

## CARACTERÍSTICAS TÉCNICAS



IP65 IK08



Potencia total luminaria : 4.7W

Lúmenes reales : 231

Lúmenes nominales : 490

Lm / W reales : 49

Material de la estructura : Aluminio

Acabado estructura : Blanco

Material del difusor : Policarbonato

Acabado difusor : Opal

Voltaje / Frecuencia : 220-240V/50-60Hz

Protocolo de regulación : ON-OFF

Vida útil : 36.000h L70B30

Garantía : 3 Años

Resistencia ambientes marinos : No

Luminaria fácilmente reciclable

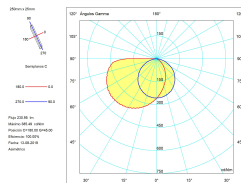
## CARACTERÍSTICAS LUMINOTÉCNICAS

CRI: 80

MacAdam steps: 3

Riesgo fotobiológico: RG1

| Portalámparas | Cantidad | Potencia fuente de luz (W) | Temperatura de color correlacionada (CCT) |
|---------------|----------|----------------------------|-------------------------------------------|
| LED           | 1        | 4.7W                       | 3000K                                     |



## LOGÍSTICA

Peso neto (Kg): 0.39

Peso embalado (Kg): 0.4

Embalaje: 245mm x 82mm x 40mm



24 Un

**Luminaire**

Code PX-0493-BLA  
Name MOCCA

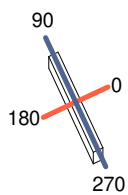
**Measurem.**

Code PX-0493-BLA  
Name MOCCA

|                            |           |                 |               |                             |                  |              |              |
|----------------------------|-----------|-----------------|---------------|-----------------------------|------------------|--------------|--------------|
| Luminaire Flux             | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy                    | 47.13 lm/W       | Efficiency   | 100.00%      |
| Sources Flux               | 230.95 lm | Maximum value   | 385.49 cd/klm | Position                    | C=180.00 G=45.00 | CG           | Asymmetrical |
| Rectangular Luminaire      |           | Length          | 250 mm        | Width                       | 25 mm            | Height       | 75 mm        |
| Rectangular Luminous Area  |           | Length          | 225 mm        | Width                       | 18 mm            | Height       | 0 mm         |
| Horizontal Luminous Area   |           | 0.004050 m2     |               | Emitting area on Plane 180° |                  | 0.000000 m2  |              |
| Emitting area on Plane 0°  |           | 0.000000 m2     |               | Emitting area on Plane 270° |                  | 0.000000 m2  |              |
| Emitting area on Plane 90° |           | 0.000000 m2     |               | Glare area at 76°           |                  | 0.000980 m2  |              |
| Coordinate system          |           | CG              |               | Symmetry Type               |                  | Asymmetrical |              |
| Date                       |           | 13-08-2019      |               | Maximum Gamma Angle         |                  | 90           |              |
| Measurement Distance       |           | 0.00            |               | Measurement Flux            |                  | 230.95 lm    |              |
| Operator                   |           | qualitat        |               | Rated Voltage               |                  |              |              |
| Temperature                |           | 25.00 °C        |               | Rated Current               |                  |              |              |
| Humidity                   |           | 60.00 %         |               | Photocell                   |                  |              |              |
| Notes                      |           |                 |               |                             |                  |              |              |

| Line   |                  | Code        |  | Luminaire Lamps     |      | Flux [lm] | Pow. [W] | Q.ty |
|--------|------------------|-------------|--|---------------------|------|-----------|----------|------|
|        |                  | PX-0493-BLA |  | Name<br>PX-0493-BLA |      | 230.95    | 4.90     | 1    |
| C.I.E. | 36 64 85 100 100 |             |  | D DIN 5040          | A20  |           |          |      |
| F UTE  | 1.00 H           |             |  | B NBN               | BZ 6 |           |          |      |

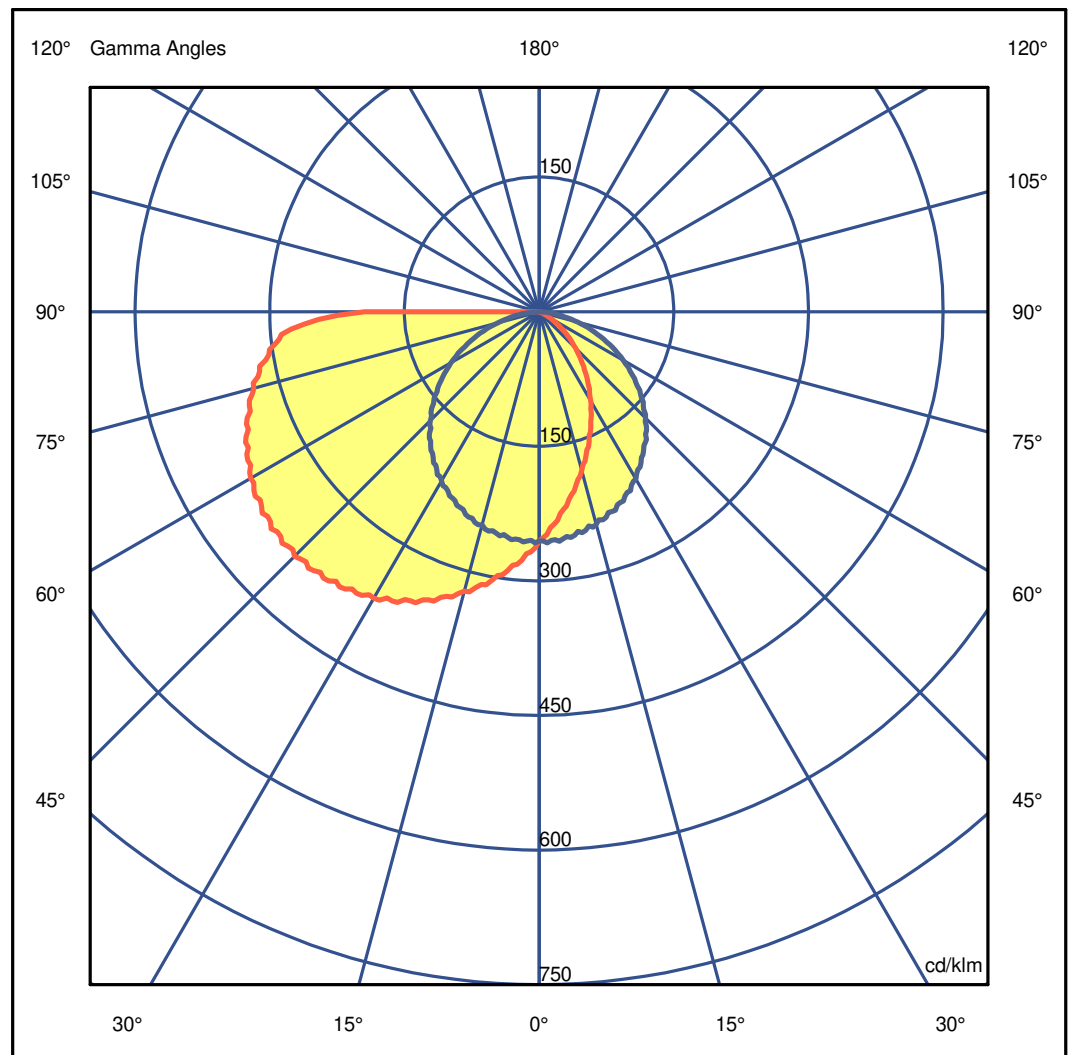
250mm x 25mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



**Luminaire**

Code PX-0493-BLA  
Name MOCCA

**Measurement**

Code PX-0493-BLA  
Name MOCCA

| Luminaire Flux                            |        | 230.95 lm |         | Luminaire Power |         | 4.90 W        |         | Efficacy |          | 47.13 lm/W       |          | Efficiency |          | 100.00%      |        |
|-------------------------------------------|--------|-----------|---------|-----------------|---------|---------------|---------|----------|----------|------------------|----------|------------|----------|--------------|--------|
| Sources Flux                              |        | 230.95 lm |         | Maximum value   |         | 385.49 cd/klm |         | Position |          | C=180.00 G=45.00 |          | CG         |          | Asymmetrical |        |
| Luminous Intensity Table cd/klm Table 1/4 |        |           |         |                 |         |               |         |          |          |                  |          |            |          |              |        |
|                                           | C 0.00 | C 15.00   | C 30.00 | C 45.00         | C 60.00 | C 75.00       | C 90.00 | C 105.00 | C 120.00 | C 135.00         | C 150.00 | C 165.00   | C 180.00 |              |        |
| G 0.0                                     | 255.39 | 255.39    | 255.39  | 255.39          | 255.39  | 255.39        | 255.39  | 255.39   | 255.39   | 255.39           | 255.39   | 255.39     | 255.39   | 255.39       | 255.39 |
| G 1.0                                     | 251.92 | 253.15    | 251.03  | 251.38          | 253.15  | 253.52        | 255.52  | 256.38   | 256.17   | 260.27           | 259.74   | 260.21     | 263.19   | 263.19       | 263.19 |
| G 2.0                                     | 248.24 | 248.68    | 248.57  | 248.05          | 251.21  | 251.01        | 257.54  | 260.51   | 256.68   | 261.54           | 264.30   | 266.62     | 267.80   | 267.80       | 267.80 |
| G 3.0                                     | 240.61 | 240.90    | 244.30  | 244.51          | 248.01  | 250.98        | 255.13  | 259.61   | 262.06   | 264.95           | 268.14   | 270.04     | 270.01   | 270.01       | 270.01 |
| G 4.0                                     | 237.23 | 238.61    | 238.31  | 240.11          | 244.92  | 248.72        | 254.52  | 258.43   | 264.28   | 269.23           | 271.75   | 274.92     | 277.36   | 277.36       | 277.36 |
| G 5.0                                     | 233.39 | 234.10    | 235.44  | 237.22          | 243.34  | 246.15        | 256.75  | 262.39   | 263.97   | 270.71           | 276.38   | 281.22     | 282.55   | 282.55       | 282.55 |
| G 6.0                                     | 226.07 | 225.75    | 231.13  | 233.22          | 239.26  | 245.34        | 254.33  | 261.42   | 268.25   | 274.68           | 280.42   | 284.12     | 283.90   | 283.90       | 283.90 |
| G 7.0                                     | 221.61 | 223.64    | 225.26  | 228.51          | 236.75  | 243.94        | 252.39  | 260.00   | 270.17   | 278.02           | 283.45   | 288.62     | 290.61   | 290.61       | 290.61 |
| G 8.0                                     | 218.64 | 219.58    | 221.05  | 225.24          | 235.08  | 240.96        | 253.96  | 264.14   | 268.31   | 278.28           | 287.46   | 294.25     | 296.21   | 296.21       | 296.21 |
| G 9.0                                     | 211.66 | 211.80    | 217.91  | 220.89          | 227.23  | 239.42        | 252.23  | 263.78   | 273.22   | 281.58           | 291.58   | 296.79     | 297.73   | 297.73       | 297.73 |
| G 10.0                                    | 206.64 | 208.36    | 211.54  | 216.74          | 224.45  | 238.56        | 248.55  | 260.76   | 275.68   | 285.68           | 294.12   | 300.46     | 303.78   | 303.78       | 303.78 |
| G 11.0                                    | 203.61 | 204.86    | 207.51  | 213.60          | 222.89  | 236.01        | 250.58  | 265.43   | 272.67   | 286.32           | 297.74   | 306.32     | 310.03   | 310.03       | 310.03 |
| G 12.0                                    | 197.10 | 197.63    | 204.35  | 208.83          | 219.64  | 233.63        | 249.04  | 264.59   | 277.47   | 288.88           | 301.92   | 308.67     | 310.80   | 310.80       | 310.80 |
| G 13.0                                    | 191.81 | 193.39    | 198.40  | 204.86          | 216.22  | 232.76        | 244.91  | 260.50   | 279.44   | 293.09           | 303.91   | 312.26     | 315.41   | 315.41       | 315.41 |
| G 14.0                                    | 188.74 | 189.83    | 194.24  | 201.34          | 212.92  | 228.58        | 247.26  | 265.43   | 277.27   | 294.05           | 306.85   | 317.21     | 321.80   | 321.80       | 321.80 |
| G 15.0                                    | 182.68 | 183.79    | 190.71  | 195.83          | 210.40  | 226.03        | 245.32  | 264.65   | 279.97   | 294.53           | 311.28   | 319.97     | 322.43   | 322.43       | 322.43 |
| G 16.0                                    | 176.77 | 178.91    | 184.80  | 192.90          | 206.46  | 224.77        | 241.01  | 261.40   | 281.74   | 299.30           | 313.07   | 323.05     | 326.59   | 326.59       | 326.59 |
| G 17.0                                    | 174.22 | 175.94    | 180.23  | 188.96          | 203.91  | 220.81        | 242.53  | 264.69   | 278.97   | 299.09           | 315.89   | 327.66     | 332.41   | 332.41       | 332.41 |
| G 18.0                                    | 168.59 | 169.63    | 176.64  | 183.37          | 199.89  | 217.95        | 240.89  | 264.87   | 280.40   | 300.17           | 319.70   | 330.23     | 333.31   | 333.31       | 333.31 |
| G 19.0                                    | 162.67 | 164.27    | 171.13  | 180.93          | 196.16  | 216.53        | 236.69  | 261.30   | 283.18   | 304.32           | 321.07   | 332.47     | 336.57   | 336.57       | 336.57 |
| G 20.0                                    | 160.17 | 161.18    | 165.96  | 176.61          | 193.65  | 212.54        | 236.82  | 263.06   | 280.13   | 304.78           | 323.34   | 337.11     | 343.33   | 343.33       | 343.33 |
| G 21.0                                    | 154.77 | 155.66    | 162.57  | 171.91          | 189.59  | 209.43        | 236.94  | 263.24   | 281.07   | 305.49           | 327.26   | 340.00     | 343.96   | 343.96       | 343.96 |
| G 22.0                                    | 148.57 | 150.12    | 157.71  | 168.29          | 186.44  | 206.83        | 232.14  | 259.52   | 284.13   | 308.71           | 328.42   | 341.56     | 346.09   | 346.09       | 346.09 |
| G 23.0                                    | 145.74 | 146.65    | 152.82  | 164.04          | 182.80  | 203.62        | 230.80  | 259.95   | 281.02   | 309.67           | 330.53   | 344.94     | 352.30   | 352.30       | 352.30 |
| G 24.0                                    | 141.38 | 141.56    | 149.56  | 159.88          | 178.82  | 200.14        | 230.56  | 261.25   | 281.18   | 308.24           | 334.26   | 347.76     | 352.74   | 352.74       | 352.74 |
| G 25.0                                    | 135.45 | 136.48    | 144.55  | 155.78          | 175.26  | 197.12        | 226.12  | 255.39   | 284.18   | 311.61           | 334.42   | 349.36     | 353.67   | 353.67       | 353.67 |
| G 26.0                                    | 131.89 | 133.13    | 139.95  | 151.18          | 171.07  | 194.09        | 223.99  | 255.33   | 281.56   | 312.41           | 336.03   | 351.38     | 360.47   | 360.47       | 360.47 |
| G 27.0                                    | 127.95 | 128.29    | 136.42  | 147.19          | 167.65  | 190.21        | 223.67  | 256.79   | 280.64   | 311.25           | 338.97   | 355.23     | 361.54   | 361.54       | 361.54 |
| G 28.0                                    | 122.24 | 123.10    | 131.72  | 143.08          | 163.44  | 186.60        | 218.78  | 253.18   | 282.83   | 313.76           | 339.67   | 356.02     | 361.23   | 361.23       | 361.23 |
| G 29.0                                    | 118.80 | 119.81    | 127.23  | 138.73          | 158.93  | 183.57        | 216.17  | 251.67   | 281.13   | 314.96           | 340.45   | 358.21     | 367.48   | 367.48       | 367.48 |
| G 30.0                                    | 115.05 | 115.51    | 123.12  | 134.50          | 155.87  | 179.27        | 215.08  | 252.21   | 278.68   | 310.05           | 343.45   | 361.57     | 368.56   | 368.56       | 368.56 |
| G 31.0                                    | 109.51 | 110.60    | 119.07  | 130.49          | 150.98  | 175.93        | 210.76  | 249.10   | 281.80   | 311.76           | 344.07   | 361.18     | 367.78   | 367.78       | 367.78 |
| G 32.0                                    | 105.79 | 107.51    | 114.50  | 126.13          | 147.28  | 173.08        | 207.43  | 246.55   | 280.39   | 315.20           | 345.00   | 363.15     | 372.70   | 372.70       | 372.70 |
| G 33.0                                    | 102.56 | 103.60    | 110.50  | 122.18          | 143.64  | 168.60        | 206.12  | 247.75   | 277.09   | 313.31           | 346.59   | 366.26     | 373.78   | 373.78       | 373.78 |
| G 34.0                                    | 97.31  | 98.39     | 106.72  | 118.48          | 138.97  | 164.90        | 202.67  | 244.69   | 279.64   | 315.51           | 346.99   | 365.69     | 372.47   | 372.47       | 372.47 |
| G 35.0                                    | 93.71  | 95.06     | 102.16  | 113.79          | 135.02  | 162.53        | 198.61  | 241.02   | 278.22   | 316.05           | 347.32   | 367.36     | 377.23   | 377.23       | 377.23 |
| G 36.0                                    | 90.32  | 91.36     | 98.38   | 109.95          | 131.35  | 157.61        | 196.60  | 242.61   | 274.56   | 316.25           | 348.83   | 370.27     | 378.81   | 378.81       | 378.81 |
| G 37.0                                    | 85.67  | 86.40     | 94.87   | 106.16          | 126.57  | 153.95        | 193.11  | 239.21   | 276.27   | 317.00           | 349.82   | 369.52     | 375.89   | 375.89       | 375.89 |
| G 38.0                                    | 81.87  | 83.14     | 90.40   | 101.94          | 122.76  | 151.32        | 189.25  | 235.17   | 275.26   | 318.39           | 349.33   | 370.69     | 380.71   | 380.71       | 380.71 |
| G 39.0                                    | 78.63  | 79.81     | 86.78   | 98.50           | 119.22  | 146.40        | 187.68  | 235.95   | 271.35   | 316.13           | 349.34   | 372.91     | 381.90   | 381.90       | 381.90 |
| G 40.0                                    | 74.36  | 75.30     | 83.40   | 94.43           | 114.77  | 142.89        | 185.66  | 233.25   | 273.09   | 315.20           | 350.32   | 372.12     | 379.19   | 379.19       | 379.19 |
| G 41.0                                    | 70.52  | 71.90     | 79.18   | 90.58           | 111.17  | 140.21        | 180.33  | 227.74   | 271.82   | 317.10           | 349.71   | 372.78     | 382.18   | 382.18       | 382.18 |
| G 42.0                                    | 67.83  | 68.89     | 75.45   | 86.75           | 107.56  | 135.43        | 178.33  | 228.38   | 266.87   | 315.08           | 347.79   | 374.82     | 384.30   | 384.30       | 384.30 |
| G 43.0                                    | 63.70  | 64.71     | 72.08   | 82.81           | 103.19  | 131.37        | 175.20  | 226.16   | 268.15   | 314.56           | 347.88   | 374.10     | 380.75   | 380.75       | 380.75 |
| G 44.0                                    | 60.06  | 61.31     | 68.32   | 79.23           | 99.55   | 128.21        | 169.91  | 221.39   | 267.25   | 314.06           | 346.82   | 374.29     | 382.95   | 382.95       | 382.95 |
| G 45.0                                    | 57.30  | 58.53     | 64.76   | 75.48           | 95.82   | 123.68        | 167.38  | 219.99   | 262.11   | 311.92           | 346.06   | 375.92     | 385.49   | 385.49       | 385.49 |
| G 46.0                                    | 53.73  | 55.00     | 61.72   | 71.90           | 91.54   | 119.46        | 164.57  | 217.82   | 262.32   | 310.29           | 346.88   | 374.66     | 381.62   | 381.62       | 381.62 |
| G 47.0                                    | 50.30  | 51.46     | 58.04   | 68.53           | 87.86   | 116.22        | 159.13  | 212.54   | 262.00   | 309.71           | 344.99   | 374.04     | 382.88   | 382.88       | 382.88 |
| G 48.0                                    | 47.51  | 48.87     | 54.75   | 64.58           | 84.16   | 111.67        | 156.14  | 210.77   | 256.79   | 308.43           | 344.27   | 374.59     | 385.35   | 385.35       | 385.35 |
| G 49.0                                    | 44.22  | 45.20     | 51.87   | 61.28           | 80.09   | 107.38        | 153.45  | 209.36   | 255.95   | 306.15           | 345.30   | 373.31     | 381.63   | 381.63       | 381.63 |
| G 50.0                                    | 40.94  | 42.32     | 48.33   | 57.94           | 76.50   | 103.92        | 148.60  | 204.29   | 256.04   | 304.67           | 342.97   | 371.25     | 381.16   | 381.16       | 381.16 |
| G 51.0                                    | 38.32  | 39.66     | 45.47   | 54.79           | 72.81   | 99.53         | 144.89  | 201.17   | 250.59   | 304.60           | 341.38   | 371.30     | 384.27   | 384.27       | 384.27 |
| G 52.0                                    | 35.30  | 36.26     | 42.61   | 51.64           | 69.07   | 95.58         | 142.04  | 200.15   | 248.50   | 301.72           | 342.16   | 371.27     | 380.08   | 380.08       | 380.08 |
| G 53.0                                    | 32.17  | 33.42     | 39.43   | 48.34           | 65.35   | 91.83         | 136.73  | 194.92   | 248.95   | 299.59           | 339.00   | 368.06     | 378.91   | 378.91       | 378.91 |
| G 54.0                                    | 29.62  | 30.86     | 36.43   | 45.10           | 61.86   | 87.59         | 132.61  | 191.39   | 243.81   | 299.64           | 336.71   | 368.12     | 381.57   | 381.57       | 381.57 |
| G 55.0                                    | 26.93  | 27.92     | 33.74   | 42.11           | 58.41   | 83.28         | 129.91  | 190.42   | 240.86   | 296.41           | 337.82   | 368.59     | 377.61   | 377.61       | 377.61 |
| G 56.0                                    | 24.06  | 25.10     | 30.84   | 39.12           | 54.70   | 79.66         | 124.85  | 185.67   | 240.75   | 294.36           | 334.85   | 364.95     | 375.01   | 375.01       | 375.01 |
| G 57.0                                    | 21.57  | 22.71     | 28.00   | 36.08           | 51.32   | 75.55         | 120.42  | 181.88   | 236.39   | 293.58           | 332.77   | 364.24     | 377.51   | 377.51       | 377.51 |
| G 58.0                                    | 19.19  | 20.07     | 25.48   | 33.39           | 48.16   | 71.42         | 117.38  | 180.62   | 232.41   | 289.74           | 332.83   | 364.68     | 374.     |              |        |

**Luminaire**Code PX-0493-BLA  
Name MOCCA**Measur.**Code PX-0493-BLA  
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| Luminaire Flux                            | 230.95 lm |          | Luminaire Power |          | 4.90 W        |          | Efficacy |          | 47.13 lm/W       |          | Efficiency      |        | 100.00% |
|-------------------------------------------|-----------|----------|-----------------|----------|---------------|----------|----------|----------|------------------|----------|-----------------|--------|---------|
| Sources Flux                              | 230.95 lm |          | Maximum value   |          | 385.49 cd/klm |          | Position |          | C=180.00 G=45.00 |          | CG Asymmetrical |        |         |
| Luminous Intensity Table cd/klm Table 2/4 |           |          |                 |          |               |          |          |          |                  |          |                 |        |         |
|                                           | C 195.00  | C 210.00 | C 225.00        | C 240.00 | C 255.00      | C 270.00 | C 285.00 | C 300.00 | C 315.00         | C 330.00 | C 345.00        |        |         |
| G 0.0                                     | 255.39    | 255.39   | 255.39          | 255.39   | 255.39        | 255.39   | 255.39   | 255.39   | 255.39           | 255.39   | 255.39          | 255.39 | 255.39  |
| G 1.0                                     | 262.59    | 260.71   | 258.65          | 257.81   | 255.28        | 257.61   | 256.63   | 249.95   | 250.08           | 251.72   | 252.29          | 252.29 | 252.29  |
| G 2.0                                     | 268.22    | 263.22   | 260.96          | 260.61   | 256.99        | 254.93   | 253.02   | 247.87   | 248.79           | 246.29   | 245.91          | 245.91 | 245.91  |
| G 3.0                                     | 270.11    | 267.64   | 264.57          | 262.42   | 259.46        | 255.65   | 250.30   | 247.74   | 244.54           | 241.90   | 240.64          | 240.64 | 240.64  |
| G 4.0                                     | 276.30    | 273.55   | 268.84          | 264.02   | 258.16        | 257.17   | 250.75   | 242.57   | 239.72           | 238.85   | 237.76          | 237.76 | 237.76  |
| G 5.0                                     | 282.40    | 275.79   | 271.01          | 267.71   | 259.76        | 254.90   | 247.64   | 240.41   | 237.33           | 233.61   | 231.67          | 231.67 | 231.67  |
| G 6.0                                     | 283.28    | 279.14   | 274.37          | 268.61   | 262.43        | 254.47   | 244.21   | 238.60   | 233.79           | 229.03   | 226.24          | 226.24 | 226.24  |
| G 7.0                                     | 288.90    | 286.21   | 277.88          | 269.86   | 260.52        | 255.79   | 244.19   | 233.95   | 228.41           | 225.32   | 222.77          | 222.77 | 222.77  |
| G 8.0                                     | 295.50    | 287.57   | 280.57          | 273.69   | 261.75        | 253.58   | 242.00   | 230.86   | 225.54           | 220.12   | 217.67          | 217.67 | 217.67  |
| G 9.0                                     | 296.72    | 291.72   | 283.53          | 274.41   | 264.31        | 251.48   | 236.03   | 229.49   | 222.03           | 215.61   | 212.14          | 212.14 | 212.14  |
| G 10.0                                    | 300.68    | 297.25   | 285.85          | 276.67   | 262.41        | 253.53   | 239.38   | 225.59   | 216.53           | 211.83   | 208.31          | 208.31 | 208.31  |
| G 11.0                                    | 306.27    | 298.78   | 289.17          | 279.79   | 264.99        | 251.61   | 237.28   | 221.29   | 213.68           | 206.20   | 203.24          | 203.24 | 203.24  |
| G 12.0                                    | 307.47    | 300.74   | 291.63          | 280.95   | 267.30        | 249.43   | 232.96   | 220.50   | 210.26           | 202.15   | 197.45          | 197.45 | 197.45  |
| G 13.0                                    | 310.96    | 307.37   | 294.25          | 282.04   | 265.33        | 250.90   | 231.53   | 216.42   | 204.94           | 198.53   | 193.57          | 193.57 | 193.57  |
| G 14.0                                    | 317.73    | 308.48   | 297.75          | 284.55   | 265.70        | 249.41   | 229.71   | 211.86   | 201.27           | 193.40   | 188.70          | 188.70 | 188.70  |
| G 15.0                                    | 318.75    | 309.74   | 298.90          | 284.99   | 267.20        | 245.92   | 225.18   | 211.13   | 198.26           | 188.77   | 183.19          | 183.19 | 183.19  |
| G 16.0                                    | 320.88    | 315.81   | 301.81          | 285.68   | 265.29        | 246.81   | 224.96   | 207.11   | 192.67           | 184.82   | 178.81          | 178.81 | 178.81  |
| G 17.0                                    | 327.33    | 317.09   | 305.25          | 287.80   | 265.49        | 245.47   | 223.41   | 201.83   | 189.24           | 179.79   | 174.85          | 174.85 | 174.85  |
| G 18.0                                    | 328.93    | 317.81   | 305.49          | 287.56   | 266.72        | 241.77   | 218.11   | 200.77   | 185.90           | 175.71   | 169.45          | 169.45 | 169.45  |
| G 19.0                                    | 329.25    | 323.61   | 307.52          | 288.29   | 265.11        | 241.82   | 216.81   | 197.03   | 180.52           | 171.77   | 165.06          | 165.06 | 165.06  |
| G 20.0                                    | 336.74    | 324.38   | 309.92          | 289.83   | 265.00        | 240.22   | 215.53   | 191.66   | 176.91           | 166.87   | 160.83          | 160.83 | 160.83  |
| G 21.0                                    | 338.36    | 323.45   | 311.37          | 289.06   | 265.01        | 236.17   | 210.02   | 189.63   | 173.09           | 162.13   | 155.35          | 155.35 | 155.35  |
| G 22.0                                    | 338.32    | 328.97   | 313.63          | 290.06   | 262.80        | 235.20   | 207.88   | 186.40   | 168.59           | 158.39   | 150.90          | 150.90 | 150.90  |
| G 23.0                                    | 345.43    | 331.69   | 316.08          | 291.67   | 262.56        | 234.60   | 206.41   | 180.42   | 163.77           | 153.56   | 147.24          | 147.24 | 147.24  |
| G 24.0                                    | 346.96    | 329.92   | 316.25          | 289.95   | 262.45        | 230.53   | 201.53   | 177.43   | 161.10           | 149.05   | 142.16          | 142.16 | 142.16  |
| G 25.0                                    | 345.83    | 334.72   | 317.48          | 290.90   | 260.93        | 228.92   | 198.36   | 174.81   | 155.94           | 145.01   | 137.47          | 137.47 | 137.47  |
| G 26.0                                    | 352.55    | 337.85   | 319.23          | 292.20   | 259.85        | 228.26   | 197.08   | 169.26   | 151.54           | 140.43   | 133.95          | 133.95 | 133.95  |
| G 27.0                                    | 354.72    | 337.10   | 320.09          | 290.30   | 259.94        | 224.25   | 192.68   | 165.84   | 148.62           | 136.07   | 128.71          | 128.71 | 128.71  |
| G 28.0                                    | 353.02    | 340.16   | 320.93          | 291.11   | 257.03        | 221.73   | 188.50   | 163.35   | 143.36           | 131.76   | 124.52          | 124.52 | 124.52  |
| G 29.0                                    | 358.15    | 344.36   | 321.58          | 291.98   | 255.88        | 221.42   | 187.31   | 158.18   | 139.16           | 127.78   | 121.23          | 121.23 | 121.23  |
| G 30.0                                    | 361.59    | 342.19   | 322.59          | 291.47   | 255.33        | 217.41   | 183.12   | 154.12   | 135.74           | 123.27   | 116.25          | 116.25 | 116.25  |
| G 31.0                                    | 359.30    | 344.29   | 323.33          | 290.61   | 252.50        | 214.36   | 178.24   | 151.69   | 131.56           | 119.03   | 112.23          | 112.23 | 112.23  |
| G 32.0                                    | 363.63    | 348.11   | 323.18          | 290.21   | 251.17        | 213.91   | 176.64   | 146.39   | 126.65           | 115.16   | 108.48          | 108.48 | 108.48  |
| G 33.0                                    | 366.86    | 345.67   | 325.07          | 289.72   | 250.28        | 209.43   | 172.80   | 142.23   | 123.46           | 110.91   | 103.95          | 103.95 | 103.95  |
| G 34.0                                    | 364.25    | 346.60   | 324.45          | 288.73   | 248.15        | 206.13   | 167.60   | 139.91   | 119.33           | 106.45   | 99.83           | 99.83  | 99.83   |
| G 35.0                                    | 366.93    | 350.53   | 323.79          | 287.90   | 246.25        | 205.48   | 165.41   | 134.87   | 114.60           | 102.93   | 96.11           | 96.11  | 96.11   |
| G 36.0                                    | 370.92    | 347.57   | 325.29          | 287.95   | 244.46        | 201.11   | 161.86   | 130.40   | 111.24           | 98.82    | 91.75           | 91.75  | 91.75   |
| G 37.0                                    | 368.48    | 348.11   | 323.34          | 285.81   | 242.79        | 197.53   | 156.50   | 128.02   | 107.20           | 94.60    | 87.80           | 87.80  | 87.80   |
| G 38.0                                    | 368.93    | 350.07   | 323.09          | 285.00   | 240.48        | 196.12   | 153.86   | 123.26   | 102.56           | 90.82    | 84.10           | 84.10  | 84.10   |
| G 39.0                                    | 373.59    | 345.30   | 324.16          | 284.23   | 238.12        | 192.18   | 150.66   | 118.58   | 98.91            | 86.71    | 80.20           | 80.20  | 80.20   |
| G 40.0                                    | 371.49    | 343.27   | 322.33          | 282.17   | 237.26        | 188.22   | 145.13   | 115.87   | 95.51            | 83.07    | 76.43           | 76.43  | 76.43   |
| G 41.0                                    | 371.53    | 346.27   | 322.01          | 280.64   | 233.58        | 186.53   | 142.19   | 111.66   | 90.92            | 79.39    | 72.77           | 72.77  | 72.77   |
| G 42.0                                    | 377.70    | 352.15   | 321.92          | 279.29   | 231.16        | 182.79   | 139.11   | 106.17   | 87.34            | 75.59    | 69.31           | 69.31  | 69.31   |
| G 43.0                                    | 374.82    | 351.14   | 320.45          | 278.07   | 229.66        | 176.99   | 133.65   | 103.89   | 83.82            | 72.14    | 65.38           | 65.38  | 65.38   |
| G 44.0                                    | 372.33    | 353.40   | 320.10          | 275.70   | 226.39        | 175.59   | 130.71   | 99.44    | 79.54            | 68.63    | 62.09           | 62.09  | 62.09   |
| G 45.0                                    | 378.15    | 352.52   | 319.88          | 274.28   | 223.38        | 171.75   | 127.50   | 94.40    | 76.00            | 64.82    | 58.77           | 58.77  | 58.77   |
| G 46.0                                    | 375.33    | 350.79   | 317.63          | 271.98   | 222.08        | 166.75   | 122.31   | 92.05    | 72.75            | 61.51    | 55.47           | 55.47  | 55.47   |
| G 47.0                                    | 371.89    | 352.92   | 316.65          | 269.17   | 218.64        | 164.98   | 118.45   | 87.47    | 68.68            | 58.08    | 52.17           | 52.17  | 52.17   |
| G 48.0                                    | 377.87    | 352.50   | 316.09          | 268.47   | 214.88        | 161.17   | 115.41   | 83.14    | 65.05            | 54.73    | 49.17           | 49.17  | 49.17   |
| G 49.0                                    | 375.71    | 348.33   | 313.70          | 266.18   | 213.98        | 156.03   | 110.27   | 79.93    | 62.13            | 51.61    | 45.75           | 45.75  | 45.75   |
| G 50.0                                    | 371.12    | 352.08   | 312.70          | 263.59   | 210.16        | 153.39   | 106.15   | 76.18    | 58.23            | 48.23    | 42.69           | 42.69  | 42.69   |
| G 51.0                                    | 375.07    | 351.48   | 311.16          | 261.99   | 205.94        | 149.91   | 103.02   | 71.79    | 55.14            | 45.33    | 39.97           | 39.97  | 39.97   |
| G 52.0                                    | 374.47    | 346.15   | 308.42          | 258.70   | 204.51        | 144.52   | 97.99    | 68.72    | 52.04            | 42.44    | 36.79           | 36.79  | 36.79   |
| G 53.0                                    | 369.41    | 347.61   | 307.50          | 256.80   | 200.89        | 141.73   | 93.85    | 65.29    | 48.62            | 39.37    | 33.91           | 33.91  | 33.91   |
| G 54.0                                    | 371.75    | 347.75   | 305.18          | 254.24   | 196.64        | 138.12   | 90.41    | 61.20    | 45.25            | 36.50    | 31.23           | 31.23  | 31.23   |
| G 55.0                                    | 371.61    | 341.94   | 302.67          | 251.81   | 194.83        | 133.11   | 85.78    | 57.96    | 42.61            | 33.71    | 28.35           | 28.35  | 28.35   |
| G 56.0                                    | 365.88    | 342.57   | 301.02          | 248.89   | 191.19        | 129.63   | 81.40    | 54.66    | 39.52            | 30.71    | 25.63           | 25.63  | 25.63   |
| G 57.0                                    | 366.42    | 343.07   | 298.95          | 245.68   | 186.78        | 126.11   | 77.94    | 50.69    | 36.31            | 28.16    | 23.11           | 23.11  | 23.11   |
| G 58.0                                    | 367.05    | 337.47   | 296.43          | 243.29   | 184.02        | 121.37   | 73.51    | 47.59    | 33.90            | 25.60    | 20.40           | 20.40  | 20.40   |
| G 59.0                                    | 361.41    | 335.94   | 293.15          | 239.16   | 181.05        | 117.14   | 68.97    | 44.44    | 31.01            | 22.78    | 17.86           | 17.86  | 17.86   |
| G 60.0                                    | 360.79    | 336.87   | 290.99          | 236.16   | 176.00        | 113.79   | 66.06    | 41.28    | 28.13            | 20.40    | 15.59           | 15.59  | 15.59   |
| G 61.0                                    | 361.17    | 330.75   | 288.89          | 234.09   | 172.94        | 108.80   | 61.98    | 37.56    | 25.65            | 17.86    | 13.12           | 13.12  | 13.12   |
| G 62.0                                    | 356.26    | 328.71   | 285.78          | 230.07   | 170.03        | 104.16   | 57.52    | 34.90    | 23.08            | 15.37    | 10.84           | 10.84  | 10.84   |
| G 63.0                                    | 354.59    | 330.28   | 282.44          | 227.14   | 164.77        | 101.13   | 54.42    | 32.06    | 20.34            | 13.05    | 8.79            | 8.79   | 8.79    |
| G 64.0                                    | 355.32    | 323.64   | 280.60          | 224.83   | 161.23        | 95.92    | 50.71    | 29.25    | 17.90            | 10.79    | 7.00            | 7.00   | 7.00    |
| G 65.0                                    | 350.55    | 320.95   | 277.09          | 220.22   | 157.99        | 91.10    | 46.45    | 26.71    | 15.59            | 8.65     | 5.22            | 5.22   | 5.22    |
| G 66.0                                    | 346.92    | 321.54   | 273.78          | 216.65   | 152.27        | 87.45    | 43.29    | 24.08    | 13.03            | 6.68     | 3.89            | 3.89   | 3.89    |
| G 67.0                                    | 347.88    | 315.85   | 265.41          | 214.34   | 148.97        | 82.91    | 39.83    | 21.46    | 10.92            | 5.14     | 2.71            | 2.71   | 2.71    |
| G 68.0                                    | 337.81    | 310.92   | 263.34          | 209.69   | 145.70        | 78.33    | 35.93    | 19.22    | 8.75             | 3.61     | 2.00            | 2.00   | 2.00    |
| G 69.0                                    | 333.24    | 308.81   | 260.63          | 206.87   | 141.12        | 74.40    | 32.89    | 16.72    | 6.85             | 2.45     | 1.64            | 1.64   | 1.64    |
| G 70.0                                    | 337.24    | 308.43   | 258.80          | 203.82   | 136.77        | 70.15    | 29.77    | 14.33    | 4.96             | 1.69     | 1.47            | 1.47   | 1.47    |
| G 71.0                                    | 333.19    | 303.33   | 253.76          | 198.70   | 133.58        | 65.40    | 26.26    | 12.21    | 3.45             | 1.33     | 1.38            | 1.38   | 1.38    |
| G 72.0                                    | 328.14    | 303.05   | 250.94          | 195.11   | 128.56        | 61.49    | 23.48    | 10.02    | 2.27             | 1.22     | 1.35            | 1.35   | 1.35    |

**Luminaire**

Code PX-0493-BLA  
Name MOCCA

**Measurem.**

Code PX-0493-BLA  
Name MOCCA

|                                 |           |         |                 |         |               |         |          |          |                  |          |            |          |              |  |
|---------------------------------|-----------|---------|-----------------|---------|---------------|---------|----------|----------|------------------|----------|------------|----------|--------------|--|
| Luminaire Flux                  | 230.95 lm |         | Luminaire Power |         | 4.90 W        |         | Efficacy |          | 47.13 lm/W       |          | Efficiency |          | 100.00%      |  |
| Sources Flux                    | 230.95 lm |         | Maximum value   |         | 385.49 cd/klm |         | Position |          | C=180.00 G=45.00 |          | CG         |          | Asymmetrical |  |
| Luminous Intensity Table cd/klm |           |         |                 |         |               |         |          |          |                  |          |            |          |              |  |
| Table 3/4                       |           |         |                 |         |               |         |          |          |                  |          |            |          |              |  |
|                                 | C 0.00    | C 15.00 | C 30.00         | C 45.00 | C 60.00       | C 75.00 | C 90.00  | C 105.00 | C 120.00         | C 135.00 | C 150.00   | C 165.00 | C 180.00     |  |
| G 73.0                          | 1.46      | 1.34    | 1.18            | 1.80    | 8.30          | 20.14   | 52.63    | 119.75   | 185.19           | 245.33   | 293.20     | 326.47   | 337.66       |  |
| G 74.0                          | 1.38      | 1.25    | 1.12            | 1.30    | 6.47          | 17.48   | 48.61    | 115.63   | 181.77           | 241.54   | 290.92     | 321.63   | 332.51       |  |
| G 75.0                          | 1.27      | 1.15    | 1.08            | 1.09    | 4.97          | 15.12   | 44.34    | 110.23   | 179.38           | 239.03   | 286.58     | 317.62   | 329.24       |  |
| G 76.0                          | 1.19      | 1.07    | 1.04            | 0.97    | 3.47          | 12.79   | 40.37    | 106.43   | 172.88           | 234.49   | 282.49     | 315.04   | 328.48       |  |
| G 77.0                          | 1.09      | 1.00    | 0.99            | 0.92    | 2.33          | 10.59   | 36.62    | 102.78   | 169.47           | 230.16   | 280.50     | 310.68   | 321.32       |  |
| G 78.0                          | 0.99      | 0.95    | 0.94            | 0.90    | 1.47          | 8.64    | 32.49    | 97.76    | 166.65           | 227.58   | 275.22     | 305.49   | 318.35       |  |
| G 79.0                          | 0.91      | 0.89    | 0.90            | 0.88    | 1.09          | 6.85    | 28.82    | 93.61    | 160.28           | 223.63   | 271.04     | 303.85   | 317.17       |  |
| G 80.0                          | 0.82      | 0.84    | 0.87            | 0.87    | 0.93          | 5.16    | 25.32    | 89.75    | 156.66           | 218.70   | 268.41     | 300.41   | 309.43       |  |
| G 81.0                          | 0.71      | 0.77    | 0.85            | 0.86    | 0.88          | 3.73    | 21.57    | 85.01    | 153.51           | 214.28   | 262.70     | 294.57   | 304.73       |  |
| G 82.0                          | 0.70      | 0.73    | 0.81            | 0.85    | 0.86          | 2.51    | 18.31    | 80.46    | 147.88           | 210.68   | 258.62     | 291.26   | 303.32       |  |
| G 83.0                          | 0.70      | 0.72    | 0.78            | 0.84    | 0.85          | 1.58    | 15.15    | 76.90    | 143.85           | 205.20   | 255.29     | 287.83   | 296.64       |  |
| G 84.0                          | 0.69      | 0.72    | 0.76            | 0.83    | 0.83          | 1.03    | 11.97    | 72.40    | 141.25           | 201.76   | 250.01     | 281.79   | 291.42       |  |
| G 85.0                          | 0.69      | 0.71    | 0.77            | 0.81    | 0.81          | 0.87    | 9.20     | 67.76    | 135.71           | 197.79   | 245.30     | 276.66   | 288.35       |  |
| G 86.0                          | 0.68      | 0.69    | 0.77            | 0.80    | 0.81          | 0.81    | 6.69     | 64.03    | 130.74           | 191.79   | 241.68     | 270.86   | 276.89       |  |
| G 87.0                          | 0.67      | 0.68    | 0.76            | 0.79    | 0.80          | 0.79    | 4.33     | 59.87    | 127.62           | 187.80   | 235.62     | 257.97   | 261.40       |  |
| G 88.0                          | 0.69      | 0.74    | 0.78            | 0.77    | 0.78          | 0.77    | 2.48     | 55.53    | 122.24           | 183.11   | 228.75     | 243.16   | 245.93       |  |
| G 89.0                          | 0.83      | 0.79    | 0.82            | 0.79    | 0.78          | 0.76    | 1.64     | 52.09    | 117.01           | 177.24   | 221.94     | 229.03   | 224.63       |  |
| G 90.0                          | 0.97      | 1.15    | 1.09            | 0.99    | 0.80          | 0.76    | 0.79     | 48.07    | 114.11           | 171.04   | 208.73     | 205.58   | 194.71       |  |

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Name MOCCA

|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

**Luminous Intensity Table cd/klm Table 4/4**

|        | C 195.00 | C 210.00 | C 225.00 | C 240.00 | C 255.00 | C 270.00 | C 285.00 | C 300.00 | C 315.00 | C 330.00 | C 345.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 73.0 | 329.51   | 298.45   | 248.05   | 191.78   | 124.20   | 57.41    | 20.84    | 7.95     | 1.46     | 1.16     | 1.32     |
| G 74.0 | 323.62   | 291.97   | 243.63   | 187.06   | 120.80   | 52.72    | 17.84    | 6.13     | 1.09     | 1.13     | 1.26     |
| G 75.0 | 318.00   | 292.08   | 240.06   | 182.76   | 115.78   | 48.89    | 15.45    | 4.50     | 0.98     | 1.12     | 1.18     |
| G 76.0 | 318.64   | 287.77   | 237.05   | 179.32   | 111.18   | 44.84    | 13.16    | 2.88     | 0.94     | 1.08     | 1.10     |
| G 77.0 | 313.17   | 280.50   | 232.57   | 173.97   | 107.48   | 40.79    | 10.77    | 1.76     | 0.93     | 1.04     | 1.00     |
| G 78.0 | 307.13   | 280.33   | 228.82   | 169.75   | 102.57   | 36.93    | 8.71     | 1.06     | 0.92     | 0.99     | 0.94     |
| G 79.0 | 306.54   | 275.70   | 225.64   | 166.22   | 98.18    | 33.16    | 6.84     | 0.82     | 0.89     | 0.93     | 0.87     |
| G 80.0 | 301.16   | 268.71   | 220.57   | 161.10   | 94.19    | 29.22    | 5.02     | 0.79     | 0.88     | 0.89     | 0.82     |
| G 81.0 | 294.83   | 267.96   | 216.78   | 156.76   | 89.75    | 25.56    | 3.44     | 0.77     | 0.87     | 0.86     | 0.74     |
| G 82.0 | 293.33   | 263.85   | 213.05   | 153.16   | 85.04    | 22.12    | 2.08     | 0.75     | 0.85     | 0.80     | 0.71     |
| G 83.0 | 288.99   | 257.20   | 207.69   | 147.76   | 81.05    | 18.57    | 1.40     | 0.74     | 0.85     | 0.77     | 0.71     |
| G 84.0 | 281.95   | 254.09   | 204.15   | 143.54   | 76.95    | 15.32    | 0.71     | 0.73     | 0.84     | 0.77     | 0.71     |
| G 85.0 | 279.42   | 251.58   | 199.96   | 139.53   | 72.00    | 12.33    | 0.67     | 0.73     | 0.80     | 0.75     | 0.69     |
| G 86.0 | 271.62   | 243.56   | 195.28   | 134.81   | 68.11    | 9.41     | 0.64     | 0.73     | 0.79     | 0.74     | 0.68     |
| G 87.0 | 258.35   | 240.09   | 191.11   | 130.31   | 64.19    | 6.72     | 0.60     | 0.74     | 0.78     | 0.73     | 0.69     |
| G 88.0 | 246.82   | 235.56   | 186.36   | 126.31   | 59.54    | 4.52     | 0.59     | 0.72     | 0.79     | 0.75     | 0.78     |
| G 89.0 | 230.92   | 222.90   | 177.93   | 122.10   | 55.72    | 2.32     | 0.59     | 0.75     | 0.92     | 0.89     | 0.87     |
| G 90.0 | 210.66   | 210.55   | 167.19   | 117.03   | 52.25    | 0.92     | 0.64     | 0.78     | 1.17     | 1.19     | 1.18     |



# **Luminaire**

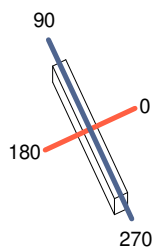
Code PX-0493-BLA  
Name MOCCA

# **Measurem.**

Code PX-0493-BLA  
Name MOCCA

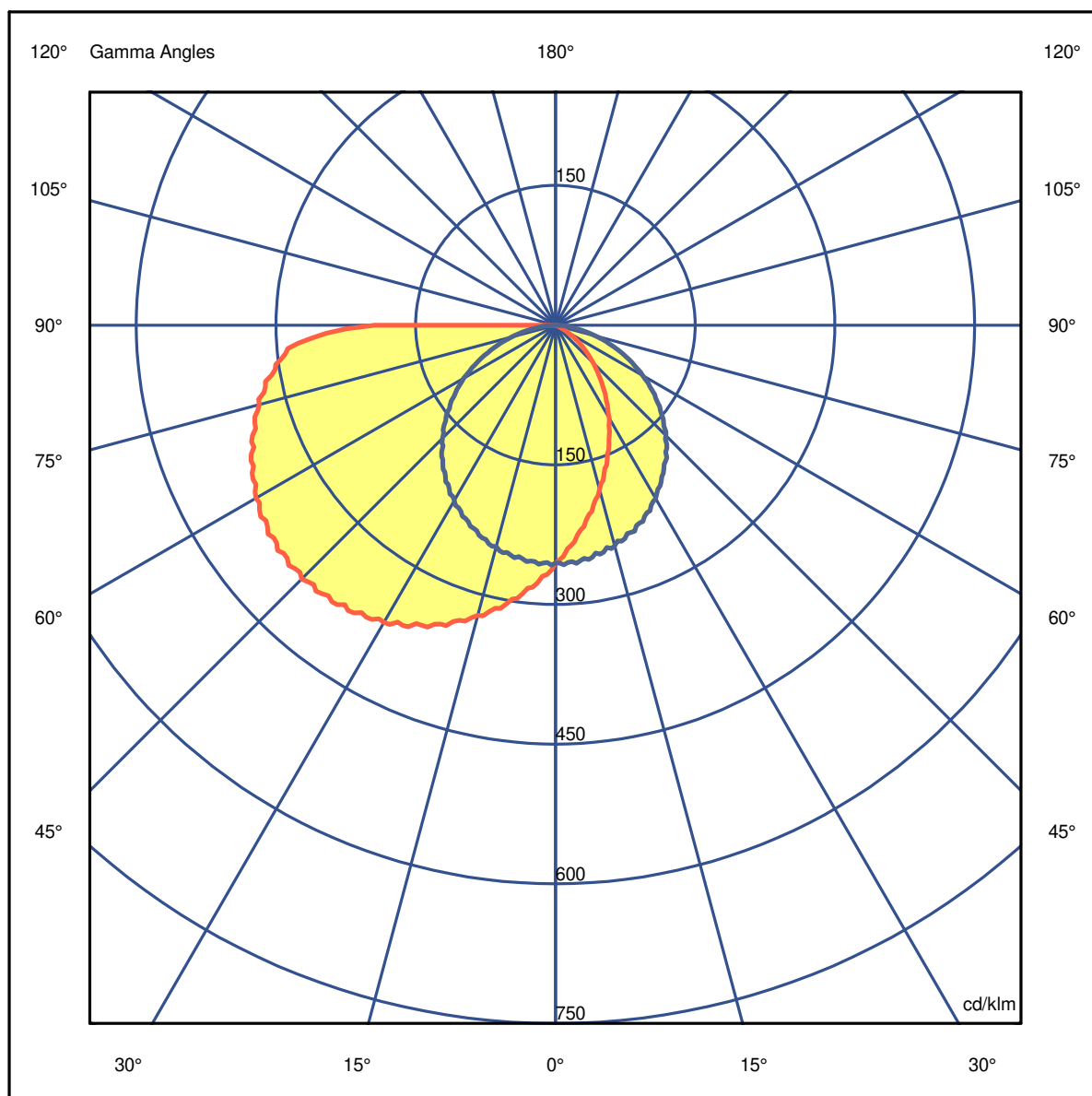
|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

250mm x 25mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0





# Luminaire

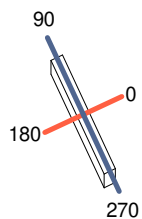
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## Measurement

Code PX-0493-BLA  
Name MOCCA

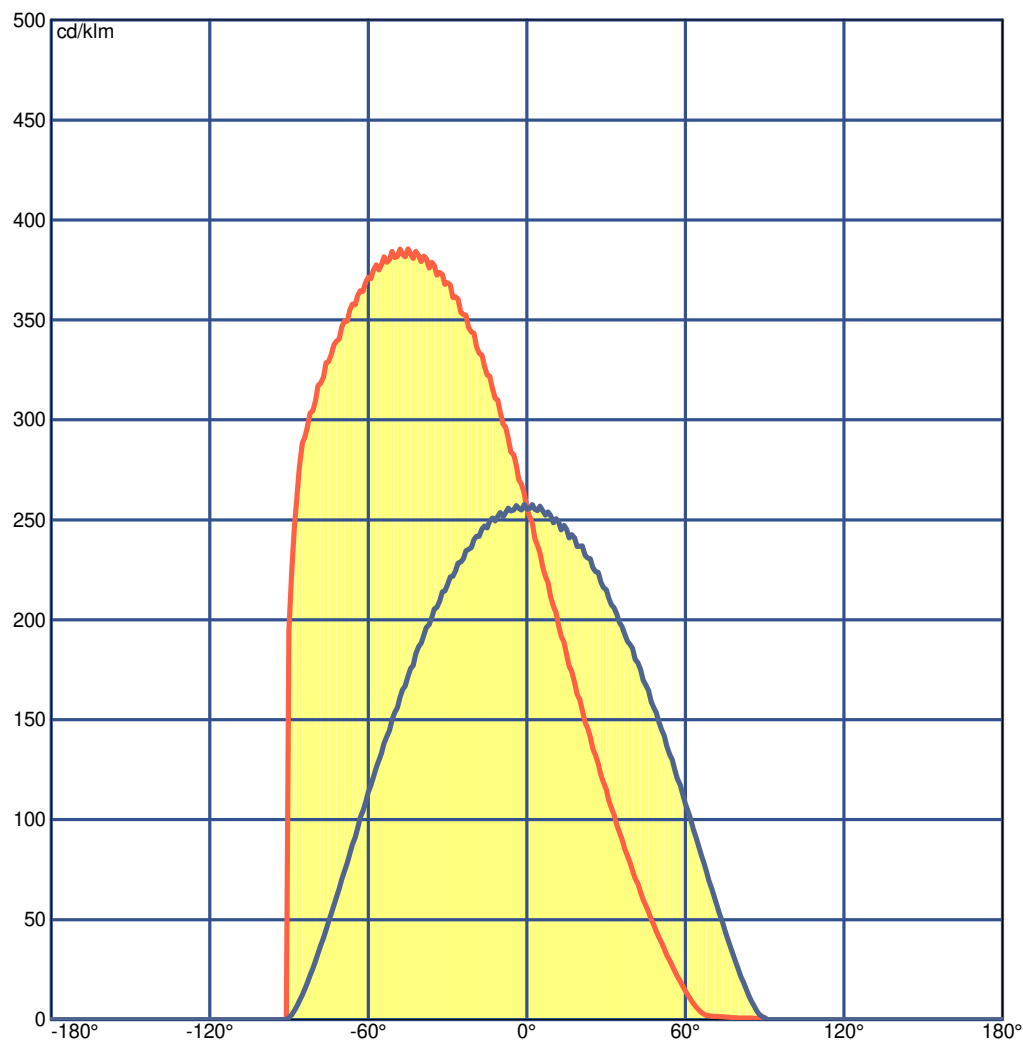
|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

250mm x 25mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0



**Luminaire**Code PX-0493-BLA  
Name MOCCA**Measurem.**Code PX-0493-BLA  
Name MOCCA

|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

**UGR**  
S = 0.250

| Reflectancies  |                  |      |      |      |      |                |      |      |      |      |
|----------------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Walls          | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| WorkingPlane   | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| RoomDimensions | Viewed Crosswise |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H      | 27.6             | 29.1 | 27.9 | 29.3 | 29.6 | 21.8           | 23.3 | 22.1 | 23.5 | 23.8 |
| x=2H y=3H      | 30.8             | 32.2 | 31.2 | 32.5 | 32.8 | 23.4           | 24.9 | 23.8 | 25.1 | 25.4 |
| x=2H y=4H      | 32.6             | 33.9 | 33.0 | 34.2 | 34.5 | 24.1           | 25.5 | 24.5 | 25.7 | 26.1 |
| x=2H y=6H      | 34.5             | 35.8 | 34.9 | 36.1 | 36.4 | 24.6           | 25.9 | 25.0 | 26.2 | 26.5 |
| x=2H y=8H      | 35.6             | 36.8 | 36.0 | 37.1 | 37.5 | 24.8           | 26.0 | 25.2 | 26.3 | 26.7 |
| x=2H y=12H     | 36.8             | 37.9 | 37.1 | 38.3 | 38.6 | 24.9           | 26.0 | 25.2 | 26.4 | 26.7 |
| x=4H y=2H      | 28.4             | 29.7 | 28.7 | 30.0 | 30.3 | 23.8           | 25.1 | 24.1 | 25.4 | 25.7 |
| x=4H y=3H      | 31.9             | 33.0 | 32.3 | 33.4 | 33.7 | 25.8           | 27.0 | 26.2 | 27.3 | 27.7 |
| x=4H y=4H      | 33.9             | 34.9 | 34.3 | 35.3 | 35.7 | 26.8           | 27.8 | 27.2 | 28.2 | 28.6 |
| x=4H y=6H      | 36.0             | 37.0 | 36.4 | 37.3 | 37.8 | 27.5           | 28.5 | 28.0 | 28.9 | 29.3 |
| x=4H y=8H      | 37.2             | 38.1 | 37.6 | 38.5 | 38.9 | 27.8           | 28.7 | 28.2 | 29.1 | 29.5 |
| x=4H y=12H     | 38.5             | 39.3 | 39.0 | 39.8 | 40.2 | 28.0           | 28.8 | 28.4 | 29.2 | 29.7 |
| x=8H y=4H      | 34.4             | 35.3 | 34.8 | 35.7 | 36.1 | 28.6           | 29.5 | 29.0 | 29.9 | 30.3 |
| x=8H y=6H      | 36.8             | 37.6 | 37.3 | 38.0 | 38.5 | 29.8           | 30.6 | 30.3 | 31.0 | 31.5 |
| x=8H y=8H      | 38.2             | 38.9 | 38.7 | 39.4 | 39.9 | 30.3           | 31.0 | 30.8 | 31.5 | 32.0 |
| x=8H y=12H     | 39.8             | 40.4 | 40.3 | 40.9 | 41.4 | 30.8           | 31.4 | 31.3 | 31.8 | 32.3 |
| x=12H y=4H     | 34.4             | 35.2 | 34.9 | 35.7 | 36.1 | 29.1           | 30.0 | 29.6 | 30.4 | 30.8 |
| x=12H y=6H     | 37.0             | 37.7 | 37.5 | 38.1 | 38.6 | 30.7           | 31.4 | 31.2 | 31.8 | 32.3 |
| x=12H y=8H     | 38.5             | 39.1 | 39.0 | 39.6 | 40.1 | 31.4           | 32.0 | 31.9 | 32.5 | 33.0 |

**Luminaire**

Code PX-0493-BLA

Name MOCCA

**Measurerm.**

Code PX-0493-BLA

Name MOCCA

|                |           |                 |               |          |                  |                 |         |
|----------------|-----------|-----------------|---------------|----------|------------------|-----------------|---------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency      | 100.00% |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG Asymmetrical |         |

Total Flux=230.95 Luminaire Flux=230.95

|     |      |      |      |      |      |      |      |      |      |      |       |       |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| RI  | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
| DRR | 0.23 | 0.30 | 0.37 | 0.43 | 0.48 | 0.57 | 0.63 | 0.67 | 0.73 | 0.77 | 0.86  | 0.92  |
| RC  | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7    | 7     | 7     |

Zonal Flux per 1000 Lumen

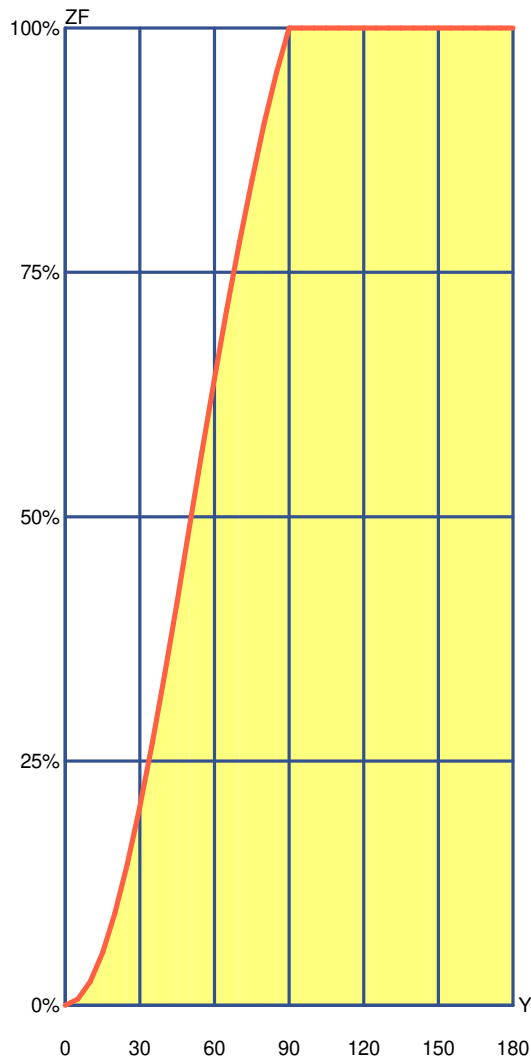
|       |    |    |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|-------|----|----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| Y°    | 10 | 20 | 30  | 40  | 50  | 60  | 70  | 80  | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
| ZF(Y) | 24 | 94 | 203 | 340 | 490 | 641 | 781 | 902 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

CIE Flux Codes

36 64 85 100 100

C.I.E. 7  
D DIN 5040 A20  
F UTE 1.00 H  
B NBN BZ 6  
RN 0.00000 %  
BLF 1.0

LOR 100.00000 %  
ULOR 0.00000 %  
DLOR 100.00000 %  
UFF 0.00000 %  
DFF 100.00000 %  
FFR 0.00000 %



| Zonal Flux |       |         |          |          |
|------------|-------|---------|----------|----------|
| Gamma °    | Flux  | Sum lm  | Flux [%] | Sum [%]  |
| 0°         | 0.00  | 0.00    | 0.00%    | 0.00 %   |
| 5°         | 6.11  | 6.11    | 0.61 %   | 0.61 %   |
| 10°        | 18.14 | 24.25   | 1.81 %   | 2.42 %   |
| 15°        | 29.72 | 53.97   | 2.97 %   | 5.40 %   |
| 20°        | 40.49 | 94.46   | 4.05 %   | 9.45 %   |
| 25°        | 50.20 | 144.66  | 5.02 %   | 14.47 %  |
| 30°        | 58.60 | 203.26  | 5.86 %   | 20.33 %  |
| 35°        | 65.48 | 268.74  | 6.55 %   | 26.87 %  |
| 40°        | 70.78 | 339.52  | 7.08 %   | 33.95 %  |
| 45°        | 74.39 | 413.91  | 7.44 %   | 41.39 %  |
| 50°        | 76.25 | 490.16  | 7.63 %   | 49.02 %  |
| 55°        | 76.40 | 566.57  | 7.64 %   | 56.66 %  |
| 60°        | 74.87 | 641.44  | 7.49 %   | 64.14 %  |
| 65°        | 71.90 | 713.34  | 7.19 %   | 71.33 %  |
| 70°        | 67.68 | 781.02  | 6.77 %   | 78.10 %  |
| 75°        | 63.17 | 844.19  | 6.32 %   | 84.42 %  |
| 80°        | 58.14 | 902.33  | 5.81 %   | 90.23 %  |
| 85°        | 52.55 | 954.88  | 5.26 %   | 95.49 %  |
| 90°        | 45.12 | 1000.00 | 4.51 %   | 100.00 % |
| 95°        | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 100°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 105°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 110°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 115°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 120°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 125°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 130°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 135°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 140°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 145°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 150°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 155°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 160°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 165°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 170°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 175°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |
| 180°       | 0.00  | 1000.00 | 0.00 %   | 100.00 % |

**Luminaire**Code PX-0493-BLA  
Name MOCCA**Measurem.**Code PX-0493-BLA  
Name MOCCA

|                |           |                 |               |          |                  |                 |         |
|----------------|-----------|-----------------|---------------|----------|------------------|-----------------|---------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency      | 100.00% |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG Asymmetrical |         |

## Utilizations CIE

| Mounting | Direct  |      |      | Normalization |      |      | Normalised |      |      | Suspension Ratid/3 |      |      |      |      |      |      |      | Standard CIE Settings |      |      |      |      |      |  |  |
|----------|---------|------|------|---------------|------|------|------------|------|------|--------------------|------|------|------|------|------|------|------|-----------------------|------|------|------|------|------|--|--|
|          | Ceiling |      |      |               |      |      |            |      |      |                    |      |      |      |      |      |      |      |                       |      |      |      |      |      |  |  |
| K        | 8873    | 8773 | 8871 | 8771          | 7773 | 7771 | 7753       | 7553 | 7751 | 7551               | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511                  | 5111 | 3331 | 3311 | 1111 | 0000 |  |  |
| 0.60     | 227     | 204  | 185  | 167           | 194  | 160  | 114        | 97   | 94   | 80                 | 49   | 37   | 17   | 11   | 75   | 40   | 35   | 14                    | 11   | 33   | 12   | 10   | 0    |  |  |
| 0.80     | 265     | 243  | 202  | 186           | 231  | 178  | 144        | 126  | 109  | 96                 | 60   | 48   | 23   | 17   | 90   | 50   | 45   | 19                    | 16   | 43   | 17   | 15   | 0    |  |  |
| 1.00     | 290     | 270  | 208  | 194           | 257  | 186  | 168        | 150  | 118  | 106                | 68   | 56   | 28   | 22   | 99   | 58   | 53   | 24                    | 21   | 50   | 21   | 19   | 0    |  |  |
| 1.25     | 312     | 294  | 208  | 198           | 280  | 190  | 191        | 174  | 125  | 114                | 75   | 63   | 34   | 28   | 107  | 65   | 60   | 30                    | 26   | 57   | 27   | 24   | 0    |  |  |
| 1.50     | 327     | 311  | 206  | 197           | 296  | 190  | 210        | 193  | 129  | 119                | 80   | 69   | 40   | 33   | 112  | 70   | 66   | 35                    | 31   | 63   | 32   | 29   | 0    |  |  |
| 2.00     | 346     | 333  | 197  | 191           | 317  | 185  | 239        | 223  | 131  | 124                | 86   | 78   | 49   | 42   | 117  | 78   | 74   | 44                    | 40   | 71   | 41   | 37   | 0    |  |  |
| 2.50     | 358     | 346  | 189  | 184           | 331  | 179  | 259        | 245  | 131  | 125                | 91   | 83   | 56   | 49   | 119  | 83   | 80   | 51                    | 47   | 76   | 47   | 44   | 0    |  |  |
| 3.00     | 365     | 356  | 182  | 178           | 340  | 173  | 274        | 261  | 131  | 126                | 94   | 87   | 61   | 55   | 120  | 87   | 84   | 57                    | 53   | 80   | 53   | 50   | 0    |  |  |
| 4.00     | 375     | 368  | 172  | 169           | 352  | 165  | 296        | 285  | 129  | 126                | 98   | 92   | 69   | 64   | 120  | 91   | 89   | 65                    | 62   | 86   | 61   | 58   | 0    |  |  |
| 5.00     | 381     | 375  | 164  | 162           | 359  | 158  | 310        | 301  | 128  | 125                | 100  | 96   | 75   | 70   | 120  | 95   | 92   | 71                    | 68   | 90   | 67   | 64   | 0    |  |  |
| 10.00    | 391     | 388  | 144  | 143           | 372  | 140  | 342        | 337  | 122  | 121                | 105  | 102  | 88   | 85   | 117  | 101  | 100  | 85                    | 83   | 97   | 82   | 79   | 0    |  |  |
| 20.00    | 395     | 393  | 130  | 129           | 378  | 127  | 360        | 357  | 117  | 116                | 107  | 106  | 97   | 95   | 113  | 104  | 103  | 94                    | 93   | 100  | 91   | 89   | 0    |  |  |

## Wall

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K     | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
| 0.60  | 501  | 489  | 448  | 439  | 482  | 434  | 380  | 372  | 350  | 344  | 294  | 289  | 253  | 251  | 341  | 290  | 288  | 252  | 251  | 287  | 251  | 250  | 230  |
| 0.80  | 576  | 563  | 504  | 495  | 553  | 488  | 450  | 441  | 407  | 401  | 350  | 344  | 306  | 303  | 396  | 344  | 342  | 304  | 303  | 340  | 303  | 302  | 279  |
| 1.00  | 631  | 618  | 542  | 534  | 606  | 526  | 505  | 495  | 450  | 443  | 393  | 387  | 349  | 345  | 437  | 386  | 384  | 346  | 344  | 381  | 344  | 343  | 317  |
| 1.25  | 684  | 672  | 577  | 570  | 657  | 562  | 561  | 549  | 491  | 485  | 436  | 430  | 392  | 388  | 477  | 428  | 426  | 389  | 387  | 423  | 386  | 384  | 355  |
| 1.50  | 726  | 714  | 605  | 598  | 697  | 589  | 605  | 594  | 524  | 518  | 471  | 465  | 428  | 424  | 509  | 463  | 460  | 424  | 422  | 456  | 421  | 419  | 387  |
| 2.00  | 782  | 772  | 638  | 633  | 752  | 624  | 669  | 658  | 567  | 562  | 519  | 514  | 479  | 475  | 552  | 510  | 508  | 475  | 472  | 503  | 471  | 467  | 432  |
| 2.50  | 823  | 814  | 662  | 659  | 791  | 649  | 717  | 707  | 599  | 595  | 556  | 551  | 519  | 514  | 584  | 546  | 544  | 513  | 511  | 538  | 508  | 504  | 466  |
| 3.00  | 853  | 845  | 681  | 678  | 822  | 669  | 754  | 744  | 624  | 620  | 584  | 579  | 550  | 545  | 609  | 574  | 572  | 543  | 541  | 565  | 538  | 533  | 493  |
| 4.00  | 905  | 898  | 716  | 714  | 873  | 705  | 815  | 806  | 667  | 664  | 633  | 629  | 602  | 598  | 652  | 622  | 620  | 595  | 593  | 613  | 588  | 583  | 539  |
| 5.00  | 945  | 939  | 745  | 743  | 912  | 735  | 861  | 854  | 702  | 699  | 672  | 668  | 644  | 640  | 687  | 660  | 659  | 636  | 634  | 650  | 629  | 622  | 577  |
| 10.00 | 1000 | 1000 | 837  | 836  | 1000 | 828  | 996  | 991  | 807  | 806  | 788  | 785  | 769  | 766  | 793  | 776  | 775  | 759  | 757  | 765  | 750  | 741  | 692  |
| 20.00 | 1000 | 1000 | 924  | 923  | 1000 | 916  | 1000 | 1000 | 904  | 903  | 891  | 890  | 879  | 878  | 890  | 879  | 879  | 869  | 868  | 868  | 858  | 848  | 796  |

## Working Pl.

|       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| K     | 8873 | 8773 | 8871 | 8771 | 7773 | 7771 | 7753 | 7553 | 7751 | 7551 | 7731 | 7331 | 7711 | 7111 | 5551 | 5531 | 5331 | 5511 | 5111 | 3331 | 3311 | 1111 | 0000 |
| 0.60  | 540  | 526  | 504  | 493  | 518  | 487  | 394  | 386  | 379  | 373  | 306  | 302  | 254  | 252  | 369  | 302  | 300  | 252  | 251  | 299  | 251  | 251  | 232  |
| 0.80  | 641  | 626  | 590  | 580  | 613  | 571  | 486  | 475  | 463  | 456  | 387  | 380  | 329  | 326  | 449  | 380  | 377  | 327  | 325  | 375  | 325  | 324  | 303  |
| 1.00  | 721  | 706  | 657  | 647  | 689  | 636  | 563  | 551  | 532  | 524  | 455  | 448  | 395  | 391  | 515  | 446  | 444  | 392  | 390  | 440  | 389  | 387  | 367  |
| 1.25  | 799  | 783  | 720  | 710  | 762  | 698  | 640  | 627  | 600  | 592  | 524  | 516  | 463  | 459  | 580  | 513  | 510  | 459  | 456  | 505  | 455  | 453  | 432  |
| 1.50  | 858  | 843  | 766  | 758  | 819  | 744  | 702  | 688  | 652  | 644  | 579  | 570  | 519  | 513  | 630  | 566  | 563  | 513  | 510  | 556  | 508  | 505  | 484  |
| 2.00  | 945  | 931  | 833  | 826  | 902  | 811  | 797  | 783  | 731  | 723  | 664  | 656  | 607  | 601  | 707  | 649  | 646  | 600  | 596  | 637  | 593  | 588  | 568  |
| 2.50  | 1000 | 991  | 876  | 870  | 959  | 855  | 864  | 850  | 784  | 777  | 723  | 715  | 670  | 664  | 759  | 707  | 704  | 661  | 657  | 693  | 653  | 646  | 627  |
| 3.00  | 1000 | 1000 | 906  | 901  | 1000 | 886  | 913  | 900  | 822  | 816  | 766  | 759  | 717  | 711  | 797  | 749  | 746  | 707  | 703  | 735  | 697  | 689  | 671  |
| 4.00  | 1000 | 1000 | 944  | 941  | 1000 | 925  | 979  | 968  | 872  | 867  | 824  | 818  | 781  | 775  | 846  | 806  | 803  | 768  | 765  | 789  | 757  | 747  | 730  |
| 5.00  | 1000 | 1000 | 968  | 965  | 1000 | 950  | 1000 | 1000 | 904  | 900  | 862  | 857  | 824  | 818  | 878  | 843  | 840  | 809  | 806  | 825  | 797  | 785  | 769  |
| 10.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 977  | 975  | 950  | 947  | 925  | 921  | 951  | 929  | 928  | 907  | 905  | 909  | 891  | 876  | 862  |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 989  | 987  | 996  | 982  | 982  | 969  | 968  | 962  | 951  | 933  | 920  |

LM53 SHR C0-C180: 0.758 SHR C90-C270: 1.238 SHR Square: 0.985

**Luminaire**

Code PX-0493-BLA  
Name MOCCA

**Measurem.**

Code PX-0493-BLA  
Name MOCCA

|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

Left beam angle not found, gamma = -45

Left beam angle not found, gamma = -45

Left beam angle not found, gamma = -45

**Luminaire**

Code PX-0493-BLA  
Name MOCCA

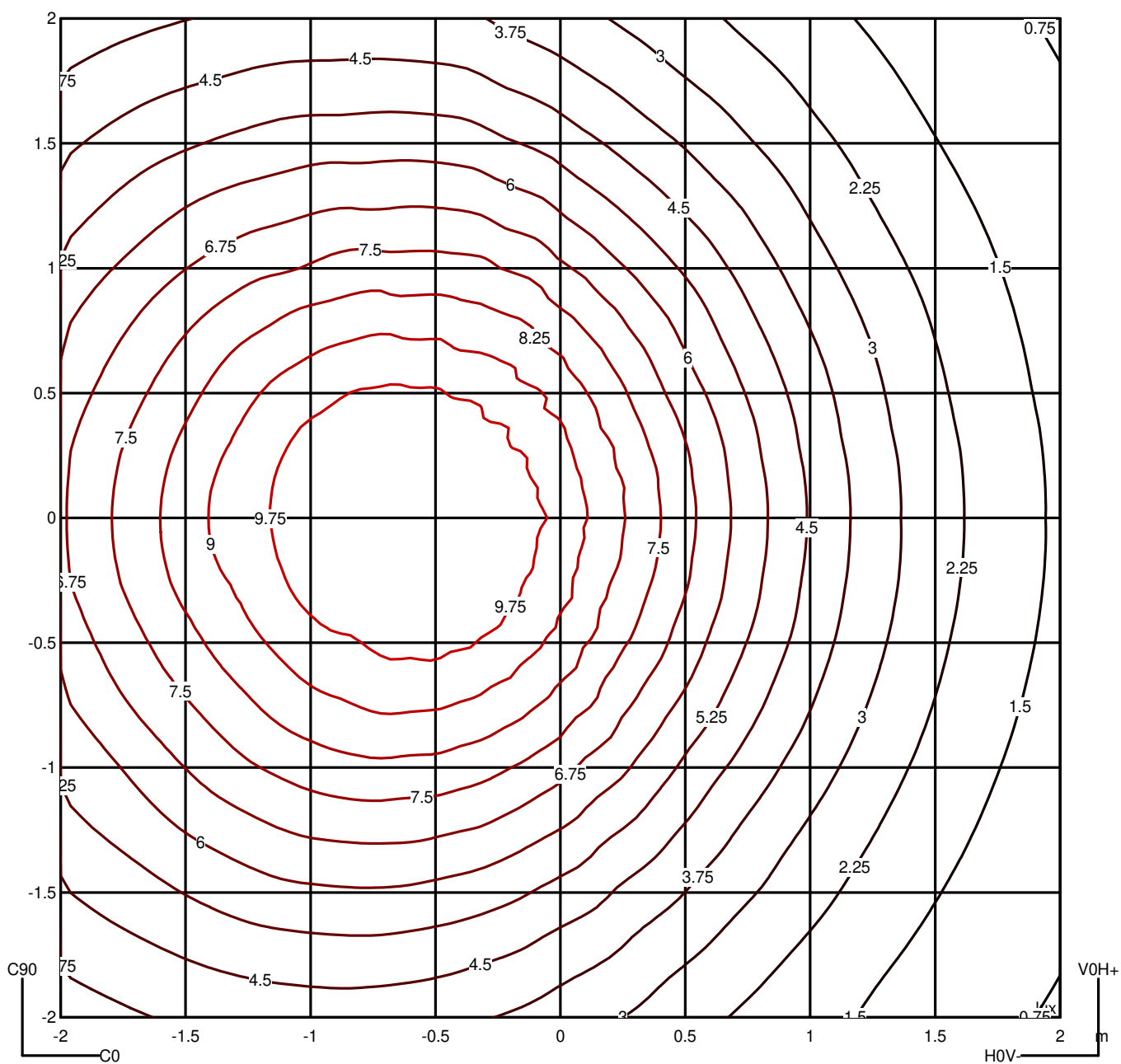
**Measurement**

Code PX-0493-BLA  
Name MOCCA

|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



**Luminaire**

Code PX-0493-BLA

Name MOCCA

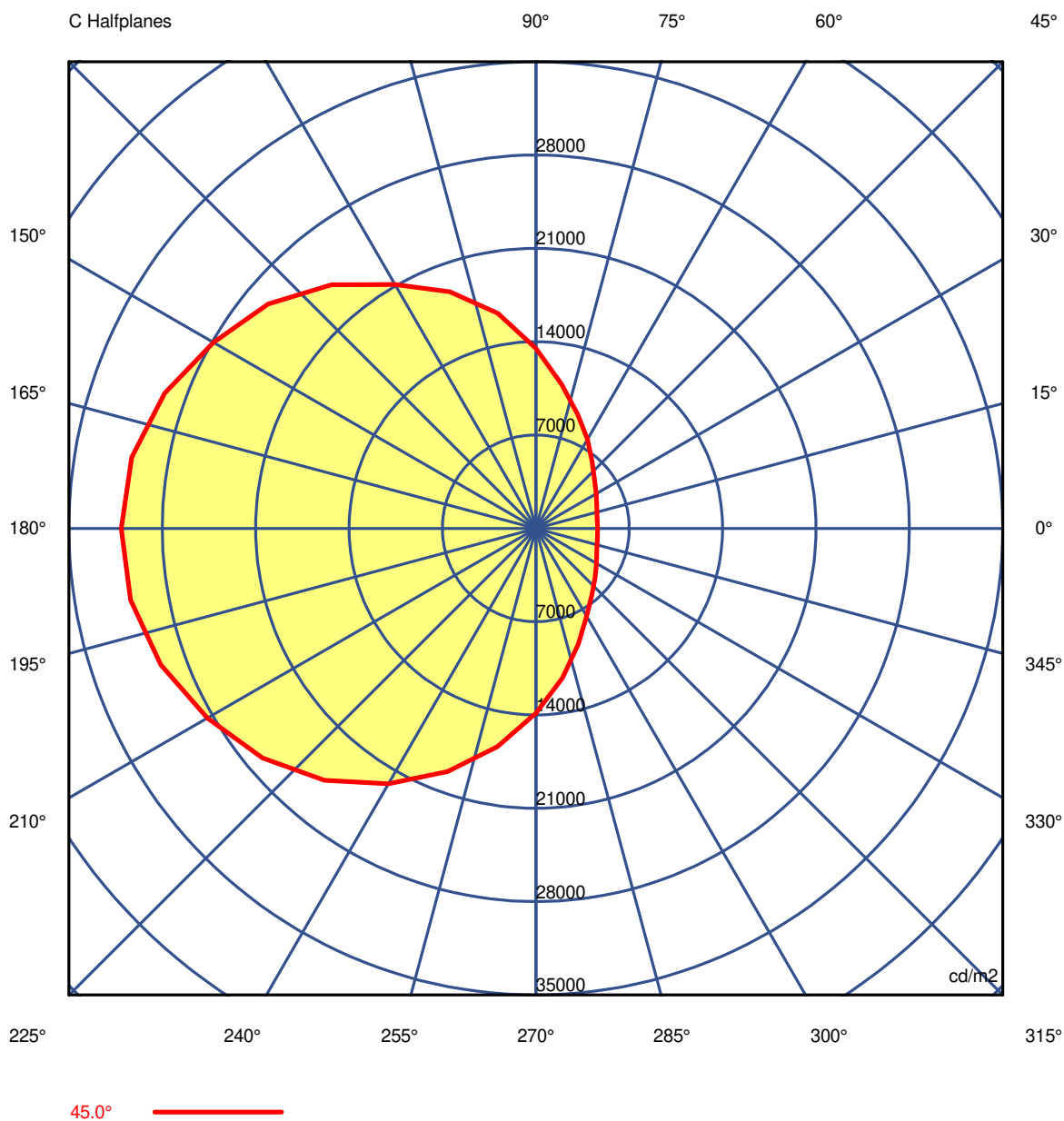
**Measurem.**

Code PX-0493-BLA

Name MOCCA

|                |           |                 |               |          |                  |            |              |
|----------------|-----------|-----------------|---------------|----------|------------------|------------|--------------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency | 100.00%      |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG         | Asymmetrical |

Luminance



**Luminaire**

Code PX-0493-BLA  
Name MOCCA

**Measur.**

Code PX-0493-BLA  
Name MOCCA

| Luminaire Flux  |          | 230.95 lm |          | Luminaire Power |          | 4.90 W        |          | Efficacy |          | 47.13 lm/W       |          | Efficiency |          | 100.00%      |          |
|-----------------|----------|-----------|----------|-----------------|----------|---------------|----------|----------|----------|------------------|----------|------------|----------|--------------|----------|
| Sources Flux    |          | 230.95 lm |          | Maximum value   |          | 385.49 cd/klm |          | Position |          | C=180.00 G=45.00 |          | CG         |          | Asymmetrical |          |
| Luminance cd/m2 |          |           |          |                 |          |               |          |          |          |                  |          |            |          | Table 1/3    |          |
|                 | C 0.00   | C 10.00   | C 20.00  | C 30.00         | C 40.00  | C 50.00       | C 60.00  | C 70.00  | C 80.00  | C 90.00          | C 100.00 | C 110.00   | C 120.00 |              |          |
| G 0.0           | 14563.41 | 14563.41  | 14563.41 | 14563.41        | 14563.41 | 14563.41      | 14563.41 | 14563.41 | 14563.41 | 14563.41         | 14563.41 | 14563.41   | 14563.41 | 14563.41     | 14563.41 |
| G 5.0           | 13359.99 | 13381.57  | 13426.82 | 13476.93        | 13515.73 | 13693.61      | 13929.53 | 14009.36 | 14260.74 | 14697.01         | 14962.66 | 15042.19   | 15110.43 | 15110.43     | 15110.43 |
| G 10.0          | 11965.12 | 12026.31  | 12113.40 | 12249.00        | 12441.89 | 12663.81      | 12996.56 | 13543.44 | 14030.06 | 14391.91         | 14831.76 | 15393.94   | 15962.97 | 15962.97     | 15962.97 |
| G 15.0          | 10785.00 | 10828.51  | 10974.54 | 11258.63        | 11424.37 | 11796.02      | 12421.05 | 13025.23 | 13699.88 | 14482.67         | 15264.37 | 15949.89   | 16528.41 | 16528.41     | 16528.41 |
| G 20.0          | 9719.90  | 9744.62   | 9844.80  | 10071.09        | 10453.56 | 11033.51      | 11751.26 | 12493.40 | 13344.64 | 14371.02         | 15489.81 | 16325.54   | 16999.60 | 16999.60     | 16999.60 |
| G 25.0          | 8522.41  | 8565.80   | 8718.53  | 9094.98         | 9518.10  | 10166.86      | 11027.39 | 11905.94 | 12972.30 | 14227.67         | 15462.81 | 16674.83   | 17880.27 | 17880.27     | 17880.27 |
| G 30.0          | 7575.96  | 7596.10   | 7732.54  | 8107.25         | 8542.73  | 9276.97       | 10263.50 | 11230.42 | 12504.37 | 14162.51         | 15864.22 | 17231.32   | 18349.81 | 18349.81     | 18349.81 |
| G 35.0          | 6523.28  | 6586.10   | 6741.92  | 7112.13         | 7590.44  | 8344.76       | 9399.35  | 10622.48 | 12076.42 | 13826.17         | 15810.45 | 17672.19   | 19367.91 | 19367.91     | 19367.91 |
| G 40.0          | 5535.67  | 5582.29   | 5761.81  | 6208.57         | 6699.86  | 7459.23       | 8543.67  | 9836.53  | 11585.14 | 13820.97         | 16231.27 | 18387.77   | 20328.88 | 20328.88     | 20328.88 |
| G 45.0          | 4621.19  | 4651.55   | 4845.57  | 5222.78         | 5726.62  | 6555.59       | 7727.75  | 9116.92  | 10993.11 | 13498.53         | 16396.47 | 18899.06   | 21138.21 | 21138.21     | 21138.21 |
| G 50.0          | 3631.70  | 3676.78   | 3892.10  | 4287.24         | 4786.81  | 5601.21       | 6786.52  | 8270.53  | 10364.78 | 13182.85         | 16469.83 | 19701.08   | 22714.33 | 22714.33     | 22714.33 |
| G 55.0          | 2676.93  | 2742.70   | 2926.80  | 3353.93         | 3843.85  | 4640.64       | 5806.60  | 7275.11  | 9561.01  | 12916.02         | 16981.25 | 20657.86   | 23945.94 | 23945.94     | 23945.94 |
| G 60.0          | 1631.43  | 1670.60   | 1894.78  | 2310.00         | 2818.89  | 3610.06       | 4750.94  | 6248.66  | 8635.75  | 12308.01         | 17100.22 | 21742.43   | 26025.11 | 26025.11     | 26025.11 |
| G 65.0          | 665.76   | 702.82    | 836.56   | 1205.74         | 1716.33  | 2518.70       | 3625.09  | 5046.95  | 7544.23  | 11730.66         | 17563.44 | 23744.45   | 29317.79 | 29317.79     | 29317.79 |
| G 70.0          | 280.51   | 276.50    | 267.48   | 321.68          | 598.60   | 1319.60       | 2419.55  | 3771.71  | 6210.01  | 10861.10         | 18182.71 | 25845.78   | 32774.97 | 32774.97     | 32774.97 |
| G 75.0          | 279.29   | 257.12    | 247.89   | 236.95          | 185.74   | 408.41        | 1094.64  | 2341.82  | 4707.57  | 9768.50          | 18951.79 | 29554.11   | 39522.77 | 39522.77     | 39522.77 |
| G 80.0          | 270.89   | 275.75    | 276.65   | 286.90          | 285.76   | 233.46        | 305.77   | 1036.31  | 2681.03  | 8313.25          | 21580.13 | 37073.43   | 51447.40 | 51447.40     | 51447.40 |
| G 85.0          | 449.87   | 459.56    | 472.86   | 502.70          | 521.52   | 531.63        | 533.04   | 555.11   | 2383.97  | 6019.63          | 29218.33 | 59451.01   | 88794.00 | 88794.00     | 88794.00 |
| G 90.0          | 0.00     | 0.00      | 0.00     | 0.00            | 0.00     | 0.00          | 0.00     | 0.00     | 0.00     | 0.00             | 0.00     | 0.00       | 0.00     | 0.00         | 0.00     |

**Luminaire**Code PX-0493-BLA  
Name MOCCA**Measur.**Code PX-0493-BLA  
Name MOCCA

| Luminaire Flux            | 230.95 lm |           | Luminaire Power |           | 4.90 W        |           | Efficacy  |           | 47.13 lm/W       |           | Efficiency      |          | 100.00%  |
|---------------------------|-----------|-----------|-----------------|-----------|---------------|-----------|-----------|-----------|------------------|-----------|-----------------|----------|----------|
| Sources Flux              | 230.95 lm |           | Maximum value   |           | 385.49 cd/klm |           | Position  |           | C=180.00 G=45.00 |           | CG Asymmetrical |          |          |
| Luminance cd/m2 Table 2/3 |           |           |                 |           |               |           |           |           |                  |           |                 |          |          |
|                           | C 130.00  | C 140.00  | C 150.00        | C 160.00  | C 170.00      | C 180.00  | C 190.00  | C 200.00  | C 210.00         | C 220.00  | C 230.00        | C 240.00 | C 250.00 |
| G 0.0                     | 14563.41  | 14563.41  | 14563.41        | 14563.41  | 14563.41      | 14563.41  | 14563.41  | 14563.41  | 14563.41         | 14563.41  | 14563.41        | 14563.41 | 14563.41 |
| G 5.0                     | 15354.49  | 15616.61  | 15820.68        | 16022.93  | 16138.62      | 16173.90  | 16202.41  | 16066.08  | 15786.68         | 15578.56  | 15465.92        | 15324.12 | 15019.13 |
| G 10.0                    | 16372.01  | 16711.48  | 17030.88        | 17288.14  | 17497.11      | 17590.06  | 17479.12  | 17368.19  | 17211.83         | 16779.59  | 16375.97        | 16020.29 | 15457.55 |
| G 15.0                    | 17080.94  | 17729.66  | 18376.71        | 18772.37  | 18973.98      | 19035.28  | 18932.36  | 18664.49  | 18285.95         | 17872.87  | 17396.52        | 16824.84 | 16150.54 |
| G 20.0                    | 17988.39  | 18928.26  | 19621.76        | 20210.09  | 20657.29      | 20834.77  | 20634.28  | 20202.78  | 19685.08         | 19126.63  | 18443.86        | 17587.99 | 16595.29 |
| G 25.0                    | 19051.99  | 20128.41  | 21041.85        | 21732.26  | 22159.79      | 22252.57  | 21971.02  | 21543.94  | 21060.42         | 20403.77  | 19469.22        | 18303.17 | 17061.49 |
| G 30.0                    | 19668.07  | 21197.93  | 22615.10        | 23513.75  | 24039.72      | 24268.63  | 24080.25  | 23424.71  | 22531.86         | 21720.15  | 20641.34        | 19192.04 | 17626.52 |
| G 35.0                    | 21137.39  | 22808.60  | 24178.72        | 25174.85  | 25922.98      | 26260.40  | 25876.97  | 25203.43  | 24401.95         | 23244.39  | 21769.55        | 20042.17 | 18117.76 |
| G 40.0                    | 22426.97  | 24428.58  | 26078.07        | 27284.95  | 27985.02      | 28226.85  | 28042.84  | 27010.85  | 25553.07         | 24578.04  | 23152.90        | 21004.74 | 18801.10 |
| G 45.0                    | 23872.52  | 26197.05  | 27908.40        | 29625.49  | 30768.43      | 31087.94  | 30862.31  | 29927.76  | 28429.18         | 26766.78  | 24674.77        | 22118.96 | 19406.30 |
| G 50.0                    | 25662.76  | 28267.82  | 30426.30        | 32235.26  | 33445.39      | 33814.42  | 33330.57  | 32487.61  | 31234.87         | 29068.24  | 26338.51        | 23384.38 | 20276.25 |
| G 55.0                    | 27686.45  | 31009.70  | 33586.29        | 35821.49  | 37163.24      | 37542.21  | 37381.24  | 36176.20  | 33995.19         | 31502.57  | 28517.07        | 25034.35 | 21338.27 |
| G 60.0                    | 30624.29  | 34479.54  | 37340.38        | 39916.39  | 41736.66      | 42342.72  | 41737.32  | 40450.63  | 38419.48         | 35133.98  | 31165.15        | 26933.71 | 22430.62 |
| G 65.0                    | 34128.18  | 38588.40  | 42674.52        | 45827.52  | 47653.73      | 48244.61  | 47930.08  | 46272.82  | 43306.15         | 39568.87  | 34972.95        | 29714.75 | 24238.10 |
| G 70.0                    | 39526.83  | 45418.08  | 50257.20        | 54382.11  | 56990.08      | 57759.20  | 57074.50  | 55037.71  | 51424.92         | 46099.86  | 40207.97        | 33982.23 | 26710.21 |
| G 75.0                    | 48546.64  | 56501.45  | 63140.09        | 68129.70  | 71383.58      | 72539.54  | 71269.29  | 68656.05  | 64353.34         | 57065.59  | 48759.71        | 40265.83 | 30689.93 |
| G 80.0                    | 65327.14  | 77813.87  | 88144.54        | 95968.66  | 100383.53     | 101613.13 | 100602.20 | 96167.96  | 88242.95         | 78165.11  | 66262.96        | 52903.47 | 38561.24 |
| G 85.0                    | 116678.94 | 140953.61 | 160498.90       | 175472.33 | 185094.69     | 188662.31 | 186089.13 | 178360.46 | 164605.51        | 143226.65 | 118066.08       | 91290.48 | 62292.72 |
| G 90.0                    | 0.00      | 0.00      | 0.00            | 0.00      | 0.00          | 0.00      | 0.00      | 0.00      | 0.00             | 0.00      | 0.00            | 0.00     | 0.00     |



# Luminaire

Code PX-0493-BLA  
Name MOCCA

# Measurem.

Code PX-0493-BLA  
Name MOCCA

|                |           |                 |               |          |                  |                 |         |
|----------------|-----------|-----------------|---------------|----------|------------------|-----------------|---------|
| Luminaire Flux | 230.95 lm | Luminaire Power | 4.90 W        | Efficacy | 47.13 lm/W       | Efficiency      | 100.00% |
| Sources Flux   | 230.95 lm | Maximum value   | 385.49 cd/klm | Position | C=180.00 G=45.00 | CG Asymmetrical |         |

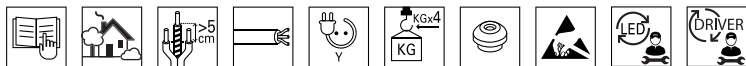
Luminance cd/m2 Table 3/3

|        | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 | 14563.41 |
| G 5.0  | 14762.63 | 14591.27 | 14331.31 | 14018.52 | 13761.41 | 13635.43 | 13519.51 | 13372.28 | 13274.51 | 13276.83 |
| G 10.0 | 15005.56 | 14680.39 | 14160.99 | 13572.21 | 13062.66 | 12679.11 | 12429.29 | 12266.08 | 12120.63 | 12019.51 |
| G 15.0 | 15372.81 | 14518.29 | 13665.14 | 12984.31 | 12464.59 | 11946.13 | 11491.32 | 11144.57 | 10891.24 | 10804.93 |
| G 20.0 | 15573.78 | 14577.86 | 13586.12 | 12564.28 | 11631.06 | 10983.21 | 10511.70 | 10126.43 | 9844.54  | 9746.49  |
| G 25.0 | 15756.15 | 14403.39 | 13081.49 | 11942.85 | 10999.12 | 10157.90 | 9537.34  | 9123.77  | 8775.31  | 8575.43  |
| G 30.0 | 15976.75 | 14315.69 | 12780.11 | 11363.03 | 10148.18 | 9279.00  | 8630.75  | 8116.86  | 7761.05  | 7628.20  |
| G 35.0 | 16189.89 | 14304.40 | 12401.01 | 10718.00 | 9389.04  | 8373.22  | 7653.97  | 7165.32  | 6812.32  | 6610.15  |
| G 40.0 | 16461.34 | 14011.49 | 11767.72 | 9972.65  | 8625.66  | 7549.28  | 6741.67  | 6184.05  | 5809.97  | 5612.43  |
| G 45.0 | 16603.24 | 13851.14 | 11386.27 | 9270.74  | 7612.90  | 6525.90  | 5783.75  | 5227.38  | 4854.03  | 4672.09  |
| G 50.0 | 16956.14 | 13608.00 | 10653.78 | 8371.22  | 6758.69  | 5603.63  | 4809.44  | 4278.71  | 3909.56  | 3708.70  |
| G 55.0 | 17300.54 | 13234.16 | 9871.02  | 7415.95  | 5762.65  | 4649.95  | 3891.81  | 3351.33  | 2951.92  | 2739.29  |
| G 60.0 | 17657.11 | 12977.29 | 9059.25  | 6342.70  | 4707.93  | 3618.64  | 2865.73  | 2326.74  | 1916.37  | 1694.69  |
| G 65.0 | 18231.06 | 12292.74 | 7838.43  | 5109.71  | 3604.55  | 2536.66  | 1733.77  | 1167.17  | 805.13   | 691.88   |
| G 70.0 | 18861.71 | 11696.15 | 6635.99  | 3806.99  | 2389.57  | 1261.34  | 536.16   | 282.54   | 237.14   | 255.91   |
| G 75.0 | 20196.47 | 10771.09 | 5064.92  | 2265.22  | 992.42   | 359.43   | 225.55   | 245.71   | 255.29   | 266.49   |
| G 80.0 | 23060.42 | 9595.95  | 3033.67  | 847.46   | 258.10   | 278.81   | 289.67   | 290.70   | 272.11   | 267.28   |
| G 85.0 | 31901.18 | 8068.35  | 648.24   | 478.19   | 480.07   | 511.30   | 524.50   | 493.51   | 460.41   | 450.13   |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |



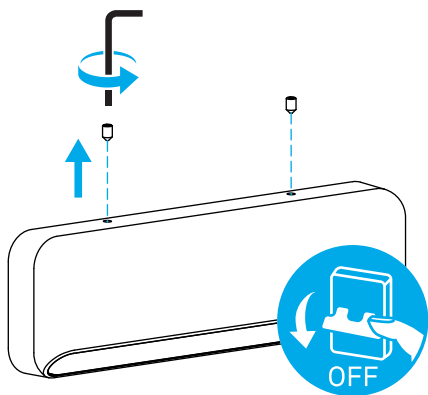
**Mocca**  
PX-0493

**FOR**  
LIGHT

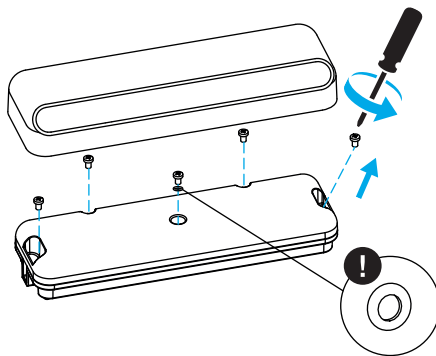


226 mm

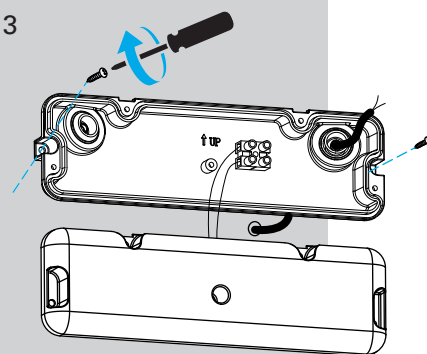
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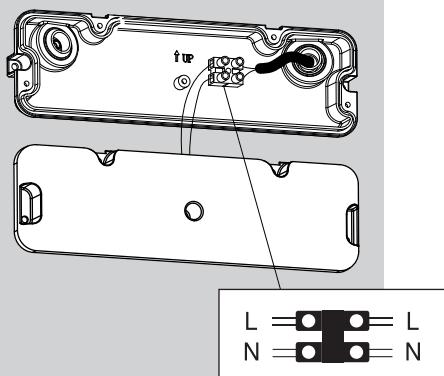
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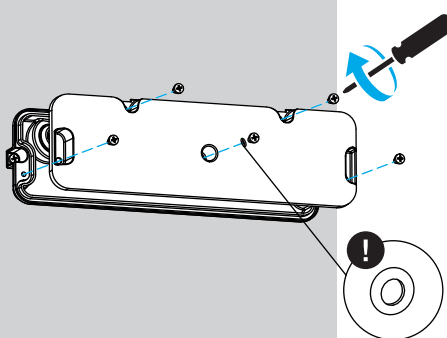
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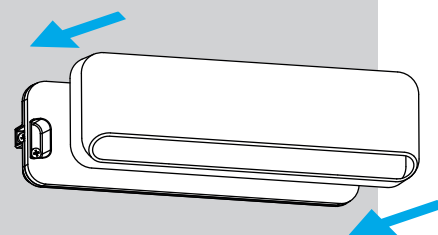
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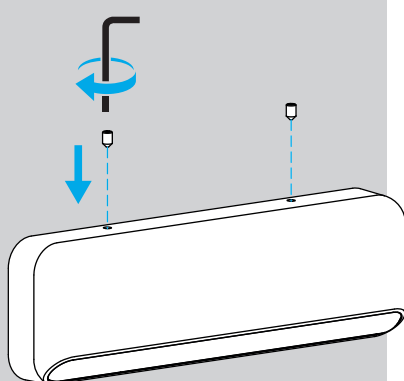
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6



7



8

