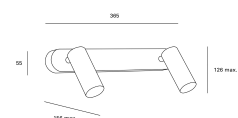


## DE-0015-BLA

Spotlights series Logos Double LED 3000K ON-OFF White 564lm

### TECHNICAL FEATURES



Luminaire total power : 8.4W

Real lumens : 564

Nominal lumens : 840

Real lm/W : 67

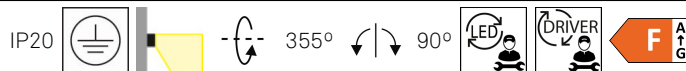
Lens / reflector angle : FLOOD 99°

Structure material : Steel

Structure finish : White

Diffuser material : Polycarbonate

Diffuser finish : Prismatic



Voltage / frequency : 220-240V/50-60Hz

Dimming protocol : ON-OFF

Power Factor : 0.50

Useful life : 36.000h L70B30

Warranty : 2 Years

Easily recyclable luminaire

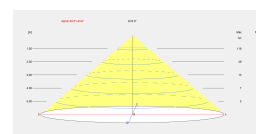
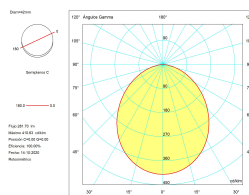
### LUMINOTECHNIC FEATURES

CRI: 80

MacAdam steps: 3

Photobiological risk: RG0

| Lampholder | Quantity | Light source power (W) | Correlated Colour Temperature (CCT) |
|------------|----------|------------------------|-------------------------------------|
| LED        | 2        | 3.7W                   | 3000K                               |

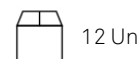


### LOGISTICS

Net weight (kg): 0.7

Packaged weight (kg): 0.98

Packaging: 375mm x 55mm x 90mm



12 Un

**Luminaire**

Code DE-0015-BLA  
Name LOGOS

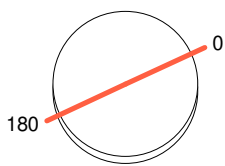
**Measurerm.**

Code DE-0015-BLA  
Name LOGOS

|                            |           |                 |               |                             |               |                 |                 |
|----------------------------|-----------|-----------------|---------------|-----------------------------|---------------|-----------------|-----------------|
| Luminaire Flux             | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy                    | 67.07 lm/W    | Efficiency      | 100.00%         |
| Sources Flux               | 281.70 lm | Maximum value   | 410.63 cd/klm | Position                    | C=0.00 G=0.00 | CG              | Rotosymmetrical |
| Round Luminaire            |           | Diam.           | 42 mm         | Height                      | 106 mm        |                 |                 |
| Round Luminous Area        |           | Diam.           | 40 mm         | Height                      | 0 mm          |                 |                 |
| Horizontal Luminous Area   |           | 0.001257 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°           |               | 0.000304 m2     |                 |
| Coordinate system          |           | CG              |               | Symmetry Type               |               | Rotosymmetrical |                 |
| Date                       |           | 14-10-2020      |               | Maximum Gamma Angle         |               | 90              |                 |
| Measurement Distance       |           | 0.00            |               | Measurement Flux            |               | 281.70 lm       |                 |
| Operator                   |           | qualitat        |               | Rated Voltage               |               |                 |                 |
| Temperature                |           | 25.00 °C        |               | Rated Current               |               |                 |                 |
| Humidity                   |           | 60.00 %         |               | Photocell                   |               |                 |                 |
| Notes                      |           |                 |               |                             |               |                 |                 |

| Line   |                  | Code        |  | Luminaire Sources |      | Flux [lm] | Pow. [W] | Q.ty |
|--------|------------------|-------------|--|-------------------|------|-----------|----------|------|
|        |                  | DE-0015-BLA |  | Name              |      | 281.70    | 4.20     | 1    |
|        |                  |             |  | DE-0014-BLA       |      |           |          |      |
| C.I.E. | 52 83 97 100 100 |             |  | D DIN 5040        | A40  |           |          |      |
| F UTE  | 1.00 D           |             |  | B NBN             | BZ 4 |           |          |      |

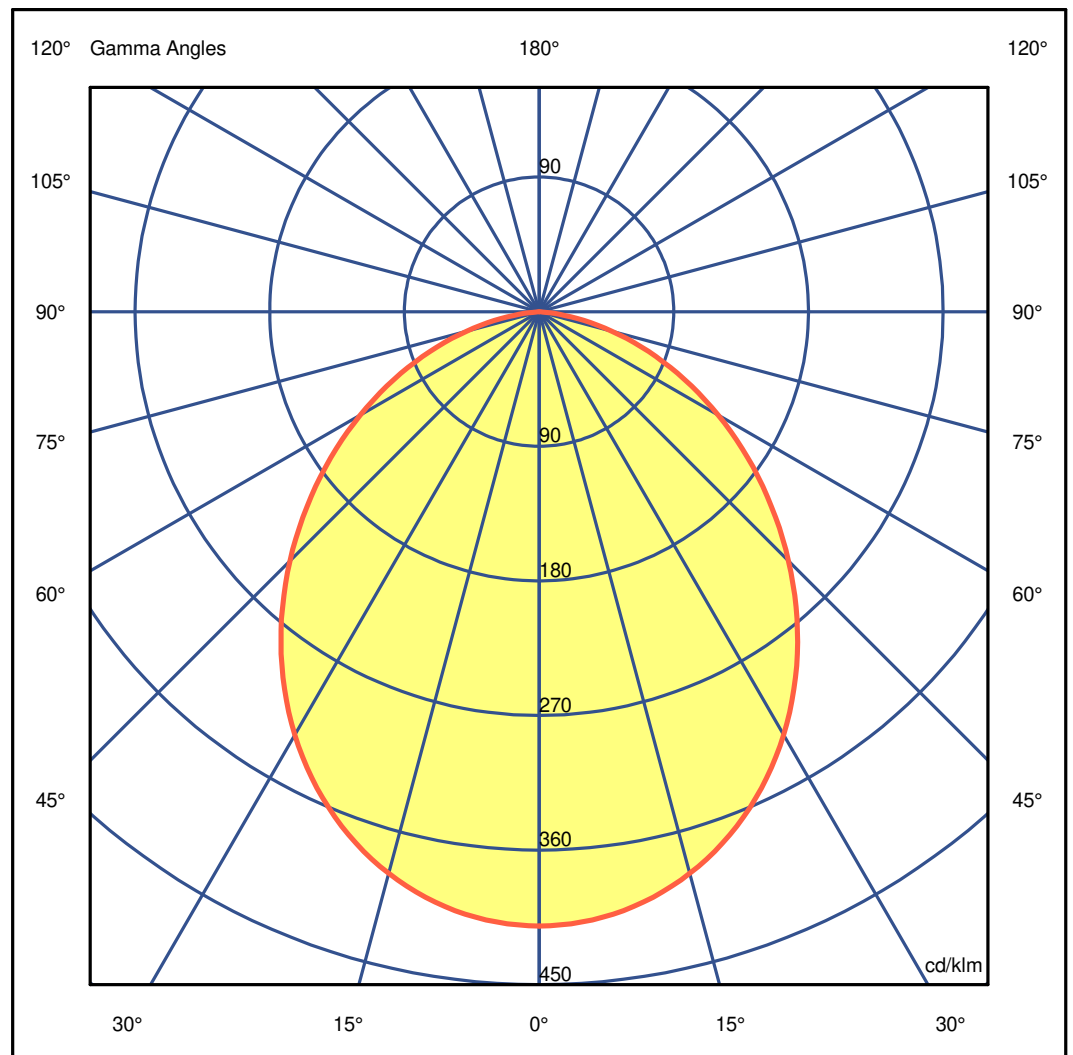
Diam=42mm



C Halfplanes

180.0 — 0.0

ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %




**Luminaire**

Code DE-0015-BLA  
Name LOGOS

**Measurem.**

Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
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| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

**Luminous Intensity Table cd/klm Table 1/1**

|        | C 0.00 | C 0.00        |
|--------|--------|---------------|
| G 0.0  | 410.63 | G 46.0 229.00 |
| G 1.0  | 410.53 | G 47.0 222.43 |
| G 2.0  | 410.22 | G 48.0 215.89 |
| G 3.0  | 409.69 | G 49.0 209.27 |
| G 4.0  | 409.01 | G 50.0 202.68 |
| G 5.0  | 408.12 | G 51.0 196.16 |
| G 6.0  | 407.04 | G 52.0 189.60 |
| G 7.0  | 405.77 | G 53.0 183.09 |
| G 8.0  | 404.31 | G 54.0 176.61 |
| G 9.0  | 402.64 | G 55.0 170.13 |
| G 10.0 | 400.82 | G 56.0 163.61 |
| G 11.0 | 398.76 | G 57.0 157.23 |
| G 12.0 | 396.51 | G 58.0 150.84 |
| G 13.0 | 394.14 | G 59.0 144.44 |
| G 14.0 | 391.50 | G 60.0 138.13 |
| G 15.0 | 388.72 | G 61.0 131.83 |
| G 16.0 | 385.77 | G 62.0 125.62 |
| G 17.0 | 382.63 | G 63.0 119.40 |
| G 18.0 | 379.32 | G 64.0 113.27 |
| G 19.0 | 375.86 | G 65.0 107.22 |
| G 20.0 | 372.19 | G 66.0 101.22 |
| G 21.0 | 368.33 | G 67.0 95.26  |
| G 22.0 | 364.37 | G 68.0 89.39  |
| G 23.0 | 360.18 | G 69.0 83.61  |
| G 24.0 | 355.87 | G 70.0 77.80  |
| G 25.0 | 351.39 | G 71.0 72.16  |
| G 26.0 | 346.74 | G 72.0 66.56  |
| G 27.0 | 341.93 | G 73.0 61.03  |
| G 28.0 | 336.99 | G 74.0 55.66  |
| G 29.0 | 331.86 | G 75.0 50.36  |
| G 30.0 | 326.63 | G 76.0 45.13  |
| G 31.0 | 321.28 | G 77.0 40.05  |
| G 32.0 | 315.75 | G 78.0 35.18  |
| G 33.0 | 310.18 | G 79.0 30.44  |
| G 34.0 | 304.45 | G 80.0 25.94  |
| G 35.0 | 298.54 | G 81.0 21.65  |
| G 36.0 | 292.58 | G 82.0 17.57  |
| G 37.0 | 286.56 | G 83.0 13.78  |
| G 38.0 | 280.41 | G 84.0 10.28  |
| G 39.0 | 274.20 | G 85.0 7.10   |
| G 40.0 | 267.94 | G 86.0 4.40   |
| G 41.0 | 261.51 | G 87.0 2.29   |
| G 42.0 | 255.09 | G 88.0 0.96   |
| G 43.0 | 248.60 | G 89.0 0.27   |
| G 44.0 | 242.10 | G 90.0 0.08   |
| G 45.0 | 235.56 |               |

**Luminaire**

Code DE-0015-BLA  
Name LOGOS

**Measurem.**

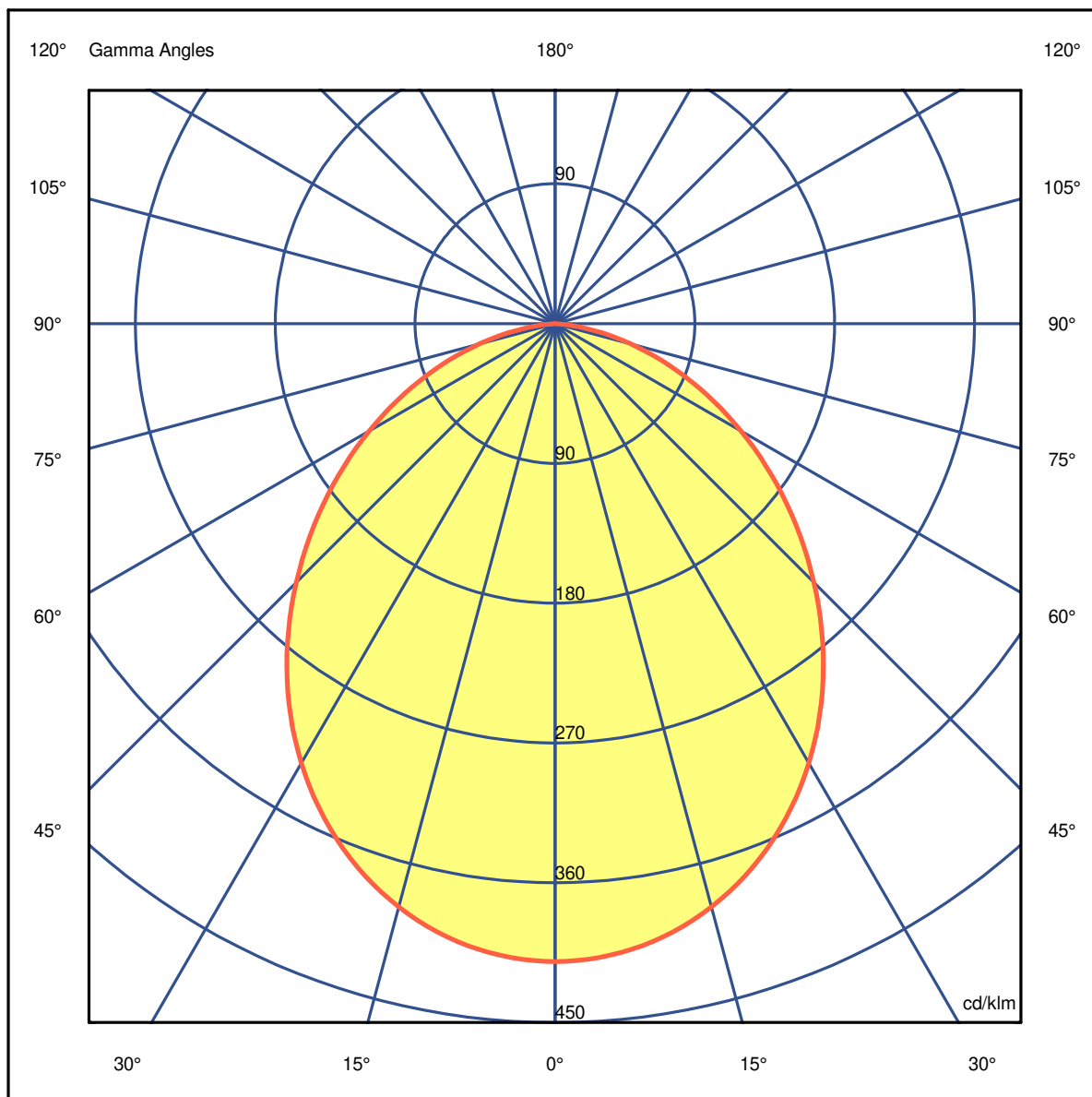
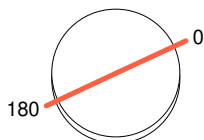
Code DE-0015-BLA  
Name LOGOS

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|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
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| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

Diam=42mm

C Halfplanes

180.0 ————— 0.0



**Luminaire**

Code DE-0015-BLA  
Name LOGOS

**Measurem.**

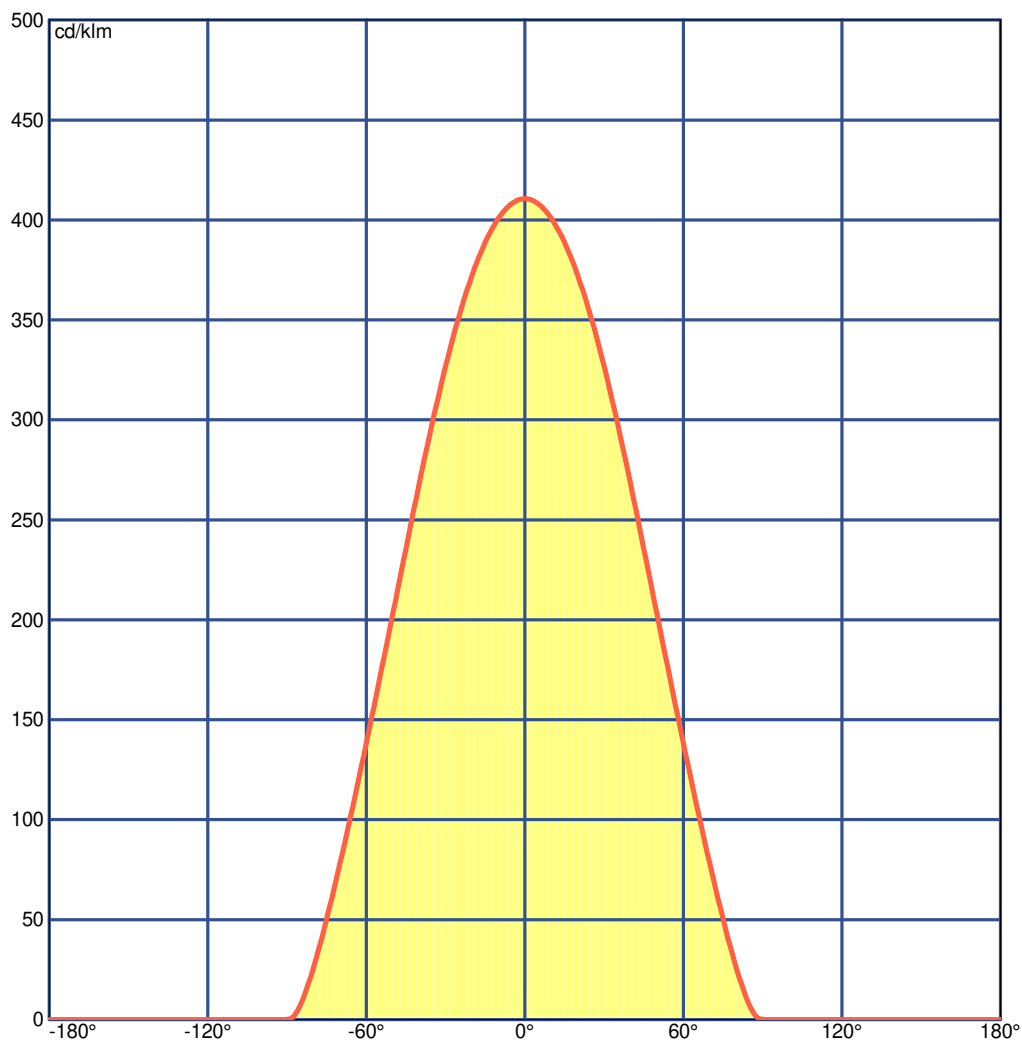
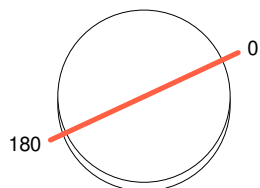
Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
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Diam=42mm

C Halfplanes

180.0 ————— 0.0



**Luminaire**Code DE-0015-BLA  
Name LOGOS**Measurem.**Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
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| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

**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  |
| Working Plane   | 0.2          | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |              |      |      |      |      |                |      |      |      |      |
|                 | Lateral View |      |      |      |      | Viewed Endwise |      |      |      |      |
| x=2H y=2H       | 27.0         | 28.3 | 27.3 | 28.5 | 28.7 | 27.0           | 28.3 | 27.3 | 28.5 | 28.7 |
| x=2H y=3H       | 28.3         | 29.4 | 28.6 | 29.7 | 30.0 | 28.3           | 29.4 | 28.6 | 29.7 | 30.0 |
| x=2H y=4H       | 28.8         | 29.8 | 29.1 | 30.1 | 30.4 | 28.8           | 29.8 | 29.1 | 30.1 | 30.4 |
| x=2H y=6H       | 29.0         | 30.0 | 29.4 | 30.3 | 30.6 | 29.0           | 30.0 | 29.4 | 30.3 | 30.6 |
| x=2H y=8H       | 29.1         | 30.0 | 29.4 | 30.3 | 30.6 | 29.1           | 30.0 | 29.4 | 30.3 | 30.6 |
| x=2H y=12H      | 29.1         | 30.0 | 29.4 | 30.3 | 30.6 | 29.1           | 30.0 | 29.4 | 30.3 | 30.6 |
| x=4H y=2H       | 27.6         | 28.7 | 27.9 | 29.0 | 29.2 | 27.6           | 28.7 | 27.9 | 29.0 | 29.2 |
| x=4H y=3H       | 29.1         | 30.0 | 29.4 | 30.3 | 30.6 | 29.1           | 30.0 | 29.4 | 30.3 | 30.6 |
| x=4H y=4H       | 29.6         | 30.4 | 30.0 | 30.8 | 31.1 | 29.6           | 30.4 | 30.0 | 30.8 | 31.1 |
| x=4H y=6H       | 30.0         | 30.7 | 30.4 | 31.1 | 31.5 | 30.0           | 30.7 | 30.4 | 31.1 | 31.5 |
| x=4H y=8H       | 30.1         | 30.7 | 30.5 | 31.1 | 31.5 | 30.1           | 30.7 | 30.5 | 31.1 | 31.5 |
| x=4H y=12H      | 30.1         | 30.7 | 30.5 | 31.1 | 31.5 | 30.1           | 30.7 | 30.5 | 31.1 | 31.5 |
| x=8H y=4H       | 29.8         | 30.5 | 30.3 | 30.9 | 31.3 | 29.8           | 30.5 | 30.3 | 30.9 | 31.3 |
| x=8H y=6H       | 30.3         | 30.8 | 30.7 | 31.2 | 31.7 | 30.3           | 30.8 | 30.7 | 31.2 | 31.7 |
| x=8H y=8H       | 30.4         | 30.9 | 30.9 | 31.3 | 31.8 | 30.4           | 30.9 | 30.9 | 31.3 | 31.8 |
| x=8H y=12H      | 30.5         | 30.8 | 31.0 | 31.3 | 31.8 | 30.5           | 30.8 | 31.0 | 31.3 | 31.8 |
| x=12H y=4H      | 29.8         | 30.4 | 30.3 | 30.8 | 31.2 | 29.8           | 30.4 | 30.3 | 30.8 | 31.2 |
| x=12H y=6H      | 30.3         | 30.8 | 30.8 | 31.2 | 31.7 | 30.3           | 30.8 | 30.8 | 31.2 | 31.7 |
| x=12H y=8H      | 30.5         | 30.8 | 30.9 | 31.3 | 31.8 | 30.5           | 30.8 | 30.9 | 31.3 | 31.8 |

**Luminaire**

Code DE-0015-BLA  
Name LOGOS

**Measur.**

Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy | 67.07 lm/W    | Efficiency | 100.00%         |
| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

Total Flux=281.70 Luminaire Flux=281.70

|     |      |      |      |      |      |      |      |      |      |      |       |       |
|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|
| 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 | 0.34 | 0.43 | 0.50 | 0.58 | 0.63 | 0.71 | 0.77 | 0.81 | 0.85 | 0.88 | 0.94  | 0.97  |
| RC  | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 3     | 3     |

Zonal Flux per 1000 Lumen

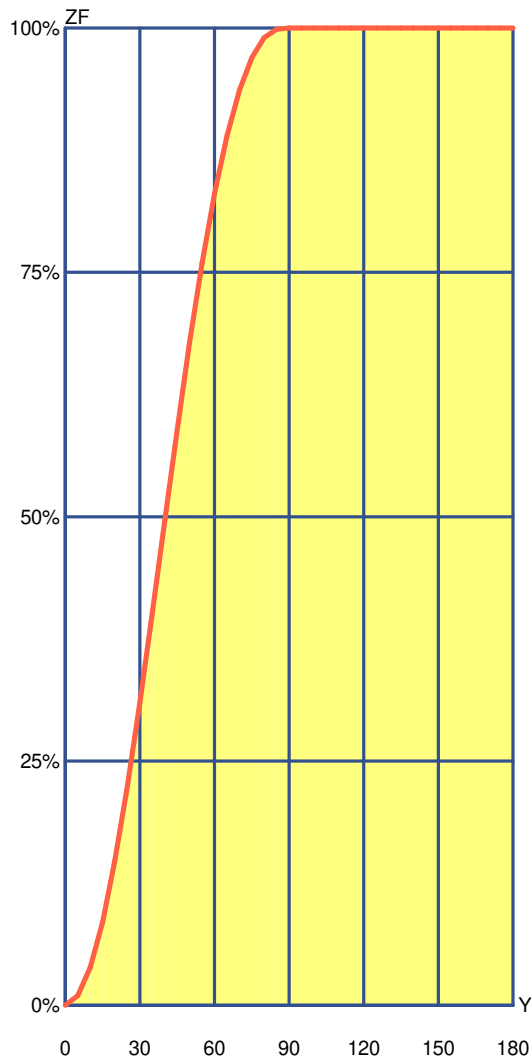
|       |    |     |     |     |     |     |     |     |      |      |      |      |      |      |      |      |      |      |
|-------|----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|
| Y°    | 10 | 20  | 30  | 40  | 50  | 60  | 70  | 80  | 90   | 100  | 110  | 120  | 130  | 140  | 150  | 160  | 170  | 180  |
| ZF(Y) | 39 | 148 | 310 | 496 | 678 | 830 | 937 | 990 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

CIE Flux Codes

52 83 97 100 100

C.I.E. 4/4/4/4/4/4/4/4/3/3  
D DIN 5040 A40  
F UTE 1.00 D  
B NBN BZ 4  
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°         | 9.79  | 9.79    | 0.98 %   | 0.98 %   |
| 10°        | 28.94 | 38.72   | 2.89 %   | 3.87 %   |
| 15°        | 46.83 | 85.56   | 4.68 %   | 8.56 %   |
| 20°        | 62.71 | 148.27  | 6.27 %   | 14.83 %  |
| 25°        | 75.88 | 224.15  | 7.59 %   | 22.41 %  |
| 30°        | 85.80 | 309.94  | 8.58 %   | 30.99 %  |
| 35°        | 92.05 | 401.99  | 9.20 %   | 40.20 %  |
| 40°        | 94.47 | 496.46  | 9.45 %   | 49.65 %  |
| 45°        | 93.16 | 589.62  | 9.32 %   | 58.96 %  |
| 50°        | 88.48 | 678.10  | 8.85 %   | 67.81 %  |
| 55°        | 80.97 | 759.07  | 8.10 %   | 75.91 %  |
| 60°        | 71.15 | 830.22  | 7.12 %   | 83.02 %  |
| 65°        | 59.53 | 889.75  | 5.95 %   | 88.98 %  |
| 70°        | 46.75 | 936.50  | 4.67 %   | 93.65 %  |
| 75°        | 33.37 | 969.87  | 3.34 %   | 96.99 %  |
| 80°        | 20.20 | 990.08  | 2.02 %   | 99.01 %  |
| 85°        | 8.66  | 998.74  | 0.87 %   | 99.87 %  |
| 90°        | 1.26  | 1000.00 | 0.13 %   | 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 DE-0015-BLA  
Name LOGOS**Measurem.**Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |                    |         |
|----------------|-----------|-----------------|---------------|----------|---------------|--------------------|---------|
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| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG Rotosymmetrical |         |

## 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     | 212     | 191  | 164           | 148  | 182        | 141  | 110                | 93   | 84   | 72   | 45   | 34   | 17   | 12   | 67   | 36   | 32                    | 14   | 11   | 30   | 12   | 10   | 0    |
| 0.80     | 246     | 226  | 174           | 161  | 215        | 154  | 138                | 121  | 96   | 84   | 55   | 43   | 24   | 17   | 79   | 45   | 41                    | 20   | 16   | 39   | 17   | 15   | 0    |
| 1.00     | 268     | 250  | 175           | 164  | 237        | 157  | 161                | 144  | 102  | 92   | 61   | 50   | 30   | 23   | 86   | 52   | 48                    | 25   | 22   | 45   | 22   | 20   | 0    |
| 1.25     | 288     | 271  | 172           | 163  | 258        | 157  | 185                | 168  | 106  | 97   | 67   | 57   | 36   | 29   | 91   | 59   | 54                    | 32   | 28   | 52   | 28   | 26   | 0    |
| 1.50     | 302     | 287  | 168           | 161  | 273        | 155  | 204                | 188  | 109  | 101  | 72   | 63   | 42   | 35   | 95   | 64   | 60                    | 38   | 33   | 57   | 34   | 31   | 0    |
| 2.00     | 320     | 307  | 157           | 152  | 293        | 147  | 233                | 218  | 110  | 103  | 78   | 70   | 52   | 45   | 98   | 71   | 67                    | 47   | 43   | 64   | 43   | 40   | 0    |
| 2.50     | 332     | 321  | 149           | 145  | 306        | 141  | 253                | 240  | 110  | 104  | 83   | 76   | 59   | 52   | 99   | 76   | 72                    | 55   | 51   | 70   | 51   | 47   | 0    |
| 3.00     | 340     | 331  | 143           | 140  | 316        | 136  | 269                | 257  | 109  | 105  | 86   | 80   | 65   | 59   | 100  | 79   | 76                    | 60   | 57   | 74   | 56   | 53   | 0    |
| 4.00     | 352     | 345  | 136           | 133  | 330        | 130  | 291                | 281  | 109  | 106  | 90   | 85   | 73   | 67   | 102  | 84   | 82                    | 69   | 65   | 79   | 65   | 62   | 0    |
| 5.00     | 360     | 354  | 131           | 129  | 339        | 126  | 306                | 297  | 109  | 106  | 93   | 89   | 79   | 74   | 102  | 88   | 86                    | 75   | 72   | 83   | 71   | 68   | 0    |
| 10.00    | 376     | 373  | 120           | 120  | 358        | 118  | 340                | 334  | 109  | 107  | 100  | 98   | 92   | 89   | 104  | 96   | 95                    | 88   | 86   | 92   | 85   | 82   | 0    |
| 20.00    | 385     | 383  | 114           | 114  | 368        | 112  | 359                | 356  | 108  | 107  | 103  | 102  | 99   | 97   | 104  | 100  | 100                   | 96   | 95   | 97   | 94   | 91   | 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  | 452  | 440  | 391  | 382  | 434  | 378  | 342  | 334  | 305  | 300  | 256  | 252  | 220  | 218  | 297  | 252  | 251  | 219  | 218  | 250  | 218  | 218  | 197  |
| 0.80  | 505  | 493  | 423  | 415  | 484  | 410  | 394  | 385  | 342  | 336  | 293  | 288  | 257  | 254  | 332  | 288  | 286  | 255  | 254  | 285  | 254  | 252  | 228  |
| 1.00  | 539  | 527  | 438  | 432  | 515  | 425  | 430  | 420  | 363  | 358  | 317  | 312  | 282  | 278  | 352  | 311  | 309  | 279  | 277  | 307  | 277  | 276  | 248  |
| 1.25  | 568  | 556  | 448  | 443  | 542  | 436  | 463  | 452  | 381  | 375  | 338  | 332  | 304  | 300  | 369  | 331  | 329  | 301  | 298  | 326  | 298  | 296  | 265  |
| 1.50  | 588  | 577  | 454  | 449  | 562  | 442  | 488  | 477  | 392  | 387  | 353  | 347  | 320  | 316  | 380  | 345  | 343  | 316  | 314  | 339  | 313  | 311  | 278  |
| 2.00  | 606  | 596  | 448  | 444  | 577  | 437  | 514  | 504  | 397  | 393  | 364  | 359  | 336  | 331  | 384  | 355  | 353  | 331  | 328  | 349  | 326  | 323  | 286  |
| 2.50  | 615  | 606  | 441  | 438  | 586  | 431  | 531  | 521  | 398  | 394  | 369  | 364  | 344  | 340  | 385  | 360  | 358  | 338  | 336  | 353  | 333  | 329  | 289  |
| 3.00  | 619  | 611  | 434  | 431  | 589  | 424  | 540  | 531  | 395  | 392  | 370  | 366  | 348  | 344  | 383  | 361  | 359  | 342  | 339  | 353  | 336  | 331  | 289  |
| 4.00  | 629  | 623  | 429  | 427  | 599  | 420  | 559  | 551  | 397  | 395  | 377  | 373  | 359  | 355  | 385  | 367  | 366  | 351  | 349  | 358  | 344  | 338  | 294  |
| 5.00  | 637  | 632  | 427  | 426  | 607  | 419  | 573  | 565  | 400  | 398  | 383  | 379  | 367  | 363  | 387  | 372  | 371  | 359  | 356  | 363  | 351  | 344  | 298  |
| 10.00 | 652  | 649  | 420  | 420  | 621  | 413  | 601  | 596  | 402  | 401  | 393  | 391  | 383  | 380  | 390  | 381  | 380  | 373  | 372  | 371  | 364  | 355  | 305  |
| 20.00 | 647  | 646  | 403  | 403  | 615  | 396  | 605  | 602  | 391  | 390  | 386  | 384  | 381  | 379  | 378  | 374  | 373  | 369  | 368  | 363  | 359  | 349  | 296  |

## 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  | 622  | 609  | 580  | 571  | 601  | 565  | 490  | 482  | 471  | 466  | 408  | 403  | 362  | 360  | 462  | 404  | 402  | 361  | 360  | 401  | 360  | 359  | 342  |
| 0.80  | 729  | 715  | 672  | 662  | 703  | 655  | 592  | 582  | 564  | 558  | 500  | 494  | 452  | 449  | 552  | 494  | 492  | 449  | 448  | 489  | 448  | 446  | 429  |
| 1.00  | 813  | 799  | 741  | 732  | 783  | 723  | 676  | 664  | 639  | 632  | 577  | 570  | 528  | 524  | 624  | 569  | 566  | 525  | 523  | 563  | 522  | 520  | 503  |
| 1.25  | 891  | 877  | 803  | 795  | 858  | 785  | 757  | 744  | 709  | 702  | 650  | 643  | 603  | 598  | 692  | 640  | 638  | 598  | 596  | 633  | 595  | 592  | 575  |
| 1.50  | 949  | 935  | 847  | 840  | 913  | 829  | 818  | 805  | 760  | 753  | 705  | 698  | 660  | 655  | 742  | 694  | 691  | 654  | 651  | 685  | 650  | 646  | 630  |
| 2.00  | 1000 | 1000 | 909  | 904  | 993  | 892  | 912  | 898  | 836  | 830  | 789  | 781  | 749  | 743  | 816  | 776  | 773  | 741  | 738  | 765  | 734  | 729  | 714  |
| 2.50  | 1000 | 1000 | 947  | 942  | 1000 | 930  | 973  | 960  | 883  | 878  | 843  | 836  | 808  | 801  | 863  | 828  | 825  | 798  | 794  | 816  | 789  | 782  | 769  |
| 3.00  | 1000 | 1000 | 972  | 969  | 1000 | 956  | 1000 | 1000 | 916  | 911  | 881  | 874  | 850  | 843  | 895  | 865  | 863  | 839  | 835  | 852  | 829  | 820  | 807  |
| 4.00  | 1000 | 1000 | 1000 | 999  | 1000 | 987  | 1000 | 1000 | 955  | 951  | 927  | 921  | 901  | 894  | 934  | 910  | 907  | 888  | 884  | 895  | 876  | 865  | 853  |
| 5.00  | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 979  | 975  | 955  | 950  | 933  | 927  | 957  | 937  | 934  | 918  | 915  | 920  | 905  | 892  | 881  |
| 10.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 997  | 1000 | 993  | 992  | 983  | 980  | 974  | 966  | 950  |
| 20.00 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 999  | 981  | 970  |

LM53 SHR C0-C180: 1.178 SHR C90-C270: 1.178 SHR Square: 1.286





# Luminaire

Code DE-0015-BLA

Name LOGOS

## Measurement

Code DE-0015-BLA

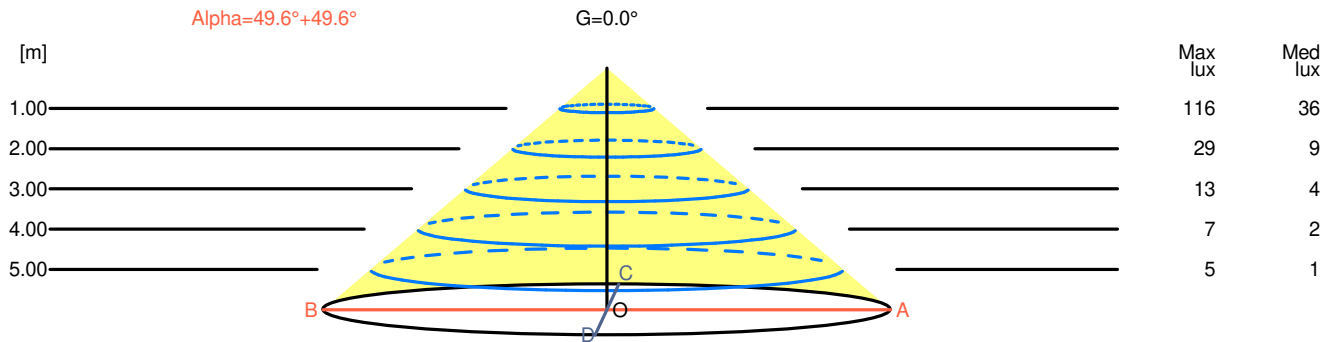
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy | 67.07 lm/W    | Efficiency | 100.00%         |
| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA   | 1.18 | 2.35 | 3.53 | 4.70 | 5.88 | OC   | 1.18 | 2.35 | 3.53 | 4.70 | 5.88 |
| OB   | 1.18 | 2.35 | 3.53 | 4.70 | 5.88 | OD   | 1.18 | 2.35 | 3.53 | 4.70 | 5.88 |

|    | 0      | 5      | 15     | 25    | 35    | 45    | 55    | 65    | 75    | 85   |
|----|--------|--------|--------|-------|-------|-------|-------|-------|-------|------|
| OA | 115.67 | 114.97 | 109.50 | 98.99 | 84.10 | 66.36 | 47.92 | 30.20 | 14.19 | 2.00 |
| OB | 115.67 | 114.97 | 109.50 | 98.99 | 84.10 | 66.36 | 47.92 | 30.20 | 14.19 | 2.00 |
| OC | 115.67 | 114.97 | 109.50 | 98.99 | 84.10 | 66.36 | 47.92 | 30.20 | 14.19 | 2.00 |
| OD | 115.67 | 114.97 | 109.50 | 98.99 | 84.10 | 66.36 | 47.92 | 30.20 | 14.19 | 2.00 |



| H[m] | D[m]  | Max lux | Med lux | Alpha=49.6°+49.6° | G=0.0 |  |
|------|-------|---------|---------|-------------------|-------|--|
| 1.00 | 2.35  | 116     | 36      |                   |       |  |
| 2.00 | 4.70  | 29      | 9       |                   |       |  |
| 3.00 | 7.05  | 13      | 4       |                   |       |  |
| 4.00 | 9.40  | 7       | 2       |                   |       |  |
| 5.00 | 11.75 | 5       | 1       |                   |       |  |

**Luminaire**

Code DE-0015-BLA  
Name LOGOS

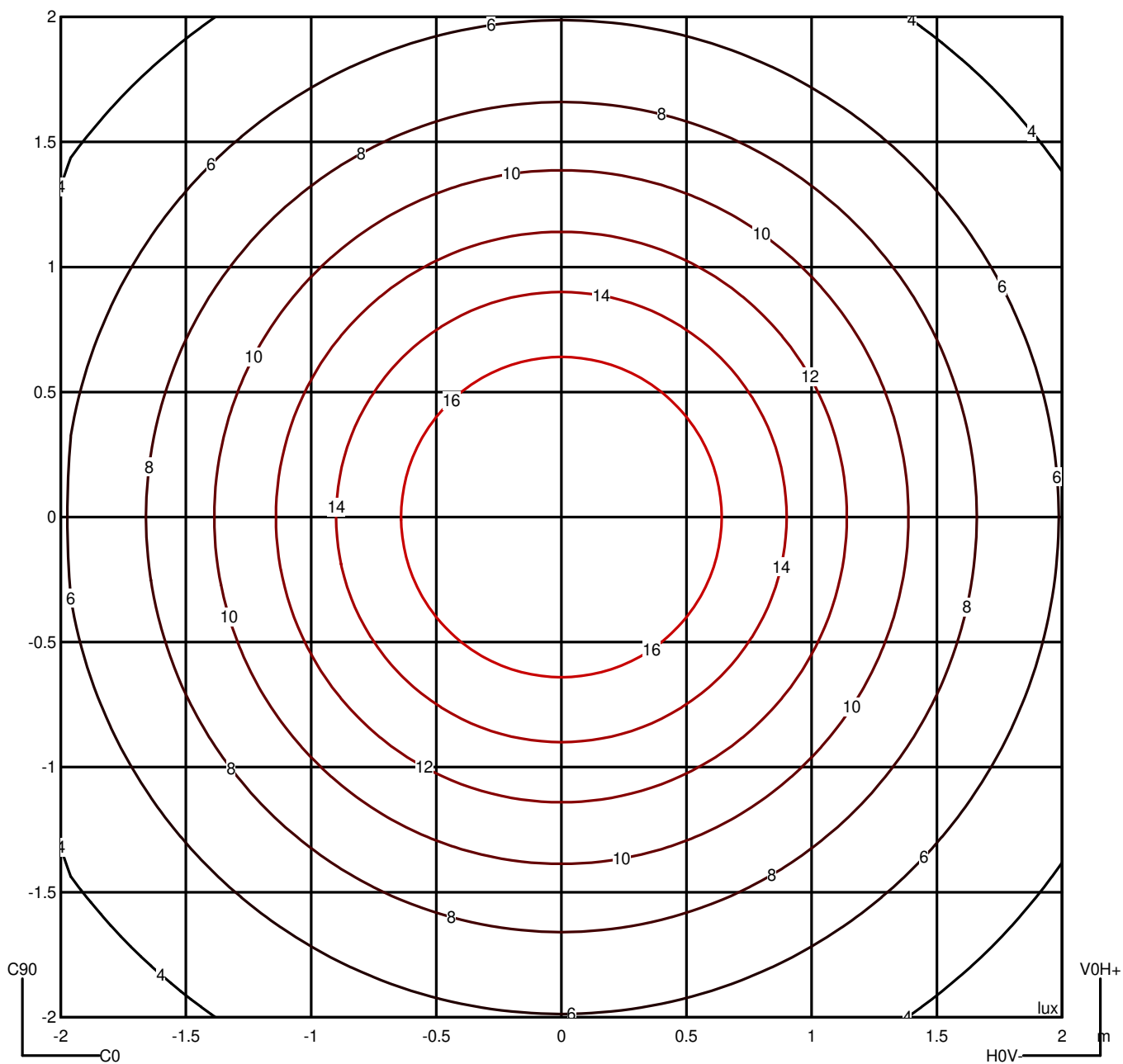
**Measurem.**

Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy | 67.07 lm/W    | Efficiency | 100.00%         |
| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

Isolux (Floor)

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



**Luminaire**

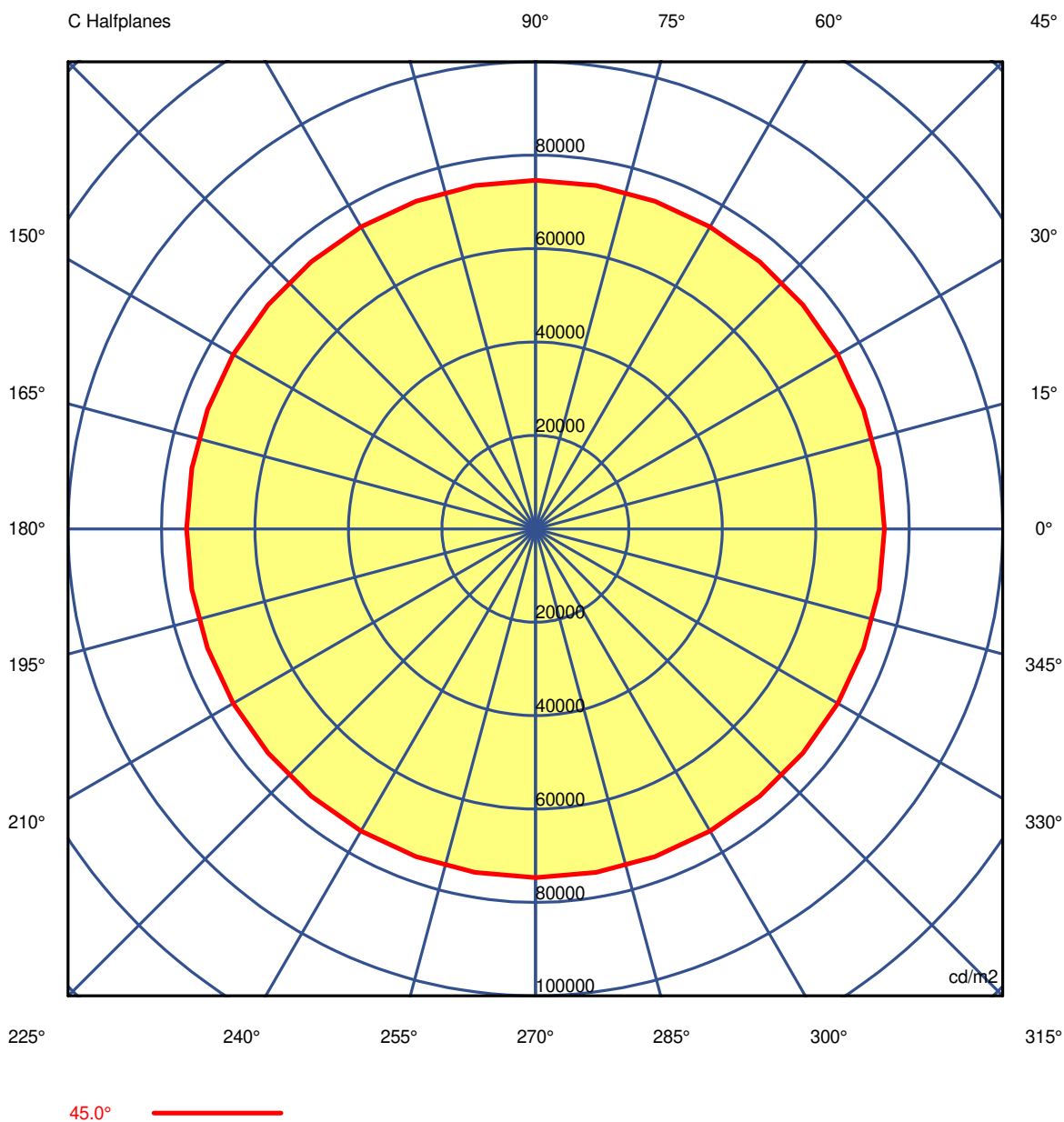
Code DE-0015-BLA  
Name LOGOS

**Measurem.**

Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy | 67.07 lm/W    | Efficiency | 100.00%         |
| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

Luminance



**Luminaire**

Code DE-0015-BLA  
Name LOGOS

**Measur.**

Code DE-0015-BLA  
Name LOGOS

| Luminaire Flux  |          | 281.70 lm |          | Luminaire Power |          | 4.20 W        |          | Efficacy |          | 67.07 lm/W    |          | Efficiency |          | 100.00%         |          |
|-----------------|----------|-----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|-----------------|----------|
| Sources Flux    |          | 281.70 lm |          | Maximum value   |          | 410.63 cd/klm |          | Position |          | C=0.00 G=0.00 |          | CG         |          | Rotosymmetrical |          |
| 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           | 92049.82 | 92049.82  | 92049.82 | 92049.82        | 92049.82 | 92049.82      | 92049.82 | 92049.82 | 92049.82 | 92049.82      | 92049.82 | 92049.82   | 92049.82 | 92049.82        | 92049.82 |
| G 5.0           | 91837.78 | 91837.78  | 91837.78 | 91837.78        | 91837.78 | 91837.78      | 91837.78 | 91837.78 | 91837.78 | 91837.78      | 91837.78 | 91837.78   | 91837.78 | 91837.78        | 91837.78 |
| G 10.0          | 91237.77 | 91237.77  | 91237.77 | 91237.77        | 91237.77 | 91237.77      | 91237.77 | 91237.77 | 91237.77 | 91237.77      | 91237.77 | 91237.77   | 91237.77 | 91237.77        | 91237.77 |
| G 15.0          | 90213.42 | 90213.42  | 90213.42 | 90213.42        | 90213.42 | 90213.42      | 90213.42 | 90213.42 | 90213.42 | 90213.42      | 90213.42 | 90213.42   | 90213.42 | 90213.42        | 90213.42 |
| G 20.0          | 88788.41 | 88788.41  | 88788.41 | 88788.41        | 88788.41 | 88788.41      | 88788.41 | 88788.41 | 88788.41 | 88788.41      | 88788.41 | 88788.41   | 88788.41 | 88788.41        | 88788.41 |
| G 25.0          | 86914.52 | 86914.52  | 86914.52 | 86914.52        | 86914.52 | 86914.52      | 86914.52 | 86914.52 | 86914.52 | 86914.52      | 86914.52 | 86914.52   | 86914.52 | 86914.52        | 86914.52 |
| G 30.0          | 84548.72 | 84548.72  | 84548.72 | 84548.72        | 84548.72 | 84548.72      | 84548.72 | 84548.72 | 84548.72 | 84548.72      | 84548.72 | 84548.72   | 84548.72 | 84548.72        | 84548.72 |
| G 35.0          | 81697.58 | 81697.58  | 81697.58 | 81697.58        | 81697.58 | 81697.58      | 81697.58 | 81697.58 | 81697.58 | 81697.58      | 81697.58 | 81697.58   | 81697.58 | 81697.58        | 81697.58 |
| G 40.0          | 78408.21 | 78408.21  | 78408.21 | 78408.21        | 78408.21 | 78408.21      | 78408.21 | 78408.21 | 78408.21 | 78408.21      | 78408.21 | 78408.21   | 78408.21 | 78408.21        | 78408.21 |
| G 45.0          | 74676.71 | 74676.71  | 74676.71 | 74676.71        | 74676.71 | 74676.71      | 74676.71 | 74676.71 | 74676.71 | 74676.71      | 74676.71 | 74676.71   | 74676.71 | 74676.71        | 74676.71 |
| G 50.0          | 70684.46 | 70684.46  | 70684.46 | 70684.46        | 70684.46 | 70684.46      | 70684.46 | 70684.46 | 70684.46 | 70684.46      | 70684.46 | 70684.46   | 70684.46 | 70684.46        | 70684.46 |
| G 55.0          | 66490.36 | 66490.36  | 66490.36 | 66490.36        | 66490.36 | 66490.36      | 66490.36 | 66490.36 | 66490.36 | 66490.36      | 66490.36 | 66490.36   | 66490.36 | 66490.36        | 66490.36 |
| G 60.0          | 61928.03 | 61928.03  | 61928.03 | 61928.03        | 61928.03 | 61928.03      | 61928.03 | 61928.03 | 61928.03 | 61928.03      | 61928.03 | 61928.03   | 61928.03 | 61928.03        | 61928.03 |
| G 65.0          | 56871.08 | 56871.08  | 56871.08 | 56871.08        | 56871.08 | 56871.08      | 56871.08 | 56871.08 | 56871.08 | 56871.08      | 56871.08 | 56871.08   | 56871.08 | 56871.08        | 56871.08 |
| G 70.0          | 50989.78 | 50989.78  | 50989.78 | 50989.78        | 50989.78 | 50989.78      | 50989.78 | 50989.78 | 50989.78 | 50989.78      | 50989.78 | 50989.78   | 50989.78 | 50989.78        | 50989.78 |
| G 75.0          | 43614.38 | 43614.38  | 43614.38 | 43614.38        | 43614.38 | 43614.38      | 43614.38 | 43614.38 | 43614.38 | 43614.38      | 43614.38 | 43614.38   | 43614.38 | 43614.38        | 43614.38 |
| G 80.0          | 33492.49 | 33492.49  | 33492.49 | 33492.49        | 33492.49 | 33492.49      | 33492.49 | 33492.49 | 33492.49 | 33492.49      | 33492.49 | 33492.49   | 33492.49 | 33492.49        | 33492.49 |
| G 85.0          | 18252.08 | 18252.08  | 18252.08 | 18252.08        | 18252.08 | 18252.08      | 18252.08 | 18252.08 | 18252.08 | 18252.08      | 18252.08 | 18252.08   | 18252.08 | 18252.08        | 18252.08 |
| 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 DE-0015-BLA  
Name LOGOS

**Measurment**

Code DE-0015-BLA  
Name LOGOS

| Luminaire Flux  |          | 281.70 lm |          | Luminaire Power |          | 4.20 W        |          | Efficacy |          | 67.07 lm/W    |          | Efficiency |          | 100.00%         |          |
|-----------------|----------|-----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|-----------------|----------|
| Sources Flux    |          | 281.70 lm |          | Maximum value   |          | 410.63 cd/klm |          | Position |          | C=0.00 G=0.00 |          | CG         |          | Rotosymmetrical |          |
| 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           | 92049.82 | 92049.82  | 92049.82 | 92049.82        | 92049.82 | 92049.82      | 92049.82 | 92049.82 | 92049.82 | 92049.82      | 92049.82 | 92049.82   | 92049.82 | 92049.82        | 92049.82 |
| G 5.0           | 91837.78 | 91837.78  | 91837.78 | 91837.78        | 91837.78 | 91837.78      | 91837.78 | 91837.78 | 91837.78 | 91837.78      | 91837.78 | 91837.78   | 91837.78 | 91837.78        | 91837.78 |
| G 10.0          | 91237.77 | 91237.77  | 91237.77 | 91237.77        | 91237.77 | 91237.77      | 91237.77 | 91237.77 | 91237.77 | 91237.77      | 91237.77 | 91237.77   | 91237.77 | 91237.77        | 91237.77 |
| G 15.0          | 90213.42 | 90213.42  | 90213.42 | 90213.42        | 90213.42 | 90213.42      | 90213.42 | 90213.42 | 90213.42 | 90213.42      | 90213.42 | 90213.42   | 90213.42 | 90213.42        | 90213.42 |
| G 20.0          | 88788.41 | 88788.41  | 88788.41 | 88788.41        | 88788.41 | 88788.41      | 88788.41 | 88788.41 | 88788.41 | 88788.41      | 88788.41 | 88788.41   | 88788.41 | 88788.41        | 88788.41 |
| G 25.0          | 86914.52 | 86914.52  | 86914.52 | 86914.52        | 86914.52 | 86914.52      | 86914.52 | 86914.52 | 86914.52 | 86914.52      | 86914.52 | 86914.52   | 86914.52 | 86914.52        | 86914.52 |
| G 30.0          | 84548.72 | 84548.72  | 84548.72 | 84548.72        | 84548.72 | 84548.72      | 84548.72 | 84548.72 | 84548.72 | 84548.72      | 84548.72 | 84548.72   | 84548.72 | 84548.72        | 84548.72 |
| G 35.0          | 81697.58 | 81697.58  | 81697.58 | 81697.58        | 81697.58 | 81697.58      | 81697.58 | 81697.58 | 81697.58 | 81697.58      | 81697.58 | 81697.58   | 81697.58 | 81697.58        | 81697.58 |
| G 40.0          | 78408.21 | 78408.21  | 78408.21 | 78408.21        | 78408.21 | 78408.21      | 78408.21 | 78408.21 | 78408.21 | 78408.21      | 78408.21 | 78408.21   | 78408.21 | 78408.21        | 78408.21 |
| G 45.0          | 74676.71 | 74676.71  | 74676.71 | 74676.71        | 74676.71 | 74676.71      | 74676.71 | 74676.71 | 74676.71 | 74676.71      | 74676.71 | 74676.71   | 74676.71 | 74676.71        | 74676.71 |
| G 50.0          | 70684.46 | 70684.46  | 70684.46 | 70684.46        | 70684.46 | 70684.46      | 70684.46 | 70684.46 | 70684.46 | 70684.46      | 70684.46 | 70684.46   | 70684.46 | 70684.46        | 70684.46 |
| G 55.0          | 66490.36 | 66490.36  | 66490.36 | 66490.36        | 66490.36 | 66490.36      | 66490.36 | 66490.36 | 66490.36 | 66490.36      | 66490.36 | 66490.36   | 66490.36 | 66490.36        | 66490.36 |
| G 60.0          | 61928.03 | 61928.03  | 61928.03 | 61928.03        | 61928.03 | 61928.03      | 61928.03 | 61928.03 | 61928.03 | 61928.03      | 61928.03 | 61928.03   | 61928.03 | 61928.03        | 61928.03 |
| G 65.0          | 56871.08 | 56871.08  | 56871.08 | 56871.08        | 56871.08 | 56871.08      | 56871.08 | 56871.08 | 56871.08 | 56871.08      | 56871.08 | 56871.08   | 56871.08 | 56871.08        | 56871.08 |
| G 70.0          | 50989.78 | 50989.78  | 50989.78 | 50989.78        | 50989.78 | 50989.78      | 50989.78 | 50989.78 | 50989.78 | 50989.78      | 50989.78 | 50989.78   | 50989.78 | 50989.78        | 50989.78 |
| G 75.0          | 43614.38 | 43614.38  | 43614.38 | 43614.38        | 43614.38 | 43614.38      | 43614.38 | 43614.38 | 43614.38 | 43614.38      | 43614.38 | 43614.38   | 43614.38 | 43614.38        | 43614.38 |
| G 80.0          | 33492.49 | 33492.49  | 33492.49 | 33492.49        | 33492.49 | 33492.49      | 33492.49 | 33492.49 | 33492.49 | 33492.49      | 33492.49 | 33492.49   | 33492.49 | 33492.49        | 33492.49 |
| G 85.0          | 18252.08 | 18252.08  | 18252.08 | 18252.08        | 18252.08 | 18252.08      | 18252.08 | 18252.08 | 18252.08 | 18252.08      | 18252.08 | 18252.08   | 18252.08 | 18252.08        | 18252.08 |
| 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 DE-0015-BLA  
Name LOGOS

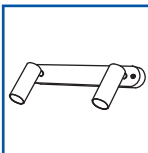
**Measurem.**

Code DE-0015-BLA  
Name LOGOS

|                |           |                 |               |          |               |            |                 |
|----------------|-----------|-----------------|---------------|----------|---------------|------------|-----------------|
| Luminaire Flux | 281.70 lm | Luminaire Power | 4.20 W        | Efficacy | 67.07 lm/W    | Efficiency | 100.00%         |
| Sources Flux   | 281.70 lm | Maximum value   | 410.63 cd/klm | Position | C=0.00 G=0.00 | CG         | Rotosymmetrical |

**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  | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 | 92049.82 |
| G 5.0  | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 | 91837.78 |
| G 10.0 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 | 91237.77 |
| G 15.0 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 | 90213.42 |
| G 20.0 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 | 88788.41 |
| G 25.0 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 | 86914.52 |
| G 30.0 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 | 84548.72 |
| G 35.0 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 | 81697.58 |
| G 40.0 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 | 78408.21 |
| G 45.0 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 | 74676.71 |
| G 50.0 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 | 70684.46 |
| G 55.0 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 | 66490.36 |
| G 60.0 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 | 61928.03 |
| G 65.0 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 | 56871.08 |
| G 70.0 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 | 50989.78 |
| G 75.0 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 | 43614.38 |
| G 80.0 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 | 33492.49 |
| G 85.0 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 | 18252.08 |
| G 90.0 | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     | 0.00     |



**Logos**  
DE-0015

**FOR**  
LIGHT

