

**DE-0182-NEG**

Pendant IP20 Pray 60W Black

**TECHNICAL FEATURES**



Luminaire total power : 60W

Structure material : Steel

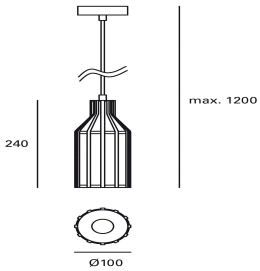
Structure finish : Black

Max. size of light bulb : 130/85 mm

Voltage / frequency : 100-240V ~ 50/60Hz

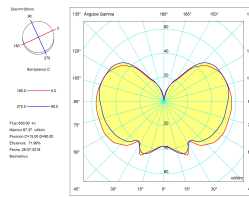
Warranty : 3 Years

Easily recyclable luminaire



**LUMINOTECHNIC FEATURES**

Lampholder	Quantity	Light source power (W)	Correlated Colour Temperature (CCT)
-	1	60W	-



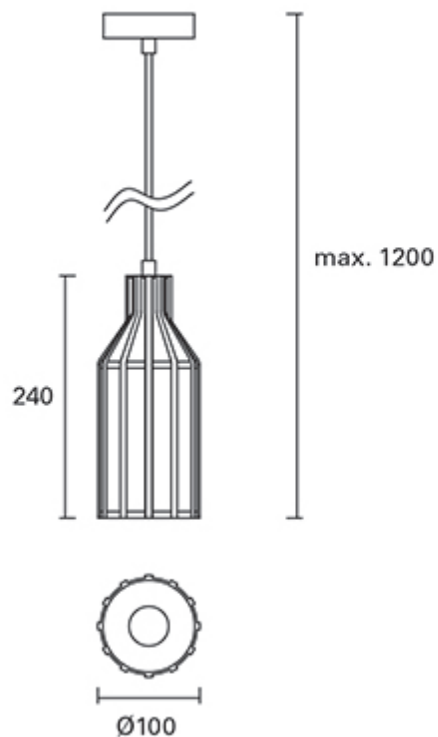
**LOGISTICS**

Net weight (kg): 0.6

Packaged weight (kg): 0.76

Packaging: 110mm x 110mm x 330mm





**Luminaire**

Code DE-0182-NEG  
Name Colgante FORLIGHT 60W E27

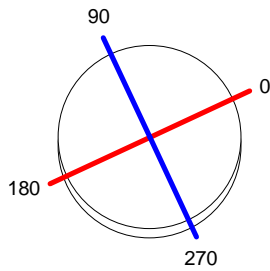
**Measur.**

Code DE-0182-NEG  
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG Double Symmetrical	
Round Luminaire Round Luminous Area		Diam.	100 mm	Height	240 mm		
		Diam.	100 mm	Height	120 mm		
Horizontal Luminous Area		0.007854 m2		Emitting area on Plane 180°		0.012000 m2	
Emitting area on Plane 0°		0.012000 m2		Emitting area on Plane 270°		0.012000 m2	
Emitting area on Plane 90°		0.012000 m2		Glare area at 76°		0.013544 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		29-07-2016		Maximum Gamma Angle		180	
Measurement Distance		0.00		Measurement Flux		630.00 lm	
Operator		Asselum T2		Source Voltage [V]			
Temperature		25.00 °C		Source current [A]			
Humidity		60.00 %		Photocell			
Notes							

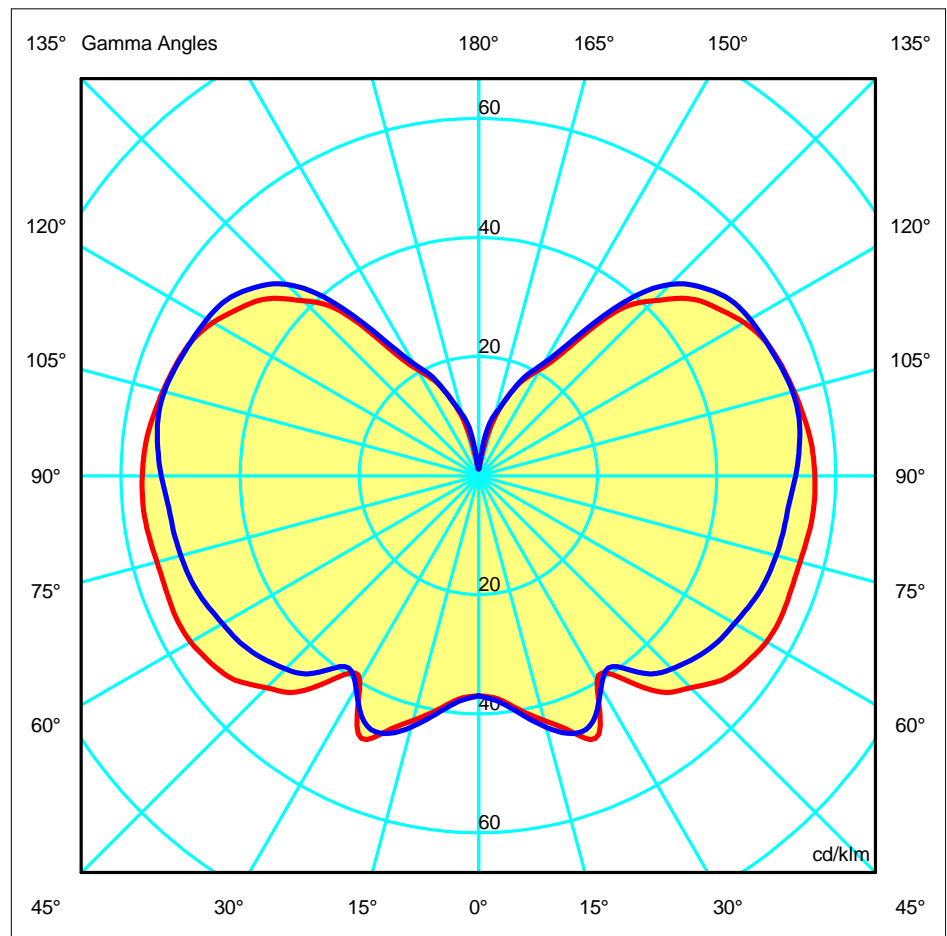
Line	Luminaire Lamps					
	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	ECOCClassic 42W 230	ECOCClassic 42W 230	630.00	42.00	1	
C.I.E.	19 44 72 53 72		D DIN 5040	C11		
F UTE	0.38 J + 0.34 T		B NBN	BZ 9		

Diam=100mm



C Halfplanes  
180.0 — 0.0  
270.0 — 90.0

ULOR 33.77 %  
DLOR 38.22 %  
RN 46.91 %





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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

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

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	36.99	36.99	36.99	36.99	36.99	36.99	36.99
G 5.0	37.65	37.76	37.83	37.91	38.01	38.18	38.05
G 10.0	39.95	39.95	40.02	40.01	40.49	40.95	40.59
G 15.0	42.55	42.67	42.42	42.20	43.19	43.44	43.71
G 20.0	45.78	45.34	45.09	44.53	45.63	46.07	46.09
G 25.0	47.84	47.19	45.88	45.65	45.68	47.47	45.52
G 30.0	39.83	42.14	38.44	39.90	39.37	41.81	41.13
G 35.0	41.41	53.16	40.18	52.75	39.67	54.59	39.13
G 40.0	47.43	64.19	44.32	61.05	44.38	64.16	43.36
G 45.0	50.36	70.12	46.76	66.53	47.20	70.00	45.86
G 50.0	53.37	74.98	48.84	70.59	49.13	74.27	47.56
G 55.0	54.84	79.43	50.55	74.09	50.59	78.12	48.86
G 60.0	55.82	82.37	51.52	76.66	51.36	80.41	49.63
G 65.0	56.08	83.87	52.42	78.58	52.02	82.51	50.60
G 70.0	55.88	84.38	52.61	79.61	52.40	83.92	51.34
G 75.0	55.89	84.71	52.91	80.36	52.61	84.88	51.75
G 80.0	56.28	85.55	53.13	79.97	52.85	85.10	52.05
G 85.0	56.54	86.77	53.67	80.68	53.25	85.44	52.37
G 90.0	56.46	87.37	54.09	80.83	53.79	85.61	53.27
G 95.0	56.19	86.93	54.28	80.49	54.15	85.63	54.06
G100.0	55.57	85.58	54.02	79.76	54.40	85.26	54.66
G105.0	54.84	83.75	53.74	78.69	53.99	84.59	54.61
G110.0	54.13	82.38	53.29	77.26	53.70	82.10	53.98
G115.0	53.24	80.57	52.62	75.22	53.22	79.66	53.28
G120.0	51.48	77.49	51.18	72.00	52.43	76.04	52.61
G125.0	49.02	73.01	49.34	67.86	51.10	71.81	51.56
G130.0	46.27	67.30	46.42	62.36	48.45	66.55	49.18
G135.0	41.55	59.71	42.51	55.92	44.74	59.47	45.46
G140.0	36.23	48.76	36.20	46.19	37.33	49.13	38.12
G145.0	26.09	33.52	26.77	33.27	27.50	34.20	28.14
G150.0	20.64	24.52	20.94	22.68	21.19	23.87	21.68
G155.0	17.70	19.72	17.92	18.75	17.98	19.19	18.32
G160.0	13.95	13.89	13.74	13.66	13.58	14.13	13.78
G165.0	9.58	9.49	9.43	9.75	9.77	10.37	10.69
G170.0	4.39	4.57	4.74	5.21	6.57	7.20	7.22
G175.0	1.16	1.31	1.16	1.95	1.32	3.16	1.56
G180.0	1.14	1.09	1.09	1.06	1.08	1.14	1.14

**Luminaire**

Code DE-0182-NEG  
 Name Colgante FORLIGHT 60W E27

**Measur.**

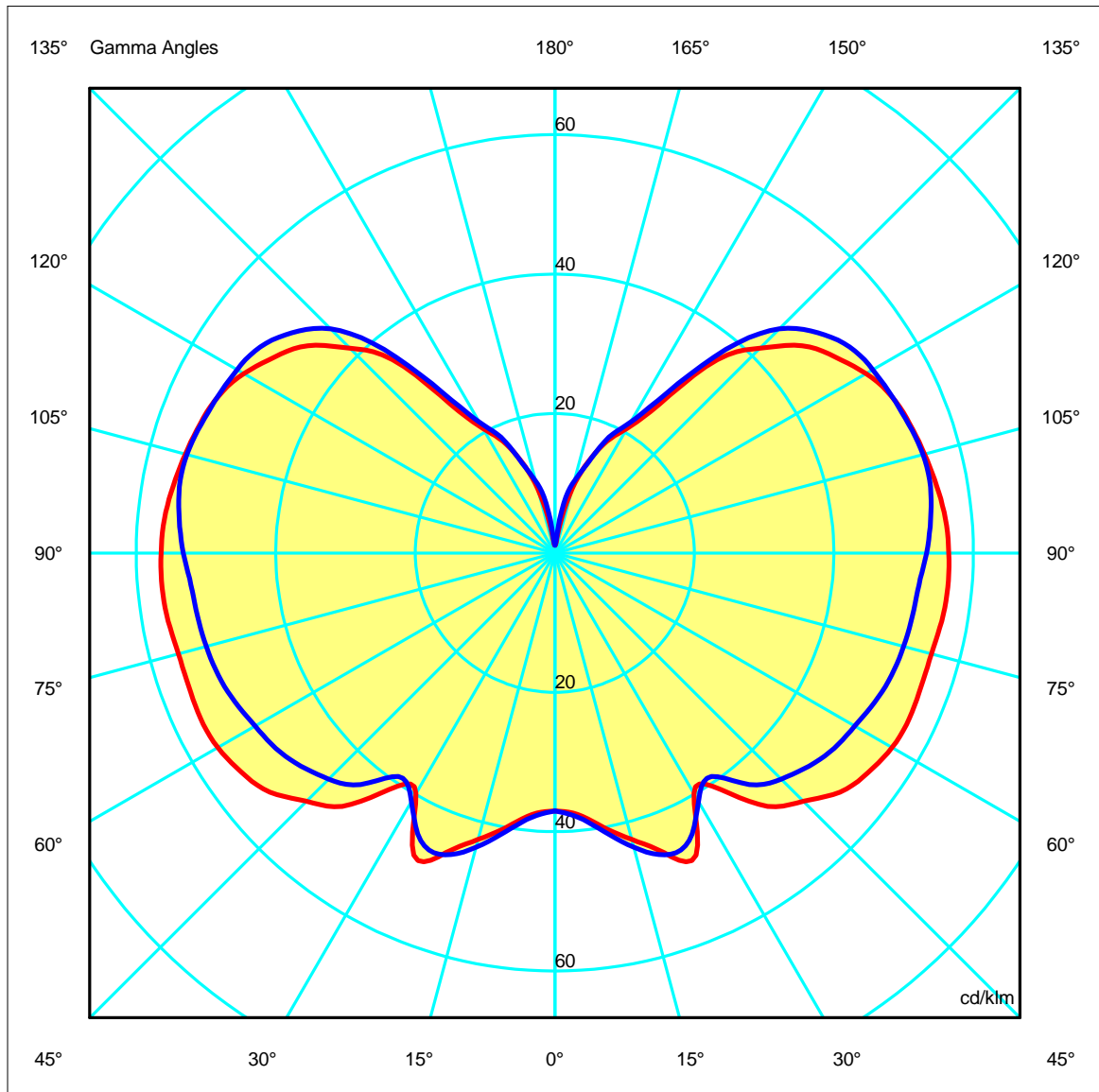
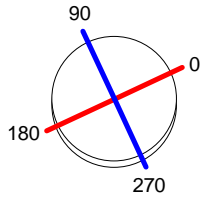
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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Diam=100mm

C Halfplanes

180.0 ——— 0.0  
 270.0 ——— 90.0





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**Measurem.**

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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

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Right beam angle not found, gamma = 86

Right beam angle not found, gamma = 86

Right beam angle not found, gamma = 86



**Luminaire**

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**Measurement**

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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

**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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	13.2	14.3	14.1	15.2	16.1	13.1	14.1	13.9	15.0	16.1
x=2H y=3H	16.3	17.2	17.2	18.1	19.1	16.1	17.0	17.0	18.0	19.1
x=2H y=4H	17.7	18.6	18.6	19.5	20.6	17.6	18.5	18.5	19.4	20.6
x=2H y=6H	19.0	19.9	19.9	20.8	21.8	18.9	19.7	19.8	20.6	21.8
x=2H y=8H	19.6	20.4	20.5	21.4	22.4	19.4	20.2	20.4	21.2	22.4
x=2H y=12H	20.2	20.9	21.1	21.9	22.9	19.9	20.7	20.9	21.6	22.9
x=4H y=2H	14.1	15.0	15.0	15.9	17.0	14.0	14.9	14.9	15.8	17.0
x=4H y=3H	17.0	17.8	17.9	18.7	19.8	16.9	17.7	17.8	18.6	19.8
x=4H y=4H	18.6	19.3	19.5	20.3	21.4	18.5	19.2	19.4	20.2	21.4
x=4H y=6H	20.3	20.9	21.3	21.9	23.1	20.2	20.8	21.2	21.8	23.1
x=4H y=8H	21.1	21.7	22.1	22.7	23.9	21.0	21.6	22.0	22.6	23.9
x=4H y=12H	21.9	22.4	22.8	23.4	24.5	21.7	22.2	22.7	23.2	24.5
x=8H y=4H	19.1	19.7	20.1	20.7	21.9	19.1	19.6	20.0	20.6	21.9
x=8H y=6H	20.9	21.4	21.9	22.4	23.6	20.8	21.3	21.8	22.3	23.6
x=8H y=8H	21.9	22.3	22.9	23.3	24.5	21.8	22.2	22.8	23.2	24.5
x=8H y=12H	22.9	23.3	23.9	24.3	25.5	22.8	23.2	23.8	24.2	25.5
x=12H y=4H	19.2	19.7	20.2	20.7	21.9	19.1	19.7	20.1	20.7	21.9
x=12H y=6H	21.1	21.6	22.1	22.6	23.8	21.0	21.5	22.0	22.5	23.8
x=12H y=8H	22.1	22.5	23.1	23.5	24.8	22.0	22.4	23.0	23.4	24.8

**Luminaire**

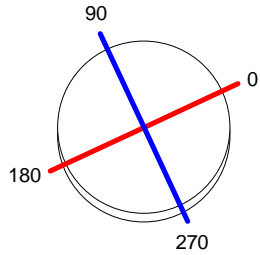
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Diam=100mm



C Halfplanes

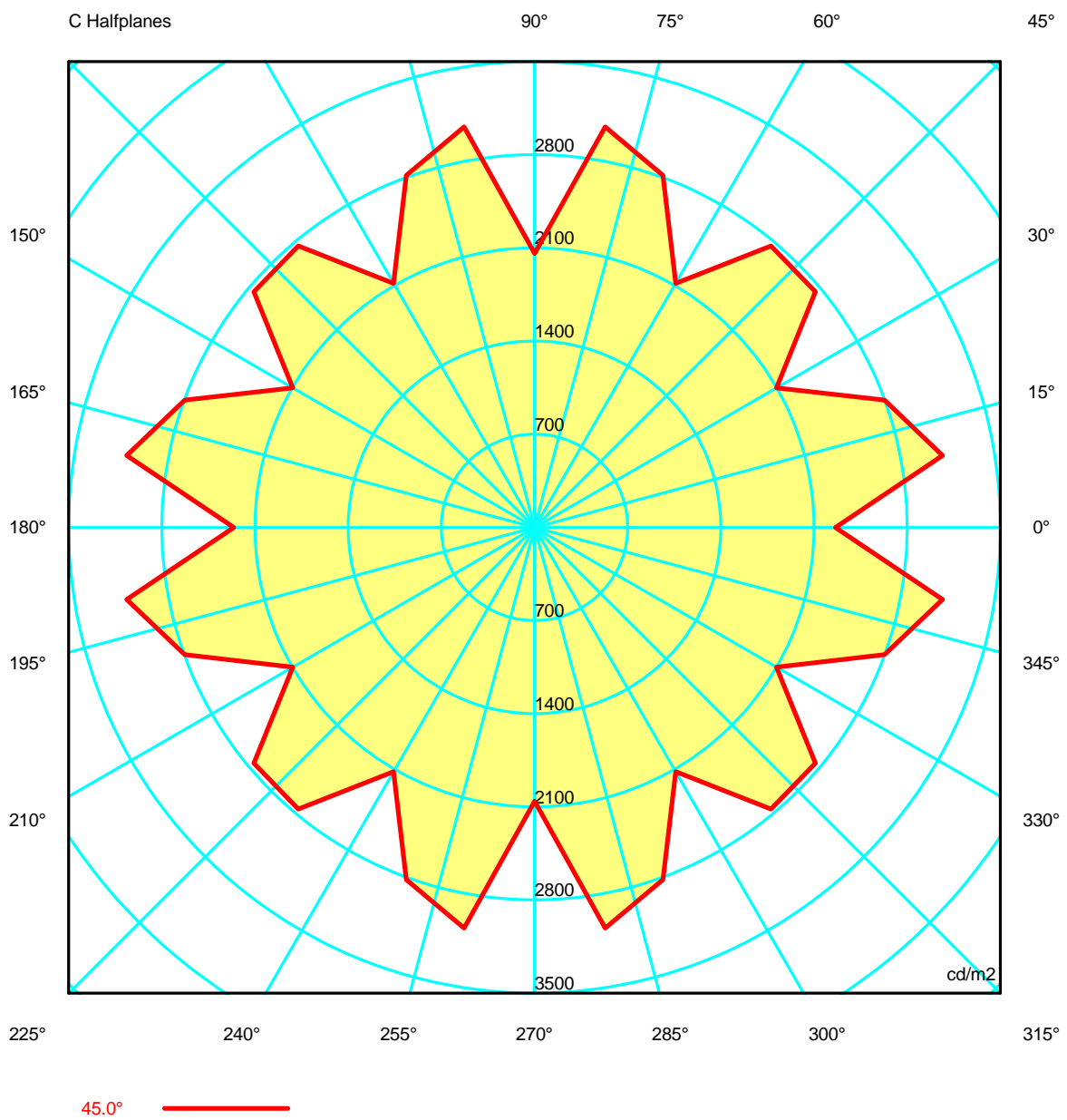
180.0 ———— 0.0  
 270.0 ———— 90.0



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Luminance





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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

**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	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2674.40	2679.70	2683.52	2686.57	2690.76	2694.49	2699.70	2709.05	2710.83	2702.39	2710.83	2709.05	2699.70
G 10.0	2563.51	2563.61	2565.44	2567.84	2567.48	2573.99	2597.75	2622.42	2624.98	2604.37	2624.98	2622.42	2597.75
G 15.0	2507.39	2513.57	2512.14	2499.29	2483.20	2502.33	2544.55	2557.94	2562.93	2575.46	2562.93	2557.94	2544.55
G 20.0	2511.21	2493.01	2484.46	2473.62	2445.67	2456.24	2502.88	2524.42	2527.41	2528.14	2527.41	2524.42	2502.88
G 25.0	2472.29	2455.16	2415.41	2371.22	2361.82	2352.37	2360.70	2432.14	2441.37	2352.39	2441.37	2432.14	2360.70
G 30.0	1959.96	2073.10	2019.00	1891.52	1933.26	1959.96	1937.45	2017.87	2066.63	2024.03	2066.63	2017.87	1937.45
G 35.0	1958.98	2489.53	2304.65	1901.07	2352.19	2329.61	1876.76	2356.53	2528.14	1851.45	2528.14	2356.53	1876.76
G 40.0	2176.45	2915.42	2641.27	2033.62	2603.16	2601.13	2036.52	2655.93	2869.83	1989.61	2869.83	2655.93	2036.52
G 45.0	2259.72	3111.78	2797.49	2098.51	2754.68	2761.47	2118.31	2816.40	3056.69	2058.09	3056.69	2816.40	2118.31
G 50.0	2360.84	3282.94	2931.27	2160.42	2872.03	2877.28	2173.39	2932.25	3192.98	2103.78	3192.98	2932.25	2173.39
G 55.0	2410.18	3445.36	3071.99	2221.76	2985.83	2988.33	2223.45	3048.98	3332.21	2147.24	3332.21	3048.98	2223.45
G 60.0	2455.76	3572.47	3176.96	2266.66	3083.76	3085.16	2259.83	3129.33	3432.78	2183.75	3432.78	3129.33	2259.83
G 65.0	2488.88	3662.96	3262.36	2326.38	3187.36	3180.67	2308.69	3228.58	3554.77	2245.58	3554.77	3228.58	2308.69
G 70.0	2521.38	3742.82	3333.94	2373.92	3278.72	3272.20	2364.31	3330.79	3677.92	2316.58	3677.92	3330.79	2364.31
G 75.0	2584.48	3848.87	3430.43	2446.52	3391.88	3380.28	2433.03	3446.68	3812.84	2392.84	3812.84	3446.68	2433.03
G 80.0	2690.04	4015.71	3581.01	2539.33	3490.15	3481.94	2526.04	3575.41	3950.82	2487.55	3950.82	3575.41	2526.04
G 85.0	2818.32	4242.40	3787.76	2675.28	3671.45	3664.44	2654.20	3745.44	4137.85	2610.58	4137.85	3745.44	2654.20
G 90.0	2964.01	4491.75	4022.15	2839.58	3875.10	3874.72	2823.90	3958.58	4372.69	2796.42	4372.69	3958.58	2823.90



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**Measurment**

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Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

**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	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2694.49	2690.76	2686.57	2683.52	2679.70	2674.40	2679.70	2683.52	2686.57	2690.76	2694.49	2699.70	2709.05
G 10.0	2573.99	2567.48	2567.84	2565.44	2563.61	2563.51	2563.61	2565.44	2567.84	2567.48	2573.99	2597.75	2622.42
G 15.0	2502.33	2483.20	2499.29	2512.14	2513.57	2507.39	2513.57	2512.14	2499.29	2483.20	2502.33	2544.55	2557.94
G 20.0	2456.24	2445.67	2473.62	2484.46	2493.01	2511.21	2493.01	2484.46	2473.62	2445.67	2456.24	2502.88	2524.42
G 25.0	2352.37	2361.82	2371.22	2415.41	2455.16	2472.29	2455.16	2415.41	2371.22	2361.82	2352.37	2360.70	2432.14
G 30.0	1959.96	1933.26	1891.52	2019.00	2073.10	1959.96	2073.10	2019.00	1891.52	1933.26	1959.96	1937.45	2017.87
G 35.0	2329.61	2352.19	1901.07	2304.65	2489.53	1958.98	2489.53	2304.65	1901.07	2352.19	2329.61	1876.76	2356.53
G 40.0	2601.13	2603.16	2033.62	2641.27	2915.42	2176.45	2915.42	2641.27	2033.62	2603.16	2601.13	2036.52	2655.93
G 45.0	2761.47	2754.68	2098.51	2797.49	3111.78	2259.72	3111.78	2797.49	2098.51	2754.68	2761.47	2118.31	2816.40
G 50.0	2877.28	2872.03	2160.42	2931.27	3282.94	2360.84	3282.94	2931.27	2160.42	2872.03	2877.28	2173.39	2932.25
G 55.0	2988.33	2985.83	2221.76	3071.99	3445.36	2410.18	3445.36	3071.99	2221.76	2985.83	2988.33	2223.45	3048.98
G 60.0	3085.16	3083.76	2266.66	3176.96	3572.47	2455.76	3572.47	3176.96	2266.66	3083.76	3085.16	2259.83	3129.33
G 65.0	3180.67	3187.36	2326.38	3262.36	3662.96	2488.88	3662.96	3262.36	2326.38	3187.36	3180.67	2308.69	3228.58
G 70.0	3272.20	3278.72	2373.92	3333.94	3742.82	2521.38	3742.82	3333.94	2373.92	3278.72	3272.20	2364.31	3330.79
G 75.0	3380.28	3391.88	2446.52	3430.43	3848.87	2584.48	3848.87	3430.43	2446.52	3391.88	3380.28	2433.03	3446.68
G 80.0	3481.94	3490.15	2539.33	3581.01	4015.71	2690.04	4015.71	3581.01	2539.33	3490.15	3481.94	2526.04	3575.41
G 85.0	3664.44	3671.45	2675.28	3787.76	4242.40	2818.32	4242.40	3787.76	2675.28	3671.45	3664.44	2654.20	3745.44
G 90.0	3874.72	3875.10	2839.58	4022.15	4491.75	2964.01	4491.75	4022.15	2839.58	3875.10	3874.72	2823.90	3958.58



**Luminaire**

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**Measurment**

Code DE-0182-NEG  
Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

**Luminance cd/m2 Table 3/3**

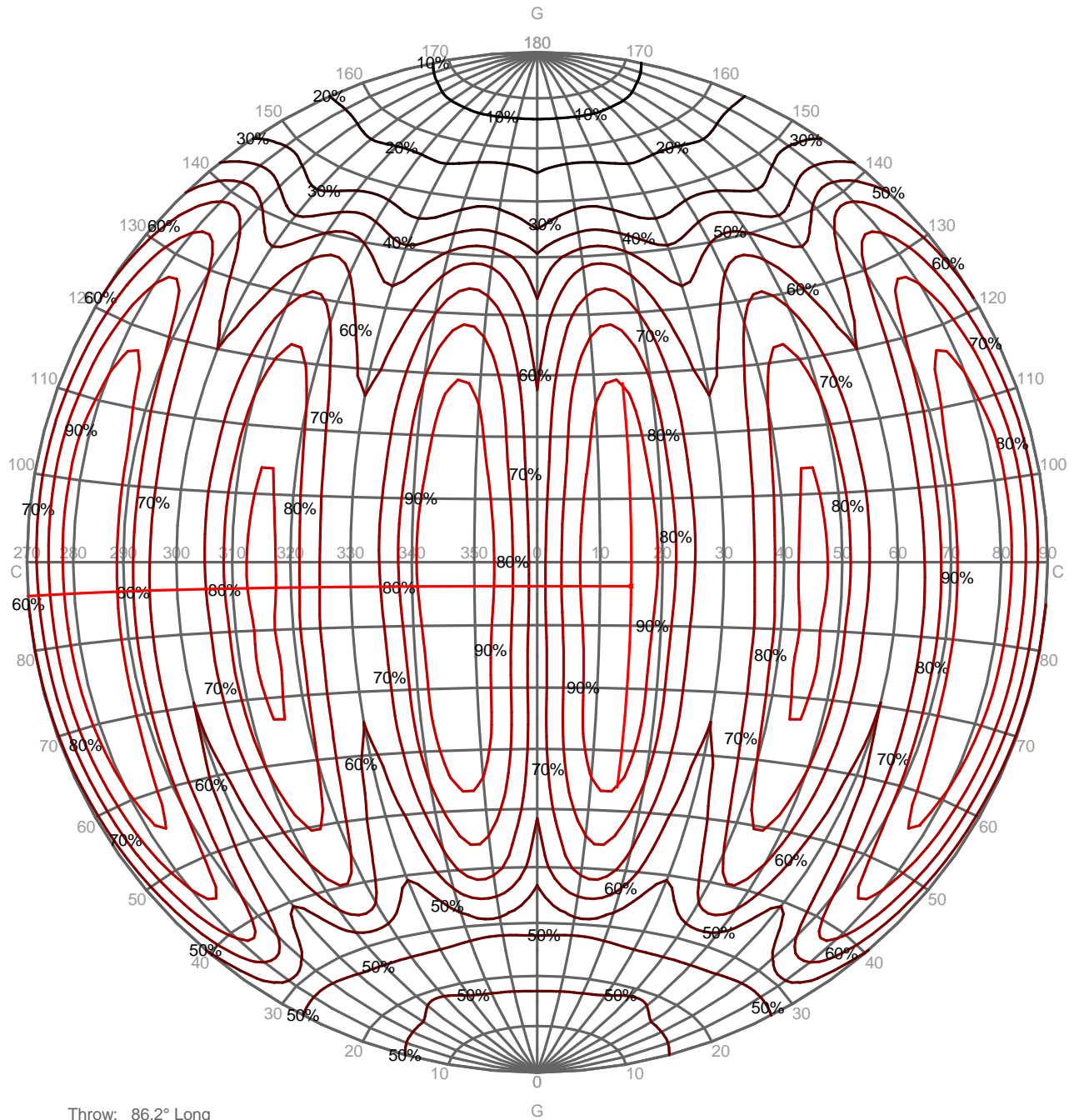
	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03	2967.03
G 5.0	2710.83	2702.39	2710.83	2709.05	2699.70	2694.49	2690.76	2686.57	2683.52	2679.70
G 10.0	2624.98	2604.37	2624.98	2622.42	2597.75	2573.99	2567.48	2567.84	2565.44	2563.61
G 15.0	2562.93	2575.46	2562.93	2557.94	2544.55	2502.33	2483.20	2499.29	2512.14	2513.57
G 20.0	2527.41	2528.14	2527.41	2524.42	2502.88	2456.24	2445.67	2473.62	2484.46	2493.01
G 25.0	2441.37	2352.39	2441.37	2432.14	2360.70	2352.37	2361.82	2371.22	2415.41	2455.16
G 30.0	2066.63	2024.03	2066.63	2017.87	1937.45	1959.96	1933.26	1891.52	2019.00	2073.10
G 35.0	2528.14	1851.45	2528.14	2356.53	1876.76	2329.61	2352.19	1901.07	2304.65	2489.53
G 40.0	2869.83	1989.61	2869.83	2655.93	2036.52	2601.13	2603.16	2033.62	2641.27	2915.42
G 45.0	3056.69	2058.09	3056.69	2816.40	2118.31	2761.47	2754.68	2098.51	2797.49	3111.78
G 50.0	3192.98	2103.78	3192.98	2932.25	2173.39	2877.28	2872.03	2160.42	2931.27	3282.94
G 55.0	3332.21	2147.24	3332.21	3048.98	2223.45	2988.33	2985.83	2221.76	3071.99	3445.36
G 60.0	3432.78	2183.75	3432.78	3129.33	2259.83	3085.16	3083.76	2266.66	3176.96	3572.47
G 65.0	3554.77	2245.58	3554.77	3228.58	2308.69	3180.67	3187.36	2326.38	3262.36	3662.96
G 70.0	3677.92	2316.58	3677.92	3330.79	2364.31	3272.20	3278.72	2373.92	3333.94	3742.82
G 75.0	3812.84	2392.84	3812.84	3446.68	2433.03	3380.28	3391.88	2446.52	3430.43	3848.87
G 80.0	3950.82	2487.55	3950.82	3575.41	2526.04	3481.94	3490.15	2539.33	3581.01	4015.71
G 85.0	4137.85	2610.58	4137.85	3745.44	2654.20	3664.44	3671.45	2675.28	3787.76	4242.40
G 90.0	4372.69	2796.42	4372.69	3958.58	2823.90	3874.72	3875.10	2839.58	4022.15	4491.75

**Luminaire**  
 Code DE-0182-NEG  
 Name Colgante FORLIGHT 60W E27  
**Measur.**  
 Code DE-0182-NEG  
 Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

**PERCENTAGE ISOCANDLES**

Projection: Equal Area Tilting Angle:0°

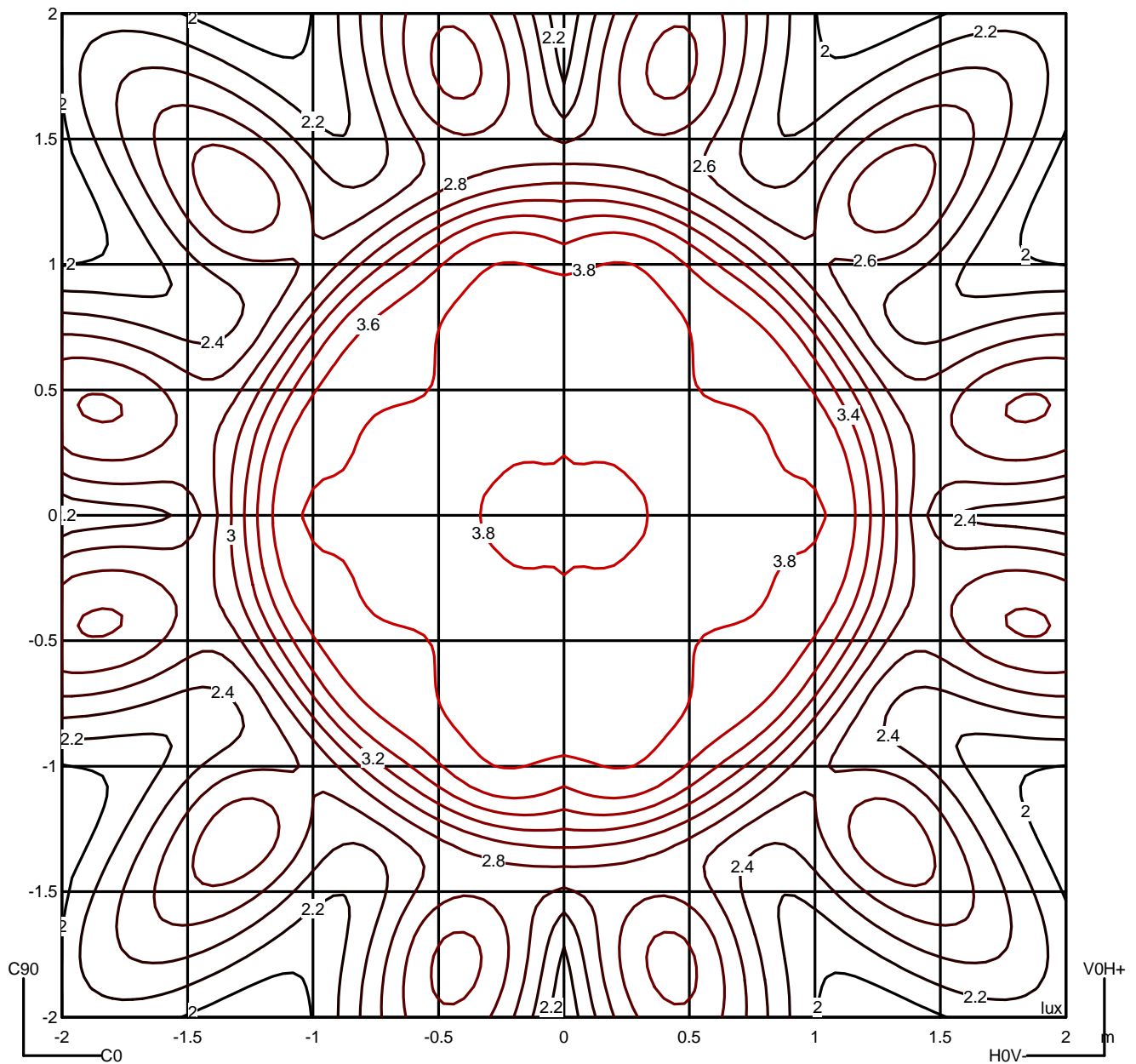


**Luminaire**  
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Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

Isolux (Floor)

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



**Luminaire**

Code DE-0182-NEG  
 Name Colgante FORLIGHT 60W E27

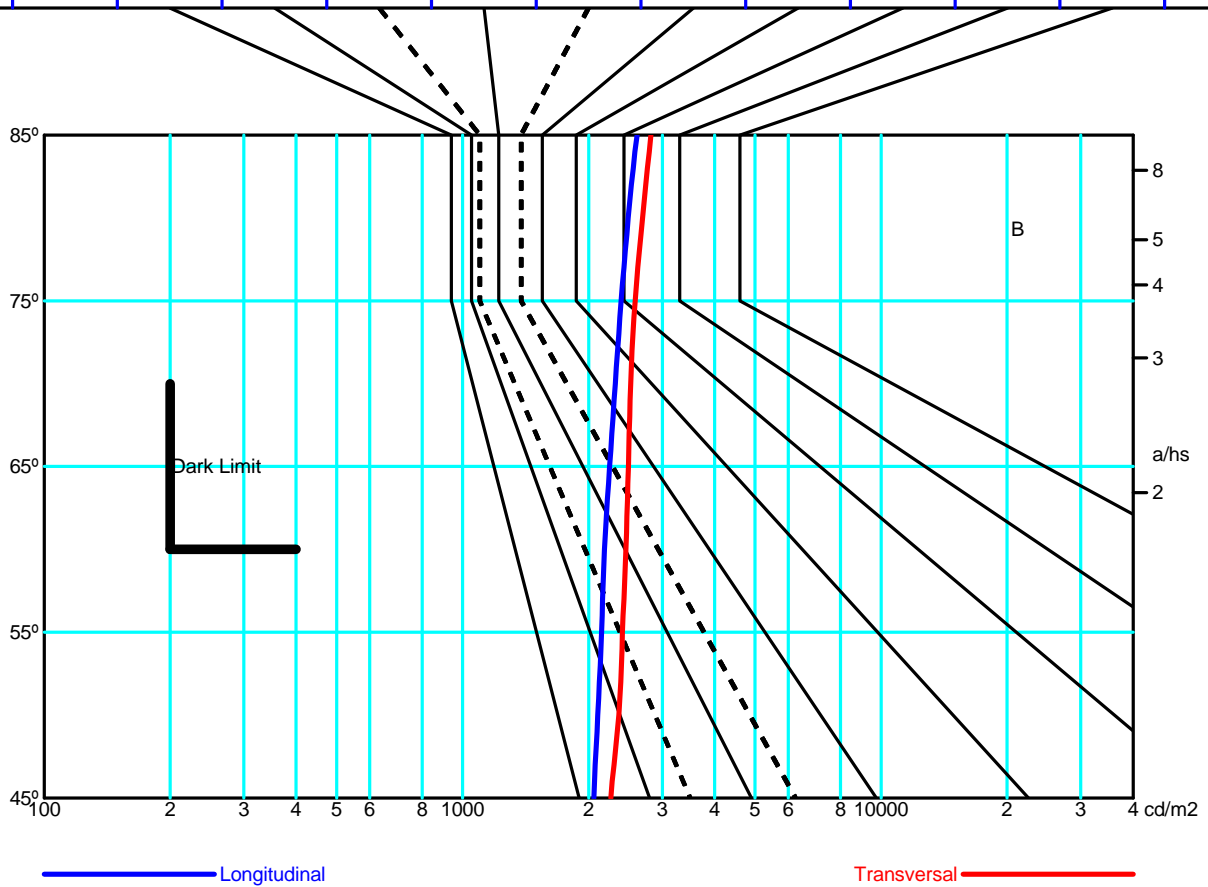
**Measur.**

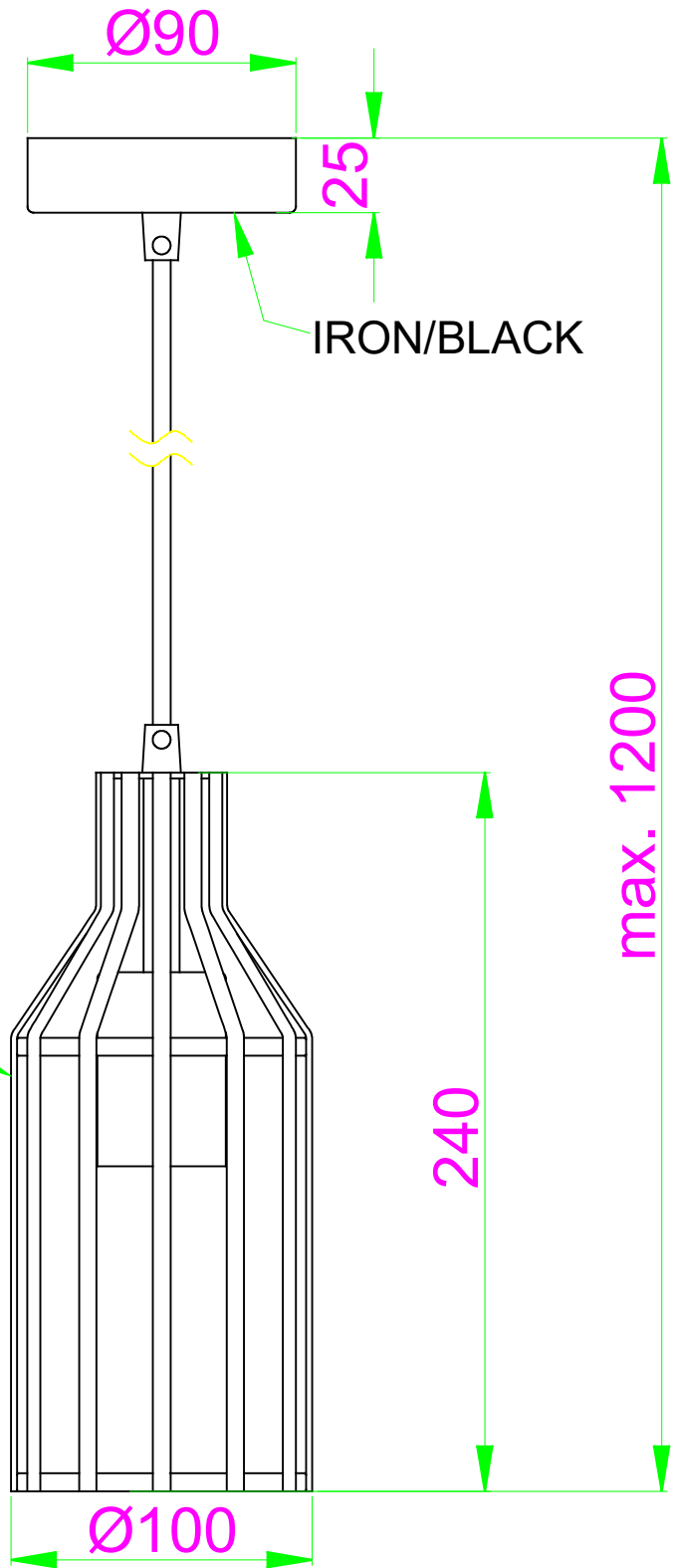
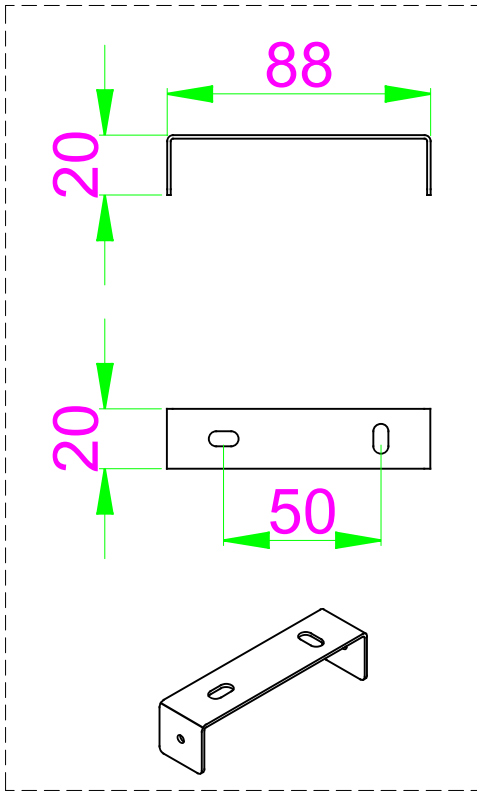
Code DE-0182-NEG  
 Name Colgante FORLIGHT 60W E27

Luminaire Flux	453.53 lm	Luminaire Power	42.00 W	Efficacy	10.80 lm/W	Efficiency	71.99%
Lamps Flux	630.00 lm	Maximum value	87.37 cd/klm	Position	C=15.00 G=90.00	CG	Double Symmetrical

		Average Luminance [cd/m <sup>2</sup> ]									
		45°	50°	55°	60°	65°	70°	75°	80°	85°	
0.0°		2260	2361	2410	2456	2489	2521	2584	2690	2818	---
90.0°		2058	2104	2147	2184	2246	2317	2393	2488	2611	---

Flush mounted or transversal view												
		Illumination(Ix)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55





IRON/BLACK

IRON/BLACK

max. 1200

