

Report No.: MSL-217

Test Time: 2020-02-18 11:13

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Lum Stil Led Bala Recessada 36W Nvo. Diseño

Luminous Length (mm): 180 Diametro

Luminous Width (mm): 180 Diametro

Voltage: 119.9 V

Current: 0.308 A

Power: 36.75 W

Power Factor: 0.994

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3894.0 lm

Measurement Flux: 3894 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 146.1, 146.0, 146.0, 146.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 90.1, 89.7, 90.0, 90.1

Luminaire Efficacy Rating (LER): 106.01

Central Intensity: 1823.33 cd

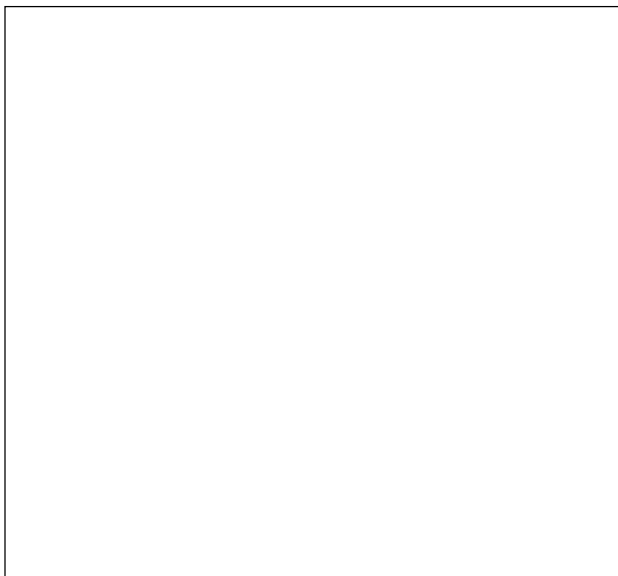
Max. Intensity: 1823.33 cd

Pos of Max. Intensity: H0 V0

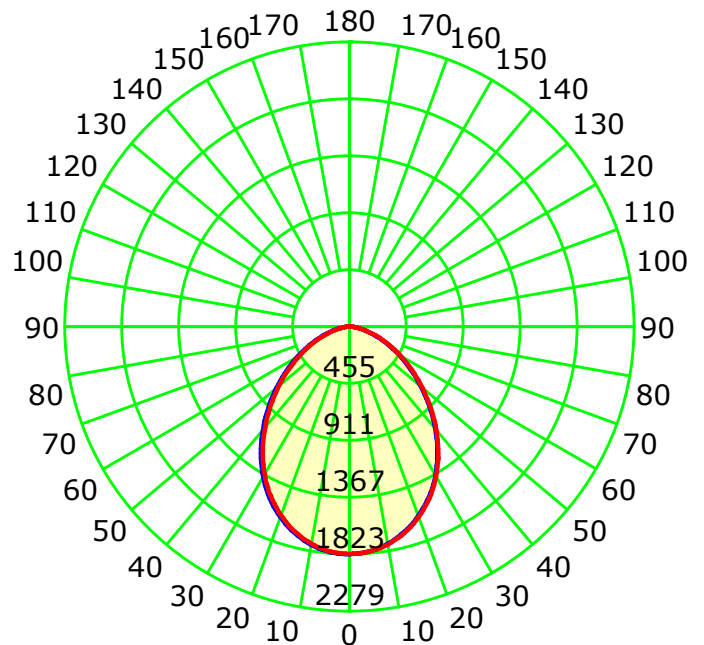
S/MH(C0/C180): 1.14

S/MH(C90/C270): 1.14

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Test Lab: LABORATORIO STAND

Test Type: TYPE C

Temperature: 24.7

Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0

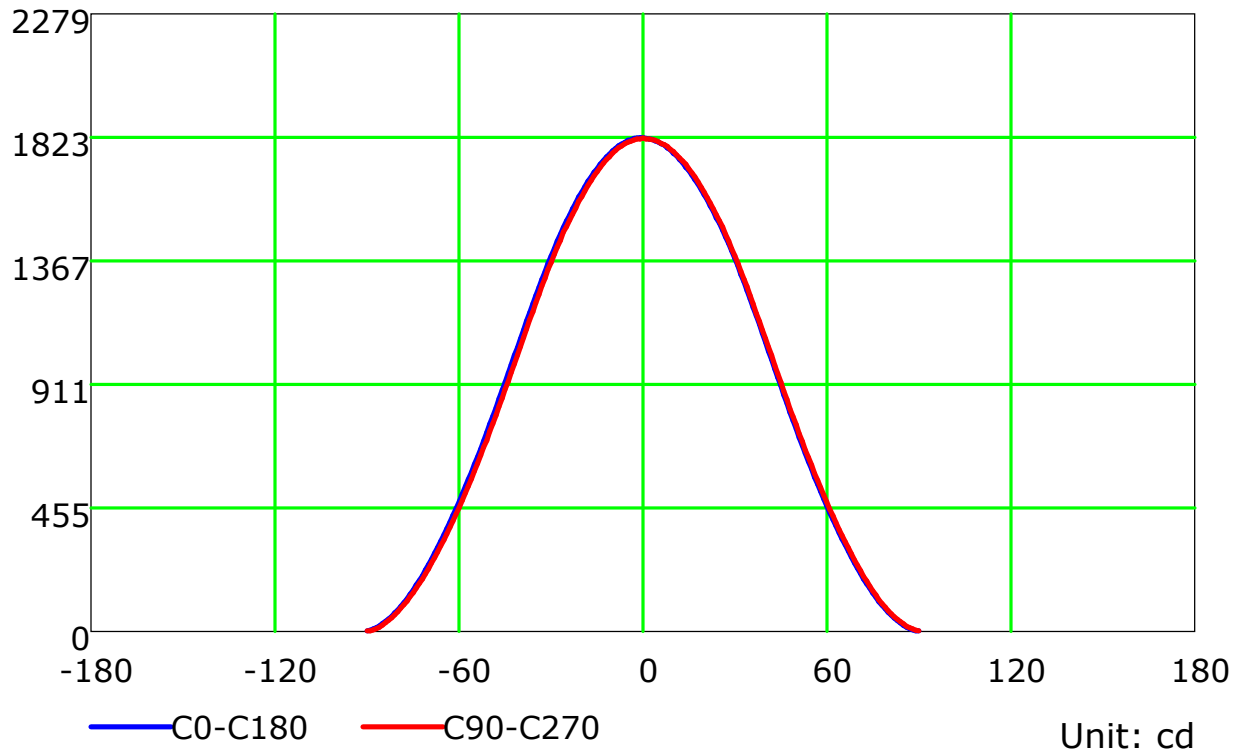
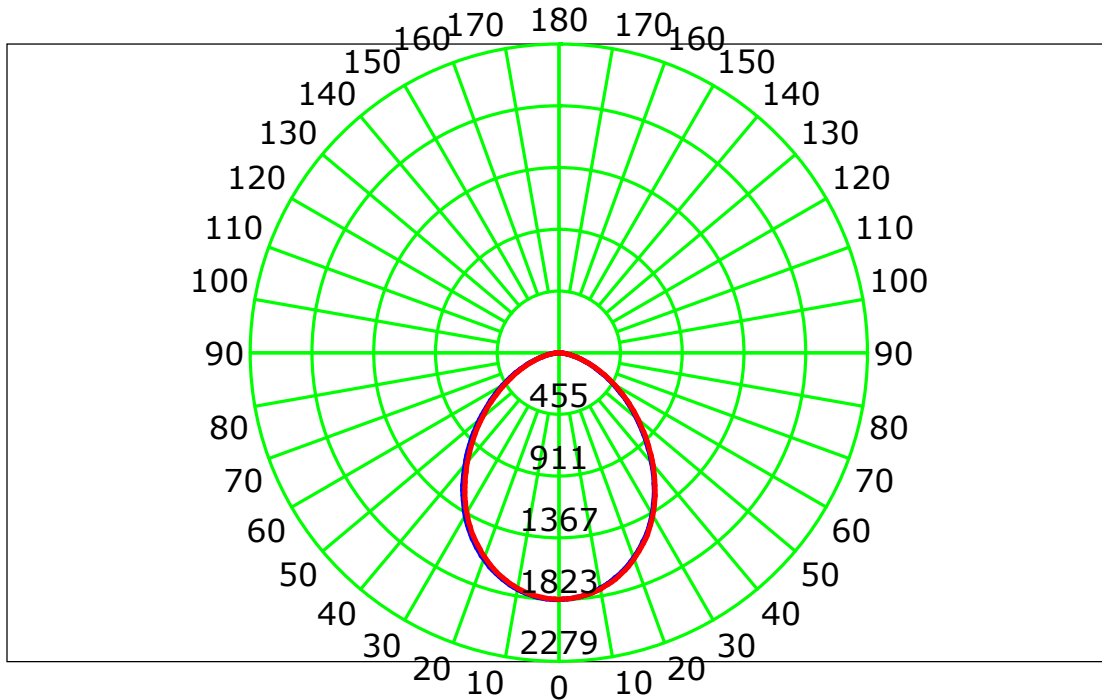
Test Device: LSG-1700B - C90-C270

Distance: 11.700 m

Humidity:

Inspector:

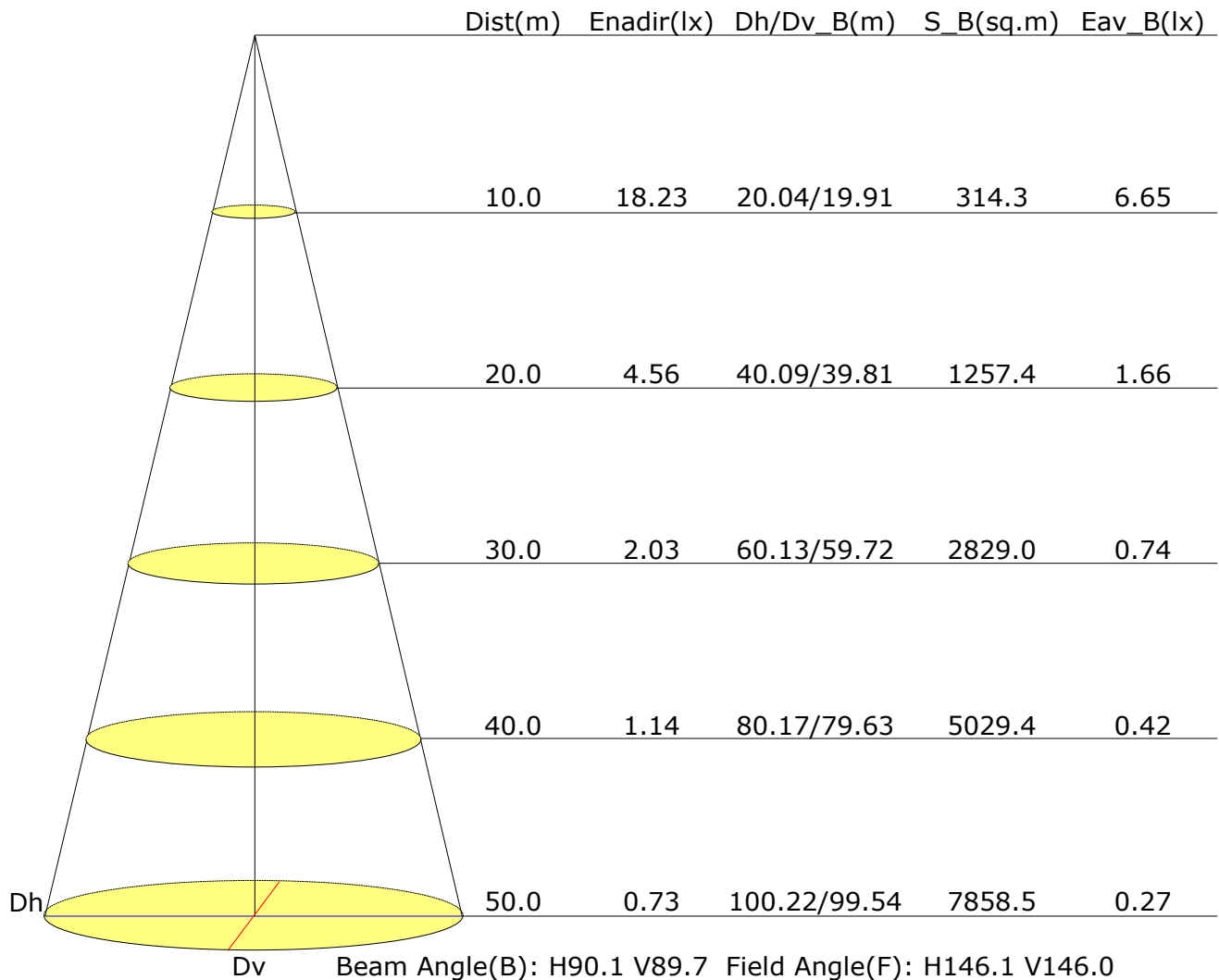
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.7
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Illuminance at a Distance



Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1819.7	1.7	1.7	0.04	0.04
1.0-2.0	1818.5	5.2	7.0	0.13	0.18
2.0-3.0	1816.5	8.7	15.7	0.22	0.40
3.0-4.0	1813.3	12.1	27.8	0.31	0.71
4.0-5.0	1809.1	15.6	43.4	0.40	1.11
5.0-6.0	1803.8	19.0	62.3	0.49	1.60
6.0-7.0	1797.5	22.3	84.6	0.57	2.17
7.0-8.0	1790.2	25.6	110.3	0.66	2.83
8.0-9.0	1781.6	28.9	139.1	0.74	3.57
9.0-10.0	1772.3	32.1	171.2	0.82	4.40
10.0-11.0	1761.6	35.2	206.4	0.90	5.30
11.0-12.0	1749.9	38.3	244.7	0.98	6.28
12.0-13.0	1737.8	41.2	285.9	1.06	7.34
13.0-14.0	1724.2	44.1	330.1	1.13	8.48
14.0-15.0	1709.6	46.9	377.0	1.21	9.68
15.0-16.0	1694.4	49.7	426.7	1.28	10.96
16.0-17.0	1678.2	52.3	478.9	1.34	12.30
17.0-18.0	1661.4	54.8	533.7	1.41	13.71
18.0-19.0	1643.1	57.2	590.9	1.47	15.17
19.0-20.0	1624.0	59.4	650.3	1.53	16.70
20.0-21.0	1604.9	61.6	712.0	1.58	18.28
21.0-22.0	1584.2	63.7	775.6	1.64	19.92
22.0-23.0	1562.9	65.6	841.2	1.68	21.60
23.0-24.0	1540.9	67.4	908.6	1.73	23.33
24.0-25.0	1518.1	69.0	977.6	1.77	25.11
25.0-26.0	1495.2	70.6	1048.2	1.81	26.92
26.0-27.0	1470.4	71.9	1120.2	1.85	28.77
27.0-28.0	1444.7	73.2	1193.3	1.88	30.64
28.0-29.0	1418.9	74.2	1267.6	1.91	32.55
29.0-30.0	1391.7	75.2	1342.7	1.93	34.48
30.0-31.0	1363.8	75.9	1418.6	1.95	36.43
31.0-32.0	1334.8	76.5	1495.1	1.96	38.39
32.0-33.0	1305.3	76.9	1572.0	1.98	40.37
33.0-34.0	1276.4	77.3	1649.3	1.98	42.35
34.0-35.0	1245.5	77.4	1726.6	1.99	44.34
35.0-36.0	1214.2	77.3	1804.0	1.99	46.33

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 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1183.2	77.2	1881.1	1.98	48.31
37.0-38.0	1151.2	76.8	1958.0	1.97	50.28
38.0-39.0	1119.5	76.4	2034.4	1.96	52.24
39.0-40.0	1087.1	75.8	2110.2	1.95	54.19
40.0-41.0	1054.6	75.1	2185.3	1.93	56.12
41.0-42.0	1023.3	74.4	2259.7	1.91	58.03
42.0-43.0	990.5	73.4	2333.1	1.88	59.91
43.0-44.0	957.9	72.3	2405.4	1.86	61.77
44.0-45.0	926.4	71.2	2476.6	1.83	63.60
45.0-46.0	894.1	69.9	2546.5	1.80	65.40
46.0-47.0	862.7	68.6	2615.2	1.76	67.16
47.0-48.0	830.8	67.2	2682.3	1.72	68.88
48.0-49.0	799.2	65.6	2748.0	1.69	70.57
49.0-50.0	769.3	64.2	2812.1	1.65	72.22
50.0-51.0	738.4	62.5	2874.6	1.60	73.82
51.0-52.0	707.8	60.7	2935.4	1.56	75.38
52.0-53.0	678.4	59.0	2994.4	1.52	76.90
53.0-54.0	648.8	57.2	3051.6	1.47	78.37
54.0-55.0	620.2	55.4	3106.9	1.42	79.79
55.0-56.0	591.5	53.5	3160.4	1.37	81.16
56.0-57.0	563.4	51.5	3211.9	1.32	82.48
57.0-58.0	537.1	49.7	3261.6	1.28	83.76
58.0-59.0	509.9	47.7	3309.3	1.22	84.98
59.0-60.0	483.2	45.7	3354.9	1.17	86.16
60.0-61.0	457.4	43.7	3398.6	1.12	87.28
61.0-62.0	431.8	41.6	3440.2	1.07	88.35
62.0-63.0	407.6	39.7	3479.9	1.02	89.36
63.0-64.0	383.2	37.6	3517.5	0.97	90.33
64.0-65.0	359.3	35.6	3553.0	0.91	91.24
65.0-66.0	336.8	33.6	3586.6	0.86	92.11
66.0-67.0	314.1	31.6	3618.2	0.81	92.92
67.0-68.0	292.2	29.6	3647.8	0.76	93.68
68.0-69.0	270.7	27.6	3675.4	0.71	94.39
69.0-70.0	249.7	25.6	3701.1	0.66	95.04
70.0-71.0	230.0	23.8	3724.9	0.61	95.66
71.0-72.0	210.3	21.9	3746.7	0.56	96.22

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 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
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