

Report No.: MSL-137-1

Test Time: 2019-06-21 08:44

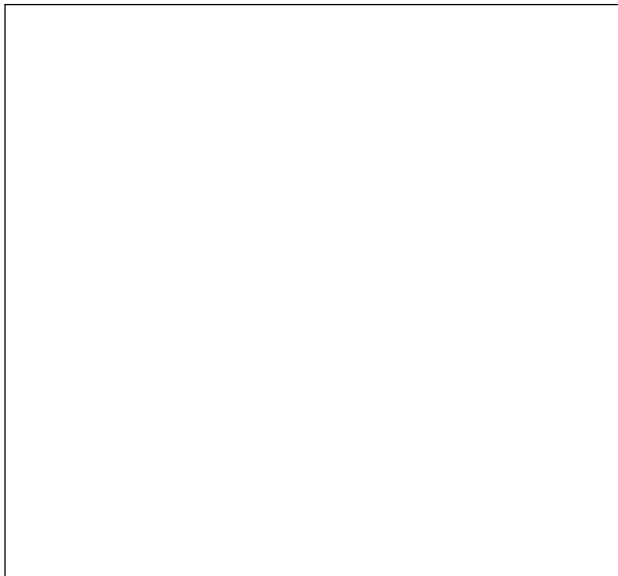
Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S
 Luminaire Category: Interior
 Luminaire Description: Bala Stil Led Flat 5" 13W Samsung
 Luminous Length (mm): 115 Diametro Luminous Width (mm): 115 Diametro
 Voltage: 120.0 V Current: 0.109 A
 Power: 13.02 W Power Factor: 0.993

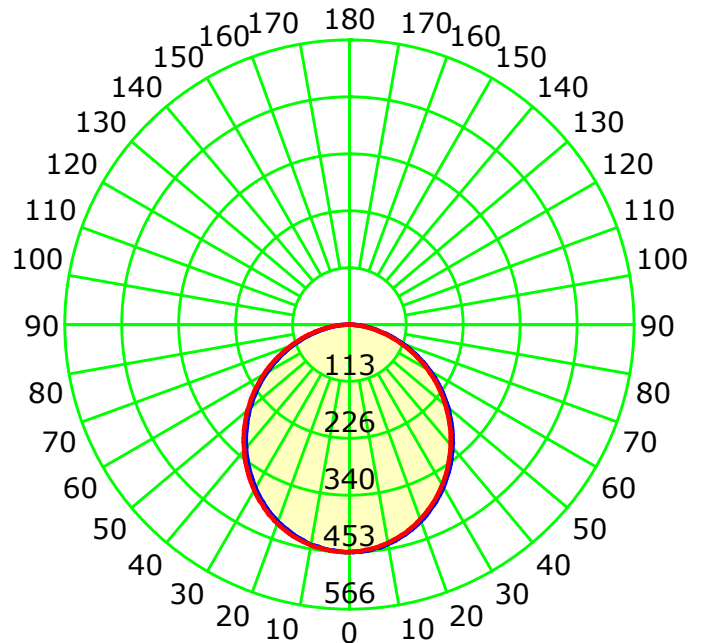
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 1250.5 lm
Measurement Flux: 1250.5 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.3, 161.5, 161.3, 161.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.1, 109.1, 109.0, 109.2	
Luminaire Efficacy Rating (LER): 96.10	Central Intensity: 452.78 cd
Max. Intensity: 453.52 cd	Pos of Max. Intensity: H190 V1
S/MH(C0/C180): 1.23	S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve

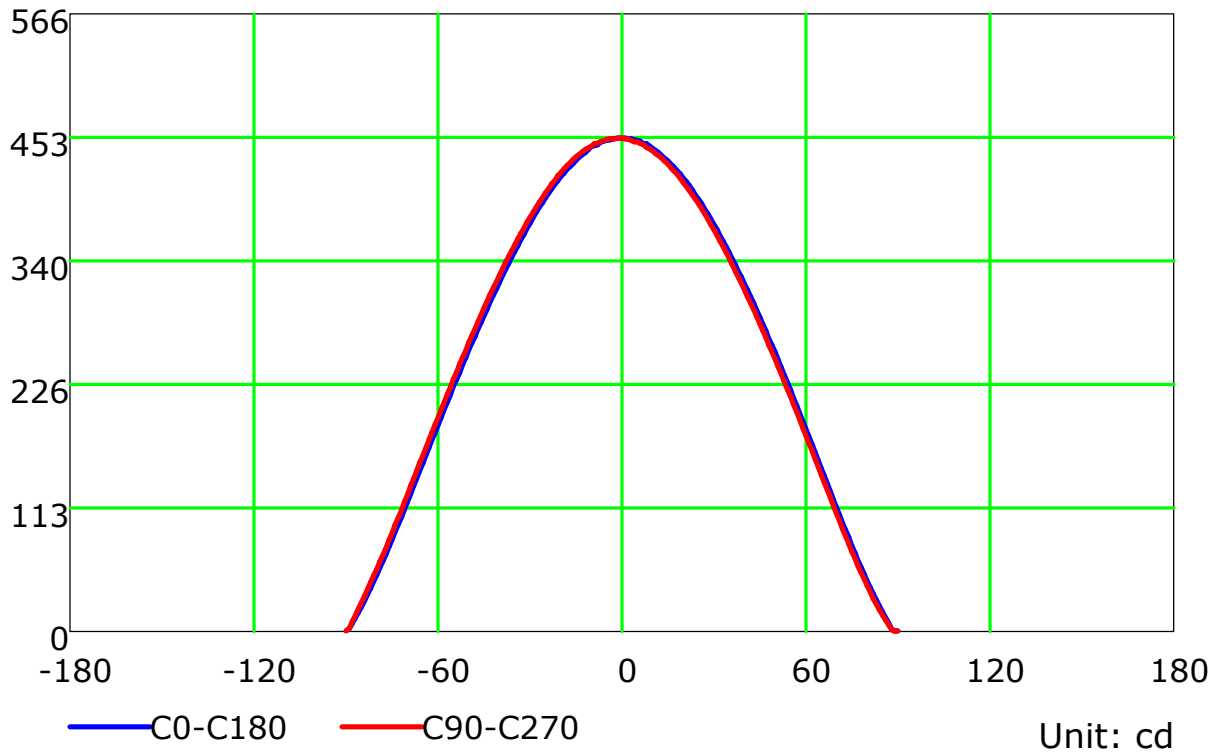
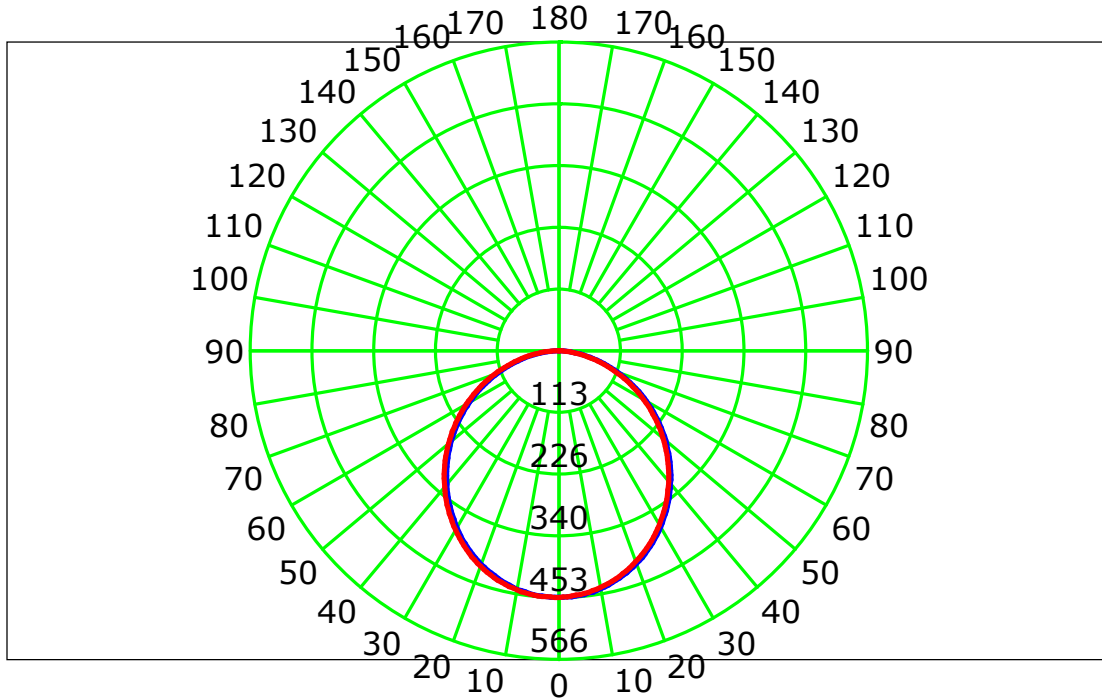


Unit: cd

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.3
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B — C90-C270
 Distance: 11.700 m
 Humidity:
 Inspector:

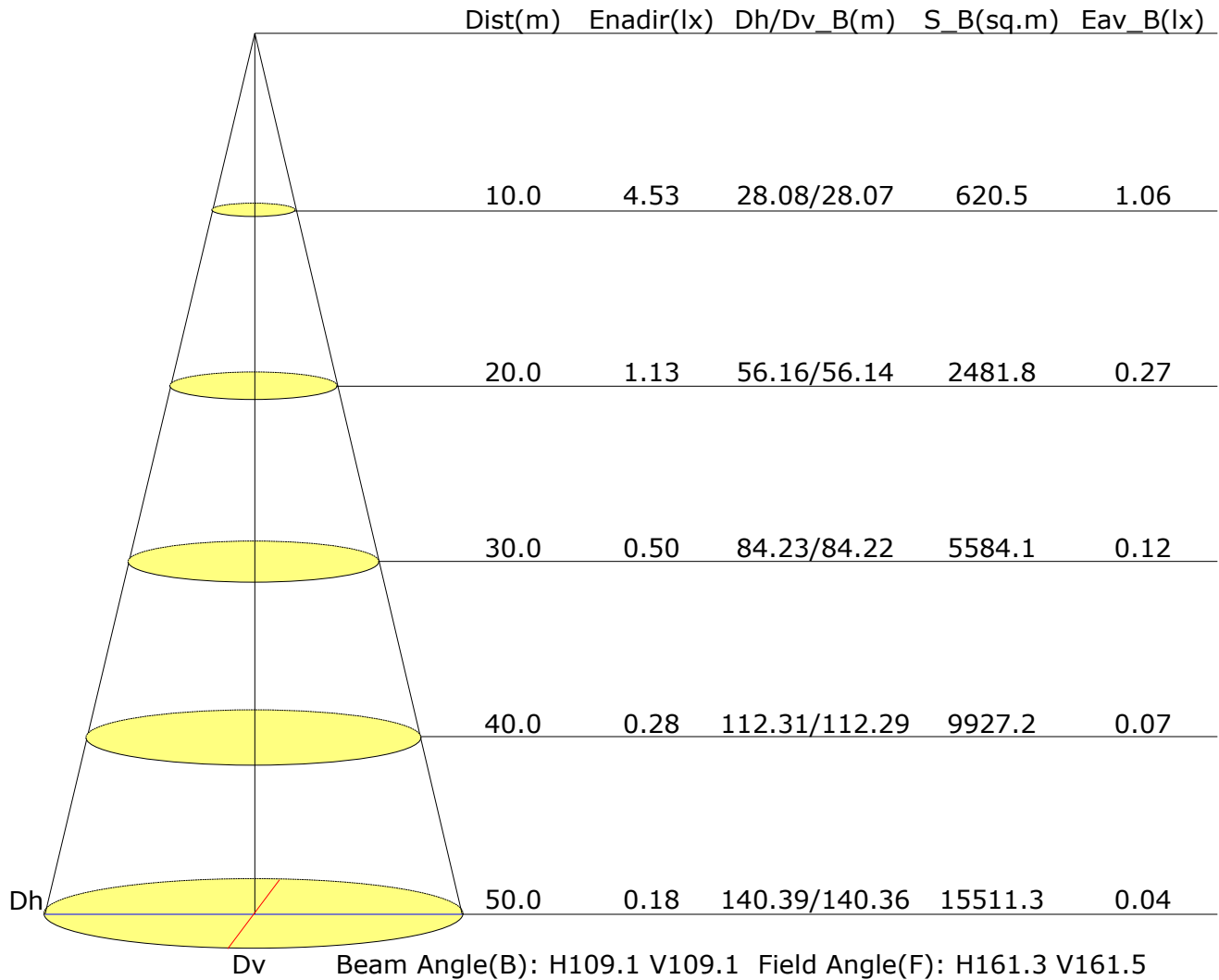
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Illuminance at a Distance



Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	452.7	0.4	0.4	0.03	0.03
1.0-2.0	452.5	1.3	1.7	0.10	0.14
2.0-3.0	452.2	2.2	3.9	0.17	0.31
3.0-4.0	451.6	3.0	6.9	0.24	0.55
4.0-5.0	450.9	3.9	10.8	0.31	0.86
5.0-6.0	450.0	4.7	15.5	0.38	1.24
6.0-7.0	448.8	5.6	21.1	0.45	1.69
7.0-8.0	447.6	6.4	27.5	0.51	2.20
8.0-9.0	446.2	7.2	34.7	0.58	2.78
9.0-10.0	444.5	8.0	42.8	0.64	3.42
10.0-11.0	442.7	8.8	51.6	0.71	4.13
11.0-12.0	440.7	9.6	61.3	0.77	4.90
12.0-13.0	438.5	10.4	71.7	0.83	5.73
13.0-14.0	436.2	11.2	82.8	0.89	6.62
14.0-15.0	433.6	11.9	94.7	0.95	7.58
15.0-16.0	430.9	12.6	107.4	1.01	8.59
16.0-17.0	428.1	13.3	120.7	1.07	9.65
17.0-18.0	425.1	14.0	134.7	1.12	10.77
18.0-19.0	421.9	14.7	149.4	1.17	11.95
19.0-20.0	418.5	15.3	164.7	1.22	13.17
20.0-21.0	415.1	15.9	180.7	1.27	14.45
21.0-22.0	411.5	16.5	197.2	1.32	15.77
22.0-23.0	407.6	17.1	214.3	1.37	17.14
23.0-24.0	403.6	17.6	232.0	1.41	18.55
24.0-25.0	399.5	18.2	250.1	1.45	20.00
25.0-26.0	395.3	18.7	268.8	1.49	21.49
26.0-27.0	390.9	19.1	287.9	1.53	23.02
27.0-28.0	386.4	19.6	307.5	1.56	24.59
28.0-29.0	381.8	20.0	327.5	1.60	26.19
29.0-30.0	377.0	20.4	347.8	1.63	27.81
30.0-31.0	372.1	20.7	368.5	1.66	29.47
31.0-32.0	367.0	21.0	389.6	1.68	31.15
32.0-33.0	361.8	21.3	410.9	1.70	32.86
33.0-34.0	356.8	21.6	432.5	1.73	34.58
34.0-35.0	351.4	21.8	454.3	1.75	36.33
35.0-36.0	345.9	22.0	476.3	1.76	38.09

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 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	340.4	22.2	498.5	1.78	39.86
37.0-38.0	334.6	22.3	520.8	1.79	41.65
38.0-39.0	328.9	22.5	543.3	1.80	43.45
39.0-40.0	323.0	22.5	565.8	1.80	45.25
40.0-41.0	317.1	22.6	588.4	1.81	47.05
41.0-42.0	311.3	22.6	611.0	1.81	48.86
42.0-43.0	305.1	22.6	633.6	1.81	50.67
43.0-44.0	298.9	22.6	656.2	1.80	52.47
44.0-45.0	292.6	22.5	678.7	1.80	54.27
45.0-46.0	286.3	22.4	701.1	1.79	56.06
46.0-47.0	279.9	22.3	723.3	1.78	57.84
47.0-48.0	273.5	22.1	745.5	1.77	59.61
48.0-49.0	266.9	21.9	767.4	1.75	61.36
49.0-50.0	260.5	21.7	789.1	1.74	63.10
50.0-51.0	253.8	21.5	810.6	1.72	64.82
51.0-52.0	247.0	21.2	831.8	1.70	66.51
52.0-53.0	240.3	20.9	852.7	1.67	68.19
53.0-54.0	233.5	20.6	873.3	1.65	69.83
54.0-55.0	226.7	20.2	893.5	1.62	71.45
55.0-56.0	219.7	19.9	913.4	1.59	73.04
56.0-57.0	212.7	19.5	932.8	1.56	74.59
57.0-58.0	206.0	19.1	951.9	1.52	76.12
58.0-59.0	198.9	18.6	970.5	1.49	77.61
59.0-60.0	191.8	18.1	988.6	1.45	79.05
60.0-61.0	184.8	17.6	1006.2	1.41	80.47
61.0-62.0	177.6	17.1	1023.4	1.37	81.83
62.0-63.0	170.6	16.6	1040.0	1.33	83.16
63.0-64.0	163.4	16.0	1056.0	1.28	84.44
64.0-65.0	156.2	15.5	1071.5	1.24	85.68
65.0-66.0	149.2	14.9	1086.3	1.19	86.87
66.0-67.0	142.0	14.3	1100.6	1.14	88.01
67.0-68.0	134.8	13.7	1114.3	1.09	89.10
68.0-69.0	127.6	13.0	1127.3	1.04	90.14
69.0-70.0	120.4	12.4	1139.7	0.99	91.13
70.0-71.0	113.4	11.7	1151.4	0.94	92.07
71.0-72.0	106.3	11.1	1162.4	0.88	92.95

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