

Report No.: MSL-93

Test Time: 2019-04-04 12:13

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Perfil STPL018-R 62.5CM 20W

Luminous Length (mm): 625

Luminous Width (mm): 35

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.169 A

Power: 20.02 W

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1143.5 lm

Measurement Flux: 1143.5 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.0, 159.1, 158.4, 158.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 104.8, 107.9, 106.1, 106.1

Luminaire Efficacy Rating (LER): 57.17

Central Intensity: 431.91 cd

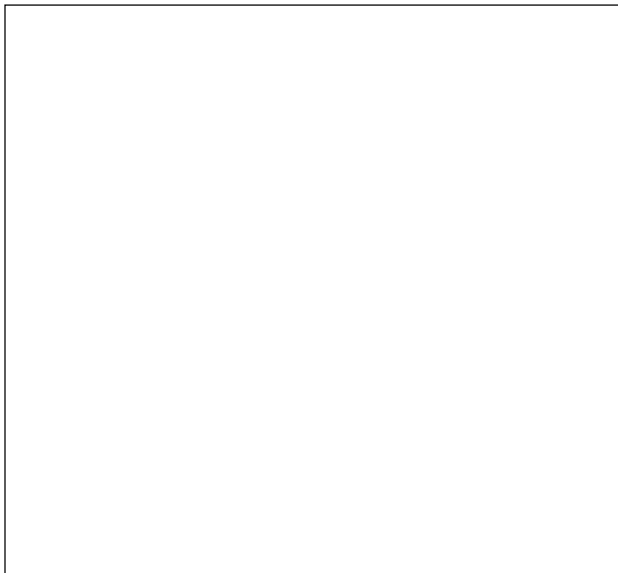
Max. Intensity: 431.92 cd

Pos of Max. Intensity: H0 V0

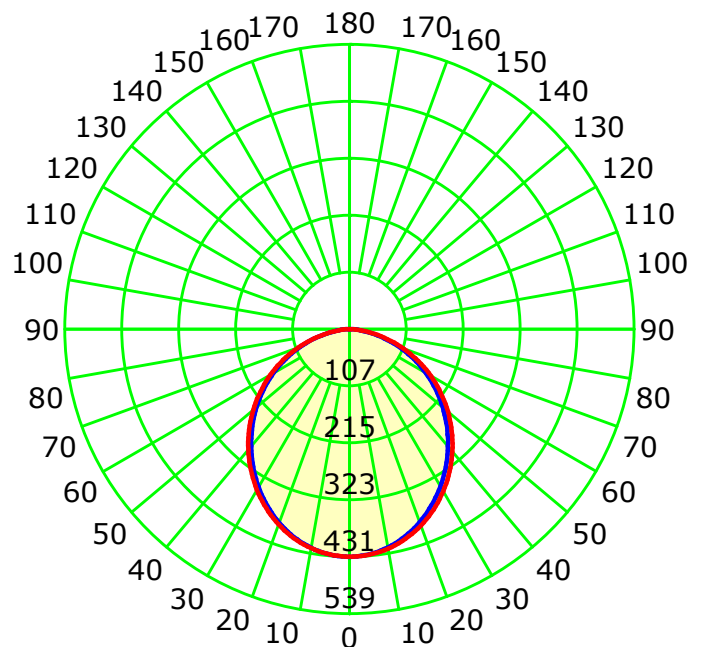
S/MH(C0/C180): 1.19

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND

Test Device: LSG-1700B

Test Type: TYPE C

Distance: 11.700 m — C90-C270

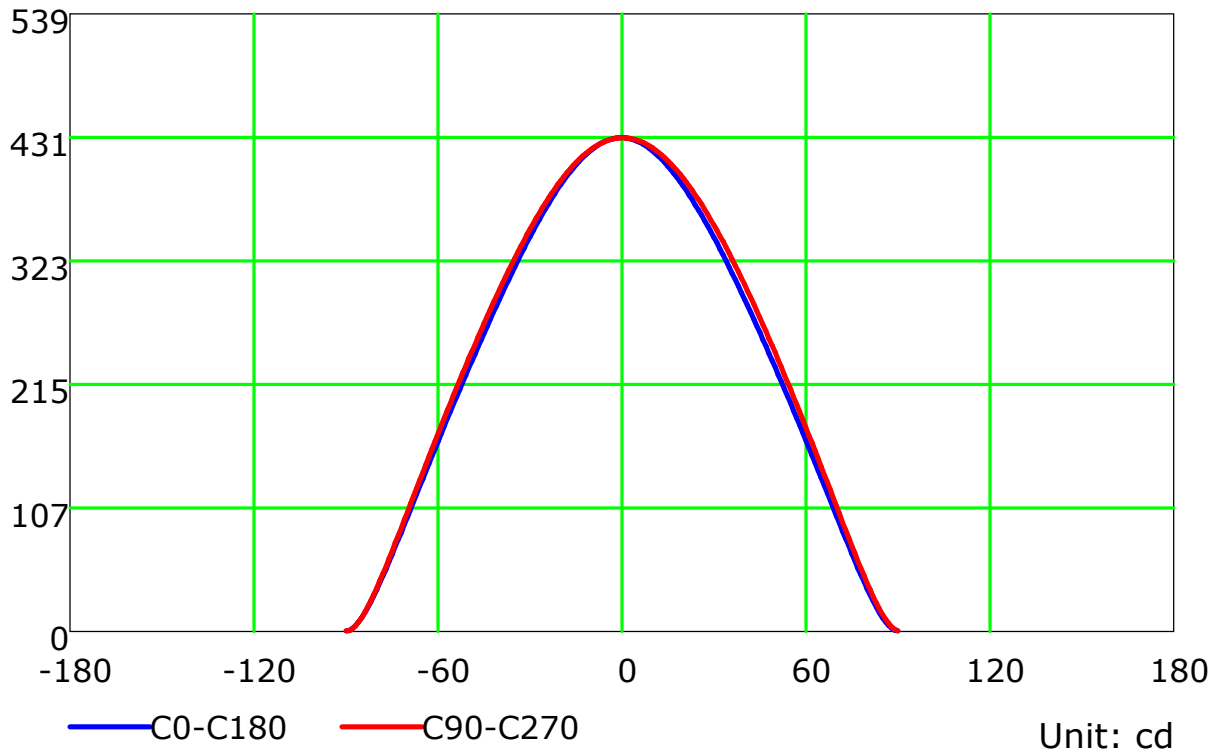
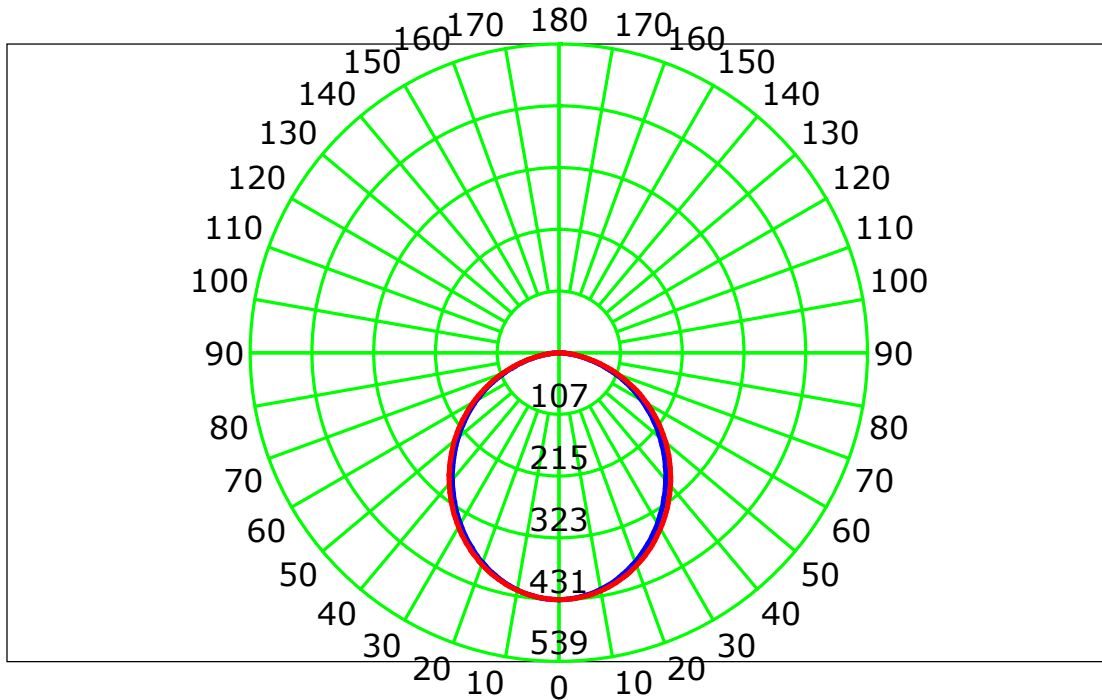
Temperature: 25.5

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

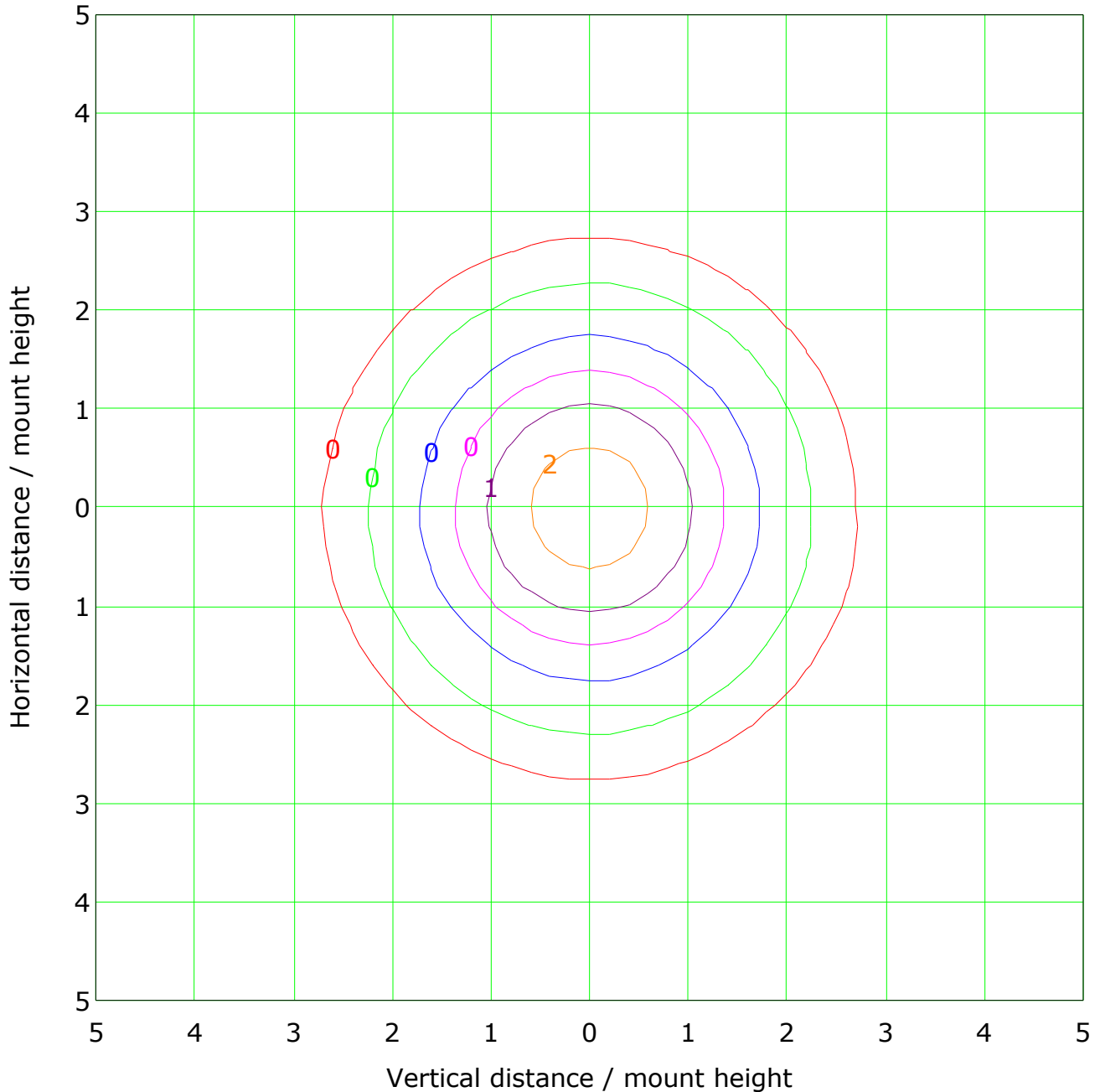
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 Operator: Cristian Herrera Arismendy

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

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.3 lx

— (1%): 0.0 lx

— (2%): 0.1 lx

— (5%): 0.2 lx

— (10%): 0.4 lx

C Plane (°):0.0-360.0: 10.0, \, 0.9 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND (100%): 4.3 lx

Test Device: LSG-1700B IX

Test Type: TYPE C

Distance: 11.700 m

Temperature: 25.5

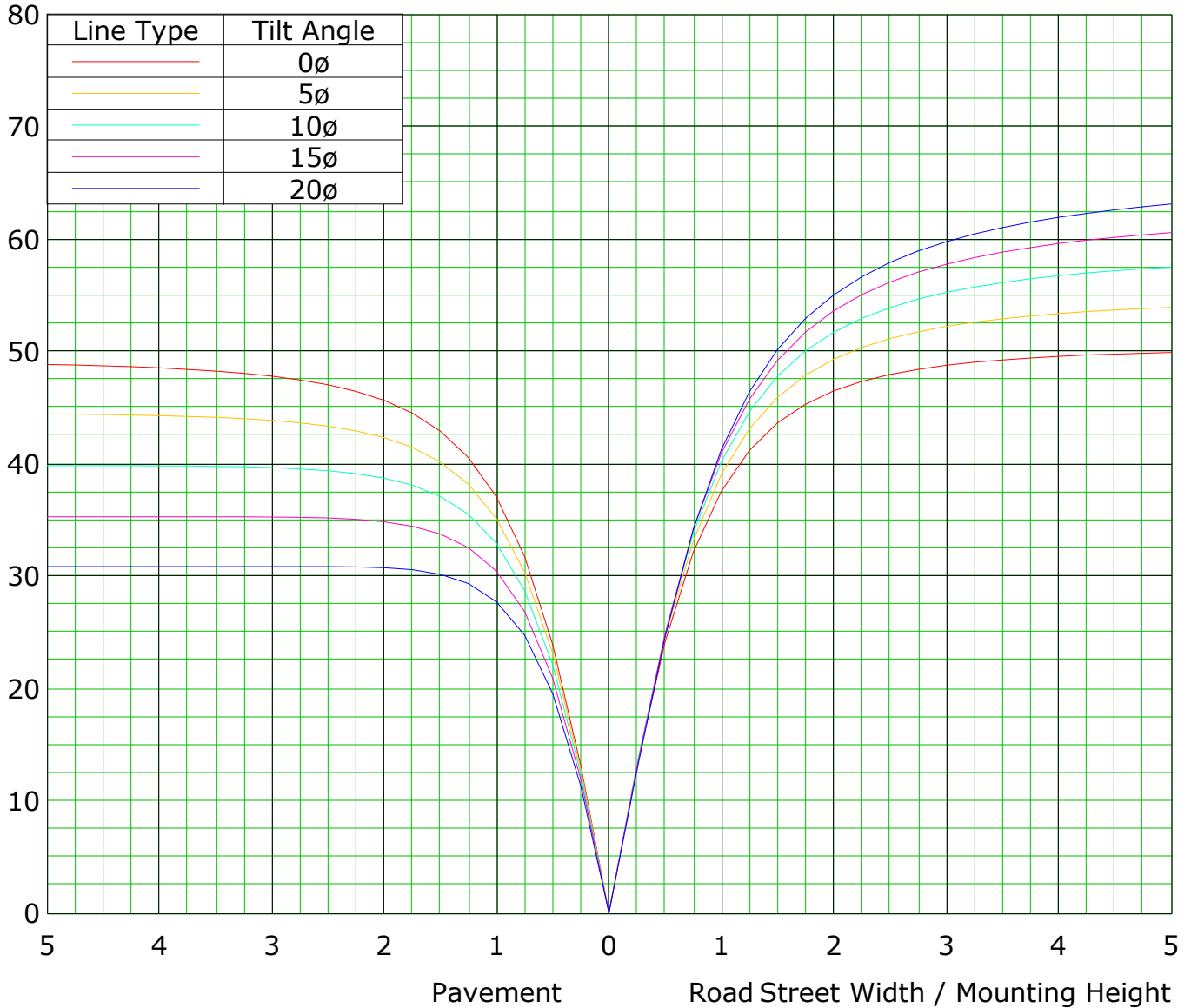
Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

Roadway CU Curve

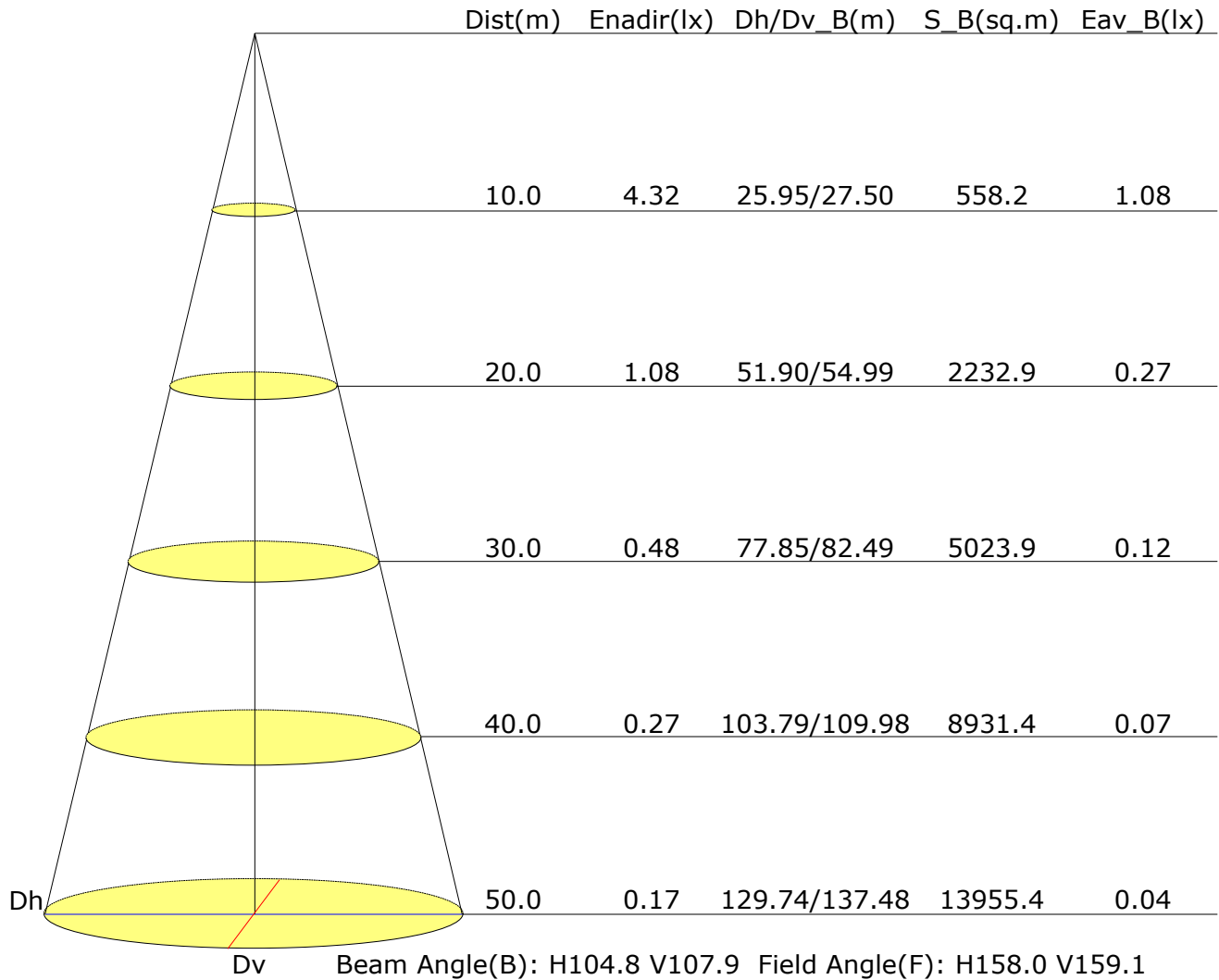
Efficiency(%)



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 Operator: Cristian Herrera Arismendy

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	431.6	0.4	0.4	0.04	0.04
1.0-2.0	431.4	1.2	1.7	0.11	0.14
2.0-3.0	430.9	2.1	3.7	0.18	0.32
3.0-4.0	430.3	2.9	6.6	0.25	0.58
4.0-5.0	429.5	3.7	10.3	0.32	0.90
5.0-6.0	428.5	4.5	14.8	0.39	1.29
6.0-7.0	427.2	5.3	20.1	0.46	1.76
7.0-8.0	425.8	6.1	26.2	0.53	2.29
8.0-9.0	424.1	6.9	33.1	0.60	2.89
9.0-10.0	422.3	7.6	40.7	0.67	3.56
10.0-11.0	420.3	8.4	49.1	0.73	4.29
11.0-12.0	418.1	9.1	58.2	0.80	5.09
12.0-13.0	415.8	9.9	68.1	0.86	5.96
13.0-14.0	413.2	10.6	78.7	0.93	6.88
14.0-15.0	410.5	11.3	90.0	0.99	7.87
15.0-16.0	407.6	11.9	101.9	1.04	8.91
16.0-17.0	404.5	12.6	114.5	1.10	10.01
17.0-18.0	401.3	13.2	127.7	1.16	11.17
18.0-19.0	397.9	13.8	141.6	1.21	12.38
19.0-20.0	394.3	14.4	156.0	1.26	13.65
20.0-21.0	390.7	15.0	171.0	1.31	14.96
21.0-22.0	386.9	15.5	186.6	1.36	16.32
22.0-23.0	382.9	16.1	202.6	1.41	17.72
23.0-24.0	378.7	16.6	219.2	1.45	19.17
24.0-25.0	374.5	17.0	236.2	1.49	20.66
25.0-26.0	370.2	17.5	253.7	1.53	22.19
26.0-27.0	365.7	17.9	271.6	1.56	23.75
27.0-28.0	361.0	18.3	289.9	1.60	25.35
28.0-29.0	356.4	18.7	308.5	1.63	26.98
29.0-30.0	351.6	19.0	327.5	1.66	28.64
30.0-31.0	346.6	19.3	346.8	1.69	30.33
31.0-32.0	341.6	19.6	366.4	1.71	32.04
32.0-33.0	336.4	19.8	386.2	1.73	33.78
33.0-34.0	331.4	20.1	406.3	1.75	35.53
34.0-35.0	326.0	20.2	426.5	1.77	37.30
35.0-36.0	320.6	20.4	446.9	1.79	39.09

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	315.2	20.6	467.5	1.80	40.88
37.0-38.0	309.6	20.7	488.2	1.81	42.69
38.0-39.0	304.1	20.8	508.9	1.82	44.51
39.0-40.0	298.4	20.8	529.7	1.82	46.33
40.0-41.0	292.6	20.8	550.6	1.82	48.15
41.0-42.0	287.0	20.9	571.4	1.82	49.97
42.0-43.0	281.0	20.8	592.2	1.82	51.79
43.0-44.0	275.1	20.8	613.0	1.82	53.61
44.0-45.0	269.2	20.7	633.7	1.81	55.42
45.0-46.0	263.1	20.6	654.3	1.80	57.22
46.0-47.0	257.1	20.5	674.7	1.79	59.01
47.0-48.0	250.9	20.3	695.0	1.77	60.78
48.0-49.0	244.7	20.1	715.1	1.76	62.54
49.0-50.0	238.7	19.9	735.0	1.74	64.28
50.0-51.0	232.4	19.7	754.7	1.72	66.00
51.0-52.0	226.0	19.4	774.1	1.70	67.69
52.0-53.0	219.7	19.1	793.2	1.67	69.37
53.0-54.0	213.3	18.8	812.0	1.64	71.01
54.0-55.0	206.9	18.5	830.5	1.62	72.63
55.0-56.0	200.4	18.1	848.6	1.58	74.21
56.0-57.0	193.9	17.7	866.3	1.55	75.76
57.0-58.0	187.6	17.4	883.6	1.52	77.28
58.0-59.0	181.0	16.9	900.6	1.48	78.76
59.0-60.0	174.3	16.5	917.0	1.44	80.20
60.0-61.0	167.6	16.0	933.0	1.40	81.60
61.0-62.0	160.9	15.5	948.5	1.36	82.95
62.0-63.0	154.4	15.0	963.5	1.31	84.27
63.0-64.0	147.6	14.5	978.0	1.27	85.53
64.0-65.0	140.8	13.9	992.0	1.22	86.75
65.0-66.0	134.2	13.4	1005.4	1.17	87.92
66.0-67.0	127.3	12.8	1018.2	1.12	89.04
67.0-68.0	120.6	12.2	1030.4	1.07	90.11
68.0-69.0	113.8	11.6	1042.0	1.02	91.12
69.0-70.0	106.9	11.0	1053.0	0.96	92.08
70.0-71.0	100.2	10.4	1063.3	0.91	92.99
71.0-72.0	93.4	9.7	1073.0	0.85	93.84

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.5
 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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	86.6	9.1	1082.1	0.79	94.63
73.0-74.0	80.1	8.4	1090.5	0.74	95.37
74.0-75.0	73.3	7.7	1098.3	0.68	96.05
75.0-76.0	66.7	7.1	1105.3	0.62	96.67
76.0-77.0	60.2	6.4	1111.8	0.56	97.23
77.0-78.0	53.7	5.8	1117.5	0.50	97.73
78.0-79.0	47.7	5.1	1122.6	0.45	98.18
79.0-80.0	41.6	4.5	1127.1	0.39	98.57
80.0-81.0	35.6	3.9	1131.0	0.34	98.91
81.0-82.0	30.0	3.3	1134.2	0.28	99.19
82.0-83.0	24.6	2.7	1136.9	0.23	99.43
83.0-84.0	19.6	2.1	1139.0	0.19	99.61
84.0-85.0	15.0	1.6	1140.7	0.14	99.76
85.0-86.0	10.7	1.2	1141.8	0.10	99.86
86.0-87.0	7.3	0.8	1142.6	0.07	99.93
87.0-88.0	4.3	0.5	1143.1	0.04	99.97
88.0-89.0	2.2	0.2	1143.4	0.02	99.99
89.0-90.0	1.0	0.1	1143.5	0.01	100.00

C Plane (°):0.0-360.0: 10.0
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Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.700 m
 Humidity:
 Inspector: