

Report No.: MSL-75

Test Time: 2019-03-27 10:32

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Lum Stil Led Aplique Lineal Spot Cuadrado 40W Osram

Luminous Length (mm): 88 Diametro

Luminous Width (mm): 88 Diametro

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.311 A

Power: 36.93 W

Power Factor: 0.989

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 3140.4 lm

Measurement Flux: 3140.4 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 82.8, 83.0, 83.6, 83.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 34.0, 33.9, 34.1, 34.0

Luminaire Efficacy Rating (LER): 85.09

Central Intensity: 6212.39 cd

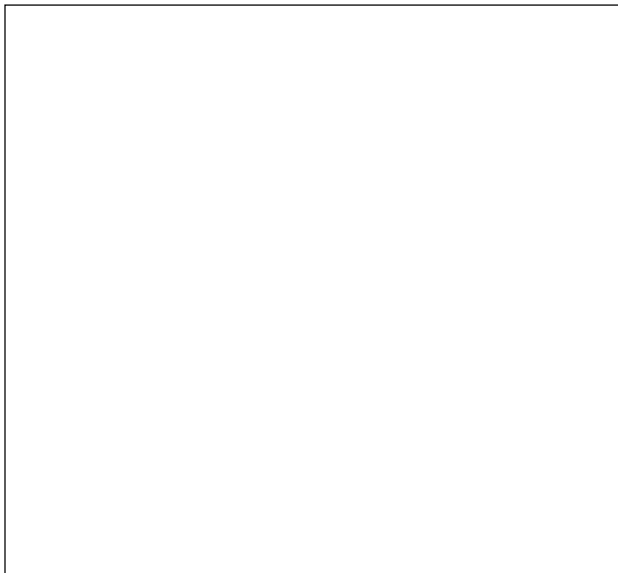
Max. Intensity: 6212.4 cd

Pos of Max. Intensity: H0 V0

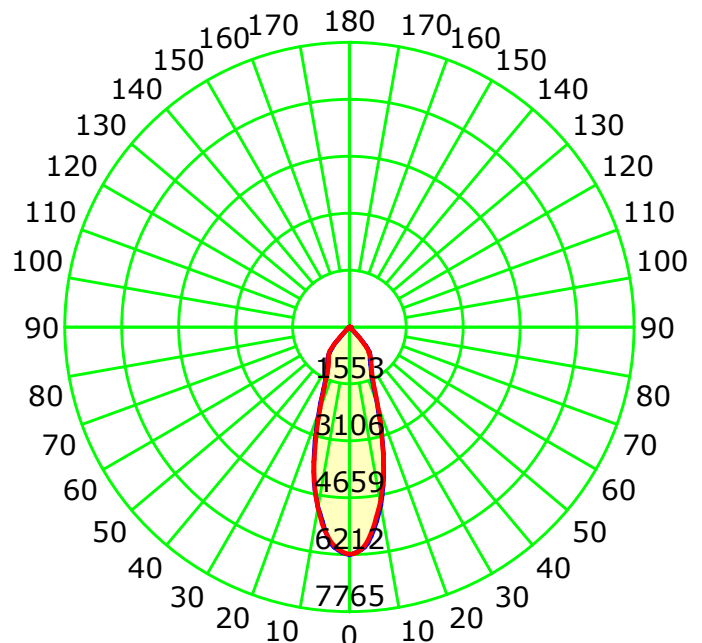
S/MH(C0/C180): 0.56

S/MH(C90/C270): 0.56

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

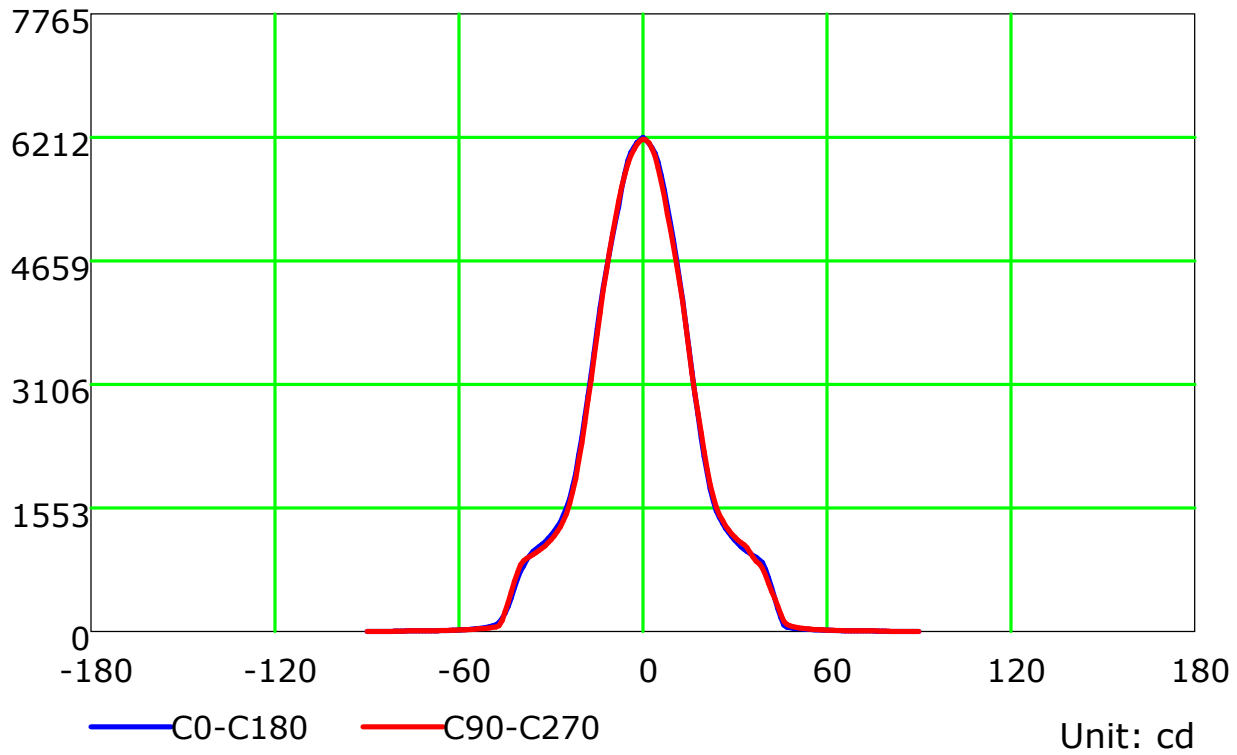
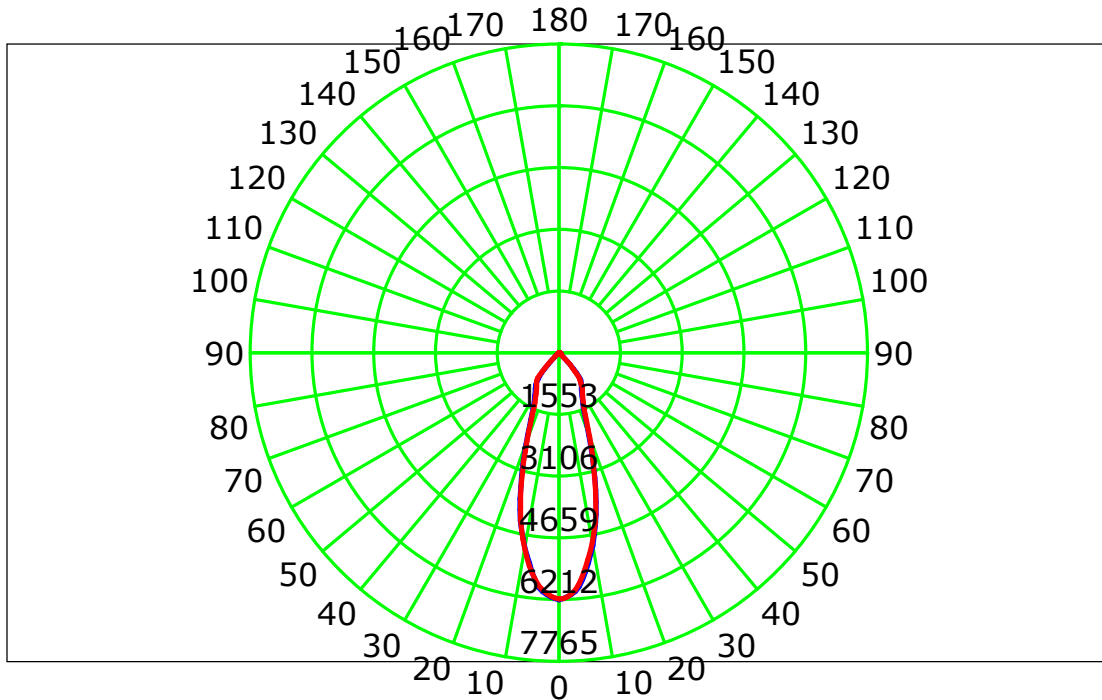
Temperature: 24.8

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

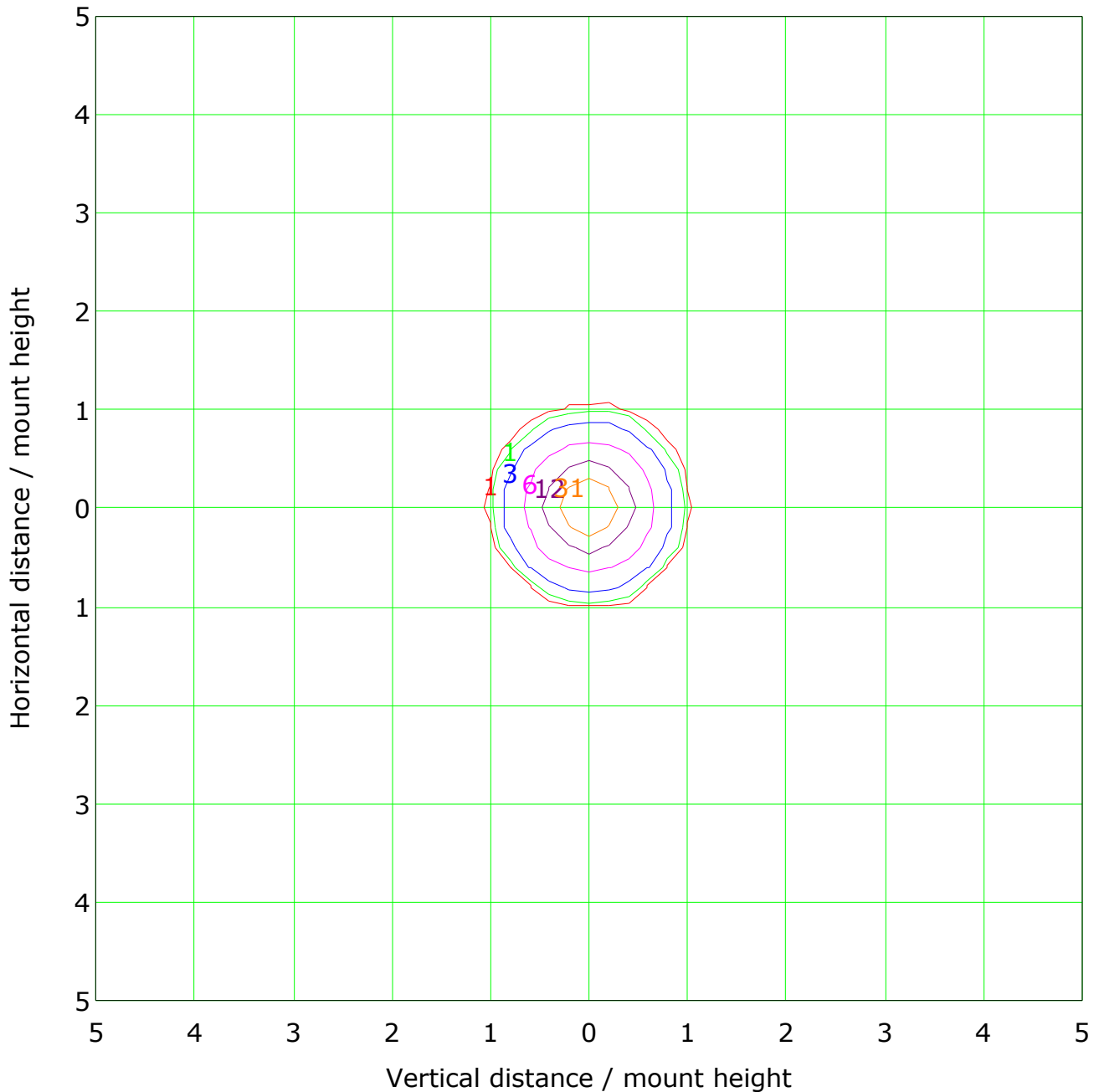
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.8
 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%): 62.1 lx

— (1%): 0.6 lx

— (2%): 1.2 lx

— (5%): 3.1 lx

— (100%): 62.1 lx

C Plane (°):0.0-360.0: 10.0, \, 12.4 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND

Test Device: LSG-1700B lx

Test Type: TYPE C (100%): 62.1 lx

Distance: 11.700 m

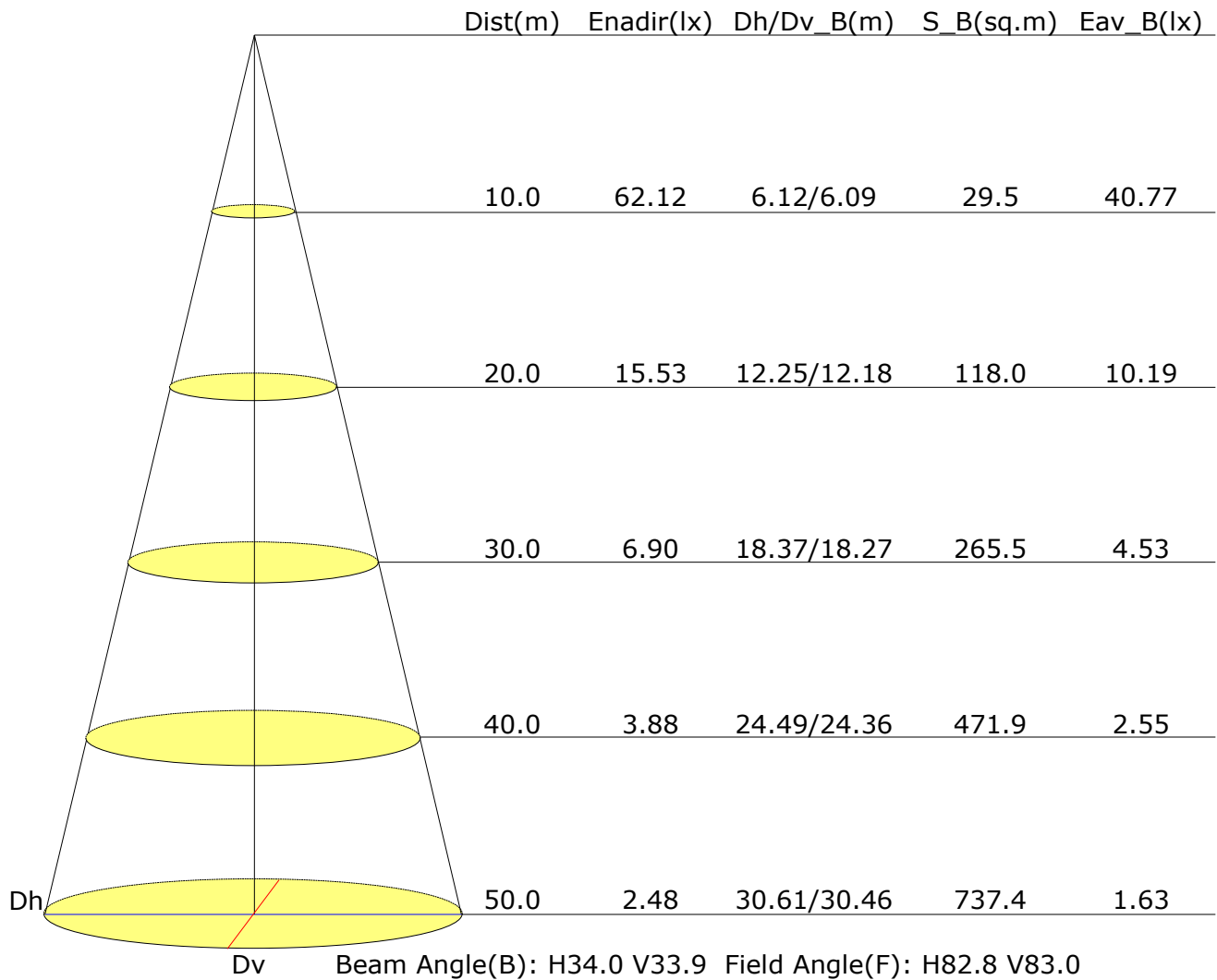
Temperature: 24.8

Humidity:

Operator: Cristian Herrera Arismendy

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	6181.3	5.9	5.9	0.19	0.19
1.0-2.0	6155.7	17.7	23.6	0.56	0.75
2.0-3.0	6105.6	29.2	52.8	0.93	1.68
3.0-4.0	6034.7	40.4	93.2	1.29	2.97
4.0-5.0	5937.9	51.1	144.3	1.63	4.59
5.0-6.0	5799.6	61.0	205.2	1.94	6.54
6.0-7.0	5626.3	69.8	275.1	2.22	8.76
7.0-8.0	5431.1	77.7	352.8	2.48	11.23
8.0-9.0	5224.8	84.7	437.5	2.70	13.93
9.0-10.0	5023.5	90.9	528.4	2.90	16.83
10.0-11.0	4808.9	96.1	624.5	3.06	19.89
11.0-12.0	4581.5	100.2	724.7	3.19	23.08
12.0-13.0	4351.7	103.3	828.0	3.29	26.37
13.0-14.0	4090.9	104.7	932.7	3.33	29.70
14.0-15.0	3812.1	104.7	1037.4	3.33	33.03
15.0-16.0	3526.5	103.3	1140.7	3.29	36.32
16.0-17.0	3237.8	100.8	1241.6	3.21	39.54
17.0-18.0	2967.2	97.8	1339.4	3.12	42.65
18.0-19.0	2698.6	93.9	1433.3	2.99	45.64
19.0-20.0	2442.2	89.4	1522.7	2.85	48.49
20.0-21.0	2211.3	84.9	1607.6	2.70	51.19
21.0-22.0	1996.2	80.2	1687.9	2.55	53.75
22.0-23.0	1813.4	76.1	1764.0	2.42	56.17
23.0-24.0	1665.9	72.8	1836.8	2.32	58.49
24.0-25.0	1545.0	70.3	1907.1	2.24	60.73
25.0-26.0	1450.2	68.5	1975.5	2.18	62.91
26.0-27.0	1371.6	67.1	2042.6	2.14	65.04
27.0-28.0	1305.7	66.1	2108.8	2.11	67.15
28.0-29.0	1250.9	65.5	2174.2	2.08	69.23
29.0-30.0	1201.3	64.9	2239.1	2.07	71.30
30.0-31.0	1157.0	64.4	2303.5	2.05	73.35
31.0-32.0	1116.9	64.0	2367.5	2.04	75.39
32.0-33.0	1081.3	63.7	2431.2	2.03	77.42
33.0-34.0	1051.4	63.6	2494.8	2.03	79.44
34.0-35.0	1021.6	63.5	2558.3	2.02	81.46
35.0-36.0	991.9	63.2	2621.4	2.01	83.48

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.8
 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	962.6	62.8	2684.2	2.00	85.47
37.0-38.0	929.1	62.0	2746.2	1.97	87.45
38.0-39.0	887.2	60.6	2806.8	1.93	89.38
39.0-40.0	826.2	57.6	2864.4	1.84	91.21
40.0-41.0	740.0	52.7	2917.1	1.68	92.89
41.0-42.0	633.4	46.0	2963.2	1.47	94.36
42.0-43.0	510.3	37.8	3001.0	1.20	95.56
43.0-44.0	386.6	29.2	3030.2	0.93	96.49
44.0-45.0	273.6	21.0	3051.2	0.67	97.16
45.0-46.0	175.2	13.7	3064.9	0.44	97.60
46.0-47.0	108.6	8.6	3073.5	0.28	97.87
47.0-48.0	74.8	6.1	3079.6	0.19	98.06
48.0-49.0	59.9	4.9	3084.5	0.16	98.22
49.0-50.0	52.3	4.4	3088.9	0.14	98.36
50.0-51.0	46.5	3.9	3092.8	0.13	98.48
51.0-52.0	41.8	3.6	3096.4	0.11	98.60
52.0-53.0	37.9	3.3	3099.7	0.11	98.70
53.0-54.0	34.4	3.0	3102.7	0.10	98.80
54.0-55.0	31.3	2.8	3105.5	0.09	98.89
55.0-56.0	28.4	2.6	3108.1	0.08	98.97
56.0-57.0	26.0	2.4	3110.4	0.08	99.05
57.0-58.0	23.9	2.2	3112.7	0.07	99.12
58.0-59.0	22.0	2.1	3114.7	0.07	99.18
59.0-60.0	20.2	1.9	3116.6	0.06	99.24
60.0-61.0	18.6	1.8	3118.4	0.06	99.30
61.0-62.0	17.2	1.7	3120.1	0.05	99.35
62.0-63.0	15.8	1.5	3121.6	0.05	99.40
63.0-64.0	14.6	1.4	3123.0	0.05	99.45
64.0-65.0	13.4	1.3	3124.4	0.04	99.49
65.0-66.0	12.4	1.2	3125.6	0.04	99.53
66.0-67.0	11.4	1.1	3126.7	0.04	99.57
67.0-68.0	10.6	1.1	3127.8	0.03	99.60
68.0-69.0	10.0	1.0	3128.8	0.03	99.63
69.0-70.0	9.5	1.0	3129.8	0.03	99.66
70.0-71.0	9.1	0.9	3130.7	0.03	99.69
71.0-72.0	9.0	0.9	3131.7	0.03	99.72

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.8
 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	8.9	0.9	3132.6	0.03	99.75
73.0-74.0	8.9	0.9	3133.5	0.03	99.78
74.0-75.0	8.9	0.9	3134.5	0.03	99.81
75.0-76.0	8.6	0.9	3135.4	0.03	99.84
76.0-77.0	8.0	0.9	3136.3	0.03	99.87
77.0-78.0	7.1	0.8	3137.0	0.02	99.89
78.0-79.0	6.3	0.7	3137.7	0.02	99.91
79.0-80.0	5.4	0.6	3138.3	0.02	99.93
80.0-81.0	4.4	0.5	3138.8	0.02	99.95
81.0-82.0	3.6	0.4	3139.1	0.01	99.96
82.0-83.0	2.9	0.3	3139.5	0.01	99.97
83.0-84.0	2.3	0.2	3139.7	0.01	99.98
84.0-85.0	1.7	0.2	3139.9	0.01	99.98
85.0-86.0	1.3	0.1	3140.0	0.00	99.99
86.0-87.0	1.0	0.1	3140.1	0.00	99.99
87.0-88.0	0.8	0.1	3140.2	0.00	100.00
88.0-89.0	0.7	0.1	3140.3	0.00	100.00
89.0-90.0	0.6	0.1	3140.4	0.00	100.00

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.8
 Operator: Cristian Herrera Arismendy

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