

Report No.: MSL-89

Test Time: 2019-04-03 12:34

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Perfil STPL045-R 1,25M 40W

Luminous Length (mm): 1250

Luminous Width (mm): 45

Luminous Height (mm): 0

Voltage: 119.9 V

Current: 0.334 A

Power: 39.95 W

Power Factor: 0.995

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2957.0 lm

Measurement Flux: 2957 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 157.5, 158.4, 158.0, 158.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 101.3, 105.8, 103.4, 103.5

Luminaire Efficacy Rating (LER): 74.07

Central Intensity: 1153.18 cd

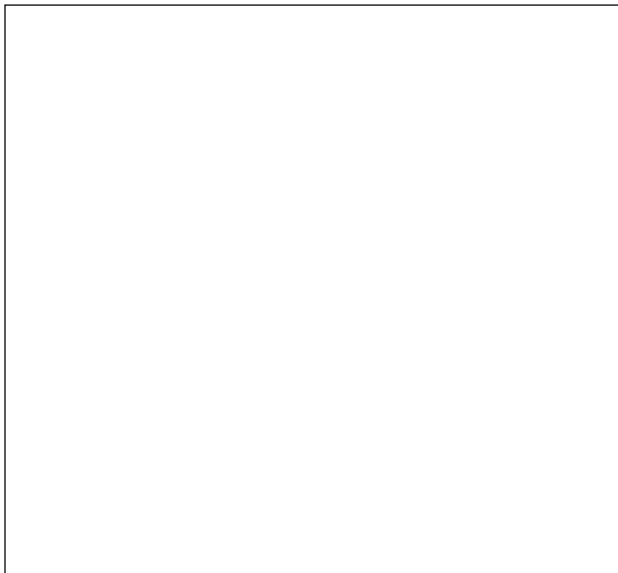
Max. Intensity: 1153.19 cd

Pos of Max. Intensity: H0 V0

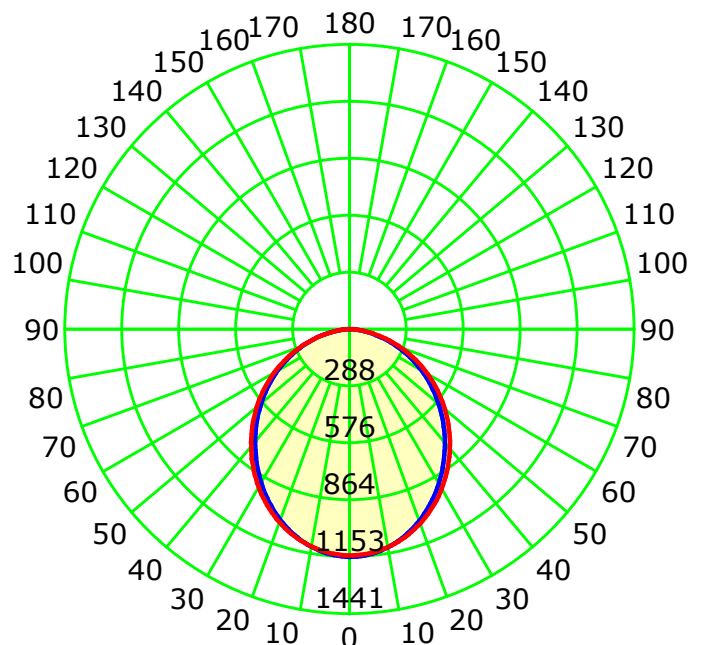
S/MH(C0/C180): 1.17

S/MH(C90/C270): 1.21

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

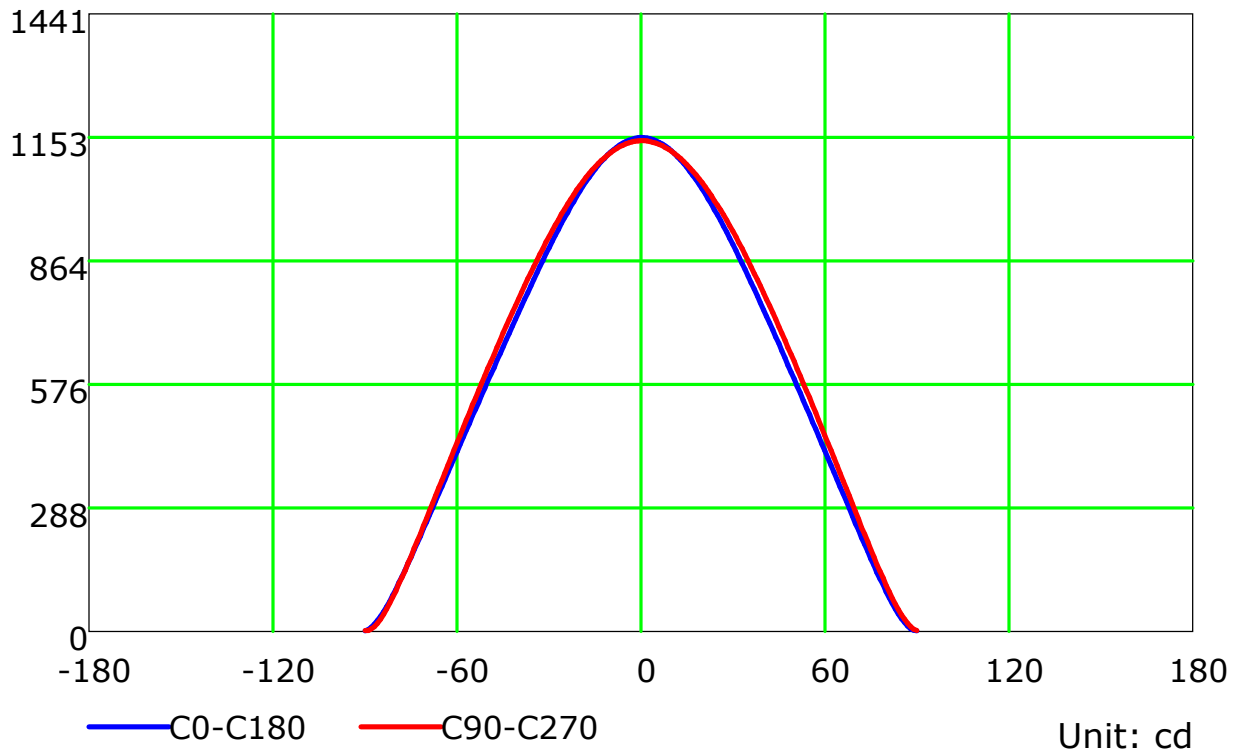
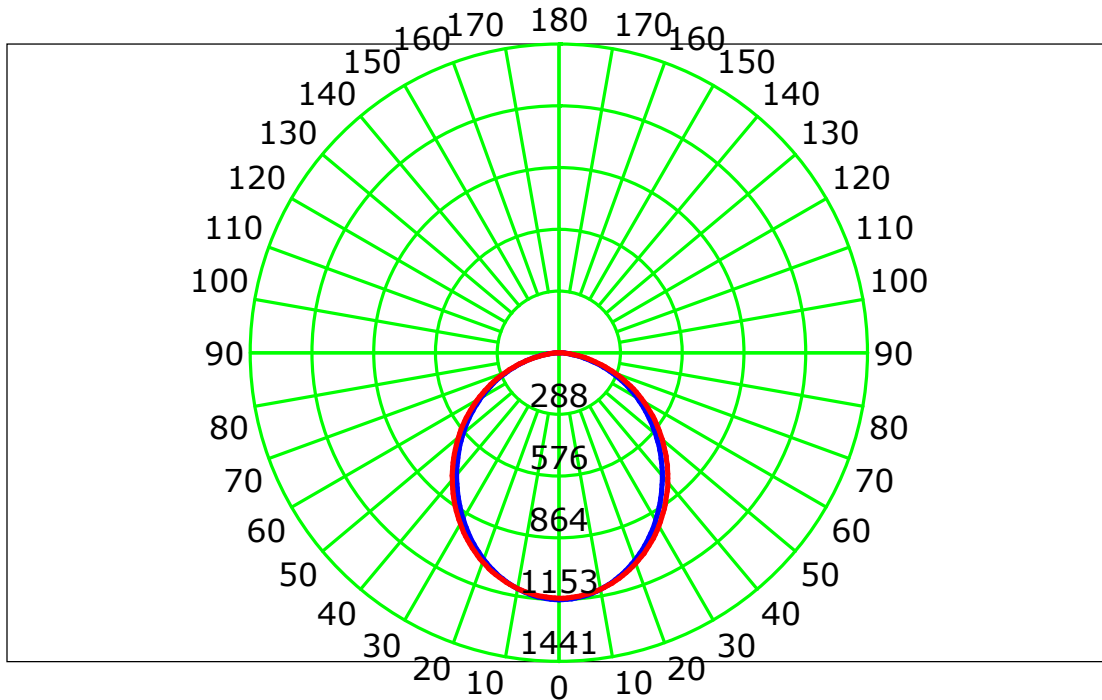
Temperature: 25.2

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

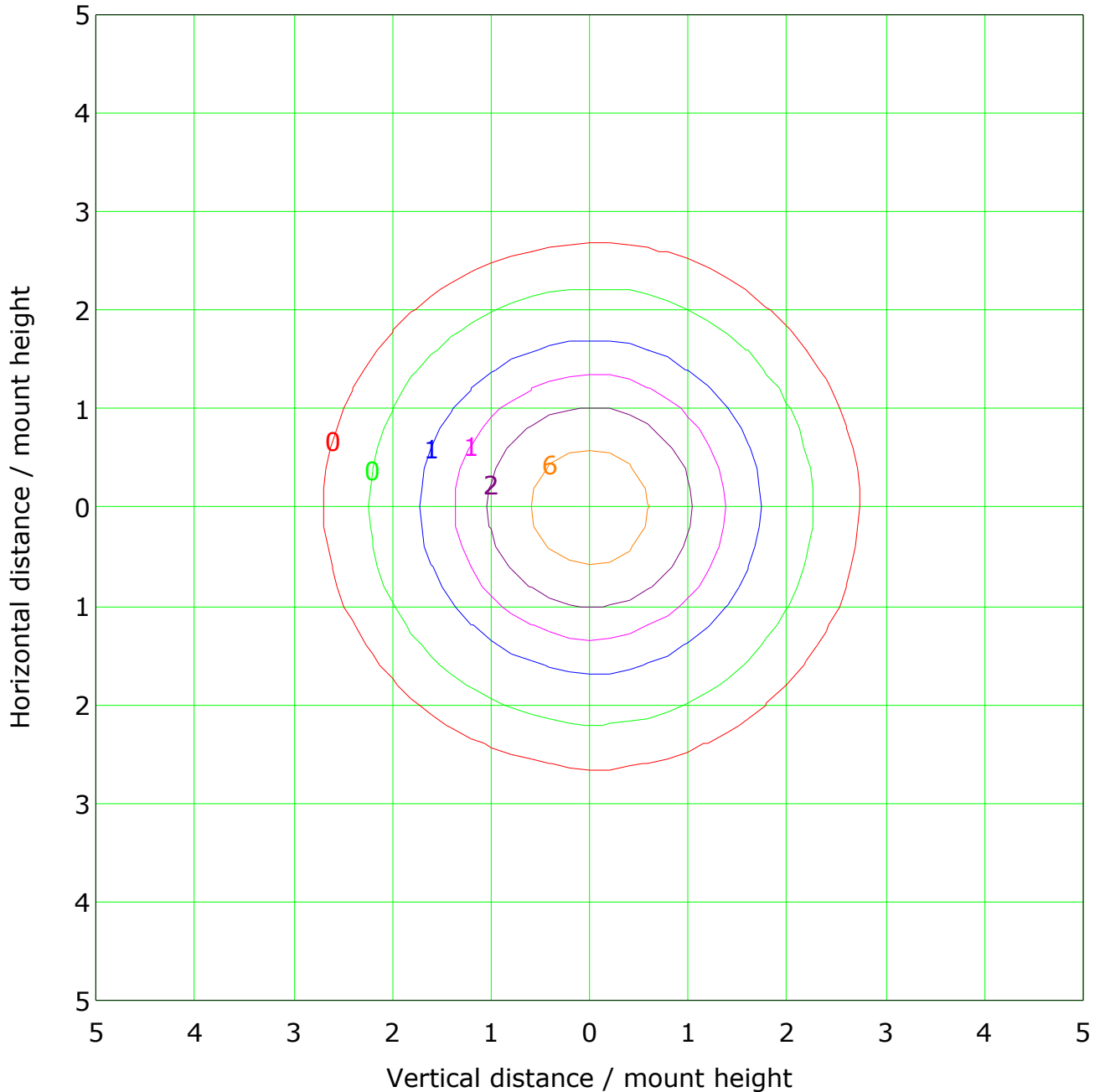
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.2
 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%): 11.5 lx

(1%): 0.1 lx (2%): 0.2 lx

(5%): 0.6 lx (10%): 1.2 lx

C Plane (°):0.0-360.0: 10.0, \, 2.3 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND (100%): 11.5 lx

Test Device: LSG-1700B ^{IX}

Test Type: TYPE C

Distance: 11.700 m

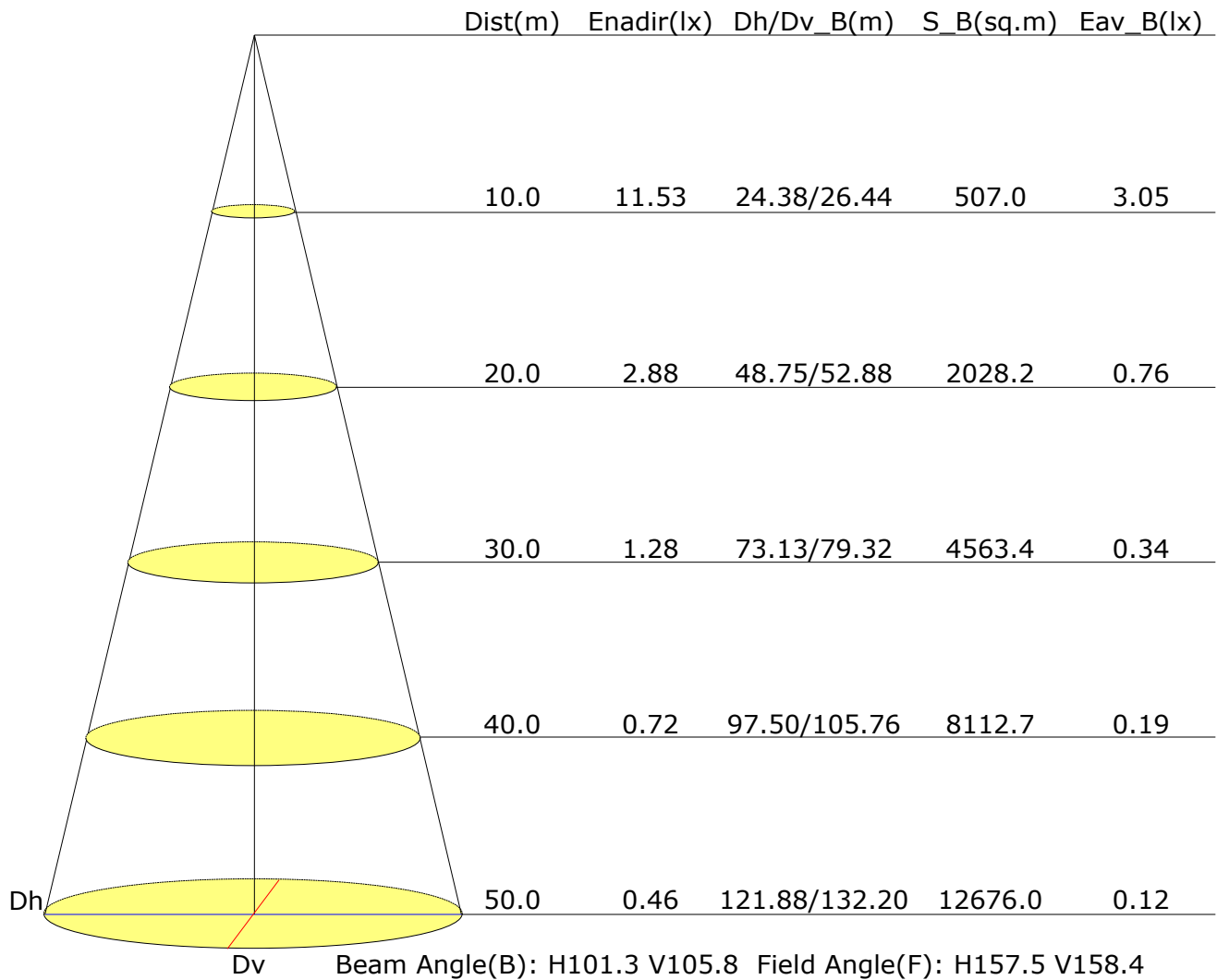
Temperature: 25.2

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	1146.3	1.1	1.1	0.04	0.04
1.0-2.0	1145.8	3.3	4.4	0.11	0.15
2.0-3.0	1144.6	5.5	9.9	0.19	0.33
3.0-4.0	1142.8	7.7	17.5	0.26	0.59
4.0-5.0	1140.5	9.8	27.3	0.33	0.92
5.0-6.0	1137.5	12.0	39.3	0.40	1.33
6.0-7.0	1134.0	14.1	53.4	0.48	1.80
7.0-8.0	1129.9	16.2	69.5	0.55	2.35
8.0-9.0	1125.2	18.2	87.8	0.62	2.97
9.0-10.0	1120.2	20.3	108.0	0.69	3.65
10.0-11.0	1114.4	22.3	130.3	0.75	4.41
11.0-12.0	1108.0	24.2	154.5	0.82	5.23
12.0-13.0	1101.5	26.1	180.7	0.88	6.11
13.0-14.0	1094.2	28.0	208.7	0.95	7.06
14.0-15.0	1086.3	29.8	238.5	1.01	8.07
15.0-16.0	1078.0	31.6	270.1	1.07	9.13
16.0-17.0	1069.1	33.3	303.4	1.13	10.26
17.0-18.0	1060.2	35.0	338.4	1.18	11.44
18.0-19.0	1050.4	36.6	374.9	1.24	12.68
19.0-20.0	1040.2	38.1	413.0	1.29	13.97
20.0-21.0	1030.0	39.6	452.6	1.34	15.30
21.0-22.0	1018.8	40.9	493.5	1.38	16.69
22.0-23.0	1007.5	42.3	535.8	1.43	18.12
23.0-24.0	995.8	43.5	579.3	1.47	19.59
24.0-25.0	983.6	44.7	624.1	1.51	21.10
25.0-26.0	971.6	45.9	669.9	1.55	22.66
26.0-27.0	958.8	46.9	716.8	1.59	24.24
27.0-28.0	945.8	47.9	764.7	1.62	25.86
28.0-29.0	932.8	48.8	813.5	1.65	27.51
29.0-30.0	919.1	49.6	863.2	1.68	29.19
30.0-31.0	905.3	50.4	913.6	1.70	30.90
31.0-32.0	891.1	51.1	964.6	1.73	32.62
32.0-33.0	876.7	51.7	1016.3	1.75	34.37
33.0-34.0	862.6	52.2	1068.5	1.77	36.13
34.0-35.0	847.8	52.7	1121.1	1.78	37.91
35.0-36.0	832.7	53.0	1174.2	1.79	39.71

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.2
 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	817.8	53.3	1227.5	1.80	41.51
37.0-38.0	802.4	53.6	1281.1	1.81	43.32
38.0-39.0	787.3	53.7	1334.8	1.82	45.14
39.0-40.0	771.6	53.8	1388.6	1.82	46.96
40.0-41.0	755.9	53.8	1442.5	1.82	48.78
41.0-42.0	740.7	53.8	1496.3	1.82	50.60
42.0-43.0	724.5	53.7	1550.0	1.82	52.42
43.0-44.0	708.4	53.5	1603.4	1.81	54.23
44.0-45.0	692.5	53.2	1656.7	1.80	56.03
45.0-46.0	676.1	52.9	1709.6	1.79	57.81
46.0-47.0	660.1	52.5	1762.1	1.78	59.59
47.0-48.0	643.6	52.0	1814.1	1.76	61.35
48.0-49.0	627.0	51.5	1865.6	1.74	63.09
49.0-50.0	611.0	51.0	1916.5	1.72	64.81
50.0-51.0	594.3	50.3	1966.8	1.70	66.52
51.0-52.0	577.6	49.6	2016.4	1.68	68.19
52.0-53.0	561.1	48.8	2065.2	1.65	69.84
53.0-54.0	544.1	48.0	2113.2	1.62	71.46
54.0-55.0	527.5	47.1	2160.3	1.59	73.06
55.0-56.0	510.5	46.1	2206.4	1.56	74.62
56.0-57.0	493.4	45.1	2251.5	1.53	76.14
57.0-58.0	477.2	44.1	2295.7	1.49	77.64
58.0-59.0	460.0	43.0	2338.7	1.45	79.09
59.0-60.0	442.8	41.8	2380.5	1.41	80.51
60.0-61.0	425.7	40.6	2421.1	1.37	81.88
61.0-62.0	408.4	39.4	2460.5	1.33	83.21
62.0-63.0	391.7	38.1	2498.6	1.29	84.50
63.0-64.0	374.3	36.7	2535.3	1.24	85.74
64.0-65.0	357.0	35.3	2570.7	1.19	86.94
65.0-66.0	340.2	34.0	2604.6	1.15	88.08
66.0-67.0	322.8	32.5	2637.1	1.10	89.18
67.0-68.0	305.6	31.0	2668.1	1.05	90.23
68.0-69.0	288.3	29.4	2697.5	0.99	91.22
69.0-70.0	270.9	27.8	2725.3	0.94	92.17
70.0-71.0	254.1	26.3	2751.6	0.89	93.05
71.0-72.0	237.0	24.6	2776.2	0.83	93.89

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
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 Temperature: 25.2
 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	219.9	23.0	2799.2	0.78	94.66
73.0-74.0	203.4	21.4	2820.6	0.72	95.39
74.0-75.0	186.4	19.7	2840.3	0.67	96.05
75.0-76.0	169.9	18.0	2858.3	0.61	96.66
76.0-77.0	153.4	16.4	2874.7	0.55	97.22
77.0-78.0	137.1	14.7	2889.4	0.50	97.71
78.0-79.0	122.0	13.1	2902.5	0.44	98.16
79.0-80.0	106.6	11.5	2914.0	0.39	98.55
80.0-81.0	91.6	9.9	2923.9	0.34	98.88
81.0-82.0	77.6	8.4	2932.3	0.28	99.17
82.0-83.0	63.9	6.9	2939.2	0.23	99.40
83.0-84.0	51.3	5.6	2944.8	0.19	99.59
84.0-85.0	39.5	4.3	2949.1	0.15	99.74
85.0-86.0	28.8	3.2	2952.3	0.11	99.84
86.0-87.0	19.9	2.2	2954.5	0.07	99.92
87.0-88.0	12.4	1.4	2955.8	0.05	99.96
88.0-89.0	6.7	0.7	2956.6	0.03	99.99
89.0-90.0	3.6	0.4	2957.0	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: