

Report No.: MSL-218

Test Time: 2019-11-05 12:03

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Panel Stil Led Backlight 60x120 60W

Luminous Length (mm): 1155

Luminous Width (mm): 555

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.470 A

Power: 56.23 W

Power Factor: 0.995

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 6798.8 lm

Measurement Flux: 6798.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.4, 163.6, 163.0, 163.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.4, 114.9, 114.5, 114.6

Luminaire Efficacy Rating (LER): 120.96

Central Intensity: 2316.17 cd

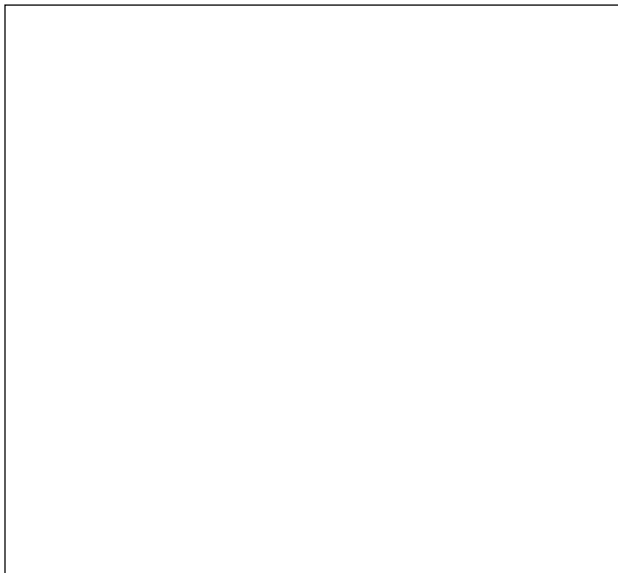
Max. Intensity: 2324.39 cd

Pos of Max. Intensity: H120 V1

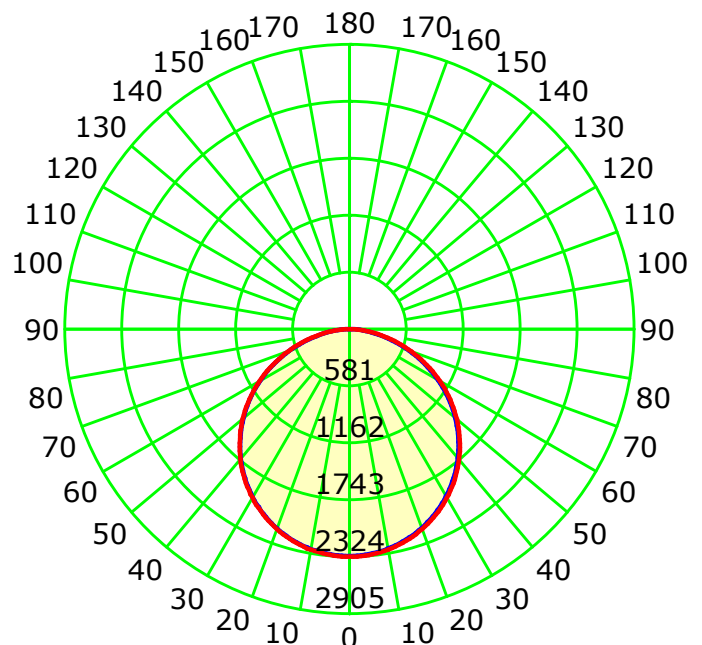
S/MH(C0/C180): 1.27

S/MH(C90/C270): 1.27

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

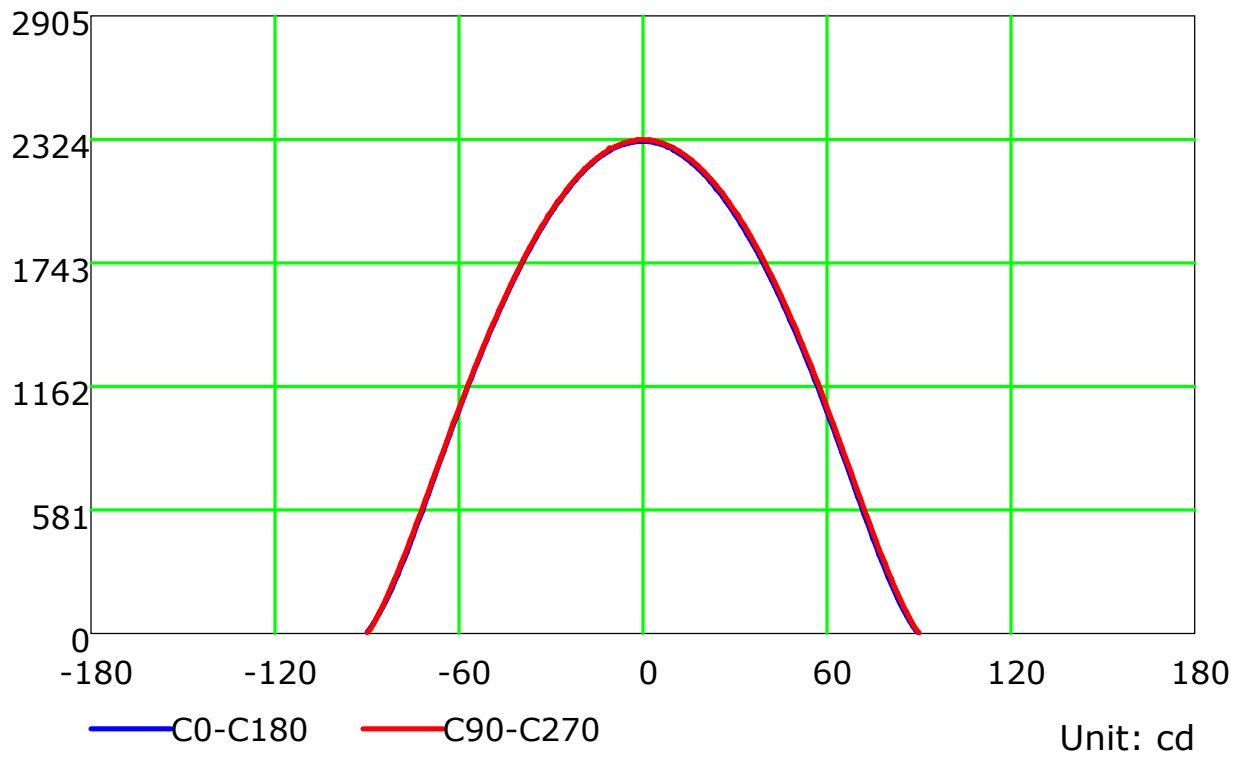
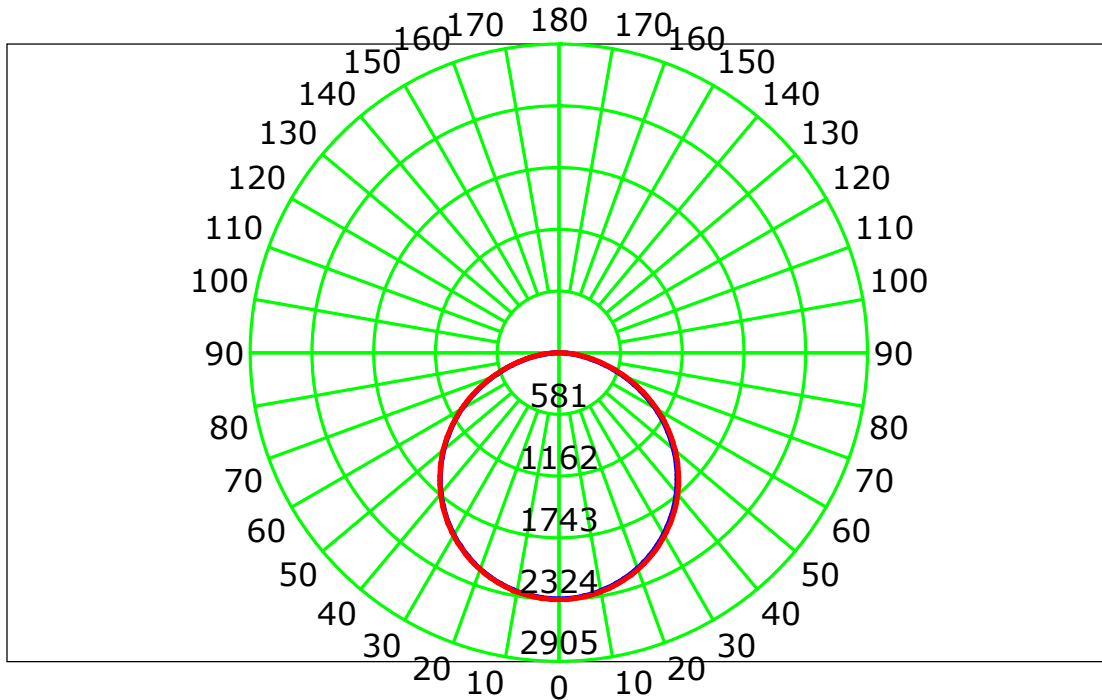
Temperature: 24.7

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

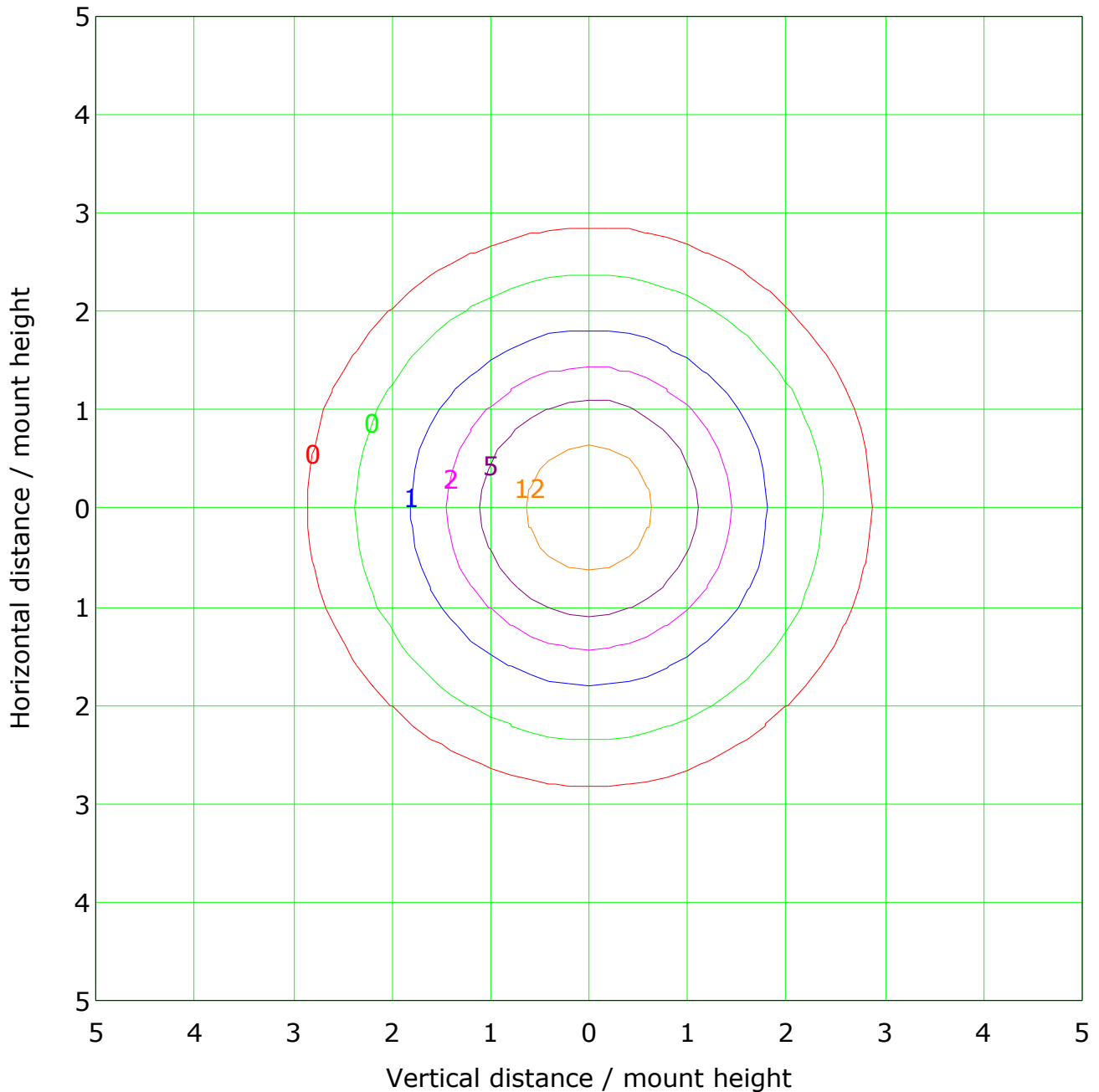
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.7
 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%): 23.2 lx

— (1%): 0.2 lx

— (2%): 0.5 lx

— (5%): 1.2 lx

— (10%): 2.3 lx

C Plane (°):0.0-360.0: 10.0, \, 4.6 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND (100%): 23.2 lx

Test Device: LSG-1700B' lx

Test Type: TYPE C

Distance: 11.700 m

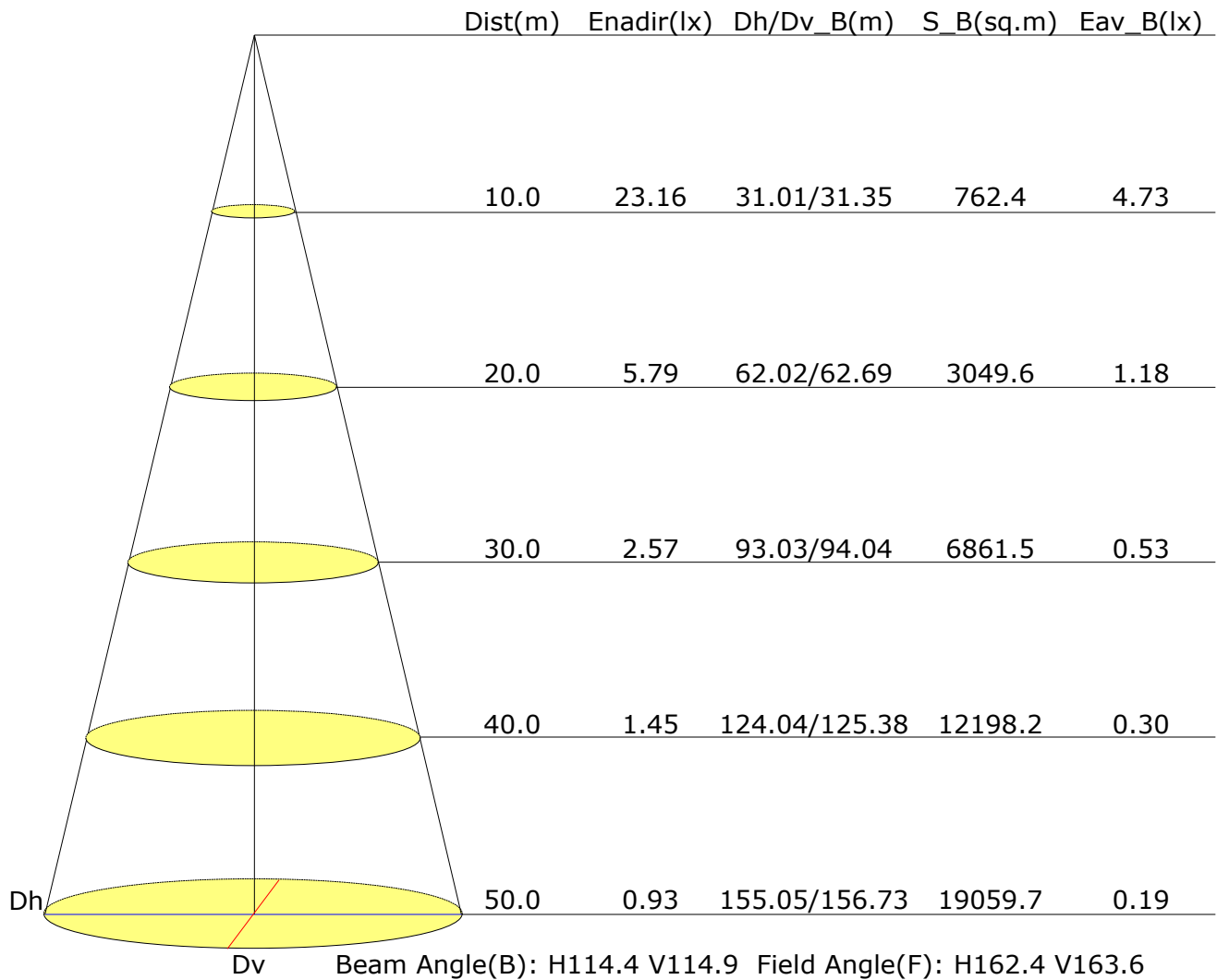
Temperature: 24.7

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	2320.7	2.2	2.2	0.03	0.03
1.0-2.0	2319.9	6.7	8.9	0.10	0.13
2.0-3.0	2318.3	11.1	20.0	0.16	0.29
3.0-4.0	2315.9	15.5	35.5	0.23	0.52
4.0-5.0	2312.9	19.9	55.4	0.29	0.81
5.0-6.0	2309.1	24.3	79.6	0.36	1.17
6.0-7.0	2304.6	28.6	108.3	0.42	1.59
7.0-8.0	2299.2	32.9	141.2	0.48	2.08
8.0-9.0	2293.0	37.2	178.3	0.55	2.62
9.0-10.0	2286.2	41.4	219.7	0.61	3.23
10.0-11.0	2278.3	45.5	265.2	0.67	3.90
11.0-12.0	2269.7	49.6	314.9	0.73	4.63
12.0-13.0	2260.9	53.7	368.5	0.79	5.42
13.0-14.0	2250.8	57.6	426.1	0.85	6.27
14.0-15.0	2240.1	61.5	487.6	0.90	7.17
15.0-16.0	2228.9	65.3	553.0	0.96	8.13
16.0-17.0	2216.6	69.0	622.0	1.02	9.15
17.0-18.0	2204.2	72.7	694.7	1.07	10.22
18.0-19.0	2190.3	76.2	770.9	1.12	11.34
19.0-20.0	2175.8	79.6	850.5	1.17	12.51
20.0-21.0	2161.3	83.0	933.6	1.22	13.73
21.0-22.0	2145.3	86.2	1019.8	1.27	15.00
22.0-23.0	2128.6	89.3	1109.1	1.31	16.31
23.0-24.0	2111.4	92.3	1201.4	1.36	17.67
24.0-25.0	2093.3	95.2	1296.6	1.40	19.07
25.0-26.0	2074.8	98.0	1394.6	1.44	20.51
26.0-27.0	2055.4	100.6	1495.1	1.48	21.99
27.0-28.0	2035.4	103.1	1598.2	1.52	23.51
28.0-29.0	2015.3	105.4	1703.7	1.55	25.06
29.0-30.0	1993.7	107.7	1811.3	1.58	26.64
30.0-31.0	1971.8	109.7	1921.1	1.61	28.26
31.0-32.0	1949.0	111.7	2032.7	1.64	29.90
32.0-33.0	1925.6	113.5	2146.2	1.67	31.57
33.0-34.0	1902.3	115.1	2261.3	1.69	33.26
34.0-35.0	1877.5	116.6	2377.9	1.72	34.98
35.0-36.0	1852.1	117.9	2495.9	1.73	36.71

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
 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	1826.5	119.1	2615.0	1.75	38.46
37.0-38.0	1799.7	120.1	2735.2	1.77	40.23
38.0-39.0	1773.1	121.0	2856.2	1.78	42.01
39.0-40.0	1745.2	121.7	2977.9	1.79	43.80
40.0-41.0	1716.8	122.3	3100.2	1.80	45.60
41.0-42.0	1688.9	122.7	3222.9	1.80	47.40
42.0-43.0	1658.8	122.9	3345.8	1.81	49.21
43.0-44.0	1628.4	122.9	3468.8	1.81	51.02
44.0-45.0	1598.2	122.8	3591.6	1.81	52.83
45.0-46.0	1566.7	122.5	3714.1	1.80	54.63
46.0-47.0	1535.2	122.1	3836.2	1.80	56.43
47.0-48.0	1502.5	121.5	3957.7	1.79	58.21
48.0-49.0	1469.6	120.7	4078.4	1.78	59.99
49.0-50.0	1437.5	119.9	4198.3	1.76	61.75
50.0-51.0	1403.2	118.7	4317.0	1.75	63.50
51.0-52.0	1368.6	117.5	4434.5	1.73	65.22
52.0-53.0	1334.2	116.1	4550.6	1.71	66.93
53.0-54.0	1298.4	114.5	4665.0	1.68	68.62
54.0-55.0	1262.8	112.7	4777.7	1.66	70.27
55.0-56.0	1226.2	110.8	4888.6	1.63	71.90
56.0-57.0	1189.2	108.7	4997.3	1.60	73.50
57.0-58.0	1153.3	106.7	5104.0	1.57	75.07
58.0-59.0	1115.2	104.3	5208.2	1.53	76.61
59.0-60.0	1076.7	101.7	5310.0	1.50	78.10
60.0-61.0	1038.4	99.1	5409.1	1.46	79.56
61.0-62.0	999.5	96.3	5505.4	1.42	80.98
62.0-63.0	961.6	93.5	5598.9	1.38	82.35
63.0-64.0	921.7	90.5	5689.4	1.33	83.68
64.0-65.0	881.7	87.3	5776.7	1.28	84.97
65.0-66.0	843.0	84.1	5860.8	1.24	86.20
66.0-67.0	802.8	80.7	5941.5	1.19	87.39
67.0-68.0	763.0	77.3	6018.8	1.14	88.53
68.0-69.0	722.9	73.8	6092.6	1.08	89.61
69.0-70.0	682.3	70.1	6162.7	1.03	90.64
70.0-71.0	643.5	66.5	6229.2	0.98	91.62
71.0-72.0	603.4	62.7	6291.9	0.92	92.54

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
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 Temperature: 24.7
 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	563.6	58.9	6350.9	0.87	93.41
73.0-74.0	525.3	55.2	6406.1	0.81	94.22
74.0-75.0	486.0	51.4	6457.5	0.76	94.98
75.0-76.0	447.5	47.5	6505.0	0.70	95.68
76.0-77.0	409.4	43.7	6548.6	0.64	96.32
77.0-78.0	371.9	39.8	6588.5	0.59	96.91
78.0-79.0	336.9	36.2	6624.7	0.53	97.44
79.0-80.0	301.1	32.5	6657.1	0.48	97.92
80.0-81.0	266.1	28.8	6685.9	0.42	98.34
81.0-82.0	233.0	25.3	6711.2	0.37	98.71
82.0-83.0	200.2	21.8	6733.0	0.32	99.03
83.0-84.0	169.2	18.4	6751.4	0.27	99.30
84.0-85.0	138.8	15.2	6766.5	0.22	99.53
85.0-86.0	109.6	12.0	6778.5	0.18	99.70
86.0-87.0	82.9	9.1	6787.6	0.13	99.83
87.0-88.0	56.5	6.2	6793.8	0.09	99.93
88.0-89.0	32.3	3.5	6797.3	0.05	99.98
89.0-90.0	13.5	1.5	6798.8	0.02	100.00

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
 Distance: 11.700 m
 Humidity:
 Inspector: