

Report No.: MSL-97

Test Time: 2019-04-05 13:22

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Perfil STPL6545-C 62.5CM 20W

Luminous Length (mm): 625

Luminous Width (mm): 25

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.168 A

Power: 20.01 W

Power Factor: 0.986

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 975.7 lm

Measurement Flux: 975.7 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 126.0, 158.7, 137.4, 137.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 90.0, 105.5, 99.1, 99.2

Luminaire Efficacy Rating (LER): 48.81

Central Intensity: 435.63 cd

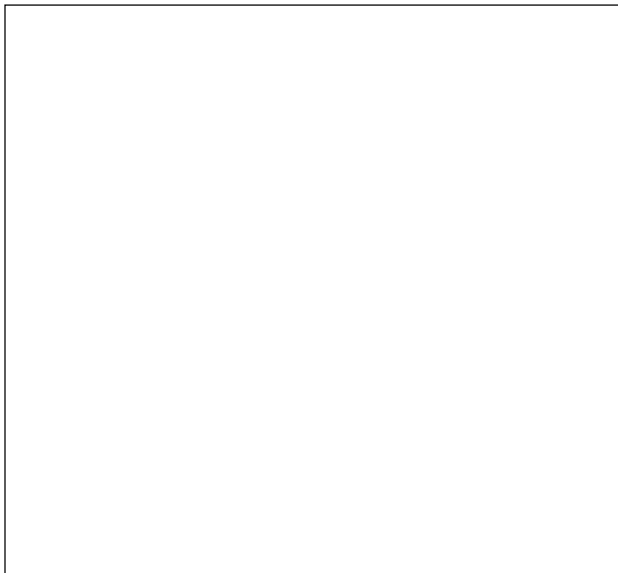
Max. Intensity: 435.64 cd

Pos of Max. Intensity: H0 V0

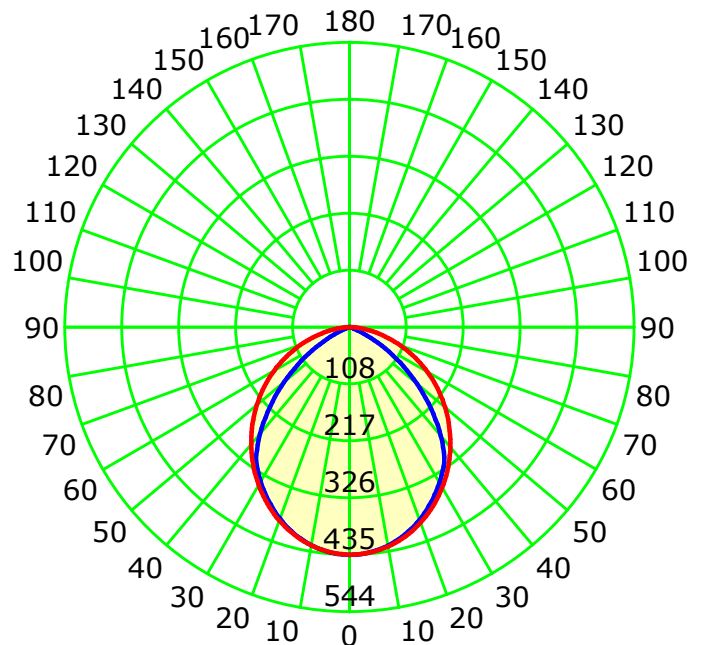
S/MH(C0/C180): 1.18

S/MH(C90/C270): 1.20

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

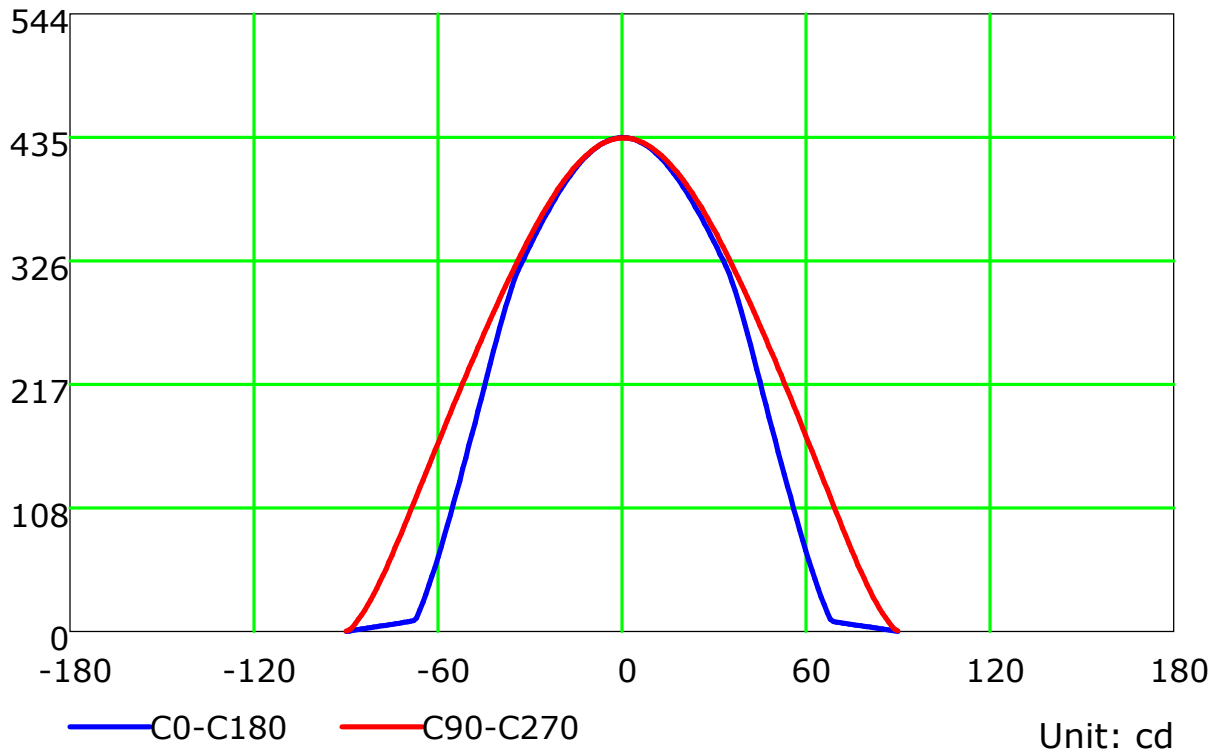
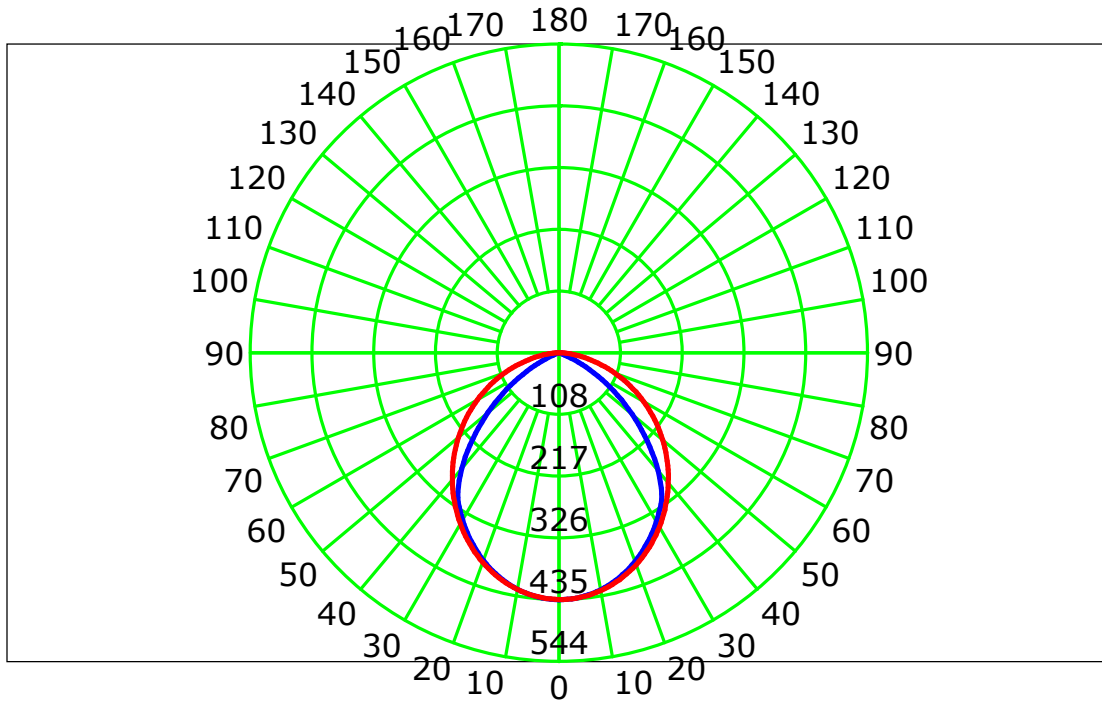
Temperature: 25.9

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

Luminous Intensity Distribution Curve

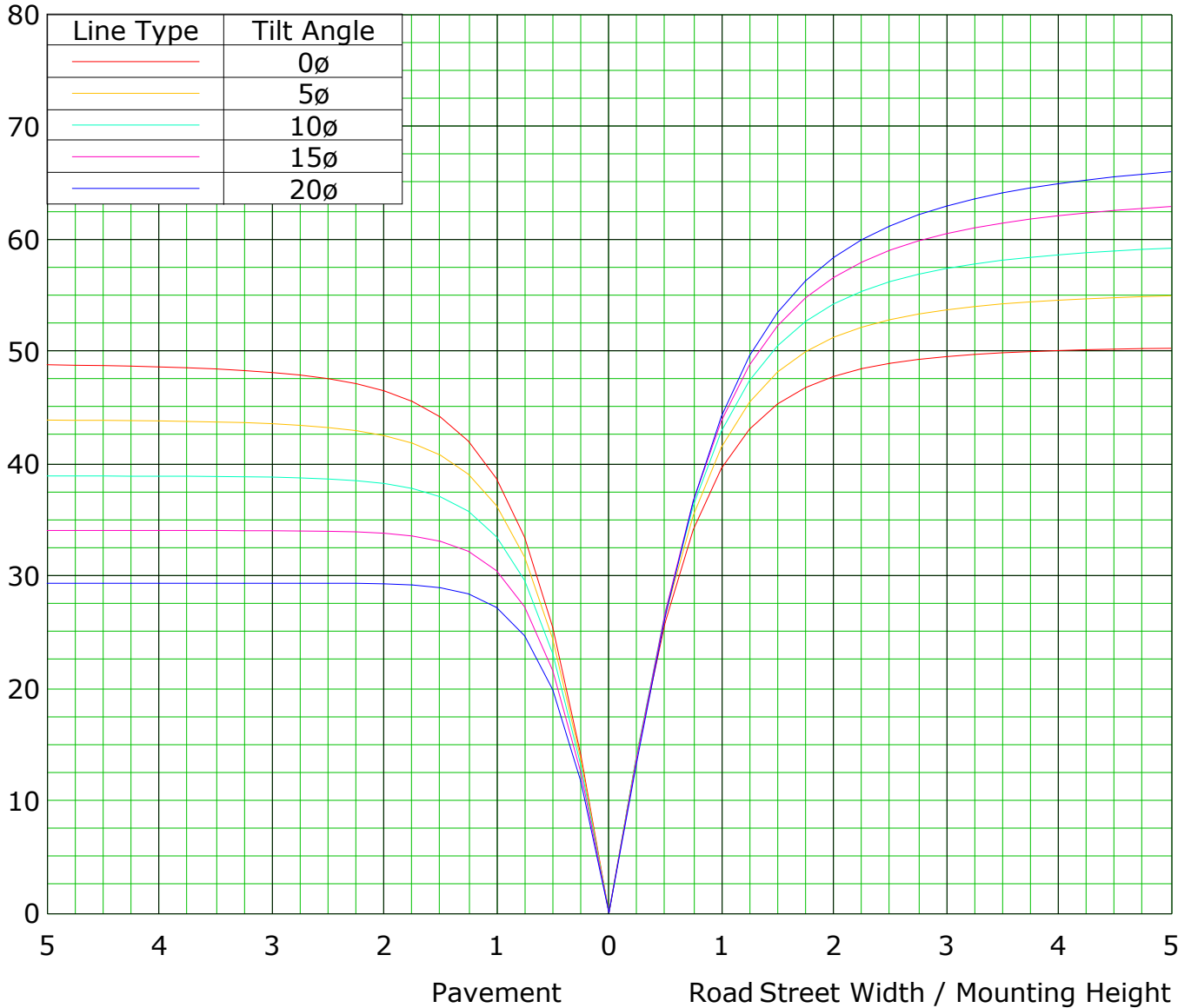


C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.9
 Operator: Cristian Herrera Arismendy

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

Roadway CU Curve

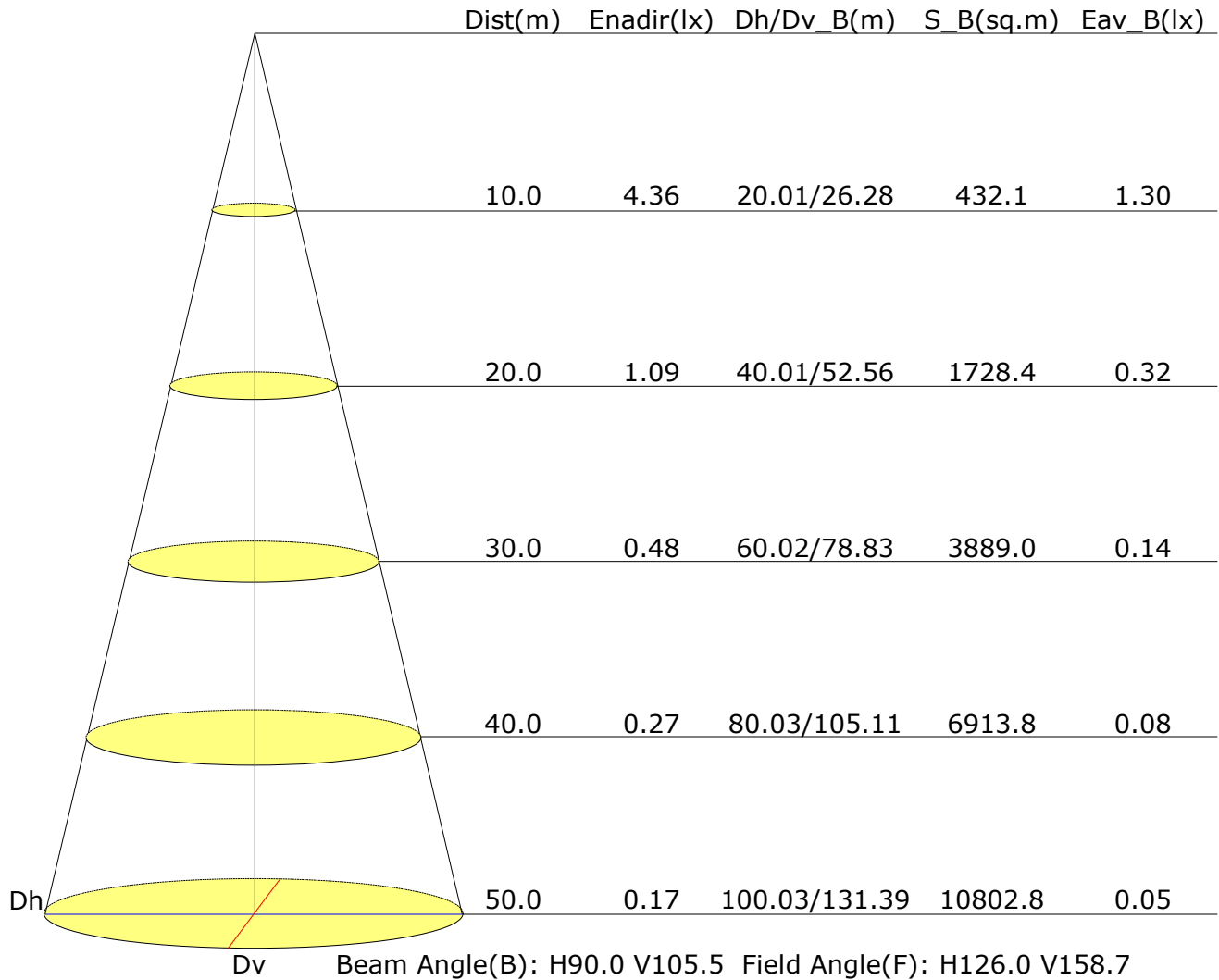
Efficiency(%)



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.9
 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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	435.3	0.4	0.4	0.04	0.04
1.0-2.0	435.1	1.2	1.7	0.13	0.17
2.0-3.0	434.7	2.1	3.7	0.21	0.38
3.0-4.0	434.0	2.9	6.7	0.30	0.68
4.0-5.0	433.1	3.7	10.4	0.38	1.06
5.0-6.0	432.0	4.5	14.9	0.47	1.53
6.0-7.0	430.7	5.3	20.3	0.55	2.08
7.0-8.0	429.1	6.1	26.4	0.63	2.71
8.0-9.0	427.4	6.9	33.3	0.71	3.42
9.0-10.0	425.4	7.7	41.0	0.79	4.21
10.0-11.0	423.3	8.5	49.5	0.87	5.07
11.0-12.0	420.9	9.2	58.7	0.94	6.02
12.0-13.0	418.4	9.9	68.6	1.02	7.03
13.0-14.0	415.6	10.6	79.3	1.09	8.12
14.0-15.0	412.7	11.3	90.6	1.16	9.28
15.0-16.0	409.5	12.0	102.6	1.23	10.51
16.0-17.0	406.2	12.7	115.2	1.30	11.81
17.0-18.0	402.8	13.3	128.5	1.36	13.17
18.0-19.0	399.1	13.9	142.4	1.42	14.60
19.0-20.0	395.2	14.5	156.9	1.48	16.08
20.0-21.0	391.3	15.0	171.9	1.54	17.62
21.0-22.0	387.1	15.6	187.5	1.59	19.21
22.0-23.0	382.8	16.1	203.5	1.65	20.86
23.0-24.0	378.4	16.5	220.1	1.70	22.56
24.0-25.0	373.8	17.0	237.1	1.74	24.30
25.0-26.0	369.2	17.4	254.5	1.79	26.08
26.0-27.0	364.3	17.8	272.3	1.83	27.91
27.0-28.0	359.3	18.2	290.5	1.86	29.78
28.0-29.0	354.4	18.5	309.1	1.90	31.68
29.0-30.0	349.1	18.9	327.9	1.93	33.61
30.0-31.0	343.8	19.1	347.1	1.96	35.57
31.0-32.0	338.4	19.4	366.5	1.99	37.56
32.0-33.0	332.9	19.6	386.1	2.01	39.57
33.0-34.0	327.5	19.8	405.9	2.03	41.60
34.0-35.0	321.8	20.0	425.9	2.05	43.65
35.0-36.0	315.9	20.1	446.0	2.06	45.71

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.9
 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	309.7	20.2	466.2	2.07	47.78
37.0-38.0	303.2	20.2	486.4	2.07	49.85
38.0-39.0	296.6	20.2	506.7	2.08	51.93
39.0-40.0	289.6	20.2	526.9	2.07	54.00
40.0-41.0	282.4	20.1	547.0	2.06	56.06
41.0-42.0	275.3	20.0	567.0	2.05	58.11
42.0-43.0	267.6	19.8	586.8	2.03	60.14
43.0-44.0	259.7	19.6	606.4	2.01	62.15
44.0-45.0	251.8	19.4	625.8	1.98	64.13
45.0-46.0	243.7	19.1	644.8	1.95	66.09
46.0-47.0	235.6	18.7	663.6	1.92	68.01
47.0-48.0	227.3	18.4	682.0	1.88	69.89
48.0-49.0	218.9	18.0	699.9	1.84	71.74
49.0-50.0	210.7	17.6	717.5	1.80	73.54
50.0-51.0	202.1	17.1	734.6	1.75	75.29
51.0-52.0	193.6	16.6	751.2	1.70	76.99
52.0-53.0	185.1	16.1	767.3	1.65	78.64
53.0-54.0	176.5	15.6	782.9	1.59	80.24
54.0-55.0	168.1	15.0	797.9	1.54	81.77
55.0-56.0	159.3	14.4	812.3	1.48	83.25
56.0-57.0	150.6	13.8	826.1	1.41	84.66
57.0-58.0	142.3	13.2	839.2	1.35	86.01
58.0-59.0	133.7	12.5	851.7	1.28	87.29
59.0-60.0	125.1	11.8	863.6	1.21	88.50
60.0-61.0	116.7	11.1	874.7	1.14	89.65
61.0-62.0	108.2	10.4	885.1	1.07	90.71
62.0-63.0	100.2	9.7	894.9	1.00	91.71
63.0-64.0	92.0	9.0	903.9	0.93	92.64
64.0-65.0	84.0	8.3	912.2	0.85	93.49
65.0-66.0	76.3	7.6	919.8	0.78	94.27
66.0-67.0	68.5	6.9	926.7	0.71	94.98
67.0-68.0	61.1	6.2	932.9	0.63	95.61
68.0-69.0	54.4	5.5	938.5	0.57	96.18
69.0-70.0	48.4	5.0	943.4	0.51	96.69
70.0-71.0	43.2	4.5	947.9	0.46	97.15
71.0-72.0	38.3	4.0	951.9	0.41	97.56

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
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 Temperature: 25.9
 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	33.9	3.5	955.4	0.36	97.92
73.0-74.0	30.0	3.2	958.6	0.32	98.24
74.0-75.0	26.4	2.8	961.4	0.29	98.53
75.0-76.0	23.1	2.4	963.8	0.25	98.78
76.0-77.0	20.1	2.1	966.0	0.22	99.00
77.0-78.0	17.2	1.8	967.8	0.19	99.19
78.0-79.0	14.7	1.6	969.4	0.16	99.35
79.0-80.0	12.5	1.3	970.7	0.14	99.49
80.0-81.0	10.5	1.1	971.9	0.12	99.60
81.0-82.0	8.6	0.9	972.8	0.10	99.70
82.0-83.0	7.1	0.8	973.6	0.08	99.78
83.0-84.0	5.8	0.6	974.2	0.06	99.84
84.0-85.0	4.6	0.5	974.7	0.05	99.89
85.0-86.0	3.4	0.4	975.1	0.04	99.93
86.0-87.0	2.6	0.3	975.4	0.03	99.96
87.0-88.0	1.8	0.2	975.6	0.02	99.98
88.0-89.0	1.1	0.1	975.7	0.01	99.99
89.0-90.0	0.5	0.1	975.7	0.01	100.00