

Report No.: MSL-37

Test Time: 2019-03-08 08:13

## Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Lum Stil Led Round 91Cm 40W

Number of Lamps: 1

Luminous Length (mm): 910 Diametro

Luminous Width (mm): 910 Diametro

Luminous Height (mm): 0

Voltage: 119.8 V

Current: 0.337 A

Power: 40.25 W

Power Factor: 0.996

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2673.4 lm

Measurement Flux: 2673.4 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.6, 159.9, 159.7, 159.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 106.3, 106.4, 106.3, 106.4

Luminaire Efficacy Rating (LER): 66.47

Central Intensity: 999.72 cd

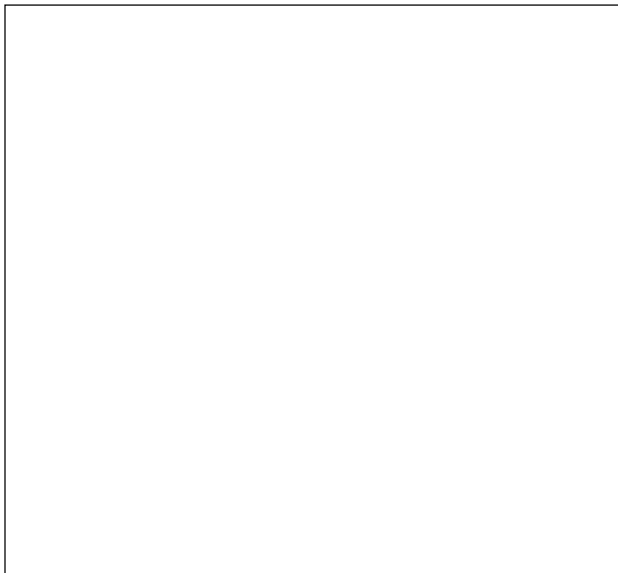
Max. Intensity: 1001.6 cd

Pos of Max. Intensity: H150 V0

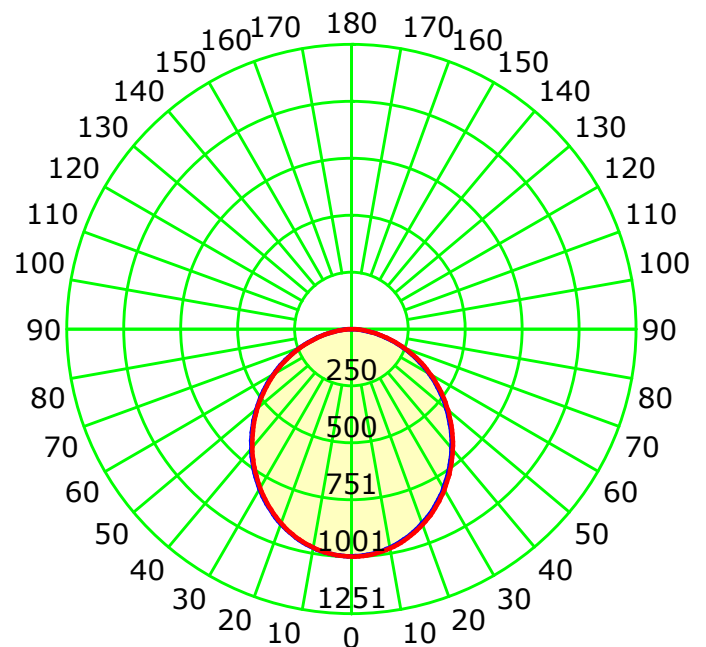
S/MH(C0/C180): 1.21

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: 11.703 m — C90-C270

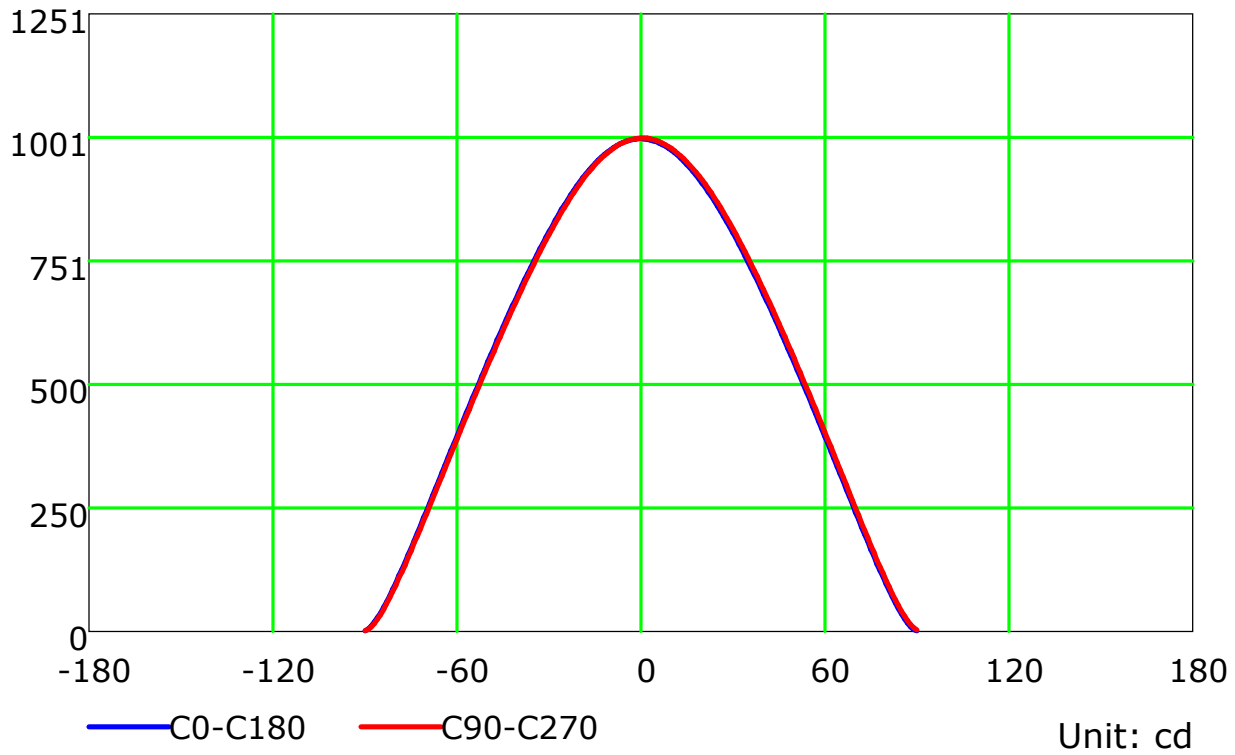
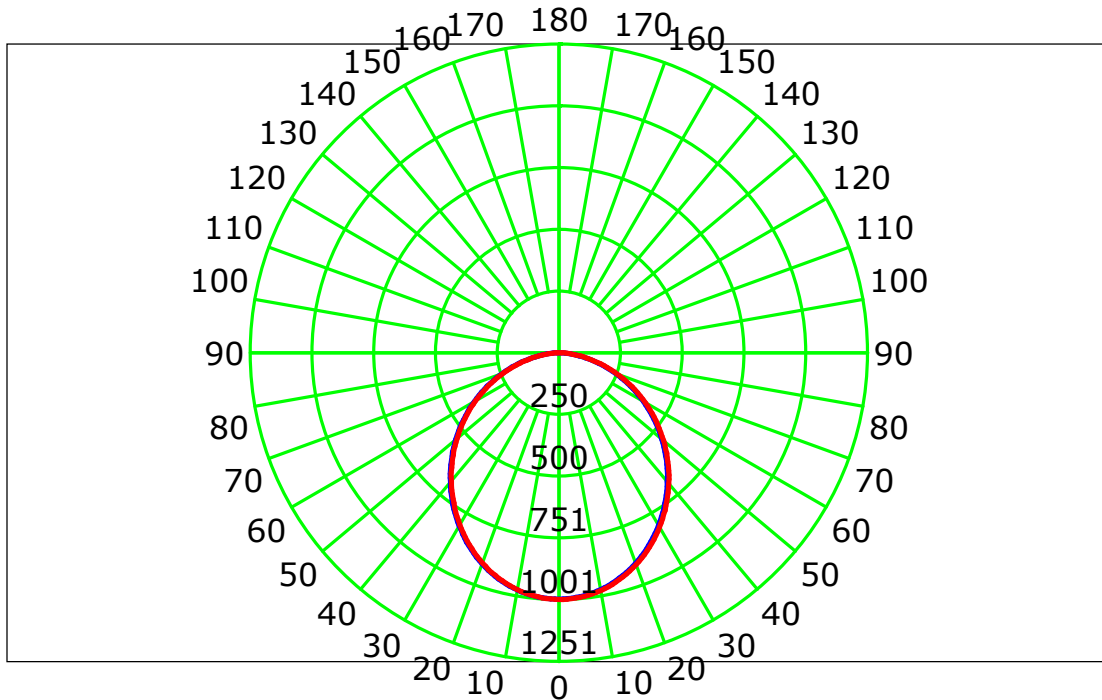
Temperature: 24.7

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

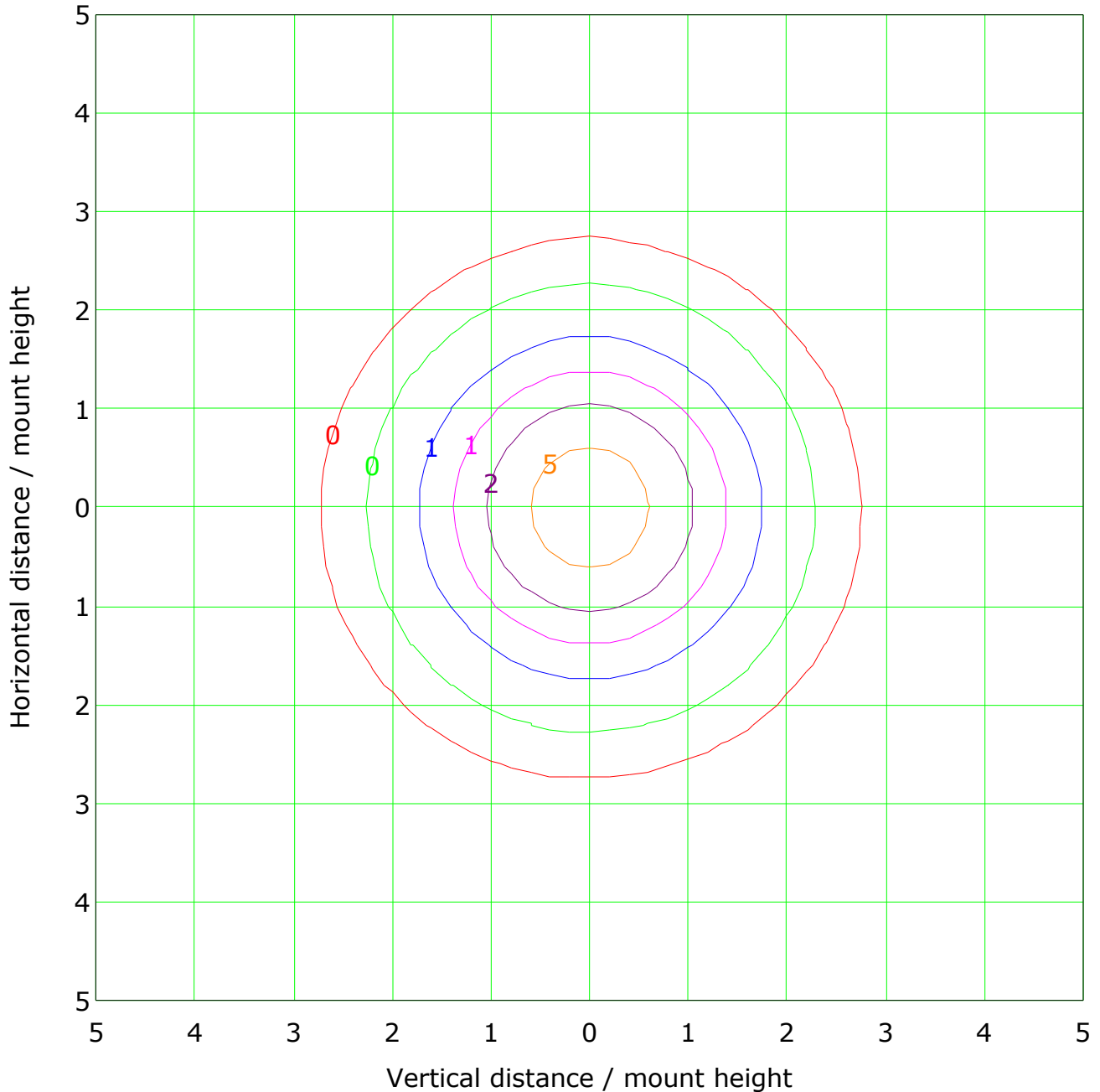
## Luminous Intensity Distribution Curve



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: 11.703 m  
 Humidity:  
 Inspector:

## IsoLux Plot



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

— ( 1%): 0.1 lx

— ( 2%): 0.2 lx

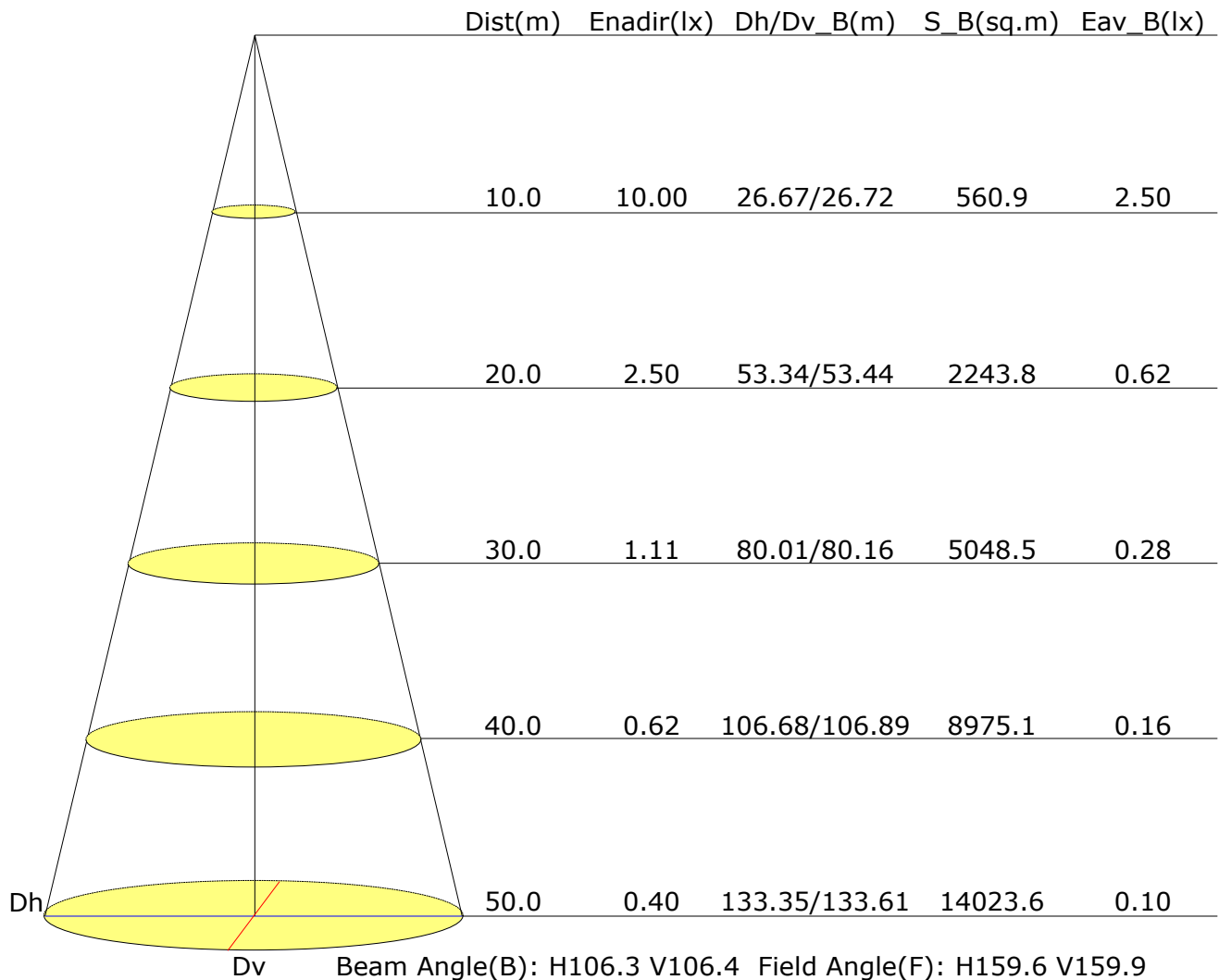
— ( 5%): 0.5 lx

— ( 10%): 1.0 lx

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 lx  
 Distance: 11.703 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	1000.3	1.0	1.0	0.04	0.04
1.0-2.0	999.8	2.9	3.8	0.11	0.14
2.0-3.0	998.9	4.8	8.6	0.18	0.32
3.0-4.0	997.5	6.7	15.3	0.25	0.57
4.0-5.0	995.7	8.6	23.8	0.32	0.89
5.0-6.0	993.4	10.4	34.3	0.39	1.28
6.0-7.0	990.6	12.3	46.6	0.46	1.74
7.0-8.0	987.4	14.1	60.7	0.53	2.27
8.0-9.0	983.8	15.9	76.7	0.60	2.87
9.0-10.0	979.7	17.7	94.4	0.66	3.53
10.0-11.0	975.2	19.5	113.9	0.73	4.26
11.0-12.0	970.2	21.2	135.1	0.79	5.05
12.0-13.0	964.9	22.9	158.0	0.86	5.91
13.0-14.0	959.0	24.5	182.6	0.92	6.83
14.0-15.0	952.7	26.2	208.7	0.98	7.81
15.0-16.0	946.1	27.7	236.4	1.04	8.84
16.0-17.0	939.0	29.2	265.7	1.09	9.94
17.0-18.0	931.8	30.7	296.4	1.15	11.09
18.0-19.0	923.9	32.1	328.6	1.20	12.29
19.0-20.0	915.7	33.5	362.1	1.25	13.54
20.0-21.0	907.4	34.8	396.9	1.30	14.85
21.0-22.0	898.5	36.1	433.0	1.35	16.20
22.0-23.0	889.3	37.3	470.4	1.40	17.59
23.0-24.0	879.8	38.5	508.8	1.44	19.03
24.0-25.0	869.9	39.6	548.4	1.48	20.51
25.0-26.0	860.0	40.6	589.0	1.52	22.03
26.0-27.0	849.5	41.6	630.5	1.55	23.59
27.0-28.0	838.7	42.5	673.0	1.59	25.17
28.0-29.0	828.1	43.3	716.3	1.62	26.80
29.0-30.0	816.8	44.1	760.4	1.65	28.44
30.0-31.0	805.4	44.8	805.3	1.68	30.12
31.0-32.0	793.6	45.5	850.8	1.70	31.82
32.0-33.0	781.7	46.1	896.8	1.72	33.55
33.0-34.0	770.0	46.6	943.4	1.74	35.29
34.0-35.0	757.5	47.1	990.5	1.76	37.05
35.0-36.0	744.9	47.4	1037.9	1.77	38.82

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: 11.703 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	732.3	47.8	1085.7	1.79	40.61
37.0-38.0	719.4	48.0	1133.7	1.80	42.41
38.0-39.0	706.6	48.2	1181.9	1.80	44.21
39.0-40.0	693.3	48.4	1230.3	1.81	46.02
40.0-41.0	679.8	48.4	1278.7	1.81	47.83
41.0-42.0	666.8	48.5	1327.2	1.81	49.64
42.0-43.0	653.0	48.4	1375.5	1.81	51.45
43.0-44.0	639.1	48.2	1423.8	1.80	53.26
44.0-45.0	625.4	48.1	1471.8	1.80	55.05
45.0-46.0	611.2	47.8	1519.6	1.79	56.84
46.0-47.0	597.2	47.5	1567.2	1.78	58.62
47.0-48.0	582.8	47.1	1614.3	1.76	60.38
48.0-49.0	568.3	46.7	1661.0	1.75	62.13
49.0-50.0	554.3	46.2	1707.2	1.73	63.86
50.0-51.0	539.7	45.7	1752.8	1.71	65.57
51.0-52.0	525.0	45.1	1797.9	1.69	67.25
52.0-53.0	510.4	44.4	1842.3	1.66	68.91
53.0-54.0	495.5	43.7	1886.0	1.63	70.55
54.0-55.0	480.9	42.9	1928.9	1.61	72.15
55.0-56.0	465.9	42.1	1971.0	1.57	73.73
56.0-57.0	450.8	41.2	2012.2	1.54	75.27
57.0-58.0	436.2	40.3	2052.6	1.51	76.78
58.0-59.0	420.9	39.4	2091.9	1.47	78.25
59.0-60.0	405.6	38.3	2130.3	1.43	79.68
60.0-61.0	390.4	37.3	2167.5	1.39	81.08
61.0-62.0	375.0	36.1	2203.7	1.35	82.43
62.0-63.0	360.0	35.0	2238.7	1.31	83.74
63.0-64.0	344.5	33.8	2272.5	1.26	85.00
64.0-65.0	329.0	32.6	2305.1	1.22	86.22
65.0-66.0	314.0	31.3	2336.4	1.17	87.39
66.0-67.0	298.4	30.0	2366.4	1.12	88.52
67.0-68.0	282.9	28.7	2395.1	1.07	89.59
68.0-69.0	267.5	27.3	2422.4	1.02	90.61
69.0-70.0	252.0	25.9	2448.2	0.97	91.58
70.0-71.0	237.3	24.5	2472.8	0.92	92.49
71.0-72.0	222.0	23.1	2495.9	0.86	93.36

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: 11.703 m  
 Humidity:  
 Inspector:

