

Report No.: MSL-74

Test Time: 2019-03-27 08:42

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

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

Luminous Length (mm): 85 Diametro

Luminous Width (mm): 85 Diametro

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.316 A

Power: 37.52 W

Power Factor: 0.988

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 2897.9 lm

Measurement Flux: 2897.9 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 80.9, 80.8, 80.8, 80.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 34.4, 34.0, 34.1, 34.1

Luminaire Efficacy Rating (LER): 77.29

Central Intensity: 5566.41 cd

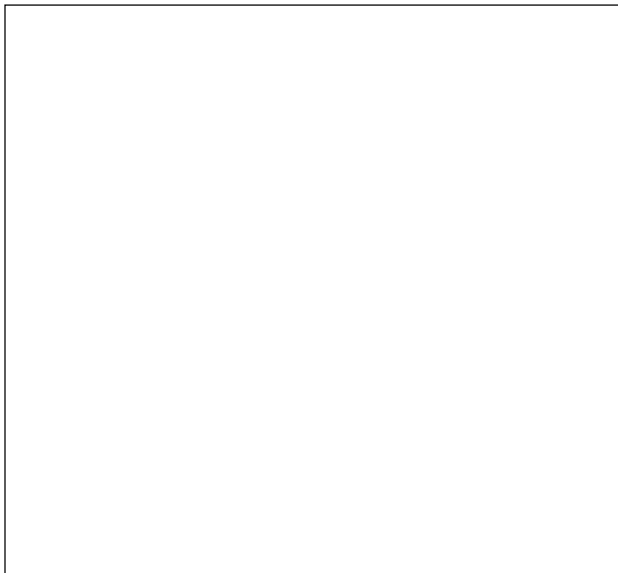
Max. Intensity: 5899.71 cd

Pos of Max. Intensity: H330 V3

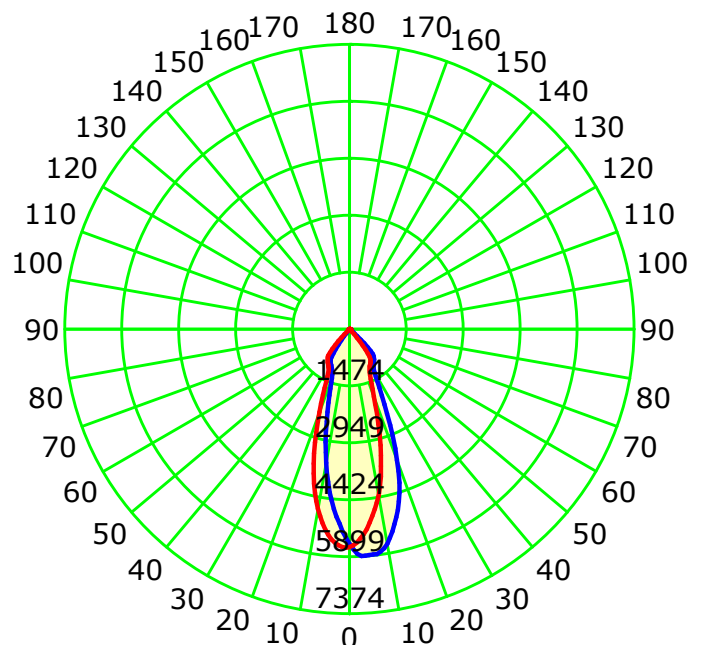
S/MH(C0/C180): 0.60

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

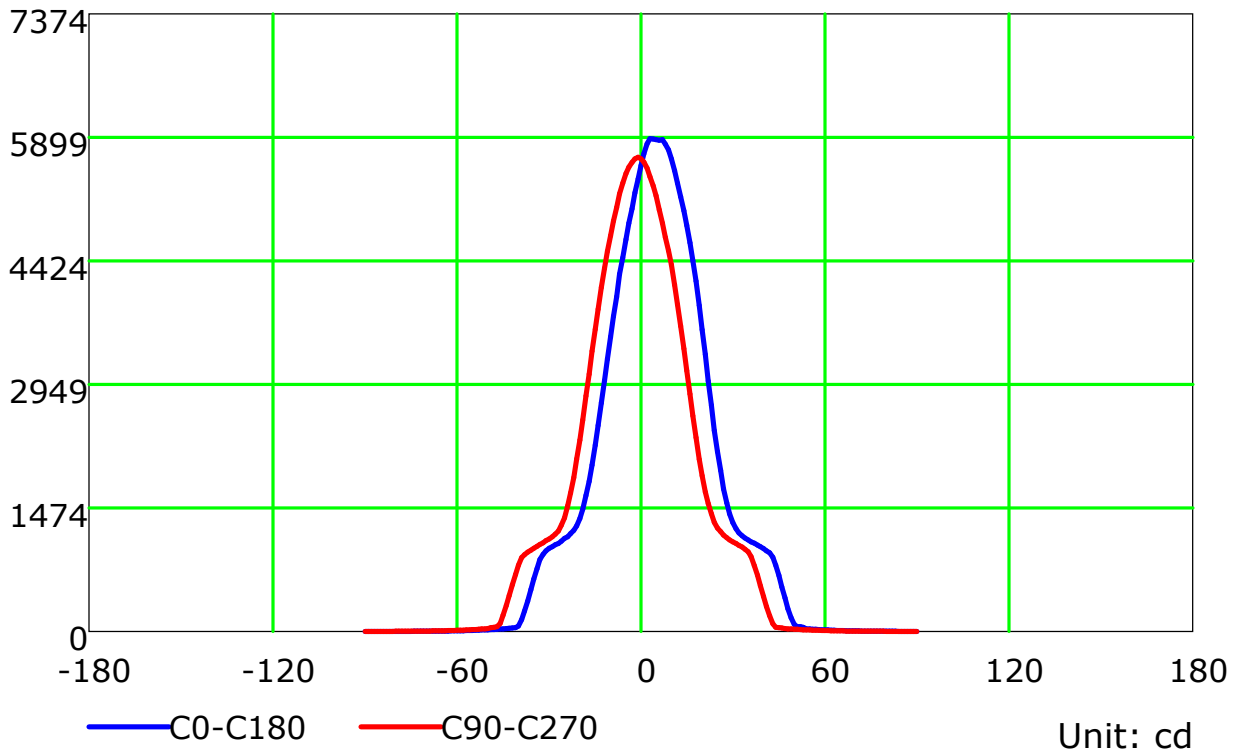
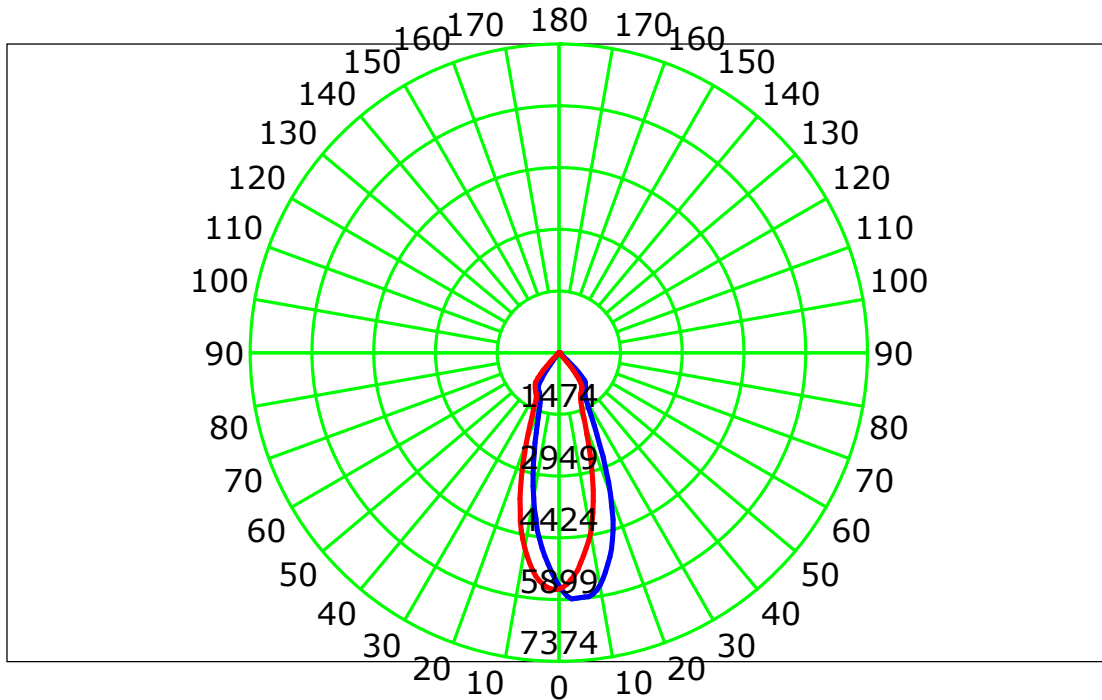
Temperature: 24.7

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

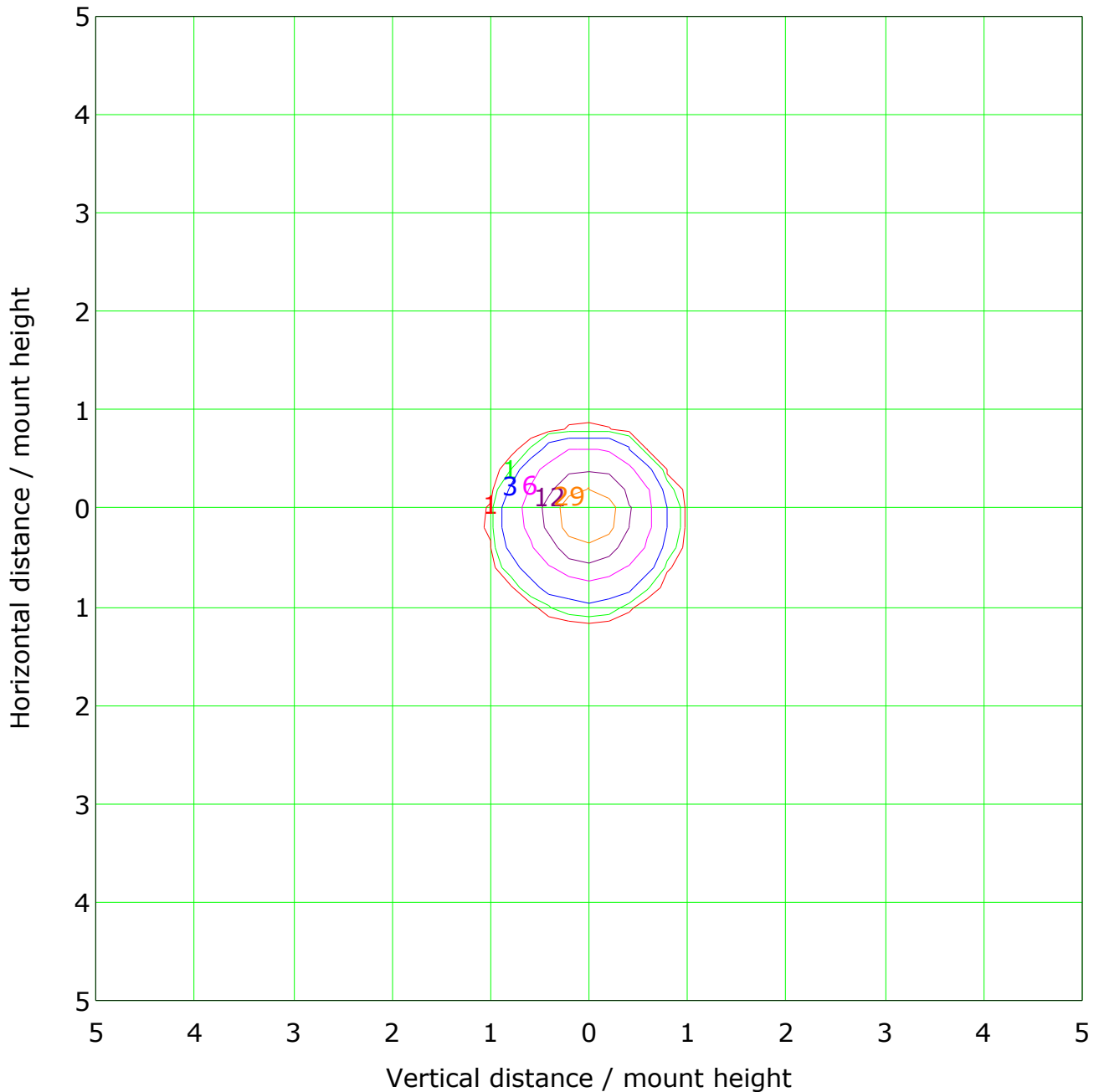
Luminous Intensity Distribution Curve



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%): 58.8 lx

— (1%): 0.6 lx

— (2%): 1.2 lx

— (5%): 2.9 lx

— (10%): 5.8 lx

C Plane (°):0.0-360.0: 10.0, 11.8 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND (100%): 58.8 lx

Test Device: LSG-1700B⁺ lx

Test Type: TYPE C

Distance: 11.700 m

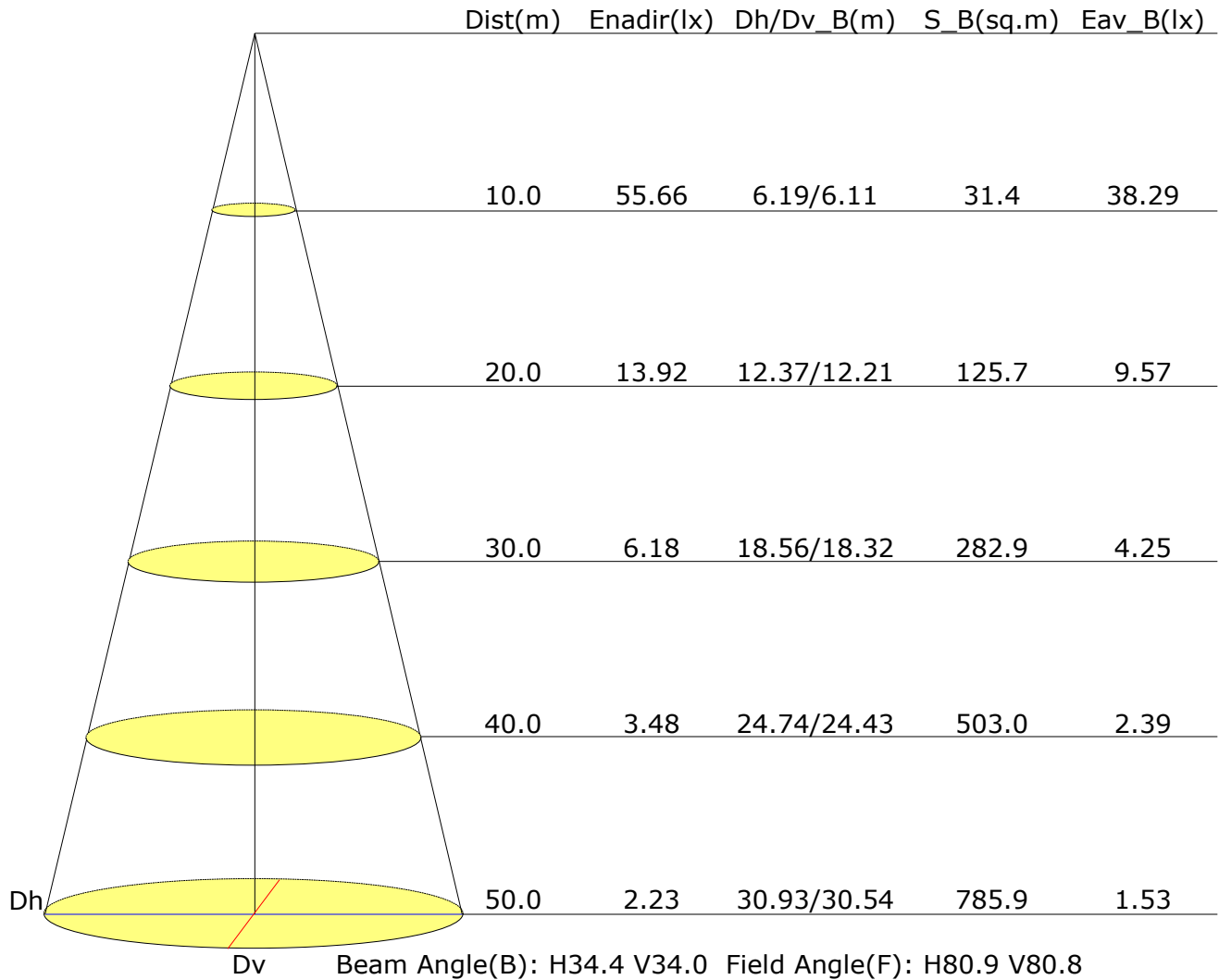
Temperature: 24.7

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	5621.4	5.4	5.4	0.19	0.19
1.0-2.0	5596.8	16.1	21.4	0.55	0.74
2.0-3.0	5542.6	26.5	48.0	0.91	1.65
3.0-4.0	5465.3	36.6	84.5	1.26	2.92
4.0-5.0	5373.5	46.2	130.8	1.60	4.51
5.0-6.0	5262.6	55.3	186.1	1.91	6.42
6.0-7.0	5137.6	63.8	249.9	2.20	8.62
7.0-8.0	4998.5	71.5	321.4	2.47	11.09
8.0-9.0	4840.0	78.5	399.9	2.71	13.80
9.0-10.0	4666.8	84.5	484.3	2.91	16.71
10.0-11.0	4469.7	89.3	573.7	3.08	19.80
11.0-12.0	4259.2	93.1	666.8	3.21	23.01
12.0-13.0	4046.6	96.0	762.8	3.31	26.32
13.0-14.0	3813.7	97.6	860.5	3.37	29.69
14.0-15.0	3574.2	98.1	958.6	3.39	33.08
15.0-16.0	3333.1	97.7	1056.3	3.37	36.45
16.0-17.0	3085.2	96.1	1152.4	3.32	39.76
17.0-18.0	2846.0	93.9	1246.2	3.24	43.00
18.0-19.0	2602.6	90.6	1336.8	3.12	46.13
19.0-20.0	2368.2	86.7	1423.5	2.99	49.12
20.0-21.0	2159.1	82.9	1506.4	2.86	51.98
21.0-22.0	1960.8	78.8	1585.2	2.72	54.70
22.0-23.0	1784.2	74.9	1660.1	2.58	57.28
23.0-24.0	1632.0	71.4	1731.4	2.46	59.75
24.0-25.0	1500.1	68.2	1799.6	2.35	62.10
25.0-26.0	1393.1	65.8	1865.4	2.27	64.37
26.0-27.0	1301.9	63.7	1929.1	2.20	66.57
27.0-28.0	1227.8	62.2	1991.3	2.15	68.71
28.0-29.0	1171.8	61.3	2052.6	2.12	70.83
29.0-30.0	1126.2	60.8	2113.4	2.10	72.93
30.0-31.0	1091.4	60.7	2174.1	2.10	75.02
31.0-32.0	1062.2	60.9	2235.0	2.10	77.12
32.0-33.0	1033.4	60.9	2295.9	2.10	79.23
33.0-34.0	1000.3	60.5	2356.4	2.09	81.31
34.0-35.0	955.2	59.3	2415.8	2.05	83.36
35.0-36.0	900.6	57.4	2473.1	1.98	85.34

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	838.2	54.7	2527.8	1.89	87.23
37.0-38.0	766.9	51.2	2579.0	1.77	88.99
38.0-39.0	691.6	47.2	2626.2	1.63	90.62
39.0-40.0	612.1	42.7	2668.9	1.47	92.10
40.0-41.0	534.5	38.1	2707.0	1.31	93.41
41.0-42.0	465.4	33.8	2740.8	1.17	94.58
42.0-43.0	395.1	29.3	2770.1	1.01	95.59
43.0-44.0	324.5	24.5	2794.6	0.85	96.43
44.0-45.0	258.0	19.8	2814.4	0.68	97.12
45.0-46.0	196.0	15.3	2829.7	0.53	97.65
46.0-47.0	143.7	11.4	2841.1	0.39	98.04
47.0-48.0	100.3	8.1	2849.3	0.28	98.32
48.0-49.0	67.4	5.5	2854.8	0.19	98.51
49.0-50.0	47.5	4.0	2858.8	0.14	98.65
50.0-51.0	37.9	3.2	2862.0	0.11	98.76
51.0-52.0	33.5	2.9	2864.8	0.10	98.86
52.0-53.0	29.5	2.6	2867.4	0.09	98.95
53.0-54.0	26.0	2.3	2869.7	0.08	99.03
54.0-55.0	23.8	2.1	2871.8	0.07	99.10
55.0-56.0	21.9	2.0	2873.8	0.07	99.17
56.0-57.0	20.1	1.8	2875.6	0.06	99.23
57.0-58.0	18.5	1.7	2877.3	0.06	99.29
58.0-59.0	17.0	1.6	2878.9	0.05	99.34
59.0-60.0	15.6	1.5	2880.4	0.05	99.40
60.0-61.0	14.4	1.4	2881.8	0.05	99.44
61.0-62.0	13.3	1.3	2883.1	0.04	99.49
62.0-63.0	12.2	1.2	2884.2	0.04	99.53
63.0-64.0	11.1	1.1	2885.3	0.04	99.57
64.0-65.0	10.2	1.0	2886.3	0.03	99.60
65.0-66.0	9.4	0.9	2887.3	0.03	99.63
66.0-67.0	8.6	0.9	2888.1	0.03	99.66
67.0-68.0	7.9	0.8	2888.9	0.03	99.69
68.0-69.0	7.4	0.8	2889.7	0.03	99.72
69.0-70.0	7.0	0.7	2890.4	0.02	99.74
70.0-71.0	6.7	0.7	2891.1	0.02	99.77
71.0-72.0	6.4	0.7	2891.8	0.02	99.79

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:

