

Report No.: MSL-235

Test Time: 2020-02-06 09:03

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Panel Stil Led Backlight 30x120 40W

Luminous Length (mm): 1150

Luminous Width (mm): 250

Voltage: 119.8 V

Current: 0.346 A

Power: 41.37 W

Power Factor: 0.995

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 4304.8 lm

Measurement Flux: 4304.8 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 162.8, 163.8, 163.4, 163.4

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 114.1, 114.9, 114.5, 114.5

Luminaire Efficacy Rating (LER): 104.11

Central Intensity: 1468.49 cd

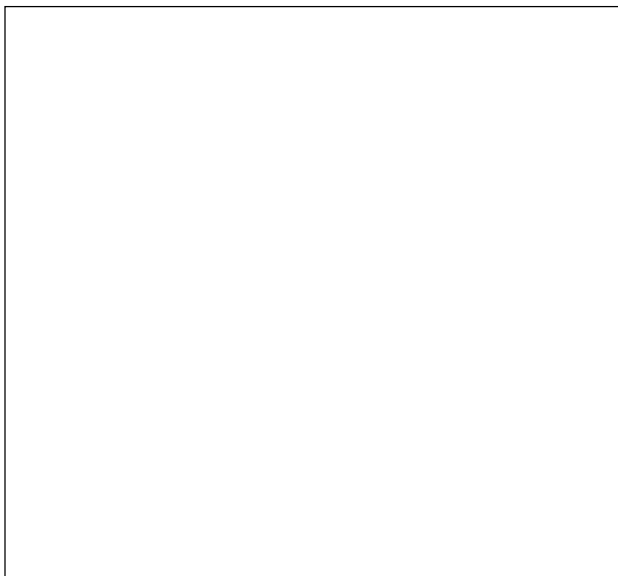
Max. Intensity: 1476.68 cd

Pos of Max. Intensity: H280 V1

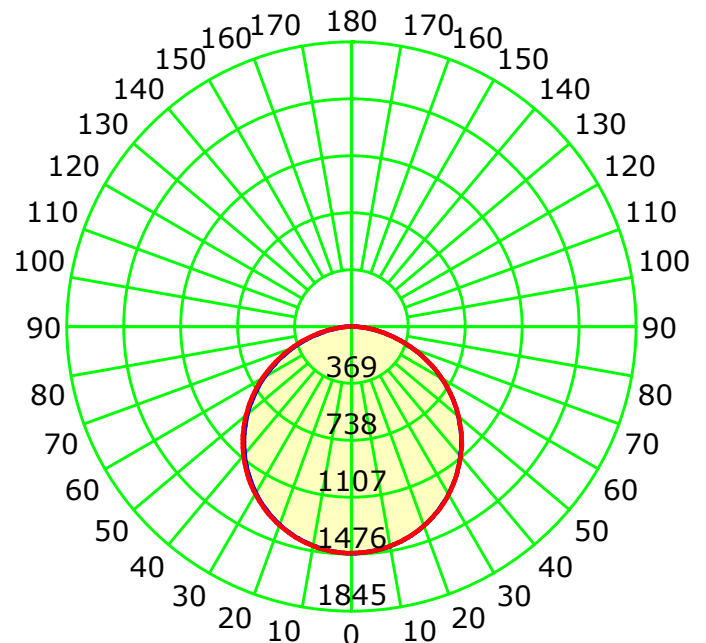
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 10.0

Test Lab: LABORATORIO STAND

Test Type: TYPE C

Temperature: 24.5

Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0

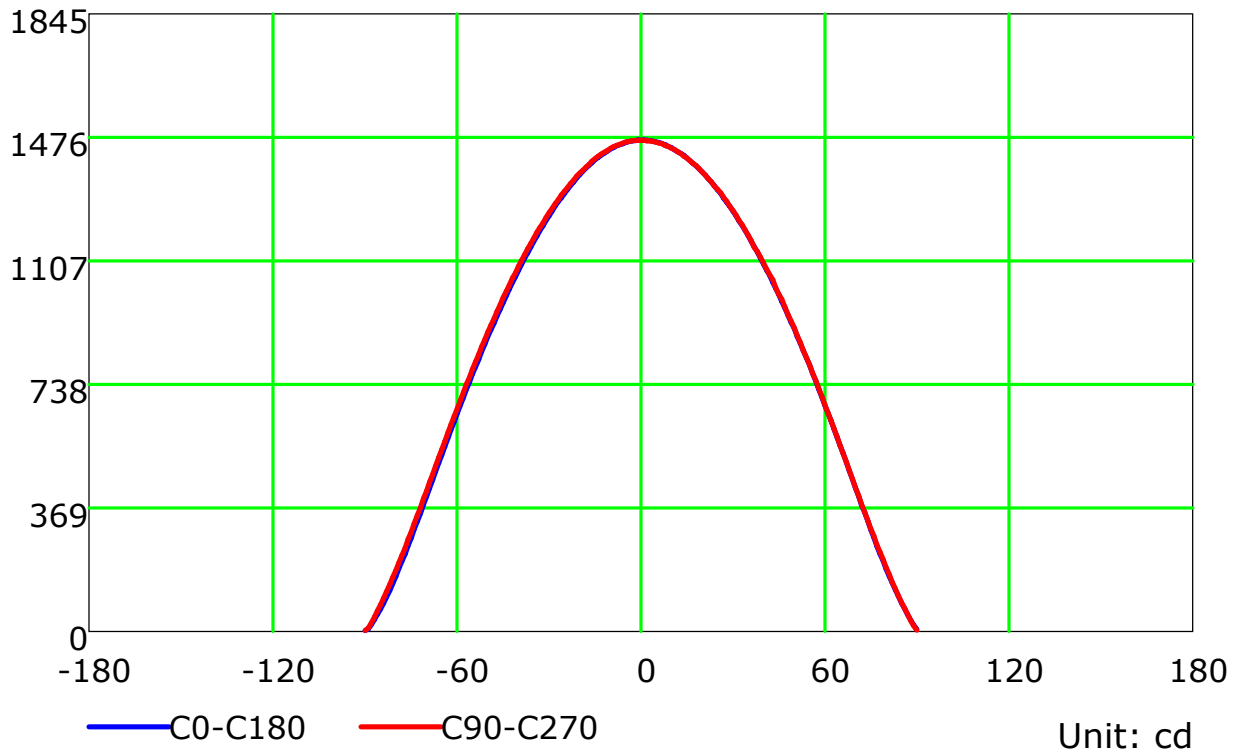
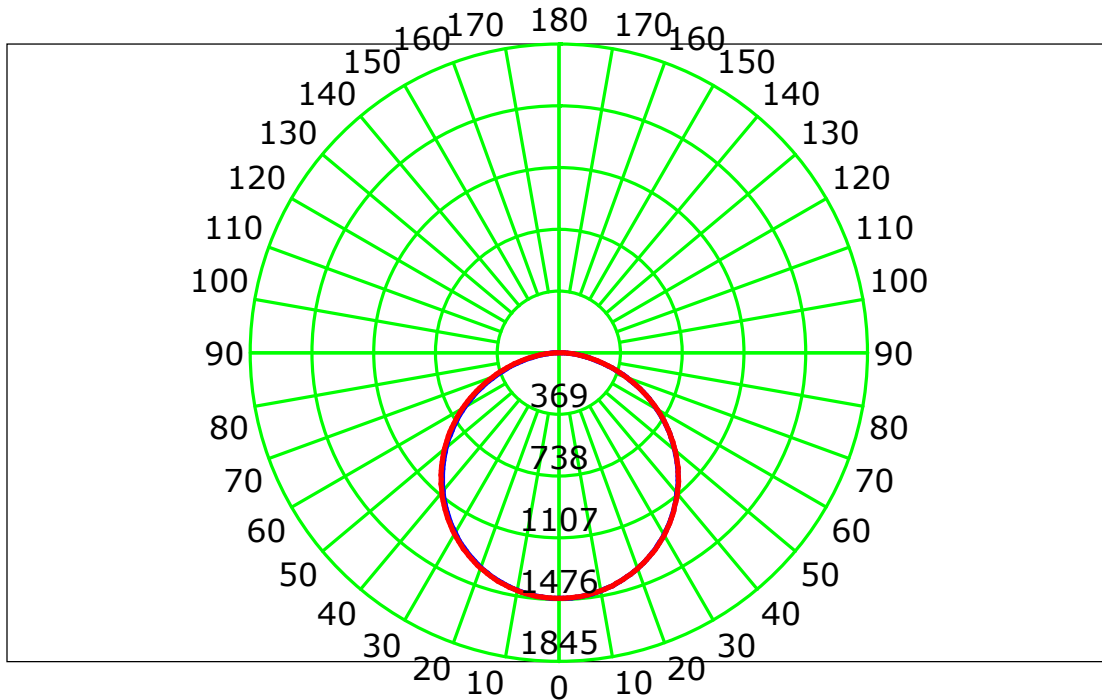
Test Device: LSG-1700B — C90-C270

Distance: 11.700 m

Humidity:

Inspector:

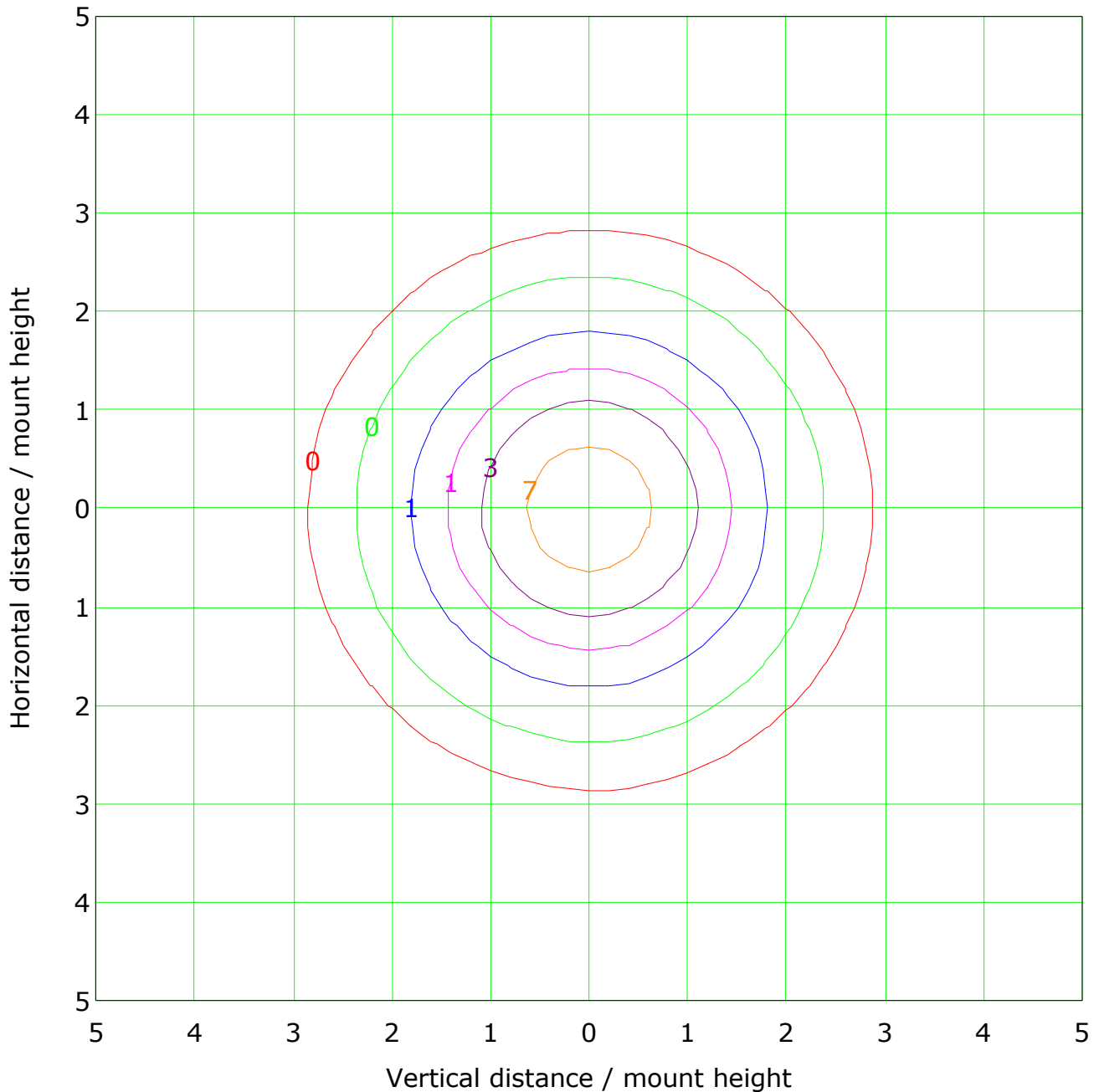
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.5
 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%): 14.8 lx

— (1%): 0.1 lx

— (2%): 0.3 lx

— (5%): 0.7 lx

— (10%): 1.5 lx

C Plane (°):0.0-360.0: 10.0, \, 3.0 lx

Gamma Plane (°):0.0-90.0:1.0

Test Lab: LABORATORIO STAND

Test Device: LSG-1700B IX

Test Type: TYPE C (100%): 14.8 lx

Distance: 11.700 m

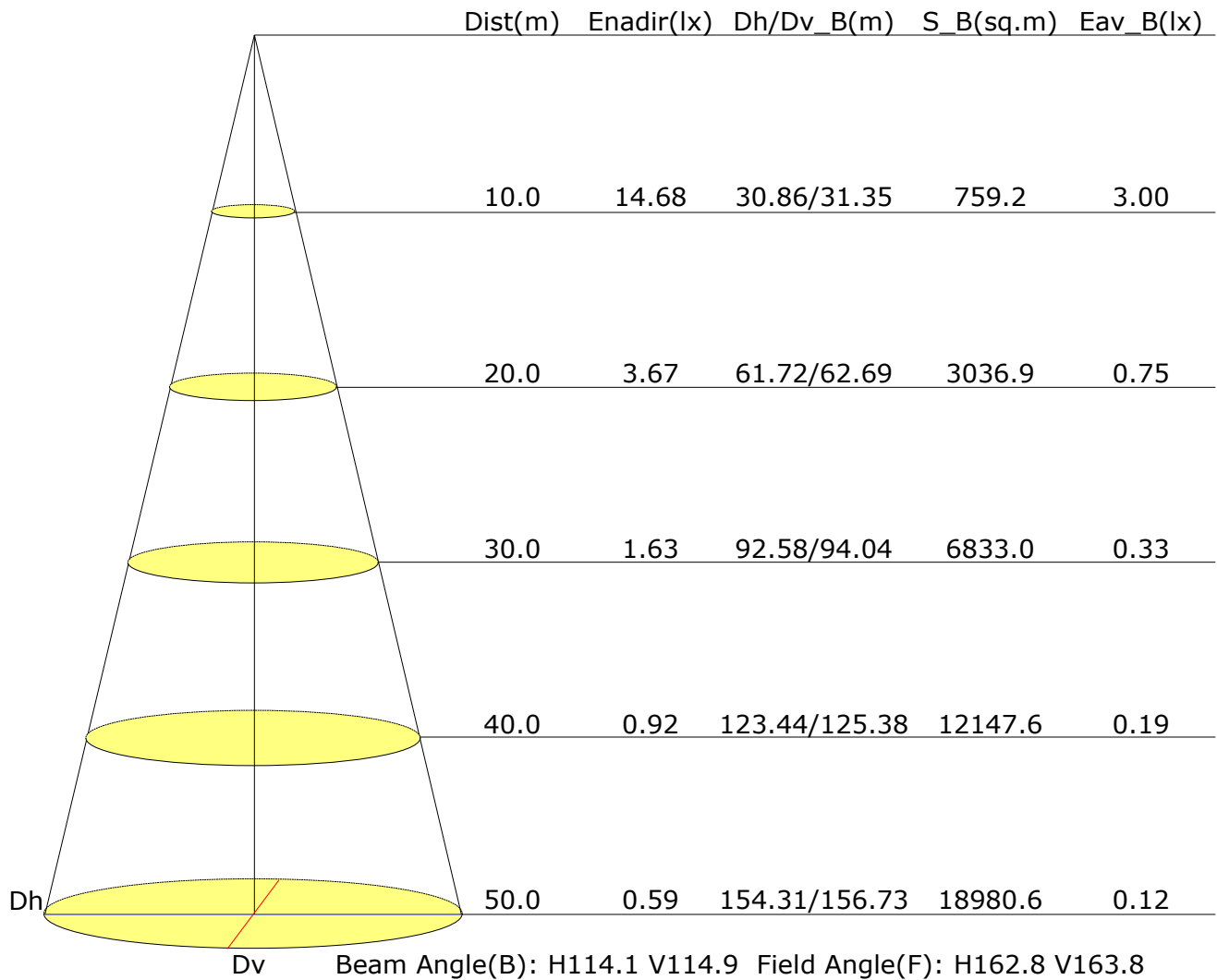
Temperature: 24.5

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	1469.1	1.4	1.4	0.03	0.03
1.0-2.0	1468.4	4.2	5.6	0.10	0.13
2.0-3.0	1467.4	7.0	12.6	0.16	0.29
3.0-4.0	1465.8	9.8	22.5	0.23	0.52
4.0-5.0	1463.8	12.6	35.0	0.29	0.81
5.0-6.0	1461.4	15.4	50.4	0.36	1.17
6.0-7.0	1458.5	18.1	68.5	0.42	1.59
7.0-8.0	1455.2	20.8	89.3	0.48	2.08
8.0-9.0	1451.3	23.5	112.9	0.55	2.62
9.0-10.0	1446.8	26.2	139.1	0.61	3.23
10.0-11.0	1441.7	28.8	167.9	0.67	3.90
11.0-12.0	1436.2	31.4	199.3	0.73	4.63
12.0-13.0	1430.4	34.0	233.2	0.79	5.42
13.0-14.0	1424.3	36.5	269.7	0.85	6.26
14.0-15.0	1417.6	38.9	308.6	0.90	7.17
15.0-16.0	1410.1	41.3	349.9	0.96	8.13
16.0-17.0	1402.1	43.7	393.6	1.01	9.14
17.0-18.0	1394.1	46.0	439.6	1.07	10.21
18.0-19.0	1385.3	48.2	487.8	1.12	11.33
19.0-20.0	1376.2	50.4	538.1	1.17	12.50
20.0-21.0	1366.8	52.5	590.6	1.22	13.72
21.0-22.0	1356.4	54.5	645.1	1.27	14.99
22.0-23.0	1345.8	56.5	701.6	1.31	16.30
23.0-24.0	1334.8	58.4	760.0	1.36	17.65
24.0-25.0	1323.4	60.2	820.2	1.40	19.05
25.0-26.0	1311.8	61.9	882.1	1.44	20.49
26.0-27.0	1299.4	63.6	945.7	1.48	21.97
27.0-28.0	1286.6	65.2	1010.8	1.51	23.48
28.0-29.0	1273.8	66.7	1077.5	1.55	25.03
29.0-30.0	1259.9	68.0	1145.5	1.58	26.61
30.0-31.0	1245.7	69.3	1214.8	1.61	28.22
31.0-32.0	1231.3	70.6	1285.4	1.64	29.86
32.0-33.0	1216.4	71.7	1357.1	1.66	31.52
33.0-34.0	1201.5	72.7	1429.8	1.69	33.21
34.0-35.0	1185.8	73.7	1503.5	1.71	34.92
35.0-36.0	1169.8	74.5	1577.9	1.73	36.66

C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 24.5
 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	1153.7	75.3	1653.2	1.75	38.40
37.0-38.0	1136.6	75.9	1729.1	1.76	40.17
38.0-39.0	1119.6	76.4	1805.5	1.78	41.94
39.0-40.0	1102.1	76.9	1882.4	1.79	43.73
40.0-41.0	1084.1	77.2	1959.6	1.79	45.52
41.0-42.0	1066.3	77.5	2037.1	1.80	47.32
42.0-43.0	1047.4	77.6	2114.7	1.80	49.12
43.0-44.0	1028.2	77.6	2192.3	1.80	50.93
44.0-45.0	1009.2	77.6	2269.9	1.80	52.73
45.0-46.0	989.4	77.4	2347.2	1.80	54.53
46.0-47.0	969.6	77.1	2424.4	1.79	56.32
47.0-48.0	949.0	76.7	2501.1	1.78	58.10
48.0-49.0	928.1	76.2	2577.3	1.77	59.87
49.0-50.0	907.6	75.7	2653.0	1.76	61.63
50.0-51.0	886.1	75.0	2728.0	1.74	63.37
51.0-52.0	864.3	74.2	2802.1	1.72	65.09
52.0-53.0	842.6	73.3	2875.5	1.70	66.80
53.0-54.0	820.2	72.3	2947.8	1.68	68.48
54.0-55.0	797.9	71.2	3019.0	1.65	70.13
55.0-56.0	774.8	70.0	3089.0	1.63	71.76
56.0-57.0	751.7	68.7	3157.8	1.60	73.35
57.0-58.0	729.2	67.4	3225.2	1.57	74.92
58.0-59.0	705.2	65.9	3291.1	1.53	76.45
59.0-60.0	681.1	64.4	3355.5	1.49	77.95
60.0-61.0	657.1	62.7	3418.2	1.46	79.40
61.0-62.0	632.7	61.0	3479.2	1.42	80.82
62.0-63.0	608.8	59.2	3538.4	1.38	82.20
63.0-64.0	584.0	57.3	3595.7	1.33	83.53
64.0-65.0	559.0	55.3	3651.0	1.29	84.81
65.0-66.0	534.7	53.4	3704.4	1.24	86.05
66.0-67.0	509.5	51.2	3755.6	1.19	87.24
67.0-68.0	484.5	49.1	3804.7	1.14	88.38
68.0-69.0	459.4	46.9	3851.6	1.09	89.47
69.0-70.0	434.1	44.6	3896.2	1.04	90.51
70.0-71.0	409.6	42.3	3938.5	0.98	91.49
71.0-72.0	384.5	40.0	3978.5	0.93	92.42

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

