

Report No.: MSL-11

Test Time: 2019-02-22 08:14

Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S

Luminaire Category: Interior

Luminaire Description: Bala Stil Led FLat 8W Samsung

Number of Lamps: 1

Luminous Length (mm): 80 Diametro

Luminous Width (mm): 80 Diametro

Luminous Height (mm): 0

Voltage: 120.0 V

Current: 0.079 A

Power: 8.35 W

Power Factor: 0.876

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 701.5 lm

Measurement Flux: 701.5 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.7, 159.8, 159.7, 159.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.5, 110.0, 109.7, 109.9

Luminaire Efficacy Rating (LER): 84.06

Central Intensity: 254.29 cd

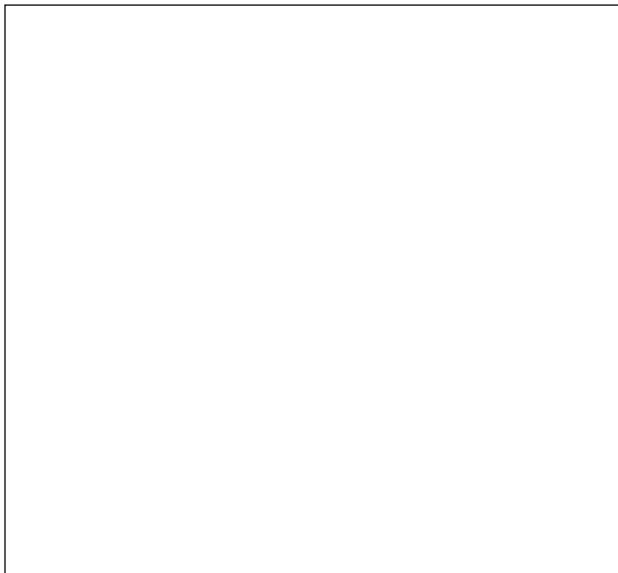
Max. Intensity: 254.68 cd

Pos of Max. Intensity: H160 V1

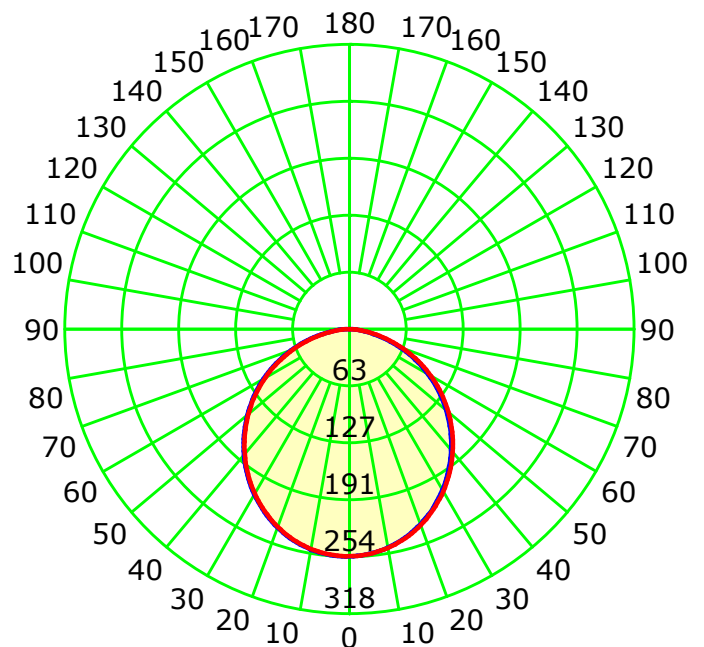
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.24

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: 11.772 m — C90-C270

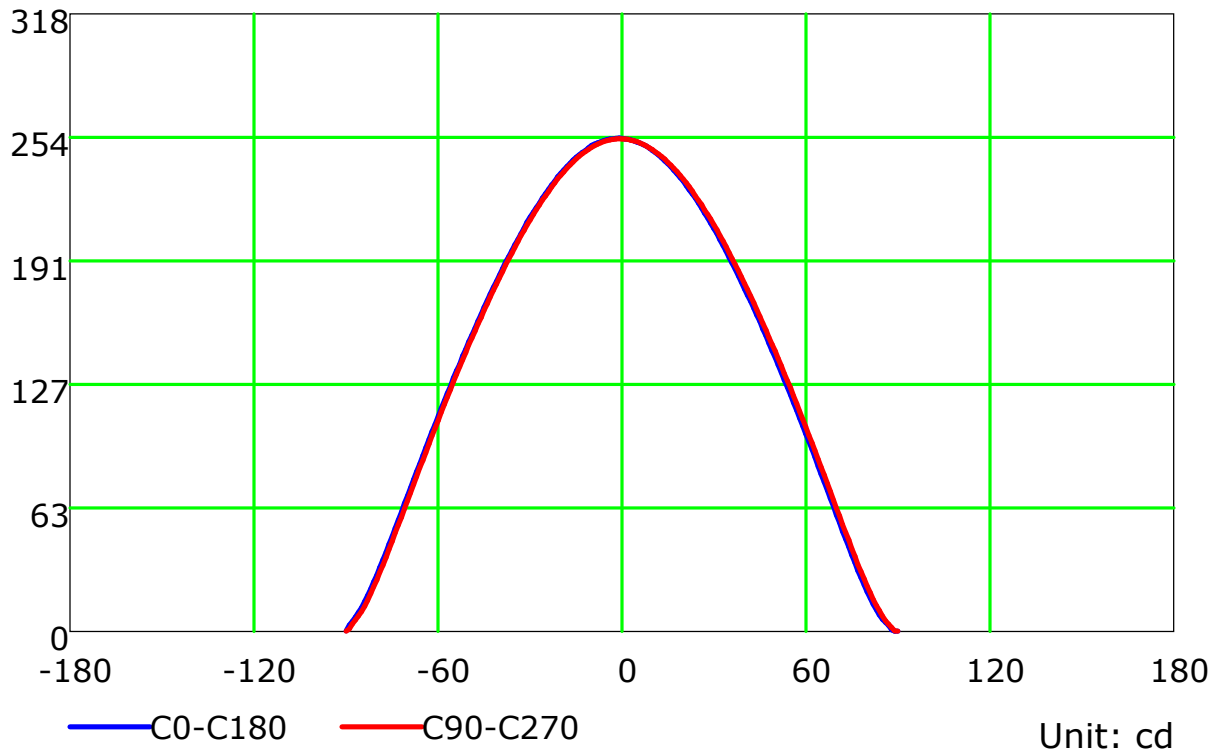
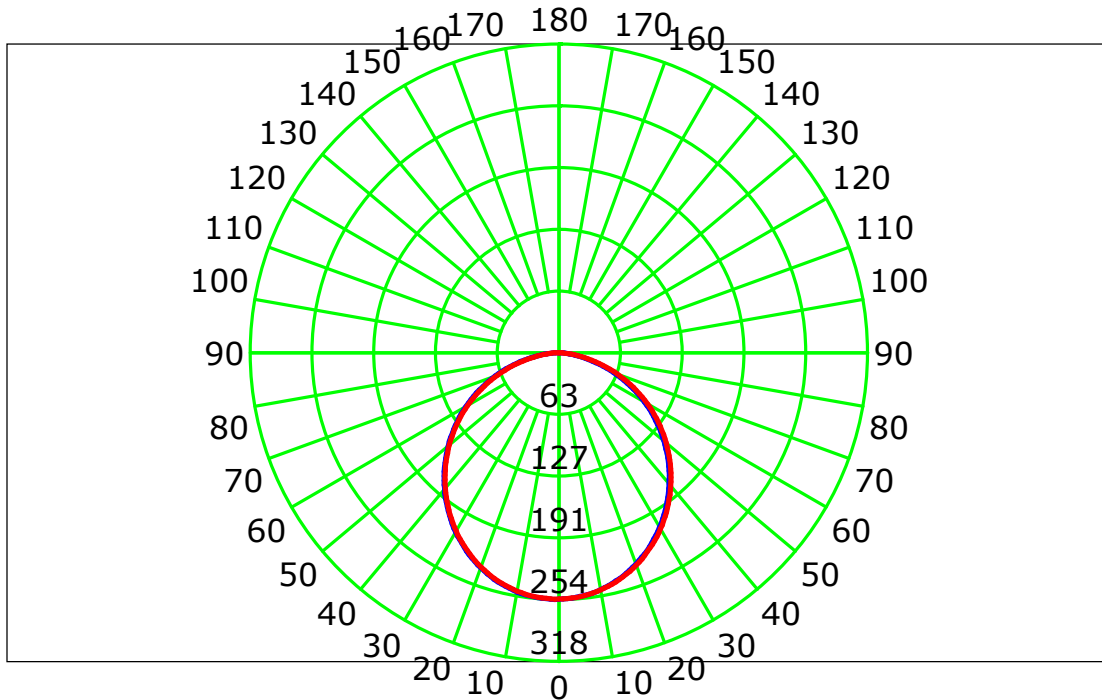
Temperature: 25.2

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

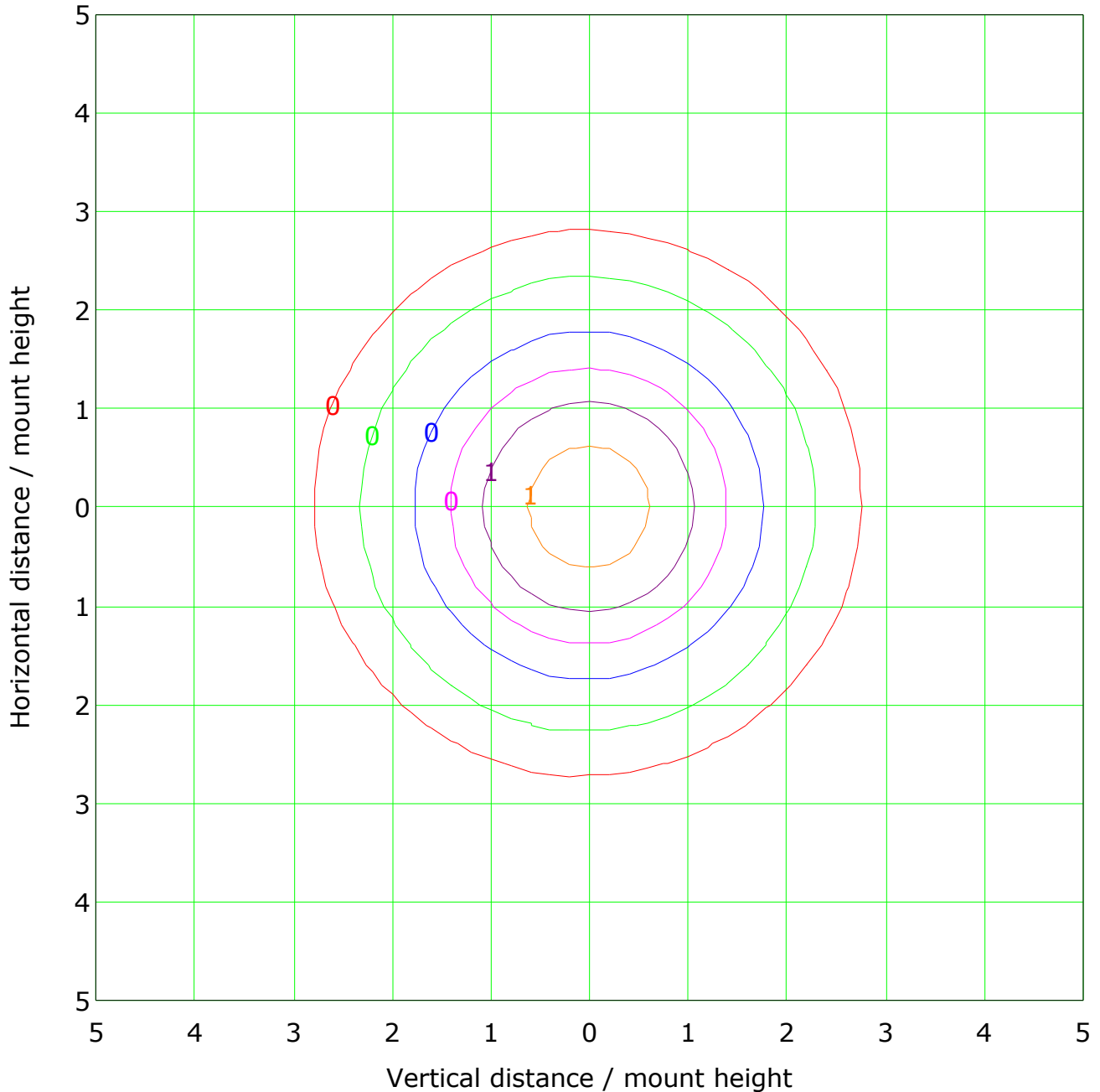
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 10.0
 Test Lab: LABORATORIO STAND
 Test Type: TYPE C
 Temperature: 25.2
 Operator: Cristian Herrera Arismendy

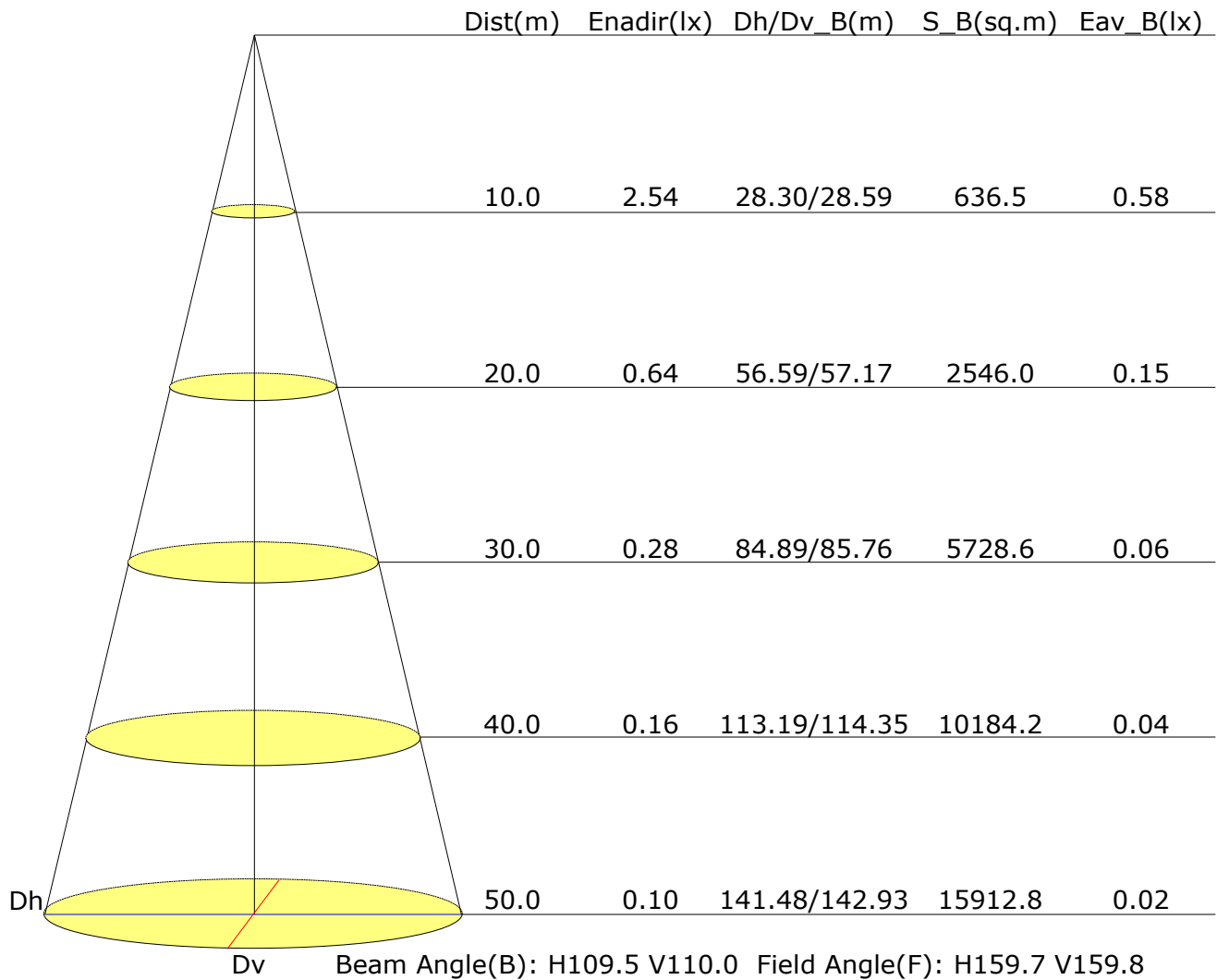
Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.772 m
 Humidity:
 Inspector:

IsoLux Plot



<p>Mounting Height: 10.0m</p> <p>(1%): 0.0 lx</p> <p>(5%): 0.1 lx</p> <p>(100%): 2.5 lx</p> <p>C Plane (°):0.0-360.0: 10.0</p> <p>Test Lab: LABORATORIO STAND</p> <p>Test Type: TYPE C</p> <p>Temperature: 25.2</p> <p>Operator: Cristian Herrera Arismendy</p>	<p>Max Lux(100%): 2.5 lx</p> <p>(2%): 0.1 lx</p> <p>(100%): 2.5 lx</p> <p>Gamma Plane (°):0.0-90.0:1.0</p> <p>Test Device: LSG-1700B lx</p> <p>Distance: 11.772 m</p> <p>Humidity:</p> <p>Inspector:</p>
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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	254.1	0.2	0.2	0.03	0.03
1.0-2.0	254.0	0.7	1.0	0.10	0.14
2.0-3.0	253.8	1.2	2.2	0.17	0.31
3.0-4.0	253.5	1.7	3.9	0.24	0.55
4.0-5.0	253.1	2.2	6.1	0.31	0.86
5.0-6.0	252.5	2.7	8.7	0.38	1.24
6.0-7.0	251.9	3.1	11.8	0.45	1.69
7.0-8.0	251.2	3.6	15.4	0.51	2.20
8.0-9.0	250.4	4.1	19.5	0.58	2.78
9.0-10.0	249.5	4.5	24.0	0.64	3.42
10.0-11.0	248.5	5.0	29.0	0.71	4.13
11.0-12.0	247.4	5.4	34.4	0.77	4.90
12.0-13.0	246.2	5.8	40.2	0.83	5.73
13.0-14.0	244.9	6.3	46.5	0.89	6.63
14.0-15.0	243.5	6.7	53.2	0.95	7.58
15.0-16.0	242.0	7.1	60.3	1.01	8.59
16.0-17.0	240.4	7.5	67.8	1.07	9.66
17.0-18.0	238.8	7.9	75.6	1.12	10.78
18.0-19.0	237.0	8.2	83.9	1.18	11.96
19.0-20.0	235.1	8.6	92.5	1.23	13.18
20.0-21.0	233.2	9.0	101.4	1.28	14.46
21.0-22.0	231.2	9.3	110.7	1.32	15.79
22.0-23.0	229.0	9.6	120.3	1.37	17.16
23.0-24.0	226.8	9.9	130.3	1.41	18.57
24.0-25.0	224.5	10.2	140.5	1.46	20.03
25.0-26.0	222.3	10.5	151.0	1.50	21.52
26.0-27.0	219.8	10.8	161.7	1.53	23.05
27.0-28.0	217.3	11.0	172.7	1.57	24.62
28.0-29.0	214.8	11.2	184.0	1.60	26.22
29.0-30.0	212.1	11.5	195.4	1.63	27.86
30.0-31.0	209.4	11.7	207.1	1.66	29.52
31.0-32.0	206.6	11.8	218.9	1.69	31.21
32.0-33.0	203.7	12.0	230.9	1.71	32.92
33.0-34.0	200.9	12.2	243.1	1.73	34.65
34.0-35.0	197.9	12.3	255.4	1.75	36.40
35.0-36.0	194.8	12.4	267.8	1.77	38.17

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Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.772 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	191.8	12.5	280.3	1.78	39.96
37.0-38.0	188.7	12.6	292.9	1.80	41.75
38.0-39.0	185.5	12.7	305.5	1.81	43.56
39.0-40.0	182.3	12.7	318.3	1.81	45.37
40.0-41.0	179.0	12.7	331.0	1.82	47.19
41.0-42.0	175.7	12.8	343.8	1.82	49.01
42.0-43.0	172.3	12.8	356.5	1.82	50.83
43.0-44.0	168.8	12.7	369.3	1.82	52.64
44.0-45.0	165.5	12.7	382.0	1.81	54.46
45.0-46.0	161.9	12.7	394.7	1.81	56.26
46.0-47.0	158.4	12.6	407.3	1.80	58.06
47.0-48.0	154.7	12.5	419.8	1.78	59.84
48.0-49.0	151.1	12.4	432.2	1.77	61.61
49.0-50.0	147.5	12.3	444.5	1.75	63.36
50.0-51.0	143.8	12.2	456.7	1.73	65.10
51.0-52.0	140.0	12.0	468.7	1.71	66.81
52.0-53.0	136.3	11.9	480.5	1.69	68.50
53.0-54.0	132.4	11.7	492.2	1.66	70.16
54.0-55.0	128.6	11.5	503.7	1.64	71.80
55.0-56.0	124.7	11.3	514.9	1.61	73.41
56.0-57.0	120.7	11.0	526.0	1.57	74.98
57.0-58.0	116.9	10.8	536.8	1.54	76.52
58.0-59.0	112.9	10.6	547.4	1.50	78.03
59.0-60.0	108.8	10.3	557.6	1.47	79.49
60.0-61.0	104.8	10.0	567.6	1.43	80.92
61.0-62.0	100.7	9.7	577.3	1.38	82.30
62.0-63.0	96.7	9.4	586.7	1.34	83.64
63.0-64.0	92.5	9.1	595.8	1.29	84.94
64.0-65.0	88.3	8.7	604.6	1.25	86.18
65.0-66.0	84.3	8.4	613.0	1.20	87.38
66.0-67.0	80.0	8.0	621.0	1.15	88.53
67.0-68.0	75.8	7.7	628.7	1.10	89.62
68.0-69.0	71.6	7.3	636.0	1.04	90.67
69.0-70.0	67.4	6.9	642.9	0.99	91.65
70.0-71.0	63.3	6.5	649.5	0.93	92.58
71.0-72.0	59.1	6.1	655.6	0.88	93.46

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 Test Device: LSG-1700B
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