

Report No.: MSL-41

Test Time: 2019-03-09 08:21

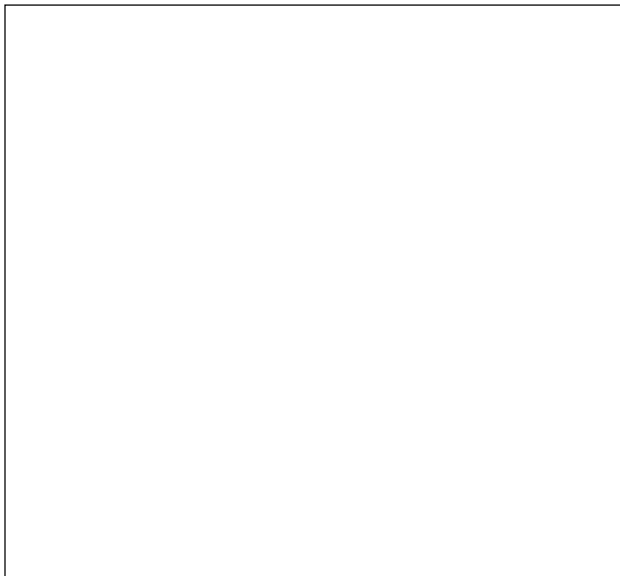
Luminaire Property

Luminaire Manufacturer: Stand Iluminaciones S.A.S
 Luminaire Category: Interior
 Luminaire Description: Lum Stil Led Bala De Piso 2" 2W Epistar
 Number of Lamps: 1
 Luminous Width (mm): 25
 Voltage: 120.0 V
 Power: 1.44 W
 Luminous Length (mm): 25
 Luminous Height (mm): 0
 Current: 0.026 A
 Power Factor: 0.464

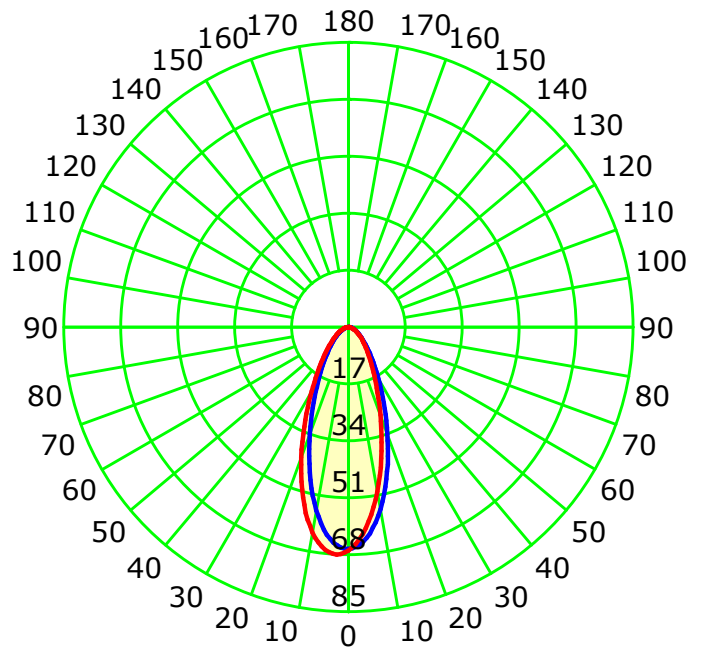
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 51.6 lm
Measurement Flux: 51.6 lm	Efficiency: 100%
Downward Ratio: 100%	Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 92.6, 92.2, 92.3, 92.3	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 40.9, 40.2, 40.7, 40.4	
Luminaire Efficacy Rating (LER): 35.90	Central Intensity: 66.81 cd
Max. Intensity: 68.6 cd	Pos of Max. Intensity: H270 V3
S/MH(C0/C180): 0.65	S/MH(C90/C270): 0.65

Picture Of Luminaire



Luminous Intensity Distribution Curve

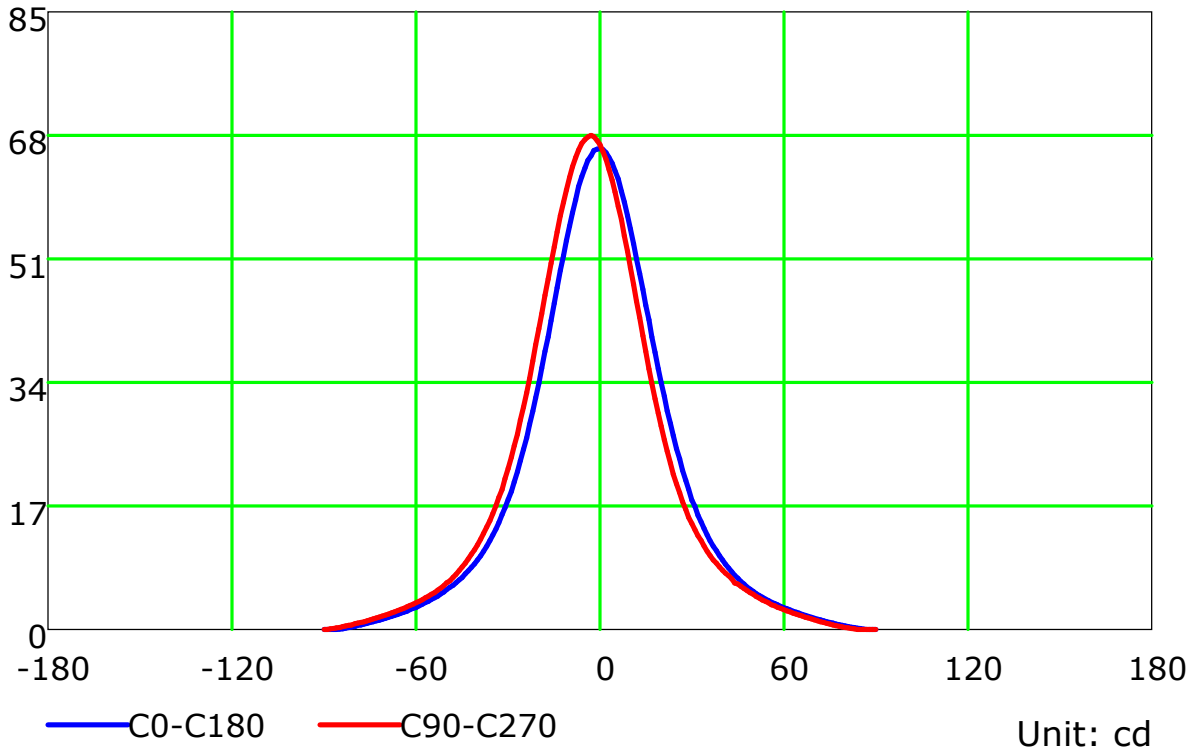
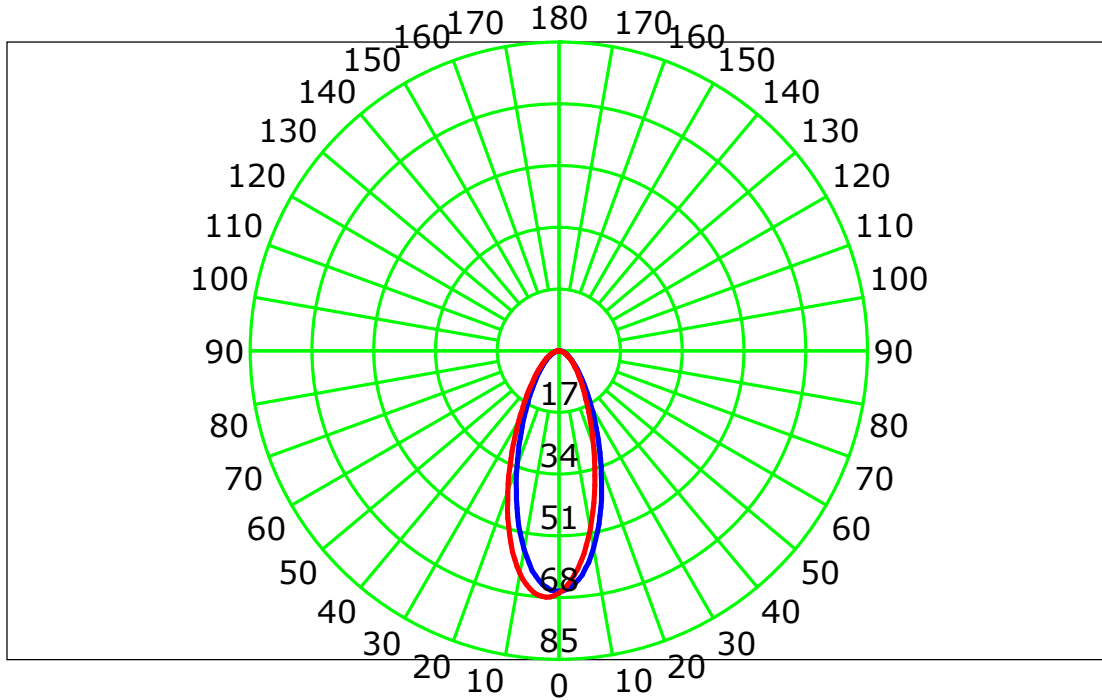


Unit: cd

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
 Distance: 11.703 m — C90-C270
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve



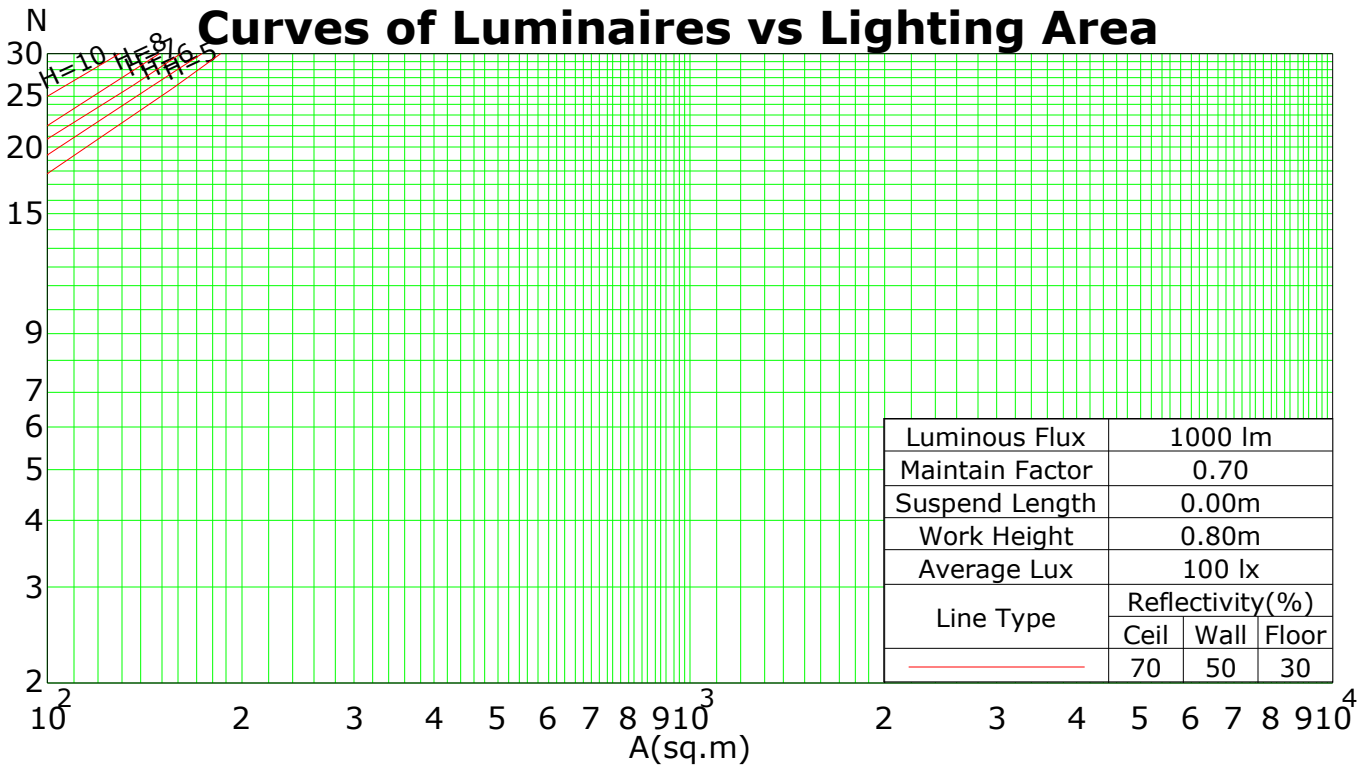
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Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	88	86	84	82
3	99	91	85	81	97	90	84	80	87	82	79	85	81	77	82	79	76	74
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68
5	88	78	71	66	86	77	71	66	75	70	65	73	69	65	72	68	64	63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59	58
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50
9	71	60	54	49	70	60	53	49	59	53	49	58	52	49	57	52	49	47
10	67	57	50	46	66	56	50	46	56	50	46	55	50	46	54	49	46	44

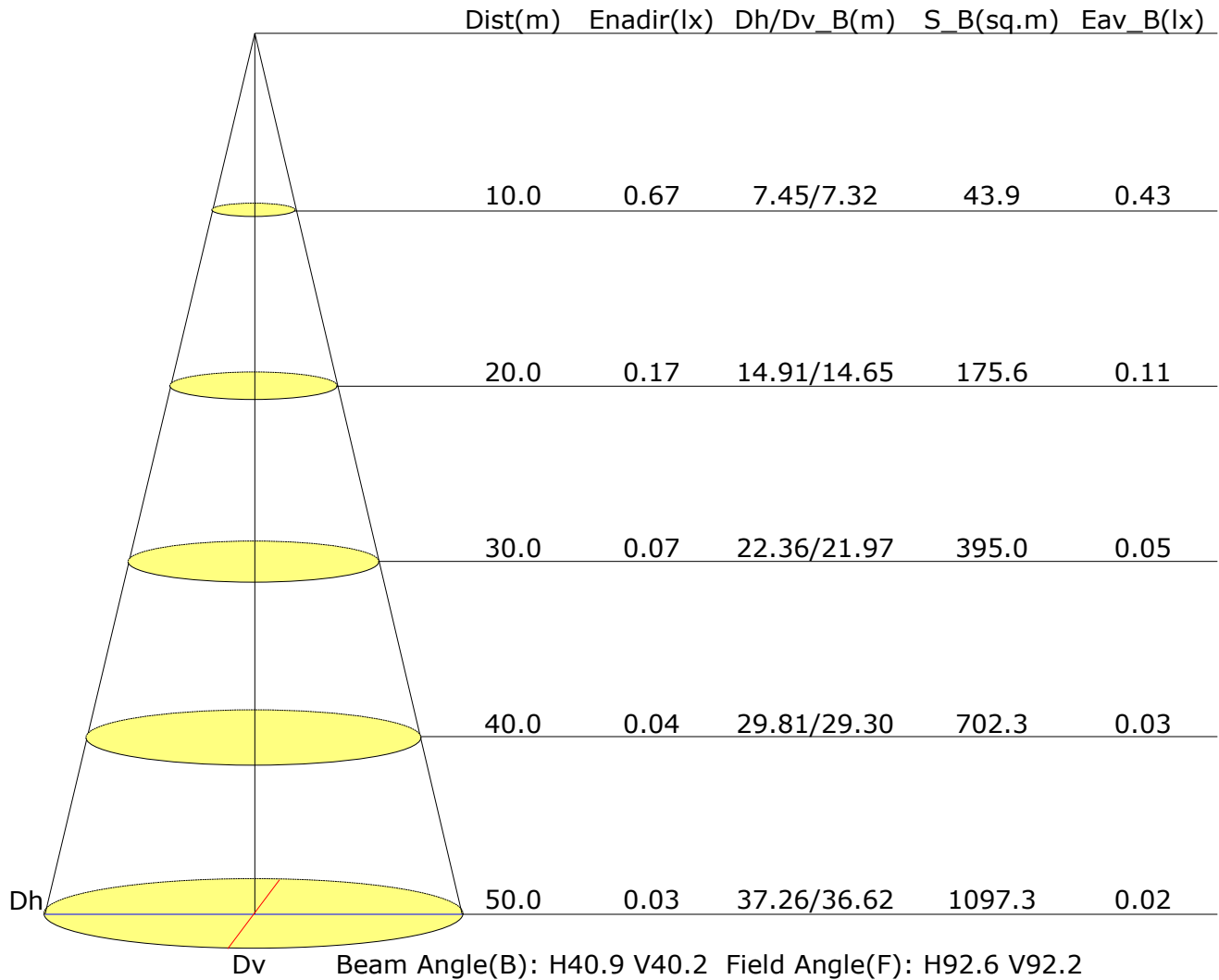
Spacing Criteria (0-180): 0.65
 Spacing Criteria (90-270): 0.65
 Spacing Criteria (Diagonal): 0.70



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 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

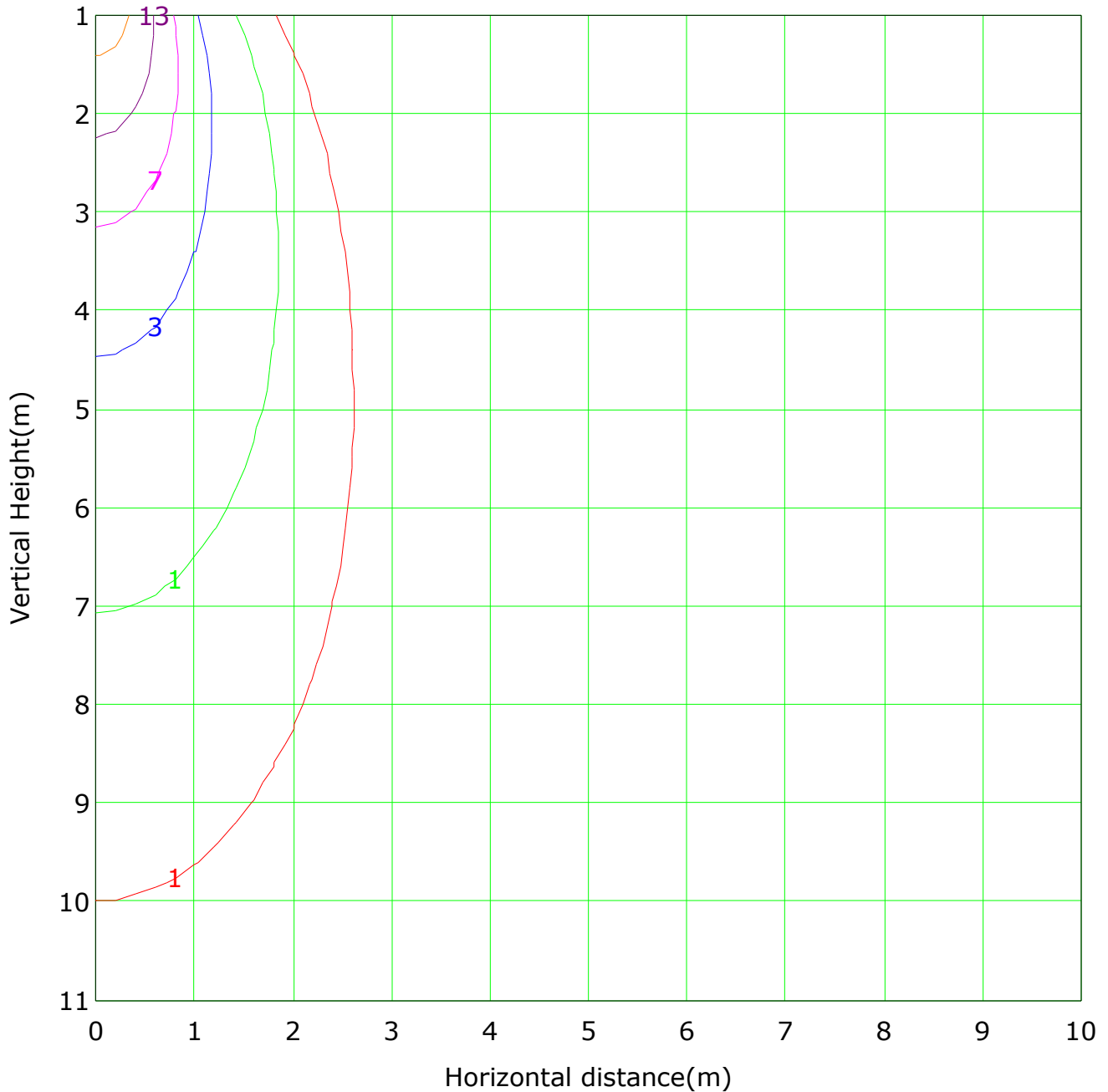
Illuminance at a Distance



C Plane (°):0.0-360.0: 10.0
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 Test Type: TYPE C
 Temperature: 24.5
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 66.8 lx

— (1%): 0.7 lx

— (2%): 1.3 lx

— (5%): 3.3 lx

— (10%): 6.7 lx

— (20%): 13.4 lx

— (50%): 33.4 lx

— (100%): 66.8 lx

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

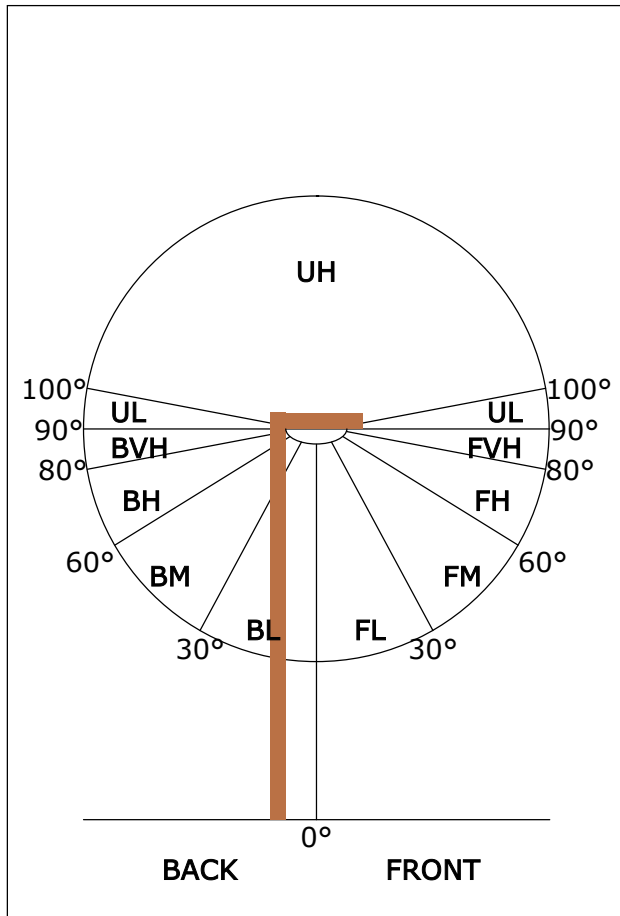
Temperature: 24.5

Humidity:

Operator: Cristian Herrera Arismendy

Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	23	44.6
FL (0°-30°)	14	26.2
FM (30°-60°)	8	15.4
FH (60°-80°)	1	2.8
FVH (80°-90°)	0	0.1
BACK LIGHT	29	55.4
BL (0°-30°)	17	32.2
BM (30°-60°)	10	19.2
BH (60°-80°)	2	3.7
BVH (80°-90°)	0	0.3
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U0 G0

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Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	67.2	0.1	0.1	0.12	0.12
1.0-2.0	67.0	0.2	0.3	0.37	0.50
2.0-3.0	66.5	0.3	0.6	0.62	1.11
3.0-4.0	65.8	0.4	1.0	0.85	1.97
4.0-5.0	64.9	0.6	1.6	1.08	3.05
5.0-6.0	63.7	0.7	2.2	1.30	4.35
6.0-7.0	62.4	0.8	3.0	1.50	5.85
7.0-8.0	60.9	0.9	3.9	1.69	7.54
8.0-9.0	59.2	1.0	4.8	1.86	9.39
9.0-10.0	57.3	1.0	5.9	2.01	11.40
10.0-11.0	55.4	1.1	7.0	2.14	13.55
11.0-12.0	53.3	1.2	8.2	2.26	15.81
12.0-13.0	51.2	1.2	9.4	2.35	18.16
13.0-14.0	49.0	1.3	10.6	2.43	20.59
14.0-15.0	46.7	1.3	11.9	2.48	23.07
15.0-16.0	44.5	1.3	13.2	2.53	25.60
16.0-17.0	42.2	1.3	14.5	2.55	28.15
17.0-18.0	40.1	1.3	15.9	2.56	30.71
18.0-19.0	37.9	1.3	17.2	2.55	33.26
19.0-20.0	35.7	1.3	18.5	2.53	35.79
20.0-21.0	33.7	1.3	19.8	2.51	38.30
21.0-22.0	31.7	1.3	21.0	2.47	40.76
22.0-23.0	29.8	1.2	22.3	2.42	43.19
23.0-24.0	27.9	1.2	23.5	2.37	45.55
24.0-25.0	26.2	1.2	24.7	2.31	47.86
25.0-26.0	24.6	1.2	25.9	2.25	50.11
26.0-27.0	23.0	1.1	27.0	2.18	52.29
27.0-28.0	21.5	1.1	28.1	2.11	54.40
28.0-29.0	20.2	1.1	29.1	2.05	56.45
29.0-30.0	18.9	1.0	30.2	1.98	58.43
30.0-31.0	17.7	1.0	31.1	1.91	60.34
31.0-32.0	16.6	1.0	32.1	1.84	62.18
32.0-33.0	15.6	0.9	33.0	1.78	63.96
33.0-34.0	14.6	0.9	33.9	1.72	65.68
34.0-35.0	13.7	0.9	34.8	1.65	67.33
35.0-36.0	12.9	0.8	35.6	1.59	68.92

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Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	12.1	0.8	36.4	1.53	70.45
37.0-38.0	11.4	0.8	37.1	1.47	71.92
38.0-39.0	10.7	0.7	37.9	1.42	73.34
39.0-40.0	10.1	0.7	38.6	1.37	74.71
40.0-41.0	9.5	0.7	39.2	1.31	76.03
41.0-42.0	9.0	0.7	39.9	1.27	77.29
42.0-43.0	8.5	0.6	40.5	1.22	78.51
43.0-44.0	8.0	0.6	41.1	1.17	79.68
44.0-45.0	7.5	0.6	41.7	1.12	80.80
45.0-46.0	7.1	0.6	42.3	1.08	81.88
46.0-47.0	6.7	0.5	42.8	1.04	82.92
47.0-48.0	6.4	0.5	43.3	1.00	83.91
48.0-49.0	6.0	0.5	43.8	0.96	84.87
49.0-50.0	5.7	0.5	44.3	0.92	85.79
50.0-51.0	5.4	0.5	44.7	0.88	86.67
51.0-52.0	5.1	0.4	45.2	0.84	87.51
52.0-53.0	4.8	0.4	45.6	0.81	88.32
53.0-54.0	4.5	0.4	46.0	0.78	89.10
54.0-55.0	4.3	0.4	46.4	0.74	89.84
55.0-56.0	4.1	0.4	46.7	0.71	90.55
56.0-57.0	3.8	0.4	47.1	0.68	91.23
57.0-58.0	3.6	0.3	47.4	0.65	91.88
58.0-59.0	3.4	0.3	47.8	0.62	92.51
59.0-60.0	3.2	0.3	48.1	0.59	93.10
60.0-61.0	3.1	0.3	48.3	0.56	93.66
61.0-62.0	2.9	0.3	48.6	0.54	94.20
62.0-63.0	2.7	0.3	48.9	0.51	94.71
63.0-64.0	2.5	0.2	49.1	0.48	95.19
64.0-65.0	2.4	0.2	49.4	0.46	95.65
65.0-66.0	2.2	0.2	49.6	0.43	96.08
66.0-67.0	2.1	0.2	49.8	0.41	96.49
67.0-68.0	1.9	0.2	50.0	0.38	96.87
68.0-69.0	1.8	0.2	50.2	0.36	97.23
69.0-70.0	1.7	0.2	50.4	0.33	97.56
70.0-71.0	1.5	0.2	50.5	0.31	97.87
71.0-72.0	1.4	0.1	50.7	0.29	98.16

C Plane (°):0.0-360.0: 10.0
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 Test Type: TYPE C
 Temperature: 24.5
 Operator: Cristian Herrera Arismendy

Gamma Plane (°):0.0-90.0:1.0
 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G0.0	66.8	66.6	66.8	66.7	66.8	66.7	66.5	66.9	67.2	67.3
G1.0	66.7	66.3	65.8	66.2	65.9	65.9	66.1	65.9	66.3	66.4
G2.0	66.2	65.9	65.9	65.4	65.1	64.8	65.0	65.1	65.2	65.3
G3.0	65.6	65.1	64.6	64.2	64.0	63.6	63.5	63.7	63.9	63.9
G4.0	64.8	64.2	63.6	63.2	62.6	62.3	62.2	62.1	62.4	62.4
G5.0	63.7	62.8	62.2	61.6	61.2	60.9	60.3	60.5	60.6	60.8
G6.0	62.6	61.5	60.6	59.9	59.3	58.9	58.8	58.4	58.7	58.7
G7.0	60.8	59.8	58.8	58.4	57.6	57.3	56.9	56.5	56.8	56.9
G8.0	59.4	58.2	57.4	56.3	55.7	55.0	54.6	54.2	54.7	54.7
G9.0	57.5	56.3	55.5	54.4	53.8	52.7	52.8	52.2	52.4	52.5
G10.0	55.7	54.6	53.4	52.3	51.7	50.8	50.2	50.0	50.2	50.3
G11.0	53.5	52.8	51.4	49.9	49.3	48.3	48.5	47.6	47.9	47.9
G12.0	51.5	50.1	49.4	48.0	47.0	45.9	45.8	45.3	45.5	45.6
G13.0	49.4	47.9	46.8	45.8	44.9	44.1	43.4	43.2	43.2	43.3
G14.0	47.2	45.6	44.4	43.5	42.4	41.5	41.1	40.6	40.8	40.8
G15.0	45.0	43.6	42.3	41.2	40.3	39.3	38.8	38.5	38.5	38.6
G16.0	43.0	41.3	40.2	38.8	38.3	37.1	37.0	36.2	36.4	36.2
G17.0	40.6	39.1	38.1	36.8	35.9	35.1	34.4	34.1	34.1	34.2
G18.0	38.5	36.9	36.0	34.8	33.9	32.9	32.5	32.2	32.1	32.1
G19.0	36.2	34.7	33.8	32.5	31.8	30.9	30.6	30.0	30.1	30.0
G20.0	34.3	32.9	31.9	30.7	29.9	29.1	28.8	28.1	28.1	28.3
G21.0	32.4	31.1	30.2	28.9	28.1	27.3	26.8	26.4	26.5	26.4
G22.0	30.4	29.0	28.0	27.0	26.2	25.5	25.1	24.6	24.7	24.8
G23.0	28.6	27.3	26.4	25.5	24.7	23.9	23.7	23.4	23.2	23.1
G24.0	27.0	25.6	24.9	23.7	23.1	22.3	22.0	21.7	21.8	21.5
G25.0	25.1	24.0	23.2	22.3	21.5	20.9	20.6	20.3	20.3	20.3
G26.0	23.7	22.5	21.8	20.8	20.2	19.6	19.4	19.0	19.0	19.0
G27.0	22.1	21.0	20.2	19.4	18.9	18.2	18.0	17.8	17.8	17.7
G28.0	20.7	19.8	19.1	18.2	17.6	17.1	16.9	16.7	16.7	16.7
G29.0	19.5	18.5	17.9	17.2	16.6	16.2	16.0	15.7	15.7	15.6
G30.0	18.0	17.3	16.5	15.9	15.5	15.1	14.9	14.7	14.7	14.7
G31.0	17.1	16.3	15.7	15.0	14.5	14.1	14.0	13.8	13.9	13.8
G32.0	15.9	15.2	14.6	14.1	13.5	13.2	13.1	12.9	13.0	13.0
G33.0	15.0	14.3	13.8	13.1	12.8	12.5	12.4	12.3	12.3	12.4
G34.0	14.1	13.4	12.8	12.4	12.0	11.7	11.6	11.5	11.6	11.6
G35.0	13.1	12.4	12.1	11.6	11.3	11.1	11.0	10.8	10.9	10.9
G36.0	12.4	11.8	11.3	10.9	10.6	10.4	10.4	10.1	10.3	10.3

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 Test Device: LSG-1700B
 Distance: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C10.0	C20.0	C30.0	C40.0	C50.0	C60.0	C70.0	C80.0	C90.0
G37.0	11.6	11.1	10.7	10.2	10.1	9.8	9.8	9.7	9.7	9.7
G38.0	10.9	10.4	10.1	9.7	9.5	9.2	9.2	9.2	9.2	9.2
G39.0	10.3	9.8	9.5	9.2	8.9	8.7	8.8	8.7	8.7	8.7
G40.0	9.6	9.2	8.9	8.7	8.4	8.3	8.3	8.2	8.2	8.2
G41.0	9.1	8.7	8.3	8.1	7.9	7.8	7.8	7.8	7.8	7.9
G42.0	8.6	8.2	7.9	7.7	7.5	7.4	7.4	7.4	7.4	7.5
G43.0	8.0	7.6	7.5	7.2	7.1	7.0	7.0	7.0	7.0	7.1
G44.0	7.6	7.1	6.9	6.9	6.7	6.7	6.7	6.6	6.7	6.5
G45.0	7.1	6.8	6.6	6.5	6.3	6.3	6.3	6.2	6.3	6.3
G46.0	6.7	6.4	6.2	6.1	6.0	5.9	5.9	5.9	6.0	6.0
G47.0	6.3	6.1	5.8	5.8	5.6	5.6	5.6	5.7	5.7	5.7
G48.0	5.9	5.7	5.5	5.4	5.3	5.3	5.3	5.3	5.4	5.4
G49.0	5.6	5.4	5.2	5.1	5.1	5.0	5.0	5.0	5.1	5.1
G50.0	5.3	5.1	4.9	4.9	4.8	4.7	4.8	4.8	4.8	4.9
G51.0	5.0	4.8	4.6	4.6	4.5	4.5	4.5	4.5	4.6	4.6
G52.0	4.7	4.6	4.4	4.3	4.3	4.2	4.3	4.2	4.3	4.4
G53.0	4.5	4.3	4.1	4.1	4.0	4.0	4.0	4.0	4.1	4.1
G54.0	4.3	4.1	3.9	3.9	3.8	3.8	3.8	3.8	3.9	3.9
G55.0	4.0	3.9	3.7	3.7	3.6	3.5	3.6	3.6	3.7	3.7
G56.0	3.8	3.7	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.5
G57.0	3.6	3.5	3.3	3.3	3.2	3.2	3.2	3.2	3.3	3.3
G58.0	3.4	3.3	3.1	3.1	3.0	3.0	3.0	3.0	3.1	3.1
G59.0	3.2	3.1	3.0	3.0	2.9	2.8	2.9	2.8	2.9	2.9
G60.0	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.8
G61.0	2.9	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.6	2.6
G62.0	2.7	2.6	2.5	2.5	2.3	2.3	2.3	2.3	2.4	2.5
G63.0	2.6	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.3
G64.0	2.4	2.3	2.2	2.2	2.1	2.0	2.1	2.0	2.1	2.1
G65.0	2.3	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0
G66.0	2.1	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.9
G67.0	2.0	1.9	1.8	1.8	1.7	1.6	1.7	1.6	1.7	1.7
G68.0	1.8	1.7	1.6	1.7	1.6	1.5	1.5	1.5	1.5	1.6
G69.0	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.5
G70.0	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.4
G71.0	1.5	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.2	1.2
G72.0	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	1.1
G73.0	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	1.0

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G0.0	67.3	68.0	67.7	67.8	67.9	67.9	68.1	68.0	66.8	66.6
G1.0	67.4	66.9	67.2	67.3	67.4	67.8	67.7	67.7	66.7	66.6
G2.0	65.6	65.9	66.2	66.4	66.5	66.8	67.1	67.2	66.5	67.0
G3.0	64.1	64.5	64.8	65.2	65.6	65.6	66.3	66.4	65.8	66.3
G4.0	62.9	63.8	63.7	63.9	64.5	64.9	65.3	65.4	65.1	65.5
G5.0	60.9	61.8	62.2	62.5	62.9	63.2	64.0	64.2	64.1	64.8
G6.0	59.3	59.5	60.5	60.7	61.0	61.7	62.5	62.7	62.9	63.5
G7.0	57.4	58.1	58.6	59.0	59.8	60.1	60.9	61.2	61.5	62.5
G8.0	55.1	55.3	56.3	56.9	57.8	58.1	59.0	59.2	59.7	61.1
G9.0	52.9	53.3	54.2	54.7	55.7	56.3	57.0	57.4	57.9	59.3
G10.0	50.6	51.4	52.1	52.6	53.4	54.1	55.0	55.3	56.1	57.6
G11.0	48.4	48.6	49.6	50.1	51.1	51.9	52.7	53.1	54.0	55.6
G12.0	46.4	46.5	47.3	47.9	48.7	49.6	50.4	50.9	51.9	53.3
G13.0	43.9	44.3	45.3	45.7	46.4	47.4	48.1	48.7	49.9	51.4
G14.0	41.3	41.9	42.6	43.2	44.2	44.6	45.8	46.3	47.5	49.1
G15.0	38.8	39.5	40.5	41.0	42.0	42.6	43.5	44.0	45.3	47.0
G16.0	36.9	37.2	38.3	38.6	39.7	40.3	41.3	41.8	42.9	44.5
G17.0	34.6	35.1	35.9	36.5	37.3	38.0	38.9	39.5	40.7	42.4
G18.0	32.5	33.0	33.8	34.3	35.4	35.9	36.8	37.3	38.7	40.2
G19.0	30.5	30.8	31.6	32.2	33.0	33.6	34.5	35.0	36.3	38.0
G20.0	28.5	28.9	29.8	30.2	31.0	31.8	32.4	33.1	34.2	35.4
G21.0	26.7	27.2	27.8	28.4	29.3	29.6	30.6	31.1	32.2	33.9
G22.0	25.0	25.2	26.0	26.4	27.2	27.9	28.6	29.1	30.3	31.6
G23.0	23.5	23.9	24.6	24.9	25.7	26.2	27.0	27.4	28.5	29.7
G24.0	21.9	22.0	22.9	23.2	24.1	24.5	25.4	25.6	26.6	28.1
G25.0	20.4	20.8	21.3	21.7	22.5	23.0	23.6	24.3	25.0	26.4
G26.0	19.2	19.4	20.0	20.4	21.1	21.5	22.2	22.6	23.4	24.7
G27.0	17.8	18.2	18.7	19.0	19.7	20.1	20.7	21.0	21.9	22.9
G28.0	16.9	17.1	17.5	17.9	18.4	18.9	19.3	19.8	20.5	21.4
G29.0	15.9	16.1	16.4	16.8	17.4	17.7	18.3	18.5	19.2	20.2
G30.0	14.8	15.1	15.4	15.7	16.2	16.6	17.0	17.3	18.1	18.8
G31.0	13.9	14.2	14.5	14.7	15.3	15.5	16.0	16.3	16.9	17.7
G32.0	13.1	13.2	13.6	13.8	14.3	14.5	15.0	15.2	16.0	16.4
G33.0	12.4	12.5	12.8	13.0	13.4	13.8	14.1	14.3	14.9	15.4
G34.0	11.6	11.8	12.1	12.3	12.8	12.9	13.3	13.4	14.0	14.5
G35.0	11.0	11.1	11.4	11.5	11.9	12.1	12.4	12.6	13.1	13.8
G36.0	10.4	10.5	10.7	10.9	11.2	11.4	11.7	11.8	12.4	12.8

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C100.0	C110.0	C120.0	C130.0	C140.0	C150.0	C160.0	C170.0	C180.0	C190.0
G37.0	9.8	9.9	10.2	10.3	10.6	10.9	11.1	11.2	11.6	12.1
G38.0	9.3	9.4	9.5	9.7	10.0	10.1	10.4	10.5	10.9	11.3
G39.0	8.8	8.9	9.1	9.2	9.5	9.5	9.8	9.9	10.2	10.6
G40.0	8.4	8.4	8.6	8.7	8.9	9.0	9.3	9.4	9.7	10.1
G41.0	7.9	8.0	8.1	8.3	8.5	8.6	8.7	8.9	9.1	9.5
G42.0	7.5	7.6	7.7	7.8	8.0	8.1	8.3	8.4	8.7	9.0
G43.0	7.1	7.2	7.3	7.4	7.6	7.7	7.8	7.9	8.2	8.4
G44.0	6.8	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.8	7.9
G45.0	6.4	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.5
G46.0	6.1	6.1	6.2	6.3	6.5	6.5	6.7	6.7	6.9	7.1
G47.0	5.8	5.9	5.9	6.0	6.1	6.1	6.3	6.4	6.5	6.8
G48.0	5.4	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.2	6.4
G49.0	5.2	5.2	5.4	5.4	5.5	5.5	5.6	5.7	5.9	6.0
G50.0	4.9	5.0	5.1	5.1	5.3	5.3	5.4	5.4	5.6	5.7
G51.0	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.4
G52.0	4.4	4.4	4.6	4.6	4.7	4.7	4.8	4.8	5.0	5.1
G53.0	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.7	4.8
G54.0	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.4	4.5
G55.0	3.7	3.7	3.9	3.9	4.0	4.0	4.1	4.0	4.2	4.3
G56.0	3.5	3.5	3.6	3.7	3.8	3.8	3.8	3.8	3.9	4.0
G57.0	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.6	3.7	3.8
G58.0	3.1	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.5	3.6
G59.0	2.9	3.0	3.0	3.1	3.1	3.1	2.9	3.2	3.3	3.4
G60.0	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.2
G61.0	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	3.0
G62.0	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.8	2.9
G63.0	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.7
G64.0	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.5
G65.0	2.0	2.1	2.1	2.3	2.1	2.1	2.2	2.2	2.3	2.4
G66.0	1.9	1.9	2.0	1.9	2.0	2.0	2.0	2.0	2.1	2.2
G67.0	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.1
G68.0	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.9
G69.0	1.5	1.5	1.5	1.5	1.6	1.5	1.6	1.6	1.7	1.8
G70.0	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6
G71.0	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5
G72.0	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.4
G73.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.3

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G0.0	66.8	66.7	66.8	66.7	66.5	66.9	67.2	67.3	67.3	68.0
G1.0	67.1	67.2	67.2	67.3	67.4	67.6	67.8	67.9	68.3	68.2
G2.0	67.1	67.4	67.6	67.5	67.6	68.0	68.2	68.4	68.3	68.3
G3.0	66.7	67.3	67.4	67.7	68.1	68.3	68.4	68.6	68.4	68.1
G4.0	66.2	66.8	67.2	67.5	68.2	68.4	68.4	68.4	68.3	68.2
G5.0	65.2	66.2	66.7	67.3	67.5	68.4	67.9	68.1	67.9	68.0
G6.0	64.6	65.3	65.9	66.6	67.1	67.2	67.3	67.5	67.4	66.8
G7.0	63.3	64.0	65.0	65.8	66.1	66.5	66.5	66.6	66.5	66.4
G8.0	61.6	62.9	63.7	64.8	64.8	65.5	65.7	65.6	65.3	65.0
G9.0	60.4	61.5	62.3	63.4	63.7	64.3	64.2	64.3	63.6	64.2
G10.0	58.7	60.0	60.7	61.9	62.2	62.9	62.9	62.8	62.2	61.9
G11.0	56.8	58.0	59.0	60.1	60.7	61.2	61.1	61.0	60.5	60.8
G12.0	55.0	56.1	57.1	58.1	58.8	59.3	59.4	59.3	58.7	58.4
G13.0	52.5	54.1	55.2	56.4	57.2	57.6	57.5	57.5	56.8	56.3
G14.0	50.5	51.8	53.0	54.0	54.5	55.3	55.2	55.2	55.0	54.2
G15.0	48.3	49.7	50.9	52.0	52.4	53.3	53.2	53.1	52.6	52.0
G16.0	45.8	47.5	48.4	49.8	50.4	50.8	50.9	50.8	50.0	49.6
G17.0	43.8	45.2	46.3	47.3	47.9	48.7	48.5	48.7	48.0	47.3
G18.0	41.4	42.9	44.0	45.2	45.7	46.3	46.5	46.4	45.7	45.0
G19.0	39.0	40.5	41.5	43.0	43.4	44.0	44.1	43.9	43.2	42.8
G20.0	37.0	38.4	39.4	40.5	41.3	41.8	41.7	41.8	41.1	40.6
G21.0	34.6	36.3	37.2	38.5	38.8	39.6	39.4	39.6	38.8	38.4
G22.0	32.9	34.1	35.0	36.1	36.6	37.2	37.3	37.3	36.7	36.1
G23.0	30.7	32.2	33.0	34.2	34.6	35.1	35.1	34.9	34.6	33.9
G24.0	28.8	30.0	30.8	31.9	32.4	32.9	32.9	32.9	32.2	31.6
G25.0	27.1	28.1	29.1	29.9	30.7	31.0	31.0	30.9	30.4	30.0
G26.0	25.4	26.5	27.3	28.1	28.6	29.1	29.0	29.1	28.5	28.1
G27.0	23.7	24.7	25.4	26.3	26.6	27.1	27.3	27.1	26.6	26.4
G28.0	22.4	23.3	23.7	24.6	25.3	25.5	25.5	25.5	25.1	24.7
G29.0	20.7	21.7	22.2	23.1	23.3	23.9	23.7	23.9	23.3	23.2
G30.0	19.4	20.3	20.8	21.5	22.0	22.3	22.4	22.4	22.0	21.6
G31.0	18.3	19.0	19.5	20.3	20.6	21.0	20.8	20.9	20.6	20.3
G32.0	16.9	17.7	18.2	18.7	19.3	19.5	19.6	19.5	19.1	18.8
G33.0	16.0	16.6	17.0	17.6	18.0	18.3	18.4	18.4	17.9	17.8
G34.0	14.9	15.6	16.0	16.6	16.9	17.1	17.2	17.2	16.9	16.6
G35.0	14.0	14.6	14.9	15.5	15.7	16.0	16.1	16.1	15.8	15.7
G36.0	13.1	13.7	14.0	14.6	14.8	15.1	15.1	15.1	14.8	14.6

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C200.0	C210.0	C220.0	C230.0	C240.0	C250.0	C260.0	C270.0	C280.0	C290.0
G37.0	12.3	12.9	13.1	13.7	13.8	14.2	14.1	14.2	13.9	13.8
G38.0	11.6	12.0	12.3	12.8	13.1	13.3	13.3	13.3	13.1	12.9
G39.0	10.9	11.4	11.6	12.0	12.3	12.7	12.6	12.6	12.4	12.1
G40.0	10.3	10.6	10.9	11.2	11.6	11.7	11.7	11.7	11.5	11.4
G41.0	9.7	10.0	10.2	10.7	10.9	11.0	11.1	11.1	10.8	10.8
G42.0	9.2	9.4	9.7	10.1	10.2	10.4	10.2	10.5	10.2	10.1
G43.0	8.6	8.9	9.0	9.4	9.6	9.9	9.9	9.8	9.6	9.5
G44.0	8.1	8.4	8.6	8.9	9.1	9.2	9.3	9.2	9.0	8.9
G45.0	7.7	7.9	8.1	8.4	8.5	8.7	8.7	8.7	8.4	8.4
G46.0	7.3	7.5	7.6	7.9	8.1	8.2	8.2	8.2	7.9	7.6
G47.0	6.9	7.1	7.2	7.5	7.7	7.7	7.7	7.7	7.4	7.4
G48.0	6.5	6.7	6.8	7.1	7.2	7.2	7.2	7.3	7.0	6.9
G49.0	6.2	6.3	6.5	6.6	6.8	6.8	6.8	6.8	6.7	6.6
G50.0	5.8	6.0	6.1	6.3	6.4	6.7	6.5	6.5	6.3	6.2
G51.0	5.5	5.7	5.7	5.9	6.0	6.1	6.1	6.1	5.9	5.8
G52.0	5.2	5.4	5.4	5.5	5.7	5.8	5.8	5.8	5.6	5.6
G53.0	4.8	5.1	5.1	5.3	5.3	5.4	5.4	5.5	5.3	5.3
G54.0	4.6	4.8	4.8	5.0	5.1	5.1	5.1	5.1	5.0	5.0
G55.0	4.4	4.5	4.6	4.7	4.7	4.8	4.8	4.9	4.8	4.7
G56.0	4.1	4.3	4.3	4.4	4.5	4.6	4.6	4.6	4.5	4.5
G57.0	3.9	4.0	4.1	4.2	4.3	4.3	4.3	4.4	4.3	4.3
G58.0	3.7	3.8	3.9	4.0	4.1	4.1	4.1	4.2	4.1	4.0
G59.0	3.5	3.6	3.6	3.8	3.8	3.9	3.9	3.9	3.8	3.8
G60.0	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.6	3.6
G61.0	3.0	3.2	3.2	3.4	3.4	3.5	3.5	3.5	3.4	3.4
G62.0	2.9	3.0	3.0	3.2	3.2	3.3	3.3	3.3	3.3	3.2
G63.0	2.7	2.8	2.9	3.0	3.1	3.1	3.1	3.2	3.1	3.0
G64.0	2.5	2.7	2.7	2.8	2.9	2.9	2.9	3.0	2.9	2.9
G65.0	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.7	2.7
G66.0	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6
G67.0	2.1	2.2	2.2	2.3	2.4	2.4	2.4	2.5	2.4	2.4
G68.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.2	2.3
G69.0	1.8	1.9	1.9	2.0	2.1	2.1	2.1	2.2	2.1	2.1
G70.0	1.7	1.8	1.8	1.9	2.0	2.0	2.0	2.0	2.0	1.9
G71.0	1.6	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.8	1.8
G72.0	1.4	1.5	1.5	1.6	1.7	1.7	1.7	1.8	1.5	1.7
G73.0	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.5	1.5

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G0.0	67.7	67.8	67.9	67.9	68.1	68.0	66.8			
G1.0	68.2	68.2	68.0	68.1	68.2	68.0	66.7			
G2.0	68.3	68.3	68.3	68.6	67.9	67.9	66.2			
G3.0	68.2	68.1	68.3	67.9	67.6	67.3	65.6			
G4.0	67.9	67.8	67.3	67.2	66.9	66.7	64.8			
G5.0	67.7	67.1	66.5	66.5	66.1	65.7	63.7			
G6.0	66.7	66.2	65.8	65.5	64.9	64.6	62.6			
G7.0	65.5	65.1	64.5	64.7	63.6	63.2	60.8			
G8.0	64.2	63.8	63.0	62.8	62.1	61.7	59.4			
G9.0	62.8	62.3	61.6	60.7	60.4	60.0	57.5			
G10.0	61.2	60.6	59.8	59.3	58.6	58.1	55.7			
G11.0	59.2	58.6	57.6	57.6	56.5	56.0	53.5			
G12.0	57.3	56.7	55.7	55.4	54.5	54.0	51.5			
G13.0	55.4	54.8	53.7	53.3	52.5	51.9	49.4			
G14.0	53.2	52.4	51.4	50.9	50.2	49.5	47.2			
G15.0	51.0	50.3	49.4	48.7	47.9	47.4	45.0			
G16.0	48.7	47.8	47.1	46.5	45.6	45.0	43.0			
G17.0	46.5	45.7	44.8	44.4	43.4	42.8	40.6			
G18.0	44.3	43.5	42.7	42.0	41.3	40.7	38.5			
G19.0	42.0	41.2	40.5	39.7	38.9	38.4	36.2			
G20.0	39.7	39.0	38.4	37.9	36.9	36.3	34.3			
G21.0	37.3	36.9	35.9	35.5	34.6	34.4	32.4			
G22.0	35.4	34.7	33.9	33.5	32.7	32.2	30.4			
G23.0	33.3	32.7	31.8	31.4	30.8	30.3	28.6			
G24.0	31.1	30.6	29.9	29.4	28.9	28.3	27.0			
G25.0	29.5	28.9	28.1	27.7	27.1	26.7	25.1			
G26.0	27.6	27.1	26.4	26.1	25.3	25.1	23.7			
G27.0	25.8	25.3	24.7	24.2	23.8	23.5	22.1			
G28.0	24.3	23.8	23.2	22.7	22.3	22.0	20.7			
G29.0	22.6	22.3	21.7	21.4	20.9	20.6	19.5			
G30.0	21.2	20.9	20.4	20.0	19.6	19.3	18.0			
G31.0	19.9	19.5	19.1	18.9	18.4	17.9	17.1			
G32.0	18.6	18.3	17.8	17.4	17.2	16.9	15.9			
G33.0	17.4	17.1	16.7	16.5	16.1	15.9	15.0			
G34.0	16.4	16.1	15.7	15.7	15.1	14.9	14.1			
G35.0	15.4	15.0	14.7	14.4	14.1	13.9	13.1			
G36.0	14.4	14.1	13.9	13.6	13.3	13.1	12.4			

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: 11.703 m
 Humidity:
 Inspector:

Candlepower Table (Continue 10)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	13.4	13.3	12.9	12.8	12.5	12.4	11.6			
G38.0	12.7	12.4	12.2	12.0	11.6	11.6	10.9			
G39.0	11.9	11.6	11.6	11.3	11.1	10.9	10.3			
G40.0	11.1	11.0	10.8	10.6	10.4	10.2	9.6			
G41.0	10.5	10.3	10.1	9.9	9.7	9.6	9.1			
G42.0	9.9	9.7	9.5	9.4	9.1	9.0	8.6			
G43.0	9.2	9.1	8.9	8.8	8.6	8.4	8.0			
G44.0	8.7	8.6	8.4	8.3	8.1	7.9	7.6			
G45.0	8.1	8.0	7.8	7.8	7.6	7.5	7.1			
G46.0	7.7	7.6	7.4	7.4	7.1	7.0	6.7			
G47.0	7.3	7.1	7.0	6.9	6.7	6.6	6.3			
G48.0	6.8	6.7	6.5	6.5	6.3	6.2	5.9			
G49.0	6.5	6.3	6.3	6.1	6.0	5.9	5.6			
G50.0	6.1	6.0	5.9	5.8	5.7	5.6	5.3			
G51.0	5.8	5.7	5.5	5.5	5.3	5.3	5.0			
G52.0	5.5	5.4	5.2	5.2	5.1	5.0	4.7			
G53.0	5.2	5.1	5.0	5.0	4.8	4.7	4.5			
G54.0	4.9	4.8	4.7	4.7	4.5	4.5	4.3			
G55.0	4.7	4.5	4.5	4.4	4.3	4.2	4.0			
G56.0	4.4	4.3	4.2	4.2	4.1	4.0	3.8			
G57.0	4.2	4.1	4.0	3.7	3.9	3.8	3.6			
G58.0	4.0	3.9	3.8	3.8	3.7	3.6	3.4			
G59.0	3.7	3.6	3.6	3.5	3.4	3.4	3.2			
G60.0	3.5	3.5	3.4	3.4	3.3	3.2	3.0			
G61.0	3.3	3.3	3.2	3.2	3.1	3.0	2.9			
G62.0	3.2	3.1	3.0	3.0	2.9	2.9	2.7			
G63.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6			
G64.0	2.8	2.8	2.7	2.6	2.5	2.5	2.4			
G65.0	2.7	2.6	2.5	2.5	2.4	2.3	2.3			
G66.0	2.5	2.4	2.4	2.3	2.2	2.2	2.1			
G67.0	2.4	2.3	2.2	2.2	2.1	2.0	2.0			
G68.0	2.2	2.2	2.1	2.0	2.0	1.9	1.8			
G69.0	2.1	2.0	2.0	1.9	1.8	1.8	1.7			
G70.0	1.9	1.8	1.8	1.8	1.7	1.7	1.6			
G71.0	1.8	1.8	1.7	1.6	1.6	1.5	1.5			
G72.0	1.7	1.6	1.5	1.5	1.4	1.4	1.3			
G73.0	1.5	1.5	1.4	1.4	1.3	1.3	1.2			

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: 11.703 m
 Humidity:
 Inspector:

