



Report No.:

Test Time: 2021-04-12 11:39

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: RAD-S-CIS-3.5000.24.-.60

Luminous Length (mm): -53

Luminous Width (mm): -53

Luminous Height (mm): 70

Voltage: 24.0 V

Current: 0.146 A

Power: 3.49 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 281.6 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 281.6 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 95.9, 95.8, 95.7, 95.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 53.6, 53.8, 53.6, 53.6

Luminaire Efficacy Rating (LER): 80.73

Central Intensity: 300.89 cd

Max. Intensity: 300.96 cd

Pos of Max. Intensity: H0 V1

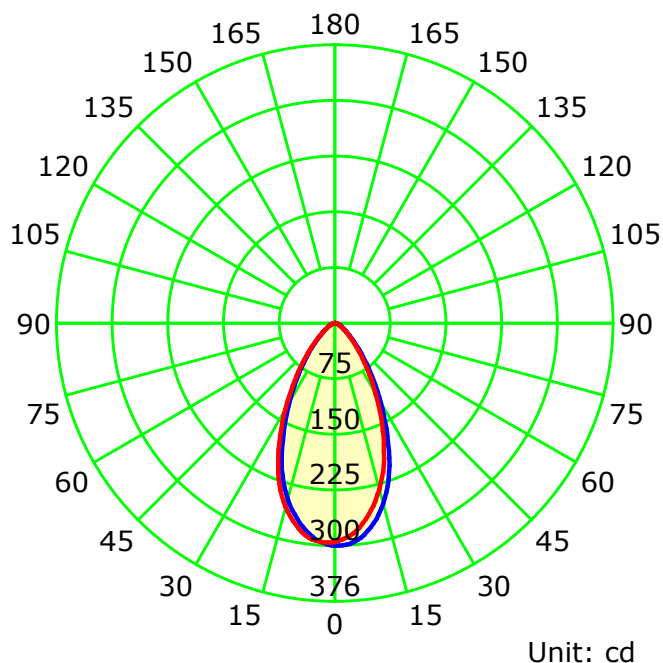
S/MH(C0/C180): 0.82

S/MH(C90/C270): 0.83

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 10.0

Test Lab: Svet-lab

Test Type: TYPE C

Temperature:

Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0

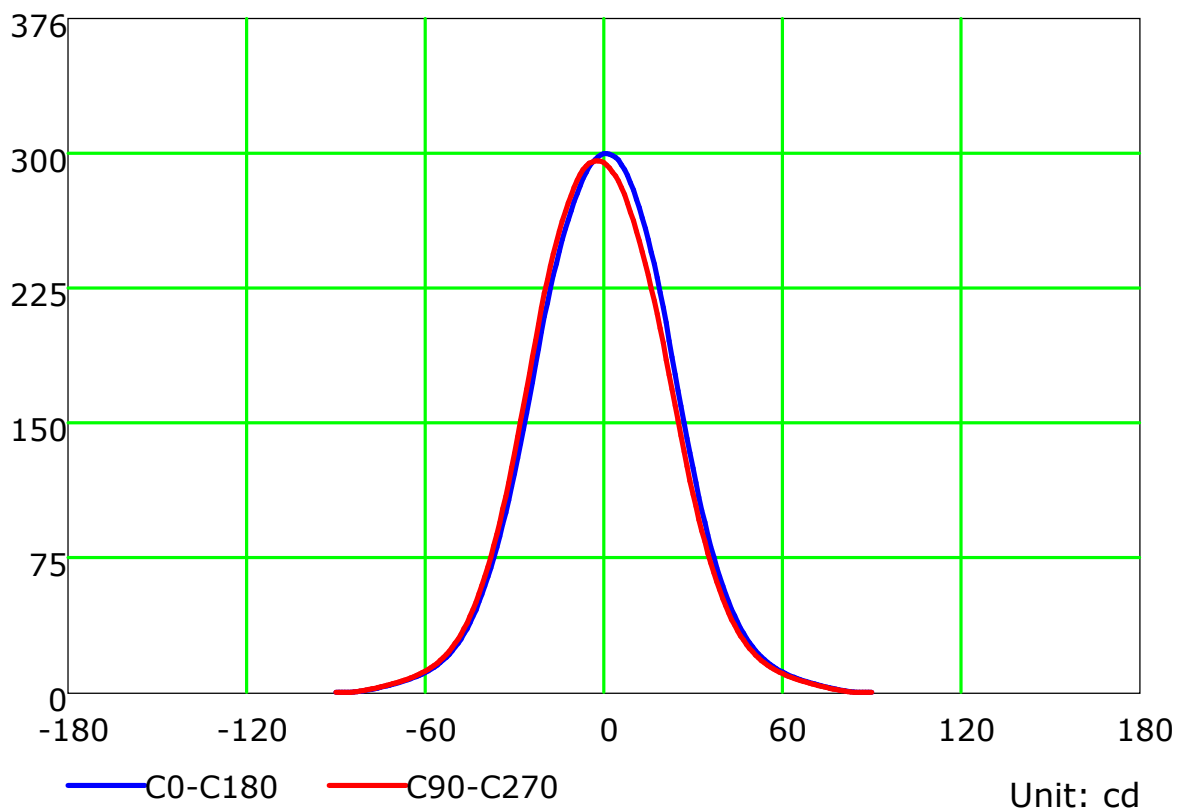
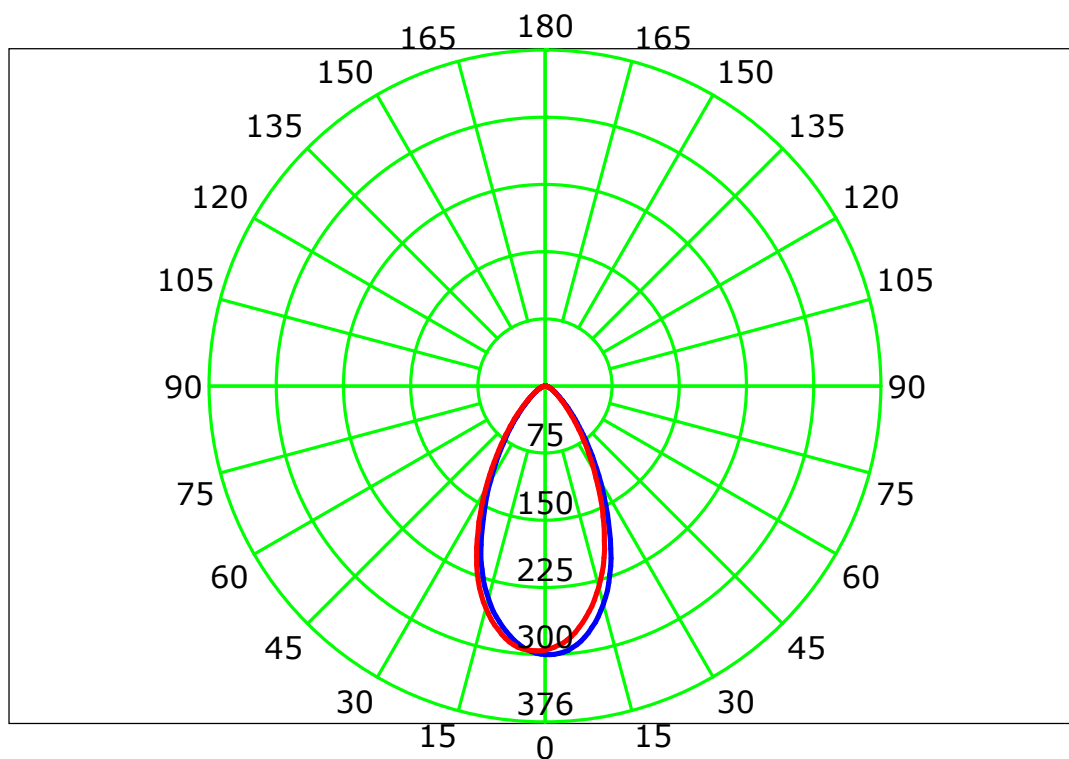
Test Device: LSG-1700B

Distance: 9.600 m

Humidity:

Inspector:

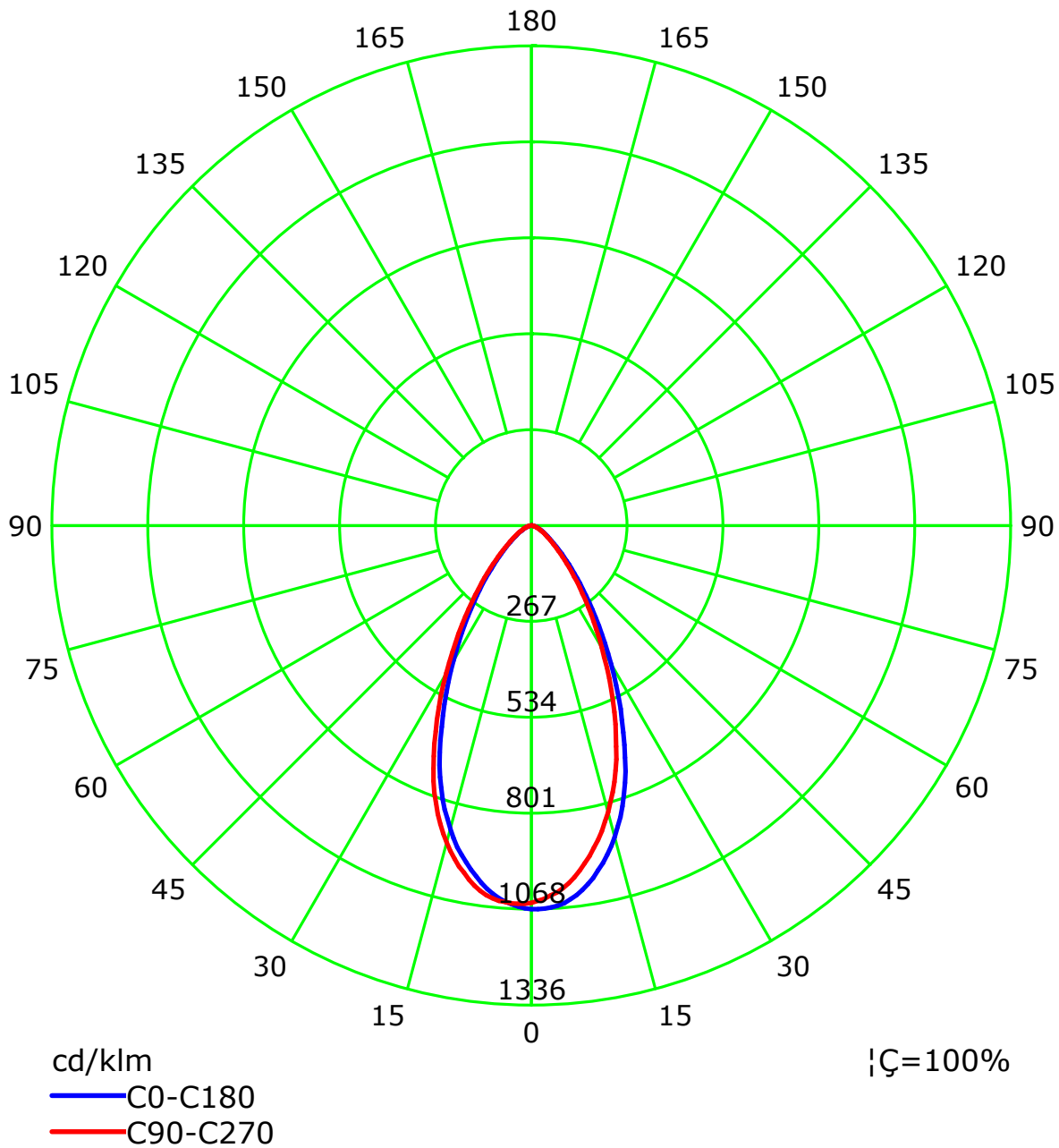
Luminous Intensity Distribution Curve



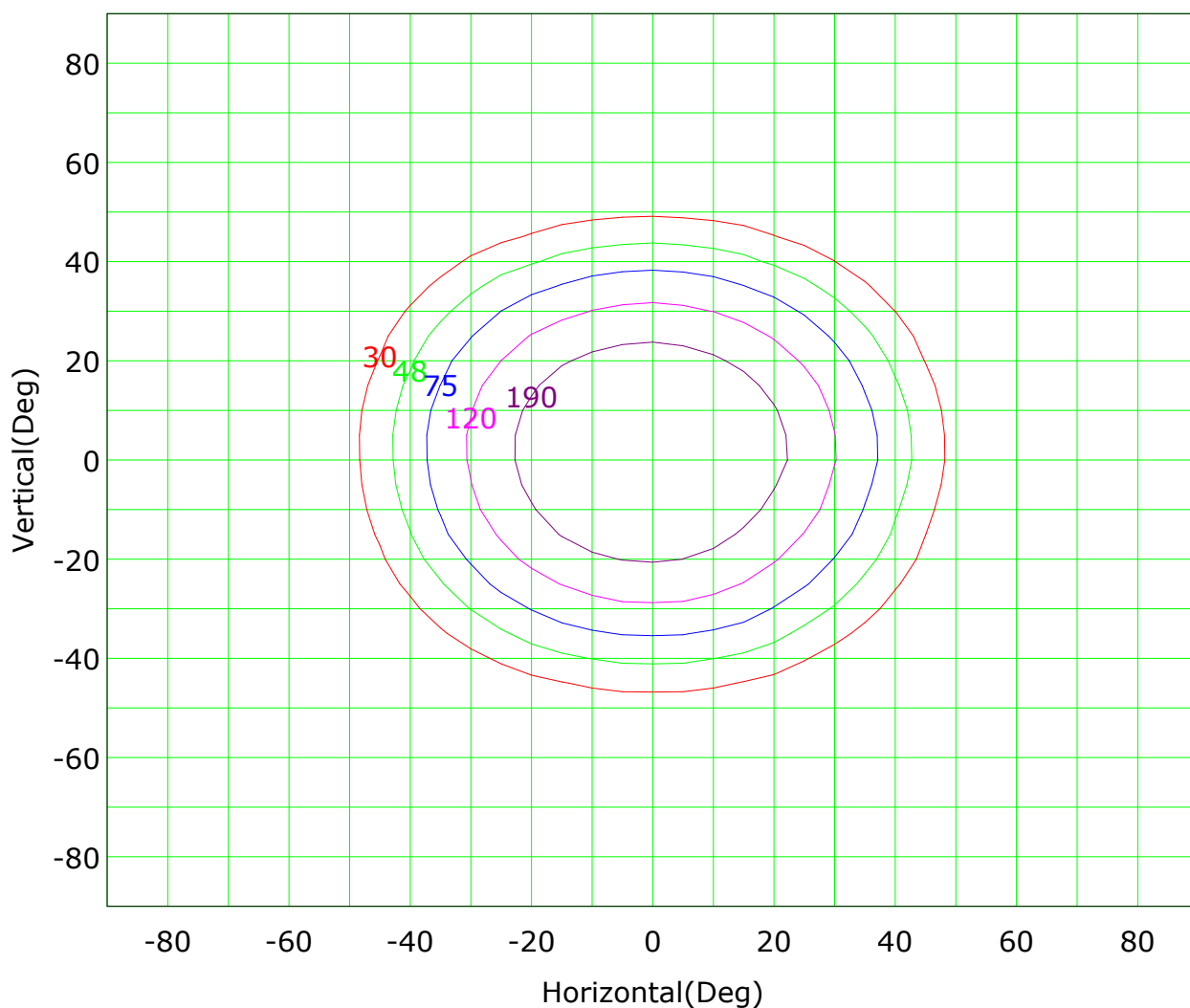
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



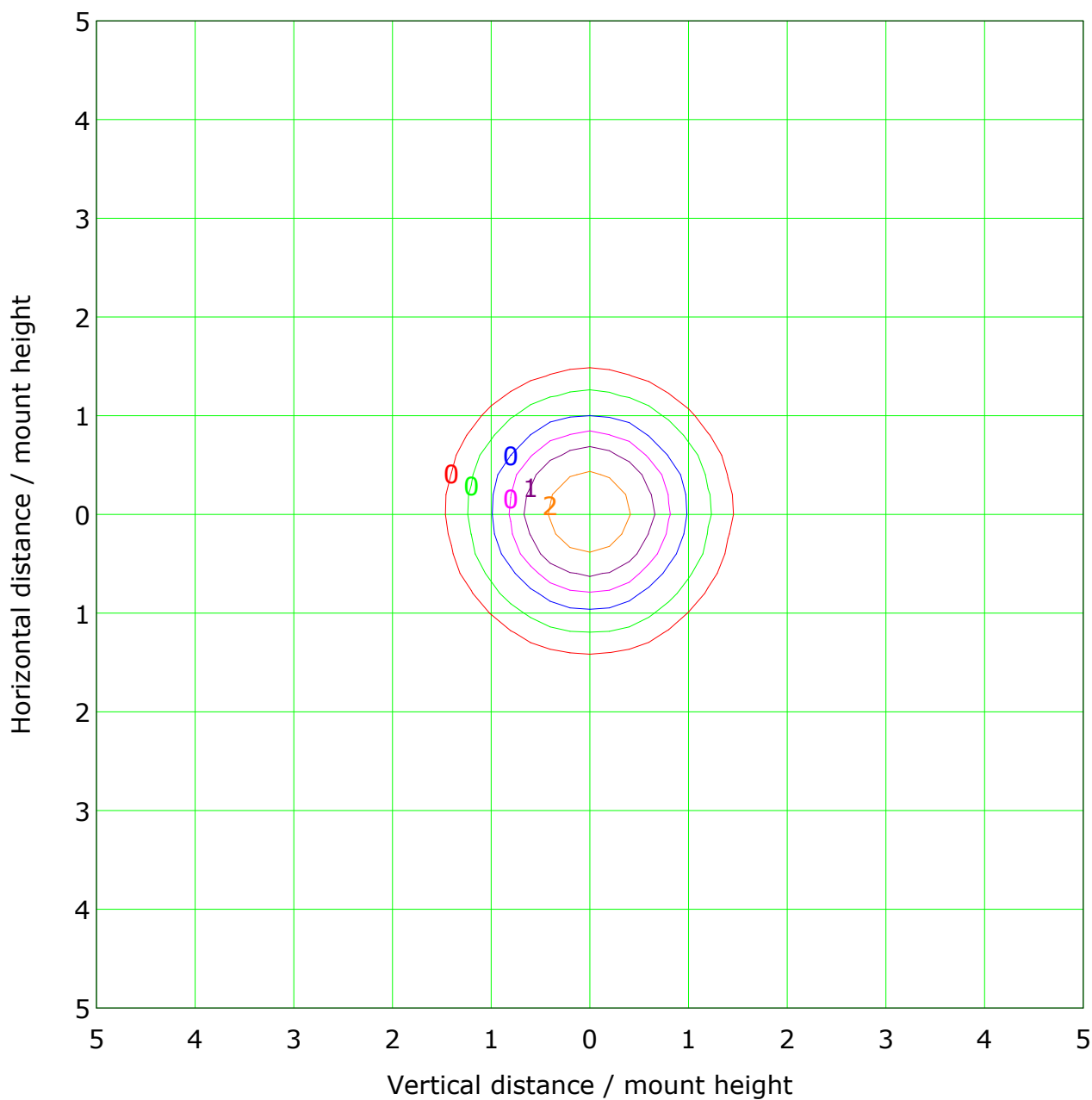
Isocandela (rectangle)



Imax (100%): 301 cd

(10%):	30 cd	(16%):	48 cd
(25%):	75 cd	(40%):	120 cd
(63%):	190 cd	(100%):	301 cd

IsoLux Plot



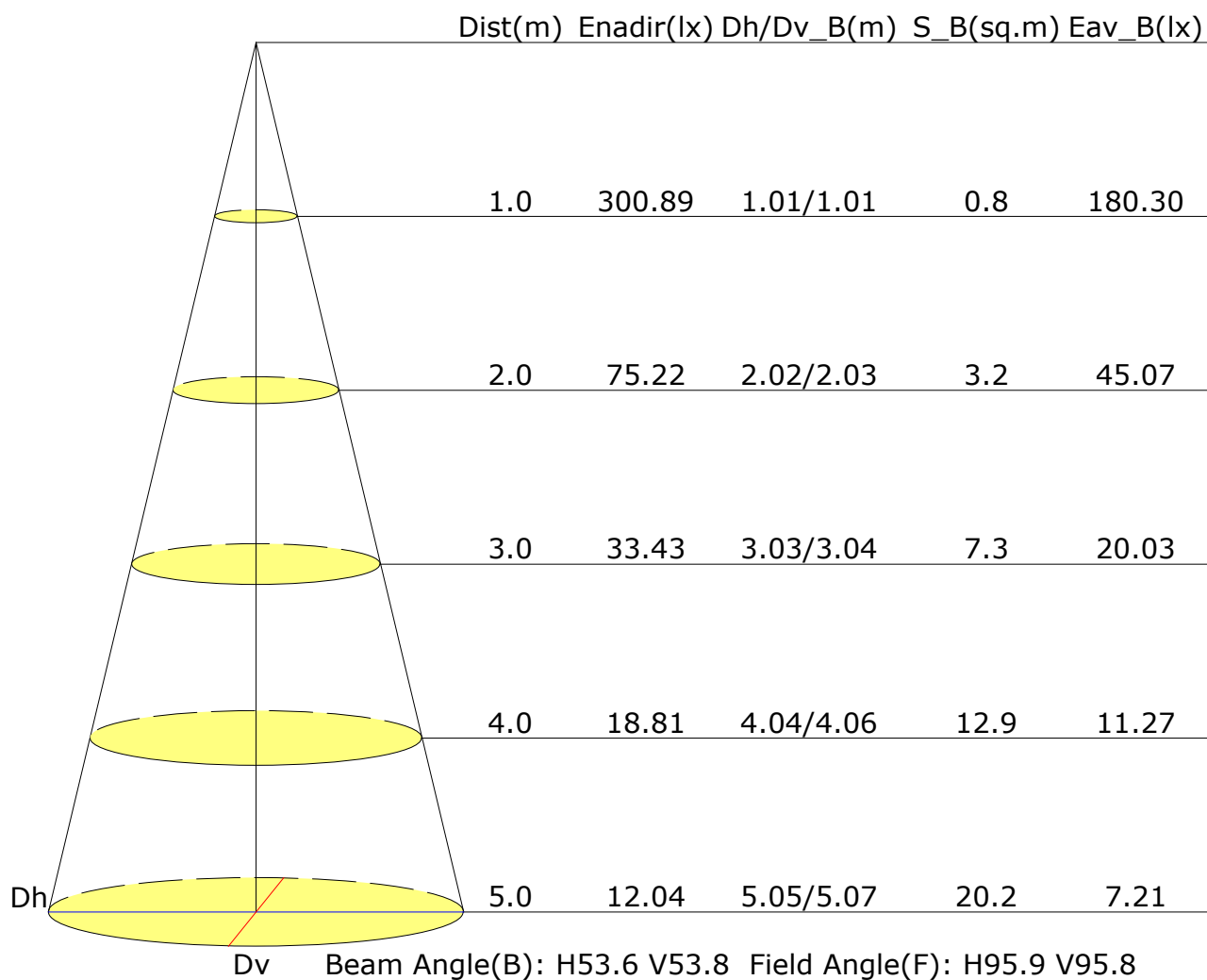
Mounting Height: 10.0m Max Lux(100%): 3.0 lx

— (1%): 0.0 lx	— (2%): 0.1 lx
— (5%): 0.2 lx	— (10%): 0.3 lx
— (20%): 0.6 lx	— (50%): 1.5 lx
— (100%): 3.0 lx	

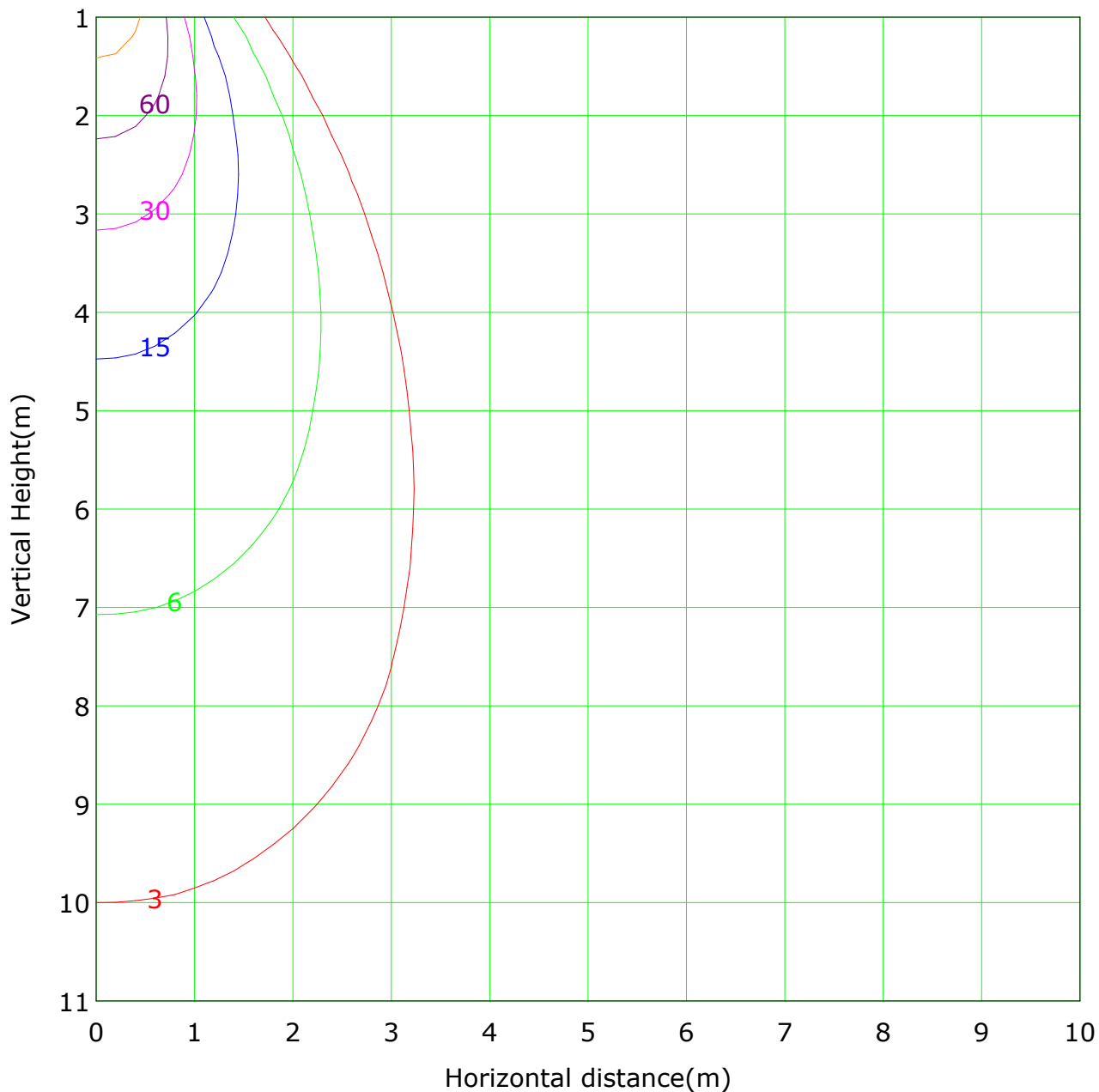
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

Illuminance at a Distance



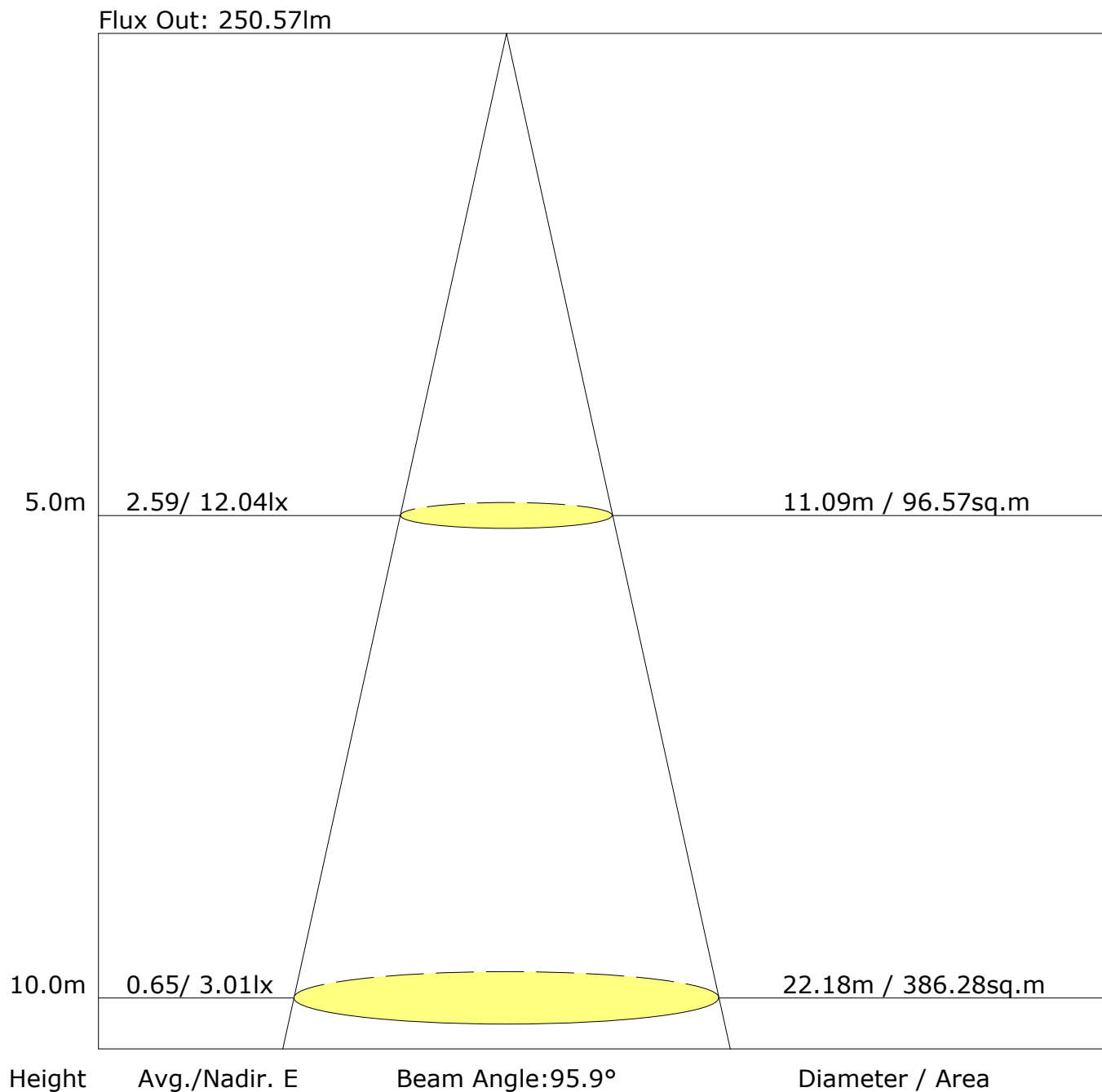
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 300.9 lx

— (1%): 3.0 lx	— (2%): 6.0 lx
— (5%): 15.0 lx	— (10%): 30.1 lx
— (20%): 60.2 lx	— (50%): 150.4 lx
— (100%): 300.9 lx	

The Average Illuminance Effective Figure

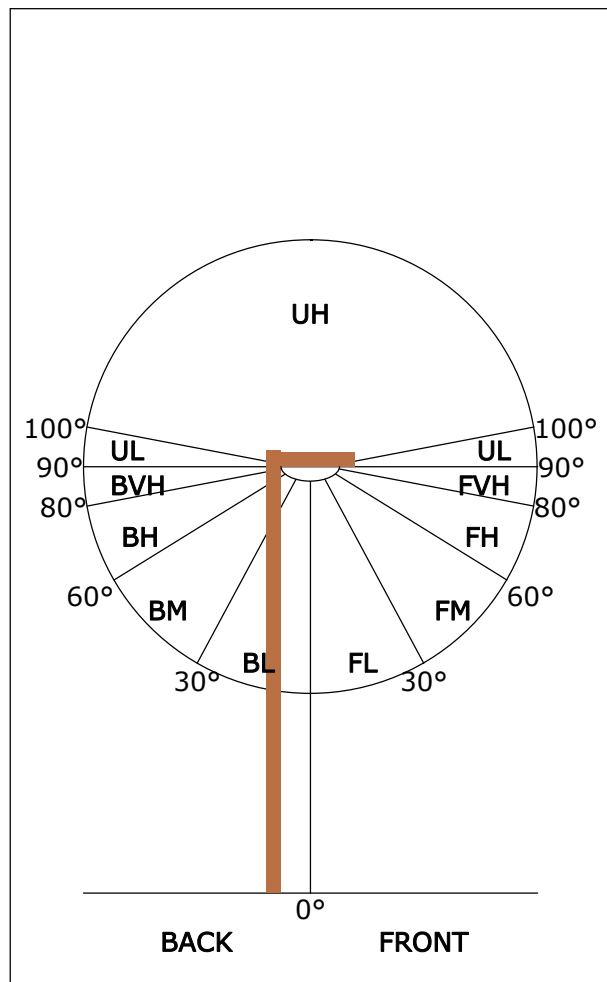


UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/4.5					-1.\$/4.7				
S=1.5H	-1.\$/7.3					-1.\$/7.3				
S=2.0H	-1.\$/9.2					-1.\$/9.2				

Calculate in accordance with CIE Pub.117. The table is revised with 282lm ($8\log(F/F_0) = -4.4$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



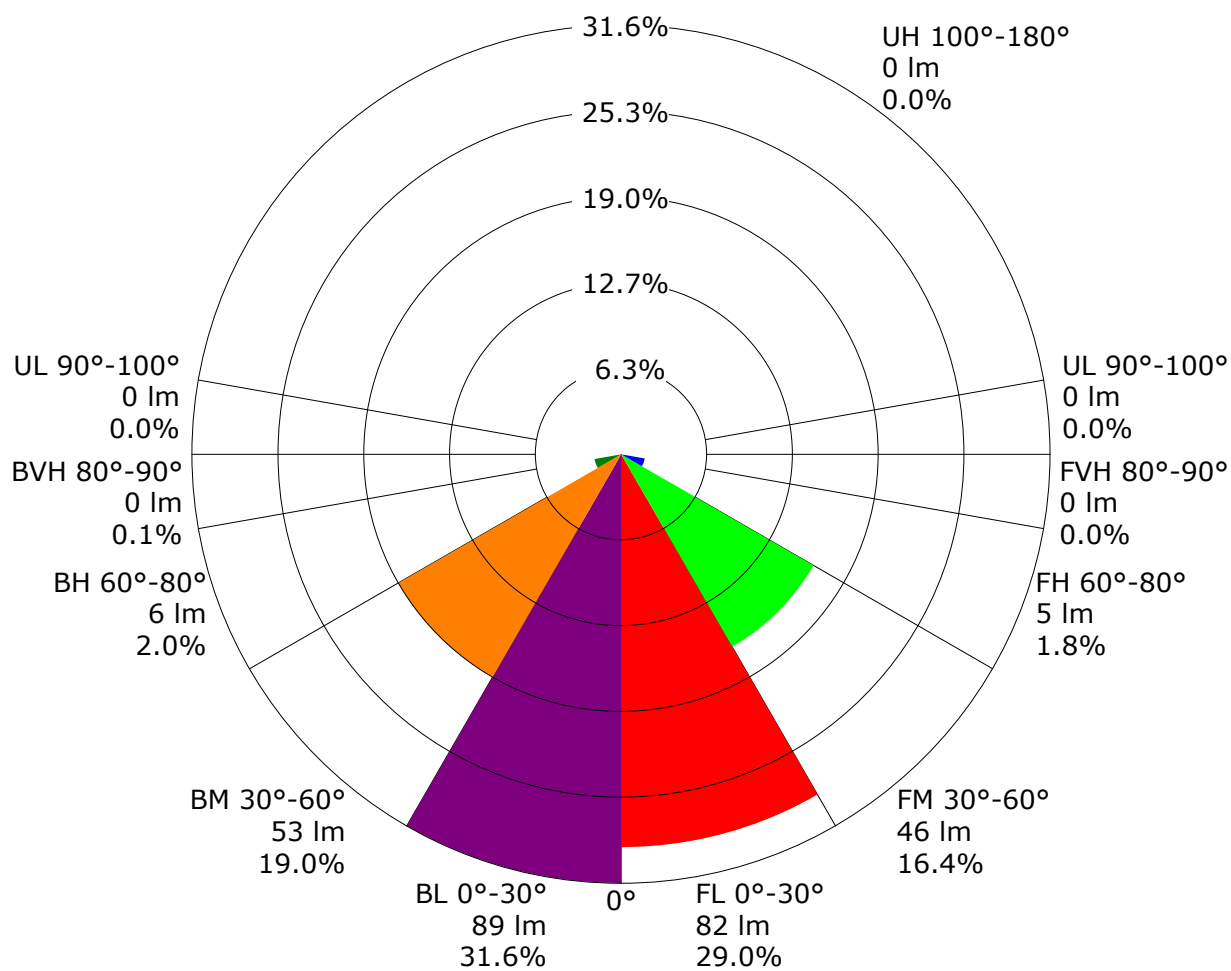
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	133	47.3
FL (0°-30°)	82	29.0
FM (30°-60°)	46	16.4
FH (60°-80°)	5	1.8
FVH (80°-90°)	0	0.0
BACK LIGHT	148	52.7
BL (0°-30°)	89	31.6
BM (30°-60°)	53	19.0
BH (60°-80°)	6	2.0
BVH (80°-90°)	0	0.1
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	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

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	296.2	0.3	0.3	0.10	0.10
1.0-2.0	295.7	0.8	1.1	0.30	0.40
2.0-3.0	294.8	1.4	2.5	0.50	0.90
3.0-4.0	293.5	2.0	4.5	0.70	1.60
4.0-5.0	291.9	2.5	7.0	0.89	2.49
5.0-6.0	289.7	3.0	10.1	1.08	3.57
6.0-7.0	286.9	3.6	13.6	1.26	4.84
7.0-8.0	283.6	4.1	17.7	1.44	6.28
8.0-9.0	279.8	4.5	22.2	1.61	7.89
9.0-10.0	275.6	5.0	27.2	1.77	9.66
10.0-11.0	270.9	5.4	32.6	1.92	11.59
11.0-12.0	265.9	5.8	38.4	2.06	13.65
12.0-13.0	260.7	6.2	44.6	2.20	15.85
13.0-14.0	255.0	6.5	51.1	2.32	18.17
14.0-15.0	248.8	6.8	58.0	2.43	20.59
15.0-16.0	242.5	7.1	65.1	2.52	23.12
16.0-17.0	235.8	7.3	72.4	2.61	25.72
17.0-18.0	228.9	7.5	80.0	2.68	28.41
18.0-19.0	221.3	7.7	87.7	2.74	31.14
19.0-20.0	213.3	7.8	95.5	2.77	33.91
20.0-21.0	205.1	7.9	103.4	2.80	36.71
21.0-22.0	196.2	7.9	111.2	2.80	39.51
22.0-23.0	187.2	7.9	119.1	2.79	42.30
23.0-24.0	178.1	7.8	126.9	2.77	45.07
24.0-25.0	169.1	7.7	134.6	2.73	47.80
25.0-26.0	160.4	7.6	142.2	2.69	50.49
26.0-27.0	151.5	7.4	149.6	2.63	53.12
27.0-28.0	142.9	7.2	156.8	2.57	55.69
28.0-29.0	134.6	7.0	163.8	2.50	58.19
29.0-30.0	126.2	6.8	170.7	2.42	60.61
30.0-31.0	118.3	6.6	177.2	2.34	62.95
31.0-32.0	110.6	6.3	183.6	2.25	65.20
32.0-33.0	103.2	6.1	189.7	2.16	67.36
33.0-34.0	96.4	5.8	195.5	2.07	69.43
34.0-35.0	89.6	5.6	201.1	1.98	71.41
35.0-36.0	83.2	5.3	206.4	1.88	73.29

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

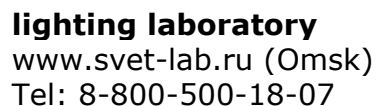
Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

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	77.2	5.0	211.4	1.79	75.08
37.0-38.0	71.4	4.8	216.2	1.69	76.77
38.0-39.0	66.1	4.5	220.7	1.60	78.37
39.0-40.0	61.1	4.3	224.9	1.51	79.89
40.0-41.0	56.2	4.0	228.9	1.42	81.31
41.0-42.0	51.9	3.8	232.7	1.34	82.65
42.0-43.0	47.6	3.5	236.2	1.25	83.90
43.0-44.0	43.7	3.3	239.5	1.17	85.07
44.0-45.0	40.1	3.1	242.6	1.10	86.17
45.0-46.0	36.8	2.9	245.5	1.02	87.19
46.0-47.0	33.7	2.7	248.2	0.95	88.14
47.0-48.0	30.9	2.5	250.7	0.89	89.03
48.0-49.0	28.4	2.3	253.0	0.83	89.86
49.0-50.0	26.1	2.2	255.2	0.77	90.64
50.0-51.0	24.0	2.0	257.2	0.72	91.36
51.0-52.0	22.1	1.9	259.1	0.67	92.03
52.0-53.0	20.3	1.8	260.9	0.63	92.66
53.0-54.0	18.7	1.7	262.5	0.59	93.25
54.0-55.0	17.3	1.5	264.1	0.55	93.79
55.0-56.0	15.9	1.4	265.5	0.51	94.30
56.0-57.0	14.7	1.3	266.9	0.48	94.78
57.0-58.0	13.6	1.3	268.1	0.45	95.23
58.0-59.0	12.6	1.2	269.3	0.42	95.65
59.0-60.0	11.7	1.1	270.4	0.39	96.04
60.0-61.0	10.8	1.0	271.4	0.37	96.41
61.0-62.0	10.0	1.0	272.4	0.34	96.75
62.0-63.0	9.3	0.9	273.3	0.32	97.07
63.0-64.0	8.6	0.8	274.2	0.30	97.37
64.0-65.0	8.0	0.8	274.9	0.28	97.65
65.0-66.0	7.4	0.7	275.7	0.26	97.91
66.0-67.0	6.8	0.7	276.4	0.24	98.16
67.0-68.0	6.3	0.6	277.0	0.23	98.38
68.0-69.0	5.8	0.6	277.6	0.21	98.59
69.0-70.0	5.3	0.5	278.1	0.19	98.78
70.0-71.0	4.8	0.5	278.6	0.18	98.96
71.0-72.0	4.4	0.5	279.1	0.16	99.12

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
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Gamma Plane (°):0.0-90.0:1.0
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Distance: 9.600 m
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Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
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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	300.9	300.0	299.3	298.6	298.0	297.5	297.1	296.6	296.4	295.8
G1.0	301.0	299.9	299.0	298.2	297.5	296.7	296.2	295.4	295.0	294.4
G2.0	300.5	299.2	298.3	297.3	296.5	295.5	294.9	294.1	293.6	292.8
G3.0	299.9	298.3	297.0	296.0	295.2	294.0	293.3	292.1	291.4	290.5
G4.0	298.8	297.1	295.6	294.2	293.3	292.2	291.3	290.0	289.2	288.4
G5.0	297.3	295.3	293.7	292.1	290.9	289.5	288.5	287.2	286.5	285.5
G6.0	294.5	292.6	290.9	289.1	288.0	286.3	285.1	283.7	283.0	281.9
G7.0	291.9	289.7	288.0	286.1	284.9	282.8	281.4	279.9	279.2	278.0
G8.0	288.6	286.0	284.5	282.0	281.0	278.5	277.7	275.3	275.2	273.1
G9.0	284.6	281.8	280.2	277.6	276.3	274.0	272.9	270.4	269.8	268.2
G10.0	280.5	277.7	276.0	273.0	271.6	269.3	267.9	265.6	265.0	263.3
G11.0	275.4	272.6	270.6	267.7	266.2	263.7	262.0	260.1	259.1	257.5
G12.0	270.6	267.5	265.2	262.5	260.6	258.1	256.6	254.9	253.6	252.0
G13.0	265.0	261.4	259.4	256.4	255.1	252.1	251.0	248.8	247.9	246.0
G14.0	259.1	255.2	252.8	249.6	248.2	245.7	244.6	242.1	241.1	239.2
G15.0	252.8	248.9	246.3	243.1	241.9	239.6	238.4	235.6	235.1	232.9
G16.0	245.9	242.2	239.5	235.9	234.6	232.6	231.3	228.3	227.4	225.6
G17.0	239.2	235.5	232.7	228.8	227.9	225.6	224.8	221.1	220.6	218.7
G18.0	231.5	227.6	225.0	221.1	220.5	218.1	217.2	213.8	213.0	211.4
G19.0	223.3	218.8	216.2	212.4	212.0	209.7	209.0	205.2	204.6	203.3
G20.0	214.8	210.3	207.4	204.0	203.3	201.0	200.5	197.1	196.3	195.1
G21.0	206.5	200.7	198.5	193.9	195.1	191.7	191.9	187.6	188.0	185.6
G22.0	196.3	191.2	188.5	185.0	185.4	182.9	181.8	178.9	178.8	177.5
G23.0	187.1	182.4	179.8	176.6	176.3	173.7	172.9	169.8	170.1	169.4
G24.0	177.5	172.6	170.7	167.6	167.0	164.3	163.1	160.4	161.0	160.2
G25.0	168.4	163.6	161.9	158.9	158.3	155.4	154.6	151.8	152.4	152.0
G26.0	159.9	155.2	153.0	150.7	150.1	146.9	146.0	143.8	144.4	143.4
G27.0	150.5	146.2	143.9	141.6	140.8	138.0	137.2	135.1	135.4	134.6
G28.0	141.8	138.0	135.9	133.0	132.7	129.6	128.8	126.9	127.5	126.3
G29.0	133.8	129.1	127.8	124.4	124.6	121.2	121.1	118.8	119.6	118.1
G30.0	125.2	121.3	119.4	116.6	116.4	113.5	113.1	111.3	111.8	110.6
G31.0	117.2	113.6	111.8	109.4	109.2	106.4	105.8	104.4	104.9	103.9
G32.0	109.0	105.8	104.1	101.5	101.7	98.7	98.4	96.8	97.4	96.3
G33.0	101.7	98.7	97.3	94.8	94.6	92.2	91.8	90.5	91.0	90.1
G34.0	94.9	92.2	90.5	88.0	88.0	86.0	85.7	84.5	84.8	84.2
G35.0	87.8	85.5	83.8	81.4	81.3	79.3	79.4	78.0	78.5	77.7
G36.0	81.4	79.3	77.7	75.8	75.6	73.8	73.7	72.4	73.1	72.3

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

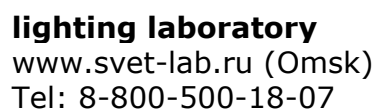
Candlepower Table (Continue 1)

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	75.6	73.3	72.3	69.8	70.0	68.0	68.5	66.9	67.7	66.7
G38.0	69.5	67.8	66.7	64.8	64.4	62.9	63.0	61.9	62.5	61.7
G39.0	64.6	62.9	61.7	59.8	59.7	58.3	58.5	57.3	57.7	57.2
G40.0	59.4	57.7	56.7	54.9	54.7	53.5	53.8	52.7	53.0	52.3
G41.0	54.8	53.3	52.2	50.8	50.3	49.4	49.6	48.7	49.0	48.4
G42.0	50.6	49.2	48.2	46.7	46.5	45.5	45.8	44.8	45.0	44.4
G43.0	46.4	44.8	44.1	42.8	42.6	41.7	41.8	41.0	41.3	40.7
G44.0	42.7	41.3	40.5	39.4	39.3	38.4	38.4	37.8	37.8	37.5
G45.0	39.2	37.7	37.3	35.9	36.1	35.1	35.4	34.5	34.9	34.4
G46.0	35.9	34.6	34.1	33.0	33.1	32.3	32.3	31.6	31.9	31.5
G47.0	32.9	31.9	31.3	30.5	30.4	29.8	29.7	29.2	29.3	29.1
G48.0	30.1	29.2	28.7	27.9	27.9	27.2	27.2	26.7	26.9	26.7
G49.0	27.7	26.9	26.5	25.8	25.7	25.1	25.1	24.7	24.9	24.6
G50.0	25.5	24.8	24.4	23.7	23.8	23.3	23.1	22.8	23.0	22.8
G51.0	23.4	22.7	22.4	21.8	21.8	21.3	21.2	20.9	21.1	20.9
G52.0	21.6	20.9	20.7	20.2	20.1	19.7	19.7	19.4	19.6	19.3
G53.0	19.9	19.2	19.1	18.5	18.7	18.2	18.2	17.8	18.1	17.8
G54.0	18.3	17.8	17.5	17.2	17.1	16.8	16.8	16.5	16.7	16.5
G55.0	17.0	16.4	16.2	15.9	15.9	15.6	15.6	15.3	15.5	15.3
G56.0	15.6	15.1	15.0	14.6	14.6	14.4	14.4	14.2	14.3	14.1
G57.0	14.4	14.1	13.9	13.6	13.6	13.3	13.4	13.1	13.3	13.1
G58.0	13.4	13.0	12.9	12.6	12.6	12.4	12.5	12.3	12.4	12.2
G59.0	12.3	12.0	11.9	11.6	11.7	11.5	11.5	11.4	11.4	11.3
G60.0	11.5	11.1	11.0	10.8	10.9	10.7	10.7	10.6	10.7	10.6
G61.0	10.6	10.3	10.2	10.0	10.0	9.9	9.9	9.8	9.9	9.8
G62.0	9.8	9.5	9.4	9.3	9.4	9.2	9.2	9.1	9.2	9.1
G63.0	9.1	8.9	8.8	8.6	8.7	8.6	8.6	8.5	8.6	8.5
G64.0	8.4	8.2	8.1	8.0	8.0	7.9	7.9	7.8	7.9	7.8
G65.0	7.8	7.6	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.3
G66.0	7.2	7.0	7.0	6.8	6.9	6.8	6.9	6.7	6.8	6.7
G67.0	6.6	6.4	6.4	6.3	6.4	6.3	6.3	6.2	6.3	6.2
G68.0	6.1	5.9	5.9	5.8	5.9	5.8	5.8	5.8	5.8	5.7
G69.0	5.6	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.2
G70.0	5.1	5.0	4.9	4.8	4.9	4.8	4.9	4.8	4.8	4.8
G71.0	4.7	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4
G72.0	4.2	4.1	4.0	3.9	4.0	4.0	4.0	3.9	4.0	3.9
G73.0	3.8	3.7	3.6	3.5	3.6	3.5	3.6	3.5	3.6	3.5

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

[illegible]

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	295.8	295.3	295.2	293.9	294.0	293.5	293.6	293.1	300.9	300.0
G1.0	294.3	293.8	293.6	292.3	292.4	292.2	292.4	292.3	300.2	299.6
G2.0	292.6	292.0	291.9	290.5	290.8	290.5	290.8	290.8	299.1	298.8
G3.0	290.2	289.6	289.6	288.1	288.4	288.3	288.9	289.1	297.4	297.3
G4.0	288.3	287.5	287.4	285.5	286.0	286.1	286.7	287.1	295.6	295.8
G5.0	285.5	284.6	284.4	282.3	283.1	283.2	284.3	284.6	293.5	293.9
G6.0	281.5	281.0	280.6	278.4	279.2	279.8	280.9	281.2	290.4	291.0
G7.0	277.7	276.8	276.8	274.3	275.3	275.9	277.1	277.8	286.9	287.8
G8.0	273.5	271.9	272.5	269.1	271.0	271.2	273.3	273.6	282.9	284.0
G9.0	268.3	267.1	267.0	264.2	265.5	266.4	268.3	269.3	278.5	279.8
G10.0	263.1	262.0	262.1	259.4	260.8	261.4	263.6	264.5	274.1	275.6
G11.0	257.5	256.2	256.4	253.7	254.9	255.6	257.7	259.1	268.9	270.5
G12.0	252.0	250.8	251.1	248.2	249.3	250.2	252.6	253.9	263.9	265.6
G13.0	246.2	244.9	245.2	242.0	243.4	244.3	247.1	248.3	258.9	260.6
G14.0	239.2	238.4	238.7	235.4	236.5	237.7	240.4	242.2	252.7	254.5
G15.0	233.1	231.9	232.2	228.8	230.3	231.1	234.0	235.8	246.4	248.3
G16.0	226.0	224.9	225.0	221.5	223.1	223.9	226.8	228.7	239.5	242.2
G17.0	219.2	217.9	218.4	214.8	216.4	217.1	220.2	222.0	232.9	234.7
G18.0	211.7	210.6	211.0	207.1	208.7	209.7	213.1	215.2	225.6	227.7
G19.0	203.5	202.2	202.8	198.7	200.6	201.1	205.0	207.3	217.5	220.0
G20.0	195.1	193.8	194.6	190.5	192.0	193.0	196.9	199.0	209.9	211.9
G21.0	187.1	185.1	186.4	181.3	183.9	183.6	188.6	189.9	201.3	203.8
G22.0	178.2	176.6	177.0	172.4	174.8	175.1	179.0	181.3	191.9	194.5
G23.0	169.8	168.4	168.6	164.2	166.1	167.1	170.8	173.2	183.2	185.2
G24.0	160.9	158.8	159.4	154.9	157.4	158.1	161.6	163.9	173.0	176.4
G25.0	152.6	150.6	151.0	146.9	149.0	150.2	153.8	155.6	164.4	167.0
G26.0	144.3	142.3	143.1	138.7	141.0	142.2	146.1	147.2	156.0	158.2
G27.0	135.3	133.7	134.1	130.3	132.3	133.6	137.2	138.4	147.0	149.5
G28.0	127.5	126.1	126.7	122.8	124.7	125.9	129.4	130.8	139.0	141.4
G29.0	119.4	117.7	118.8	114.6	117.1	117.5	121.7	122.4	130.8	133.1
G30.0	111.6	110.7	111.2	107.8	109.4	110.5	113.8	115.2	122.2	124.3
G31.0	104.7	103.6	104.5	100.8	102.7	103.3	106.6	108.0	115.0	117.0
G32.0	97.1	96.5	97.2	93.9	95.2	95.8	98.9	100.4	107.3	109.2
G33.0	90.9	90.0	91.0	87.7	89.0	89.6	92.2	93.9	100.4	102.1
G34.0	84.6	84.0	84.7	81.8	82.8	83.6	86.1	87.7	93.8	95.2
G35.0	78.3	77.5	78.5	75.3	76.7	77.3	79.8	81.2	87.1	88.8
G36.0	72.8	72.1	72.9	70.0	71.4	71.6	74.1	75.4	81.0	82.5

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	67.4	66.5	67.8	64.6	66.1	66.2	68.9	69.6	74.9	76.9
G38.0	62.2	61.5	62.3	59.8	60.9	61.3	63.3	64.4	69.4	70.8
G39.0	57.5	57.2	57.8	55.4	56.3	56.8	58.6	59.8	64.5	65.8
G40.0	52.8	52.5	53.1	50.9	51.7	52.1	53.9	54.8	59.4	60.5
G41.0	48.8	48.5	48.8	46.9	47.8	48.1	49.6	50.6	54.8	56.0
G42.0	45.0	44.8	45.1	43.2	43.9	44.2	45.8	46.5	50.6	51.6
G43.0	41.1	40.8	41.2	39.3	40.2	40.5	41.9	42.5	46.1	47.0
G44.0	37.8	37.6	37.9	36.2	37.0	37.3	38.5	39.2	42.5	43.4
G45.0	34.9	34.4	34.9	33.1	34.0	34.1	35.4	35.8	38.8	39.8
G46.0	31.9	31.7	32.0	30.5	31.1	31.3	32.4	32.9	35.5	36.3
G47.0	29.3	29.2	29.4	28.1	28.6	28.9	29.8	30.2	32.7	33.4
G48.0	26.9	26.7	26.9	25.8	26.3	26.5	27.2	27.6	29.8	30.5
G49.0	24.8	24.6	24.9	23.8	24.3	24.4	25.2	25.4	27.5	28.1
G50.0	23.0	22.8	22.9	22.0	22.5	22.5	23.1	23.5	25.2	25.9
G51.0	21.0	21.0	21.1	20.3	20.6	20.6	21.2	21.5	23.1	23.6
G52.0	19.5	19.4	19.5	18.7	19.1	19.1	19.6	19.9	21.3	21.8
G53.0	18.1	17.8	18.0	17.2	17.7	17.5	18.1	18.2	19.5	20.1
G54.0	16.6	16.5	16.6	16.0	16.3	16.3	16.6	16.9	18.0	18.4
G55.0	15.4	15.3	15.4	14.9	15.1	15.1	15.4	15.6	16.6	17.0
G56.0	14.2	14.1	14.2	13.7	13.9	13.9	14.2	14.3	15.3	15.6
G57.0	13.2	13.2	13.2	12.7	12.9	12.9	13.2	13.3	14.1	14.4
G58.0	12.3	12.3	12.3	11.9	12.0	12.0	12.2	12.3	13.1	13.4
G59.0	11.4	11.3	11.4	11.0	11.1	11.1	11.3	11.4	12.1	12.3
G60.0	10.6	10.6	10.6	10.2	10.3	10.3	10.5	10.6	11.2	11.4
G61.0	9.8	9.8	9.8	9.4	9.5	9.5	9.7	9.7	10.3	10.6
G62.0	9.1	9.1	9.1	8.8	8.9	8.9	9.0	9.1	9.6	9.7
G63.0	8.5	8.5	8.5	8.2	8.3	8.3	8.4	8.4	8.9	9.1
G64.0	7.9	7.8	7.8	7.5	7.6	7.6	7.8	7.8	8.2	8.3
G65.0	7.3	7.3	7.3	7.0	7.1	7.1	7.2	7.2	7.6	7.7
G66.0	6.8	6.7	6.8	6.4	6.6	6.5	6.7	6.7	7.1	7.1
G67.0	6.3	6.2	6.2	5.9	6.0	6.0	6.1	6.2	6.5	6.6
G68.0	5.8	5.8	5.8	5.5	5.6	5.5	5.7	5.7	6.0	6.1
G69.0	5.3	5.2	5.3	5.0	5.1	5.1	5.2	5.2	5.4	5.6
G70.0	4.8	4.8	4.8	4.6	4.6	4.6	4.7	4.7	5.0	5.0
G71.0	4.4	4.4	4.4	4.1	4.2	4.2	4.3	4.3	4.6	4.6
G72.0	3.9	3.9	3.9	3.7	3.8	3.8	3.8	3.9	4.1	4.1
G73.0	3.5	3.5	3.6	3.3	3.4	3.3	3.5	3.5	3.7	3.7

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	299.3	298.6	298.0	297.5	297.1	296.6	296.4	295.8	295.8	295.3
G1.0	298.9	298.6	298.1	297.7	297.4	297.2	297.0	296.7	296.5	296.3
G2.0	298.4	298.1	297.6	297.3	297.0	297.0	296.9	296.8	296.7	296.5
G3.0	297.1	297.0	296.7	296.5	296.5	296.7	296.6	296.7	296.6	296.4
G4.0	295.6	295.5	295.2	295.3	295.4	295.9	296.0	296.0	296.0	295.9
G5.0	293.8	293.9	293.5	294.2	294.2	294.7	295.0	295.4	295.4	295.6
G6.0	291.1	291.6	291.5	292.0	292.3	292.9	293.5	294.0	294.0	294.1
G7.0	288.2	288.9	289.0	289.8	289.8	290.9	291.4	292.0	292.2	292.2
G8.0	284.5	285.8	285.9	287.0	286.9	287.8	288.2	289.3	289.3	289.8
G9.0	280.4	282.0	282.4	283.3	283.2	284.1	284.9	286.0	286.2	286.5
G10.0	276.0	277.7	278.1	279.2	279.3	280.4	281.1	282.0	282.2	283.0
G11.0	271.0	272.5	273.2	274.4	274.6	275.8	276.7	277.5	277.9	278.6
G12.0	266.5	268.1	268.5	269.6	270.0	271.5	272.1	273.3	273.6	274.0
G13.0	261.2	263.3	263.4	264.4	265.2	266.7	267.3	268.4	269.0	269.4
G14.0	255.2	257.1	257.4	258.6	259.6	261.0	261.4	263.1	263.2	264.0
G15.0	249.0	251.0	251.5	252.7	253.5	255.1	255.5	257.4	257.6	258.3
G16.0	242.3	244.9	244.8	247.0	247.1	249.3	249.1	251.4	251.4	252.7
G17.0	235.8	237.7	237.9	240.0	240.9	242.5	242.9	244.8	245.4	245.9
G18.0	228.7	230.7	231.2	233.2	233.9	235.7	236.1	237.9	238.3	239.6
G19.0	220.9	223.1	223.4	225.6	226.1	228.0	228.6	230.3	230.8	232.3
G20.0	213.1	215.6	215.5	218.1	218.7	220.6	221.4	223.0	223.0	224.5
G21.0	205.0	207.6	207.7	210.2	210.4	212.9	213.0	214.7	215.0	216.5
G22.0	195.6	197.7	198.5	200.4	201.5	203.4	203.8	205.4	205.6	207.4
G23.0	186.9	189.0	189.4	191.5	192.5	194.5	195.1	196.6	196.2	197.8
G24.0	177.0	180.2	180.0	182.9	182.1	185.0	185.0	187.3	186.4	188.6
G25.0	168.5	171.1	171.6	173.5	173.1	175.2	176.2	177.9	177.8	178.7
G26.0	160.0	162.9	162.6	164.4	164.3	166.2	166.9	169.2	168.9	169.5
G27.0	150.7	153.3	153.3	154.9	154.5	157.0	157.7	160.0	159.7	160.2
G28.0	142.4	144.8	145.0	146.4	146.1	148.6	149.5	151.8	151.2	151.2
G29.0	133.9	136.6	136.6	137.8	137.6	140.1	141.0	143.0	142.3	142.9
G30.0	125.0	127.1	127.7	128.8	128.7	131.4	131.9	133.4	133.1	133.6
G31.0	117.6	119.5	119.7	121.3	121.2	123.3	124.2	125.5	125.1	125.7
G32.0	109.4	111.5	111.8	113.5	113.2	115.2	115.5	117.2	116.2	116.9
G33.0	102.4	104.2	104.9	106.1	106.0	107.8	108.2	109.5	108.8	109.6
G34.0	95.7	97.5	98.1	99.4	99.3	101.0	101.2	102.5	101.7	102.2
G35.0	88.9	90.5	90.8	92.0	92.4	93.9	93.9	94.8	94.4	94.8
G36.0	82.8	84.1	84.7	85.8	85.9	87.2	87.2	88.4	87.7	88.3

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	76.6	78.2	78.0	79.5	79.4	81.2	80.7	81.9	80.7	81.8
G38.0	71.0	72.0	72.5	73.4	73.7	74.7	74.7	75.6	75.1	75.6
G39.0	65.9	67.1	67.5	68.1	68.5	69.4	69.4	70.2	69.8	70.2
G40.0	60.7	61.6	61.9	62.8	63.1	63.9	63.8	64.6	64.2	64.7
G41.0	55.9	57.0	57.2	57.9	58.1	58.9	58.8	59.8	59.2	59.6
G42.0	51.6	52.5	52.8	53.5	53.6	54.5	54.4	55.1	54.7	55.1
G43.0	47.2	48.2	48.1	48.7	48.9	49.7	49.5	50.5	49.9	50.3
G44.0	43.3	44.2	44.3	44.8	44.8	45.8	45.6	46.3	46.0	46.3
G45.0	39.6	40.7	40.3	41.3	40.8	42.1	41.5	42.6	41.9	42.5
G46.0	36.3	37.1	37.1	37.5	37.5	38.3	38.2	38.7	38.5	38.8
G47.0	33.4	34.1	34.1	34.5	34.4	35.2	35.1	35.6	35.5	35.7
G48.0	30.6	31.1	31.1	31.5	31.4	32.1	31.9	32.5	32.3	32.6
G49.0	28.1	28.6	28.6	28.8	28.9	29.4	29.4	29.8	29.7	29.9
G50.0	25.8	26.4	26.3	26.6	26.5	27.1	26.9	27.5	27.3	27.5
G51.0	23.6	24.0	24.0	24.2	24.3	24.7	24.6	25.0	25.0	25.1
G52.0	21.7	22.2	22.1	22.4	22.4	22.8	22.7	23.0	23.0	23.1
G53.0	19.9	20.4	20.2	20.6	20.5	21.0	20.8	21.2	21.0	21.4
G54.0	18.4	18.7	18.6	18.8	18.9	19.2	19.1	19.4	19.4	19.5
G55.0	17.0	17.3	17.2	17.4	17.4	17.8	17.7	17.9	17.8	18.0
G56.0	15.5	15.8	15.7	16.0	15.9	16.3	16.2	16.4	16.4	16.5
G57.0	14.3	14.6	14.6	14.8	14.8	15.0	15.0	15.2	15.1	15.3
G58.0	13.3	13.6	13.5	13.7	13.7	13.9	13.8	14.1	14.0	14.1
G59.0	12.3	12.4	12.4	12.6	12.6	12.8	12.7	12.9	12.9	13.0
G60.0	11.4	11.5	11.5	11.6	11.7	11.9	11.8	11.9	12.0	12.0
G61.0	10.5	10.7	10.6	10.8	10.8	11.0	10.9	11.1	11.1	11.2
G62.0	9.7	9.9	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3
G63.0	9.0	9.2	9.1	9.3	9.3	9.4	9.4	9.5	9.5	9.6
G64.0	8.3	8.4	8.4	8.5	8.6	8.6	8.6	8.7	8.7	8.8
G65.0	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2
G66.0	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6
G67.0	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.9	6.9	6.9
G68.0	6.0	6.1	6.1	6.2	6.2	6.3	6.2	6.4	6.3	6.4
G69.0	5.5	5.6	5.6	5.7	5.7	5.8	5.7	5.8	5.8	5.9
G70.0	5.0	5.1	5.1	5.2	5.2	5.3	5.2	5.3	5.3	5.4
G71.0	4.6	4.7	4.6	4.7	4.8	4.8	4.8	4.9	4.9	4.9
G72.0	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4
G73.0	3.7	3.8	3.8	3.9	3.9	3.9	3.9	4.0	3.9	4.0

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	295.2	293.9	294.0	293.5	293.6	293.1	300.9			
G1.0	296.1	295.4	295.2	294.7	294.4	294.0	301.0			
G2.0	296.3	295.8	295.4	294.9	294.3	293.9	300.5			
G3.0	296.0	295.8	295.4	294.8	294.2	293.4	299.9			
G4.0	295.6	295.5	295.2	294.6	293.8	292.9	298.8			
G5.0	295.2	295.1	294.6	293.9	292.9	291.8	297.3			
G6.0	293.7	294.1	293.4	292.4	291.0	289.7	294.5			
G7.0	291.7	292.5	291.4	290.5	288.7	287.5	291.9			
G8.0	288.7	290.3	288.8	288.0	285.9	285.0	288.6			
G9.0	286.0	287.0	285.8	284.9	283.1	281.6	284.6			
G10.0	282.7	283.7	282.5	281.4	279.3	277.9	280.5			
G11.0	278.1	279.7	278.1	277.4	275.1	273.3	275.4			
G12.0	273.7	275.4	274.0	273.0	270.9	268.9	270.6			
G13.0	268.9	270.9	269.5	268.4	266.1	264.0	265.0			
G14.0	263.5	265.4	263.9	262.9	260.5	258.3	259.1			
G15.0	257.9	259.8	258.3	257.4	254.8	252.8	252.8			
G16.0	251.7	254.1	251.8	251.5	248.5	247.1	245.9			
G17.0	245.8	247.8	245.7	244.3	242.4	239.9	239.2			
G18.0	239.0	241.5	238.9	238.1	235.5	233.4	231.5			
G19.0	231.4	233.7	231.3	230.5	227.7	225.5	223.3			
G20.0	224.1	226.5	223.5	222.8	220.1	217.9	214.8			
G21.0	216.0	218.8	215.8	214.8	211.7	209.4	206.5			
G22.0	206.7	209.6	206.7	205.5	202.5	200.2	196.3			
G23.0	197.4	200.7	197.7	196.6	193.6	191.2	187.1			
G24.0	187.3	191.9	188.0	187.9	184.1	182.4	177.5			
G25.0	178.0	181.6	179.4	178.7	175.4	172.5	168.4			
G26.0	168.6	172.8	170.1	169.8	166.5	163.9	159.9			
G27.0	158.9	163.1	160.8	160.5	157.1	155.0	150.5			
G28.0	150.4	154.0	152.3	151.3	148.7	146.7	141.8			
G29.0	141.5	145.6	143.4	142.9	140.0	138.1	133.8			
G30.0	132.1	136.2	134.1	133.2	130.6	129.0	125.2			
G31.0	124.4	128.1	126.2	125.2	122.9	121.3	117.2			
G32.0	115.7	119.3	117.4	116.4	114.7	112.8	109.0			
G33.0	108.5	112.0	110.0	109.2	107.0	105.5	101.7			
G34.0	101.5	104.5	102.5	102.2	100.1	98.5	94.9			
G35.0	94.2	97.0	95.0	94.4	92.3	91.1	87.8			
G36.0	87.6	90.2	88.5	87.9	86.0	84.7	81.4			

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 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	81.0	83.9	81.4	81.5	79.5	78.5	75.6			
G38.0	75.1	77.5	75.6	75.2	73.8	72.3	69.5			
G39.0	69.8	71.9	70.3	69.9	68.5	67.1	64.6			
G40.0	64.3	66.3	64.5	64.4	63.0	61.8	59.4			
G41.0	59.2	61.2	59.6	59.4	58.2	57.1	54.8			
G42.0	54.7	56.3	55.0	55.0	53.7	52.8	50.6			
G43.0	50.1	51.5	50.4	50.2	49.0	48.3	46.4			
G44.0	45.9	47.6	46.5	46.3	45.2	44.5	42.7			
G45.0	41.8	43.6	42.3	42.7	41.3	41.0	39.2			
G46.0	38.4	39.8	39.0	38.8	37.8	37.3	35.9			
G47.0	35.4	36.7	35.9	35.8	34.8	34.3	32.9			
G48.0	32.2	33.5	32.7	32.8	31.8	31.4	30.1			
G49.0	29.7	30.7	30.1	30.1	29.3	28.8	27.7			
G50.0	27.3	28.2	27.7	27.6	26.9	26.5	25.5			
G51.0	25.0	25.8	25.4	25.3	24.7	24.2	23.4			
G52.0	22.9	23.8	23.3	23.3	22.8	22.3	21.6			
G53.0	21.0	21.9	21.4	21.5	20.8	20.6	19.9			
G54.0	19.3	20.1	19.7	19.7	19.2	18.9	18.3			
G55.0	17.9	18.5	18.2	18.2	17.7	17.4	17.0			
G56.0	16.4	17.0	16.7	16.7	16.2	16.0	15.6			
G57.0	15.2	15.8	15.4	15.5	15.0	14.8	14.4			
G58.0	14.1	14.6	14.3	14.3	13.9	13.8	13.4			
G59.0	13.0	13.5	13.2	13.2	12.9	12.6	12.3			
G60.0	12.0	12.5	12.3	12.2	11.9	11.7	11.5			
G61.0	11.1	11.6	11.3	11.3	11.0	10.9	10.6			
G62.0	10.3	10.7	10.5	10.4	10.2	10.0	9.8			
G63.0	9.5	9.9	9.7	9.7	9.4	9.3	9.1			
G64.0	8.8	9.1	9.0	8.9	8.7	8.6	8.4			
G65.0	8.1	8.5	8.3	8.3	8.1	8.0	7.8			
G66.0	7.6	7.9	7.7	7.7	7.5	7.4	7.2			
G67.0	6.9	7.2	7.1	7.0	6.9	6.7	6.6			
G68.0	6.4	6.7	6.6	6.5	6.3	6.2	6.1			
G69.0	5.9	6.2	6.0	6.0	5.8	5.7	5.6			
G70.0	5.4	5.6	5.5	5.4	5.3	5.2	5.1			
G71.0	4.9	5.2	5.0	5.0	4.8	4.8	4.7			
G72.0	4.4	4.7	4.6	4.5	4.3	4.3	4.2			
G73.0	4.0	4.2	4.1	4.0	3.9	3.9	3.8			

C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

