



Report No.:

Test Time: 2021-04-12 08:29

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: RAD-S-CIS-3.3000.24.-.60

Luminous Length (mm): -53

Luminous Width (mm): -53

Luminous Height (mm): 70

Voltage: 24.0 V

Current: 0.147 A

Power: 3.54 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 324.7 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 324.7 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 92.2, 92.1, 92.4, 92.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 50.0, 50.2, 50.5, 50.1

Luminaire Efficacy Rating (LER): 91.76

Central Intensity: 381.3 cd

Max. Intensity: 381.3 cd

Pos of Max. Intensity: H0 V0

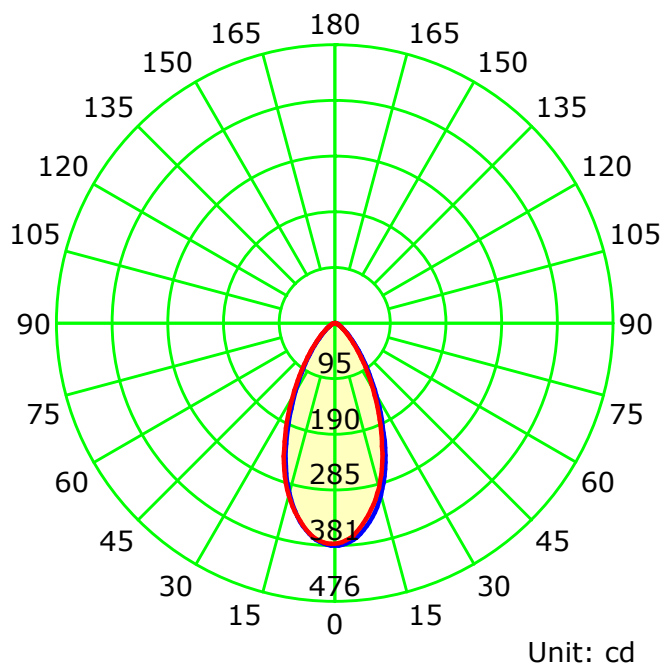
S/MH(C0/C180): 0.78

S/MH(C90/C270): 0.78

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

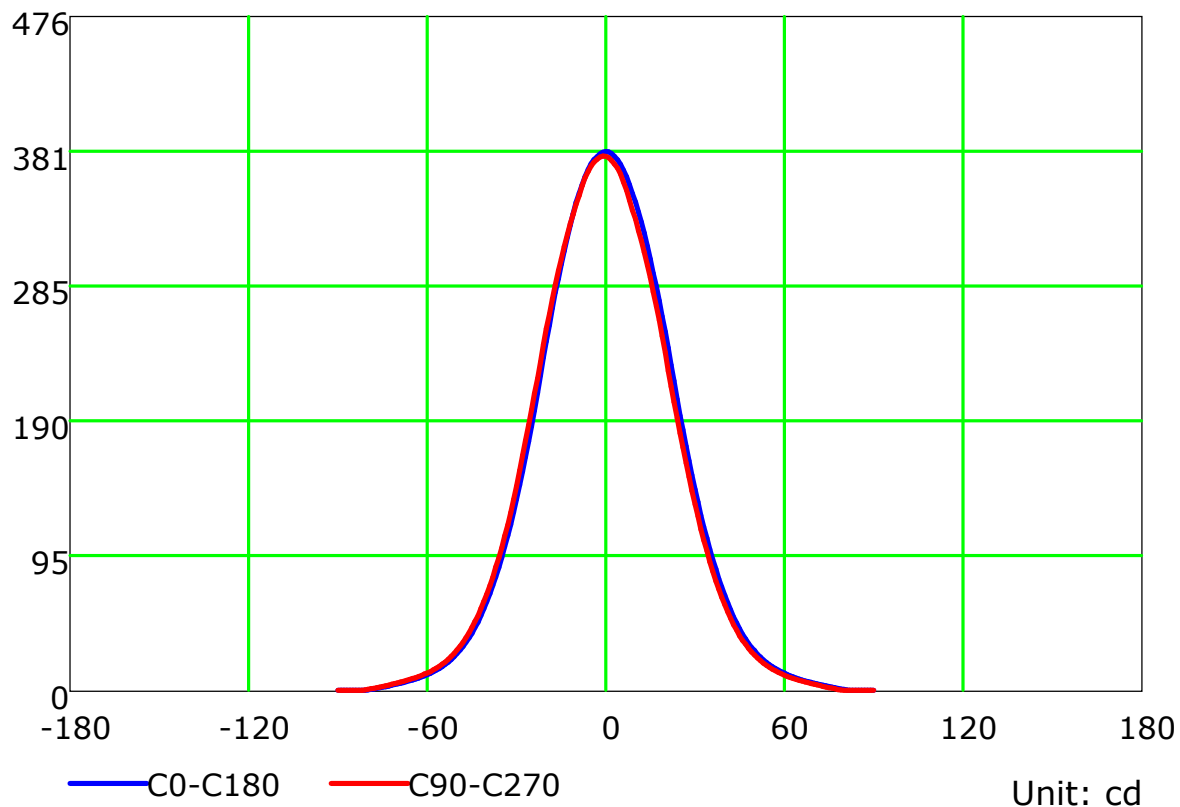
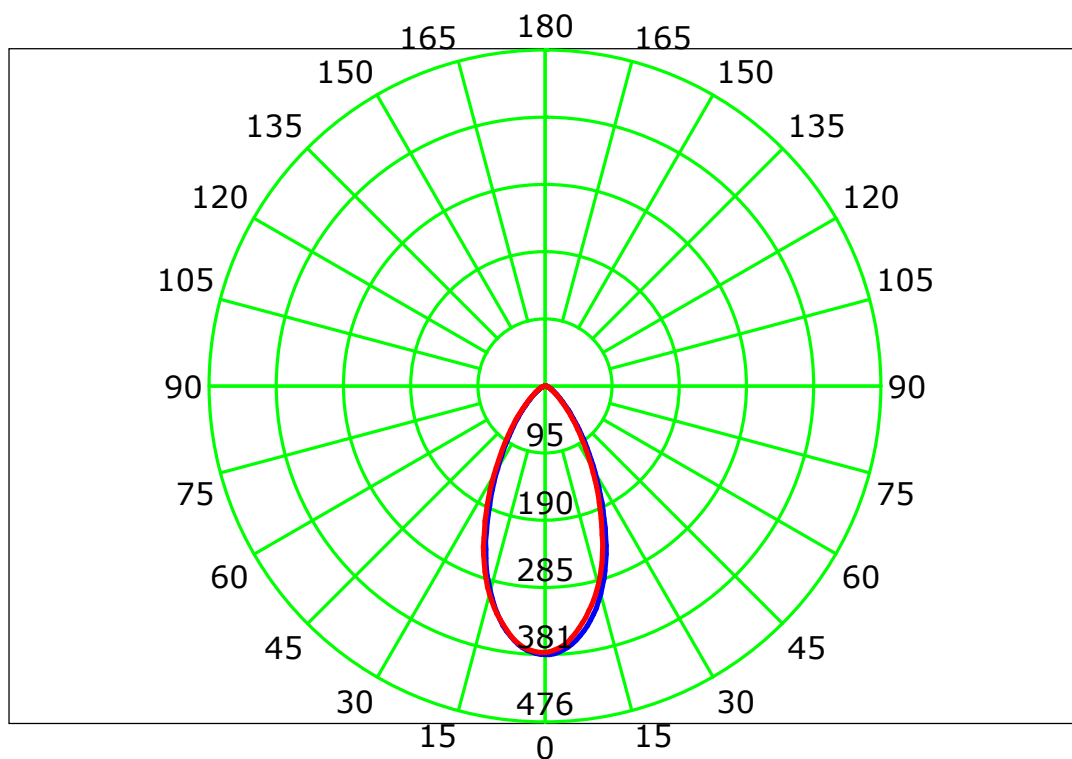
Test Device: LSG-1700B

Distance: 9.600 m

Humidity:

Inspector:

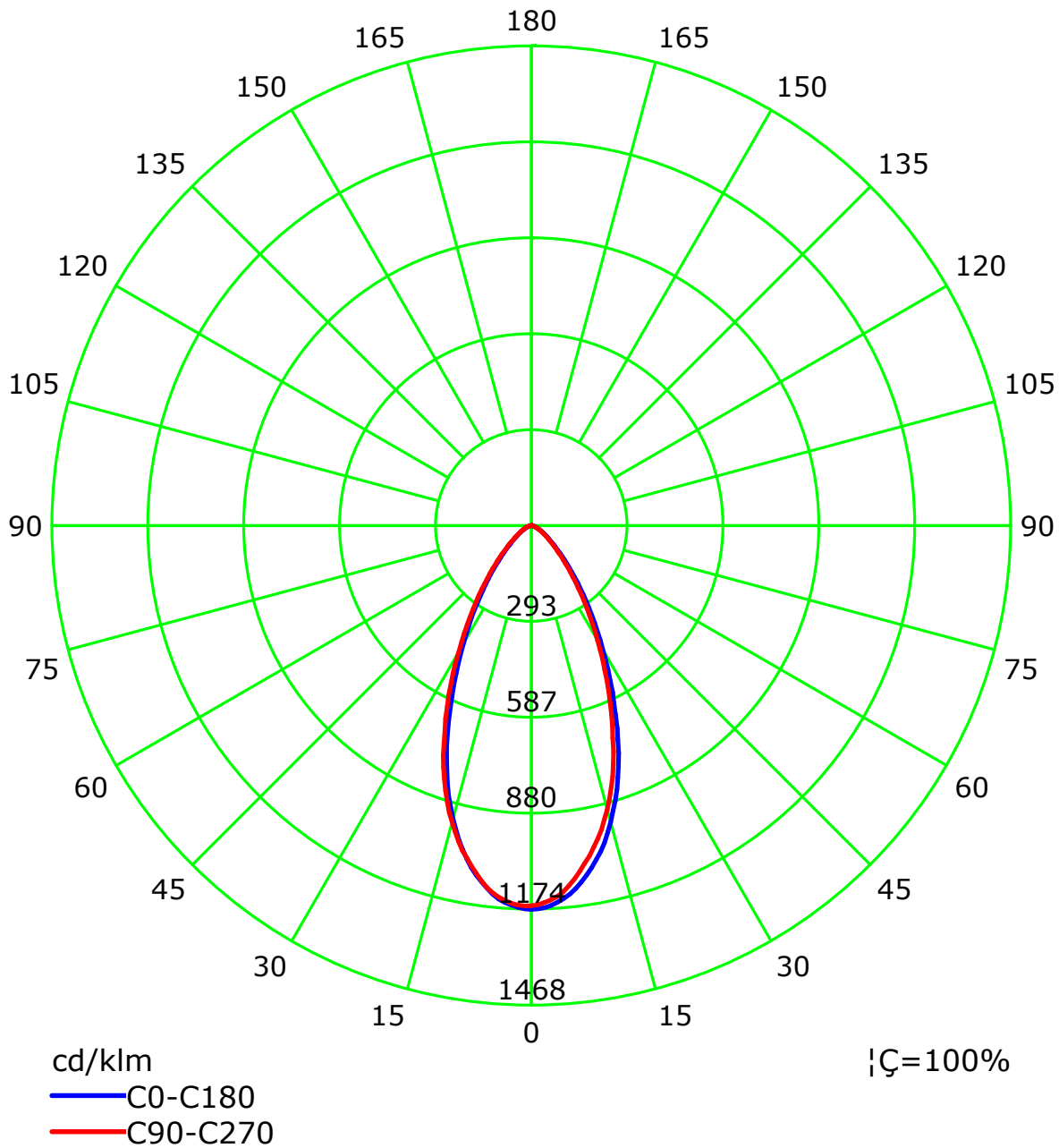
Luminous Intensity Distribution Curve



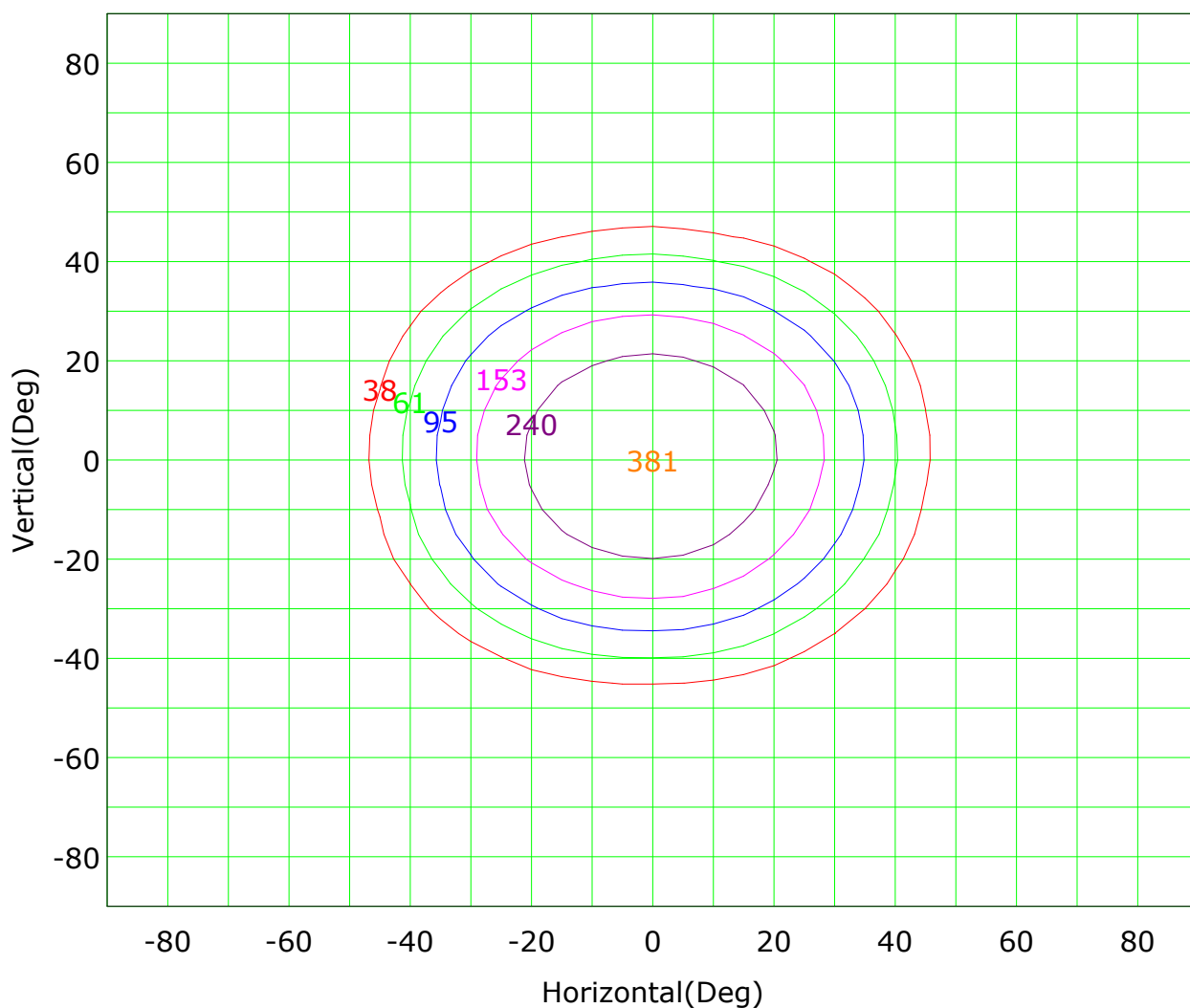
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

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

Luminous Intensity Distribution Curve(cd/klm)



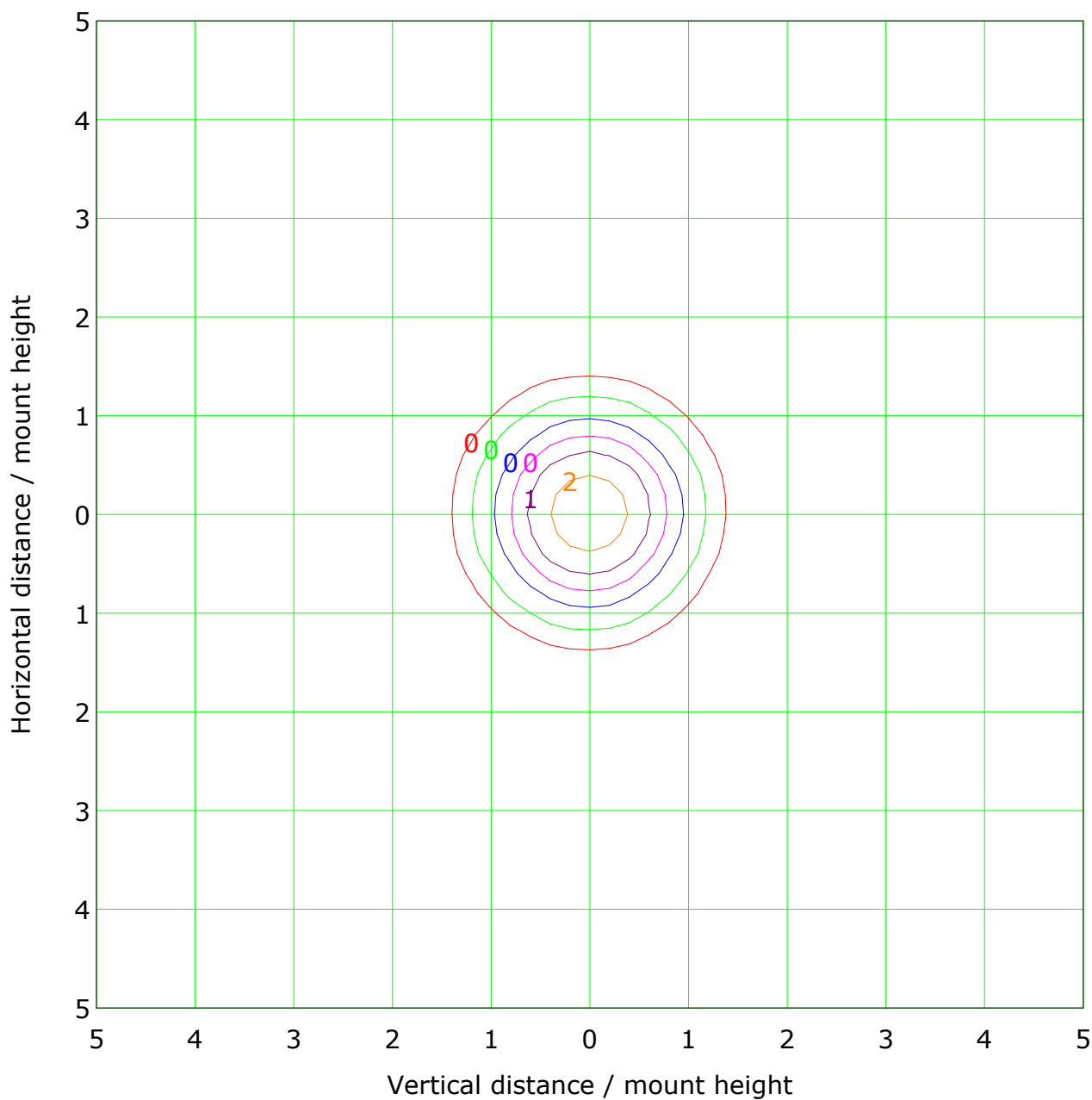
Isocandela (rectangle)



Imax (100%): 381 cd

— (10%):	38 cd	— (16%):	61 cd
— (25%):	95 cd	— (40%):	153 cd
— (63%):	240 cd	— (100%):	381 cd

IsoLux Plot



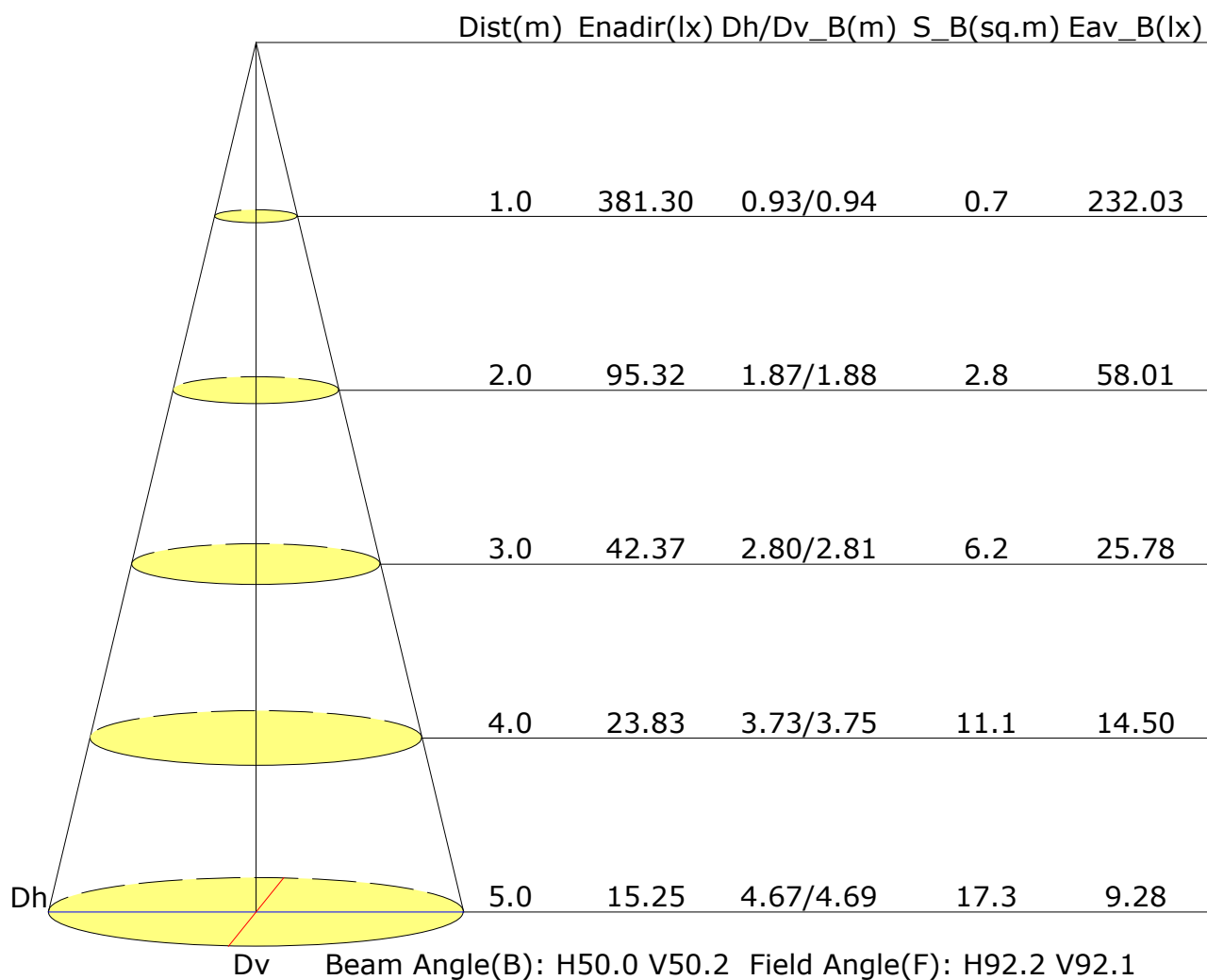
Mounting Height: 10.0m Max Lux(100%): 3.8 lx

— (1%): 0.0 lx	— (2%): 0.1 lx
— (5%): 0.2 lx	— (10%): 0.4 lx
— (20%): 0.8 lx	— (50%): 1.9 lx
— (100%): 3.8 lx	

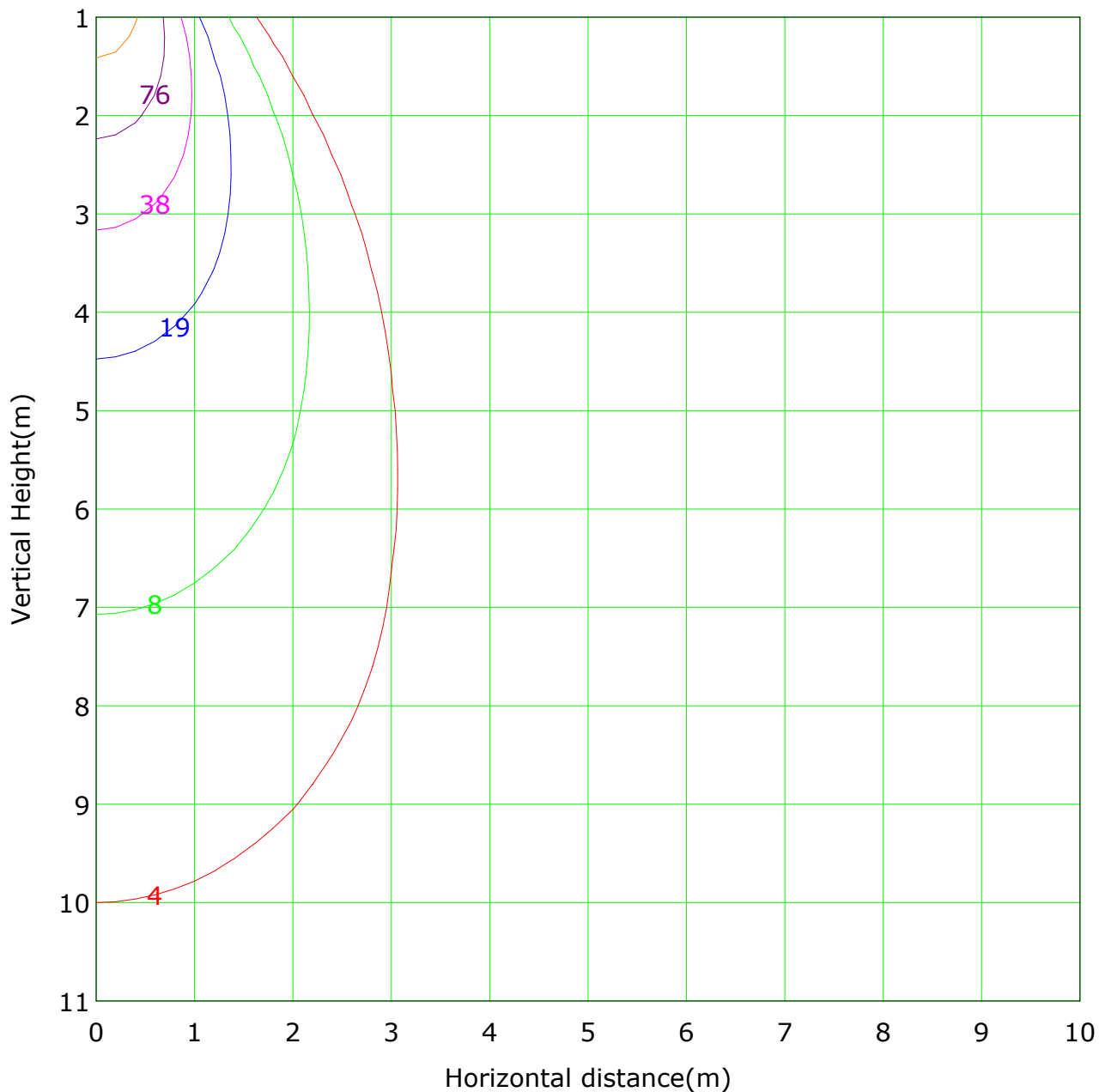
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

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

Illuminance at a Distance



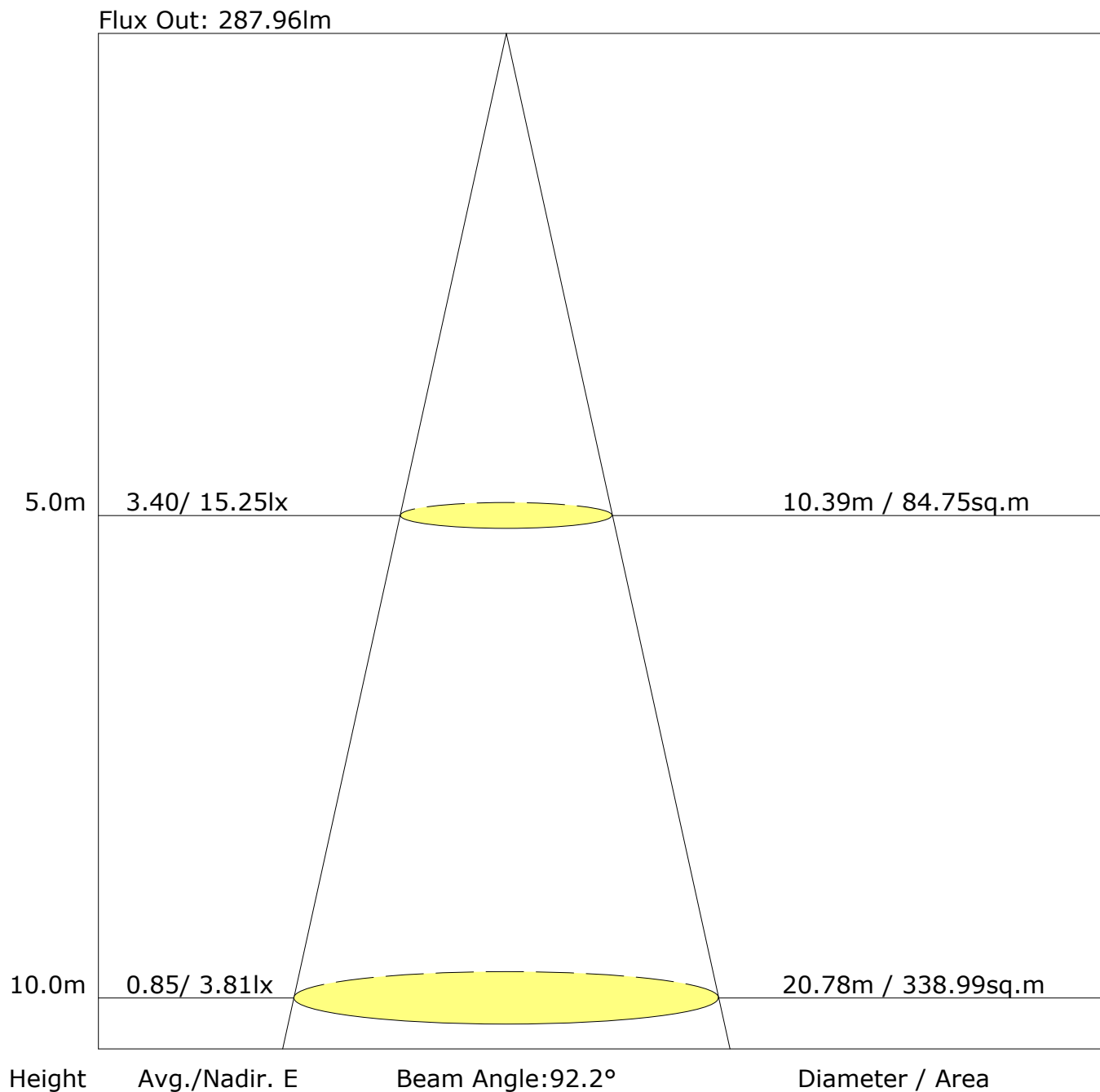
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 381.3 lx

— (1%): 3.8 lx	— (2%): 7.6 lx
— (5%): 19.1 lx	— (10%): 38.1 lx
— (20%): 76.3 lx	— (50%): 190.6 lx
— (100%): 381.3 lx	

The Average Illuminance Effective Figure

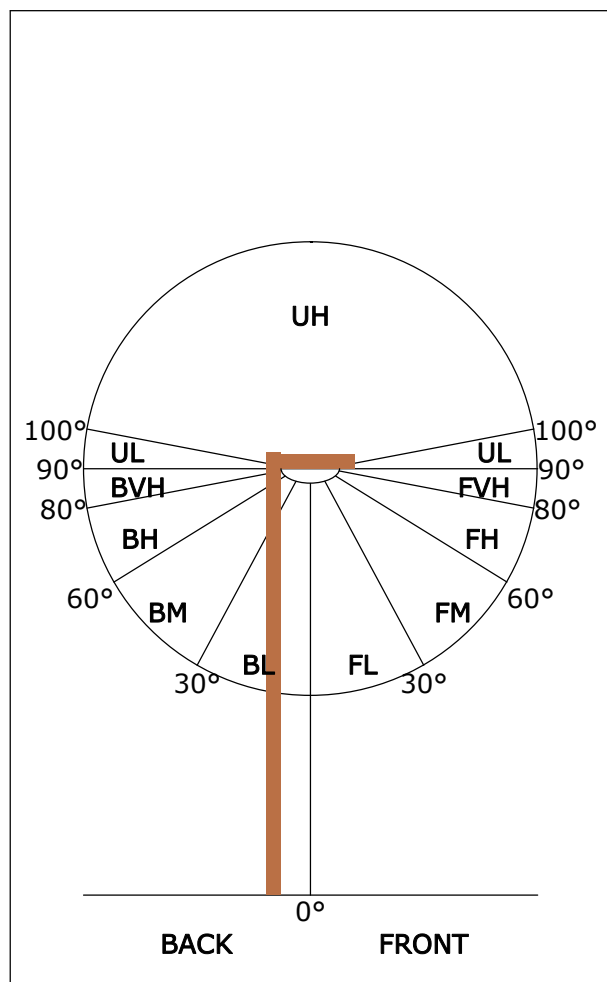


UGR Table

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.\$/4.7					-1.\$/4.7				
S=1.5H	-1.\$/7.4					-1.\$/7.4				
S=2.0H	-1.\$/9.4					-1.\$/9.3				

Calculate in accordance with CIE Pub.117. The table is revised with 325lm ($8\log(F/F_0) = -3.9$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



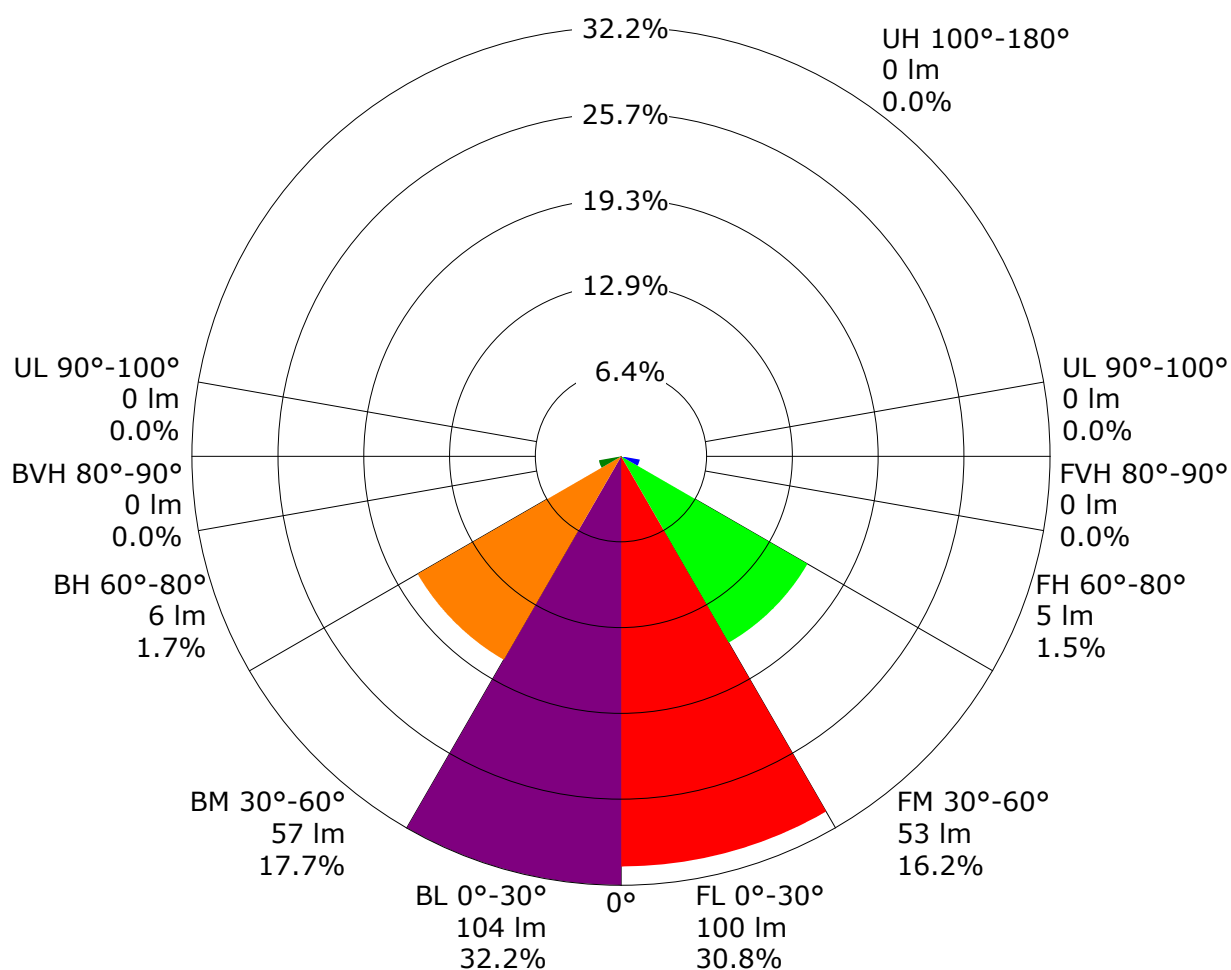
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	157	48.5
FL (0°-30°)	100	30.8
FM (30°-60°)	53	16.2
FH (60°-80°)	5	1.5
FVH (80°-90°)	0	0.0
BACK LIGHT	167	51.5
BL (0°-30°)	104	32.2
BM (30°-60°)	57	17.7
BH (60°-80°)	6	1.7
BVH (80°-90°)	0	0.0
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	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	377.9	0.4	0.4	0.11	0.11
1.0-2.0	377.2	1.1	1.4	0.33	0.44
2.0-3.0	375.5	1.8	3.2	0.55	1.00
3.0-4.0	373.2	2.5	5.7	0.77	1.77
4.0-5.0	370.4	3.2	8.9	0.98	2.75
5.0-6.0	366.5	3.9	12.8	1.19	3.94
6.0-7.0	361.8	4.5	17.3	1.38	5.32
7.0-8.0	356.3	5.1	22.4	1.57	6.89
8.0-9.0	350.2	5.7	28.0	1.75	8.64
9.0-10.0	343.8	6.2	34.3	1.92	10.56
10.0-11.0	336.7	6.7	41.0	2.07	12.63
11.0-12.0	329.2	7.2	48.2	2.22	14.85
12.0-13.0	321.6	7.6	55.8	2.35	17.20
13.0-14.0	313.1	8.0	63.8	2.47	19.67
14.0-15.0	304.2	8.4	72.2	2.57	22.24
15.0-16.0	294.9	8.6	80.8	2.66	24.90
16.0-17.0	285.3	8.9	89.7	2.74	27.64
17.0-18.0	275.5	9.1	98.8	2.80	30.44
18.0-19.0	264.9	9.2	108.0	2.84	33.27
19.0-20.0	253.8	9.3	117.3	2.86	36.14
20.0-21.0	242.6	9.3	126.6	2.87	39.01
21.0-22.0	230.8	9.3	135.9	2.86	41.86
22.0-23.0	219.0	9.2	145.1	2.83	44.70
23.0-24.0	207.5	9.1	154.2	2.79	47.49
24.0-25.0	196.0	8.9	163.1	2.75	50.23
25.0-26.0	185.1	8.7	171.8	2.69	52.93
26.0-27.0	174.2	8.5	180.3	2.63	55.55
27.0-28.0	163.5	8.3	188.6	2.55	58.10
28.0-29.0	153.5	8.0	196.7	2.47	60.58
29.0-30.0	143.4	7.7	204.4	2.39	62.96
30.0-31.0	133.9	7.5	211.9	2.30	65.26
31.0-32.0	124.8	7.1	219.0	2.20	67.46
32.0-33.0	116.1	6.8	225.8	2.11	69.57
33.0-34.0	108.2	6.6	232.4	2.02	71.58
34.0-35.0	100.4	6.2	238.6	1.92	73.51
35.0-36.0	92.9	5.9	244.6	1.82	75.33

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

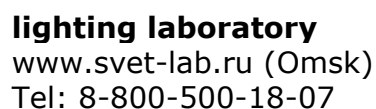
Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	86.0	5.6	250.2	1.73	77.06
37.0-38.0	79.3	5.3	255.5	1.63	78.69
38.0-39.0	73.3	5.0	260.5	1.54	80.23
39.0-40.0	67.5	4.7	265.2	1.45	81.68
40.0-41.0	62.0	4.4	269.6	1.36	83.04
41.0-42.0	57.1	4.1	273.7	1.28	84.31
42.0-43.0	52.2	3.9	277.6	1.19	85.51
43.0-44.0	47.8	3.6	281.2	1.11	86.62
44.0-45.0	43.8	3.4	284.6	1.04	87.65
45.0-46.0	40.0	3.1	287.7	0.96	88.62
46.0-47.0	36.6	2.9	290.6	0.90	89.51
47.0-48.0	33.4	2.7	293.3	0.83	90.34
48.0-49.0	30.6	2.5	295.8	0.77	91.12
49.0-50.0	28.1	2.3	298.2	0.72	91.84
50.0-51.0	25.7	2.2	300.3	0.67	92.51
51.0-52.0	23.6	2.0	302.4	0.62	93.13
52.0-53.0	21.6	1.9	304.2	0.58	93.71
53.0-54.0	19.8	1.7	306.0	0.54	94.25
54.0-55.0	18.2	1.6	307.6	0.50	94.75
55.0-56.0	16.8	1.5	309.1	0.47	95.22
56.0-57.0	15.4	1.4	310.5	0.43	95.66
57.0-58.0	14.2	1.3	311.9	0.41	96.06
58.0-59.0	13.1	1.2	313.1	0.38	96.44
59.0-60.0	12.1	1.1	314.2	0.35	96.79
60.0-61.0	11.1	1.1	315.3	0.33	97.12
61.0-62.0	10.3	1.0	316.3	0.30	97.42
62.0-63.0	9.5	0.9	317.2	0.28	97.71
63.0-64.0	8.7	0.9	318.1	0.26	97.97
64.0-65.0	8.0	0.8	318.9	0.24	98.22
65.0-66.0	7.4	0.7	319.6	0.23	98.44
66.0-67.0	6.8	0.7	320.3	0.21	98.65
67.0-68.0	6.2	0.6	320.9	0.19	98.84
68.0-69.0	5.6	0.6	321.5	0.18	99.02
69.0-70.0	5.0	0.5	322.0	0.16	99.18
70.0-71.0	4.6	0.5	322.5	0.14	99.32
71.0-72.0	4.1	0.4	322.9	0.13	99.45

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:



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

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	381.3	380.6	380.3	379.6	379.3	378.9	378.6	378.4	378.1	377.8
G1.0	381.0	380.2	379.8	379.0	378.7	378.2	377.9	377.6	377.2	376.9
G2.0	379.8	379.1	378.6	377.9	377.4	376.5	376.2	375.6	375.4	375.0
G3.0	377.9	377.0	376.5	375.5	375.0	374.2	373.7	372.9	372.8	372.4
G4.0	375.2	374.4	373.9	372.7	372.6	371.5	371.1	370.4	370.1	369.5
G5.0	372.1	371.2	370.9	369.5	369.1	368.4	367.8	366.7	366.3	365.4
G6.0	368.2	366.9	366.3	365.0	365.0	363.7	363.4	361.9	361.1	359.6
G7.0	363.3	361.9	361.8	360.3	360.5	358.9	358.1	356.2	355.2	353.7
G8.0	357.8	355.9	356.2	354.6	355.1	352.7	352.3	349.6	348.9	346.8
G9.0	351.6	350.5	350.1	348.5	348.6	346.4	345.6	343.1	341.6	339.8
G10.0	345.4	344.2	343.7	342.2	341.6	339.5	338.7	336.4	335.0	333.3
G11.0	338.3	336.5	336.0	334.2	333.8	331.4	331.0	328.2	326.9	325.4
G12.0	331.3	329.2	328.7	326.1	326.1	323.7	323.5	320.8	320.0	318.2
G13.0	323.7	321.6	320.9	318.4	318.1	316.0	315.8	312.7	312.4	310.0
G14.0	314.1	312.1	311.7	309.3	308.8	306.9	306.0	302.9	303.0	300.9
G15.0	305.2	303.1	302.8	300.6	300.1	297.6	297.5	294.1	293.8	292.1
G16.0	295.1	293.1	292.1	290.3	289.7	287.1	287.1	284.4	283.9	282.0
G17.0	285.9	283.8	283.2	280.6	280.6	277.6	277.3	274.1	274.0	271.9
G18.0	275.7	273.8	273.6	270.8	271.0	267.3	267.1	264.3	264.2	262.1
G19.0	264.7	262.4	262.6	259.7	259.5	256.1	256.0	252.4	252.4	250.7
G20.0	253.7	251.3	251.6	249.1	248.3	245.4	245.1	241.5	241.0	239.0
G21.0	242.4	238.7	240.0	236.2	237.1	232.8	233.9	229.0	229.0	226.0
G22.0	230.1	227.4	227.8	224.5	224.8	221.5	221.3	217.8	216.7	215.0
G23.0	219.0	215.7	216.0	213.7	213.5	209.9	209.5	206.0	205.9	204.1
G24.0	205.9	203.6	204.4	202.0	201.7	197.8	197.1	194.2	194.0	192.7
G25.0	194.4	192.0	193.1	191.1	191.1	186.7	186.0	183.3	183.6	181.9
G26.0	184.4	181.4	182.8	181.0	180.5	176.4	175.7	173.2	172.9	171.9
G27.0	172.6	170.2	171.7	169.8	169.6	165.4	164.3	162.2	162.3	161.0
G28.0	162.5	159.7	161.1	159.9	159.4	155.4	154.6	151.9	152.9	151.1
G29.0	152.3	149.4	151.2	148.9	149.9	145.1	144.9	141.9	143.1	141.1
G30.0	142.0	139.9	140.4	139.1	139.3	135.8	135.5	132.8	133.6	131.7
G31.0	133.3	130.9	131.3	129.6	130.5	126.9	126.9	124.6	124.6	123.2
G32.0	123.7	121.8	121.7	120.5	121.1	118.0	117.6	115.6	115.4	114.1
G33.0	115.7	113.4	113.5	111.8	112.6	110.3	110.1	108.1	107.3	106.4
G34.0	107.6	105.6	105.8	104.1	105.0	102.3	102.5	100.8	100.2	98.9
G35.0	99.8	97.6	97.4	95.8	96.5	94.5	94.8	92.8	92.6	90.9
G36.0	92.7	90.6	90.4	89.1	89.7	87.8	88.1	86.2	85.5	84.3

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	85.8	83.5	83.7	81.7	82.8	80.8	81.5	79.4	79.5	77.3
G38.0	79.0	77.2	77.1	75.7	76.2	74.9	75.1	73.4	72.7	71.7
G39.0	73.3	71.2	71.1	69.9	70.3	69.2	69.2	67.9	67.3	66.0
G40.0	67.1	65.4	65.3	64.3	64.4	63.5	63.5	62.0	61.5	60.5
G41.0	62.0	60.2	60.1	59.1	59.5	58.3	58.5	57.2	56.6	55.7
G42.0	56.9	55.4	55.4	54.4	54.7	53.7	53.6	52.3	52.1	51.0
G43.0	52.0	50.5	50.2	49.7	49.8	48.9	48.9	47.6	47.5	46.5
G44.0	47.7	46.4	46.2	45.5	45.8	44.7	45.0	43.7	43.5	42.7
G45.0	43.6	42.1	42.2	41.5	41.9	40.7	41.1	39.6	39.8	38.7
G46.0	39.7	38.7	38.3	38.1	38.1	37.3	37.3	36.3	36.4	35.5
G47.0	36.4	35.6	35.0	34.8	35.0	34.2	34.3	33.3	33.3	32.7
G48.0	33.2	32.3	32.0	31.8	31.8	31.1	31.2	30.4	30.5	29.7
G49.0	30.5	29.7	29.5	29.1	29.2	28.6	28.6	27.9	27.9	27.3
G50.0	28.1	27.3	27.1	26.7	27.0	26.2	26.4	25.6	25.7	25.1
G51.0	25.6	24.9	24.7	24.3	24.4	23.9	24.0	23.5	23.5	22.9
G52.0	23.6	23.0	22.8	22.5	22.5	22.0	22.1	21.6	21.6	21.2
G53.0	21.6	21.2	21.0	20.5	20.7	20.0	20.3	19.7	19.9	19.4
G54.0	19.8	19.4	19.2	18.9	18.9	18.5	18.6	18.1	18.2	17.9
G55.0	18.3	17.9	17.7	17.4	17.4	17.1	17.1	16.7	16.8	16.4
G56.0	16.8	16.4	16.3	15.9	15.9	15.7	15.7	15.4	15.4	15.0
G57.0	15.5	15.2	15.0	14.7	14.7	14.4	14.5	14.1	14.3	13.9
G58.0	14.4	14.1	13.9	13.6	13.6	13.3	13.4	13.1	13.2	12.8
G59.0	13.2	12.9	12.7	12.5	12.4	12.2	12.3	11.9	12.1	11.8
G60.0	12.2	12.0	11.8	11.5	11.5	11.3	11.3	11.0	11.2	10.9
G61.0	11.3	10.9	10.8	10.6	10.6	10.4	10.4	10.2	10.2	9.9
G62.0	10.4	10.1	10.0	9.7	9.7	9.5	9.6	9.4	9.4	9.2
G63.0	9.6	9.4	9.3	9.0	9.0	8.8	8.8	8.6	8.7	8.4
G64.0	8.8	8.7	8.5	8.2	8.2	8.1	8.1	7.9	8.0	7.7
G65.0	8.1	8.0	7.8	7.5	7.6	7.4	7.5	7.3	7.3	7.1
G66.0	7.5	7.2	7.2	6.9	7.0	6.8	6.8	6.6	6.7	6.6
G67.0	6.8	6.7	6.6	6.3	6.3	6.2	6.2	6.1	6.1	6.0
G68.0	6.3	5.9	6.0	5.8	5.8	5.6	5.7	5.5	5.5	5.5
G69.0	5.7	5.3	5.5	5.2	5.2	4.9	5.1	4.9	4.9	4.9
G70.0	5.2	4.9	5.0	4.7	4.7	4.5	4.6	4.4	4.5	4.3
G71.0	4.7	4.3	4.5	4.2	4.2	4.0	4.2	4.0	4.0	4.0
G72.0	4.2	3.8	4.0	3.6	3.7	3.5	3.6	3.4	3.5	3.5
G73.0	3.7	3.3	3.5	3.3	3.2	3.1	3.2	3.0	3.0	2.9

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 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	377.7	377.1	377.1	376.6	376.2	376.0	376.1	375.9	381.3	380.6
G1.0	376.6	376.2	376.1	375.9	375.2	375.1	375.4	375.2	380.8	380.5
G2.0	374.8	374.3	374.5	373.8	373.2	373.2	373.4	373.5	379.6	379.4
G3.0	372.2	371.5	371.6	370.5	370.2	370.6	371.4	371.5	377.6	377.4
G4.0	369.1	368.2	368.5	367.7	367.1	367.5	368.7	368.9	375.5	375.3
G5.0	365.0	364.1	364.4	363.4	363.2	363.3	364.9	365.4	372.6	372.8
G6.0	359.5	358.0	358.7	357.8	357.2	358.1	359.8	360.4	368.5	368.6
G7.0	353.6	352.3	353.0	351.7	351.8	352.4	354.5	355.3	363.2	363.7
G8.0	347.6	345.9	346.8	345.2	345.4	345.6	348.1	348.9	357.7	358.4
G9.0	340.4	338.6	339.8	338.8	338.2	339.5	341.4	343.3	351.7	352.1
G10.0	333.6	331.7	332.3	331.3	331.3	332.5	335.0	336.3	345.1	345.6
G11.0	325.7	323.8	324.4	322.6	322.9	324.4	327.0	328.3	337.3	337.5
G12.0	318.3	316.6	316.6	314.4	314.6	316.0	318.8	320.5	329.2	330.1
G13.0	310.0	308.4	308.7	306.0	306.2	307.3	310.6	312.3	320.7	321.9
G14.0	301.0	298.8	299.5	296.8	296.5	297.8	301.2	302.3	310.9	312.7
G15.0	292.3	290.7	291.5	288.1	286.7	288.2	292.0	293.0	301.5	303.3
G16.0	282.7	281.4	281.5	278.2	276.9	278.0	281.0	282.1	291.2	294.1
G17.0	273.3	271.7	272.3	268.7	267.2	268.4	271.2	272.3	281.5	283.9
G18.0	263.4	261.8	261.9	258.5	257.8	257.8	261.0	261.6	270.4	273.0
G19.0	252.1	249.7	250.2	247.5	245.9	246.2	248.7	249.6	258.6	261.4
G20.0	240.1	238.4	239.5	236.1	234.9	234.5	237.3	237.8	246.8	249.8
G21.0	227.9	225.8	228.0	223.7	223.4	222.3	225.8	225.5	235.7	238.5
G22.0	215.8	214.3	215.6	212.0	211.3	211.0	213.6	214.3	222.9	225.2
G23.0	205.0	202.5	203.8	200.6	200.4	200.5	202.5	202.6	210.6	214.0
G24.0	192.9	190.5	191.5	188.2	188.1	188.5	190.9	190.7	198.1	202.4
G25.0	182.7	180.0	180.5	177.6	177.8	178.1	180.0	179.6	186.9	190.2
G26.0	172.2	169.0	170.1	166.8	167.2	167.4	169.9	169.4	176.3	179.5
G27.0	161.2	158.3	159.1	156.0	156.4	156.4	158.4	157.9	165.2	167.7
G28.0	151.0	148.8	148.9	146.6	146.4	146.4	148.7	148.5	154.9	157.5
G29.0	141.8	138.4	139.8	136.3	137.5	136.6	139.3	138.2	145.5	147.2
G30.0	132.2	129.8	129.7	127.8	127.6	127.9	129.1	129.3	135.3	137.1
G31.0	123.4	121.2	121.3	119.1	119.2	119.1	120.7	120.6	126.3	128.0
G32.0	114.8	112.4	112.7	110.7	110.7	110.5	111.6	112.0	117.3	118.9
G33.0	106.8	104.9	105.1	102.9	103.0	102.6	104.0	104.4	109.7	110.9
G34.0	99.4	97.7	97.9	95.9	95.8	95.4	96.4	97.0	101.9	103.6
G35.0	91.7	89.8	90.1	88.2	87.9	88.1	89.1	89.5	94.2	95.8
G36.0	84.7	83.4	83.7	81.4	81.5	81.3	82.6	83.0	87.1	88.6

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	78.3	76.8	77.3	74.7	75.1	74.7	76.2	76.1	80.2	82.1
G38.0	71.7	70.8	71.1	68.8	68.9	68.8	70.0	70.4	74.3	75.5
G39.0	66.3	65.3	65.6	63.6	63.7	63.5	64.4	65.0	68.5	69.8
G40.0	60.7	59.8	59.8	58.0	58.0	57.8	58.9	59.5	62.9	63.8
G41.0	55.6	55.2	55.1	53.4	53.4	53.2	54.3	54.7	57.9	58.8
G42.0	51.2	50.5	50.6	49.0	49.1	49.0	49.9	50.2	53.0	54.0
G43.0	46.7	46.0	45.9	44.6	44.6	44.5	45.4	45.7	48.3	49.3
G44.0	42.7	42.1	42.2	40.9	41.0	40.9	41.7	41.8	44.5	45.1
G45.0	39.2	38.2	38.7	37.3	37.6	37.3	38.2	38.1	40.4	41.4
G46.0	35.5	35.0	35.1	34.0	34.2	34.1	34.8	35.0	37.2	37.7
G47.0	32.6	32.3	32.3	31.3	31.4	31.4	31.9	32.1	34.2	34.6
G48.0	29.8	29.5	29.4	28.6	28.5	28.6	29.1	29.3	31.1	31.6
G49.0	27.4	27.1	27.0	26.2	26.3	26.3	26.7	26.8	28.6	29.0
G50.0	25.1	25.0	24.9	24.1	24.2	24.2	24.5	24.7	26.3	26.8
G51.0	23.0	22.7	22.7	22.0	22.0	22.0	22.4	22.5	24.0	24.4
G52.0	21.1	20.9	20.8	20.2	20.2	20.3	20.6	20.8	21.9	22.5
G53.0	19.5	19.1	19.3	18.5	18.6	18.6	18.9	19.0	20.0	20.6
G54.0	17.8	17.6	17.5	17.0	17.0	17.1	17.3	17.5	18.5	18.9
G55.0	16.3	16.2	16.1	15.7	15.7	15.7	16.0	16.1	16.9	17.5
G56.0	14.9	14.9	14.8	14.3	14.4	14.4	14.6	14.8	15.6	16.0
G57.0	13.8	13.7	13.6	13.3	13.3	13.3	13.5	13.6	14.3	14.7
G58.0	12.8	12.7	12.6	12.2	12.2	12.3	12.5	12.7	13.2	13.7
G59.0	11.7	11.7	11.6	11.2	11.2	11.3	11.5	11.6	12.2	12.5
G60.0	10.8	10.8	10.7	10.3	10.4	10.5	10.6	10.7	11.3	11.5
G61.0	9.9	9.9	9.8	9.4	9.5	9.6	9.7	9.8	10.4	10.6
G62.0	9.1	9.0	9.1	8.7	8.8	8.8	9.0	9.1	9.6	9.8
G63.0	8.4	8.4	8.3	8.0	8.1	8.1	8.2	8.4	8.8	9.1
G64.0	7.7	7.7	7.7	7.3	7.4	7.4	7.5	7.6	8.1	8.3
G65.0	7.0	7.1	7.0	6.7	6.9	6.8	7.0	7.0	7.4	7.7
G66.0	6.4	6.4	6.4	6.1	6.2	6.2	6.5	6.3	6.8	7.0
G67.0	5.8	5.8	5.8	5.5	5.7	5.6	5.8	5.8	6.2	6.4
G68.0	5.3	5.4	5.4	5.1	5.1	5.2	5.3	5.3	5.6	5.8
G69.0	4.8	4.8	4.7	4.5	4.6	4.6	4.7	4.8	5.1	5.2
G70.0	4.3	4.4	4.2	4.0	4.1	4.2	4.3	4.3	4.6	4.7
G71.0	3.8	3.9	3.8	3.6	3.7	3.7	3.7	3.8	4.2	4.2
G72.0	3.3	3.4	3.3	3.1	3.2	3.2	3.2	3.3	3.6	3.7
G73.0	2.8	3.0	2.9	2.6	2.8	2.8	2.8	2.9	3.1	3.2

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	380.3	379.6	379.3	378.9	378.6	378.4	378.1	377.8	377.7	377.1
G1.0	380.1	379.6	379.4	379.0	378.6	378.5	378.1	378.0	377.7	377.3
G2.0	379.1	378.7	378.5	378.4	378.0	377.9	377.5	377.4	377.0	376.7
G3.0	377.2	377.0	376.7	376.9	376.4	376.6	376.0	375.8	375.3	375.0
G4.0	375.2	375.1	374.6	374.7	374.3	374.6	373.8	373.6	372.7	372.5
G5.0	372.2	372.0	371.6	372.0	371.3	371.8	371.4	371.0	370.4	370.3
G6.0	368.0	368.0	367.5	367.6	367.2	367.8	367.2	367.1	366.4	366.2
G7.0	363.1	363.5	363.1	363.2	362.6	363.2	362.5	362.6	361.5	361.4
G8.0	357.2	358.4	357.4	358.2	356.7	357.6	356.2	356.9	355.6	356.1
G9.0	351.4	351.6	351.5	351.7	350.9	351.3	350.1	350.2	349.0	349.8
G10.0	344.7	345.1	344.6	345.3	344.4	345.3	344.4	343.8	342.8	343.2
G11.0	336.6	336.8	337.1	337.5	337.3	337.8	337.0	336.8	335.6	335.8
G12.0	328.8	329.4	329.5	330.8	330.1	331.1	330.0	330.3	328.9	328.6
G13.0	320.9	320.9	321.4	322.7	322.4	323.3	322.3	322.5	321.4	321.2
G14.0	311.4	311.8	311.9	314.0	313.3	314.7	313.7	314.0	312.9	313.1
G15.0	302.5	303.4	303.3	305.6	304.8	305.9	305.0	305.2	304.8	305.1
G16.0	292.1	294.0	293.5	296.2	295.2	296.9	295.3	296.9	295.0	296.7
G17.0	282.9	283.6	284.1	285.7	286.3	286.7	285.8	286.8	286.0	286.8
G18.0	272.5	273.8	274.5	275.6	276.0	276.8	276.2	276.9	276.3	278.0
G19.0	261.4	262.8	263.5	264.7	264.6	265.8	264.8	266.1	265.8	267.7
G20.0	249.8	252.3	252.6	254.0	253.6	255.3	254.3	256.0	255.2	257.2
G21.0	238.5	241.1	241.5	243.1	242.8	243.6	243.3	244.6	244.5	246.5
G22.0	226.1	228.1	229.2	230.3	230.7	231.6	230.9	232.1	232.1	234.3
G23.0	214.8	217.4	217.3	219.1	218.9	219.9	220.0	220.6	221.3	222.6
G24.0	202.5	206.1	205.5	207.7	206.6	208.9	208.1	210.0	209.3	211.6
G25.0	191.1	194.7	194.8	195.9	195.1	196.9	197.0	198.5	198.0	199.8
G26.0	180.4	184.5	184.0	184.6	184.1	186.0	186.3	187.8	187.4	188.6
G27.0	169.2	172.6	172.9	173.6	173.0	174.6	174.0	176.6	176.1	177.3
G28.0	159.3	162.4	162.3	163.3	162.9	164.3	163.8	166.4	165.6	167.1
G29.0	149.2	152.5	152.6	153.0	152.7	153.7	153.8	155.8	155.9	156.9
G30.0	138.6	141.5	142.0	142.8	142.1	142.6	143.0	144.4	144.7	145.9
G31.0	129.4	131.9	132.5	133.4	133.4	133.6	133.3	135.1	135.7	136.9
G32.0	120.3	122.5	123.0	124.1	123.7	123.9	124.2	125.7	126.1	127.4
G33.0	112.3	114.1	114.8	115.6	115.6	115.8	115.6	117.2	117.4	118.8
G34.0	104.2	106.3	106.7	108.0	107.9	108.4	107.7	109.3	109.4	110.7
G35.0	96.4	98.2	98.5	99.6	99.6	100.2	99.5	100.8	101.1	102.0
G36.0	89.5	90.9	91.6	92.6	92.6	93.1	92.1	93.8	93.6	95.0

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 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	82.1	84.2	84.1	86.0	85.5	86.2	84.9	87.2	86.3	87.8
G38.0	76.0	77.6	77.9	79.0	79.1	79.5	78.7	80.0	80.2	81.1
G39.0	70.2	71.8	72.1	73.2	73.4	73.6	72.9	74.1	74.1	75.1
G40.0	64.6	65.7	65.9	67.0	67.2	67.6	67.0	68.1	68.1	68.9
G41.0	59.5	60.8	60.9	61.8	62.0	62.2	61.9	63.0	62.9	63.4
G42.0	54.5	55.8	56.0	56.9	57.2	57.4	56.9	58.0	57.8	58.6
G43.0	49.7	51.0	51.1	52.0	52.0	52.5	52.0	52.9	52.9	53.5
G44.0	45.7	46.7	46.9	47.7	47.7	48.1	47.7	48.8	48.5	49.2
G45.0	41.4	43.0	42.7	43.8	43.3	44.2	43.5	44.6	44.3	45.1
G46.0	38.1	39.2	39.2	39.9	39.7	40.0	39.7	40.8	40.6	41.1
G47.0	35.1	35.9	35.9	36.4	36.5	36.7	36.5	37.3	37.2	37.8
G48.0	31.9	32.6	32.8	33.3	33.2	33.5	33.3	34.0	34.0	34.4
G49.0	29.4	30.1	30.1	30.5	30.5	30.8	30.4	31.3	31.1	31.6
G50.0	27.1	27.6	27.7	28.1	28.0	28.3	27.9	28.7	28.7	29.1
G51.0	24.8	25.3	25.2	25.6	25.6	25.7	25.4	26.2	26.1	26.4
G52.0	22.8	23.1	23.2	23.6	23.4	23.7	23.4	24.0	24.0	24.3
G53.0	20.8	21.3	21.2	21.7	21.5	21.8	21.4	22.1	21.8	22.4
G54.0	19.1	19.5	19.5	20.0	19.8	19.9	19.7	20.1	20.2	20.3
G55.0	17.7	17.9	18.0	18.3	18.2	18.4	18.2	18.6	18.6	18.8
G56.0	16.2	16.5	16.5	16.8	16.7	16.8	16.7	17.1	17.0	17.1
G57.0	14.8	15.2	15.2	15.5	15.4	15.4	15.4	15.7	15.7	15.8
G58.0	13.9	14.0	14.1	14.4	14.3	14.3	14.1	14.6	14.6	14.6
G59.0	12.7	12.9	12.9	13.2	13.1	13.2	13.1	13.3	13.3	13.5
G60.0	11.8	12.0	12.0	12.3	12.2	12.2	12.0	12.4	12.3	12.5
G61.0	10.7	11.0	11.0	11.4	11.2	11.3	11.1	11.6	11.4	11.6
G62.0	10.0	10.1	10.1	10.4	10.4	10.3	10.3	10.5	10.4	10.6
G63.0	9.3	9.4	9.5	9.6	9.6	9.6	9.6	9.8	9.7	9.8
G64.0	8.5	8.6	8.7	8.8	8.9	8.9	8.9	9.1	8.9	9.0
G65.0	7.8	7.9	7.9	8.2	8.1	8.3	8.2	8.4	8.3	8.3
G66.0	7.2	7.3	7.3	7.6	7.5	7.5	7.6	7.7	7.6	7.7
G67.0	6.5	6.7	6.7	6.9	6.9	6.8	6.7	7.1	7.0	7.0
G68.0	5.9	6.1	6.2	6.3	6.3	6.3	6.2	6.5	6.3	6.4
G69.0	5.3	5.5	5.5	5.8	5.8	5.7	5.5	6.0	5.8	5.9
G70.0	4.8	5.0	5.0	5.2	5.2	5.1	5.0	5.4	5.2	5.3
G71.0	4.4	4.5	4.6	4.8	4.8	4.6	4.6	4.9	4.8	4.8
G72.0	3.9	4.0	4.0	4.2	4.2	4.1	4.1	4.3	4.2	4.3
G73.0	3.4	3.5	3.6	3.7	3.7	3.6	3.6	3.8	3.7	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:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G0.0	377.1	376.6	376.2	376.0	376.1	375.9	381.3			
G1.0	377.1	377.0	376.6	376.4	376.3	376.1	381.0			
G2.0	376.3	376.4	376.0	375.9	375.6	375.4	379.8			
G3.0	374.4	374.5	374.6	374.4	374.0	373.7	377.9			
G4.0	372.0	372.4	372.5	372.2	371.5	371.4	375.2			
G5.0	369.3	369.7	369.9	369.5	369.0	368.5	372.1			
G6.0	365.3	365.7	366.2	366.0	365.1	364.7	368.2			
G7.0	360.5	361.3	361.6	361.3	360.6	360.3	363.3			
G8.0	354.8	356.1	355.8	355.8	354.8	355.3	357.8			
G9.0	348.7	350.0	350.5	350.0	349.1	348.8	351.6			
G10.0	342.2	343.6	344.1	344.1	343.4	343.0	345.4			
G11.0	335.2	336.3	337.1	337.6	336.6	336.4	338.3			
G12.0	327.9	329.4	330.7	330.7	329.7	329.7	331.3			
G13.0	320.8	322.1	323.4	324.0	322.7	322.3	323.7			
G14.0	312.0	313.6	314.4	315.2	314.2	313.0	314.1			
G15.0	303.9	306.0	306.7	307.2	305.3	304.5	305.2			
G16.0	294.8	297.5	297.6	298.4	295.3	295.1	295.1			
G17.0	286.5	287.4	288.6	288.6	286.3	285.3	285.9			
G18.0	277.0	278.5	279.1	279.0	276.9	275.7	275.7			
G19.0	266.4	267.2	268.4	268.0	266.3	264.9	264.7			
G20.0	256.4	258.0	258.1	258.1	255.1	254.7	253.7			
G21.0	245.8	247.2	247.4	246.7	244.1	243.4	242.4			
G22.0	233.8	235.1	235.1	234.6	232.0	231.6	230.1			
G23.0	222.0	223.4	223.4	223.1	220.7	220.7	219.0			
G24.0	209.8	211.8	211.7	212.0	209.0	209.9	205.9			
G25.0	198.9	200.2	200.8	200.0	198.4	197.4	194.4			
G26.0	187.7	189.4	190.1	189.8	187.4	186.9	184.4			
G27.0	176.3	178.3	179.0	178.8	176.0	175.1	172.6			
G28.0	166.3	167.8	168.5	168.4	166.0	165.0	162.5			
G29.0	156.3	158.1	158.7	158.6	155.7	155.2	152.3			
G30.0	145.6	147.2	148.0	147.4	145.1	144.3	142.0			
G31.0	136.1	138.0	138.5	138.3	136.1	134.8	133.3			
G32.0	126.5	128.0	129.0	128.2	126.3	125.5	123.7			
G33.0	118.4	119.9	120.6	120.2	118.1	117.1	115.7			
G34.0	110.2	111.8	112.3	112.2	110.2	109.4	107.6			
G35.0	102.0	103.4	104.1	103.9	102.1	101.5	99.8			
G36.0	94.9	95.8	96.8	96.4	94.6	94.1	92.7			

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 10)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	87.0	88.9	88.8	89.3	87.0	87.4	85.8			
G38.0	80.7	82.0	82.4	82.2	80.6	80.5	79.0			
G39.0	74.8	76.0	76.5	76.3	74.8	74.6	73.3			
G40.0	68.4	69.8	70.0	70.0	68.7	68.3	67.1			
G41.0	63.3	64.4	64.7	64.5	63.4	63.1	62.0			
G42.0	58.2	59.1	59.5	59.4	58.5	58.0	56.9			
G43.0	53.2	54.1	54.4	54.3	53.1	53.0	52.0			
G44.0	49.1	49.7	50.0	50.0	48.8	48.7	47.7			
G45.0	44.6	45.3	45.4	45.7	44.3	44.7	43.6			
G46.0	41.0	41.3	41.7	41.7	40.7	40.6	39.7			
G47.0	37.5	37.7	38.1	38.2	37.4	37.1	36.4			
G48.0	34.2	34.3	34.6	34.8	33.9	33.8	33.2			
G49.0	31.3	31.6	31.8	31.8	31.2	31.0	30.5			
G50.0	28.9	28.9	29.2	29.2	28.5	28.5	28.1			
G51.0	26.3	26.4	26.6	26.7	26.0	26.0	25.6			
G52.0	24.2	24.3	24.5	24.4	23.9	23.7	23.6			
G53.0	22.0	22.4	22.3	22.4	21.9	21.8	21.6			
G54.0	20.4	20.3	20.5	20.5	20.1	19.9	19.8			
G55.0	18.7	18.7	18.9	18.9	18.5	18.3	18.3			
G56.0	17.1	17.2	17.3	17.3	16.9	16.8	16.8			
G57.0	15.9	15.9	16.0	16.0	15.6	15.4	15.5			
G58.0	14.7	14.7	14.8	14.7	14.4	14.3	14.4			
G59.0	13.5	13.4	13.6	13.5	13.3	13.0	13.2			
G60.0	12.5	12.4	12.6	12.4	12.3	12.1	12.2			
G61.0	11.5	11.5	11.6	11.5	11.2	11.2	11.3			
G62.0	10.6	10.6	10.7	10.6	10.4	10.3	10.4			
G63.0	9.8	9.8	9.9	9.7	9.7	9.5	9.6			
G64.0	9.0	8.9	9.1	9.0	8.8	8.7	8.8			
G65.0	8.4	8.3	8.4	8.3	8.2	8.0	8.1			
G66.0	7.7	7.6	7.8	7.6	7.6	7.3	7.5			
G67.0	7.0	7.0	7.1	6.9	6.8	6.7	6.8			
G68.0	6.5	6.4	6.6	6.3	6.3	6.1	6.3			
G69.0	5.9	5.8	5.9	5.8	5.7	5.6	5.7			
G70.0	5.3	5.3	5.4	5.1	5.2	5.0	5.2			
G71.0	4.9	4.8	4.9	4.7	4.6	4.5	4.7			
G72.0	4.3	4.2	4.3	4.1	4.1	4.0	4.2			
G73.0	3.9	3.8	3.8	3.6	3.6	3.5	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:

