



Report No.:

Test Time: 2021-04-10 09:53

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: RAD-S-CIS-9.5000.24.-.17

Luminous Length (mm): -80

Luminous Width (mm): -80

Luminous Height (mm): 72,7

Voltage: 24.0 V

Current: 0.350 A

Power: 8.40 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 933.5 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 933.5 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 34.8, 34.7, 34.9, 34.7

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 17.4, 17.1, 17.3, 17.2

Luminaire Efficacy Rating (LER): 111.18

Central Intensity: 7190.41 cd

Max. Intensity: 7191.61 cd

Pos of Max. Intensity: H40 V0

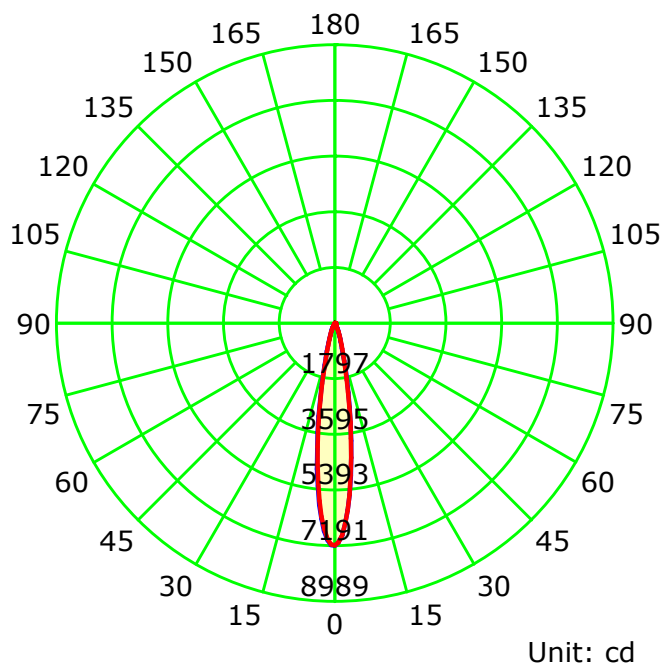
S/MH(C0/C180): 0.30

S/MH(C90/C270): 0.29

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

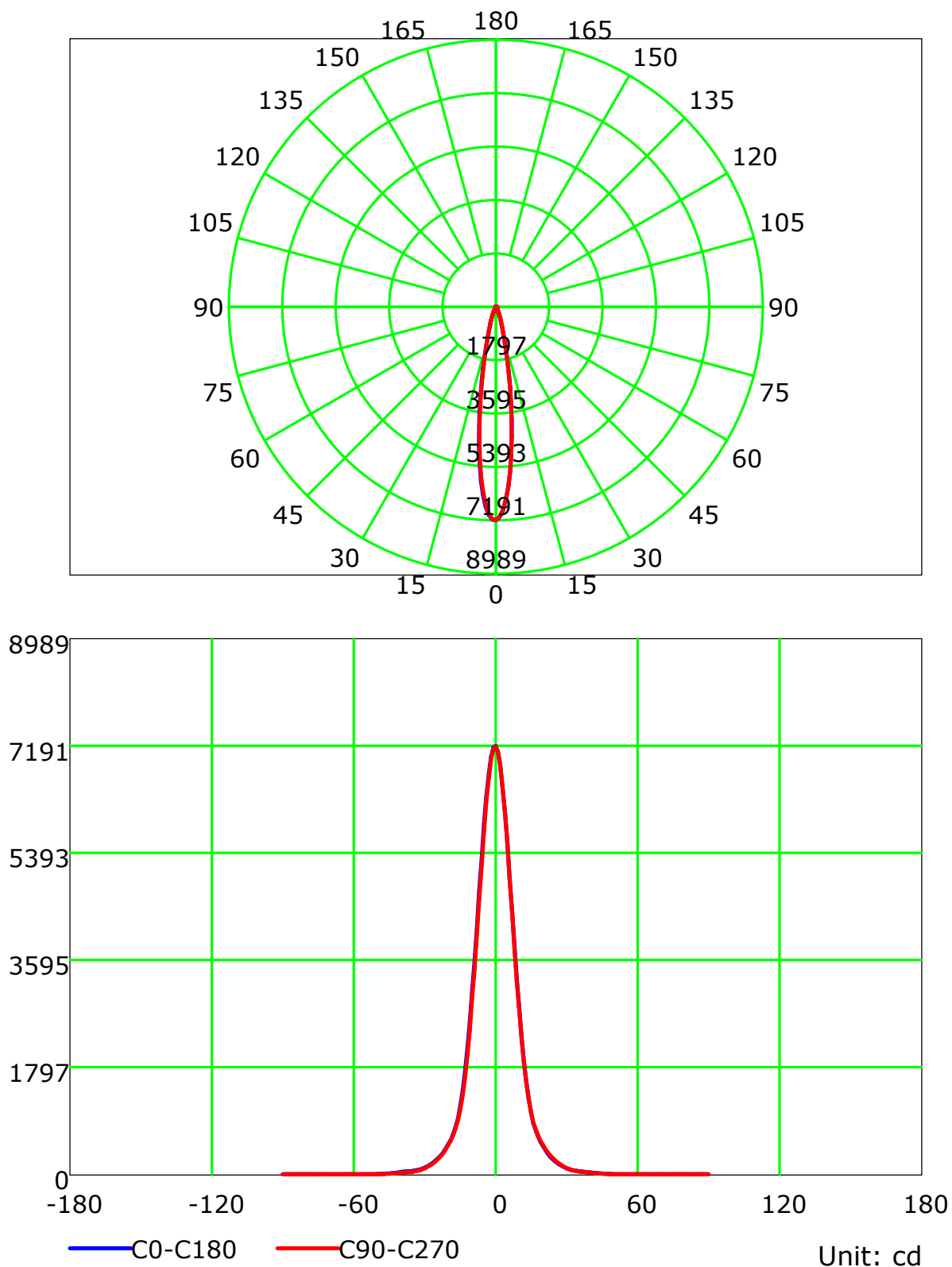
Test Device: LSG-1700B

Distance: 9.600 m

Humidity:

Inspector:

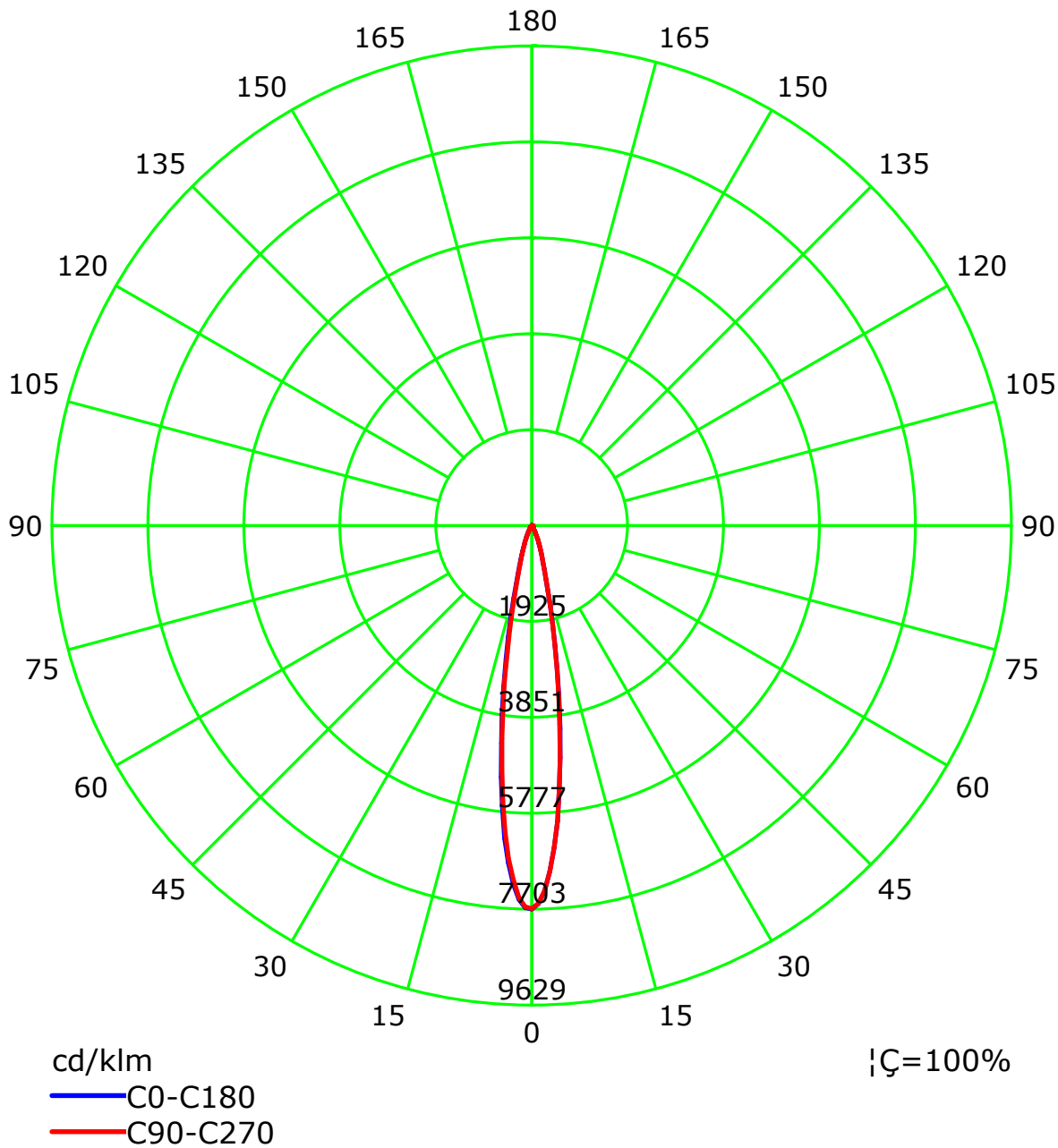
## Luminous Intensity Distribution Curve



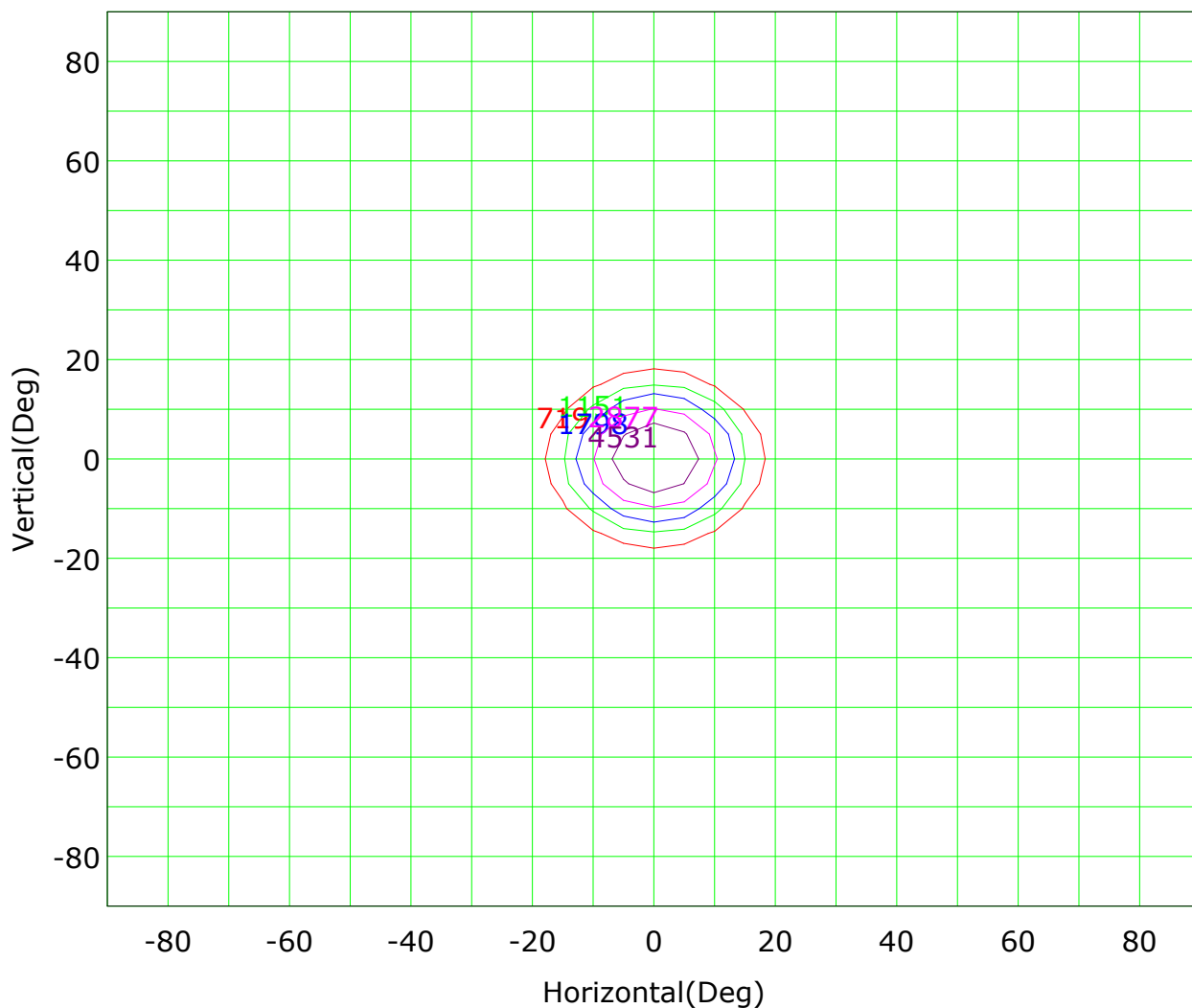
C Plane (°):0.0-360.0: 10.0  
Test Lab: Svet-lab  
Test Type: TYPE C  
Temperature:  
Operator: Svet-lab

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

## Luminous Intensity Distribution Curve(cd/klm)



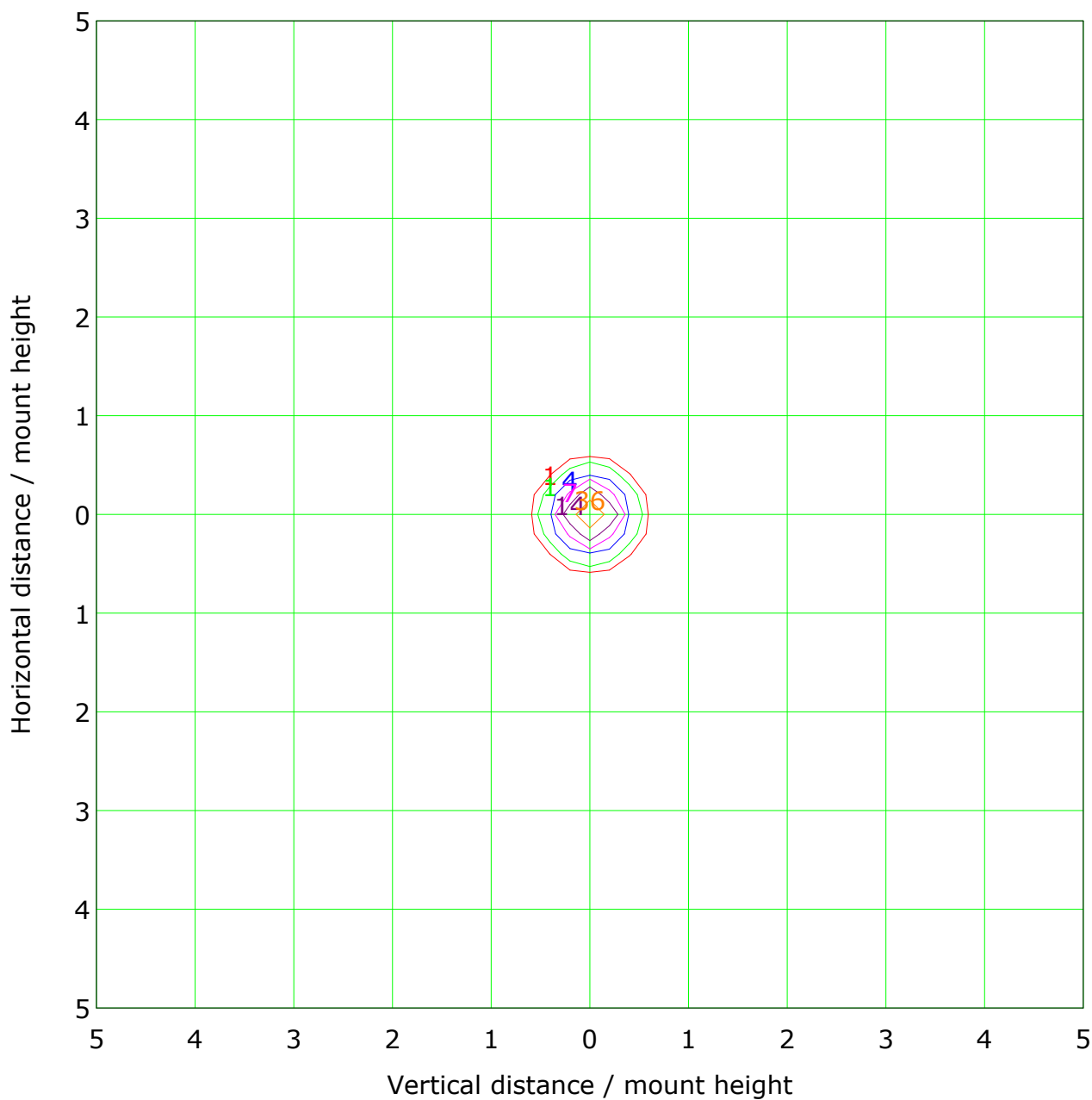
## Isocandela (rectangle)



Imax (100%): 7192 cd

( 10%): 719 cd	( 16%): 1151 cd
( 25%): 1798 cd	( 40%): 2877 cd
( 63%): 4531 cd	(100%): 7192 cd

## IsoLux Plot



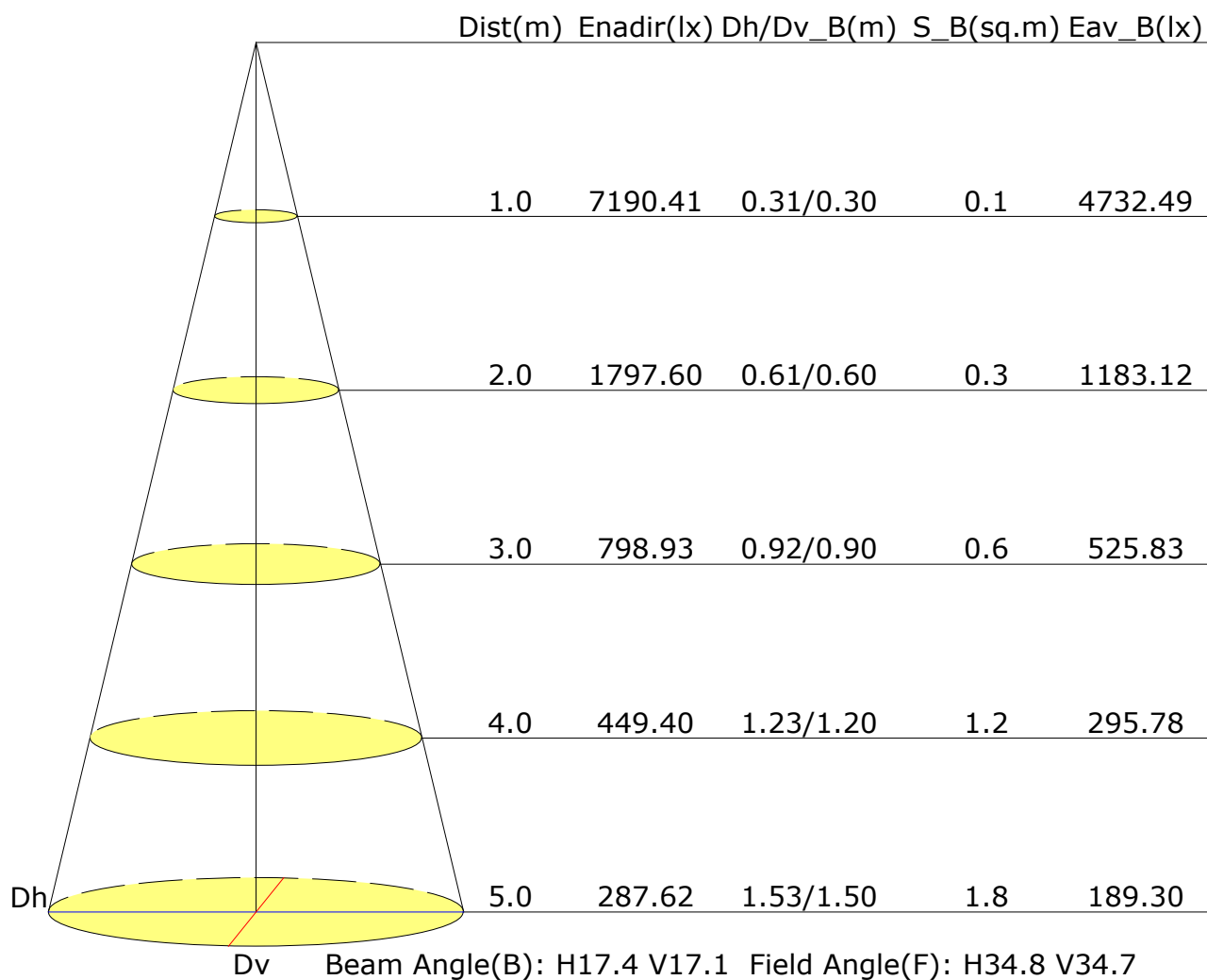
Mounting Height: 10.0m    Max Lux(100%): 71.9 lx

( 1%): 0.7 lx	( 2%): 1.4 lx
( 5%): 3.6 lx	( 10%): 7.2 lx
( 20%): 14.4 lx	( 50%): 36.0 lx
(100%): 71.9 lx	

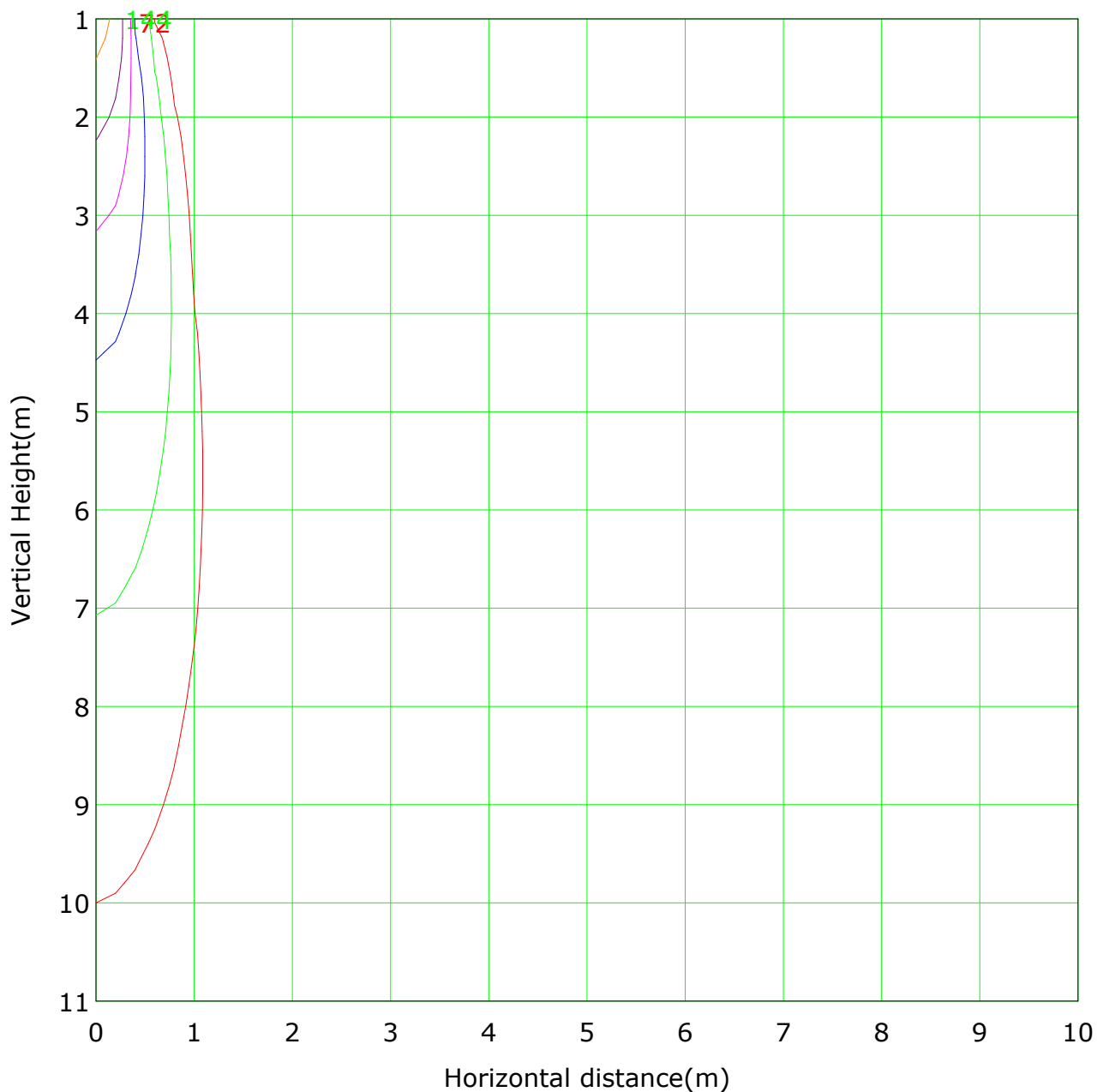
C Plane (°):0.0-360.0: 10.0  
Test Lab: Svet-lab  
Test Type: TYPE C  
Temperature:  
Operator: Svet-lab

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

## Illuminance at a Distance

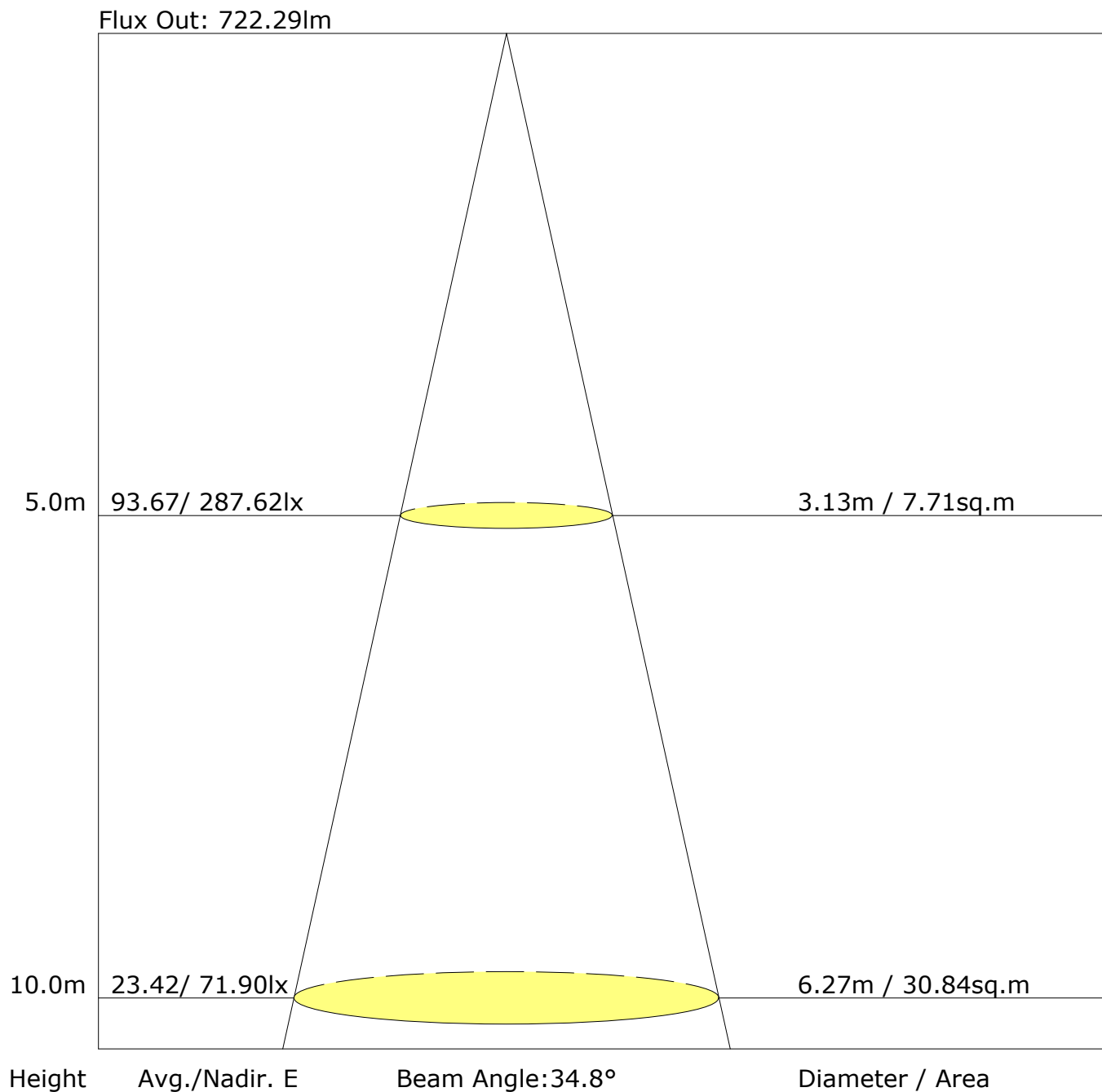


## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 11.0m    Max Lux: 7190.4 lx  
 ( 1%): 71.9 lx    ( 2%): 143.8 lx  
 ( 5%): 359.5 lx    ( 10%): 719.0 lx  
 ( 20%): 1438.1 lx    ( 50%): 3595.2 lx  
 (100%): 7190.4 lx

## The Average Illuminance Effective Figure



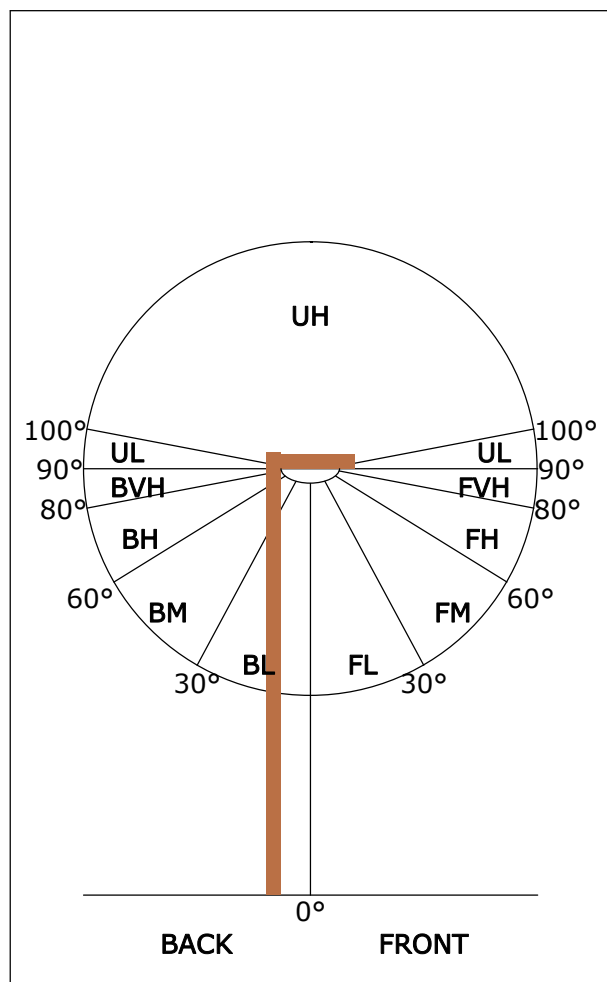


## UGR Table

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	6.1	6.7	6.3	6.8	7.0	6.0	6.6	6.2	6.7	6.9
3H	6.0	6.5	6.3	6.7	6.9	5.9	6.4	6.1	6.6	6.8
4H	5.9	6.4	6.2	6.6	6.9	5.8	6.3	6.1	6.5	6.8
6H	5.8	6.3	6.1	6.5	6.8	5.7	6.2	6.0	6.4	6.7
8H	5.8	6.2	6.1	6.5	6.8	5.7	6.1	6.0	6.4	6.7
12H	5.8	6.2	6.1	6.5	6.8	5.6	6.1	6.0	6.4	6.7
X=4H Y=2H	5.9	6.4	6.2	6.6	6.9	5.8	6.3	6.1	6.5	6.8
3H	5.8	6.2	6.1	6.5	6.8	5.6	6.1	6.0	6.4	6.7
4H	5.7	6.0	6.0	6.4	6.7	5.6	5.9	5.9	6.3	6.6
6H	5.6	5.9	6.0	6.3	6.6	5.5	5.8	5.9	6.2	6.5
8H	5.5	5.8	5.9	6.2	6.6	5.4	5.7	5.8	6.1	6.5
12H	5.5	5.7	5.9	6.1	6.6	5.4	5.6	5.8	6.0	6.5
X=8H Y=4H	5.5	5.8	5.9	6.2	6.6	5.4	5.7	5.8	6.1	6.5
6H	5.4	5.7	5.9	6.1	6.5	5.3	5.6	5.8	6.0	6.4
8H	5.4	5.6	5.8	6.0	6.5	5.3	5.5	5.7	5.9	6.4
12H	5.3	5.5	5.8	6.0	6.5	5.2	5.4	5.7	5.9	6.4
X=12H Y=4H	5.5	5.7	5.9	6.1	6.6	5.4	5.6	5.8	6.0	6.5
6H	5.4	5.6	5.8	6.0	6.5	5.3	5.5	5.7	5.9	6.4
8H	5.3	5.5	5.8	6.0	6.5	5.2	5.4	5.7	5.9	6.4
Variations with the observer position at spacings:										
S=1.0H	+12.1/-1.\$					+11.5/-1.\$				
S=1.5H	+15.1/-1.\$					+14.2/-1.\$				
S=2.0H	+17.1/-1.\$					+16.2/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with  $934\text{Im}$  ( $8\log(F/F_0) = -0.2$ ).

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



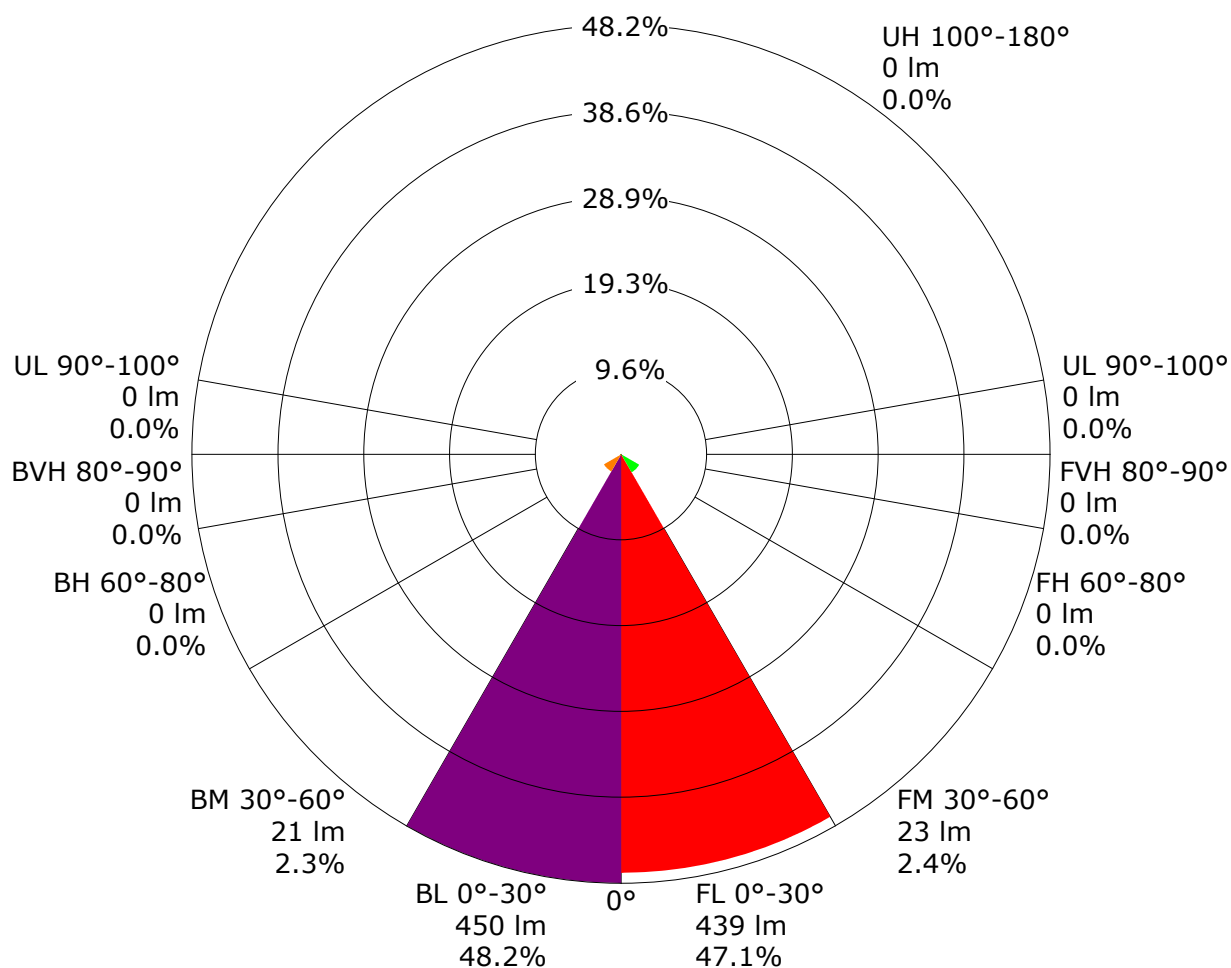
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	462	49.5
FL ( 0°-30°)	439	47.1
FM (30°-60°)	23	2.4
FH (60°-80°)	0	0.0
FVH (80°-90°)	0	0.0
BACK LIGHT	471	50.5
BL ( 0°-30°)	450	48.2
BM (30°-60°)	21	2.3
BH (60°-80°)	0	0.0
BVH (80°-90°)	0	0.0
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	7152.4	6.8	6.8	0.73	0.73
1.0-2.0	7023.7	20.2	27.0	2.16	2.89
2.0-3.0	6757.5	32.3	59.3	3.46	6.36
3.0-4.0	6379.8	42.7	102.0	4.58	10.93
4.0-5.0	5927.9	51.0	153.0	5.46	16.39
5.0-6.0	5386.8	56.6	209.7	6.07	22.46
6.0-7.0	4807.6	59.7	269.3	6.39	28.85
7.0-8.0	4232.5	60.6	329.9	6.49	35.34
8.0-9.0	3658.8	59.3	389.2	6.35	41.69
9.0-10.0	3124.1	56.5	445.8	6.06	47.75
10.0-11.0	2620.7	52.4	498.1	5.61	53.36
11.0-12.0	2168.6	47.4	545.6	5.08	58.44
12.0-13.0	1793.1	42.6	588.1	4.56	63.00
13.0-14.0	1462.4	37.4	625.6	4.01	67.01
14.0-15.0	1191.7	32.7	658.3	3.50	70.52
15.0-16.0	984.6	28.9	687.1	3.09	73.61
16.0-17.0	824.1	25.7	712.8	2.75	76.36
17.0-18.0	706.0	23.3	736.1	2.49	78.85
18.0-19.0	609.5	21.2	757.3	2.27	81.12
19.0-20.0	528.0	19.3	776.6	2.07	83.19
20.0-21.0	459.1	17.6	794.2	1.89	85.08
21.0-22.0	396.2	15.9	810.2	1.71	86.79
22.0-23.0	341.1	14.3	824.5	1.53	88.32
23.0-24.0	293.6	12.8	837.3	1.38	89.70
24.0-25.0	252.0	11.5	848.8	1.23	90.92
25.0-26.0	216.9	10.2	859.0	1.10	92.02
26.0-27.0	185.5	9.1	868.1	0.97	92.99
27.0-28.0	157.8	8.0	876.1	0.86	93.85
28.0-29.0	134.7	7.0	883.1	0.76	94.60
29.0-30.0	114.2	6.2	889.3	0.66	95.26
30.0-31.0	96.9	5.4	894.7	0.58	95.84
31.0-32.0	82.5	4.7	899.4	0.51	96.35
32.0-33.0	70.5	4.2	903.6	0.45	96.79
33.0-34.0	61.1	3.7	907.3	0.40	97.19
34.0-35.0	53.1	3.3	910.6	0.35	97.54
35.0-36.0	46.4	3.0	913.5	0.32	97.86

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	41.1	2.7	916.2	0.29	98.15
37.0-38.0	36.7	2.4	918.7	0.26	98.41
38.0-39.0	32.9	2.2	920.9	0.24	98.65
39.0-40.0	29.3	2.0	922.9	0.22	98.87
40.0-41.0	25.8	1.8	924.8	0.20	99.06
41.0-42.0	22.7	1.6	926.4	0.18	99.24
42.0-43.0	19.6	1.4	927.9	0.16	99.40
43.0-44.0	16.6	1.3	929.1	0.13	99.53
44.0-45.0	14.0	1.1	930.2	0.11	99.64
45.0-46.0	11.6	0.9	931.1	0.10	99.74
46.0-47.0	9.4	0.7	931.9	0.08	99.82
47.0-48.0	7.3	0.6	932.4	0.06	99.88
48.0-49.0	5.3	0.4	932.9	0.05	99.93
49.0-50.0	3.6	0.3	933.2	0.03	99.96
50.0-51.0	2.2	0.2	933.4	0.02	99.98
51.0-52.0	1.1	0.1	933.5	0.01	99.99
52.0-53.0	0.5	0.0	933.5	0.00	100.00
53.0-54.0	0.2	0.0	933.5	0.00	100.00
54.0-55.0	0.0	0.0	933.5	0.00	100.00
55.0-56.0	0.0	0.0	933.5	0.00	100.00
56.0-57.0	0.0	0.0	933.5	0.00	100.00
57.0-58.0	0.0	0.0	933.5	0.00	100.00
58.0-59.0	0.0	0.0	933.5	0.00	100.00
59.0-60.0	0.0	0.0	933.5	0.00	100.00
60.0-61.0	0.0	0.0	933.5	0.00	100.00
61.0-62.0	0.0	0.0	933.5	0.00	100.00
62.0-63.0	0.0	0.0	933.5	0.00	100.00
63.0-64.0	0.0	0.0	933.5	0.00	100.00
64.0-65.0	0.0	0.0	933.5	0.00	100.00
65.0-66.0	0.0	0.0	933.5	0.00	100.00
66.0-67.0	0.0	0.0	933.5	0.00	100.00
67.0-68.0	0.0	0.0	933.5	0.00	100.00
68.0-69.0	0.0	0.0	933.5	0.00	100.00
69.0-70.0	0.0	0.0	933.5	0.00	100.00
70.0-71.0	0.0	0.0	933.5	0.00	100.00
71.0-72.0	0.0	0.0	933.5	0.00	100.00

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	7190.4	7181.9	7189.9	7180.7	7191.6	7179.5	7188.4	7178.3	7189.0	7180.4
G1.0	7089.3	7064.4	7081.5	7060.2	7085.0	7060.8	7080.6	7073.1	7092.4	7080.8
G2.0	6864.3	6835.0	6848.6	6827.4	6852.9	6831.9	6862.6	6841.6	6882.2	6853.7
G3.0	6483.9	6447.1	6481.9	6433.3	6488.0	6440.6	6481.2	6451.7	6508.8	6493.3
G4.0	6055.3	6013.7	6031.3	5999.4	6035.9	5989.5	6051.9	6022.1	6083.6	6050.7
G5.0	5561.9	5493.6	5534.8	5479.8	5543.0	5492.2	5537.2	5503.6	5568.8	5556.6
G6.0	4950.0	4903.3	4950.0	4866.9	4934.2	4879.0	4951.9	4911.9	4979.9	4937.8
G7.0	4378.9	4326.1	4375.0	4315.7	4359.5	4325.9	4372.8	4328.6	4399.0	4382.2
G8.0	3838.8	3733.6	3808.0	3720.9	3815.8	3726.6	3826.7	3730.6	3826.7	3758.0
G9.0	3271.6	3194.7	3242.3	3177.5	3222.5	3181.3	3229.7	3209.7	3256.1	3238.6
G10.0	2769.2	2718.4	2740.9	2700.7	2739.9	2701.5	2747.2	2707.3	2774.8	2733.2
G11.0	2291.2	2227.6	2265.1	2210.9	2262.5	2212.2	2251.6	2238.5	2276.3	2263.4
G12.0	1890.0	1855.1	1884.4	1840.4	1864.6	1825.7	1875.3	1850.6	1897.7	1870.6
G13.0	1562.0	1521.4	1545.1	1510.8	1542.7	1513.4	1554.3	1523.1	1574.3	1554.2
G14.0	1256.7	1236.9	1244.0	1219.1	1245.7	1223.6	1254.9	1243.9	1272.3	1255.6
G15.0	1035.9	1020.4	1035.9	1018.3	1040.3	1023.8	1042.0	1030.3	1054.1	1047.1
G16.0	858.0	840.2	861.3	849.7	863.3	856.3	869.8	860.6	878.3	865.4
G17.0	733.4	721.2	735.1	727.8	746.0	735.3	752.0	743.3	758.0	745.2
G18.0	632.2	624.3	633.7	633.9	645.6	642.2	652.1	645.3	657.0	651.1
G19.0	545.9	533.8	545.0	545.9	557.3	552.2	563.8	559.4	569.6	563.3
G20.0	476.7	466.6	474.5	473.3	483.0	482.0	489.6	486.2	496.3	494.8
G21.0	412.6	401.8	410.7	403.2	420.1	411.2	427.6	418.4	434.9	425.7
G22.0	353.3	347.5	350.9	349.1	356.5	356.5	363.8	361.8	374.4	372.5
G23.0	303.0	299.5	301.9	300.4	308.1	306.2	315.9	315.6	326.0	323.9
G24.0	259.8	255.6	258.8	256.6	263.1	262.0	271.4	268.9	278.9	277.7
G25.0	223.7	220.1	222.0	222.1	226.2	225.4	232.5	233.7	242.1	239.7
G26.0	193.5	189.6	191.8	190.3	195.0	194.4	201.5	200.7	207.6	207.1
G27.0	163.7	161.3	163.3	161.8	165.2	164.9	170.1	170.3	176.6	175.4
G28.0	141.2	137.8	139.3	138.6	141.7	140.6	146.4	146.4	151.6	149.5
G29.0	120.7	116.1	120.2	117.5	121.0	120.0	124.6	122.9	129.2	125.3
G30.0	102.5	100.1	101.4	101.1	102.3	102.3	106.0	105.2	108.6	105.7
G31.0	89.0	86.3	87.5	87.3	87.8	88.8	91.4	90.4	92.2	90.7
G32.0	76.0	74.0	75.3	73.8	74.0	75.0	77.2	76.9	76.7	76.4
G33.0	67.8	64.8	65.8	64.1	64.6	64.8	66.7	65.8	66.0	66.2
G34.0	60.2	56.8	58.0	54.7	55.4	56.3	57.3	57.5	57.3	57.5
G35.0	54.9	49.6	51.3	48.1	47.9	48.3	50.1	50.0	51.0	50.1
G36.0	49.8	45.2	45.3	42.5	43.0	42.6	42.5	44.2	45.9	44.5

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 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	44.8	40.1	39.0	37.0	38.0	36.7	39.0	39.2	41.1	39.7
G38.0	41.3	36.3	35.6	33.2	33.6	33.2	34.6	34.1	37.7	35.3
G39.0	37.7	32.2	32.2	29.8	29.7	28.8	30.5	29.8	32.7	31.4
G40.0	33.1	27.8	27.8	26.3	25.9	25.4	27.3	26.6	29.0	27.5
G41.0	28.6	24.2	24.0	23.4	23.0	22.0	23.7	23.5	26.4	23.4
G42.0	23.5	20.8	21.0	20.8	20.3	19.4	22.0	21.3	23.0	20.5
G43.0	19.4	17.9	17.7	17.6	16.7	14.8	18.6	18.1	19.8	18.4
G44.0	16.5	14.3	14.7	14.8	14.1	12.3	16.2	15.3	17.0	14.3
G45.0	13.6	12.1	11.8	12.6	11.6	10.1	13.8	12.6	14.5	12.1
G46.0	11.3	10.2	10.4	10.4	10.1	8.2	11.3	10.7	11.8	10.2
G47.0	8.7	8.4	8.9	8.0	7.7	6.0	8.2	8.2	9.4	7.8
G48.0	6.7	6.1	6.7	5.8	5.8	4.6	5.8	5.8	7.0	5.8
G49.0	4.8	4.9	4.6	3.9	4.3	3.2	4.1	4.3	4.4	3.9
G50.0	3.1	3.6	3.2	2.0	2.2	1.7	2.7	2.9	3.9	2.2
G51.0	1.9	1.7	1.7	1.5	1.0	0.3	1.4	1.9	2.4	0.9
G52.0	0.7	0.0	1.0	0.3	0.0	0.7	0.5	0.2	0.9	0.0
G53.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
G54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 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	7183.8	7184.1	7185.1	7190.8	7188.0	7185.5	7184.6	7187.2	7190.4	7181.9
G1.0	7101.4	7098.4	7124.4	7122.7	7136.2	7128.4	7147.6	7146.1	7164.0	7175.9
G2.0	6902.1	6896.1	6932.6	6927.7	6965.9	6940.3	6978.7	6976.5	7011.1	7033.6
G3.0	6537.6	6535.1	6601.9	6594.0	6631.4	6618.4	6672.0	6670.9	6721.6	6755.2
G4.0	6121.5	6100.0	6176.5	6173.1	6236.4	6203.8	6269.4	6270.6	6334.7	6375.1
G5.0	5610.5	5611.9	5695.6	5695.1	5741.1	5709.1	5804.7	5809.0	5884.1	5931.2
G6.0	5026.8	5024.9	5090.0	5087.6	5166.4	5131.3	5211.2	5215.0	5297.9	5353.8
G7.0	4447.0	4445.4	4513.3	4508.3	4591.0	4549.9	4662.3	4662.3	4750.3	4814.2
G8.0	3902.8	3846.7	3968.6	3908.4	4041.7	3946.1	4081.9	4027.2	4121.3	4236.4
G9.0	3305.9	3298.6	3393.0	3381.9	3436.5	3413.8	3495.8	3489.5	3585.7	3643.3
G10.0	2819.8	2812.9	2880.0	2866.9	2939.7	2893.8	2968.2	2962.5	3053.7	3104.0
G11.0	2317.4	2312.8	2387.0	2379.1	2422.4	2401.6	2465.7	2459.6	2543.3	2584.1
G12.0	1931.4	1927.8	1990.8	1967.4	2020.8	1987.9	2058.1	2036.6	2126.5	2162.1
G13.0	1601.2	1585.7	1635.1	1628.5	1672.1	1631.6	1689.9	1686.3	1745.4	1773.2
G14.0	1291.3	1279.0	1316.3	1309.7	1342.2	1322.6	1368.0	1352.6	1399.9	1433.3
G15.0	1065.5	1063.8	1093.2	1076.3	1111.2	1083.8	1119.9	1115.7	1153.8	1170.2
G16.0	885.0	874.4	895.6	887.5	905.8	890.5	918.2	903.9	940.9	971.8
G17.0	760.9	752.0	767.4	759.2	772.8	758.0	772.3	765.1	793.6	798.6
G18.0	660.8	654.8	669.7	658.1	666.6	654.0	669.0	660.6	679.4	687.6
G19.0	574.5	569.3	579.0	570.6	578.5	565.2	575.6	566.9	581.9	591.4
G20.0	505.3	499.5	508.4	497.1	505.0	492.9	504.5	497.3	509.9	517.1
G21.0	440.4	429.6	441.7	429.8	439.9	425.9	438.8	428.6	445.6	448.2
G22.0	377.8	375.2	379.3	375.1	374.7	367.7	377.8	372.0	384.3	385.5
G23.0	328.0	323.8	329.2	324.4	326.3	319.1	328.7	323.6	331.3	335.2
G24.0	282.5	277.5	280.6	278.2	279.6	271.4	279.6	278.2	285.6	290.9
G25.0	243.6	238.3	241.8	239.9	241.2	235.9	243.6	239.9	248.1	248.7
G26.0	211.2	205.6	209.4	208.2	208.9	202.5	210.2	208.3	213.6	214.6
G27.0	177.3	174.6	177.6	175.1	176.3	172.9	180.5	176.3	182.8	182.6
G28.0	152.1	148.5	151.9	150.5	151.6	147.6	155.0	151.6	156.3	158.4
G29.0	129.1	125.7	130.1	127.0	130.4	125.1	133.8	127.5	134.0	135.0
G30.0	108.6	107.2	109.3	108.8	110.1	107.4	114.1	110.1	113.4	113.7
G31.0	91.9	91.2	94.3	93.1	93.6	92.2	96.8	94.8	98.2	97.5
G32.0	76.9	77.1	79.3	79.1	79.6	77.1	83.5	80.1	83.4	83.5
G33.0	65.8	66.7	69.1	67.8	68.5	67.0	73.1	69.6	72.8	71.9
G34.0	56.9	57.5	59.8	59.0	59.2	58.1	64.4	61.4	64.6	63.1
G35.0	49.4	49.6	51.0	50.1	50.8	49.4	55.9	55.1	58.0	55.1
G36.0	42.8	43.1	44.2	44.0	45.0	43.3	49.1	51.0	53.7	50.0

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 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	38.5	38.2	39.4	38.0	39.9	38.7	43.3	46.9	49.4	46.4
G38.0	34.3	34.1	34.1	34.4	35.0	34.4	38.2	43.6	47.9	43.3
G39.0	30.5	30.5	31.0	30.7	31.7	31.0	34.3	40.2	46.2	39.5
G40.0	26.9	27.6	27.8	27.3	28.3	28.0	30.5	35.1	39.5	35.6
G41.0	24.4	23.9	24.2	24.7	24.9	24.5	27.8	31.5	33.4	30.5
G42.0	20.5	21.0	21.1	21.3	22.0	21.5	24.7	28.3	29.0	25.6
G43.0	16.9	18.4	18.6	18.4	19.1	19.1	21.1	22.9	24.0	22.3
G44.0	14.5	15.3	15.7	16.7	15.9	16.5	18.4	20.3	20.1	18.8
G45.0	12.3	13.1	13.5	13.5	13.5	13.6	15.5	16.4	16.4	16.0
G46.0	9.0	10.4	10.9	10.9	11.8	11.6	13.1	13.1	14.0	13.8
G47.0	7.2	7.7	9.4	9.0	9.2	9.4	11.3	10.7	10.9	11.6
G48.0	4.8	6.1	6.0	6.8	7.2	7.3	8.9	8.2	8.9	9.4
G49.0	3.1	3.9	4.8	5.1	5.3	5.3	7.0	6.3	6.8	6.5
G50.0	2.0	2.6	3.2	3.2	3.8	3.6	5.6	4.6	4.6	5.8
G51.0	0.0	0.7	1.5	1.4	2.0	1.9	3.1	3.6	2.9	4.1
G52.0	0.0	0.0	0.7	1.2	0.7	1.5	2.4	2.4	2.4	2.4
G53.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.4	1.4	1.2
G54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.5
G55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
G56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 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	7189.9	7180.7	7191.6	7179.5	7188.4	7178.3	7189.0	7180.4	7183.8	7184.1
G1.0	7163.8	7175.8	7168.1	7170.8	7158.5	7157.7	7146.1	7144.5	7127.7	7134.1
G2.0	7022.5	7037.0	7015.8	7024.2	6996.9	7005.8	6970.3	6971.0	6937.4	6945.9
G3.0	6723.1	6757.0	6724.1	6734.7	6694.8	6690.4	6651.3	6653.2	6607.7	6614.9
G4.0	6354.4	6378.9	6335.9	6364.4	6292.5	6305.4	6235.9	6258.5	6177.7	6207.2
G5.0	5883.8	5933.3	5883.0	5894.0	5828.6	5820.6	5759.5	5762.9	5693.2	5705.0
G6.0	5325.1	5356.0	5294.6	5310.1	5231.7	5249.4	5153.6	5185.8	5082.2	5096.7
G7.0	4754.2	4815.7	4747.4	4764.6	4679.5	4674.0	4597.8	4609.8	4528.4	4543.6
G8.0	4148.9	4236.2	4114.7	4182.2	4070.5	4118.1	3992.1	4030.4	3897.6	3969.3
G9.0	3609.7	3644.1	3576.6	3589.4	3509.1	3528.7	3435.1	3446.2	3373.4	3389.1
G10.0	3074.0	3124.8	3040.1	3049.5	3000.6	2993.4	2934.4	2942.8	2855.5	2868.1
G11.0	2558.6	2577.9	2524.0	2530.7	2467.9	2481.8	2406.4	2413.9	2358.5	2369.1
G12.0	2118.1	2151.0	2083.3	2106.5	2055.4	2045.8	2000.3	2004.1	1958.4	1967.1
G13.0	1751.7	1760.6	1721.1	1723.6	1680.8	1688.5	1633.8	1637.3	1599.8	1621.7
G14.0	1400.0	1420.5	1374.5	1391.8	1358.1	1351.3	1319.1	1323.3	1291.8	1298.1
G15.0	1152.5	1159.1	1131.2	1148.1	1110.0	1115.5	1080.0	1095.0	1060.8	1076.1
G16.0	940.2	962.2	925.4	947.0	911.1	932.0	889.3	910.2	876.6	895.4
G17.0	787.5	800.3	785.9	790.5	774.5	776.2	760.4	765.1	750.1	755.3
G18.0	680.2	687.1	676.7	679.2	666.4	672.2	660.3	659.8	648.7	650.9
G19.0	586.1	591.1	582.7	585.3	573.0	578.6	564.7	568.1	558.7	559.7
G20.0	508.0	512.8	505.1	511.0	499.9	501.4	494.2	496.1	487.3	487.8
G21.0	443.1	446.5	438.8	443.6	432.4	436.3	428.3	432.2	420.9	421.4
G22.0	379.7	382.4	375.8	376.4	369.8	373.5	367.9	367.9	360.2	358.0
G23.0	327.0	330.6	323.1	324.6	317.4	321.9	319.7	319.3	310.3	309.6
G24.0	279.9	284.0	274.6	278.9	270.2	279.6	273.6	274.8	264.3	264.8
G25.0	241.1	242.8	237.1	237.0	233.2	237.3	235.4	235.3	228.3	225.2
G26.0	208.2	208.9	203.2	204.2	200.5	205.1	203.2	203.2	196.6	192.0
G27.0	177.8	177.0	172.2	172.0	168.4	173.2	171.7	170.7	164.9	162.1
G28.0	151.9	152.4	147.5	146.6	144.6	146.4	146.6	145.8	140.5	138.3
G29.0	130.6	129.7	125.8	125.7	122.9	125.5	123.9	123.9	118.2	116.9
G30.0	110.1	108.4	105.2	104.0	103.0	102.6	103.8	101.9	98.4	97.9
G31.0	93.1	93.1	89.7	88.8	88.0	86.3	87.8	86.6	83.7	82.9
G32.0	79.8	78.1	74.7	75.5	73.3	71.8	74.2	72.5	69.9	70.1
G33.0	69.2	66.8	64.8	63.8	63.1	61.9	63.8	62.4	60.2	59.5
G34.0	60.3	58.0	55.6	55.6	55.1	53.0	55.2	53.4	51.3	50.5
G35.0	54.6	48.8	47.7	46.2	46.9	45.0	48.8	46.2	45.7	43.1
G36.0	48.6	42.5	41.1	40.9	40.1	39.2	42.5	40.2	38.9	37.7

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 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	42.6	38.0	36.7	36.0	35.1	34.1	37.5	35.8	34.1	33.1
G38.0	38.2	33.8	32.6	32.0	31.7	31.9	33.8	31.7	30.2	29.5
G39.0	33.8	29.8	30.0	28.3	29.3	29.0	29.8	28.1	26.9	26.3
G40.0	31.2	26.1	26.1	25.1	25.6	25.2	26.8	25.1	23.7	24.0
G41.0	28.5	23.4	23.4	22.0	22.7	23.0	23.7	22.2	21.3	20.5
G42.0	24.2	20.6	21.0	19.6	20.5	20.1	21.3	19.4	18.6	18.2
G43.0	20.3	17.7	17.6	17.0	16.9	17.4	18.2	16.5	15.5	15.0
G44.0	17.6	14.8	15.2	14.1	15.2	14.1	16.0	13.3	13.3	13.0
G45.0	14.0	12.8	13.0	12.4	13.0	12.3	13.5	11.4	10.7	10.4
G46.0	12.4	10.7	10.2	10.1	10.4	9.9	10.9	8.7	8.0	8.7
G47.0	9.9	8.9	8.4	8.0	8.5	8.0	9.4	6.8	6.7	6.3
G48.0	8.4	6.5	6.5	6.1	6.8	6.5	7.0	4.6	4.6	4.3
G49.0	6.0	4.9	4.8	3.8	3.9	4.3	5.8	3.8	2.7	2.7
G50.0	3.2	3.1	2.9	3.1	2.9	3.1	3.8	1.5	1.5	1.0
G51.0	2.9	2.0	1.9	1.0	0.7	1.4	2.6	0.0	0.0	0.2
G52.0	1.9	1.2	0.3	0.2	0.0	0.2	0.7	0.0	0.0	0.0
G53.0	1.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G54.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	7185.1	7190.8	7188.0	7185.5	7184.6	7187.2	7190.4			
G1.0	7112.2	7121.2	7108.2	7109.9	7091.4	7095.1	7089.3			
G2.0	6915.1	6928.4	6891.0	6912.9	6879.4	6887.5	6864.3			
G3.0	6552.8	6571.4	6537.6	6551.1	6506.4	6515.3	6483.9			
G4.0	6134.6	6157.3	6098.5	6138.7	6082.9	6091.8	6055.3			
G5.0	5620.2	5649.4	5604.4	5654.7	5564.8	5576.6	5561.9			
G6.0	5031.4	5064.8	4987.4	5047.1	4975.1	4992.2	4950.0			
G7.0	4476.1	4483.6	4432.1	4468.8	4397.0	4416.4	4378.9			
G8.0	3849.6	3935.3	3832.7	3920.5	3801.1	3874.8	3838.8			
G9.0	3324.8	3331.3	3284.4	3319.4	3281.9	3278.9	3271.6			
G10.0	2809.1	2835.5	2796.3	2826.3	2772.8	2790.3	2769.2			
G11.0	2320.8	2341.6	2289.3	2333.8	2290.5	2304.1	2291.2			
G12.0	1909.3	1927.5	1900.2	1922.4	1888.1	1897.2	1890.0			
G13.0	1575.3	1590.1	1552.6	1586.7	1560.3	1568.3	1562.0			
G14.0	1263.0	1276.6	1257.7	1286.0	1251.9	1259.7	1256.7			
G15.0	1047.8	1058.9	1035.0	1056.3	1037.9	1043.9	1035.9			
G16.0	867.3	883.5	856.5	885.2	855.8	867.9	858.0			
G17.0	738.2	744.7	733.3	738.4	727.1	730.4	733.4			
G18.0	641.4	646.0	631.0	638.0	630.6	631.5	632.2			
G19.0	552.2	550.8	541.8	544.4	540.3	540.1	545.9			
G20.0	476.9	479.1	470.2	475.1	471.7	471.9	476.7			
G21.0	412.4	415.0	408.1	413.8	410.4	411.7	412.6			
G22.0	351.9	354.4	345.8	353.6	352.2	352.7	353.3			
G23.0	301.6	304.0	296.1	303.5	302.6	302.8	303.0			
G24.0	256.1	262.4	253.2	262.0	258.8	262.5	259.8			
G25.0	219.1	221.8	218.4	221.5	222.8	221.6	223.7			
G26.0	188.6	191.6	188.1	189.2	191.6	192.3	193.5			
G27.0	159.8	161.3	157.9	159.6	163.3	163.5	163.7			
G28.0	135.0	136.7	135.2	136.7	140.0	139.3	141.2			
G29.0	115.3	117.3	114.4	116.1	119.3	119.2	120.7			
G30.0	96.0	97.7	95.8	96.5	100.6	99.7	102.5			
G31.0	81.8	82.5	81.7	83.0	86.9	85.6	89.0			
G32.0	69.2	70.1	69.1	70.8	75.3	72.5	76.0			
G33.0	60.5	60.9	58.8	61.5	67.0	62.4	67.8			
G34.0	51.5	52.2	50.8	53.0	59.5	55.2	60.2			
G35.0	44.3	44.8	43.5	44.5	50.8	48.4	54.9			
G36.0	38.9	38.5	37.3	38.7	44.5	44.2	49.8			

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 10)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	34.6	35.3	33.1	33.8	38.4	39.5	44.8			
G38.0	29.8	30.4	28.8	30.4	34.8	35.1	41.3			
G39.0	27.1	26.9	26.1	26.8	30.2	31.0	37.7			
G40.0	24.0	24.9	23.4	23.2	26.3	26.1	33.1			
G41.0	21.8	22.2	18.6	19.1	23.7	22.3	28.6			
G42.0	18.8	19.1	16.4	16.5	21.3	19.3	23.5			
G43.0	16.2	16.2	13.3	14.0	18.2	16.0	19.4			
G44.0	13.6	13.8	11.3	11.3	16.0	12.6	16.5			
G45.0	11.8	11.8	8.5	9.7	13.5	11.1	13.6			
G46.0	9.7	9.7	7.3	6.3	10.6	8.7	11.3			
G47.0	7.0	8.0	4.9	5.3	8.9	6.7	8.7			
G48.0	5.3	5.8	2.7	3.4	6.7	4.8	6.7			
G49.0	3.4	4.8	0.7	1.7	5.6	3.1	4.8			
G50.0	2.4	2.4	0.0	0.9	3.6	1.7	3.1			
G51.0	1.2	1.9	0.0	0.7	2.6	0.5	1.9			
G52.0	0.3	1.0	0.0	0.0	1.2	0.0	0.7			
G53.0	0.0	0.0	0.0	0.0	0.5	0.0	0.7			
G54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G59.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G61.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G62.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G63.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G64.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G69.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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:

