



Report No.:

Test Time: 2021-04-07 12:26

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: RAD-S-CIS-9.3000.24.-.60

Luminous Length (mm): -80

Luminous Width (mm): -80

Luminous Height (mm): 72,7

Voltage: 24.0 V

Current: 0.368 A

Power: 8.84 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 533.1 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 533.1 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 96.6, 96.7, 96.8, 97.0

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 54.0, 54.2, 54.3, 54.4

Luminaire Efficacy Rating (LER): 60.36

Central Intensity: 569.1 cd

Max. Intensity: 569.1 cd

Pos of Max. Intensity: H0 V0

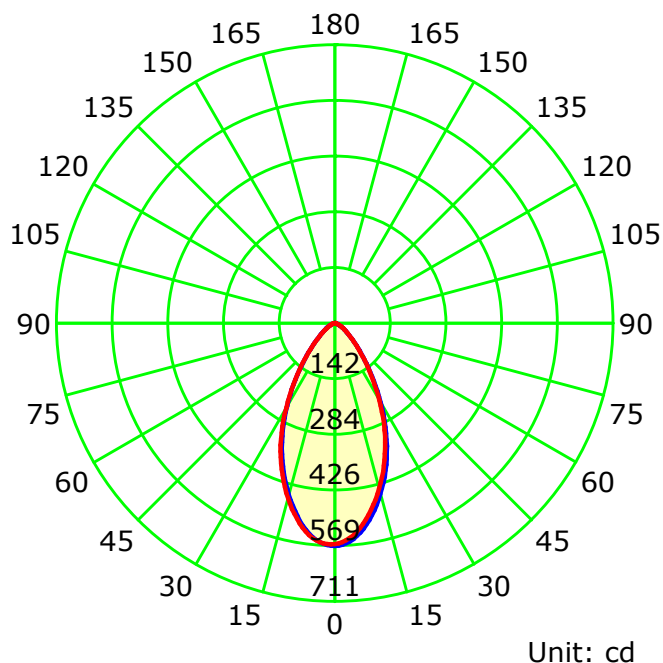
S/MH(C0/C180): 0.81

S/MH(C90/C270): 0.81

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

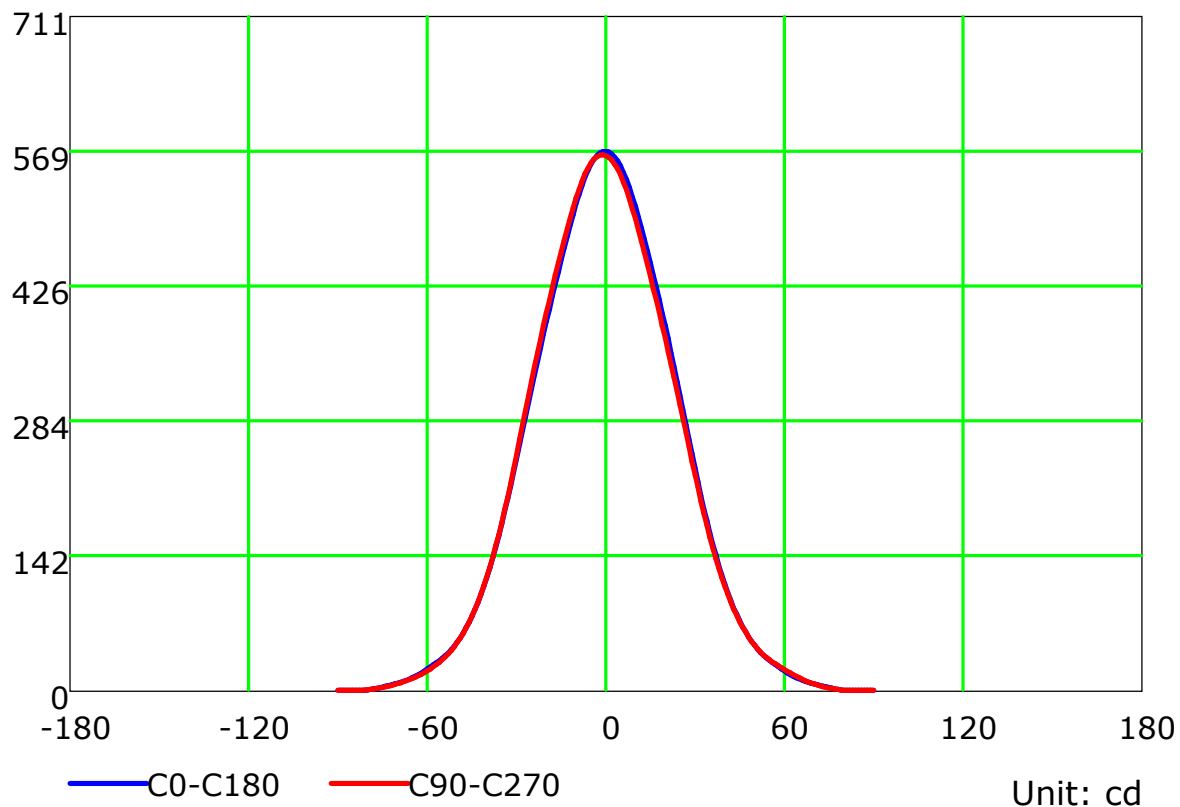
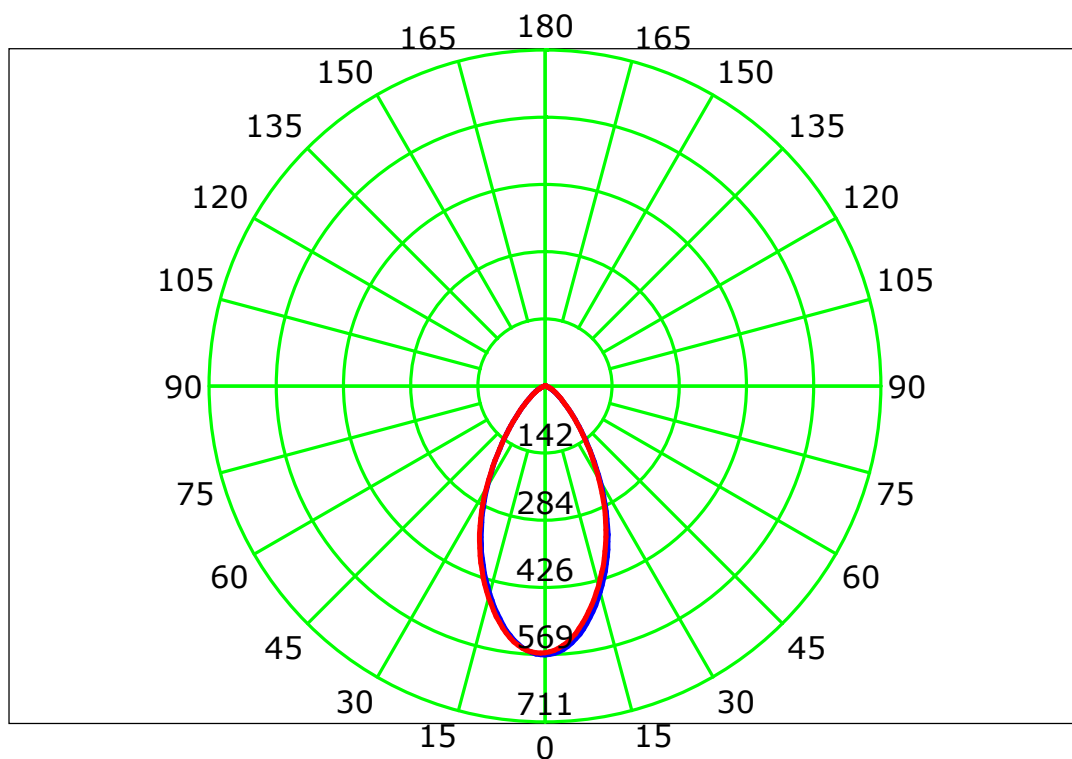
Test Device: LSG-1700B

Distance: 9.600 m

Humidity:

Inspector:

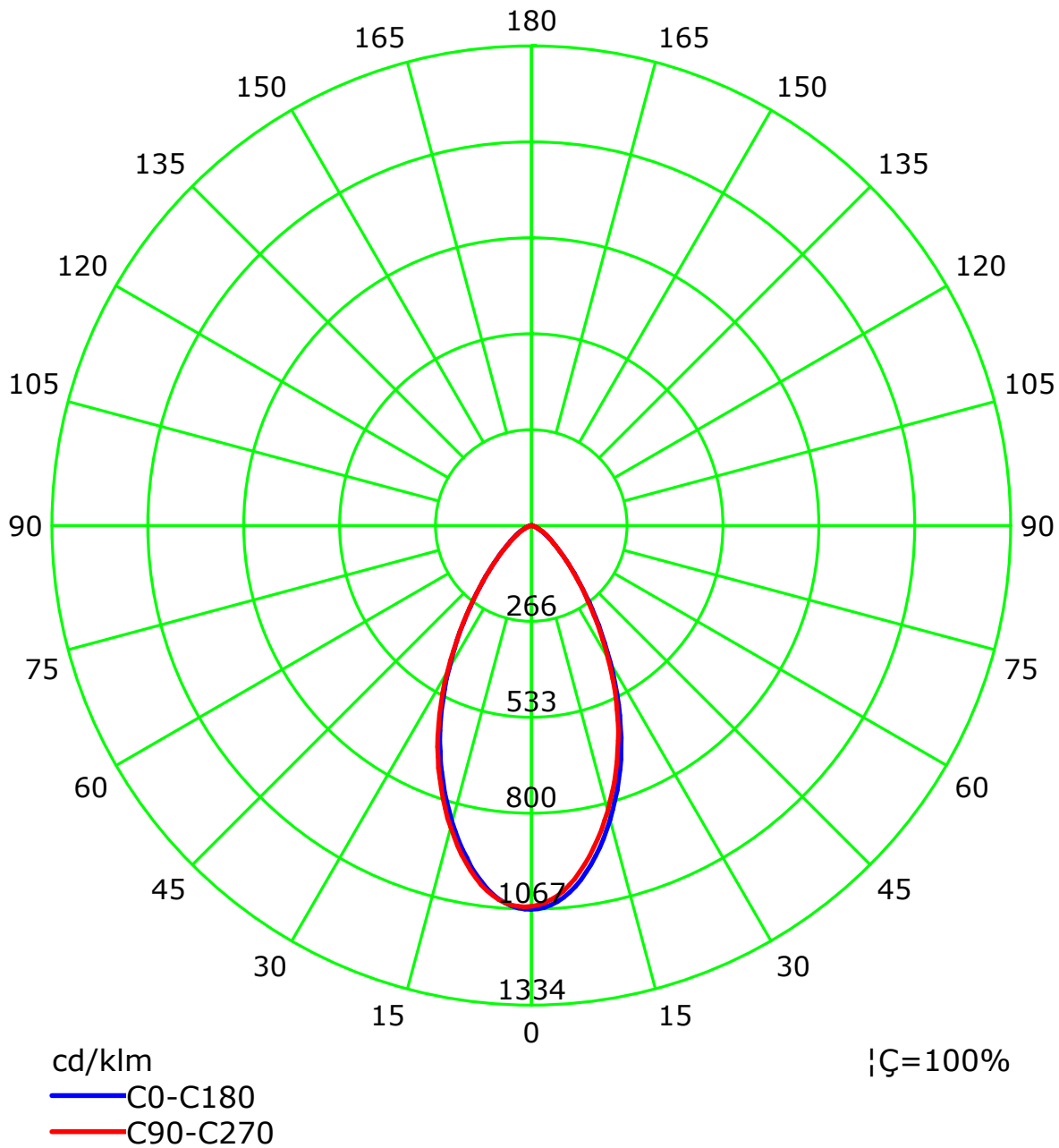
Luminous Intensity Distribution Curve



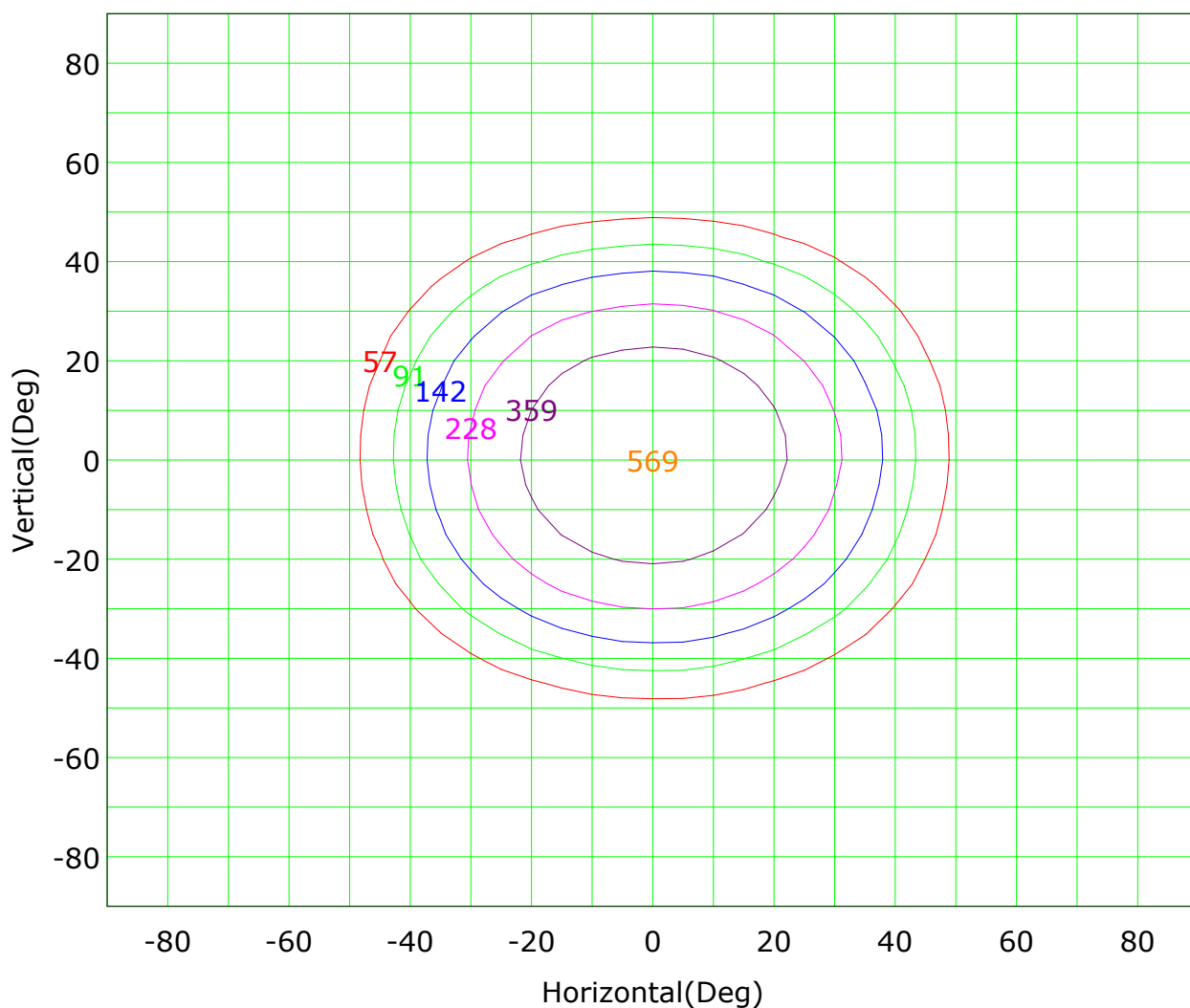
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

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

Luminous Intensity Distribution Curve(cd/klm)



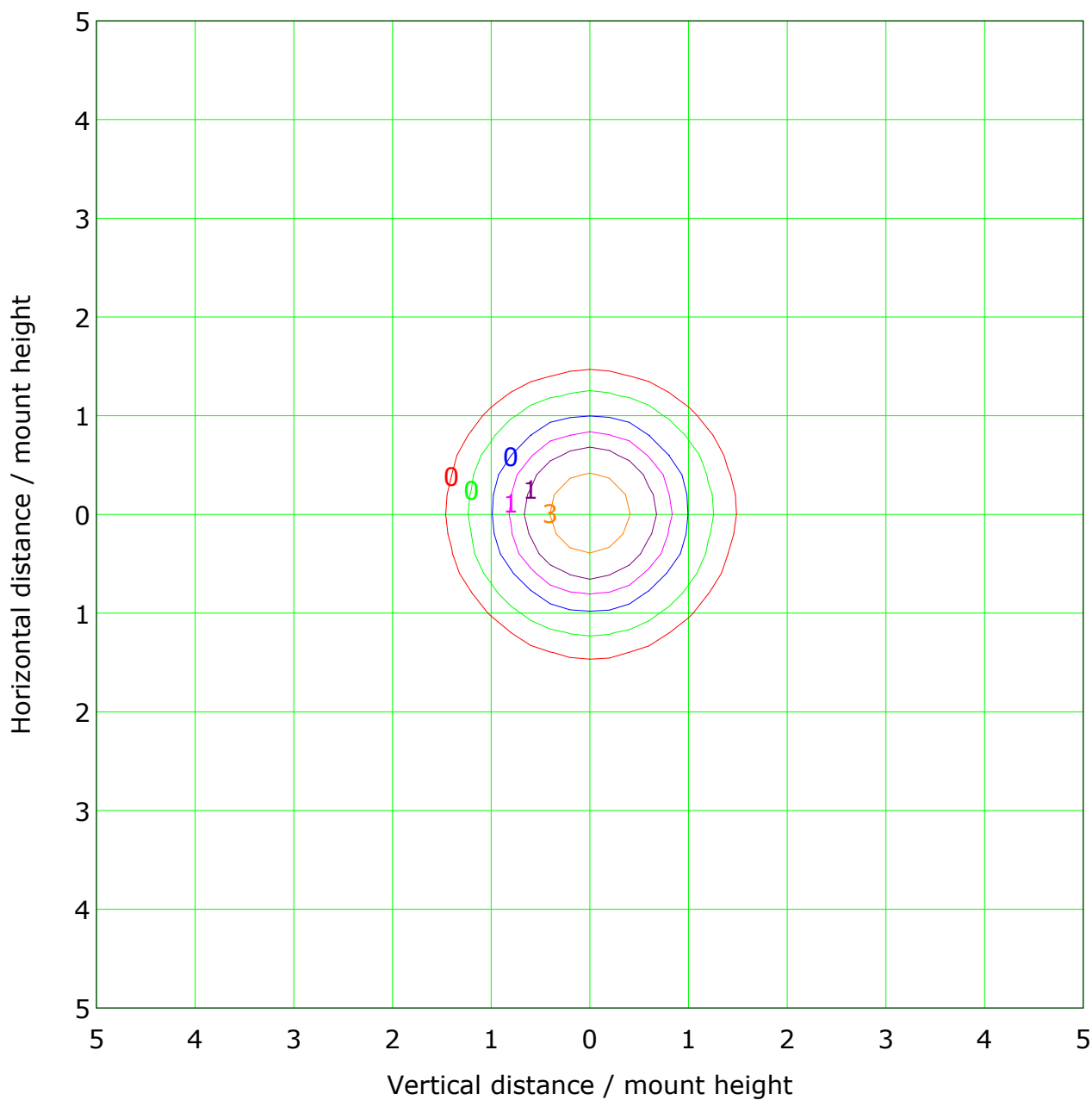
Isocandela (rectangle)



Imax (100%): 569 cd

(10%):	57 cd	(16%):	91 cd
(25%):	142 cd	(40%):	228 cd
(63%):	359 cd	(100%):	569 cd

IsoLux Plot



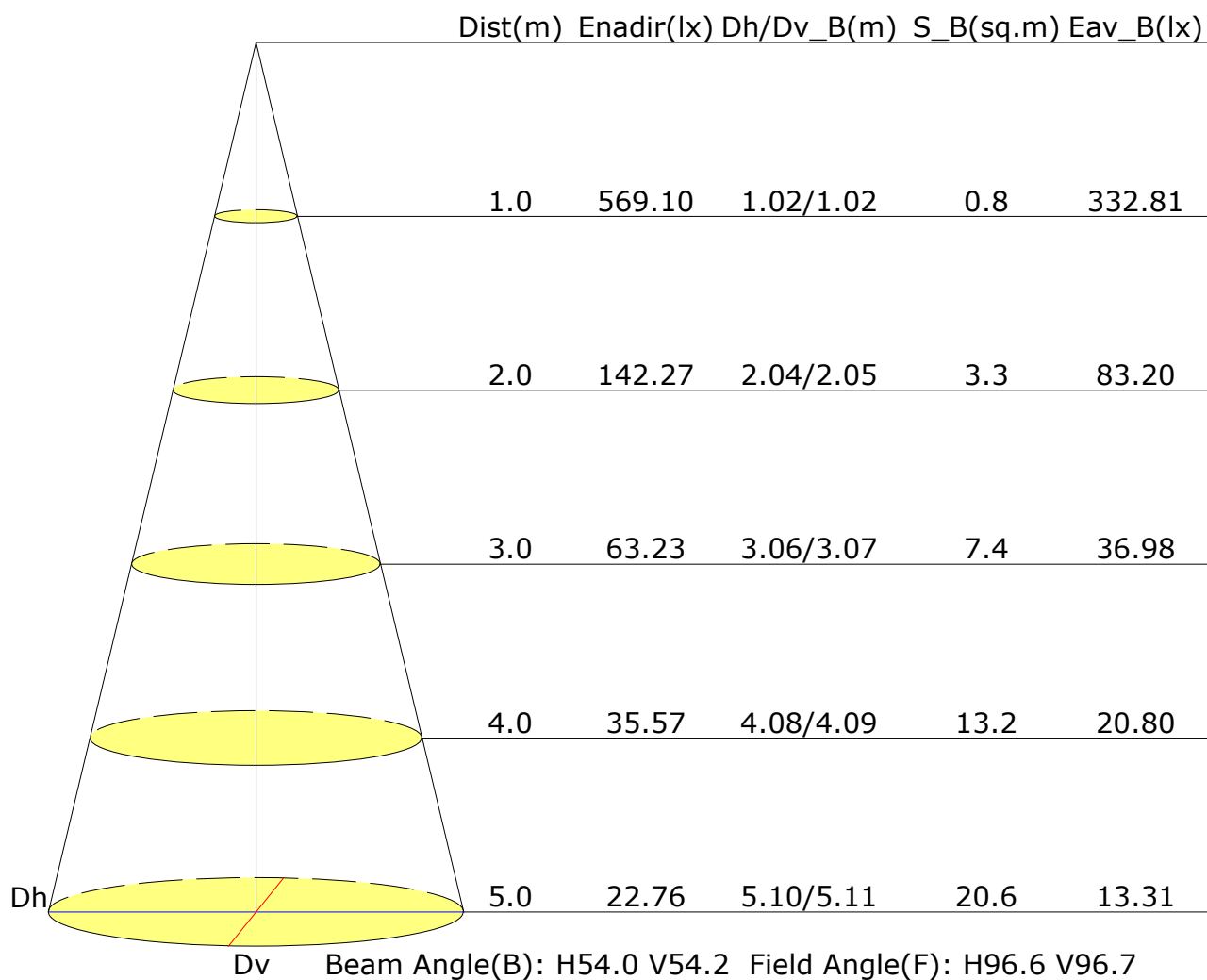
Mounting Height: 10.0m Max Lux(100%): 5.7 lx

(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.3 lx	(10%): 0.6 lx
(20%): 1.1 lx	(50%): 2.8 lx
(100%): 5.7 lx	

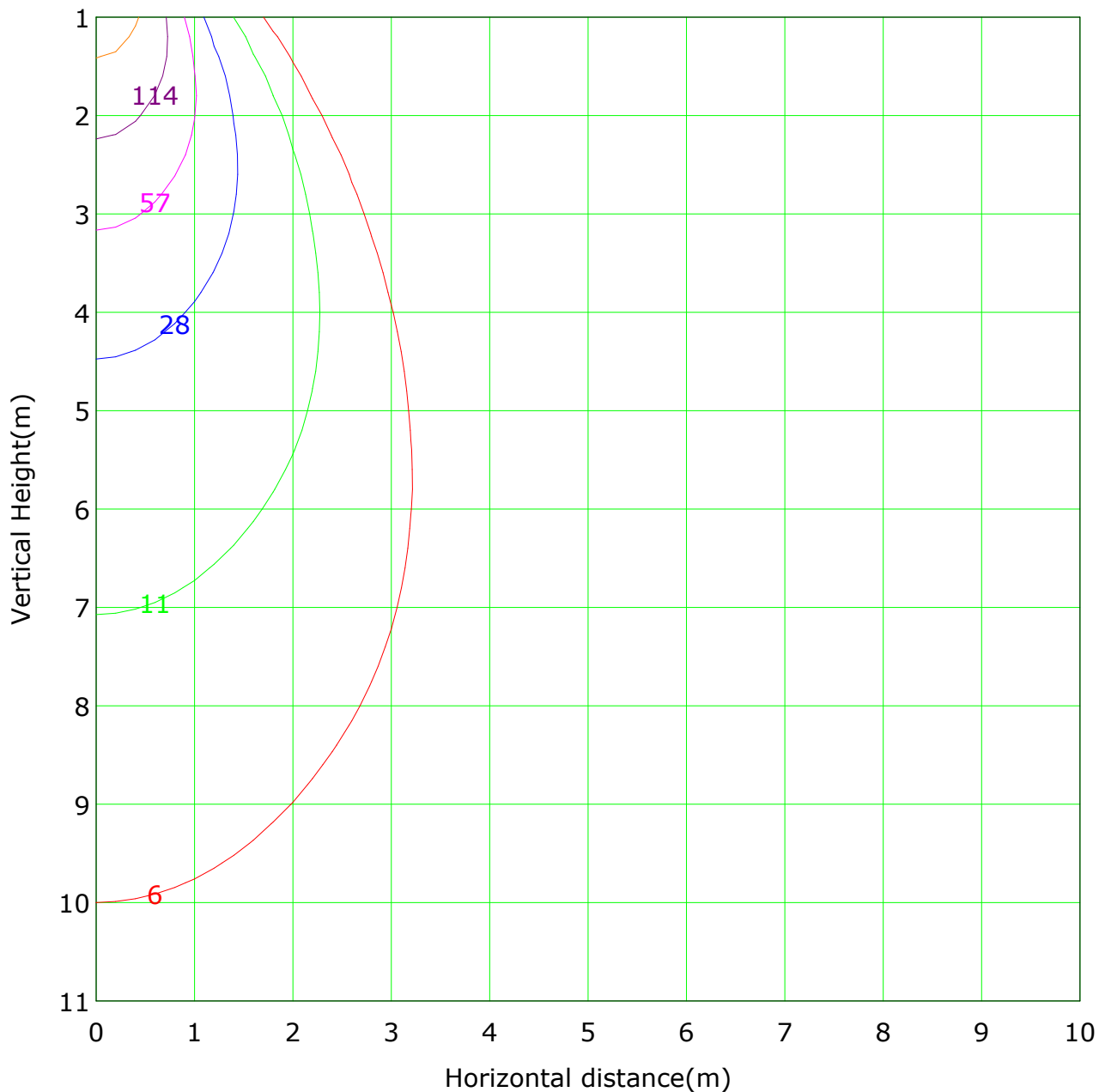
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

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

Illuminance at a Distance



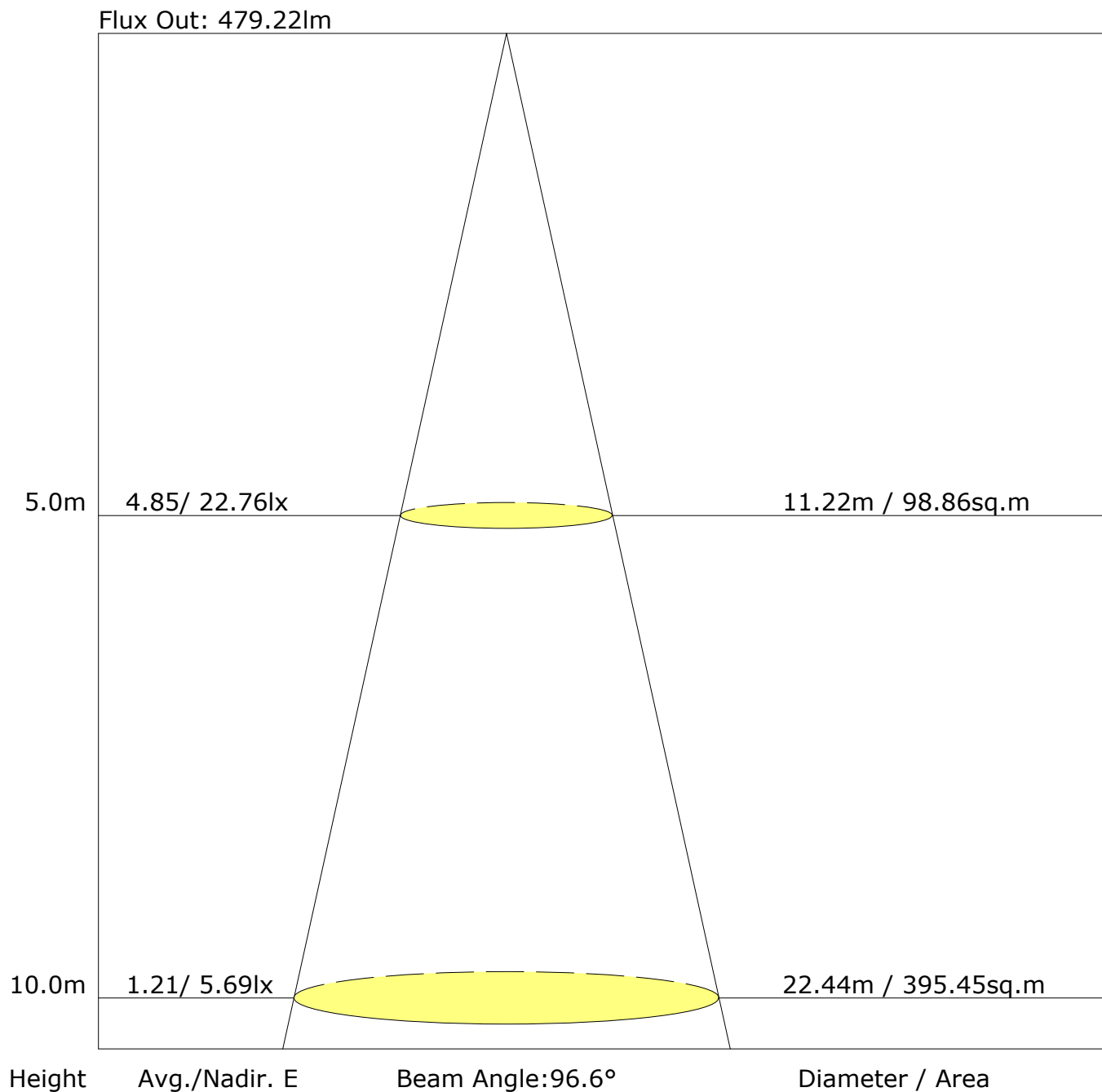
Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 569.1 lx

— (1%): 5.7 lx	— (2%): 11.4 lx
— (5%): 28.5 lx	— (10%): 56.9 lx
— (20%): 113.8 lx	— (50%): 284.5 lx
— (100%): 569.1 lx	

The Average Illuminance Effective Figure

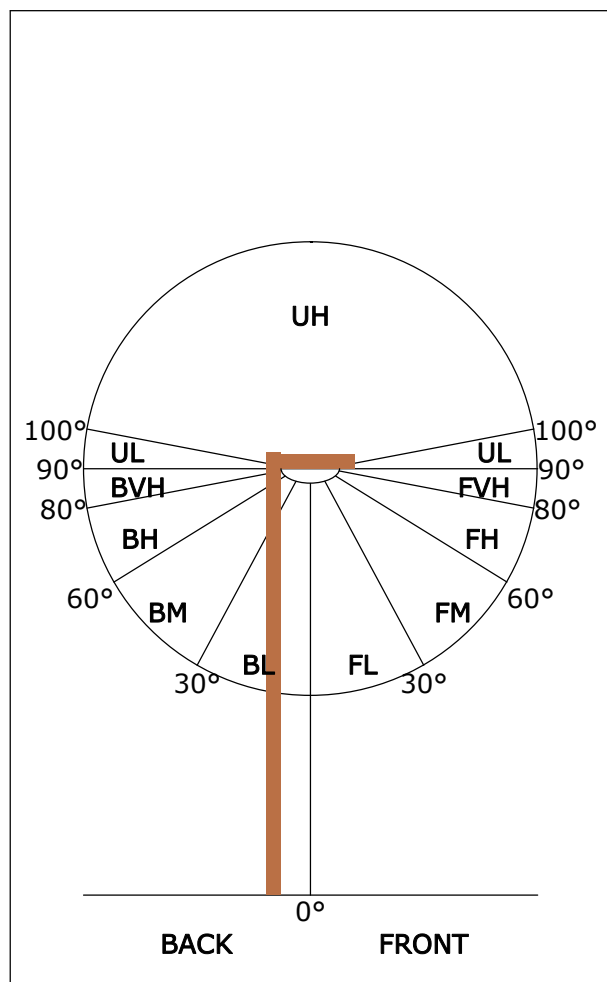


UGR Table

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.\$/6.0					-1.\$/6.2				
S=1.5H	-1.\$/8.3					-1.\$/8.5				
S=2.0H	-1.\$/10.3					-1.\$/10.4				

Calculate in accordance with CIE Pub.117. The table is revised with 533lm ($8\log(F/F_0) = -2.2$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



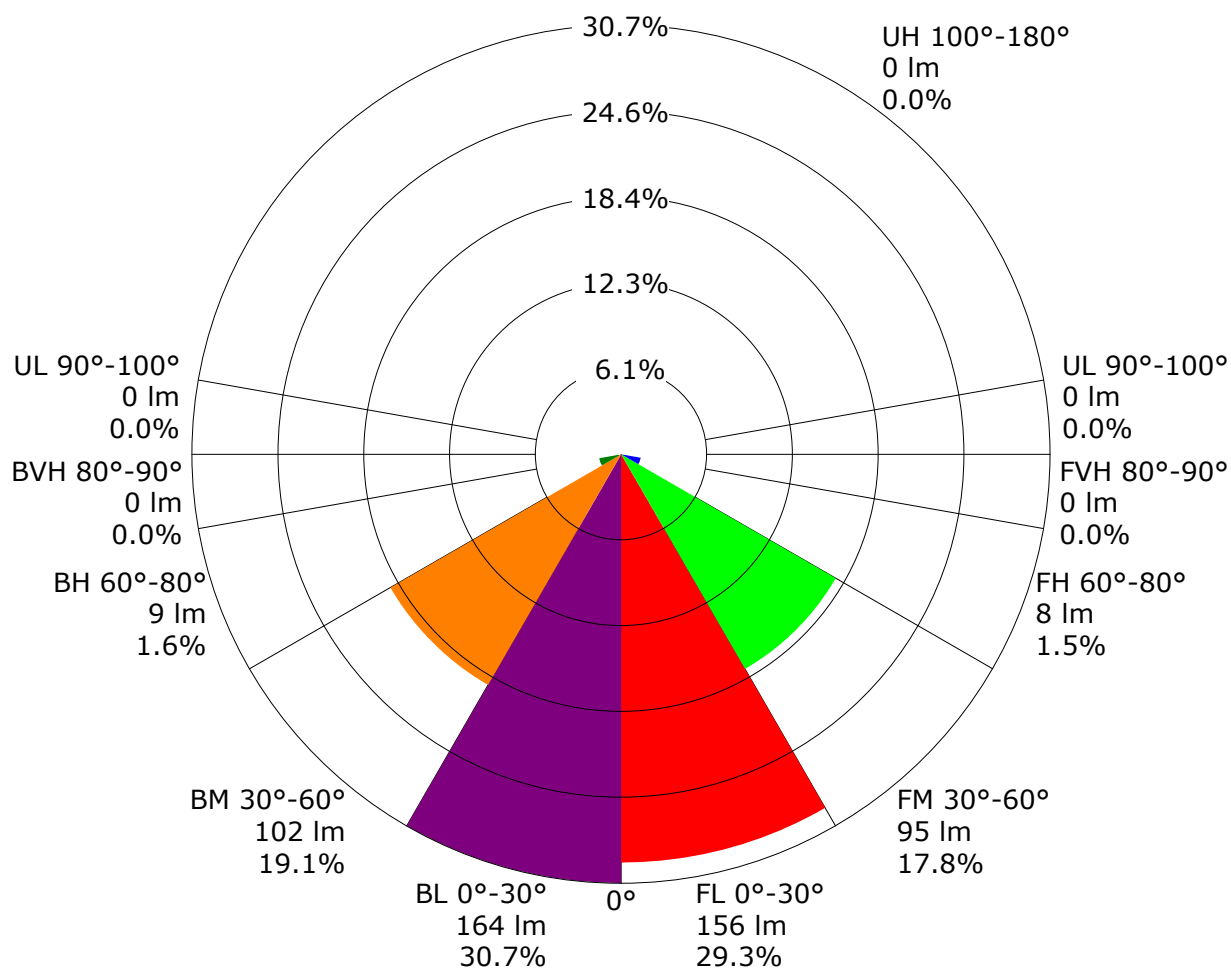
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	259	48.6
FL (0°-30°)	156	29.3
FM (30°-60°)	95	17.8
FH (60°-80°)	8	1.5
FVH (80°-90°)	0	0.0
BACK LIGHT	274	51.4
BL (0°-30°)	164	30.7
BM (30°-60°)	102	19.1
BH (60°-80°)	9	1.6
BVH (80°-90°)	0	0.0
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	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

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

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	564.6	0.5	0.5	0.10	0.10
1.0-2.0	563.6	1.6	2.2	0.30	0.40
2.0-3.0	561.3	2.7	4.8	0.50	0.91
3.0-4.0	557.8	3.7	8.6	0.70	1.61
4.0-5.0	553.2	4.8	13.3	0.89	2.50
5.0-6.0	547.3	5.8	19.1	1.08	3.58
6.0-7.0	540.4	6.7	25.8	1.26	4.84
7.0-8.0	532.5	7.6	33.4	1.43	6.27
8.0-9.0	523.5	8.5	41.9	1.59	7.86
9.0-10.0	513.9	9.3	51.2	1.74	9.60
10.0-11.0	503.4	10.1	61.3	1.89	11.49
11.0-12.0	492.4	10.8	72.0	2.02	13.51
12.0-13.0	481.3	11.4	83.5	2.14	15.65
13.0-14.0	469.3	12.0	95.5	2.25	17.91
14.0-15.0	457.0	12.5	108.0	2.35	20.26
15.0-16.0	444.5	13.0	121.0	2.44	22.70
16.0-17.0	431.7	13.4	134.5	2.52	25.23
17.0-18.0	419.0	13.8	148.3	2.59	27.82
18.0-19.0	405.7	14.1	162.4	2.65	30.47
19.0-20.0	392.1	14.4	176.8	2.69	33.16
20.0-21.0	378.8	14.5	191.3	2.73	35.89
21.0-22.0	364.8	14.7	206.0	2.75	38.64
22.0-23.0	350.6	14.7	220.7	2.76	41.40
23.0-24.0	336.3	14.7	235.4	2.76	44.15
24.0-25.0	321.6	14.6	250.0	2.74	46.90
25.0-26.0	307.1	14.5	264.5	2.72	49.62
26.0-27.0	292.1	14.3	278.8	2.68	52.30
27.0-28.0	276.9	14.0	292.8	2.63	54.93
28.0-29.0	262.2	13.7	306.6	2.57	57.50
29.0-30.0	247.1	13.3	319.9	2.50	60.00
30.0-31.0	232.3	12.9	332.8	2.42	62.43
31.0-32.0	217.7	12.5	345.3	2.34	64.77
32.0-33.0	203.5	12.0	357.3	2.25	67.02
33.0-34.0	190.4	11.5	368.8	2.16	69.18
34.0-35.0	177.1	11.0	379.8	2.06	71.24
35.0-36.0	164.3	10.5	390.3	1.96	73.21

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

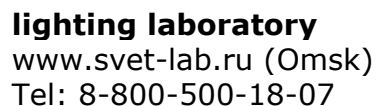
Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

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	152.5	9.9	400.2	1.87	75.07
37.0-38.0	141.0	9.4	409.6	1.77	76.84
38.0-39.0	130.5	8.9	418.6	1.67	78.51
39.0-40.0	120.4	8.4	426.9	1.58	80.08
40.0-41.0	110.9	7.9	434.8	1.48	81.56
41.0-42.0	102.4	7.4	442.3	1.40	82.96
42.0-43.0	94.1	7.0	449.3	1.31	84.27
43.0-44.0	86.4	6.5	455.8	1.22	85.49
44.0-45.0	79.4	6.1	461.9	1.15	86.64
45.0-46.0	72.8	5.7	467.6	1.07	87.70
46.0-47.0	66.9	5.3	472.9	1.00	88.70
47.0-48.0	61.2	5.0	477.9	0.93	89.63
48.0-49.0	56.0	4.6	482.5	0.86	90.49
49.0-50.0	51.5	4.3	486.8	0.81	91.30
50.0-51.0	47.2	4.0	490.7	0.75	92.05
51.0-52.0	43.3	3.7	494.5	0.70	92.75
52.0-53.0	39.9	3.5	497.9	0.65	93.40
53.0-54.0	36.7	3.2	501.2	0.61	94.00
54.0-55.0	33.9	3.0	504.2	0.57	94.57
55.0-56.0	31.3	2.8	507.0	0.53	95.10
56.0-57.0	28.9	2.6	509.7	0.49	95.60
57.0-58.0	26.6	2.5	512.1	0.46	96.06
58.0-59.0	24.4	2.3	514.4	0.43	96.49
59.0-60.0	22.3	2.1	516.5	0.40	96.88
60.0-61.0	20.3	1.9	518.5	0.36	97.25
61.0-62.0	18.4	1.8	520.2	0.33	97.58
62.0-63.0	16.7	1.6	521.9	0.31	97.89
63.0-64.0	15.1	1.5	523.4	0.28	98.16
64.0-65.0	13.5	1.3	524.7	0.25	98.42
65.0-66.0	12.2	1.2	525.9	0.23	98.64
66.0-67.0	10.9	1.1	527.0	0.20	98.85
67.0-68.0	9.7	1.0	528.0	0.18	99.03
68.0-69.0	8.6	0.9	528.9	0.16	99.20
69.0-70.0	7.5	0.8	529.6	0.14	99.34
70.0-71.0	6.6	0.7	530.3	0.13	99.47
71.0-72.0	5.7	0.6	530.9	0.11	99.58

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	569.1	568.4	568.1	567.4	567.0	566.3	566.0	565.4	565.2	564.7
G1.0	568.5	567.3	566.9	565.9	565.4	564.8	564.2	563.6	563.3	562.9
G2.0	566.7	565.4	564.9	563.7	562.9	561.8	561.5	560.7	560.5	560.0
G3.0	563.3	561.6	560.9	559.4	558.9	557.8	557.2	556.2	556.1	555.7
G4.0	559.1	557.2	556.3	554.3	553.5	552.4	552.3	550.9	551.0	550.7
G5.0	553.6	551.3	550.3	548.4	547.8	546.1	546.1	544.7	545.1	544.5
G6.0	546.7	543.7	543.0	540.6	540.0	538.4	538.2	536.7	537.5	536.3
G7.0	539.2	536.4	534.9	533.0	531.8	530.0	529.9	528.8	529.3	528.4
G8.0	530.7	527.3	526.5	523.2	523.5	520.4	521.2	519.0	519.9	518.5
G9.0	520.7	517.4	515.9	513.6	512.8	510.9	510.2	508.7	509.4	508.2
G10.0	510.7	507.8	506.2	503.1	502.8	500.2	500.1	498.5	498.8	498.0
G11.0	499.3	495.8	494.2	491.7	491.2	488.5	487.8	486.4	487.2	486.0
G12.0	488.5	484.9	483.4	480.9	479.6	476.9	476.7	475.4	476.2	474.6
G13.0	476.6	473.1	471.6	469.2	468.3	465.2	465.6	463.8	464.3	463.3
G14.0	464.0	459.9	459.2	455.9	455.0	452.7	452.6	450.6	451.1	450.0
G15.0	451.7	448.0	447.2	443.8	443.0	440.8	440.3	438.6	439.1	438.2
G16.0	438.4	434.1	433.3	429.9	429.2	427.1	427.2	425.2	425.3	424.4
G17.0	425.5	421.6	420.9	417.5	417.2	414.9	414.9	412.5	413.2	412.3
G18.0	412.9	408.9	407.7	404.1	404.1	401.8	401.9	400.0	400.9	399.7
G19.0	398.3	394.2	393.7	390.3	390.3	387.9	388.2	385.8	386.6	385.2
G20.0	385.0	381.1	380.0	377.3	376.8	374.4	374.7	372.9	373.8	372.3
G21.0	371.5	365.7	366.6	362.0	363.5	359.8	361.6	357.9	359.9	357.5
G22.0	355.7	352.0	351.0	348.4	348.0	345.9	346.4	344.6	345.6	344.3
G23.0	341.8	337.3	337.1	334.1	334.5	332.4	332.7	330.6	332.3	330.5
G24.0	325.5	321.9	321.8	318.8	319.4	316.9	317.6	315.7	316.8	315.9
G25.0	311.0	306.9	306.7	303.9	304.8	302.9	303.3	301.2	302.4	301.4
G26.0	295.9	292.5	292.3	289.5	290.6	288.6	289.5	287.2	288.5	287.5
G27.0	280.0	276.3	275.5	273.0	274.3	272.4	273.6	271.6	273.2	272.3
G28.0	264.8	261.1	261.2	258.8	260.0	258.3	259.0	257.1	258.6	257.6
G29.0	250.4	245.5	246.3	243.2	245.3	242.5	245.0	242.1	244.7	241.8
G30.0	234.8	230.8	231.0	228.8	230.1	228.8	229.7	227.9	228.9	228.1
G31.0	220.1	217.1	217.1	214.6	216.4	214.6	215.4	214.5	215.3	214.7
G32.0	205.3	202.1	201.9	200.1	201.3	200.1	201.0	199.5	200.9	200.0
G33.0	191.8	189.2	189.2	187.3	188.4	186.5	187.6	186.6	188.0	187.5
G34.0	179.3	176.7	176.2	174.4	175.4	174.1	175.2	174.4	175.9	174.7
G35.0	166.2	163.1	163.2	161.4	162.4	160.9	162.1	161.0	162.6	161.8
G36.0	154.3	151.6	151.5	150.2	151.1	149.1	150.2	149.9	151.4	150.9

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 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	143.3	139.5	140.9	138.1	139.9	137.6	139.6	138.3	140.5	139.0
G38.0	131.6	129.5	129.9	127.8	129.0	127.2	128.7	128.0	129.7	129.3
G39.0	122.1	119.6	120.0	118.6	119.2	118.0	118.9	118.2	120.2	119.6
G40.0	112.2	110.0	110.2	109.2	109.5	108.5	109.2	108.9	110.2	110.0
G41.0	103.2	101.7	101.7	100.6	101.3	100.0	100.6	100.3	102.0	102.0
G42.0	95.3	93.6	94.0	92.9	93.4	92.6	93.0	92.7	94.0	93.9
G43.0	87.0	85.7	86.2	85.2	85.6	84.4	85.3	85.0	86.2	86.1
G44.0	80.5	78.7	79.2	78.6	78.8	77.9	78.4	78.5	79.7	79.6
G45.0	73.9	71.9	73.1	71.6	72.6	71.1	72.2	71.5	73.3	72.5
G46.0	67.5	66.1	66.9	66.1	66.5	65.6	66.0	65.8	67.1	67.0
G47.0	61.9	60.9	61.4	60.5	60.9	60.2	60.6	60.7	61.6	61.9
G48.0	56.5	55.4	56.0	55.3	55.6	55.0	55.3	55.3	56.4	56.3
G49.0	51.8	51.0	51.5	50.8	51.2	50.5	51.0	51.1	52.0	52.0
G50.0	47.7	46.8	47.2	46.8	47.1	46.6	47.0	46.9	47.9	47.8
G51.0	43.6	42.8	43.2	42.9	42.9	42.6	43.2	43.0	43.8	44.0
G52.0	40.2	39.6	39.8	39.6	39.5	39.2	39.8	39.8	40.6	40.7
G53.0	37.3	36.3	37.0	36.1	36.3	35.9	36.7	36.5	37.6	37.4
G54.0	34.4	33.8	34.0	33.4	33.3	33.2	33.9	34.1	34.6	34.8
G55.0	32.0	31.3	31.4	30.8	30.7	30.6	31.6	31.7	32.3	32.5
G56.0	29.4	28.8	28.7	28.0	28.0	28.1	29.1	29.4	29.9	30.0
G57.0	27.3	26.4	26.3	25.6	25.6	26.0	27.1	27.4	27.9	28.1
G58.0	25.1	24.2	24.0	23.3	23.2	23.6	25.1	25.5	26.1	26.2
G59.0	22.8	21.7	21.6	20.9	20.9	21.3	22.8	23.5	24.1	24.1
G60.0	20.7	19.9	19.7	19.0	18.8	19.2	20.9	21.8	22.4	22.3
G61.0	18.5	17.8	17.7	16.9	16.8	17.1	18.8	19.9	20.4	20.3
G62.0	16.8	16.3	16.0	15.3	15.1	15.3	16.9	18.3	18.7	18.6
G63.0	15.2	14.7	14.5	13.7	13.7	13.8	15.3	16.5	17.1	16.9
G64.0	13.5	13.3	13.0	12.3	12.3	12.2	13.5	14.8	15.3	15.1
G65.0	12.2	11.9	11.7	11.0	11.0	11.0	12.1	13.2	13.8	13.6
G66.0	10.9	10.7	10.6	9.9	10.0	9.8	10.8	11.7	12.4	11.9
G67.0	9.7	9.6	9.4	8.9	9.0	8.7	9.5	10.4	10.8	10.4
G68.0	8.8	8.6	8.4	8.0	8.1	7.8	8.5	9.2	9.4	9.1
G69.0	7.8	7.6	7.3	7.0	7.1	6.9	7.5	8.1	8.1	7.8
G70.0	7.0	6.6	6.4	6.1	6.4	6.1	6.7	7.1	7.0	6.8
G71.0	6.1	6.0	5.6	5.4	5.6	5.4	5.8	6.1	5.9	5.8
G72.0	5.2	5.1	4.8	4.5	4.7	4.5	5.0	5.1	4.9	4.8
G73.0	4.5	4.2	4.1	3.9	4.1	3.8	4.3	4.3	4.1	4.1

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	564.2	563.7	563.2	562.4	562.0	561.7	561.6	561.5	569.1	568.4
G1.0	562.7	561.9	561.1	560.5	560.4	560.1	560.6	560.5	568.9	568.5
G2.0	559.9	559.1	558.4	557.5	557.8	557.8	558.7	559.0	567.6	567.4
G3.0	555.7	554.8	553.8	553.0	553.7	553.7	555.3	555.9	564.9	565.2
G4.0	550.7	549.6	548.6	547.8	548.8	549.2	550.7	551.7	560.9	561.7
G5.0	544.8	543.4	542.3	541.4	542.8	543.0	545.4	546.1	556.2	557.1
G6.0	537.0	535.7	534.7	533.6	535.1	535.8	538.4	539.5	549.7	550.5
G7.0	529.2	527.3	526.2	525.1	527.1	527.8	530.7	532.0	542.4	543.7
G8.0	520.0	517.7	517.3	515.2	518.0	518.5	522.0	522.8	533.4	535.7
G9.0	509.5	507.6	506.1	505.0	507.4	508.7	512.0	513.3	524.1	526.0
G10.0	498.9	497.2	496.0	494.6	497.3	498.8	501.7	503.6	514.2	516.2
G11.0	487.6	485.1	483.8	482.5	485.4	487.0	490.5	491.9	502.3	504.9
G12.0	476.2	474.3	472.7	471.5	474.5	476.2	479.3	481.2	491.5	494.0
G13.0	464.8	462.4	460.8	459.8	463.2	464.1	468.0	469.4	479.8	482.1
G14.0	451.4	449.6	448.3	447.1	450.0	451.5	455.4	456.8	467.2	469.5
G15.0	439.8	437.2	435.7	434.7	437.5	439.2	442.8	444.5	455.3	457.4
G16.0	425.9	423.9	422.6	421.4	424.3	426.0	429.8	431.3	441.9	445.3
G17.0	413.9	411.5	410.7	408.6	411.6	413.5	417.1	418.4	429.0	432.0
G18.0	401.2	399.2	397.8	396.3	399.3	400.6	404.6	406.0	416.6	419.0
G19.0	387.4	384.8	384.2	382.7	385.0	386.8	390.5	392.3	402.2	405.1
G20.0	373.9	372.1	371.1	369.5	372.3	373.5	377.6	379.2	389.3	392.1
G21.0	361.0	357.4	358.1	354.9	359.5	358.7	364.0	365.4	376.3	379.0
G22.0	346.9	344.4	343.2	341.7	344.8	346.0	349.7	351.9	361.3	364.0
G23.0	333.0	330.9	330.0	328.1	331.7	332.3	336.8	338.1	347.9	350.7
G24.0	318.3	316.4	314.8	313.4	316.6	317.6	321.6	323.5	333.1	336.5
G25.0	303.9	302.1	301.3	300.0	303.0	303.5	307.6	309.9	318.7	321.4
G26.0	290.0	288.3	287.3	285.9	289.3	289.9	294.1	295.5	304.8	307.8
G27.0	274.3	273.0	272.4	270.9	273.8	274.6	279.0	280.4	288.9	291.9
G28.0	260.6	258.6	258.1	256.6	259.5	260.2	264.6	265.8	274.9	277.9
G29.0	246.6	243.7	244.4	241.9	246.0	245.3	250.9	250.7	260.3	263.0
G30.0	230.9	230.2	229.6	228.5	231.2	231.8	235.8	236.5	244.6	247.5
G31.0	217.5	216.2	215.9	214.9	217.4	217.8	221.6	223.0	230.8	233.0
G32.0	202.5	201.4	201.7	200.9	203.2	203.0	207.2	208.1	216.0	217.7
G33.0	189.9	188.8	188.5	187.7	190.1	190.5	194.0	195.3	202.8	204.6
G34.0	177.2	176.6	176.2	175.5	177.9	178.1	181.8	182.8	189.3	191.6
G35.0	164.3	163.1	163.3	162.1	165.1	164.7	168.1	169.1	175.8	177.3
G36.0	153.1	151.6	151.6	150.9	153.1	153.5	156.7	157.4	163.4	165.4

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 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	142.0	140.1	140.9	139.2	142.6	141.9	145.3	145.4	151.0	153.4
G38.0	131.0	129.6	129.5	128.7	131.3	131.5	134.0	134.5	140.3	141.5
G39.0	121.2	119.8	120.0	119.0	121.6	122.1	124.4	124.3	129.6	131.2
G40.0	111.5	110.3	110.3	109.5	111.9	111.9	114.1	114.5	119.3	120.7
G41.0	102.9	101.7	101.7	101.5	103.1	103.8	105.6	106.0	109.8	111.7
G42.0	95.3	94.1	94.1	93.3	95.4	95.5	97.8	97.6	101.6	103.0
G43.0	87.3	86.3	85.9	85.5	87.4	87.5	89.3	89.5	93.0	94.4
G44.0	80.4	79.7	79.3	79.0	80.4	80.7	82.5	82.6	85.5	86.8
G45.0	74.3	72.9	73.1	72.0	74.1	73.9	75.7	75.3	78.1	80.1
G46.0	68.1	67.1	66.6	66.3	67.7	67.9	69.3	69.3	71.9	72.9
G47.0	62.5	61.8	61.4	61.1	62.4	62.6	63.8	63.9	66.0	67.2
G48.0	57.3	56.4	56.2	55.8	57.0	57.0	58.3	58.3	60.2	61.4
G49.0	52.8	52.1	51.7	51.5	52.6	52.5	53.5	53.6	55.2	56.2
G50.0	48.5	47.8	47.7	47.5	48.3	48.4	49.3	49.2	50.9	51.8
G51.0	44.6	44.0	43.8	43.4	44.2	44.2	45.2	45.1	46.6	47.3
G52.0	41.3	40.6	40.3	40.1	40.6	40.8	41.6	41.7	43.0	43.6
G53.0	38.2	37.4	37.4	36.8	37.6	37.5	38.5	38.3	39.4	40.3
G54.0	35.2	34.6	34.4	34.1	34.6	34.7	35.5	35.6	36.6	37.0
G55.0	32.8	32.2	32.0	31.5	31.9	31.9	32.7	32.9	33.9	34.4
G56.0	30.3	29.8	29.5	28.9	29.1	29.2	30.1	30.4	31.4	31.8
G57.0	28.4	27.7	27.2	26.6	26.6	26.7	27.6	28.1	29.2	29.6
G58.0	26.4	25.8	25.0	24.3	24.2	24.3	25.2	25.7	27.1	27.6
G59.0	24.2	23.7	22.7	21.8	21.8	21.8	22.9	23.3	24.9	25.5
G60.0	22.5	21.7	20.6	19.7	20.0	19.9	20.7	21.1	22.7	23.6
G61.0	20.7	19.4	18.3	17.6	17.9	17.7	18.5	18.9	20.5	21.9
G62.0	18.9	17.6	16.5	16.1	16.2	16.1	16.8	17.1	18.6	19.8
G63.0	16.9	15.6	14.9	14.6	14.7	14.6	15.1	15.5	16.8	18.1
G64.0	15.0	13.8	13.3	13.2	13.0	13.0	13.6	13.9	15.0	16.3
G65.0	13.3	12.4	12.0	12.0	11.7	11.9	12.3	12.5	13.5	14.6
G66.0	11.8	10.9	10.8	10.7	10.6	10.6	11.1	11.1	12.1	13.1
G67.0	10.4	9.8	9.6	9.7	9.5	9.6	10.0	10.0	10.8	11.5
G68.0	9.3	8.7	8.6	8.7	8.4	8.7	9.0	9.0	9.7	10.3
G69.0	8.1	7.7	7.7	7.8	7.4	7.6	8.0	8.0	8.6	9.1
G70.0	7.1	6.8	6.8	6.9	6.6	6.8	7.1	7.1	7.6	8.0
G71.0	6.1	6.0	6.0	6.1	5.8	6.0	6.3	6.3	6.8	7.2
G72.0	5.2	5.2	5.1	5.2	4.9	5.1	5.4	5.2	6.0	6.2
G73.0	4.4	4.4	4.4	4.4	4.2	4.3	4.7	4.5	5.2	5.3

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 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	568.1	567.4	567.0	566.3	566.0	565.4	565.2	564.7	564.2	563.7
G1.0	568.3	568.0	567.6	567.3	566.8	566.4	565.9	565.6	564.9	564.5
G2.0	567.3	567.2	566.8	566.7	566.1	565.9	565.4	565.1	564.4	564.1
G3.0	565.0	565.0	564.8	564.8	564.3	564.4	563.8	563.6	562.6	562.5
G4.0	561.5	562.2	561.6	562.0	561.4	561.5	561.0	561.1	559.8	559.9
G5.0	556.8	557.6	557.3	557.7	557.7	557.8	557.1	557.2	555.7	555.9
G6.0	550.6	551.4	551.6	552.4	551.8	552.2	551.3	551.7	550.2	550.5
G7.0	543.9	544.9	545.1	546.0	545.4	546.1	545.0	545.5	543.8	544.4
G8.0	535.3	537.3	537.0	539.0	537.4	538.9	537.0	537.9	535.7	537.0
G9.0	526.3	528.2	528.8	529.7	529.3	530.0	528.6	529.1	527.4	528.5
G10.0	516.4	518.9	519.1	520.7	519.9	520.7	519.7	519.9	518.3	519.2
G11.0	505.5	507.7	508.4	510.0	509.3	510.3	509.2	509.3	507.7	508.9
G12.0	494.4	497.2	497.4	499.2	498.7	500.0	498.5	499.0	496.9	498.7
G13.0	483.4	486.3	486.7	488.4	488.0	488.8	487.6	487.7	486.4	487.5
G14.0	470.3	473.4	473.9	475.6	475.2	476.3	474.6	475.5	473.6	475.6
G15.0	458.4	461.9	462.2	464.4	463.6	464.3	462.9	463.4	461.9	463.5
G16.0	445.2	449.3	449.0	452.1	450.7	452.7	450.0	451.6	448.9	451.8
G17.0	433.2	436.0	436.8	439.1	438.7	439.6	437.4	438.4	436.9	438.3
G18.0	420.0	422.8	424.1	426.4	426.2	426.9	425.1	425.5	423.9	426.1
G19.0	406.2	408.9	410.6	412.7	412.5	413.0	410.6	411.5	409.4	412.3
G20.0	392.7	396.1	397.9	400.1	399.2	399.7	398.1	398.5	396.5	398.7
G21.0	379.7	383.2	384.3	387.1	386.2	386.6	385.0	385.3	383.3	385.5
G22.0	365.3	368.3	369.8	372.6	371.7	372.2	369.9	370.2	368.6	370.6
G23.0	351.3	354.9	356.4	358.7	357.5	358.6	356.3	356.6	354.1	357.0
G24.0	336.1	340.8	340.8	345.0	342.5	344.1	341.0	341.9	338.7	342.5
G25.0	322.4	325.9	327.0	329.2	328.3	328.9	326.2	326.5	323.7	326.9
G26.0	307.8	312.0	312.3	315.1	313.5	314.0	311.8	311.4	309.1	311.8
G27.0	292.5	295.7	296.8	298.7	297.8	298.1	295.8	295.5	293.3	295.7
G28.0	278.3	281.4	281.7	284.2	283.1	283.5	280.4	280.7	278.6	280.3
G29.0	263.3	266.2	267.2	269.8	268.1	268.4	265.7	265.9	263.2	265.8
G30.0	247.3	249.9	250.8	253.3	251.9	251.7	249.0	248.4	246.4	249.0
G31.0	233.4	235.8	236.7	239.0	236.9	237.3	234.0	233.8	232.0	234.7
G32.0	217.8	220.7	220.8	223.0	221.4	221.1	218.6	218.5	216.0	218.6
G33.0	204.4	207.1	207.2	208.8	207.5	207.5	205.0	204.2	202.4	204.9
G34.0	191.5	193.5	194.0	195.5	194.1	194.4	191.1	191.0	189.2	191.8
G35.0	177.7	179.0	179.6	181.4	179.5	179.7	177.2	177.1	175.3	177.3
G36.0	165.1	167.0	167.4	168.3	167.3	167.4	164.4	164.4	162.6	165.0

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	152.1	155.5	154.2	156.5	153.8	154.9	151.8	152.9	149.5	153.2
G38.0	141.4	143.5	143.3	144.1	142.6	142.8	140.9	140.9	138.7	140.7
G39.0	131.3	132.6	132.9	133.6	132.1	132.3	130.3	130.1	128.6	130.4
G40.0	120.5	122.1	121.9	122.7	121.3	121.4	119.7	119.8	117.8	119.8
G41.0	111.7	113.2	112.9	113.2	111.8	111.8	110.8	110.8	108.9	110.4
G42.0	103.2	104.3	104.3	104.3	103.2	103.3	101.8	102.0	100.5	102.0
G43.0	94.3	95.8	95.2	95.5	94.0	94.2	93.1	93.3	91.7	93.0
G44.0	87.1	88.1	88.0	88.1	86.5	86.7	85.4	85.7	84.4	85.8
G45.0	79.5	81.1	80.3	80.8	78.8	79.8	78.1	78.9	76.8	78.7
G46.0	73.4	74.3	73.9	73.9	72.6	72.4	71.9	72.0	70.8	71.7
G47.0	67.6	68.2	68.1	68.0	66.7	66.5	65.7	65.8	65.1	66.0
G48.0	61.6	62.3	61.9	61.8	60.5	60.7	59.9	60.1	59.0	60.1
G49.0	56.7	57.1	57.0	56.8	55.7	55.5	55.0	55.1	54.2	55.1
G50.0	51.9	52.5	52.2	52.1	51.0	51.0	50.5	50.5	49.7	50.5
G51.0	47.5	47.9	47.7	47.7	46.7	46.5	46.0	45.8	45.5	46.1
G52.0	43.6	44.3	43.8	43.7	42.7	42.8	42.2	42.1	41.7	42.4
G53.0	40.1	40.7	40.2	40.2	39.2	39.4	38.5	38.8	38.2	39.0
G54.0	37.1	37.5	37.0	36.9	36.2	36.0	35.5	35.5	35.0	35.6
G55.0	34.3	34.7	34.2	34.0	33.5	33.3	32.5	32.6	32.2	32.9
G56.0	31.8	32.0	31.4	31.2	30.7	30.5	29.6	29.6	29.3	30.0
G57.0	29.6	29.8	29.1	29.0	28.4	28.1	27.2	27.3	26.9	27.6
G58.0	27.5	27.6	27.0	26.7	26.1	25.8	25.0	25.0	24.6	25.3
G59.0	25.5	25.4	24.7	24.5	23.7	23.4	22.5	22.5	22.3	22.8
G60.0	23.7	23.5	22.8	22.4	21.6	21.3	20.6	20.7	20.2	20.7
G61.0	21.8	21.6	20.8	20.4	19.5	19.6	18.7	18.9	18.4	18.9
G62.0	20.0	19.7	19.0	18.4	17.8	17.7	17.1	17.1	16.7	16.9
G63.0	18.5	18.1	17.2	16.6	16.0	16.2	15.5	15.6	15.1	15.4
G64.0	16.7	16.3	15.4	15.0	14.5	14.7	14.0	13.9	13.6	13.8
G65.0	15.0	14.7	13.8	13.4	13.1	13.4	12.7	12.7	12.3	12.5
G66.0	13.5	13.2	12.4	12.1	11.8	12.1	11.5	11.5	11.1	11.2
G67.0	11.9	11.7	10.9	10.6	10.5	10.9	10.3	10.4	9.9	9.9
G68.0	10.5	10.4	9.7	9.6	9.5	9.9	9.2	9.3	8.9	9.0
G69.0	9.1	9.1	8.6	8.4	8.4	8.8	8.0	8.1	7.9	8.0
G70.0	7.9	7.9	7.6	7.5	7.5	7.7	7.1	7.1	7.0	7.0
G71.0	6.9	6.8	6.7	6.6	6.7	6.8	6.2	6.3	6.1	6.2
G72.0	5.9	5.8	5.8	5.7	5.8	5.8	5.3	5.3	5.3	5.3
G73.0	5.0	4.9	4.9	4.9	5.0	5.0	4.5	4.6	4.5	4.6

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 9)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G0.0	563.2	562.4	562.0	561.7	561.6	561.5	569.1			
G1.0	563.8	563.2	562.6	561.8	561.5	561.2	568.5			
G2.0	563.5	563.1	562.0	561.3	560.5	559.6	566.7			
G3.0	562.3	561.7	560.2	559.1	557.9	557.0	563.3			
G4.0	559.7	558.8	557.1	556.1	554.4	553.1	559.1			
G5.0	555.7	555.2	553.0	552.0	549.6	548.2	553.6			
G6.0	550.4	549.5	547.1	545.8	543.4	541.6	546.7			
G7.0	544.4	543.6	541.2	539.6	536.5	534.6	539.2			
G8.0	536.8	537.0	533.4	532.1	528.3	526.8	530.7			
G9.0	528.8	528.6	525.2	523.3	519.5	517.4	520.7			
G10.0	520.2	519.7	516.4	513.9	510.5	507.8	510.7			
G11.0	509.3	509.4	505.6	503.5	499.7	496.9	499.3			
G12.0	499.5	498.9	495.7	493.3	489.0	485.9	488.5			
G13.0	488.6	488.5	484.5	482.2	477.8	475.0	476.6			
G14.0	476.6	476.7	472.5	470.3	465.5	462.8	464.0			
G15.0	465.2	465.2	460.7	458.3	454.0	450.8	451.7			
G16.0	452.0	453.6	447.9	446.7	440.9	439.1	438.4			
G17.0	440.1	439.9	435.9	432.9	428.3	425.2	425.5			
G18.0	427.4	427.8	423.0	420.4	415.9	412.9	412.9			
G19.0	413.7	413.6	409.1	406.7	401.3	399.0	398.3			
G20.0	400.9	400.7	396.4	393.0	388.5	385.6	385.0			
G21.0	387.9	387.4	382.6	379.8	375.4	372.3	371.5			
G22.0	372.3	372.7	367.8	365.1	360.0	357.5	355.7			
G23.0	358.6	358.4	354.1	351.1	346.3	343.3	341.8			
G24.0	342.5	344.6	338.3	337.3	331.0	329.4	325.5			
G25.0	328.3	329.2	324.2	322.1	316.3	313.1	311.0			
G26.0	313.8	314.1	309.9	307.2	302.1	298.9	295.9			
G27.0	297.2	298.2	293.4	291.3	285.6	283.1	280.0			
G28.0	282.6	283.0	278.9	276.0	271.2	268.1	264.8			
G29.0	268.1	268.5	263.6	261.5	256.8	253.8	250.4			
G30.0	250.9	252.0	247.1	244.9	240.0	237.6	234.8			
G31.0	236.7	237.7	233.0	230.6	225.9	223.6	220.1			
G32.0	221.3	221.7	217.2	215.0	211.0	208.3	205.3			
G33.0	206.9	208.1	203.7	201.7	197.8	195.2	191.8			
G34.0	193.5	194.1	190.6	188.0	184.3	181.9	179.3			
G35.0	179.5	180.3	176.7	174.4	170.8	168.6	166.2			
G36.0	166.7	167.4	164.2	162.5	158.6	156.4	154.3			

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 10)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	154.0	155.8	151.8	150.6	146.4	145.4	143.3			
G38.0	142.5	143.7	140.5	138.9	135.9	134.0	131.6			
G39.0	132.1	133.4	130.3	129.0	125.8	124.2	122.1			
G40.0	121.1	122.6	120.0	118.7	115.8	114.2	112.2			
G41.0	112.3	113.0	110.7	109.5	107.2	105.3	103.2			
G42.0	103.3	104.4	102.2	101.2	98.7	97.5	95.3			
G43.0	94.0	95.4	93.7	92.4	90.5	88.9	87.0			
G44.0	86.8	88.0	86.2	85.3	83.2	82.0	80.5			
G45.0	79.2	80.8	78.8	78.4	76.1	75.3	73.9			
G46.0	72.6	73.6	72.4	71.7	70.1	68.9	67.5			
G47.0	66.8	67.7	66.6	66.0	64.3	63.4	61.9			
G48.0	60.9	61.8	60.8	59.9	58.7	57.6	56.5			
G49.0	55.8	56.7	55.7	55.1	53.8	53.0	51.8			
G50.0	51.2	51.9	51.0	50.4	49.5	48.5	47.7			
G51.0	46.6	47.4	46.5	46.1	45.2	44.3	43.6			
G52.0	43.0	43.7	42.8	42.4	41.8	40.8	40.2			
G53.0	39.2	40.2	39.2	39.2	38.2	37.8	37.3			
G54.0	36.2	36.7	36.2	35.9	35.3	34.7	34.4			
G55.0	33.5	34.1	33.6	33.4	32.7	32.1	32.0			
G56.0	30.8	31.4	30.8	30.7	30.2	29.5	29.4			
G57.0	28.6	29.1	28.7	28.6	28.0	27.4	27.3			
G58.0	26.4	27.0	26.6	26.5	26.1	25.3	25.1			
G59.0	23.9	24.9	24.6	24.4	23.9	23.2	22.8			
G60.0	21.8	23.0	22.6	22.5	22.1	21.3	20.7			
G61.0	19.6	21.1	20.7	20.7	20.2	19.4	18.5			
G62.0	17.7	19.1	19.0	18.8	18.4	17.3	16.8			
G63.0	16.1	17.3	17.3	17.1	16.7	15.5	15.2			
G64.0	14.4	15.5	15.4	15.4	14.9	13.8	13.5			
G65.0	13.1	14.0	13.8	13.9	13.2	12.3	12.2			
G66.0	11.7	12.6	12.4	12.4	11.7	10.9	10.9			
G67.0	10.5	11.2	10.9	10.8	10.2	9.5	9.7			
G68.0	9.4	9.8	9.5	9.4	9.0	8.5	8.8			
G69.0	8.3	8.8	8.3	8.2	7.8	7.5	7.8			
G70.0	7.4	7.6	7.2	6.9	6.8	6.4	7.0			
G71.0	6.5	6.8	6.2	5.8	5.7	5.6	6.1			
G72.0	5.6	5.9	5.1	4.8	4.8	4.7	5.2			
G73.0	4.8	5.0	4.3	4.0	4.1	4.0	4.5			

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:

