



Report No.:

Test Time: 2021-04-13 10:03

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: RAD-S-CIS-18.3000.24.-.60

Luminous Length (mm): -100

Luminous Width (mm): -100

Luminous Height (mm): 72.7

Voltage: 24.0 V

Current: 0.789 A

Power: 18.93 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1100.4 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 1100.4 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 95.2, 94.6, 94.9, 94.5

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 53.6, 53.3, 53.3, 53.3

Luminaire Efficacy Rating (LER): 58.18

Central Intensity: 1207.78 cd

Max. Intensity: 1211.11 cd

Pos of Max. Intensity: H180 V2

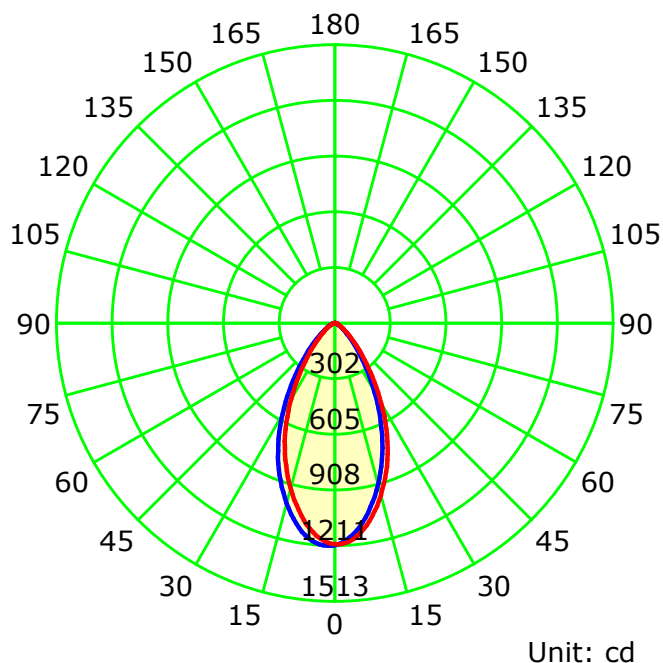
S/MH(C0/C180): 0.81

S/MH(C90/C270): 0.80

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

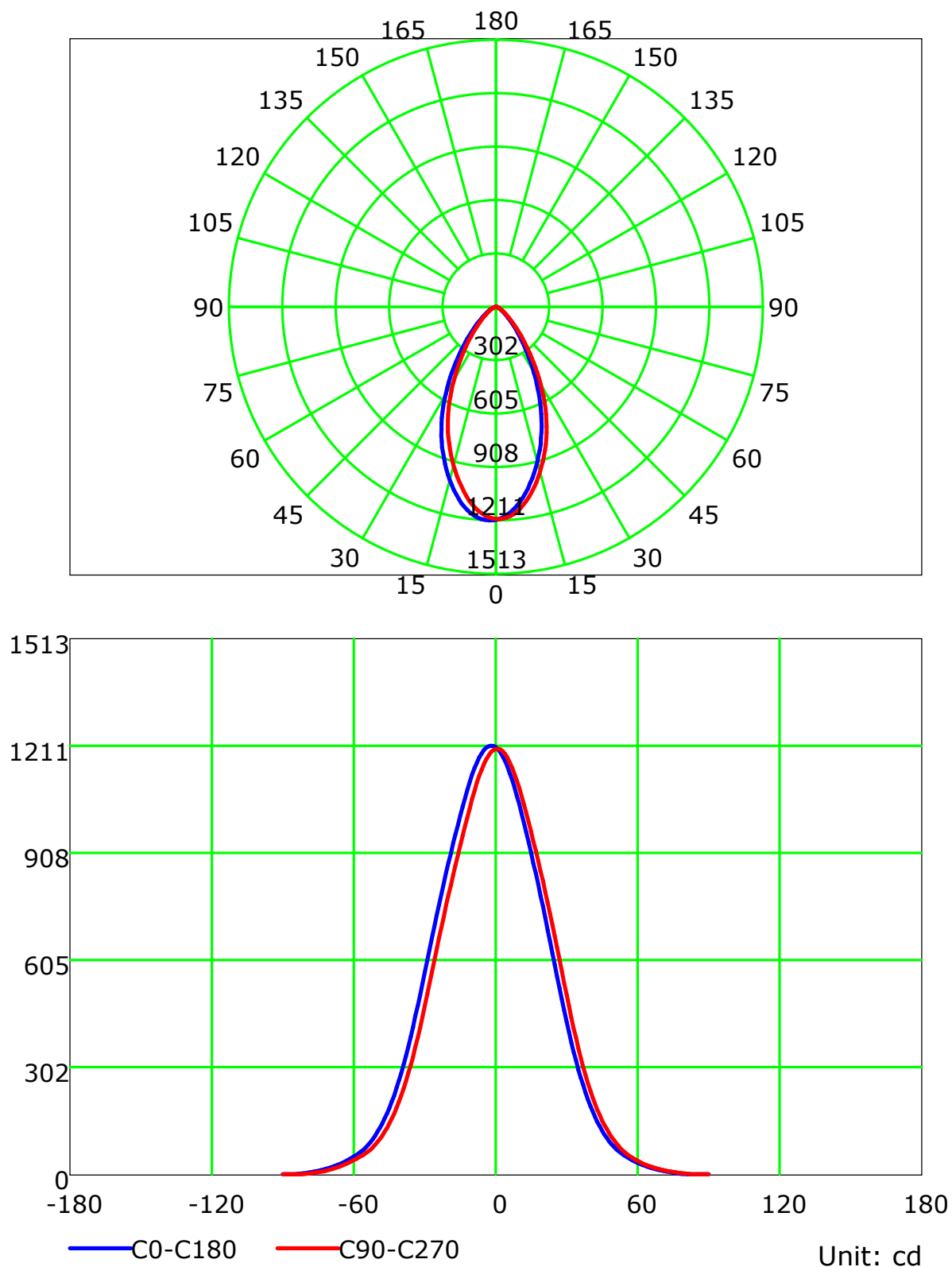
Test Device: LSG-1700B

Distance: 9.600 m

Humidity:

Inspector:

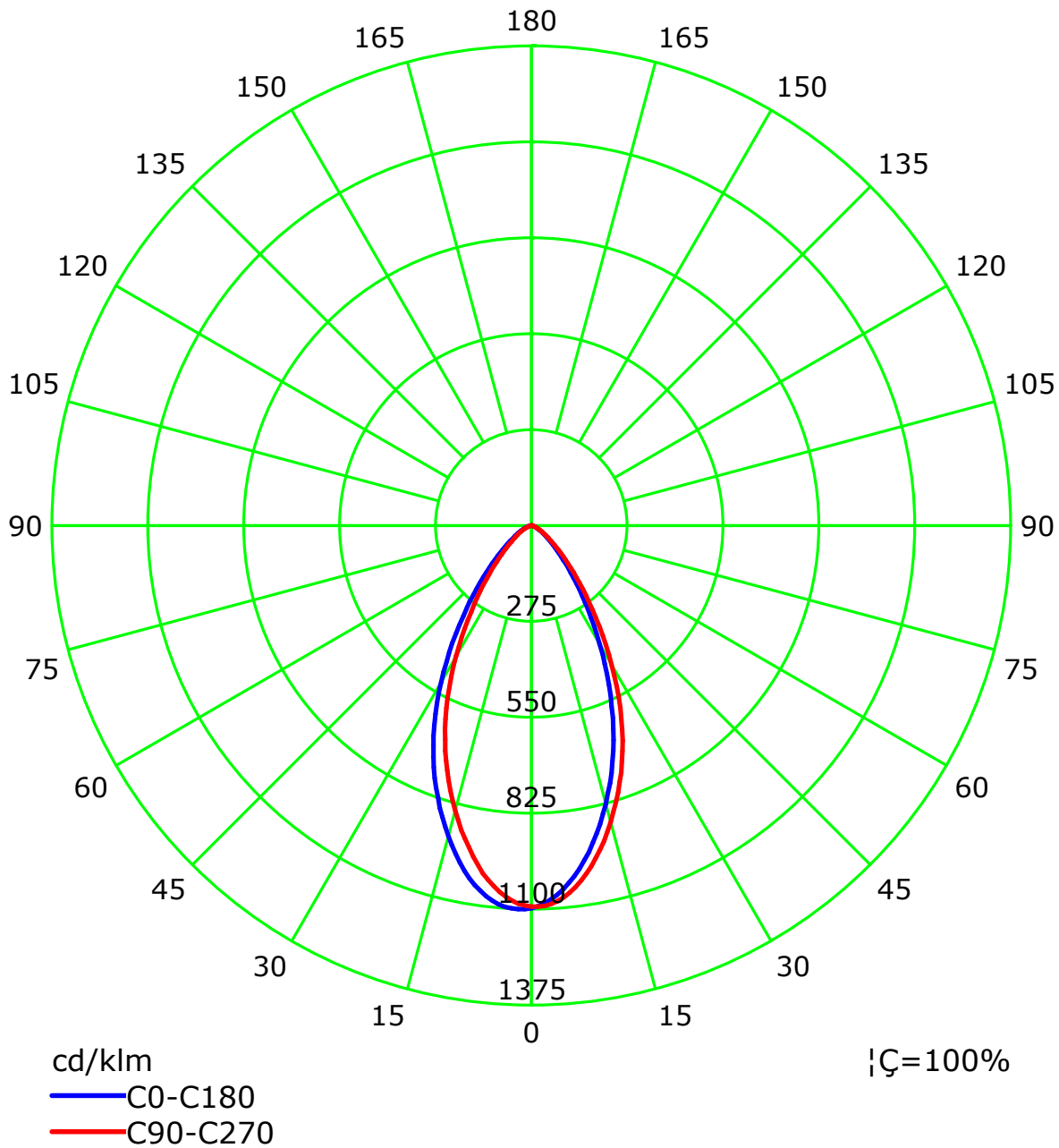
Luminous Intensity Distribution Curve



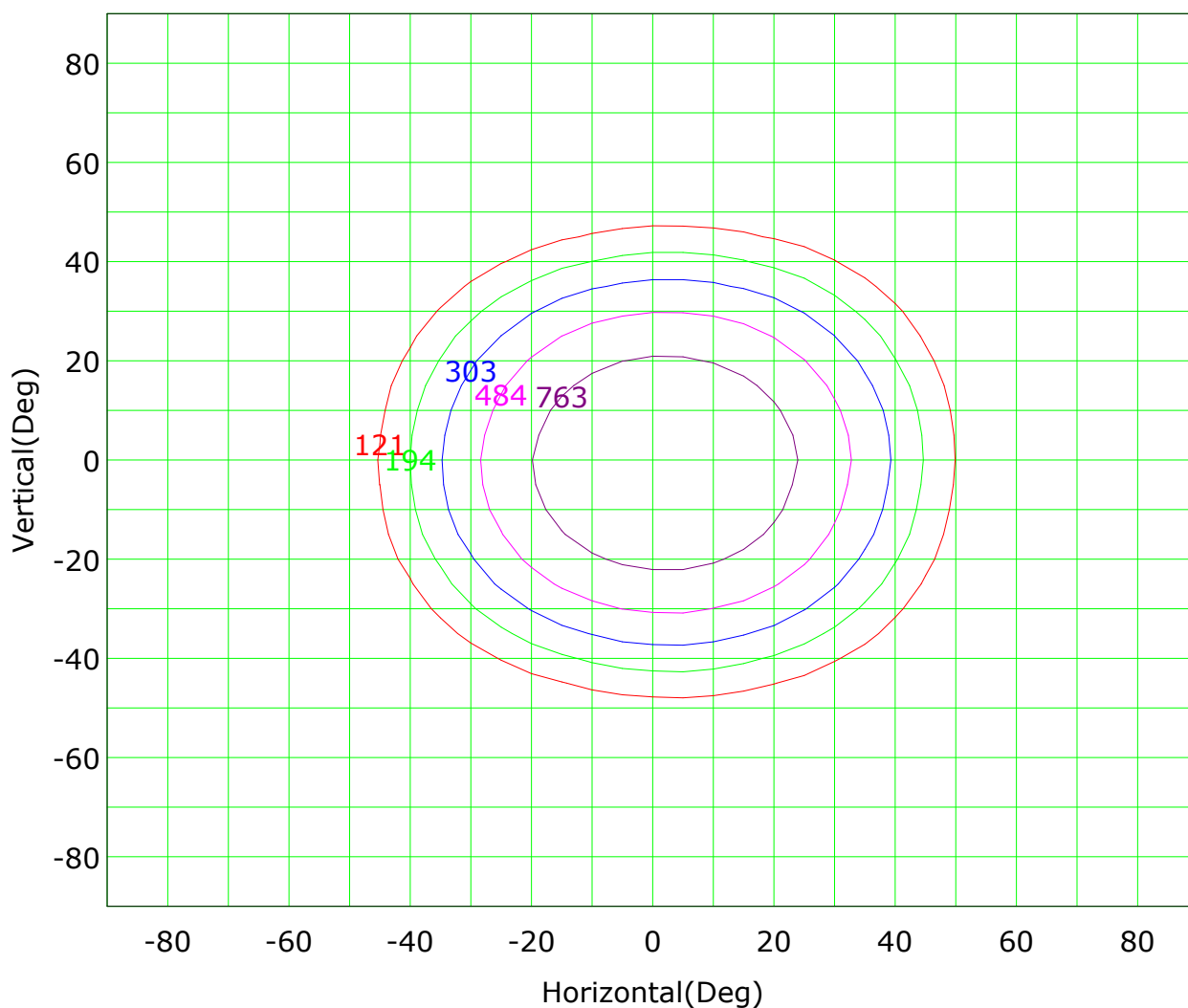
C Plane (°):0.0-360.0: 10.0
Test Lab: Svet-lab
Test Type: TYPE C
Temperature:
Operator: Svet-lab

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

Luminous Intensity Distribution Curve(cd/klm)

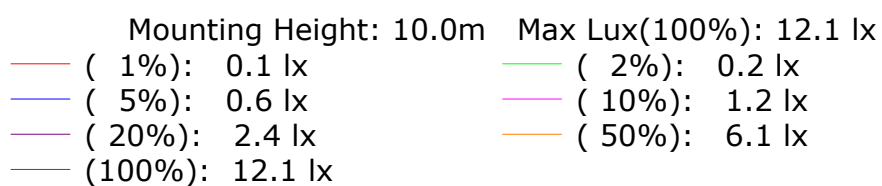
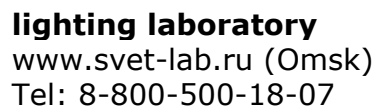


Isocandela (rectangle)



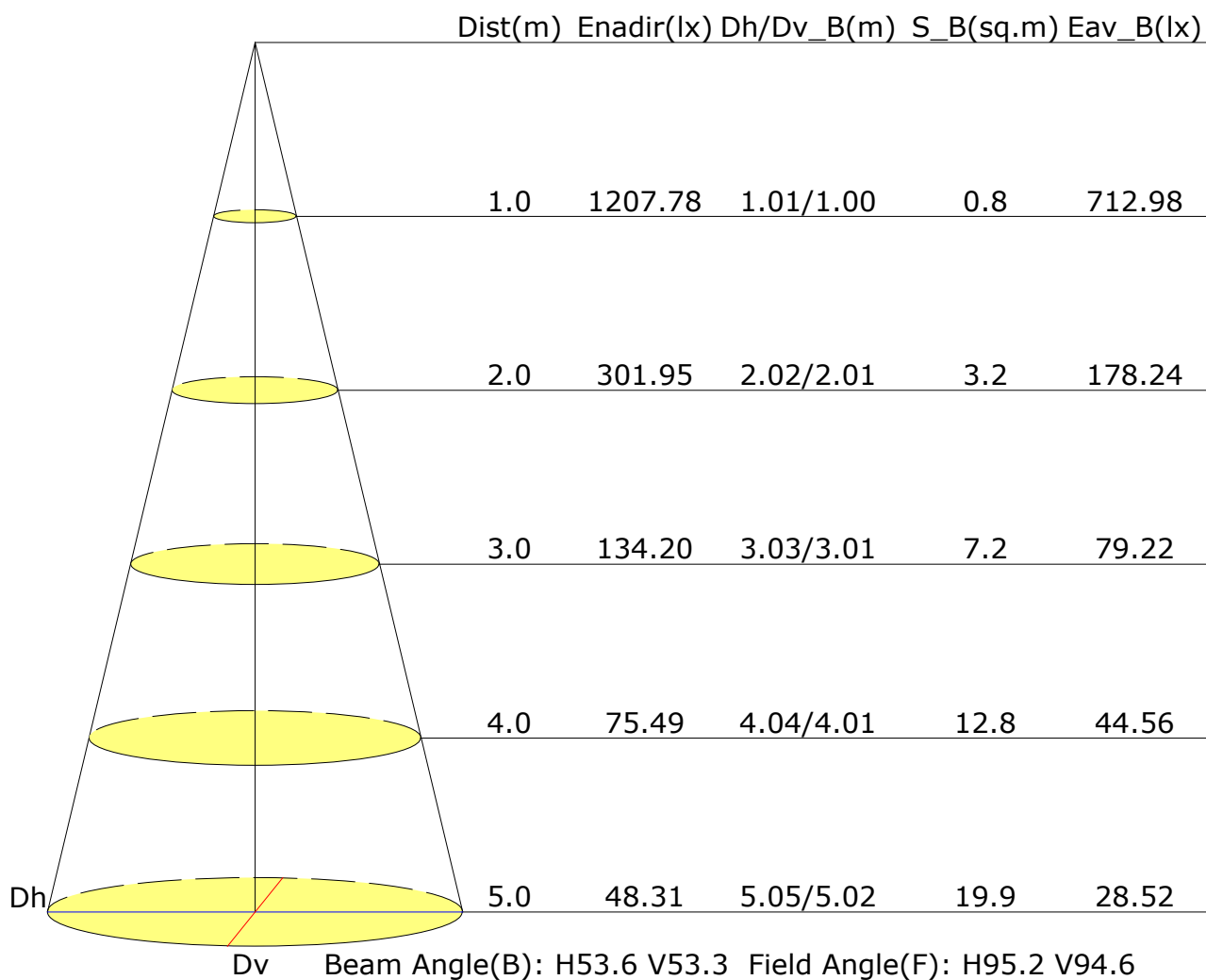
Imax (100%): 1211 cd

(10%): 121 cd	(16%): 194 cd
(25%): 303 cd	(40%): 484 cd
(63%): 763 cd	(100%): 1211 cd

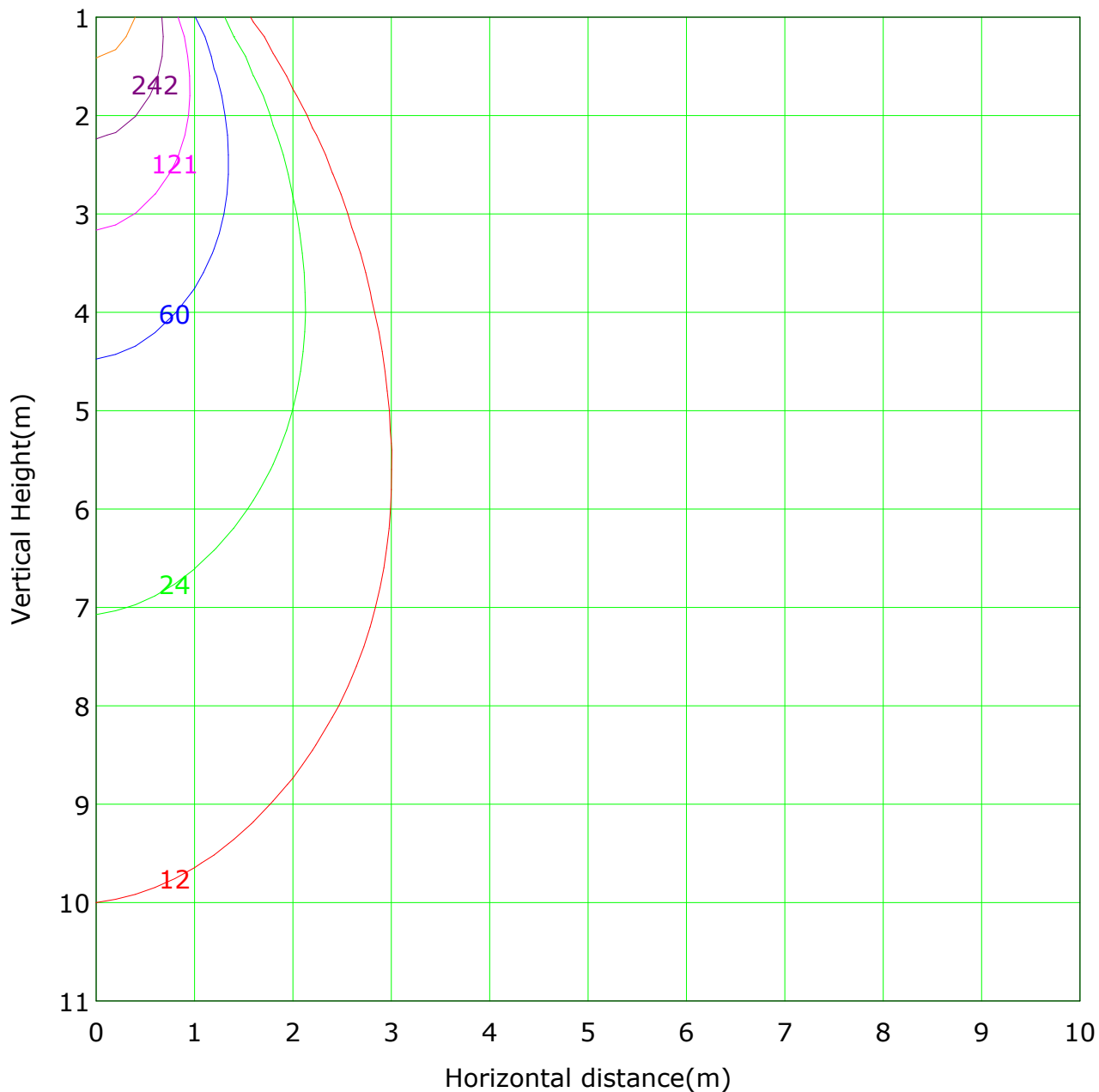


Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

Illuminance at a Distance

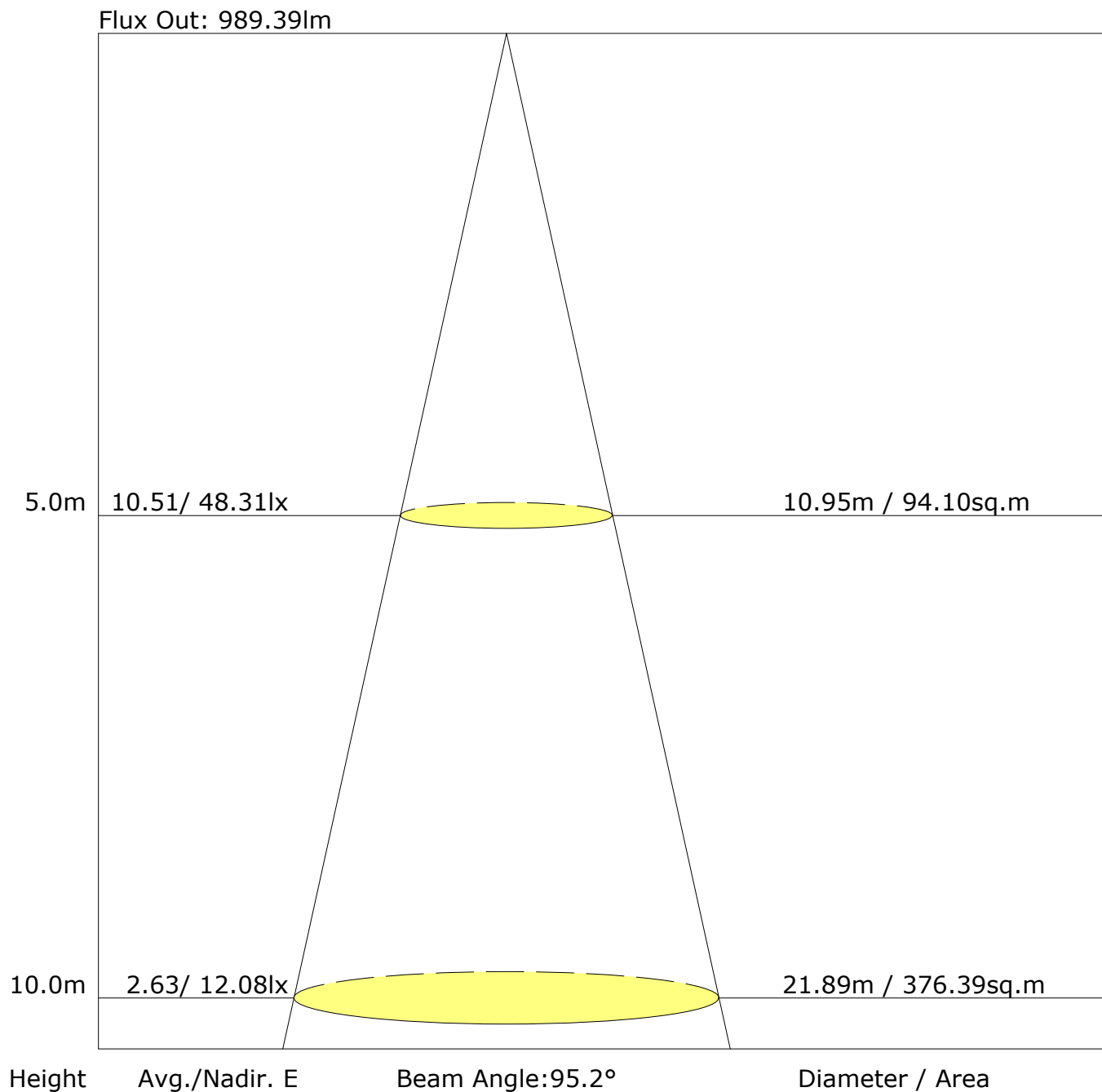


Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1207.8 lx
 (1%): 12.1 lx (2%): 24.2 lx
 (5%): 60.4 lx (10%): 120.8 lx
 (20%): 241.6 lx (50%): 603.9 lx
 (100%):1207.8 lx

The Average Illuminance Effective Figure

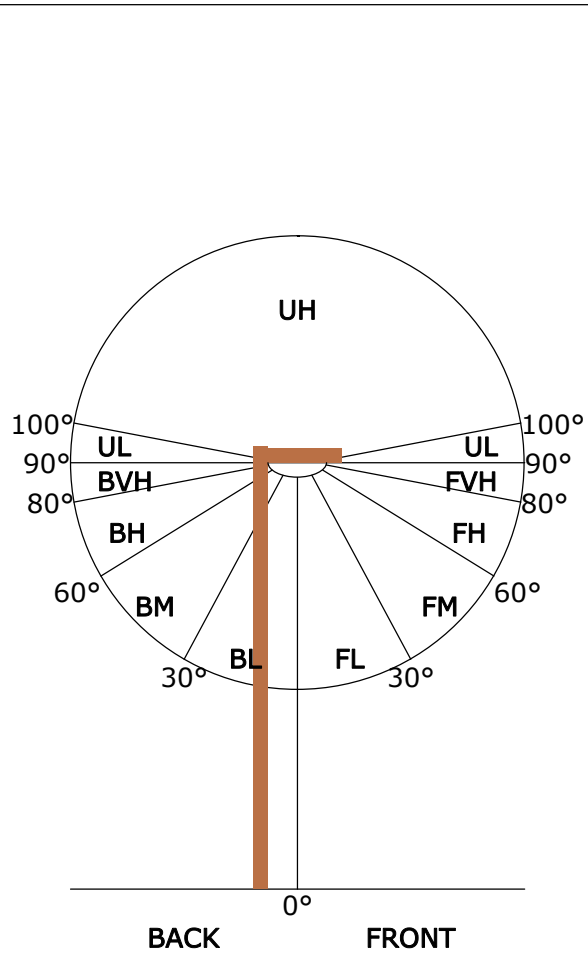


UGR Table

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	20.9	21.9	21.2	22.1	22.3	21.8	22.7	22.0	23.0	23.2
3H	20.7	21.6	21.0	21.8	22.1	21.5	22.4	21.8	22.6	22.9
4H	20.6	21.4	20.9	21.7	22.0	21.4	22.3	21.8	22.5	22.8
6H	20.5	21.3	20.9	21.6	21.9	21.4	22.1	21.7	22.4	22.7
8H	20.5	21.2	20.8	21.5	21.8	21.3	22.0	21.7	22.3	22.7
12H	20.5	21.2	20.8	21.5	21.8	21.3	22.0	21.6	22.3	22.6
X=4H Y=2H	20.6	21.4	20.9	21.7	22.0	21.5	22.3	21.8	22.5	22.8
3H	20.3	21.0	20.7	21.3	21.7	21.2	21.9	21.5	22.2	22.5
4H	20.2	20.8	20.6	21.2	21.6	21.1	21.7	21.5	22.0	22.4
6H	20.2	20.7	20.6	21.1	21.5	21.0	21.5	21.4	21.9	22.3
8H	20.1	20.6	20.5	21.0	21.4	21.0	21.5	21.4	21.8	22.3
12H	20.1	20.5	20.5	20.9	21.4	20.9	21.4	21.4	21.8	22.2
X=8H Y=4H	20.1	20.6	20.5	21.0	21.4	21.0	21.5	21.4	21.8	22.3
6H	20.0	20.4	20.5	20.8	21.3	20.9	21.3	21.3	21.7	22.1
8H	20.0	20.3	20.5	20.8	21.2	20.8	21.2	21.3	21.6	22.1
12H	19.9	20.2	20.4	20.7	21.2	20.8	21.1	21.3	21.6	22.1
X=12H Y=4H	20.1	20.5	20.5	20.9	21.3	20.9	21.4	21.4	21.8	22.2
6H	20.0	20.3	20.4	20.8	21.2	20.8	21.2	21.3	21.6	22.1
8H	19.9	20.2	20.4	20.7	21.2	20.8	21.1	21.3	21.6	22.1
Variations with the observer position at spacings:										
S=1.0H	+6.3/-1.\$					+6.9/-1.\$				
S=1.5H	+9.9/-1.\$					+9.7/-1.\$				
S=2.0H	+12.0/-1.\$					+11.7/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 1100lm ($8\log(F/F_0) = 0.3$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

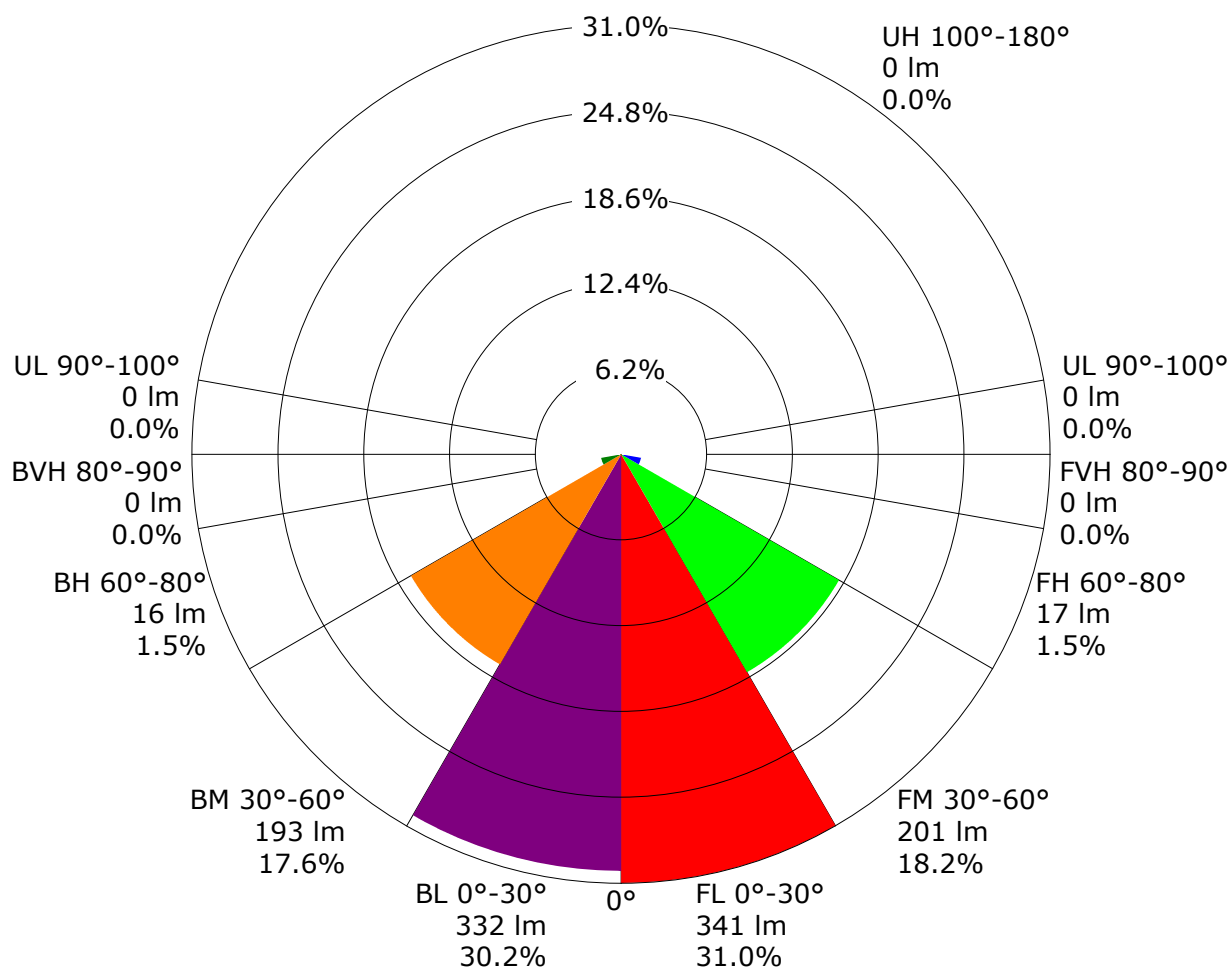
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	559	50.8
	FL (0°-30°)	341	31.0
	FM (30°-60°)	201	18.2
	FH (60°-80°)	17	1.5
	FVH (80°-90°)	0	0.0
	BACK LIGHT	542	49.2
	BL (0°-30°)	332	30.2
	BM (30°-60°)	193	17.6
	BH (60°-80°)	16	1.5
	BVH (80°-90°)	0	0.0
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	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	1203.5	1.2	1.2	0.10	0.10
1.0-2.0	1200.9	3.4	4.6	0.31	0.42
2.0-3.0	1195.6	5.7	10.3	0.52	0.94
3.0-4.0	1187.6	8.0	18.3	0.72	1.66
4.0-5.0	1177.4	10.1	28.4	0.92	2.58
5.0-6.0	1164.3	12.2	40.6	1.11	3.69
6.0-7.0	1148.8	14.3	54.9	1.30	4.99
7.0-8.0	1131.6	16.2	71.1	1.47	6.46
8.0-9.0	1112.1	18.0	89.1	1.64	8.10
9.0-10.0	1091.2	19.7	108.9	1.79	9.89
10.0-11.0	1068.1	21.3	130.2	1.94	11.83
11.0-12.0	1043.8	22.8	153.0	2.07	13.91
12.0-13.0	1019.7	24.2	177.2	2.20	16.11
13.0-14.0	993.7	25.4	202.7	2.31	18.42
14.0-15.0	967.0	26.6	229.2	2.41	20.83
15.0-16.0	940.0	27.5	256.8	2.50	23.33
16.0-17.0	912.1	28.4	285.2	2.58	25.92
17.0-18.0	884.5	29.2	314.4	2.65	28.57
18.0-19.0	855.5	29.8	344.1	2.71	31.27
19.0-20.0	826.0	30.2	374.4	2.75	34.02
20.0-21.0	796.8	30.6	405.0	2.78	36.80
21.0-22.0	766.1	30.8	435.8	2.80	39.60
22.0-23.0	735.2	30.9	466.6	2.80	42.40
23.0-24.0	703.9	30.8	497.4	2.80	45.20
24.0-25.0	671.7	30.5	527.9	2.78	47.97
25.0-26.0	640.3	30.2	558.2	2.75	50.72
26.0-27.0	607.7	29.7	587.9	2.70	53.42
27.0-28.0	575.0	29.1	617.0	2.65	56.07
28.0-29.0	543.5	28.4	645.4	2.58	58.65
29.0-30.0	511.0	27.6	673.0	2.51	61.16
30.0-31.0	479.5	26.7	699.7	2.43	63.59
31.0-32.0	448.5	25.7	725.4	2.34	65.92
32.0-33.0	418.3	24.6	750.1	2.24	68.16
33.0-34.0	390.3	23.6	773.7	2.15	70.31
34.0-35.0	362.3	22.5	796.2	2.05	72.35
35.0-36.0	335.5	21.4	817.6	1.94	74.29

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

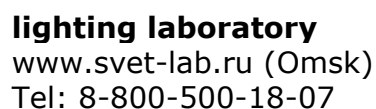
Gamma Plane (°):0.0-90.0:1.0
Test Device: LSG-1700B
Distance: 9.600 m
Humidity:
Inspector:

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	310.6	20.3	837.8	1.84	76.14
37.0-38.0	286.5	19.1	856.9	1.74	77.87
38.0-39.0	264.3	18.0	875.0	1.64	79.51
39.0-40.0	243.2	17.0	892.0	1.54	81.06
40.0-41.0	223.3	15.9	907.9	1.45	82.50
41.0-42.0	205.6	14.9	922.8	1.36	83.86
42.0-43.0	188.4	14.0	936.8	1.27	85.13
43.0-44.0	172.3	13.0	949.8	1.18	86.31
44.0-45.0	157.7	12.1	961.9	1.10	87.41
45.0-46.0	144.0	11.3	973.1	1.02	88.43
46.0-47.0	131.7	10.5	983.6	0.95	89.39
47.0-48.0	120.1	9.7	993.3	0.88	90.27
48.0-49.0	109.4	9.0	1002.3	0.82	91.08
49.0-50.0	100.0	8.3	1010.7	0.76	91.84
50.0-51.0	91.2	7.7	1018.4	0.70	92.54
51.0-52.0	83.2	7.1	1025.5	0.65	93.19
52.0-53.0	76.1	6.6	1032.1	0.60	93.79
53.0-54.0	69.6	6.1	1038.3	0.56	94.35
54.0-55.0	63.9	5.7	1044.0	0.52	94.87
55.0-56.0	58.6	5.3	1049.3	0.48	95.35
56.0-57.0	53.8	4.9	1054.2	0.45	95.80
57.0-58.0	49.6	4.6	1058.8	0.42	96.22
58.0-59.0	45.6	4.3	1063.0	0.39	96.60
59.0-60.0	41.8	3.9	1067.0	0.36	96.96
60.0-61.0	38.2	3.6	1070.6	0.33	97.29
61.0-62.0	34.9	3.4	1074.0	0.31	97.60
62.0-63.0	31.8	3.1	1077.1	0.28	97.88
63.0-64.0	28.9	2.8	1079.9	0.26	98.14
64.0-65.0	26.1	2.6	1082.5	0.23	98.37
65.0-66.0	23.6	2.4	1084.9	0.21	98.59
66.0-67.0	21.2	2.1	1087.0	0.19	98.78
67.0-68.0	19.0	1.9	1088.9	0.18	98.96
68.0-69.0	17.0	1.7	1090.7	0.16	99.11
69.0-70.0	15.1	1.5	1092.2	0.14	99.25
70.0-71.0	13.4	1.4	1093.6	0.13	99.38
71.0-72.0	11.7	1.2	1094.8	0.11	99.49

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:
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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	1207.8	1207.2	1207.3	1206.6	1206.4	1205.4	1204.7	1203.6	1202.8	1202.3
G1.0	1201.7	1201.4	1201.7	1202.0	1203.1	1202.8	1203.1	1202.8	1203.0	1203.1
G2.0	1193.3	1193.2	1194.6	1194.9	1196.7	1197.2	1198.7	1198.9	1200.6	1201.3
G3.0	1181.7	1181.9	1183.2	1183.9	1187.1	1187.9	1190.6	1191.4	1194.5	1196.3
G4.0	1168.2	1168.5	1170.8	1171.3	1175.6	1177.0	1180.4	1182.0	1186.3	1188.4
G5.0	1153.0	1152.8	1155.5	1157.4	1161.8	1163.1	1167.9	1169.7	1175.0	1178.3
G6.0	1134.0	1134.1	1137.4	1138.7	1144.4	1146.4	1151.6	1154.4	1160.4	1164.2
G7.0	1115.1	1115.3	1118.2	1120.5	1125.9	1128.3	1134.7	1138.1	1144.8	1149.2
G8.0	1093.8	1091.7	1098.3	1097.8	1105.6	1107.4	1115.6	1118.9	1127.3	1131.3
G9.0	1069.7	1069.3	1073.0	1075.7	1082.5	1086.5	1094.0	1098.1	1106.9	1112.7
G10.0	1046.3	1045.0	1050.2	1053.0	1059.1	1063.6	1072.8	1077.3	1086.8	1092.1
G11.0	1018.9	1018.0	1022.8	1025.8	1034.3	1037.7	1047.2	1052.7	1061.9	1068.6
G12.0	993.6	992.2	998.3	1000.5	1010.6	1014.5	1023.8	1028.6	1038.8	1045.2
G13.0	967.1	966.8	972.8	975.7	984.6	990.6	998.7	1003.7	1014.1	1021.9
G14.0	937.2	937.1	943.4	946.4	956.8	961.6	971.6	977.2	987.8	994.3
G15.0	910.3	910.4	917.0	919.9	929.7	934.3	945.0	950.9	961.9	969.3
G16.0	878.7	878.8	885.9	890.4	900.4	905.6	916.5	923.0	934.2	940.3
G17.0	850.5	850.6	857.9	861.4	871.8	877.0	890.2	896.5	908.3	914.3
G18.0	821.4	820.4	828.4	833.1	844.4	849.4	861.7	868.2	880.2	886.3
G19.0	787.6	788.0	796.6	800.4	811.7	818.7	831.5	838.0	850.5	857.2
G20.0	757.5	756.6	765.4	770.7	782.6	788.9	801.6	808.2	821.2	829.8
G21.0	725.2	723.3	735.0	736.5	751.6	756.2	772.4	776.7	792.6	797.3
G22.0	691.5	691.1	701.3	705.0	718.3	724.8	738.2	746.0	760.7	768.6
G23.0	660.2	659.9	668.6	674.0	685.9	694.3	707.9	715.8	729.3	738.0
G24.0	624.3	625.8	634.1	639.4	651.5	658.7	674.3	680.7	696.5	705.2
G25.0	592.9	592.6	601.2	605.8	618.3	626.8	641.5	649.3	664.3	673.2
G26.0	560.0	561.0	569.7	574.1	586.7	593.5	608.3	616.2	633.2	642.1
G27.0	526.2	525.5	533.9	537.7	552.0	558.7	573.5	581.7	597.1	607.4
G28.0	494.4	494.8	502.8	506.5	519.2	527.4	540.5	548.5	565.7	574.6
G29.0	464.5	460.8	471.1	473.5	488.4	492.0	509.3	514.4	532.9	540.2
G30.0	431.4	431.8	439.0	442.5	454.0	462.1	476.1	483.8	499.1	507.9
G31.0	403.2	402.3	410.4	412.6	424.4	431.3	444.6	452.4	467.4	476.2
G32.0	373.8	372.9	378.8	382.2	393.5	400.1	412.7	420.6	435.0	443.6
G33.0	346.6	345.6	352.5	355.5	365.5	371.8	383.6	390.9	406.1	413.3
G34.0	322.1	321.0	326.1	329.1	339.8	345.6	356.8	363.7	377.1	385.5
G35.0	295.5	295.2	300.4	303.0	312.1	318.4	329.0	333.9	348.0	356.1
G36.0	273.6	273.2	277.0	280.5	289.3	293.9	303.6	309.2	323.0	330.4

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:

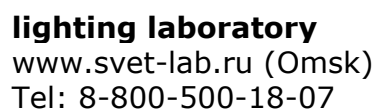
Candlepower Table (Continue 1)

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	253.0	249.9	256.0	256.6	267.1	270.2	281.1	284.1	298.1	303.1
G38.0	231.0	230.7	234.8	237.3	245.1	249.0	256.9	261.6	273.5	280.5
G39.0	212.2	211.9	215.9	218.1	226.1	229.9	237.3	241.6	251.5	258.5
G40.0	194.0	193.7	197.3	199.6	206.2	209.6	217.0	220.3	230.3	236.8
G41.0	178.4	177.6	181.6	183.1	189.8	193.0	199.1	202.8	211.6	217.6
G42.0	163.8	163.2	166.1	168.4	174.6	177.6	183.1	186.6	194.7	200.4
G43.0	148.3	147.9	151.5	153.4	158.5	161.8	166.9	169.3	177.5	182.7
G44.0	135.9	135.5	139.0	140.8	145.4	147.7	152.5	155.1	162.5	167.8
G45.0	124.0	123.1	126.9	127.4	133.4	134.2	139.7	141.0	149.0	152.2
G46.0	112.4	112.7	115.3	116.6	120.5	122.8	126.8	128.5	135.4	139.6
G47.0	102.9	102.8	105.3	106.7	110.2	111.7	115.7	117.7	123.6	128.1
G48.0	93.0	93.3	95.5	96.5	99.4	101.3	104.8	106.8	112.2	115.8
G49.0	85.1	85.5	87.2	88.2	90.8	92.2	95.4	97.4	102.3	106.2
G50.0	78.0	77.9	79.4	80.4	83.0	84.3	87.3	89.1	93.5	96.7
G51.0	71.0	70.7	72.0	73.1	75.5	76.7	79.2	80.7	84.8	87.8
G52.0	65.6	64.9	65.9	67.0	69.1	70.1	72.6	73.9	77.6	80.2
G53.0	60.6	59.2	60.1	61.2	63.6	63.9	66.9	67.4	70.8	72.3
G54.0	55.3	54.3	54.8	56.1	58.2	58.8	61.4	62.2	64.4	66.1
G55.0	51.2	49.8	50.5	51.7	53.4	54.0	56.4	57.4	59.2	60.4
G56.0	46.9	45.5	45.9	47.2	48.9	49.5	51.8	52.7	53.8	54.9
G57.0	43.1	41.7	42.4	43.3	44.8	45.7	47.9	48.7	49.4	50.3
G58.0	39.4	38.2	39.0	39.8	41.0	42.0	44.2	44.7	45.5	46.2
G59.0	35.9	34.8	35.5	36.1	37.3	38.5	40.4	40.7	41.3	41.9
G60.0	32.7	32.0	32.7	32.8	34.0	35.4	37.3	37.2	37.8	38.4
G61.0	29.6	29.0	29.8	29.5	30.6	32.1	33.8	33.6	34.4	34.6
G62.0	27.0	26.4	27.1	26.9	27.8	29.3	30.8	30.6	31.4	31.6
G63.0	24.5	24.1	24.9	24.3	25.3	26.9	28.0	27.8	28.7	28.7
G64.0	22.1	21.6	22.4	21.8	22.7	24.1	25.1	24.8	25.9	25.8
G65.0	19.9	19.7	20.2	19.7	20.6	21.9	22.6	22.4	23.5	23.5
G66.0	17.9	17.6	18.2	17.6	18.6	19.5	20.3	20.0	21.3	21.1
G67.0	15.9	15.8	16.0	15.9	16.7	17.7	18.1	18.0	19.0	19.0
G68.0	14.4	14.2	14.3	14.2	15.0	15.8	16.3	16.0	17.1	17.3
G69.0	12.6	12.3	12.5	12.5	13.4	13.9	14.3	14.3	15.1	15.2
G70.0	11.2	10.9	11.1	11.0	11.8	12.3	12.8	12.7	13.4	13.5
G71.0	9.8	9.6	9.8	9.7	10.4	10.7	11.3	11.2	11.7	12.0
G72.0	8.5	8.2	8.5	8.4	8.9	9.2	9.8	9.8	10.3	10.5
G73.0	7.2	7.2	7.4	7.3	7.4	7.8	8.5	8.5	9.0	9.3

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:

[illegible]

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	1201.9	1202.5	1202.0	1202.7	1202.0	1203.2	1202.4	1203.5	1207.8	1207.2
G1.0	1204.0	1205.0	1205.4	1206.3	1206.3	1206.9	1206.9	1206.9	1210.6	1210.2
G2.0	1203.2	1204.5	1205.7	1206.7	1207.5	1207.9	1208.0	1207.8	1211.1	1210.3
G3.0	1199.3	1200.6	1203.0	1204.6	1205.9	1206.4	1207.4	1206.6	1209.7	1208.6
G4.0	1192.8	1194.7	1198.2	1199.6	1201.8	1203.0	1203.8	1203.0	1206.6	1204.8
G5.0	1183.5	1185.7	1189.7	1191.7	1195.4	1196.4	1197.8	1196.3	1199.8	1197.9
G6.0	1170.9	1173.7	1178.7	1181.5	1185.4	1186.7	1187.9	1186.3	1190.1	1187.9
G7.0	1157.4	1160.5	1166.1	1168.9	1174.0	1174.5	1176.6	1174.6	1178.7	1176.3
G8.0	1141.9	1144.2	1152.1	1153.7	1159.5	1159.9	1163.7	1159.9	1163.6	1161.9
G9.0	1122.9	1126.8	1133.3	1137.6	1142.3	1143.4	1146.2	1144.1	1148.8	1143.6
G10.0	1103.5	1106.5	1115.1	1118.5	1124.2	1125.7	1128.6	1125.8	1130.5	1126.0
G11.0	1079.6	1084.3	1092.1	1096.3	1102.7	1104.3	1107.1	1104.0	1109.5	1104.8
G12.0	1057.2	1060.9	1070.7	1074.2	1080.7	1082.1	1085.0	1081.4	1087.5	1082.8
G13.0	1032.8	1037.1	1047.8	1050.8	1058.4	1059.0	1062.6	1058.0	1064.5	1060.4
G14.0	1006.8	1011.5	1021.1	1025.4	1032.7	1033.3	1035.9	1032.5	1039.0	1033.7
G15.0	981.4	985.6	996.7	1000.1	1007.7	1007.9	1012.0	1007.1	1015.2	1009.7
G16.0	953.4	958.1	968.3	973.0	980.0	980.6	983.8	979.6	988.6	984.3
G17.0	926.4	930.7	942.8	947.2	954.7	955.4	958.3	954.0	962.0	957.1
G18.0	900.1	904.6	915.7	920.1	928.9	928.2	930.9	926.3	937.2	931.4
G19.0	869.5	875.5	886.9	891.3	898.3	898.7	901.9	897.4	907.4	900.8
G20.0	841.9	846.9	858.5	863.3	871.5	870.6	873.3	869.5	880.3	873.8
G21.0	814.2	815.1	830.8	832.9	843.0	840.5	845.7	839.6	853.5	846.5
G22.0	781.8	787.0	799.9	803.3	811.8	810.9	814.8	810.3	823.0	816.2
G23.0	752.8	758.3	769.8	774.4	781.7	782.2	784.7	780.2	793.4	787.0
G24.0	719.4	724.8	737.7	740.8	749.9	748.7	752.5	748.1	761.4	758.0
G25.0	689.4	694.7	706.4	711.3	719.0	719.5	722.1	718.6	732.2	724.5
G26.0	657.2	662.7	676.2	681.1	689.1	688.3	693.0	687.3	700.7	694.7
G27.0	622.9	628.3	641.2	646.3	655.7	654.8	658.5	654.6	667.9	661.8
G28.0	591.5	597.3	610.5	615.4	623.5	624.6	628.0	623.9	636.1	630.1
G29.0	558.4	561.4	578.0	580.5	593.1	589.9	596.3	589.4	605.5	599.7
G30.0	524.2	530.2	544.4	549.8	558.2	559.2	562.7	559.3	570.4	564.7
G31.0	491.9	498.2	513.6	518.1	527.3	526.9	532.2	527.6	539.2	534.3
G32.0	459.1	465.5	478.8	485.5	494.1	493.9	497.9	493.8	506.4	500.5
G33.0	428.5	434.7	449.1	454.3	463.1	463.1	468.1	464.4	477.1	471.6
G34.0	400.2	406.2	418.6	425.0	434.1	433.8	437.8	435.5	448.1	441.5
G35.0	369.2	374.6	387.9	393.8	401.9	403.0	407.5	404.0	415.7	411.0
G36.0	343.0	348.3	361.0	365.2	374.5	374.9	380.4	377.1	389.0	383.9

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 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	318.4	320.7	334.0	337.0	348.3	346.2	352.9	348.8	358.9	356.2
G38.0	291.8	296.0	307.3	312.4	319.9	320.3	325.9	323.0	334.3	329.2
G39.0	270.1	274.1	283.3	288.1	295.3	297.4	301.3	299.6	310.5	305.4
G40.0	247.5	250.4	259.8	264.5	271.0	272.4	277.2	274.6	284.7	281.0
G41.0	227.5	231.1	238.8	243.5	250.7	252.0	256.6	254.1	264.0	259.3
G42.0	209.6	212.9	220.2	224.5	231.4	232.9	236.9	233.8	244.0	238.9
G43.0	190.6	193.6	201.1	204.1	210.9	212.2	216.4	214.3	222.9	219.1
G44.0	175.1	178.0	184.3	187.8	194.3	195.4	199.5	197.3	205.4	202.0
G45.0	160.8	162.1	169.3	171.2	177.9	178.4	182.8	180.2	187.3	185.2
G46.0	146.1	148.7	154.2	157.1	162.1	163.3	166.9	165.6	172.2	168.9
G47.0	133.8	135.8	140.7	143.3	148.8	150.1	152.7	151.8	157.8	155.4
G48.0	121.5	123.4	127.8	130.4	134.8	136.8	139.2	138.3	143.6	140.8
G49.0	110.7	112.5	117.0	119.0	123.6	124.8	127.6	126.6	131.7	129.1
G50.0	101.4	103.1	107.1	109.0	113.3	114.4	116.6	115.9	120.2	117.8
G51.0	92.0	93.1	96.7	99.0	102.9	103.8	106.0	104.9	108.9	107.1
G52.0	84.1	85.3	88.7	90.3	93.8	94.9	97.2	96.2	99.7	97.8
G53.0	77.0	77.7	81.0	82.1	85.9	86.2	88.7	87.4	90.7	89.3
G54.0	70.1	71.4	73.7	75.2	77.8	79.0	80.7	80.2	82.9	81.4
G55.0	64.2	65.8	67.8	69.3	71.5	72.5	73.9	73.4	76.0	74.6
G56.0	58.6	60.0	61.9	63.2	65.4	65.8	67.1	67.1	69.6	68.4
G57.0	53.8	55.5	57.2	58.5	60.1	60.6	61.3	61.6	64.2	63.2
G58.0	49.2	51.2	53.0	54.0	55.6	55.7	56.2	56.6	59.6	58.6
G59.0	44.8	47.0	48.7	49.7	51.3	50.9	51.0	51.7	54.5	54.0
G60.0	41.0	43.1	45.2	46.2	47.2	46.8	46.9	47.4	50.5	50.0
G61.0	37.0	39.3	41.4	42.2	43.2	42.5	42.5	43.1	46.1	46.2
G62.0	33.7	35.9	38.3	38.9	39.8	38.7	38.8	39.7	42.5	42.6
G63.0	30.7	32.6	35.1	35.7	36.5	35.4	35.6	36.4	39.0	39.3
G64.0	27.5	29.5	32.0	32.6	33.1	32.0	32.2	33.0	35.2	35.8
G65.0	25.0	26.7	29.1	29.8	30.1	28.9	29.3	30.3	32.3	33.0
G66.0	22.5	24.0	26.5	26.8	27.4	25.9	26.6	27.3	29.3	30.0
G67.0	20.2	21.7	23.6	24.3	24.6	23.6	24.0	24.9	26.4	27.2
G68.0	18.3	19.5	21.2	22.0	22.1	21.4	21.8	22.5	23.9	24.5
G69.0	16.2	17.2	18.8	19.5	19.6	19.0	19.6	20.0	21.1	22.1
G70.0	14.6	15.3	16.8	17.5	17.4	17.2	17.7	18.2	19.0	19.6
G71.0	12.9	13.7	14.8	15.5	15.7	15.4	15.9	16.1	17.1	17.5
G72.0	11.3	12.0	12.9	13.5	13.7	13.6	13.9	14.3	15.1	15.4
G73.0	9.9	10.5	11.2	11.9	12.3	11.9	12.3	12.6	13.4	13.5

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 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	1207.3	1206.6	1206.4	1205.4	1204.7	1203.6	1202.8	1202.3	1201.9	1202.5
G1.0	1208.9	1208.2	1207.0	1205.5	1203.8	1201.9	1200.1	1199.1	1197.6	1197.7
G2.0	1208.7	1207.5	1205.8	1203.7	1201.0	1198.7	1195.7	1194.1	1191.6	1191.0
G3.0	1206.2	1204.3	1201.2	1198.0	1194.4	1190.6	1187.0	1184.7	1181.7	1180.8
G4.0	1201.5	1199.0	1194.5	1191.2	1185.7	1181.1	1176.5	1173.5	1170.1	1168.4
G5.0	1193.8	1190.8	1185.1	1181.1	1174.8	1170.2	1164.2	1160.5	1155.3	1153.7
G6.0	1182.0	1178.9	1172.6	1167.5	1160.5	1155.3	1147.5	1144.1	1138.0	1135.9
G7.0	1169.5	1165.8	1158.3	1152.0	1144.5	1138.8	1131.3	1126.9	1119.7	1117.9
G8.0	1153.7	1149.9	1140.4	1135.7	1125.3	1120.9	1111.0	1108.1	1098.1	1097.3
G9.0	1136.3	1131.5	1121.9	1115.9	1105.3	1099.1	1089.7	1083.8	1075.3	1074.0
G10.0	1117.8	1112.0	1102.3	1095.2	1084.5	1076.9	1067.5	1061.2	1052.6	1049.9
G11.0	1094.8	1088.7	1079.0	1071.2	1059.3	1051.6	1040.6	1034.4	1025.5	1023.6
G12.0	1073.4	1066.4	1055.7	1047.4	1035.7	1027.0	1016.8	1010.3	1001.2	998.0
G13.0	1049.9	1043.5	1031.5	1023.9	1010.4	1002.5	991.4	986.1	976.5	972.8
G14.0	1024.4	1017.1	1004.8	997.3	983.3	975.8	964.1	957.0	947.2	943.8
G15.0	999.0	992.1	980.4	971.4	958.7	949.9	938.6	931.0	921.4	917.9
G16.0	971.6	967.6	952.8	946.6	929.5	924.2	909.0	903.9	891.2	892.0
G17.0	946.2	939.3	926.3	917.4	903.7	894.1	882.5	875.2	864.7	861.4
G18.0	919.2	912.7	900.5	891.5	877.6	867.9	854.6	847.0	837.5	834.6
G19.0	890.8	883.4	870.7	861.3	847.5	838.9	825.3	817.3	806.2	804.2
G20.0	864.2	856.5	843.5	834.3	820.3	811.5	796.2	789.5	778.2	775.8
G21.0	835.7	828.9	816.3	806.7	791.5	782.5	768.0	761.2	749.6	745.2
G22.0	804.9	797.0	784.1	775.7	760.6	751.4	737.2	728.2	716.8	713.0
G23.0	776.2	769.1	756.0	746.3	732.1	721.2	708.4	699.3	687.5	682.4
G24.0	743.3	740.4	724.6	717.7	699.0	692.3	675.1	668.8	655.1	653.0
G25.0	714.1	707.3	693.7	684.5	669.5	658.7	645.3	636.1	623.1	618.2
G26.0	684.5	677.8	663.7	654.9	639.8	629.2	614.9	605.4	592.5	587.6
G27.0	650.4	643.3	631.0	621.8	607.0	596.4	580.0	570.8	558.9	554.2
G28.0	620.0	612.6	599.5	590.3	575.9	566.0	549.8	540.4	527.0	523.5
G29.0	587.8	580.9	569.3	560.3	546.0	534.3	518.5	509.9	496.8	492.2
G30.0	553.3	547.3	534.7	526.0	512.3	500.1	484.3	475.8	463.3	458.4
G31.0	523.3	516.1	504.2	496.5	481.3	470.9	455.4	445.1	433.1	429.6
G32.0	490.7	483.6	471.9	463.5	449.7	438.2	422.8	414.5	402.9	399.2
G33.0	460.3	453.5	443.0	435.1	420.3	410.3	395.4	387.6	376.0	371.3
G34.0	431.9	425.4	413.9	406.5	392.9	382.0	369.0	360.4	349.0	344.5
G35.0	401.8	395.3	384.2	377.0	364.1	353.3	341.5	332.1	322.1	317.4
G36.0	374.0	367.5	358.2	351.1	337.4	328.5	316.2	308.3	298.8	294.1

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 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	345.6	342.2	330.0	325.4	310.9	303.8	290.9	286.0	274.0	271.3
G38.0	320.0	315.6	306.6	299.7	288.4	279.1	268.3	262.8	253.6	248.9
G39.0	297.0	292.9	284.3	277.9	266.1	258.3	248.2	242.9	233.3	229.9
G40.0	273.5	268.4	260.7	255.1	244.2	236.6	227.9	221.8	213.8	209.7
G41.0	252.2	248.5	241.1	235.0	225.4	217.8	210.5	204.9	197.1	193.2
G42.0	233.1	229.3	222.0	217.0	206.9	200.9	192.9	188.1	180.8	177.8
G43.0	213.9	209.4	203.2	197.8	189.4	183.0	175.3	171.7	165.0	161.5
G44.0	196.3	193.0	187.4	182.2	173.5	168.0	161.2	157.1	151.2	148.4
G45.0	178.7	177.7	170.6	167.1	158.1	153.9	147.1	144.5	137.7	135.8
G46.0	164.3	162.4	157.1	152.6	145.4	140.1	134.5	131.5	126.3	123.4
G47.0	151.3	148.7	143.9	140.0	133.1	128.7	123.4	120.1	115.7	113.1
G48.0	137.7	135.5	131.0	127.2	121.2	116.4	112.2	109.1	104.8	102.9
G49.0	125.8	124.4	119.9	116.8	110.9	106.9	102.4	100.0	95.6	93.9
G50.0	114.8	113.4	109.9	106.8	101.9	97.7	93.8	91.4	87.9	85.9
G51.0	104.3	102.6	99.6	97.3	92.3	89.0	85.4	83.5	79.8	78.1
G52.0	95.6	94.2	91.3	88.9	84.7	81.4	78.5	76.4	73.5	71.6
G53.0	86.7	86.0	83.0	81.1	76.8	75.2	71.5	70.3	67.2	66.0
G54.0	79.2	78.4	75.7	73.4	70.7	68.5	65.8	64.6	62.1	60.1
G55.0	73.1	71.9	69.3	67.3	64.8	63.4	60.9	59.8	57.5	55.3
G56.0	66.8	66.0	63.1	60.9	59.1	58.3	56.1	55.3	53.1	50.6
G57.0	61.9	60.9	57.7	55.7	54.4	54.1	52.3	51.3	49.1	46.9
G58.0	57.3	56.6	53.0	51.2	49.9	49.9	48.5	47.6	45.6	43.2
G59.0	53.0	51.8	48.1	46.2	45.6	45.8	44.8	43.6	41.5	39.6
G60.0	49.2	48.0	44.0	42.5	41.7	42.1	41.6	40.4	38.2	36.3
G61.0	45.4	44.0	39.7	39.0	38.0	38.8	38.2	37.1	34.5	33.2
G62.0	42.0	39.8	36.3	35.5	34.8	35.2	34.9	33.7	31.3	30.2
G63.0	38.7	36.3	33.0	32.5	31.8	32.1	31.9	30.6	28.5	27.4
G64.0	35.3	32.5	29.8	29.6	28.8	29.0	28.7	27.4	25.4	24.7
G65.0	32.2	29.5	27.0	27.0	26.2	26.3	25.8	24.8	23.0	22.4
G66.0	29.2	26.5	24.5	24.6	23.8	23.8	23.0	22.2	20.8	20.2
G67.0	26.0	23.5	22.2	22.3	21.3	21.1	20.4	19.7	18.5	17.8
G68.0	23.5	21.2	20.1	20.0	19.3	18.9	18.3	17.5	16.6	16.0
G69.0	20.8	19.1	18.0	18.1	17.1	17.0	16.0	15.6	14.5	14.2
G70.0	18.6	17.0	16.3	16.1	15.3	14.9	14.2	13.5	12.8	12.4
G71.0	16.7	15.2	14.6	14.2	13.7	13.3	12.5	11.7	11.2	11.0
G72.0	14.5	13.5	12.8	12.4	12.1	11.5	10.8	10.1	9.6	9.3
G73.0	12.7	11.9	11.3	11.1	10.6	10.1	9.4	8.6	8.1	8.0

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	1202.0	1202.7	1202.0	1203.2	1202.4	1203.5	1207.8			
G1.0	1196.4	1196.5	1195.2	1196.4	1196.2	1196.5	1201.7			
G2.0	1188.6	1189.0	1186.7	1187.9	1187.1	1188.1	1193.3			
G3.0	1177.8	1177.0	1174.6	1176.1	1174.6	1175.9	1181.7			
G4.0	1164.8	1164.5	1161.8	1162.4	1160.6	1161.9	1168.2			
G5.0	1149.7	1148.6	1145.4	1147.0	1145.6	1146.8	1153.0			
G6.0	1130.6	1130.3	1127.0	1127.8	1125.4	1126.9	1134.0			
G7.0	1111.7	1110.7	1106.5	1108.3	1105.5	1106.7	1115.1			
G8.0	1089.7	1090.2	1083.3	1086.1	1082.1	1085.5	1093.8			
G9.0	1067.2	1065.1	1061.1	1061.5	1058.3	1061.0	1069.7			
G10.0	1043.8	1041.9	1036.8	1037.0	1033.1	1035.5	1046.3			
G11.0	1016.0	1015.1	1009.9	1010.2	1005.9	1008.5	1018.9			
G12.0	991.1	988.7	984.0	984.0	979.7	981.6	993.6			
G13.0	965.3	963.7	958.4	958.3	953.6	955.8	967.1			
G14.0	937.2	934.3	928.2	927.9	924.6	926.5	937.2			
G15.0	910.1	908.6	901.1	900.3	896.1	898.1	910.3			
G16.0	881.1	881.5	871.6	872.6	865.1	870.5	878.7			
G17.0	853.9	850.5	842.6	840.4	836.7	837.5	850.5			
G18.0	825.3	821.0	814.3	811.9	806.4	808.7	821.4			
G19.0	794.4	789.9	782.6	780.3	774.3	776.1	787.6			
G20.0	764.3	760.6	751.8	749.7	742.9	746.3	757.5			
G21.0	735.1	731.3	722.3	719.3	712.8	714.5	725.2			
G22.0	702.9	698.7	689.5	686.2	679.2	681.0	691.5			
G23.0	672.9	666.9	657.8	654.0	646.9	648.6	660.2			
G24.0	638.7	636.5	624.0	623.3	612.9	617.5	624.3			
G25.0	608.0	601.8	592.9	587.7	581.8	582.0	592.9			
G26.0	575.8	571.3	560.6	557.0	549.4	550.6	560.0			
G27.0	542.7	538.1	526.9	523.4	515.8	517.1	526.2			
G28.0	512.4	506.0	496.6	491.6	485.7	485.4	494.4			
G29.0	481.2	476.2	466.0	462.0	454.6	455.8	464.5			
G30.0	447.8	442.6	433.1	429.0	422.0	423.0	431.4			
G31.0	419.1	414.3	404.9	401.1	394.5	395.4	403.2			
G32.0	387.4	383.1	374.0	370.3	363.9	365.1	373.8			
G33.0	360.8	356.5	347.8	344.7	338.4	339.5	346.6			
G34.0	335.3	330.1	321.6	319.2	314.3	314.1	322.1			
G35.0	308.9	303.8	296.0	293.9	288.2	289.0	295.5			
G36.0	284.7	280.4	274.0	272.2	266.9	266.3	273.6			

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 10)

Unit: cd

G\C	C300.0	C310.0	C320.0	C330.0	C340.0	C350.0	C360.0			
G37.0	261.5	259.2	251.5	250.7	244.8	246.0	253.0			
G38.0	240.7	237.2	231.2	229.5	224.9	225.0	231.0			
G39.0	222.4	218.9	213.3	211.6	207.4	207.5	212.2			
G40.0	203.2	200.2	194.1	193.1	189.2	189.3	194.0			
G41.0	186.3	183.6	178.6	176.9	173.2	173.3	178.4			
G42.0	171.3	168.0	164.2	162.4	159.0	159.0	163.8			
G43.0	156.1	153.1	148.5	147.1	143.9	144.0	148.3			
G44.0	142.6	139.8	136.2	134.9	131.8	131.8	135.9			
G45.0	129.9	128.4	123.3	122.9	118.9	120.0	124.0			
G46.0	118.6	116.5	112.8	111.3	108.7	108.8	112.4			
G47.0	108.7	106.4	103.2	101.7	99.3	99.4	102.9			
G48.0	98.9	96.6	93.2	92.3	89.9	90.1	93.0			
G49.0	90.3	88.4	85.4	84.2	82.4	82.3	85.1			
G50.0	82.4	80.6	78.1	77.0	75.4	75.3	78.0			
G51.0	74.6	73.1	71.2	70.4	68.9	68.8	71.0			
G52.0	67.9	67.2	65.4	64.9	63.8	63.4	65.6			
G53.0	62.0	61.6	59.9	60.2	58.7	58.7	60.6			
G54.0	56.8	56.1	55.4	55.5	54.4	54.1	55.3			
G55.0	52.0	51.5	51.0	51.8	50.7	50.4	51.2			
G56.0	47.5	47.1	46.9	47.8	46.7	46.4	46.9			
G57.0	44.0	43.5	43.3	44.2	43.5	43.3	43.1			
G58.0	40.4	40.0	39.9	40.8	40.2	40.1	39.4			
G59.0	37.0	36.5	36.3	37.3	36.7	36.8	35.9			
G60.0	33.9	33.6	33.3	34.1	33.7	33.7	32.7			
G61.0	31.0	30.8	30.0	30.9	30.6	30.8	29.6			
G62.0	28.3	27.9	27.5	27.6	27.8	27.8	27.0			
G63.0	25.8	25.5	24.8	24.8	25.1	25.0	24.5			
G64.0	23.3	23.0	22.1	22.1	22.6	22.3	22.1			
G65.0	21.1	20.8	19.9	19.8	20.3	20.0	19.9			
G66.0	19.0	18.9	17.9	17.8	18.1	17.9	17.9			
G67.0	16.9	16.7	15.8	15.7	15.9	15.9	15.9			
G68.0	15.1	14.8	13.9	13.9	14.0	14.0	14.4			
G69.0	13.3	13.1	12.1	12.3	12.1	12.4	12.6			
G70.0	11.7	11.4	10.6	10.7	10.5	10.6	11.2			
G71.0	10.3	10.0	9.4	9.2	9.0	9.3	9.8			
G72.0	8.9	8.6	8.0	7.7	7.6	7.7	8.5			
G73.0	7.6	7.4	6.8	6.5	6.4	6.4	7.2			

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:

