

Report No.:

Test Time: 2023-07-19 09:08

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: MX453A-32W-4FT

Lamp Catalog: 4000K

Number of Lamps:

Luminous Length (mm): 1205

Luminous Height (mm): 85

Current: 0.291 A

Power Factor: 0.990

Lamp Description: 2835

Lumens per Lamp:

Luminous Width (mm): 70

Voltage: 120.2 V

Power: 34.69 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3976.3 lm

Downward Ratio: 90%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 149.2, 228.6, 190.1, 190.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 93.4, 130.9, 109.5, 109.5

Luminaire Efficacy Rating (LER): 114.67

Max. Intensity: 1213.1 cd

S/MH(C0/C180): 1.15

Total Rated Lamp Lumens: 3976.3 lm

Efficiency: 100%

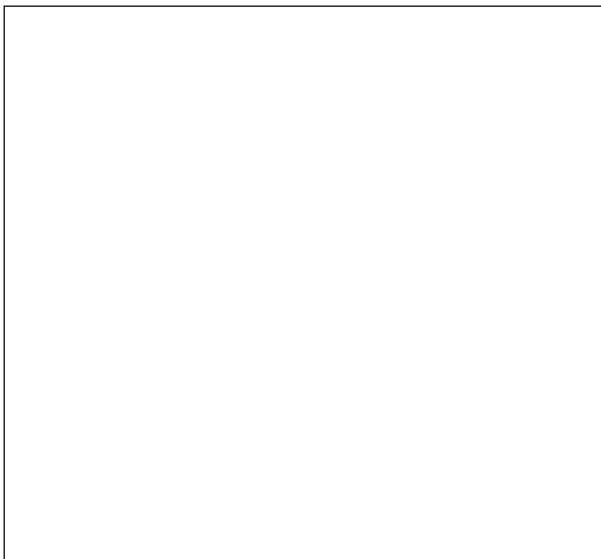
Upward Ratio: 10%

C0r0 Intensity: 1213.1 cd

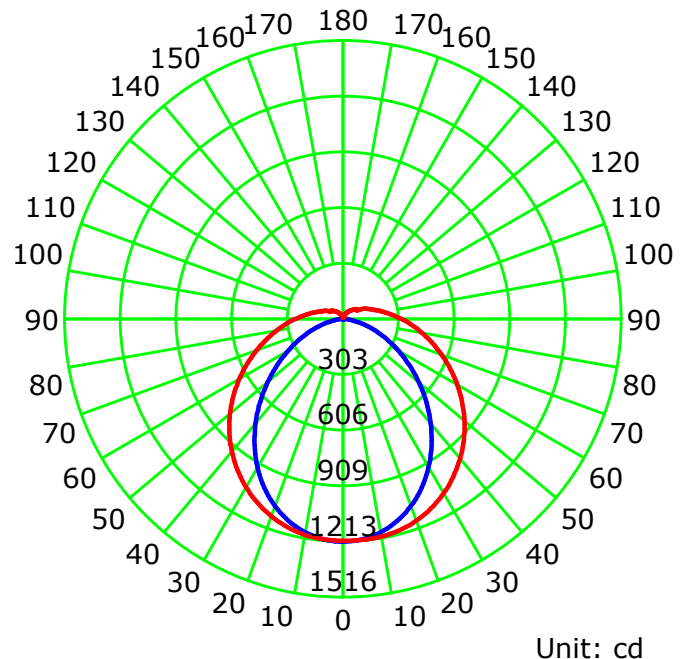
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.32

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

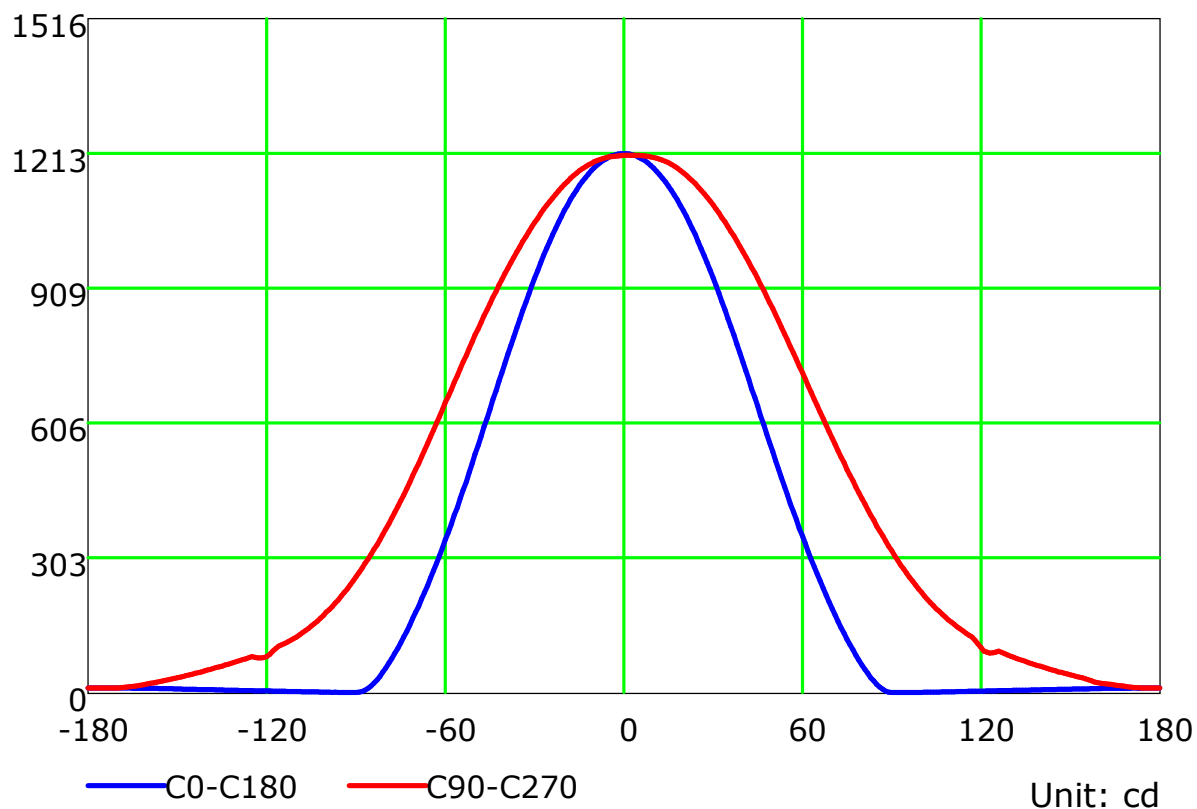
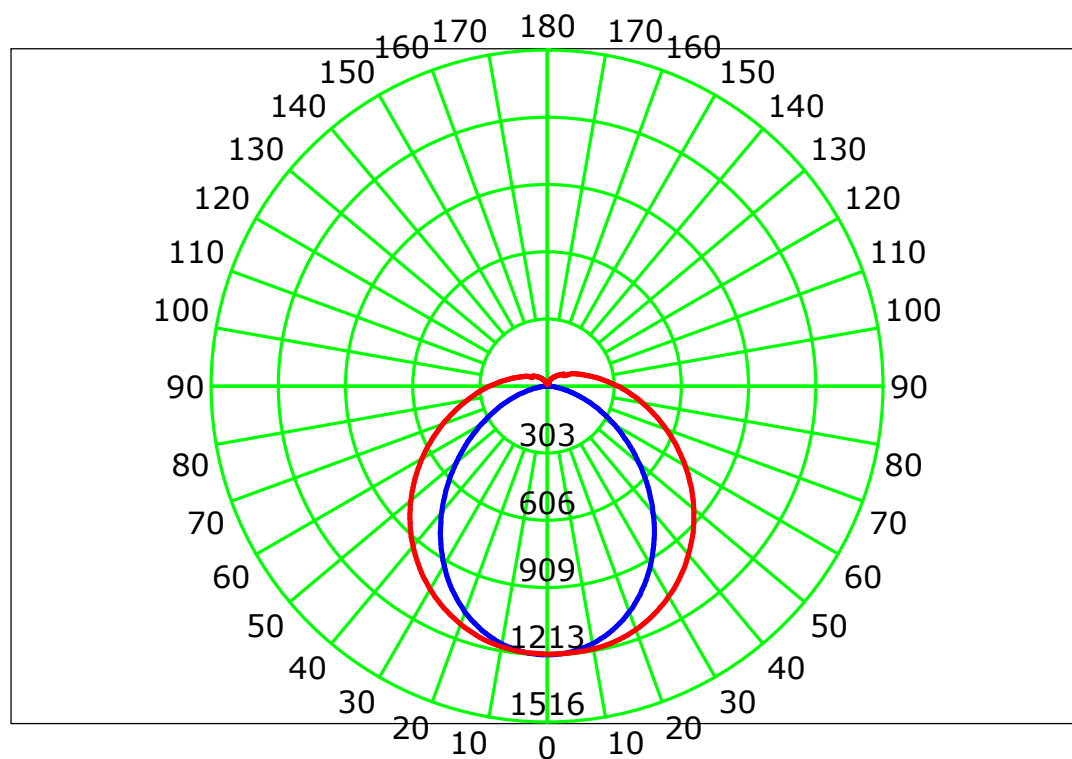
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

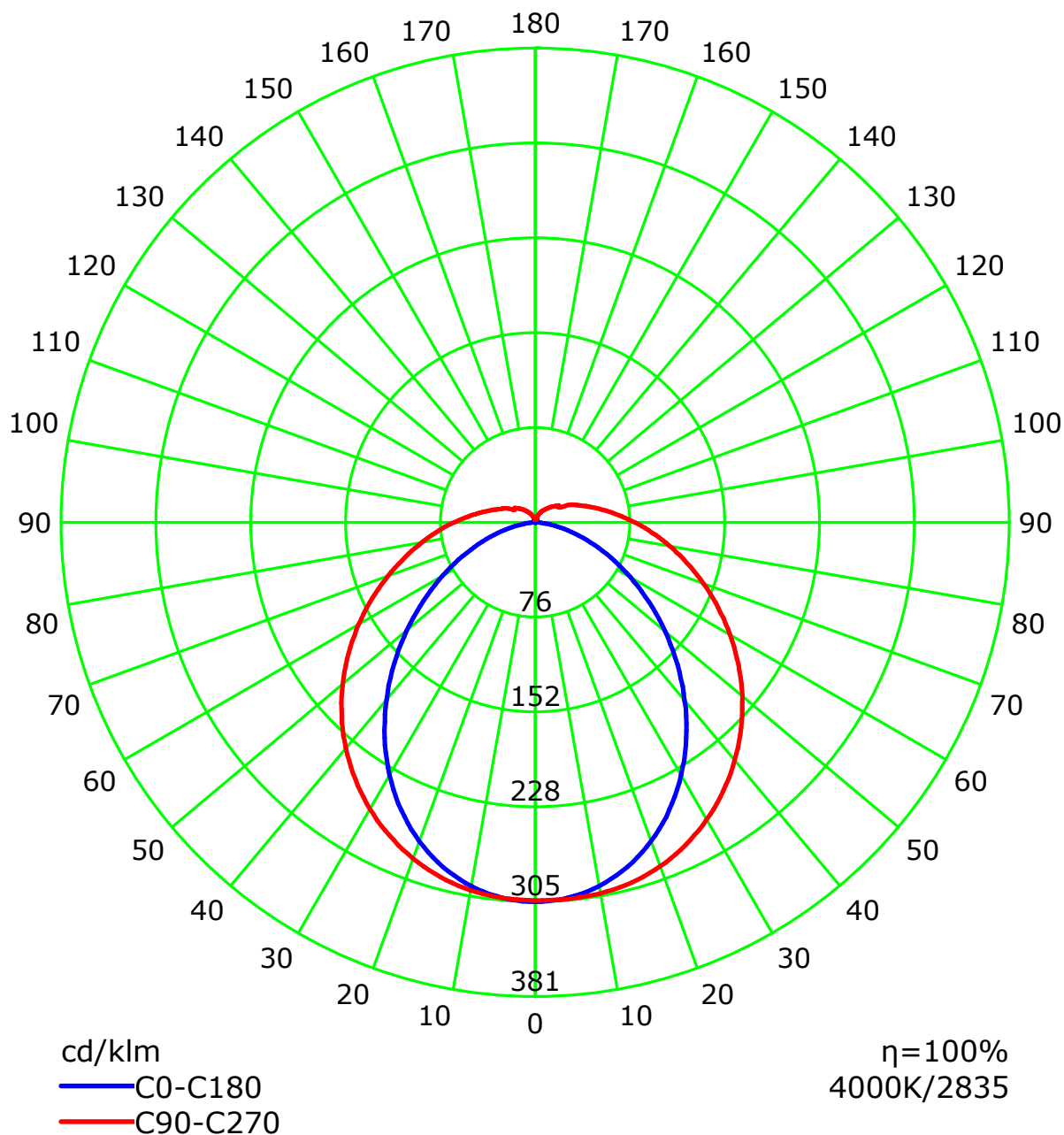
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

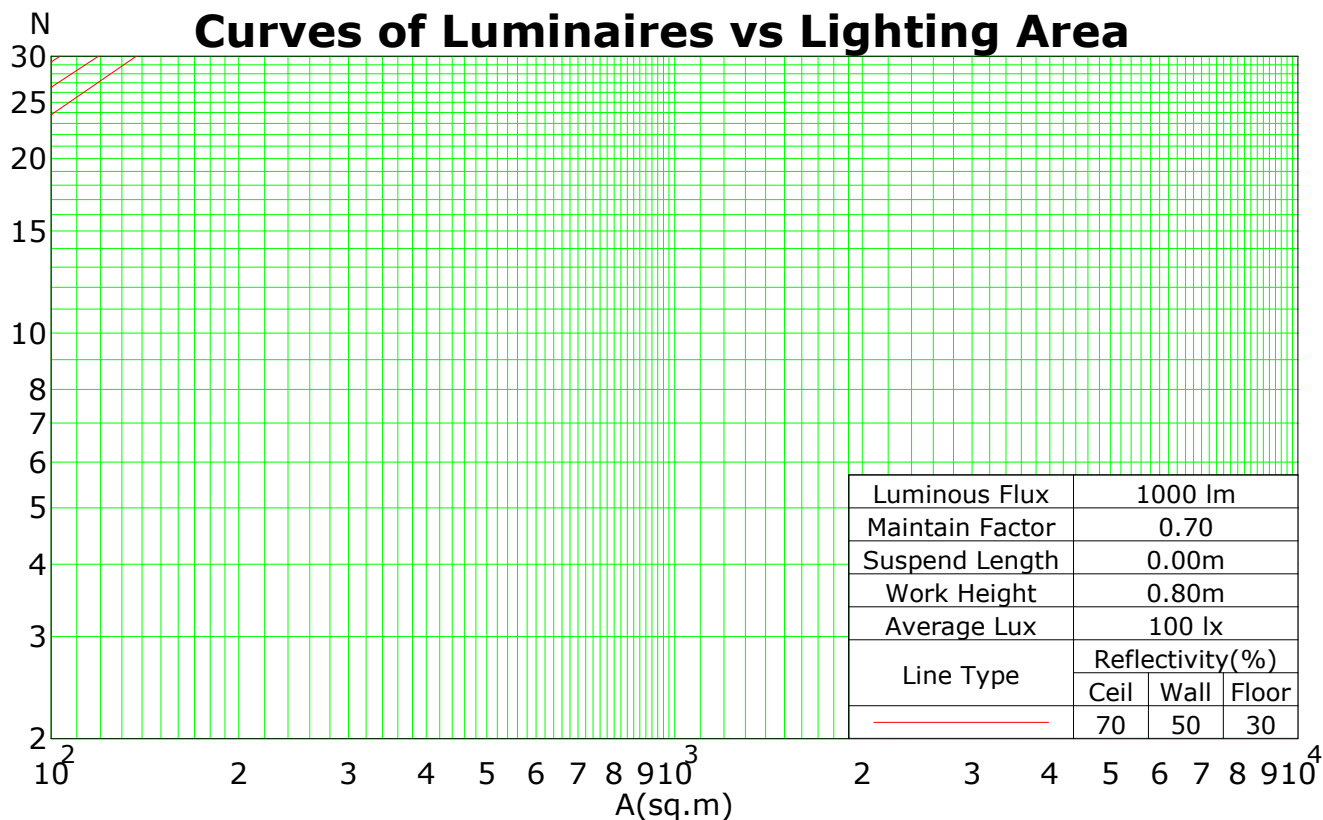
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	1.13	1.06	1.06	1.06	0.99	0.99	0.99	0.93	0.93	0.93	0.90
1	1.05	1.00	0.95	0.91	1.01	0.97	0.92	0.88	0.90	0.87	0.84	0.85	0.82	0.79	0.80	0.77	0.75	0.73
2	0.95	0.86	0.79	0.73	0.92	0.84	0.77	0.71	0.78	0.73	0.68	0.74	0.69	0.65	0.69	0.66	0.62	0.60
3	0.87	0.76	0.67	0.60	0.83	0.73	0.65	0.59	0.69	0.62	0.57	0.65	0.59	0.55	0.61	0.56	0.53	0.50
4	0.79	0.67	0.58	0.51	0.76	0.65	0.57	0.50	0.61	0.54	0.48	0.58	0.52	0.47	0.54	0.49	0.45	0.42
5	0.73	0.60	0.51	0.44	0.70	0.58	0.49	0.43	0.55	0.47	0.42	0.52	0.45	0.40	0.49	0.44	0.39	0.37
6	0.67	0.54	0.45	0.38	0.65	0.52	0.44	0.38	0.49	0.42	0.36	0.47	0.40	0.35	0.44	0.39	0.34	0.32
7	0.62	0.49	0.40	0.34	0.60	0.47	0.39	0.33	0.45	0.38	0.32	0.43	0.36	0.31	0.41	0.35	0.31	0.28
8	0.58	0.44	0.36	0.30	0.56	0.43	0.35	0.30	0.41	0.34	0.29	0.39	0.33	0.28	0.37	0.32	0.27	0.25
9	0.54	0.41	0.32	0.27	0.52	0.40	0.32	0.27	0.38	0.31	0.26	0.36	0.30	0.25	0.34	0.29	0.25	0.23
10	0.51	0.38	0.30	0.24	0.49	0.37	0.29	0.24	0.35	0.28	0.24	0.33	0.27	0.23	0.32	0.26	0.22	0.21

Spacing Criteria (0-180): 1.15

Spacing Criteria (90-270): 1.32

Spacing Criteria (Diagonal): 1.34



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

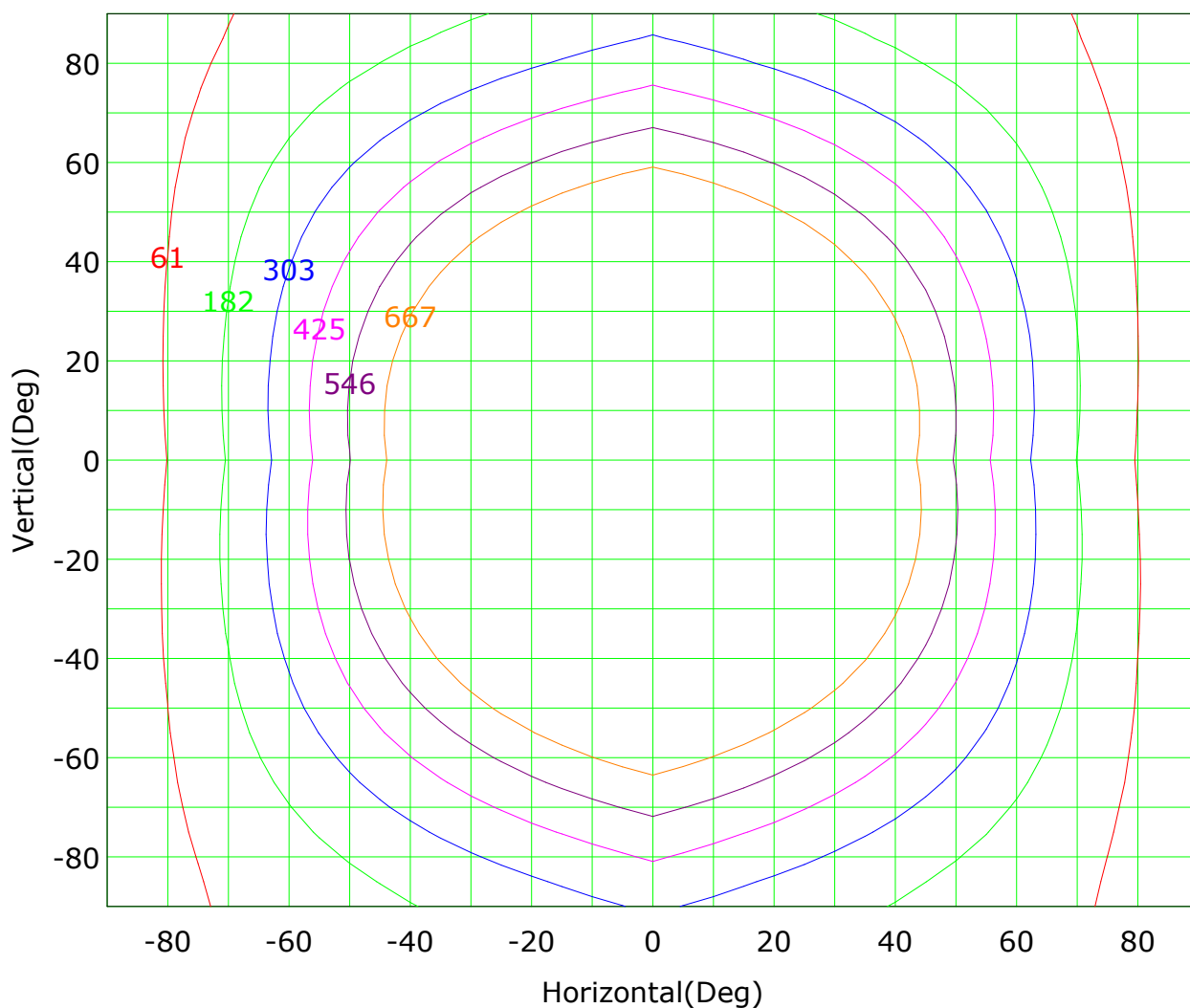
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 1213 cd

(5%):	61 cd	(15%):	182 cd
(25%):	303 cd	(35%):	425 cd
(45%):	546 cd	(55%):	667 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

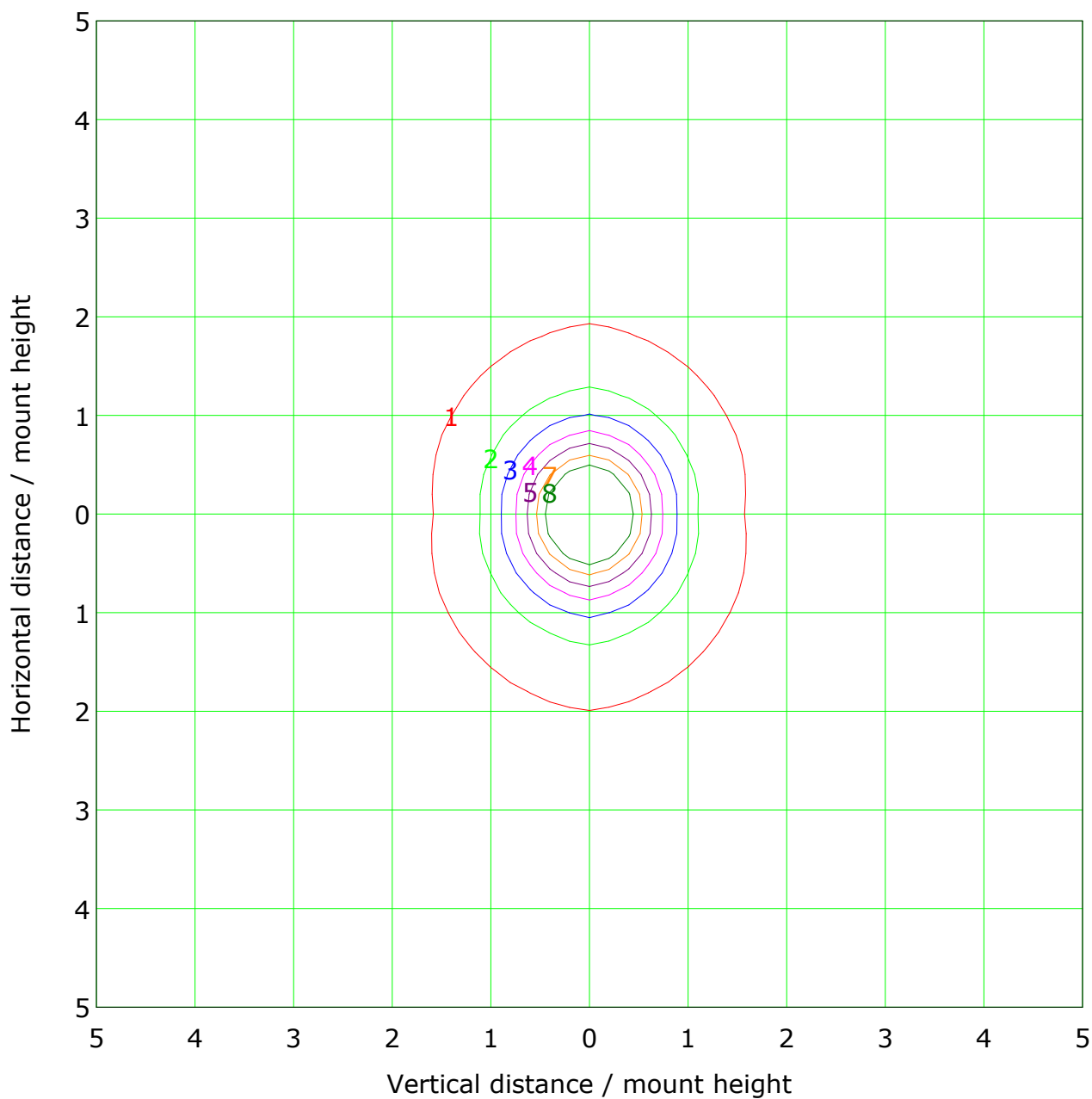
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 12.1 lx	
(5%):	0.6 lx	(15%):	1.8 lx
(25%):	3.0 lx	(35%):	4.2 lx
(45%):	5.5 lx	(55%):	6.7 lx
(65%):	7.9 lx		

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

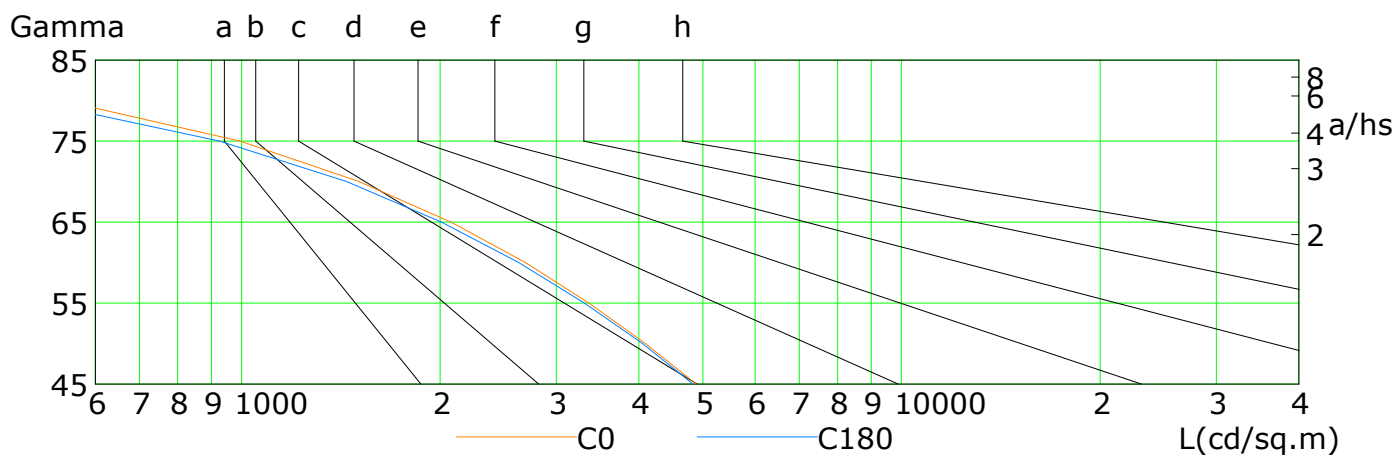
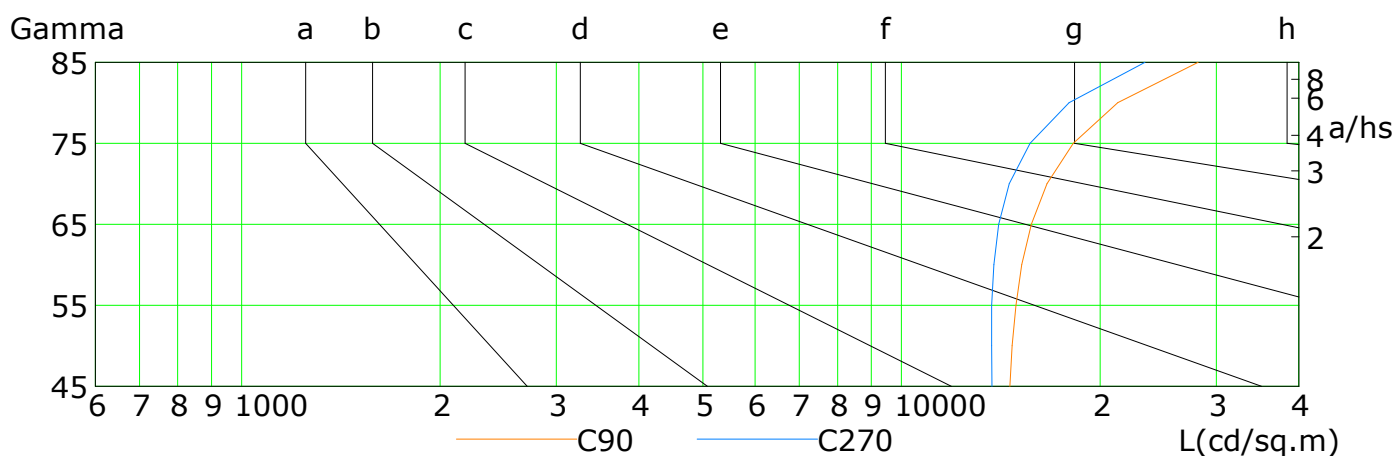
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4883	4091	3362	2692	2077	1505	995	535	169
C90	14593	14719	14902	15212	15727	16618	18204	21277	28166
C180	4831	4049	3307	2628	2007	1440	926	479	133
C270	13712	13692	13691	13800	14036	14559	15658	17945	23384

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

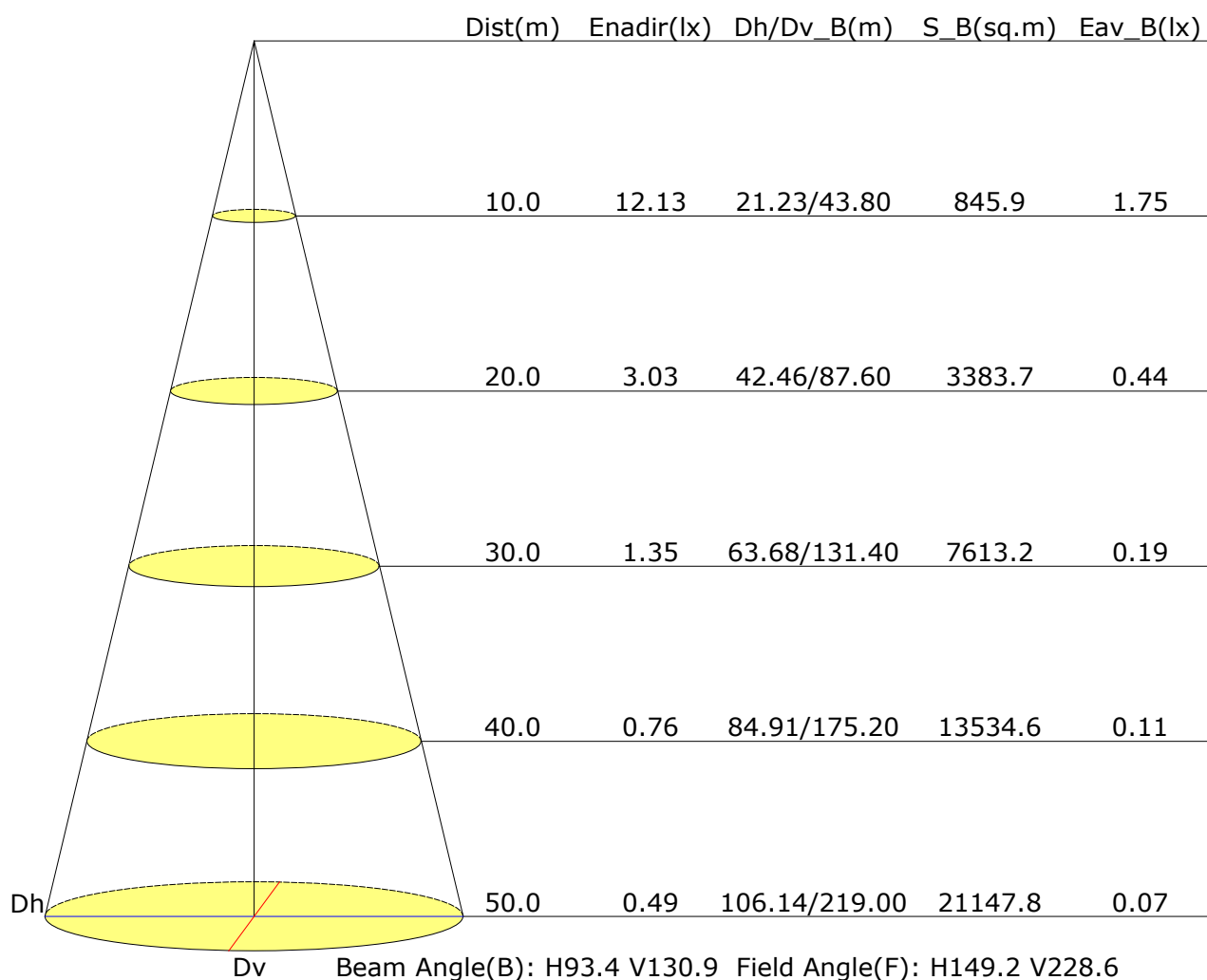
Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

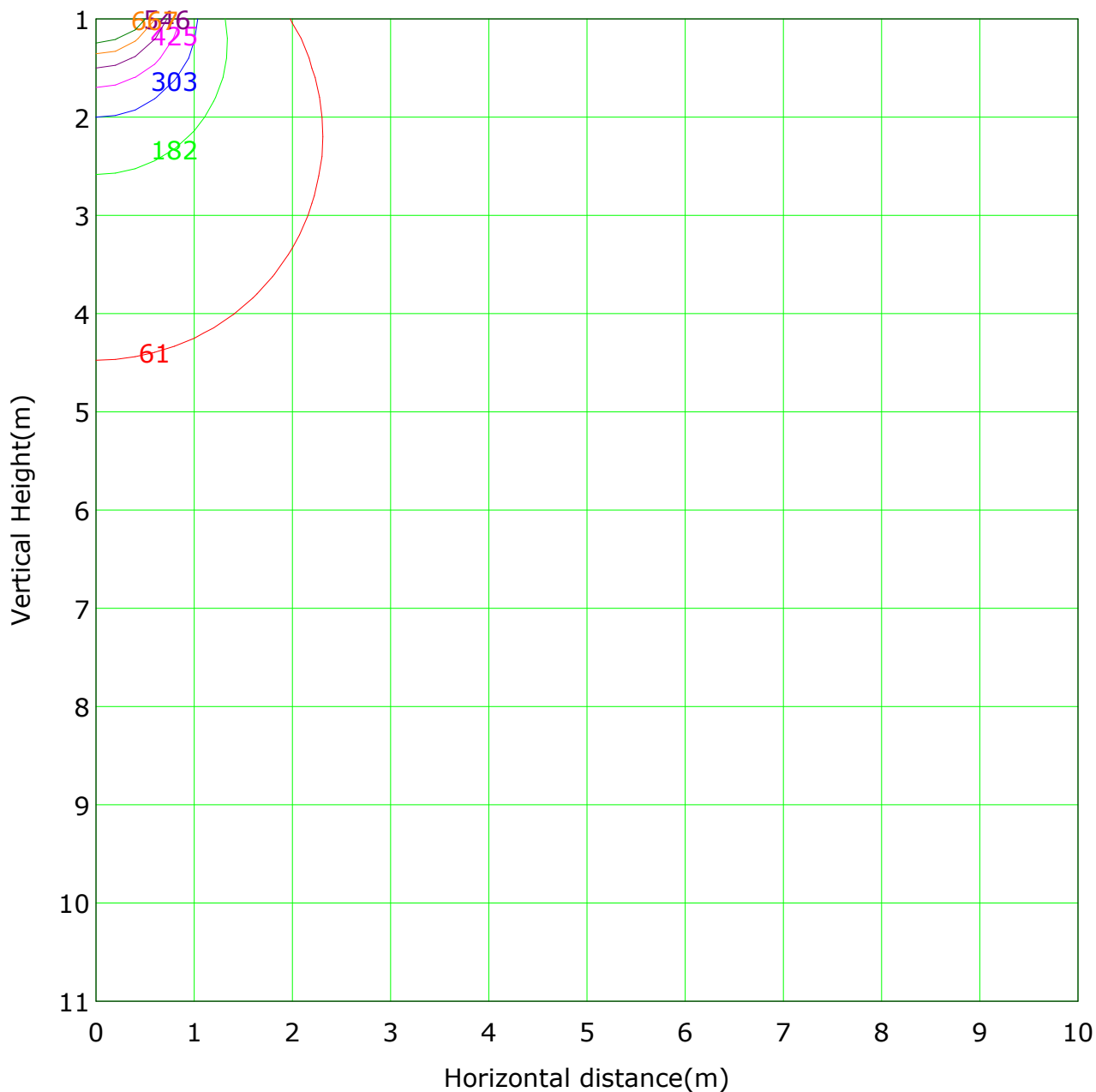
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1213.1 lx

(5%): 60.7 lx	(15%): 182.0 lx
(25%): 303.3 lx	(35%): 424.6 lx
(45%): 545.9 lx	(55%): 667.2 lx
(65%): 788.5 lx	

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Area Flux Table

Unit: lm

Vertical plane																			Orbit, min			
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	ϕ_0	$\text{Flux(T)}/\text{Flux(E)}$		
0.1	0.4	1.0	2.0	3.3	4.7	6.2	7.7	9.0	9.0	7.7	6.3	4.8	3.3	2.1	1.1	0.4	0.1	69.0	63.6			
0.1	0.5	1.4	2.8	4.6	6.7	8.9	10.9	12.5	12.5	10.9	9.0	6.8	4.7	2.9	1.4	0.5	0.1	97.2	94.1			
0.1	0.6	1.8	3.8	6.3	9.3	12.2	14.8	16.8	16.8	14.9	12.3	9.4	6.4	3.9	1.9	0.6	0.1	131.8	129.9			
0.1	0.7	2.3	4.8	8.2	12.0	15.8	19.0	21.4	21.4	19.1	15.8	12.1	8.3	4.9	2.4	0.7	0.1	169.2	167.8			
0.1	0.8	2.7	5.9	10.0	14.7	19.3	23.2	25.8	25.8	23.3	19.4	14.8	10.1	6.0	2.8	0.9	0.1	205.9	204.8			
0.1	0.9	3.1	6.8	11.7	17.2	22.6	27.0	29.7	29.8	27.0	22.7	17.3	11.8	6.9	3.2	1.0	0.1	238.8	237.9			
0.1	1.0	3.4	7.4	13.0	19.3	25.3	30.1	32.9	32.9	30.1	25.3	19.3	13.1	7.6	3.5	1.0	0.1	265.4	264.6			
0.1	1.0	3.5	7.8	13.8	20.6	27.2	32.3	35.1	35.1	32.3	27.2	20.7	13.9	7.9	3.6	1.1	0.1	283.4	282.6			
0.1	1.0	3.5	7.8	14.0	21.1	28.0	33.4	36.2	36.2	33.4	28.0	21.1	14.1	8.0	3.6	1.0	0.1	290.5	289.7			
0.1	1.0	3.5	7.9	14.0	21.2	28.1	33.5	36.3	36.3	33.5	28.1	21.2	14.1	8.0	3.6	1.1	0.1	291.6	290.8			
0.1	1.0	3.6	8.0	14.0	20.9	27.5	32.7	35.6	35.6	32.7	27.6	21.0	14.1	8.1	3.7	1.1	0.1	287.2	286.5			
0.1	1.0	3.5	7.7	13.3	19.7	25.9	30.8	33.8	33.8	30.8	25.9	19.8	13.4	7.8	3.6	1.1	0.1	272.1	271.4			
0.1	1.0	3.3	7.1	12.1	17.9	23.4	28.0	31.0	31.0	28.0	23.5	17.9	12.2	7.2	3.4	1.0	0.1	248.2	247.3			
0.1	0.9	2.9	6.2	10.6	15.5	20.4	24.5	27.4	27.4	24.5	20.5	15.6	10.7	6.3	3.0	0.9	0.1	217.7	216.7			
0.1	0.8	2.5	5.3	8.9	12.9	17.0	20.6	23.2	23.2	20.6	17.1	13.0	9.0	5.4	2.6	0.8	0.1	183.0	181.8			
0.1	0.7	2.0	4.2	7.1	10.3	13.5	16.5	18.8	18.8	16.5	13.6	10.4	7.2	4.3	2.1	0.7	0.1	146.9	145.3			
0.1	0.5	1.6	3.2	5.4	7.8	10.3	12.6	14.6	14.6	12.7	10.3	7.9	5.4	3.3	1.6	0.6	0.1	112.6	110.1			
0.1	0.5	1.3	2.5	4.0	5.7	7.5	9.2	10.8	10.8	9.3	7.5	5.7	4.0	2.5	1.3	0.5	0.1	83.0	79.2			
1.4	14.2	46.9	101.2	174.2	257.6	339.3	406.8	451.0	451.1	407.2	340.1	258.9	175.8	102.9	48.3	15.0	1.6	3593				
0.0	6.6	42.6	99.7	174.1	257.6	339.3	406.8	451.0	451.1	407.2	340.1	258.9	175.8	101.5	44.3	7.6	0.0		3564			

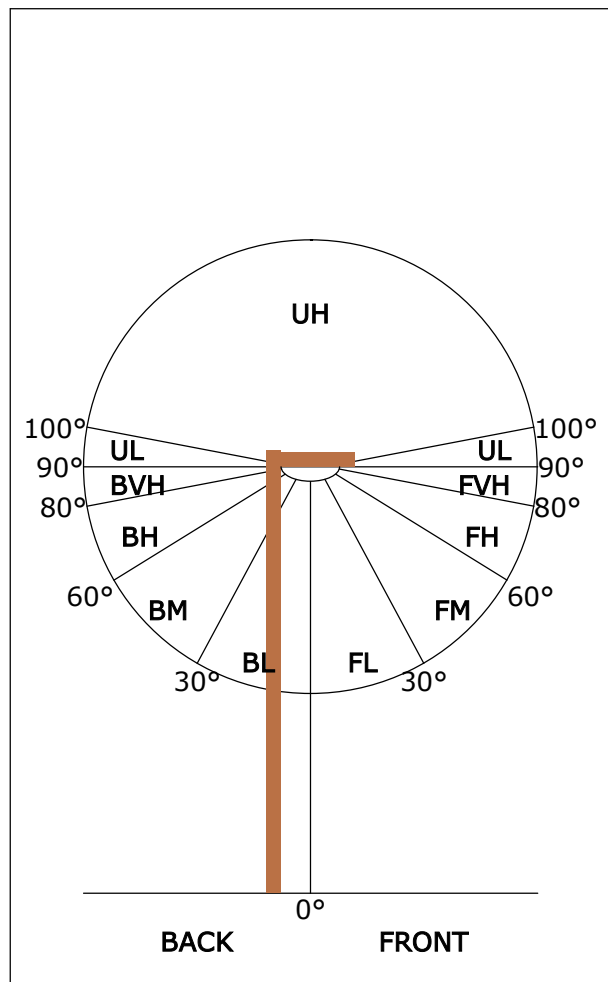
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	16.2	17.5	16.6	17.9	18.3	20.1	21.4	20.6	21.8	22.3
3H	16.9	18.1	17.4	18.5	19.0	22.3	23.5	22.7	23.9	24.4
4H	17.1	18.2	17.6	18.7	19.2	23.4	24.5	23.9	25.0	25.5
6H	17.2	18.2	17.7	18.7	19.2	24.6	25.7	25.1	26.1	26.7
8H	17.2	18.2	17.7	18.7	19.2	25.3	26.3	25.8	26.7	27.3
12H	17.1	18.1	17.7	18.6	19.1	25.9	26.9	26.5	27.4	27.9
X=4H Y=2H	17.1	18.2	17.6	18.7	19.2	20.3	21.4	20.8	21.8	22.3
3H	18.1	19.0	18.6	19.5	20.1	22.6	23.5	23.1	24.0	24.6
4H	18.4	19.3	19.0	19.8	20.4	23.8	24.7	24.4	25.2	25.8
6H	18.6	19.3	19.1	19.9	20.5	25.2	26.0	25.8	26.5	27.1
8H	18.6	19.3	19.2	19.9	20.5	25.9	26.6	26.5	27.2	27.8
12H	18.6	19.2	19.2	19.8	20.5	26.7	27.4	27.3	27.9	28.6
X=8H Y=4H	19.0	19.8	19.6	20.3	20.9	23.9	24.6	24.4	25.1	25.8
6H	19.4	20.0	20.0	20.6	21.2	25.3	25.9	25.9	26.5	27.2
8H	19.5	20.0	20.1	20.6	21.3	26.2	26.7	26.8	27.3	28.0
12H	19.5	20.0	20.2	20.6	21.3	27.1	27.6	27.7	28.2	28.9
X=12H Y=4H	19.2	19.8	19.8	20.4	21.1	23.8	24.5	24.4	25.1	25.7
6H	19.7	20.2	20.3	20.8	21.5	25.3	25.8	26.0	26.5	27.1
8H	19.8	20.3	20.5	20.9	21.6	26.2	26.6	26.8	27.3	28.0
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.2/-0.2				
S=1.5H	+0.5/-0.9					+0.6/-0.6				
S=2.0H	+0.8/-1.6					+1.0/-1.2				

Calculate in accordance with CIE Pub.117. The table is revised with 3976lm ($8\log(F/F_0) = 4.8$).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1843	46.3
FL (0°-30°)	470	11.8
FM (30°-60°)	875	22.0
FH (60°-80°)	389	9.8
FVH (80°-90°)	108	2.7
BACK LIGHT	1751	44.0
BL (0°-30°)	464	11.7
BM (30°-60°)	843	21.2
BH (60°-80°)	353	8.9
BVH (80°-90°)	91	2.3
UP LIGHT	383	9.6
UL (90°-100°)	133	3.4
UH (100°-180°)	249	6.3
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1213.1	1208.8	1213.1	1208.8	1213.1					
G1.0	1212.8	1209.1	1212.9	1208.3	1212.8					
G2.0	1212.0	1209.2	1212.2	1207.7	1212.0					
G3.0	1210.1	1209.3	1210.1	1207.1	1210.1					
G4.0	1208.1	1209.0	1208.1	1206.4	1208.1					
G5.0	1204.9	1208.8	1205.5	1205.2	1204.9					
G6.0	1201.2	1208.3	1201.5	1203.9	1201.2					
G7.0	1197.4	1207.5	1197.7	1202.0	1197.4					
G8.0	1192.5	1206.7	1192.6	1199.8	1192.5					
G9.0	1186.4	1205.8	1187.4	1197.4	1186.4					
G10.0	1180.6	1204.4	1181.1	1194.9	1180.6					
G11.0	1173.3	1202.4	1174.3	1190.8	1173.3					
G12.0	1166.0	1200.8	1166.8	1187.5	1166.0					
G13.0	1158.1	1198.2	1158.4	1183.1	1158.1					
G14.0	1149.1	1195.5	1149.8	1178.8	1149.1					
G15.0	1140.3	1192.2	1141.2	1174.2	1140.3					
G16.0	1130.7	1188.6	1130.5	1168.5	1130.7					
G17.0	1119.2	1184.5	1120.0	1162.8	1119.2					
G18.0	1108.8	1180.3	1109.8	1157.0	1108.8					
G19.0	1096.6	1174.9	1097.0	1150.4	1096.6					
G20.0	1084.4	1169.8	1085.4	1143.6	1084.4					
G21.0	1072.3	1164.8	1071.3	1136.1	1072.3					
G22.0	1058.4	1158.2	1058.6	1129.1	1058.4					
G23.0	1044.7	1152.1	1044.7	1121.6	1044.7					
G24.0	1031.2	1145.8	1029.5	1112.7	1031.2					
G25.0	1014.7	1137.9	1015.0	1104.6	1014.7					
G26.0	999.5	1130.9	1000.5	1096.4	999.5					
G27.0	983.3	1122.6	983.5	1087.3	983.3					
G28.0	966.9	1114.8	967.2	1078.0	966.9					
G29.0	950.9	1106.5	949.6	1067.4	950.9					
G30.0	933.2	1097.2	932.7	1058.1	933.2					
G31.0	915.7	1088.2	915.2	1047.8	915.7					
G32.0	899.0	1079.4	896.6	1036.8	899.0					
G33.0	879.7	1068.9	878.4	1026.3	879.7					
G34.0	861.4	1059.0	859.9	1015.4	861.4					
G35.0	842.0	1048.6	840.4	1003.2	842.0					
G36.0	823.7	1037.8	821.5	992.3	823.7					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	804.1	1027.6	800.3	979.5	804.1					
G38.0	784.1	1016.3	781.0	967.5	784.1					
G39.0	765.5	1004.7	762.2	955.4	765.5					
G40.0	743.5	992.7	740.5	942.4	743.5					
G41.0	724.3	981.1	720.1	929.5	724.3					
G42.0	705.4	969.0	701.2	917.5	705.4					
G43.0	683.5	956.2	679.3	903.0	683.5					
G44.0	664.2	944.5	660.1	890.3	664.2					
G45.0	644.9	931.8	638.0	875.5	644.9					
G46.0	622.8	918.3	617.8	862.0	622.8					
G47.0	603.2	905.8	598.5	848.1	603.2					
G48.0	582.2	891.6	576.5	833.4	582.2					
G49.0	562.7	878.0	556.4	819.0	562.7					
G50.0	542.8	865.1	537.2	804.8	542.8					
G51.0	522.0	850.5	515.6	789.0	522.0					
G52.0	503.4	836.6	496.0	775.0	503.4					
G53.0	483.8	822.6	474.6	759.0	483.8					
G54.0	463.6	807.3	456.3	744.3	463.6					
G55.0	444.7	793.6	437.5	729.1	444.7					
G56.0	424.5	778.5	416.6	713.6	424.5					
G57.0	406.7	763.9	399.1	698.6	406.7					
G58.0	389.0	749.4	379.0	682.0	389.0					
G59.0	369.3	734.5	361.5	667.6	369.3					
G60.0	352.3	720.0	343.9	653.1	352.3					
G61.0	335.0	705.6	325.2	636.5	335.0					
G62.0	316.5	689.8	308.1	621.6	316.5					
G63.0	300.2	675.8	291.4	606.6	300.2					
G64.0	282.5	659.6	274.0	590.5	282.5					
G65.0	266.9	645.5	257.9	576.0	266.9					
G66.0	251.5	631.7	240.8	560.6	251.5					
G67.0	234.1	616.1	225.2	545.3	234.1					
G68.0	219.5	601.6	210.8	530.8	219.5					
G69.0	204.3	587.8	194.3	515.7	204.3					
G70.0	188.3	572.3	180.2	501.4	188.3					
G71.0	174.6	558.7	166.4	487.9	174.6					
G72.0	160.0	544.2	151.5	472.9	160.0					
G73.0	146.3	530.3	138.0	459.1	146.3					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	133.6	517.3	124.7	444.4	133.6					
G75.0	120.1	502.0	111.8	431.8	120.1					
G76.0	108.1	489.5	99.5	418.7	108.1					
G77.0	95.9	476.7	88.2	405.4	95.9					
G78.0	84.3	462.4	76.5	392.7	84.3					
G79.0	73.1	450.1	66.3	379.9	73.1					
G80.0	61.8	436.3	55.3	368.0	61.8					
G81.0	52.1	424.4	46.3	355.9	52.1					
G82.0	43.3	411.9	36.5	344.2	43.3					
G83.0	33.7	399.3	28.6	332.8	33.7					
G84.0	26.3	387.6	21.5	322.0	26.3					
G85.0	18.5	374.0	14.6	310.5	18.5					
G86.0	12.9	364.1	9.5	300.6	12.9					
G87.0	7.9	352.6	5.4	290.4	7.9					
G88.0	3.6	340.8	2.3	280.2	3.6					
G89.0	1.1	329.9	0.7	270.5	1.1					
G90.0	0.1	319.2	0.2	260.3	0.1					
G91.0	0.0	307.9	0.1	250.9	0.0					
G92.0	0.0	298.5	0.0	242.2	0.0					
G93.0	0.2	287.7	0.3	233.4	0.2					
G94.0	0.0	278.5	0.4	224.9	0.0					
G95.0	0.1	269.3	0.5	217.1	0.1					
G96.0	0.2	259.7	0.6	208.6	0.2					
G97.0	0.0	251.0	0.7	201.5	0.0					
G98.0	0.5	242.2	0.6	193.4	0.5					
G99.0	0.7	233.6	1.0	186.9	0.7					
G100.0	0.4	225.7	1.1	180.8	0.4					
G101.0	0.8	217.5	1.2	173.6	0.8					
G102.0	0.7	209.9	1.4	167.6	0.7					
G103.0	0.9	202.8	1.5	161.0	0.9					
G104.0	1.1	195.5	1.6	155.5	1.1					
G105.0	0.9	188.4	1.6	150.2	0.9					
G106.0	1.1	183.1	2.0	144.6	1.1					
G107.0	1.6	176.3	1.9	139.7	1.6					
G108.0	1.8	170.4	2.1	134.7	1.8					
G109.0	1.8	164.0	2.2	129.8	1.8					
G110.0	2.0	158.6	2.4	125.1	2.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 13.500 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	2.1	153.6	2.5	121.1	2.1					
G112.0	2.4	148.2	2.8	117.7	2.4					
G113.0	2.3	143.4	2.9	114.4	2.3					
G114.0	2.5	138.8	2.9	110.7	2.5					
G115.0	2.6	133.8	3.1	107.6	2.6					
G116.0	3.0	129.4	3.3	104.6	3.0					
G117.0	2.9	124.8	3.3	98.9	2.9					
G118.0	3.2	117.8	3.6	93.4	3.2					
G119.0	3.4	110.1	3.6	85.9	3.4					
G120.0	3.5	101.0	3.9	81.2	3.5					
G121.0	3.5	93.4	3.9	79.1	3.5					
G122.0	3.7	90.8	4.2	77.8	3.7					
G123.0	3.7	88.6	4.3	78.4	3.7					
G124.0	3.9	89.6	4.3	79.7	3.9					
G125.0	4.0	91.1	4.5	80.7	4.0					
G126.0	4.4	93.4	4.7	78.6	4.4					
G127.0	4.3	90.2	4.7	76.2	4.3					
G128.0	4.5	87.3	5.0	74.3	4.5					
G129.0	4.7	84.5	5.0	72.1	4.7					
G130.0	5.0	81.6	5.3	70.0	5.0					
G131.0	5.1	79.3	5.3	67.8	5.1					
G132.0	5.2	76.9	5.5	65.9	5.2					
G133.0	5.2	74.5	5.7	63.8	5.2					
G134.0	5.5	72.2	5.7	62.1	5.5					
G135.0	5.6	69.9	6.1	59.6	5.6					
G136.0	5.8	67.6	6.0	58.0	5.8					
G137.0	6.0	65.4	6.4	56.2	6.0					
G138.0	6.2	63.2	6.6	54.0	6.2					
G139.0	6.3	61.2	6.6	52.3	6.3					
G140.0	6.3	59.3	6.7	50.6	6.3					
G141.0	6.6	57.0	7.0	48.5	6.6					
G142.0	6.7	55.1	6.9	46.6	6.7					
G143.0	6.7	53.2	7.2	45.3	6.7					
G144.0	7.1	50.9	7.3	43.5	7.1					
G145.0	7.1	49.3	7.6	41.7	7.1					
G146.0	7.4	46.6	7.7	40.1	7.4					
G147.0	7.4	45.8	7.9	38.5	7.4					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	7.5	43.9	7.8	36.7	7.5					
G149.0	7.8	42.0	8.1	35.2	7.8					
G150.0	7.9	40.2	8.0	33.8	7.9					
G151.0	8.1	38.6	8.6	31.9	8.1					
G152.0	8.2	36.7	8.8	30.9	8.2					
G153.0	8.3	35.2	9.0	29.3	8.3					
G154.0	8.3	33.3	8.9	27.5	8.3					
G155.0	8.5	31.3	9.1	26.3	8.5					
G156.0	8.6	29.3	9.2	24.6	8.6					
G157.0	8.9	26.7	9.5	23.2	8.9					
G158.0	8.9	24.2	9.6	22.1	8.9					
G159.0	9.3	22.4	9.6	20.9	9.3					
G160.0	9.3	21.3	9.8	19.5	9.3					
G161.0	9.6	20.5	9.6	18.5	9.6					
G162.0	9.4	20.1	10.0	17.1	9.4					
G163.0	9.6	19.3	10.1	16.2	9.6					
G164.0	9.6	18.5	10.0	15.0	9.6					
G165.0	9.8	17.2	10.1	14.2	9.8					
G166.0	9.8	16.3	10.3	13.4	9.8					
G167.0	9.9	15.4	10.3	12.5	9.9					
G168.0	9.7	14.6	10.1	11.8	9.7					
G169.0	10.0	13.7	10.3	11.2	10.0					
G170.0	10.1	12.5	10.4	10.7	10.1					
G171.0	10.1	11.9	10.5	10.5	10.1					
G172.0	10.1	11.3	10.6	10.5	10.1					
G173.0	10.1	10.9	10.6	10.3	10.1					
G174.0	10.2	10.6	10.5	10.3	10.2					
G175.0	10.2	10.3	10.6	10.3	10.2					
G176.0	10.3	10.1	10.4	10.5	10.3					
G177.0	10.2	10.3	10.7	10.5	10.2					
G178.0	10.4	10.5	10.5	10.5	10.4					
G179.0	10.5	10.3	10.5	10.6	10.5					
G180.0	10.2	10.4	10.5	10.4	10.2					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 13.500 m [K=1.0000]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	7360.75
L 0-180(75) av	5312.54
L 0-180(85) av	2251.22
L 90-270(65) av	17132.73
L 90-270(75) av	21388.70
L 90-270(85) av	46557.31
L 45(65) av	12246.74
L 45(75) av	13350.62
L 45(85) av	24404.26

Standard: GB/T 29293-2012