

Report No.:

Test Time: 2023-08-01 17:52

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps:

Luminous Length (mm): 1200

Luminous Height (mm): 40

Current: 0.268 A

Power Factor: 0.991

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 100

Voltage: 119.9 V

Power: 32.82 W

Photometric Results

CIE Class: Direct

Measurement Flux: 4577.4 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 208.9, 161.2, 187.7, 187.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.3, 105.6, 114.7, 114.8

Luminous Efficacy (lm/w): 139.47

Max. Intensity: 1380.86 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 4577.4 lm

Efficiency: 100%

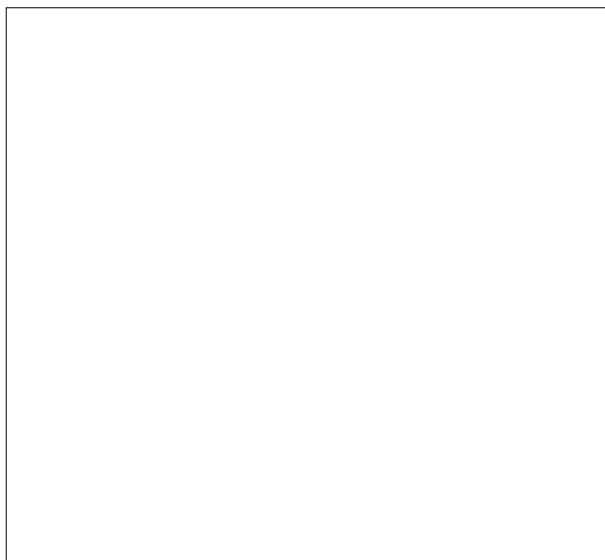
Upward Ratio: 7%

C0r0 Intensity: 1379.94 cd

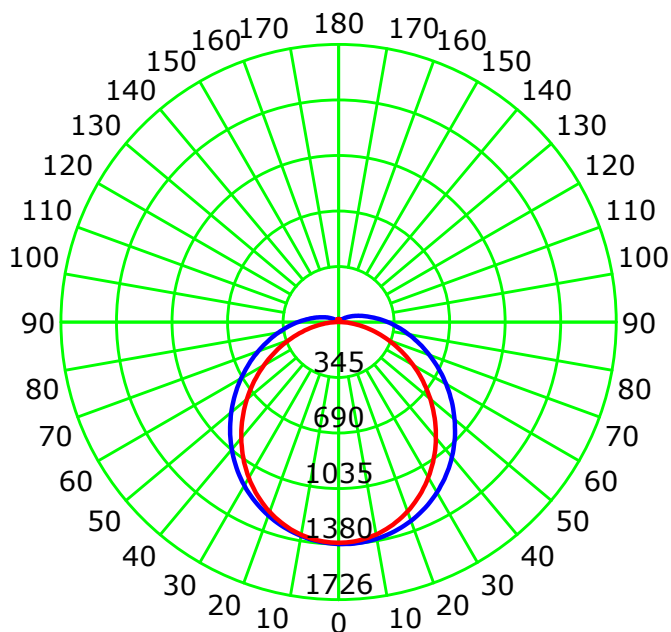
Pos of Max. Intensity: H0 V3

S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

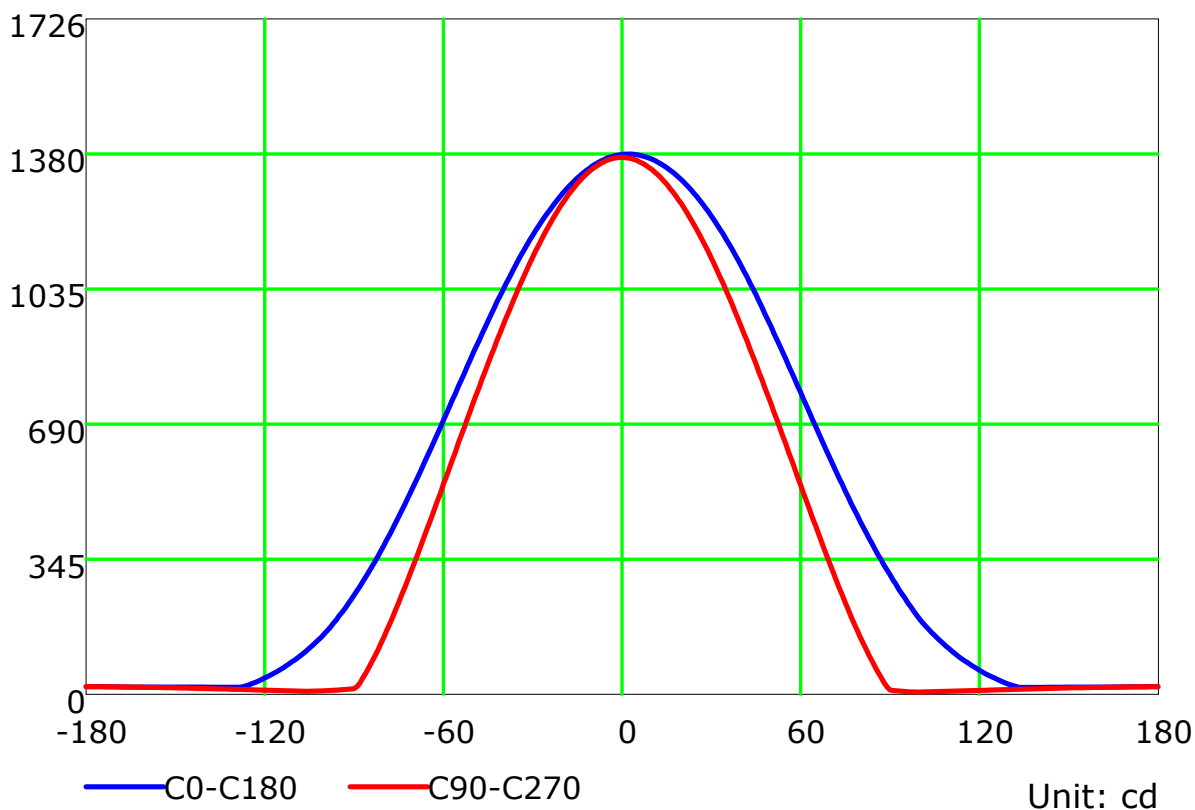
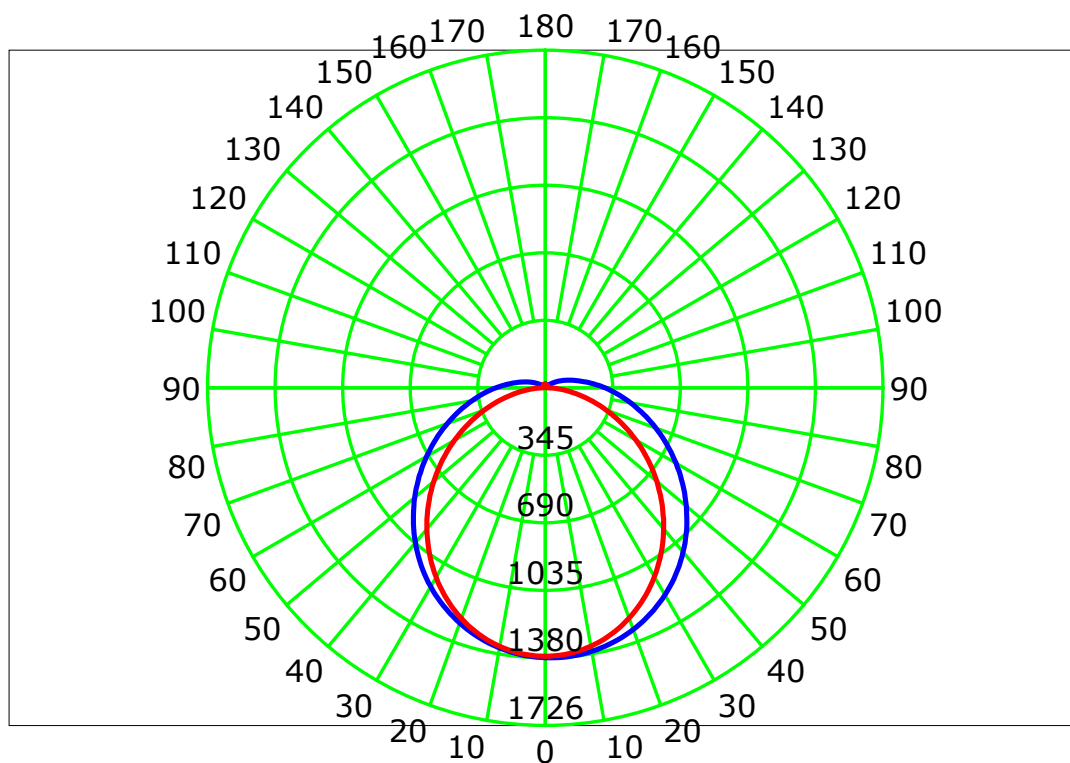
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

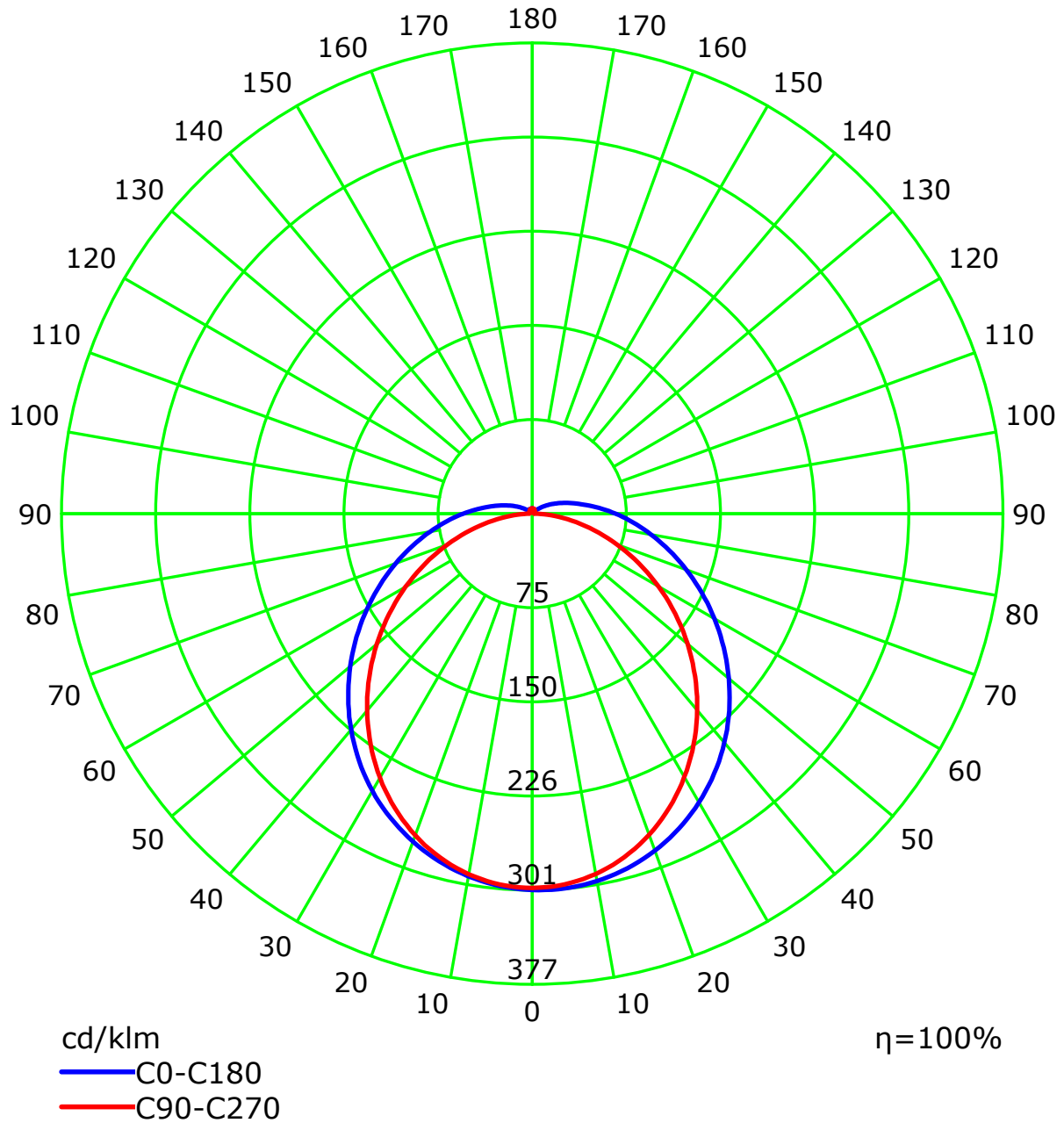
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



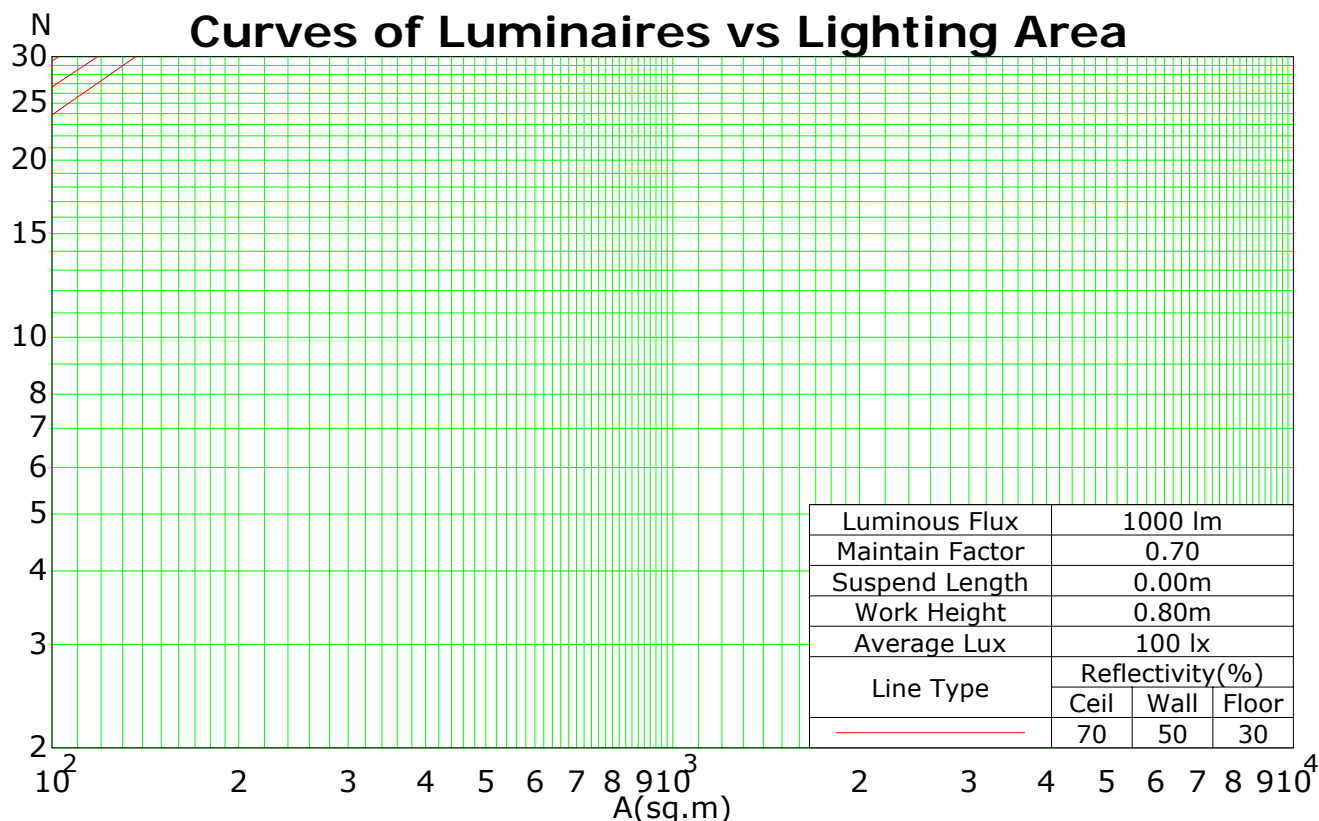
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
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	1.14	1.14	1.14	1.14	1.07	1.07	1.07	1.02	1.02	1.02	0.96	0.96	0.96	0.93
1	1.05	1.00	0.95	0.91	1.02	0.97	0.93	0.88	0.92	0.88	0.84	0.86	0.83	0.81	0.82	0.79	0.77	0.75
2	0.95	0.86	0.79	0.73	0.92	0.84	0.77	0.71	0.79	0.73	0.69	0.75	0.70	0.66	0.71	0.67	0.64	0.61
3	0.87	0.75	0.67	0.60	0.83	0.73	0.65	0.59	0.69	0.62	0.57	0.66	0.60	0.55	0.62	0.57	0.53	0.51
4	0.79	0.67	0.57	0.50	0.76	0.65	0.56	0.50	0.61	0.54	0.48	0.58	0.52	0.47	0.55	0.50	0.45	0.43
5	0.73	0.59	0.50	0.43	0.70	0.58	0.49	0.43	0.55	0.47	0.41	0.52	0.46	0.40	0.50	0.44	0.39	0.37
6	0.67	0.53	0.44	0.37	0.65	0.52	0.43	0.37	0.50	0.42	0.36	0.47	0.40	0.35	0.45	0.39	0.35	0.32
7	0.62	0.48	0.39	0.33	0.60	0.47	0.39	0.33	0.45	0.37	0.32	0.43	0.36	0.31	0.41	0.35	0.31	0.28
8	0.58	0.44	0.35	0.29	0.56	0.43	0.35	0.29	0.41	0.34	0.28	0.39	0.33	0.28	0.38	0.32	0.27	0.25
9	0.54	0.40	0.32	0.26	0.52	0.39	0.32	0.26	0.38	0.31	0.26	0.36	0.30	0.25	0.35	0.29	0.25	0.23
10	0.51	0.37	0.29	0.24	0.49	0.36	0.29	0.24	0.35	0.28	0.23	0.34	0.27	0.23	0.32	0.27	0.22	0.21

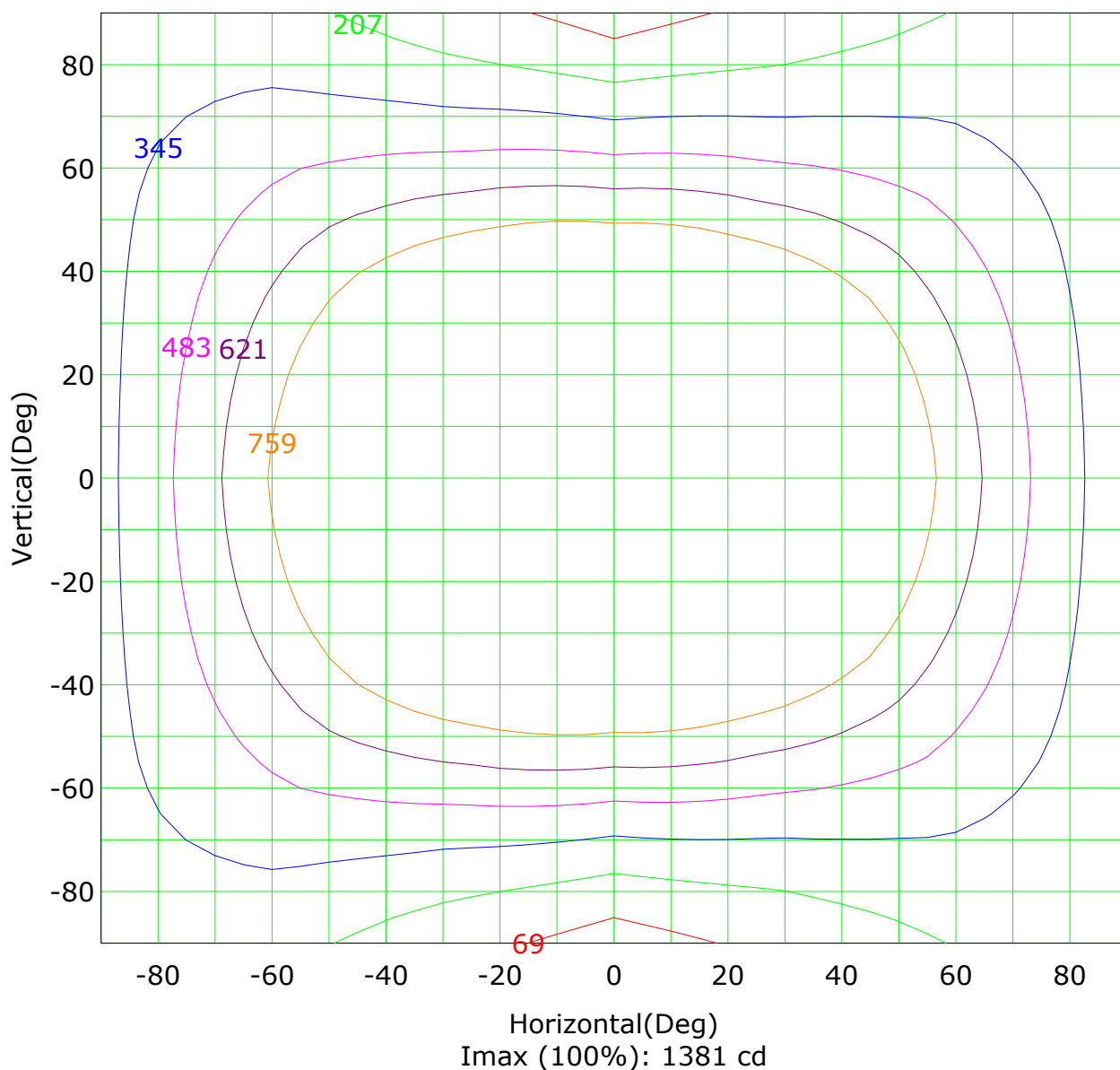
Spacing Criteria (0-180): 1.29
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.37



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Isocandela (rectangle)

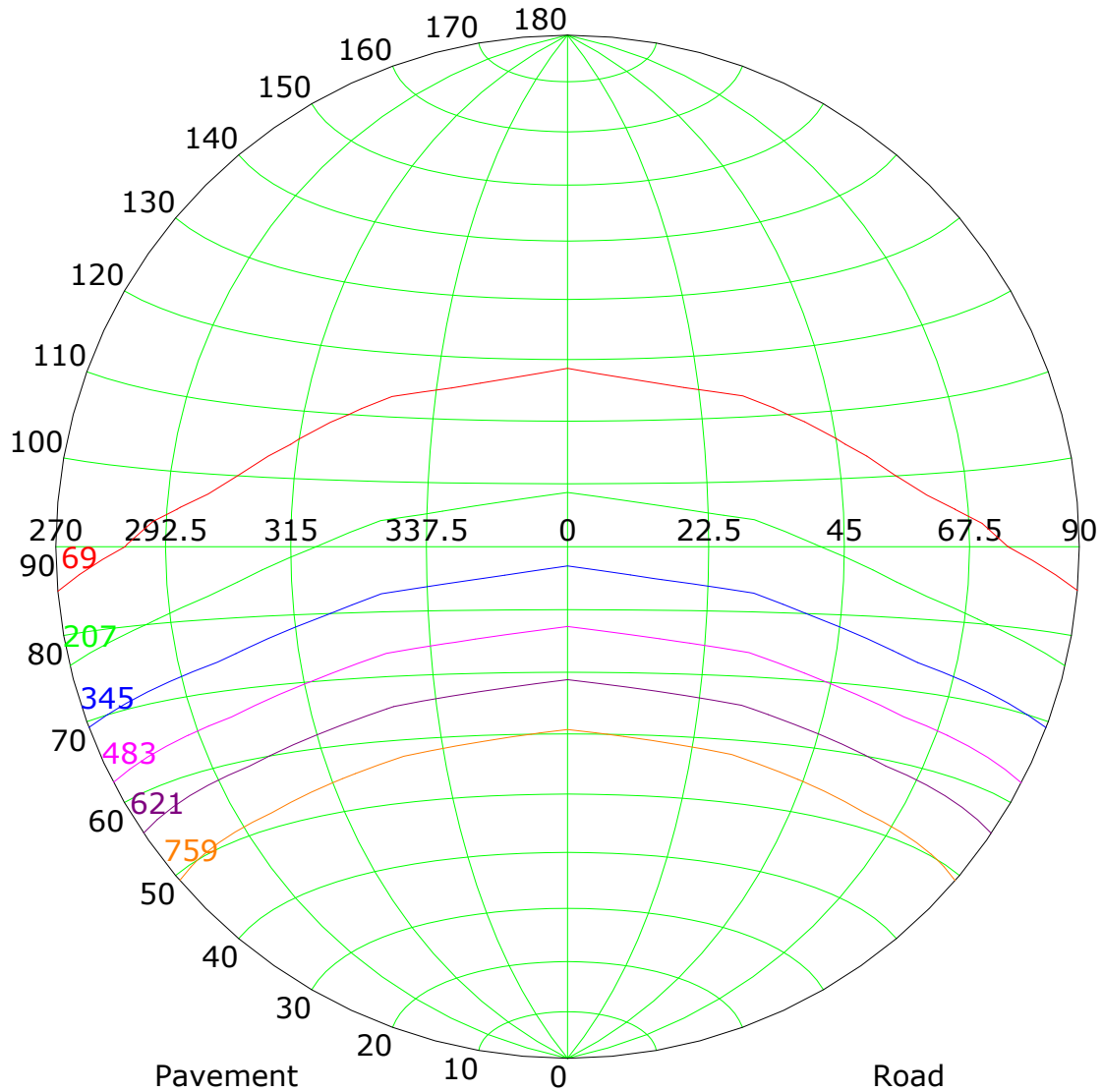


(5%): 69 cd	(15%): 207 cd
(25%): 345 cd	(35%): 483 cd
(45%): 621 cd	(55%): 759 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Isocandela (sphere)



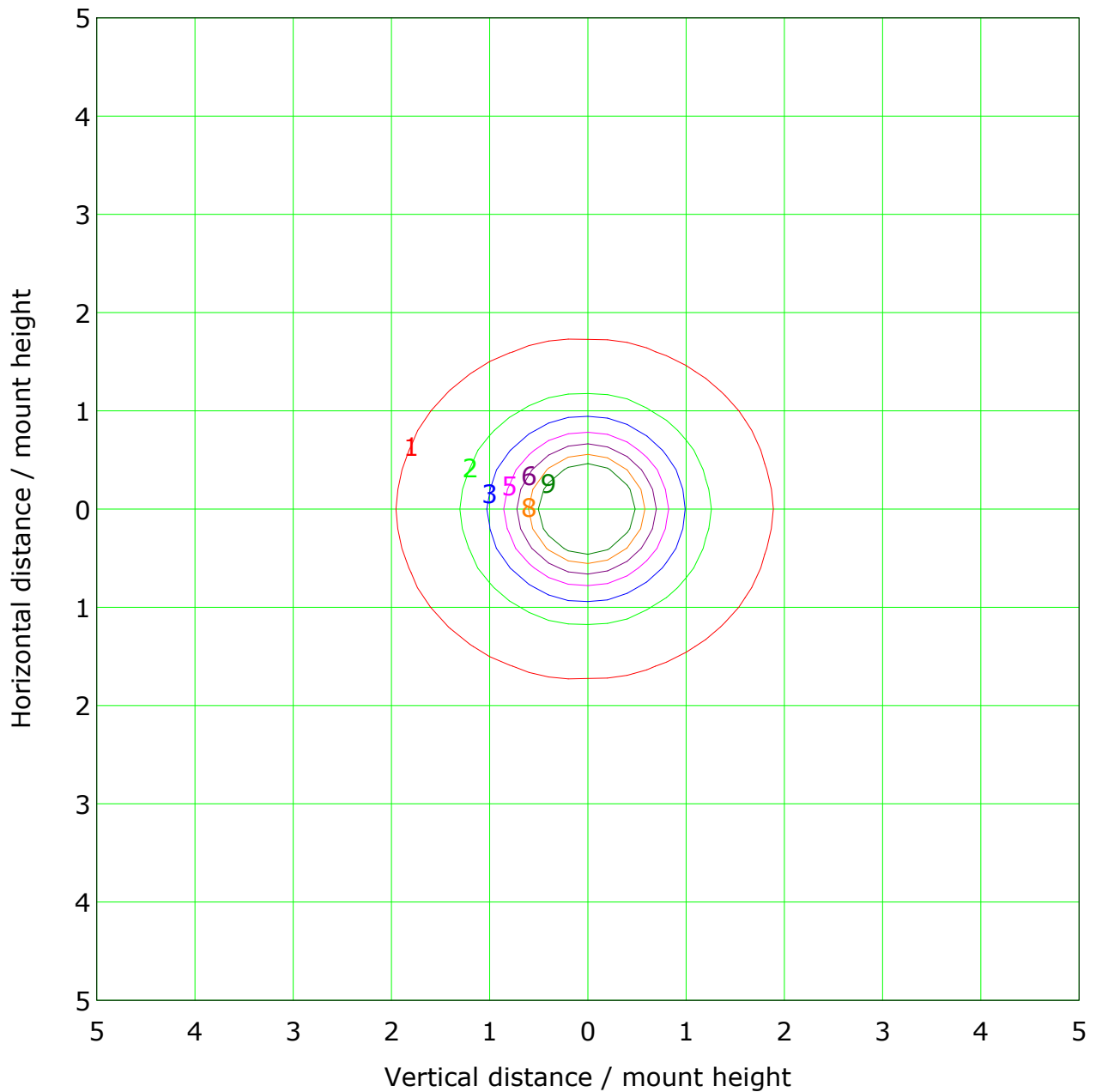
Imax (100%): 1381 cd

(5%): 69 cd	(15%): 207 cd
(25%): 345 cd	(35%): 483 cd
(45%): 621 cd	(55%): 759 cd

CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 66.850 cd/klm

IES: Non-cut-off
Max.At80: 96.543 cd/klm
Max.80-90: 96.543 cd/klm

IsoLux Plot



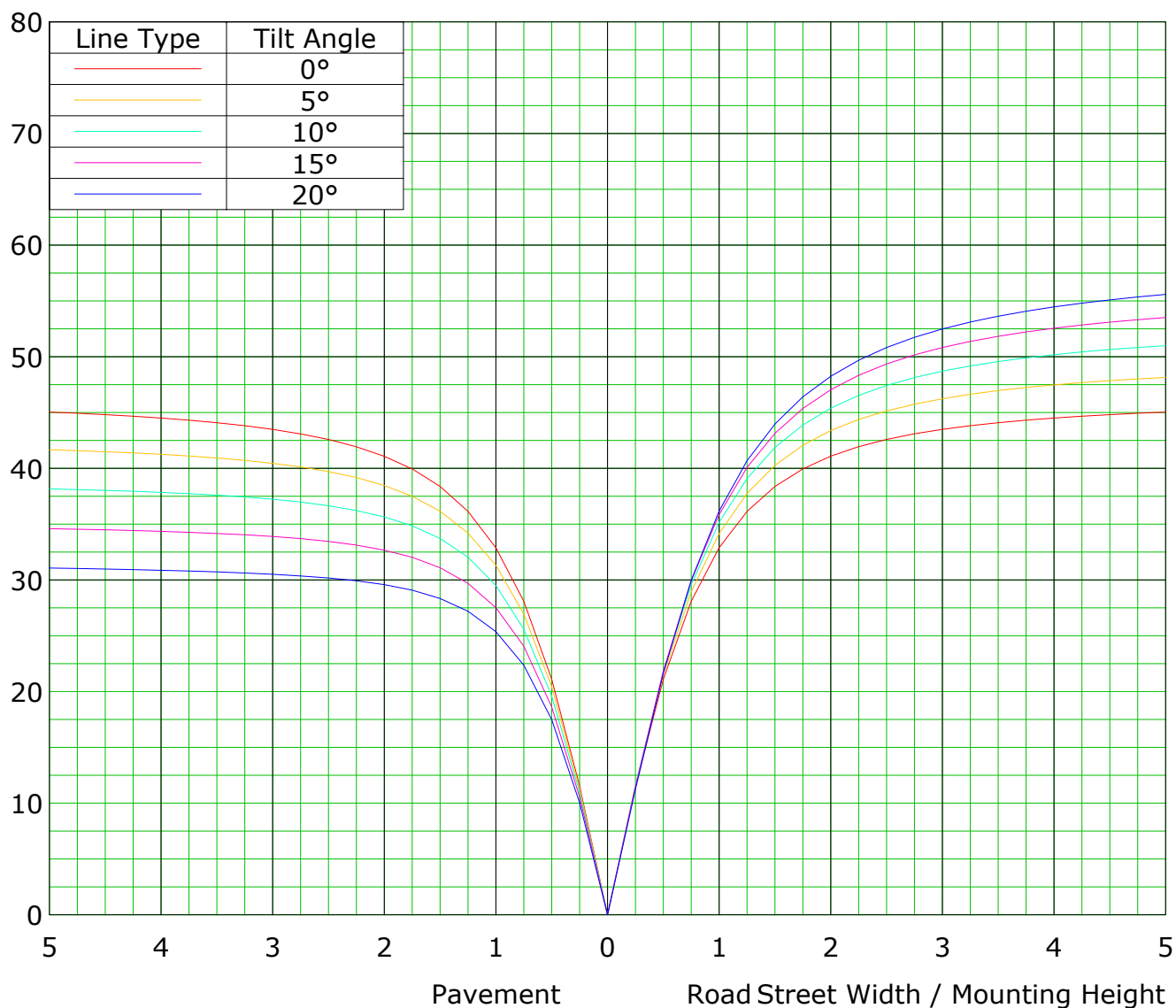
Mounting Height: 10.0m		Max Lux(100%): 13.8 lx	
— (5%):	0.7 lx	— (15%):	2.1 lx
— (25%):	3.5 lx	— (35%):	4.8 lx
— (45%):	6.2 lx	— (55%):	7.6 lx
— (65%):	9.0 lx		

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

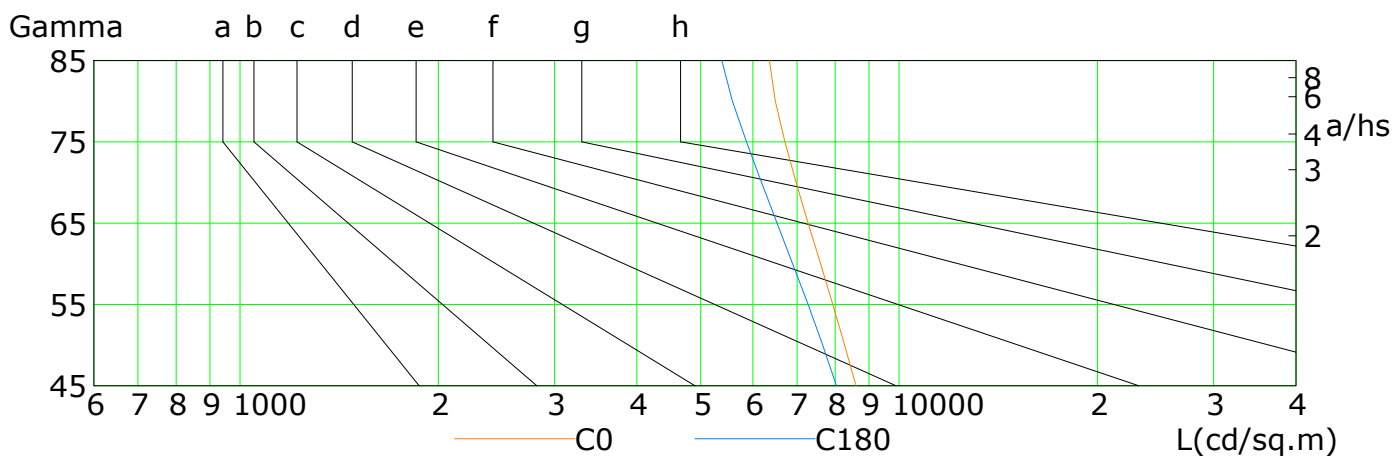
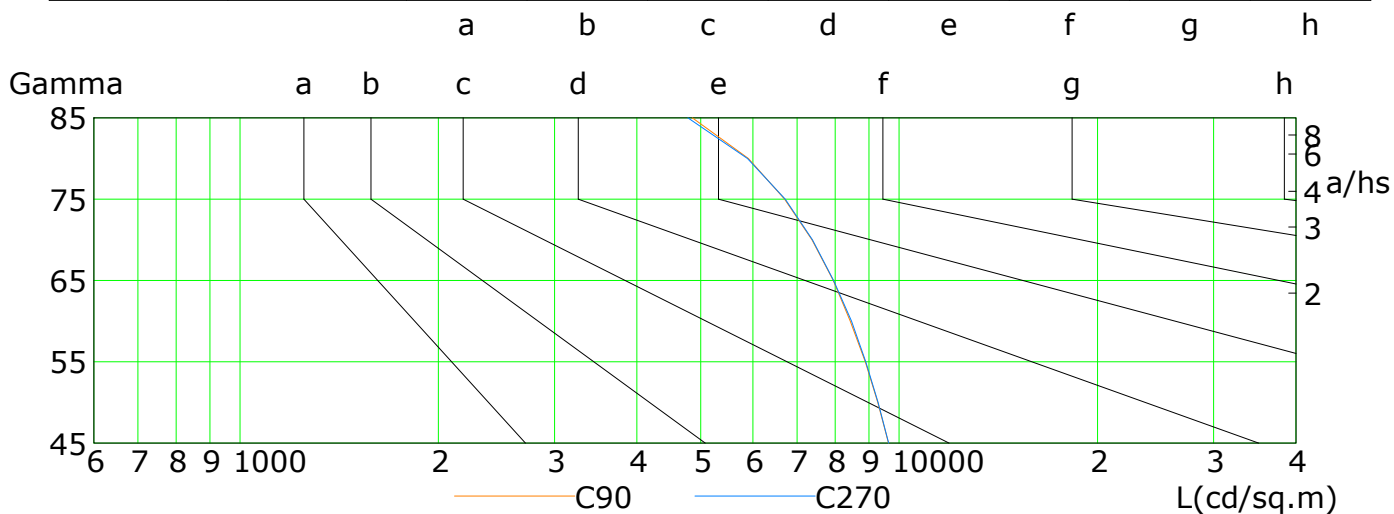


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
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

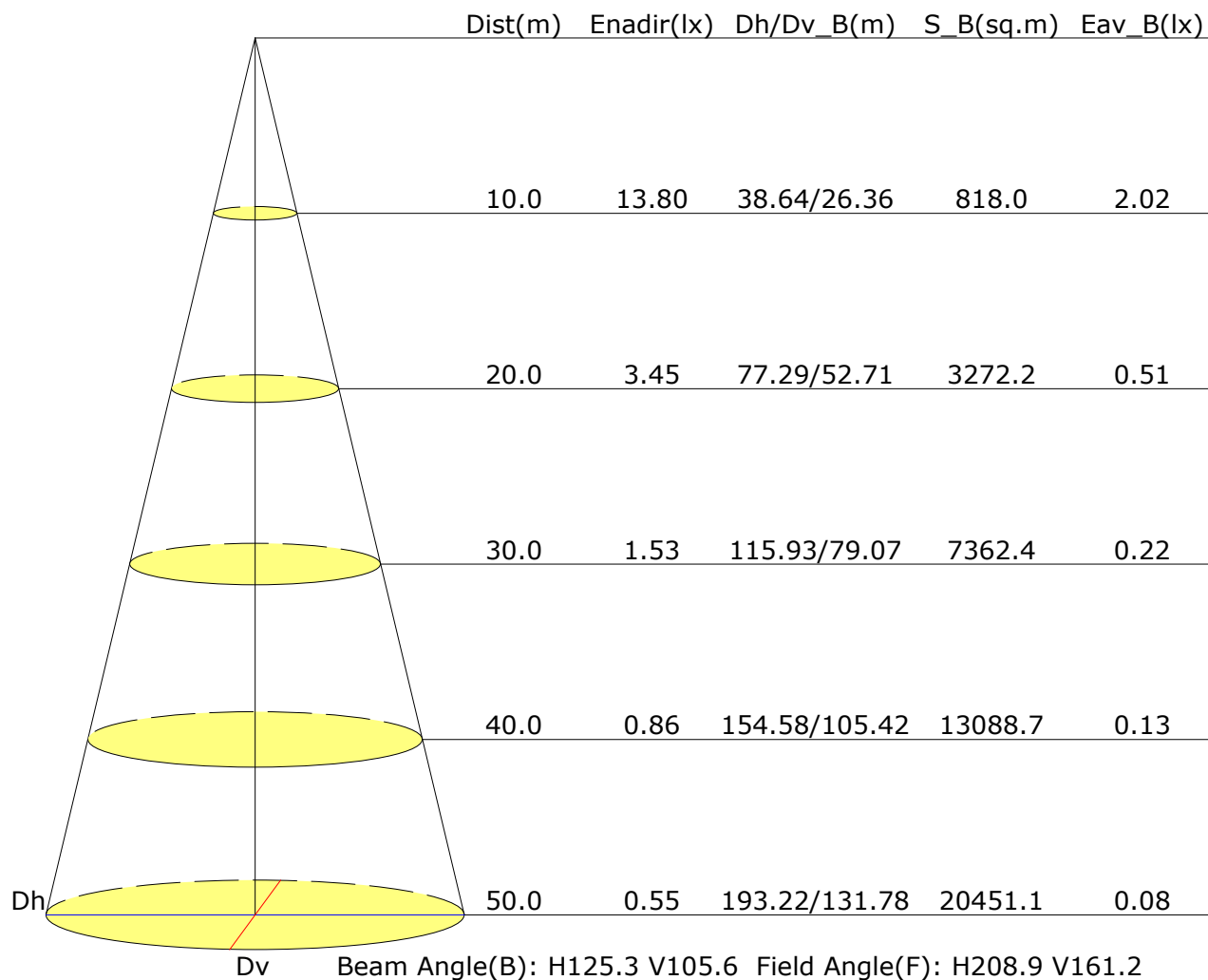


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8600	8266	7930	7601	7278	6978	6708	6488	6357
C90	9636	9282	8884	8430	7945	7377	6702	5905	4858
C180	8032	7657	7277	6894	6529	6182	5866	5584	5383
C270	9640	9292	8897	8466	7953	7389	6719	5888	4782

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

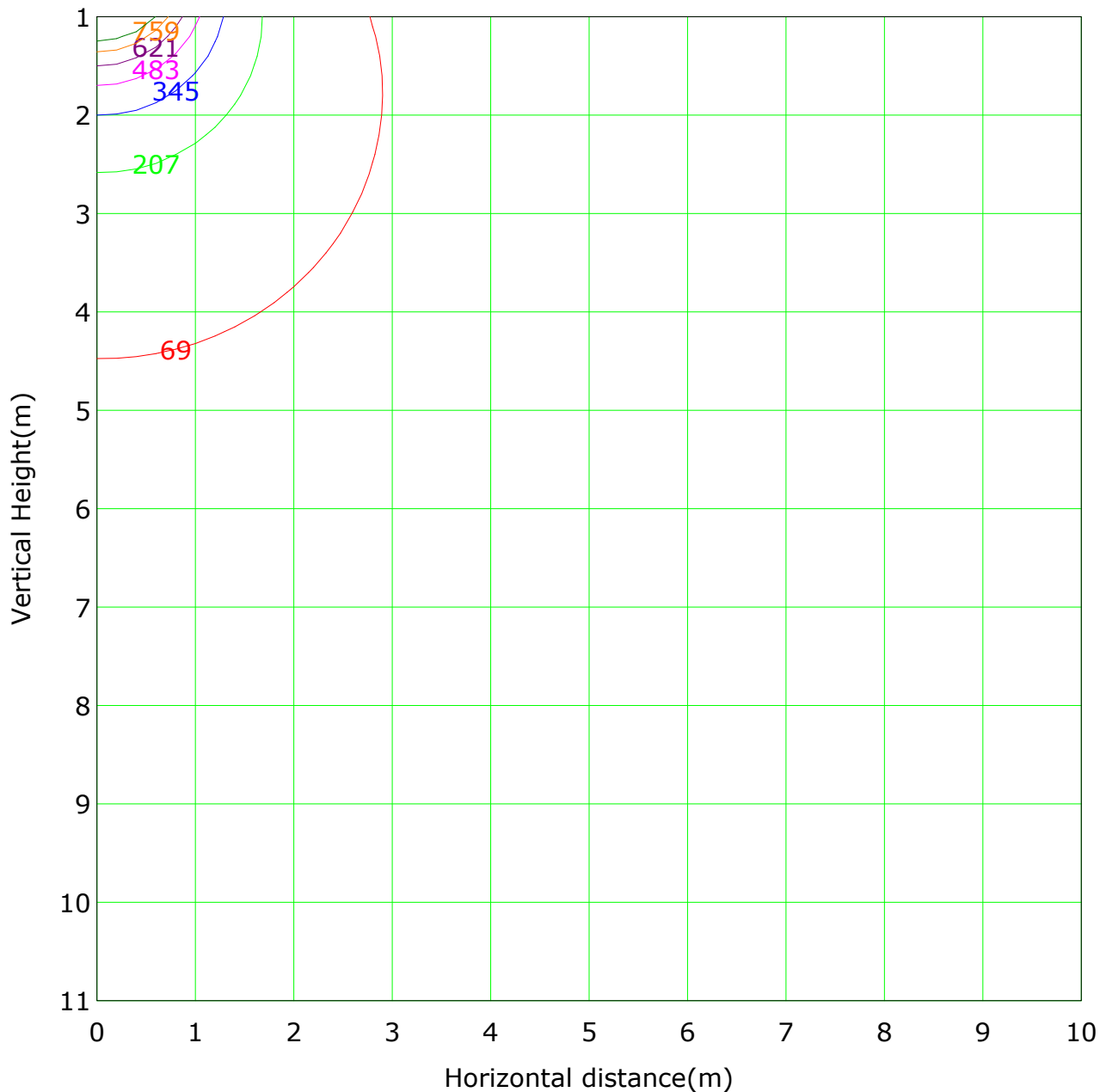
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1379.9 lx

(5%): 69.0 lx	(15%): 207.0 lx
(25%): 345.0 lx	(35%): 483.0 lx
(45%): 621.0 lx	(55%): 759.0 lx
(65%): 897.0 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Area Flux Table

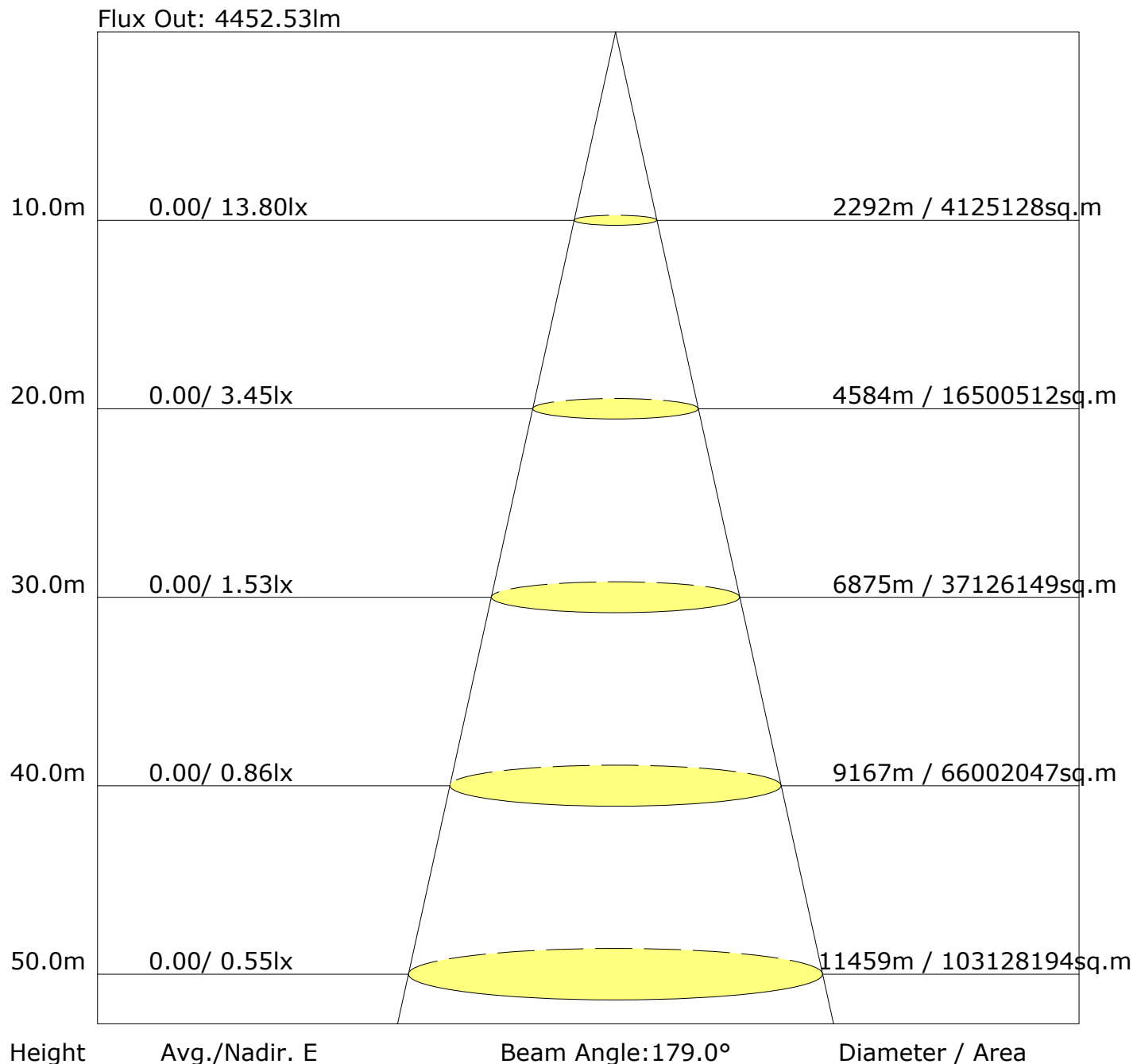
Unit: lm

Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.7
14.3	52.1	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.5	3.6	3.6	3.6	3.5	3.4	3.2	3.0	2.7	2.5	2.2	1.9
52.1	104.2	3.1	3.8	4.5	5.3	6.0	6.7	7.2	7.6	7.9	7.9	7.9	7.6	7.2	6.7	6.0	5.3	4.5	3.8	3.1
104.2	168.1	4.0	5.2	6.7	8.3	9.8	11.1	12.3	13.1	13.6	13.6	13.6	13.1	12.3	11.1	9.8	8.3	6.7	5.2	4.0
168.1	236.9	4.3	6.3	8.7	11.3	13.8	16.2	18.1	19.5	20.4	20.4	20.4	19.5	18.1	16.2	13.8	11.3	8.7	6.3	4.3
236.9	303.5	4.2	7.0	10.4	14.1	17.8	21.3	24.2	26.2	27.3	27.3	27.3	26.2	24.2	21.3	17.8	14.1	10.4	7.0	4.2
303.5	360.3	3.9	7.4	11.7	16.5	21.3	25.8	29.5	32.2	33.6	33.6	33.6	32.2	29.5	25.8	21.3	16.5	11.7	7.4	3.9
360.3	404.4	3.4	7.7	12.9	18.5	24.1	29.2	33.6	36.7	38.4	38.4	38.4	36.7	33.6	29.2	24.1	18.5	12.9	7.7	3.4
404.4	442.7	2.6	7.5	13.3	19.5	25.6	31.2	35.9	39.2	41.0	41.0	41.0	39.2	35.9	31.2	25.6	19.5	13.3	7.5	2.6
442.7	474.5	2.8	7.6	13.5	19.7	25.8	31.4	36.1	39.4	41.2	41.2	41.2	39.4	36.1	31.4	25.8	19.7	13.5	7.6	2.8
474.5	503.7	3.7	8.1	13.4	19.1	24.7	29.8	34.2	37.3	39.0	39.0	39.0	37.3	34.2	29.8	24.7	19.1	13.4	8.1	3.7
503.7	537.7	4.4	8.1	12.5	17.4	22.2	26.7	30.4	33.1	34.7	34.7	34.7	33.1	30.4	26.7	22.2	17.4	12.5	8.1	4.4
537.7	562.3	4.9	7.8	11.3	15.1	18.9	22.4	25.3	27.4	28.6	28.6	28.6	27.4	25.3	22.4	18.9	15.1	11.3	7.8	4.9
562.3	585.9	5.0	7.1	9.6	12.3	14.9	17.4	19.3	20.8	21.7	21.7	21.7	20.8	19.3	17.4	14.9	12.3	9.6	7.1	5.0
585.9	602.2	4.7	6.0	7.6	9.2	10.8	12.2	13.3	14.3	14.8	14.8	14.8	14.3	13.3	12.2	10.8	9.2	7.6	6.0	4.7
602.2	617.7	3.7	4.4	5.2	6.0	6.7	7.4	8.0	8.5	8.8	8.8	8.8	8.5	8.0	7.4	6.7	5.2	4.4	4.4	3.7
617.7	632.3	2.3	2.6	2.9	3.2	3.4	3.7	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.7	3.4	3.2	2.9	2.6	2.3
632.3	642.7	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
642.7	656.3	60.3	100.1	148.1	199.6	250.6	297.4	336.6	364.9	380.9	380.9	380.9	364.9	336.6	297.4	250.6	199.6	148.1	100.1	60.3
656.3	665.0	49.3	80.3	114.8	154.8	194.8	234.8	274.8	314.8	354.8	380.9	380.9	354.8	314.8	274.8	234.8	194.8	154.8	114.8	80.3
665.0	675.0	42.56	70.9	104.8	144.8	184.8	224.8	264.8	304.8	344.8	380.9	380.9	344.8	304.8	264.8	224.8	184.8	144.8	104.8	70.9

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

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	19.6	21.0	20.0	21.3	21.7	19.1	20.4	19.5	20.8	21.2
3H	21.5	22.7	21.9	23.1	23.5	20.5	21.8	21.0	22.2	22.6
4H	22.3	23.5	22.8	23.9	24.4	21.1	22.3	21.6	22.7	23.2
6H	23.2	24.3	23.7	24.7	25.2	21.6	22.7	22.1	23.1	23.6
8H	23.6	24.6	24.1	25.1	25.6	21.7	22.8	22.2	23.2	23.7
12H	24.0	25.0	24.4	25.4	25.9	21.8	22.9	22.3	23.3	23.8
X=4H Y=2H	20.2	21.4	20.6	21.8	22.2	19.8	20.9	20.2	21.3	21.8
3H	22.3	23.3	22.7	23.7	24.2	21.4	22.4	21.9	22.9	23.4
4H	23.3	24.2	23.8	24.7	25.2	22.2	23.1	22.7	23.6	24.1
6H	24.3	25.1	24.9	25.6	26.2	22.8	23.6	23.3	24.1	24.6
8H	24.8	25.6	25.4	26.1	26.7	23.0	23.7	23.5	24.3	24.8
12H	25.3	26.0	25.8	26.5	27.1	23.2	23.8	23.7	24.4	25.0
X=8H Y=4H	23.6	24.4	24.1	24.9	25.4	22.6	23.4	23.1	23.9	24.4
6H	24.8	25.5	25.4	26.0	26.6	23.4	24.0	24.0	24.6	25.2
8H	25.5	26.0	26.1	26.6	27.2	23.7	24.3	24.3	24.9	25.5
12H	26.1	26.6	26.7	27.2	27.8	24.0	24.5	24.6	25.1	25.7
X=12H Y=4H	23.6	24.3	24.2	24.8	25.4	22.7	23.4	23.2	23.9	24.5
6H	24.9	25.5	25.5	26.0	26.7	23.6	24.1	24.2	24.7	25.3
8H	25.6	26.1	26.2	26.7	27.3	24.0	24.5	24.6	25.1	25.7
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.3/-0.4				
S=2.0H	+0.5/-0.7					+0.5/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 4577lm ($8\log(F/F_0) = 5.3$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

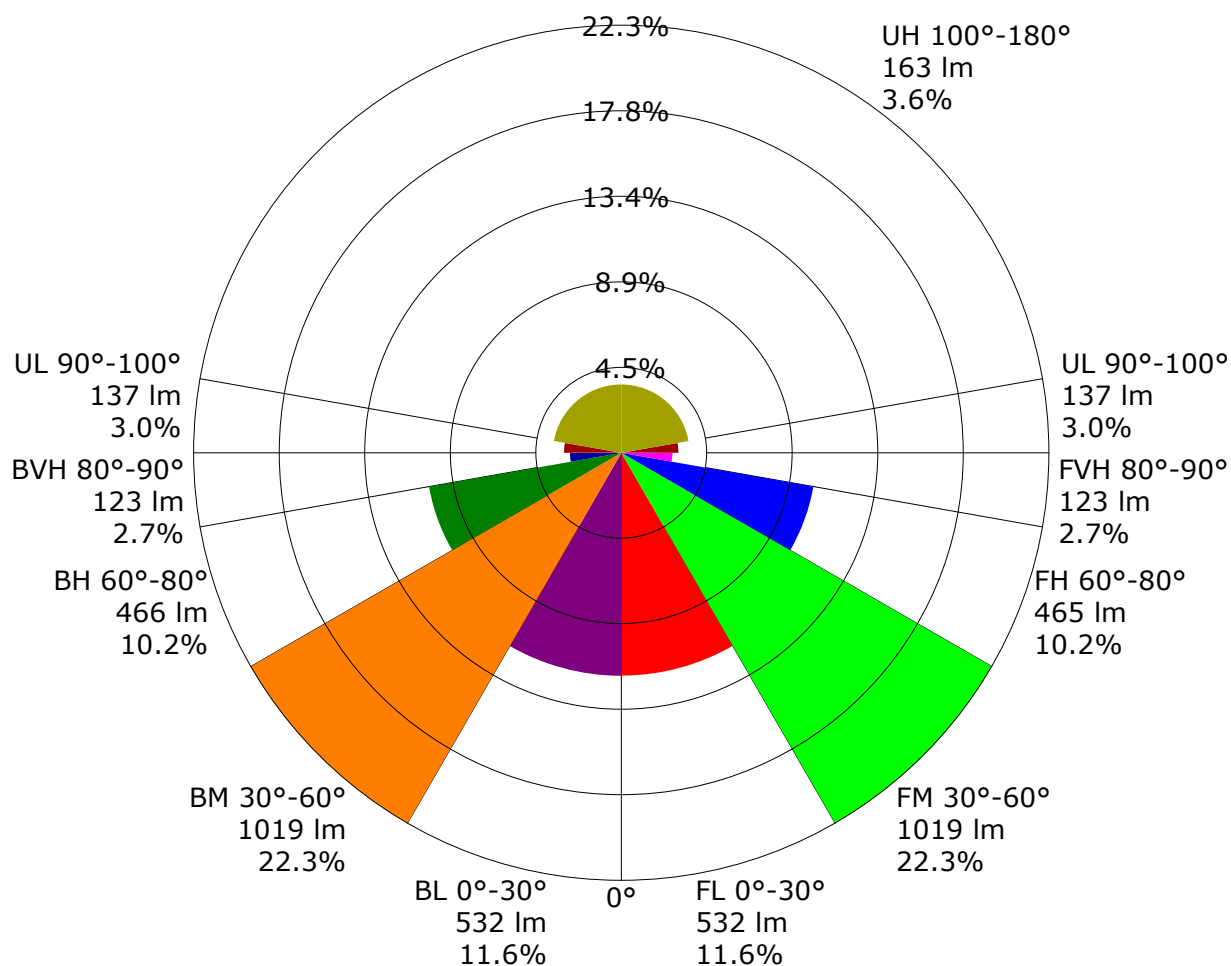
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2139	46.7
	FL (0°-30°)	532	11.6
	FM (30°-60°)	1019	22.3
	FH (60°-80°)	465	10.2
	FVH (80°-90°)	123	2.7
	BACK LIGHT	2139	46.7
	BL (0°-30°)	532	11.6
	BM (30°-60°)	1019	22.3
	BH (60°-80°)	466	10.2
	BVH (80°-90°)	123	2.7
	UP LIGHT	300	6.5
	UL (90°-100°)	137	3.0
	UH (100°-180°)	163	3.6
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U3 G1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.52	0.62	0.69	0.74	0.82	0.87	0.90	0.95	0.98	
	0.30		0.44	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94	
	0.20		0.38	0.48	0.55	0.61	0.69	0.75	0.80	0.86	0.90	
0.50	0.50	0.20	0.50	0.59	0.66	0.71	0.77	0.82	0.85	0.90	0.93	
	0.30		0.43	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.89	
	0.20		0.38	0.47	0.54	0.59	0.67	0.72	0.77	0.83	0.86	
0.30	0.50	0.20	0.48	0.57	0.63	0.67	0.74	0.78	0.81	0.85	0.88	
	0.30		0.42	0.51	0.57	0.62	0.69	0.74	0.77	0.82	0.85	
	0.20		0.37	0.46	0.52	0.57	0.65	0.70	0.74	0.79	0.83	
0.00	0.00	0.00	0.34	0.42	0.49	0.53	0.60	0.65	0.68	0.73	0.76	
<p>Rating:32W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.03	0.86	0.75	0.66	0.53	0.45	0.39	0.31	0.26	
	0.30		0.86	0.74	0.65	0.58	0.48	0.41	0.36	0.29	0.25	
	0.20		0.74	0.64	0.58	0.52	0.44	0.38	0.34	0.28	0.23	
0.50	0.50	0.20	0.98	0.82	0.71	0.62	0.51	0.46	0.37	0.29	0.24	
	0.30		0.83	0.71	0.62	0.56	0.46	0.40	0.35	0.28	0.23	
	0.20		0.72	0.63	0.56	0.51	0.43	0.37	0.33	0.26	0.22	
0.30	0.50	0.20	0.94	0.78	0.67	0.59	0.48	0.40	0.35	0.28	0.23	
	0.30		0.80	0.69	0.60	0.54	0.44	0.38	0.33	0.27	0.22	
	0.20		0.70	0.61	0.54	0.49	0.41	0.35	0.31	0.25	0.21	
0.00	0.00	0.00	0.60	0.51	0.45	0.40	0.34	0.29	0.25	0.20	0.17	
Rating:32W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.28	
	0.30		0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	
	0.20		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22	
0.50	0.50	0.20	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.27	
	0.30		0.16	0.17	0.18	0.19	0.21	0.22	0.22	0.24	0.24	
	0.20		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.21	0.22	
0.30	0.50	0.20	0.21	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.26	
	0.30		0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23	
	0.20		0.11	0.12	0.13	0.14	0.16	0.18	0.19	0.20	0.21	
0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
Rating:32W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1373.6	1.3	1.3	0.03	0.03
1.0-2.0	1373.1	3.9	5.3	0.09	0.11
2.0-3.0	1372.0	6.6	11.8	0.14	0.26
3.0-4.0	1370.5	9.2	21.0	0.20	0.46
4.0-5.0	1368.6	11.8	32.8	0.26	0.72
5.0-6.0	1366.0	14.4	47.1	0.31	1.03
6.0-7.0	1362.9	16.9	64.0	0.37	1.40
7.0-8.0	1359.4	19.5	83.5	0.43	1.82
8.0-9.0	1355.3	22.0	105.5	0.48	2.30
9.0-10.0	1350.8	24.4	129.9	0.53	2.84
10.0-11.0	1345.7	26.9	156.8	0.59	3.43
11.0-12.0	1340.2	29.3	186.1	0.64	4.07
12.0-13.0	1334.3	31.7	217.8	0.69	4.76
13.0-14.0	1327.7	34.0	251.8	0.74	5.50
14.0-15.0	1320.7	36.3	288.0	0.79	6.29
15.0-16.0	1313.1	38.5	326.5	0.84	7.13
16.0-17.0	1305.1	40.6	367.2	0.89	8.02
17.0-18.0	1297.0	42.8	409.9	0.93	8.96
18.0-19.0	1288.0	44.8	454.8	0.98	9.93
19.0-20.0	1278.6	46.8	501.6	1.02	10.96
20.0-21.0	1269.2	48.7	550.3	1.06	12.02
21.0-22.0	1258.8	50.6	600.9	1.11	13.13
22.0-23.0	1248.1	52.4	653.3	1.14	14.27
23.0-24.0	1237.0	54.1	707.4	1.18	15.45
24.0-25.0	1225.4	55.7	763.1	1.22	16.67
25.0-26.0	1213.9	57.3	820.4	1.25	17.92
26.0-27.0	1201.6	58.8	879.2	1.28	19.21
27.0-28.0	1188.8	60.2	939.4	1.32	20.52
28.0-29.0	1176.2	61.5	1000.9	1.34	21.87
29.0-30.0	1162.7	62.8	1063.7	1.37	23.24
30.0-31.0	1148.8	63.9	1127.7	1.40	24.64
31.0-32.0	1134.7	65.0	1192.7	1.42	26.06
32.0-33.0	1120.0	66.0	1258.7	1.44	27.50
33.0-34.0	1105.6	66.9	1325.6	1.46	28.96
34.0-35.0	1090.3	67.7	1393.3	1.48	30.44
35.0-36.0	1074.7	68.4	1461.7	1.50	31.93

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	1059.1	69.1	1530.8	1.51	33.44
37.0-38.0	1042.9	69.6	1600.4	1.52	34.96
38.0-39.0	1026.8	70.1	1670.5	1.53	36.50
39.0-40.0	1010.0	70.5	1741.0	1.54	38.03
40.0-41.0	993.0	70.7	1811.7	1.54	39.58
41.0-42.0	976.6	71.0	1882.7	1.55	41.13
42.0-43.0	959.3	71.1	1953.7	1.55	42.68
43.0-44.0	941.6	71.1	2024.8	1.55	44.23
44.0-45.0	924.2	71.0	2095.9	1.55	45.79
45.0-46.0	906.2	70.9	2166.7	1.55	47.34
46.0-47.0	888.3	70.7	2237.4	1.54	48.88
47.0-48.0	870.0	70.3	2307.7	1.54	50.42
48.0-49.0	851.6	69.9	2377.7	1.53	51.94
49.0-50.0	833.9	69.5	2447.2	1.52	53.46
50.0-51.0	815.2	69.0	2516.2	1.51	54.97
51.0-52.0	796.4	68.3	2584.6	1.49	56.46
52.0-53.0	777.9	67.7	2652.2	1.48	57.94
53.0-54.0	759.0	66.9	2719.1	1.46	59.40
54.0-55.0	740.6	66.1	2785.3	1.44	60.85
55.0-56.0	721.5	65.2	2850.5	1.42	62.27
56.0-57.0	702.5	64.2	2914.7	1.40	63.68
57.0-58.0	684.4	63.3	2978.0	1.38	65.06
58.0-59.0	665.2	62.2	3040.2	1.36	66.42
59.0-60.0	646.1	61.0	3101.2	1.33	67.75
60.0-61.0	627.1	59.9	3161.1	1.31	69.06
61.0-62.0	608.2	58.6	3219.7	1.28	70.34
62.0-63.0	590.2	57.4	3277.1	1.25	71.59
63.0-64.0	571.5	56.1	3333.2	1.23	72.82
64.0-65.0	552.8	54.7	3387.9	1.20	74.01
65.0-66.0	535.1	53.4	3441.3	1.17	75.18
66.0-67.0	516.9	52.0	3493.3	1.14	76.32
67.0-68.0	498.7	50.5	3543.8	1.10	77.42
68.0-69.0	480.7	49.0	3592.9	1.07	78.49
69.0-70.0	462.8	47.5	3640.4	1.04	79.53
70.0-71.0	445.8	46.1	3686.5	1.01	80.54
71.0-72.0	428.4	44.6	3731.0	0.97	81.51

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	411.2	43.0	3774.0	0.94	82.45
73.0-74.0	394.9	41.5	3815.6	0.91	83.36
74.0-75.0	378.2	40.0	3855.5	0.87	84.23
75.0-76.0	361.8	38.4	3893.9	0.84	85.07
76.0-77.0	345.5	36.8	3930.8	0.80	85.87
77.0-78.0	329.7	35.3	3966.1	0.77	86.64
78.0-79.0	314.9	33.8	3999.9	0.74	87.38
79.0-80.0	299.6	32.3	4032.2	0.71	88.09
80.0-81.0	284.8	30.8	4063.0	0.67	88.76
81.0-82.0	270.6	29.3	4092.4	0.64	89.40
82.0-83.0	256.5	27.9	4120.3	0.61	90.01
83.0-84.0	243.1	26.5	4146.7	0.58	90.59
84.0-85.0	229.8	25.1	4171.8	0.55	91.14
85.0-86.0	216.8	23.7	4195.5	0.52	91.66
86.0-87.0	204.9	22.4	4218.0	0.49	92.15
87.0-88.0	192.8	21.1	4239.1	0.46	92.61
88.0-89.0	181.1	19.9	4258.9	0.43	93.04
89.0-90.0	170.6	18.7	4277.6	0.41	93.45
90.0-91.0	160.9	17.6	4295.3	0.39	93.84
91.0-92.0	152.2	16.7	4312.0	0.36	94.20
92.0-93.0	143.6	15.7	4327.7	0.34	94.54
93.0-94.0	135.2	14.8	4342.5	0.32	94.87
94.0-95.0	127.6	13.9	4356.4	0.30	95.17
95.0-96.0	120.0	13.1	4369.5	0.29	95.46
96.0-97.0	112.8	12.3	4381.8	0.27	95.73
97.0-98.0	106.3	11.6	4393.4	0.25	95.98
98.0-99.0	99.9	10.8	4404.2	0.24	96.22
99.0-100.0	94.0	10.2	4414.4	0.22	96.44
100.0-101.0	88.5	9.5	4423.9	0.21	96.65
101.0-102.0	83.1	8.9	4432.9	0.20	96.84
102.0-103.0	78.3	8.4	4441.2	0.18	97.02
103.0-104.0	73.6	7.8	4449.1	0.17	97.20
104.0-105.0	69.1	7.3	4456.4	0.16	97.36
105.0-106.0	64.9	6.9	4463.3	0.15	97.51
106.0-107.0	61.0	6.4	4469.7	0.14	97.65
107.0-108.0	57.3	6.0	4475.7	0.13	97.78

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	53.7	5.6	4481.3	0.12	97.90
109.0-110.0	50.2	5.2	4486.5	0.11	98.01
110.0-111.0	47.1	4.8	4491.3	0.11	98.12
111.0-112.0	44.1	4.5	4495.8	0.10	98.22
112.0-113.0	41.2	4.2	4500.0	0.09	98.31
113.0-114.0	38.5	3.9	4503.8	0.08	98.39
114.0-115.0	36.0	3.6	4507.4	0.08	98.47
115.0-116.0	33.8	3.3	4510.8	0.07	98.54
116.0-117.0	31.6	3.1	4513.9	0.07	98.61
117.0-118.0	29.5	2.9	4516.7	0.06	98.67
118.0-119.0	27.7	2.7	4519.4	0.06	98.73
119.0-120.0	26.1	2.5	4521.9	0.05	98.79
120.0-121.0	24.5	2.3	4524.2	0.05	98.84
121.0-122.0	23.0	2.1	4526.4	0.05	98.88
122.0-123.0	21.5	2.0	4528.4	0.04	98.93
123.0-124.0	20.3	1.9	4530.2	0.04	98.97
124.0-125.0	19.3	1.7	4532.0	0.04	99.01
125.0-126.0	18.3	1.6	4533.6	0.04	99.04
126.0-127.0	17.5	1.5	4535.1	0.03	99.08
127.0-128.0	16.8	1.5	4536.6	0.03	99.11
128.0-129.0	16.3	1.4	4538.0	0.03	99.14
129.0-130.0	15.9	1.3	4539.4	0.03	99.17
130.0-131.0	15.7	1.3	4540.7	0.03	99.20
131.0-132.0	15.6	1.3	4542.0	0.03	99.22
132.0-133.0	15.6	1.3	4543.2	0.03	99.25
133.0-134.0	15.5	1.2	4544.4	0.03	99.28
134.0-135.0	15.6	1.2	4545.7	0.03	99.31
135.0-136.0	15.7	1.2	4546.9	0.03	99.33
136.0-137.0	15.8	1.2	4548.1	0.03	99.36
137.0-138.0	15.9	1.2	4549.3	0.03	99.38
138.0-139.0	16.1	1.2	4550.4	0.03	99.41
139.0-140.0	16.2	1.2	4551.6	0.03	99.43
140.0-141.0	16.3	1.1	4552.7	0.02	99.46
141.0-142.0	16.4	1.1	4553.8	0.02	99.48
142.0-143.0	16.5	1.1	4554.9	0.02	99.51
143.0-144.0	16.6	1.1	4556.0	0.02	99.53

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	16.7	1.1	4557.1	0.02	99.56
145.0-146.0	16.8	1.0	4558.1	0.02	99.58
146.0-147.0	17.0	1.0	4559.1	0.02	99.60
147.0-148.0	17.1	1.0	4560.2	0.02	99.62
148.0-149.0	17.2	1.0	4561.1	0.02	99.64
149.0-150.0	17.3	1.0	4562.1	0.02	99.67
150.0-151.0	17.4	0.9	4563.0	0.02	99.69
151.0-152.0	17.5	0.9	4564.0	0.02	99.71
152.0-153.0	17.6	0.9	4564.8	0.02	99.72
153.0-154.0	17.6	0.9	4565.7	0.02	99.74
154.0-155.0	17.7	0.8	4566.5	0.02	99.76
155.0-156.0	17.8	0.8	4567.3	0.02	99.78
156.0-157.0	17.9	0.8	4568.1	0.02	99.80
157.0-158.0	18.0	0.8	4568.9	0.02	99.81
158.0-159.0	18.0	0.7	4569.6	0.02	99.83
159.0-160.0	18.1	0.7	4570.3	0.02	99.84
160.0-161.0	18.2	0.7	4571.0	0.01	99.86
161.0-162.0	18.3	0.6	4571.6	0.01	99.87
162.0-163.0	18.4	0.6	4572.2	0.01	99.89
163.0-164.0	18.5	0.6	4572.8	0.01	99.90
164.0-165.0	18.6	0.5	4573.3	0.01	99.91
165.0-166.0	18.7	0.5	4573.9	0.01	99.92
166.0-167.0	18.8	0.5	4574.3	0.01	99.93
167.0-168.0	18.9	0.4	4574.8	0.01	99.94
168.0-169.0	19.0	0.4	4575.2	0.01	99.95
169.0-170.0	19.1	0.4	4575.6	0.01	99.96
170.0-171.0	19.2	0.3	4575.9	0.01	99.97
171.0-172.0	19.2	0.3	4576.2	0.01	99.97
172.0-173.0	19.3	0.3	4576.5	0.01	99.98
173.0-174.0	19.4	0.2	4576.8	0.01	99.99
174.0-175.0	19.5	0.2	4577.0	0.00	99.99
175.0-176.0	19.6	0.2	4577.1	0.00	99.99
176.0-177.0	19.6	0.1	4577.3	0.00	100.00
177.0-178.0	19.6	0.1	4577.4	0.00	100.00
178.0-179.0	19.7	0.1	4577.4	0.00	100.00
179.0-180.0	19.7	0.0	4577.4	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 2095.86 lm

%lum = 45.8%

%lamp = 45.8%

cone flux(120°): 3101.24 lm

%lum = 67.8%

%lamp = 67.8%

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1379.9	1376.1	1374.1	1372.4	1370.4	1369.7	1379.9	1376.1	1374.1	1372.4
G1.0	1380.8	1376.7	1373.8	1371.6	1369.6	1368.8	1378.6	1374.9	1373.4	1371.9
G2.0	1380.7	1376.5	1373.4	1370.8	1368.7	1367.7	1377.3	1373.8	1371.9	1371.2
G3.0	1380.9	1376.0	1372.5	1369.5	1366.6	1365.2	1375.3	1371.9	1370.1	1369.5
G4.0	1380.4	1375.3	1371.2	1367.3	1364.3	1363.0	1373.1	1369.7	1368.1	1367.6
G5.0	1379.0	1374.2	1369.1	1364.5	1361.5	1360.1	1370.8	1366.9	1365.2	1365.1
G6.0	1377.7	1372.3	1366.4	1360.7	1358.0	1357.0	1366.8	1363.5	1361.3	1361.6
G7.0	1375.8	1370.2	1363.1	1356.9	1353.8	1353.7	1363.4	1359.8	1357.7	1357.6
G8.0	1373.9	1367.5	1359.7	1352.5	1349.7	1349.9	1359.3	1355.2	1352.8	1352.7
G9.0	1370.8	1364.0	1354.9	1346.6	1343.9	1344.9	1354.8	1350.7	1347.8	1348.0
G10.0	1367.9	1360.8	1350.6	1341.6	1338.3	1340.1	1350.4	1345.8	1342.3	1342.6
G11.0	1364.6	1356.4	1344.7	1335.0	1331.8	1334.3	1344.4	1340.3	1335.8	1336.3
G12.0	1360.3	1352.1	1339.0	1328.3	1325.2	1328.9	1339.1	1334.4	1329.4	1329.5
G13.0	1356.3	1347.3	1332.7	1321.2	1318.4	1322.5	1333.3	1328.4	1322.5	1322.4
G14.0	1351.4	1341.5	1325.2	1312.3	1309.8	1315.6	1326.3	1321.2	1314.5	1314.0
G15.0	1346.4	1336.1	1318.3	1304.1	1301.9	1308.4	1319.8	1314.1	1306.1	1305.7
G16.0	1340.6	1329.2	1309.7	1294.4	1292.3	1300.4	1312.4	1306.1	1297.0	1296.4
G17.0	1334.7	1322.9	1301.8	1285.1	1283.8	1292.7	1304.8	1298.4	1288.1	1286.8
G18.0	1328.6	1315.8	1292.4	1275.1	1274.2	1284.6	1297.1	1289.7	1278.5	1277.6
G19.0	1321.8	1307.8	1282.3	1263.8	1263.1	1275.3	1288.5	1280.4	1267.8	1266.2
G20.0	1314.9	1300.1	1272.9	1253.3	1253.2	1265.9	1279.6	1271.3	1256.9	1254.9
G21.0	1307.5	1292.3	1262.7	1241.6	1241.8	1256.7	1270.7	1262.0	1246.6	1243.9
G22.0	1299.4	1283.0	1251.1	1228.9	1229.9	1245.7	1260.8	1250.7	1234.1	1230.8
G23.0	1291.4	1273.5	1240.4	1216.2	1218.5	1235.8	1251.4	1240.9	1222.6	1219.0
G24.0	1282.2	1263.4	1227.6	1202.8	1204.9	1224.5	1240.5	1229.5	1209.6	1205.3
G25.0	1273.6	1253.6	1215.6	1189.3	1192.6	1212.9	1230.6	1218.1	1196.7	1191.8
G26.0	1264.3	1243.3	1203.6	1175.9	1179.5	1202.1	1220.4	1206.7	1183.8	1178.6
G27.0	1254.1	1232.3	1189.8	1160.8	1165.3	1189.3	1209.0	1194.5	1169.7	1163.0
G28.0	1243.9	1221.1	1176.4	1146.6	1151.5	1177.6	1197.5	1181.8	1155.7	1148.5
G29.0	1234.1	1209.7	1163.2	1131.7	1137.4	1165.6	1186.1	1169.6	1142.0	1134.1
G30.0	1222.5	1197.2	1147.8	1114.9	1122.0	1151.2	1172.9	1156.3	1126.5	1117.1
G31.0	1211.7	1185.6	1134.0	1099.6	1106.7	1138.8	1161.3	1143.1	1111.2	1101.9
G32.0	1199.6	1172.1	1118.2	1082.6	1090.5	1124.1	1148.0	1128.8	1094.8	1084.9
G33.0	1188.2	1159.3	1103.2	1066.0	1074.7	1110.7	1134.9	1114.8	1079.2	1068.2
G34.0	1176.5	1146.4	1088.4	1050.3	1059.1	1096.8	1121.7	1100.6	1062.9	1051.6
G35.0	1162.8	1131.4	1071.0	1031.4	1042.1	1081.7	1107.5	1085.3	1045.5	1033.5
G36.0	1150.9	1118.3	1054.9	1014.8	1025.6	1067.1	1093.0	1070.4	1028.6	1015.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1137.9	1104.7	1039.0	996.9	1008.5	1052.8	1078.0	1054.4	1010.5	997.3
G38.0	1123.7	1089.2	1021.2	978.0	990.5	1035.8	1063.6	1039.7	993.7	979.2
G39.0	1110.2	1074.6	1004.3	959.8	973.0	1021.1	1049.2	1024.2	976.4	961.6
G40.0	1095.5	1058.8	985.3	940.5	954.4	1003.9	1033.2	1006.5	957.7	942.1
G41.0	1081.3	1043.8	968.5	921.7	936.8	988.8	1018.2	991.0	939.7	923.1
G42.0	1067.3	1029.0	951.5	903.6	919.4	972.5	1003.5	975.5	922.4	905.0
G43.0	1051.2	1012.2	932.1	882.8	899.6	955.2	986.6	957.4	903.1	884.2
G44.0	1036.6	996.6	914.0	864.2	881.8	939.0	971.0	941.3	884.4	865.6
G45.0	1021.6	980.3	896.5	844.9	863.3	922.0	954.2	923.3	864.9	845.2
G46.0	1005.6	963.3	876.4	823.6	843.5	904.2	938.1	906.3	845.9	825.5
G47.0	989.7	946.4	858.4	804.8	824.8	887.9	921.7	889.0	828.0	806.5
G48.0	972.9	929.2	837.8	783.7	805.3	869.1	904.7	870.8	807.2	784.8
G49.0	957.0	912.2	819.9	763.8	786.1	852.6	888.8	854.2	788.8	765.4
G50.0	941.5	895.8	801.8	744.4	767.9	835.6	872.2	836.6	769.6	745.2
G51.0	923.6	877.1	780.8	722.6	746.8	817.0	854.9	818.1	749.6	724.0
G52.0	907.2	859.8	761.9	703.0	728.5	799.5	838.0	800.8	731.0	703.3
G53.0	891.5	843.0	743.6	682.5	709.0	782.2	820.3	782.3	709.3	681.8
G54.0	874.4	824.1	722.3	660.3	688.1	763.9	803.2	765.6	690.7	662.3
G55.0	857.6	807.1	704.1	640.6	669.6	747.3	787.0	747.9	671.3	641.6
G56.0	839.4	788.0	683.0	618.1	648.1	728.1	768.5	729.4	650.7	618.9
G57.0	823.3	771.4	664.5	598.5	629.5	711.4	752.3	711.7	631.1	599.1
G58.0	806.6	753.9	645.1	578.0	610.1	693.0	735.4	695.0	612.5	578.6
G59.0	788.2	735.0	624.0	555.5	589.0	674.8	717.5	675.7	591.2	556.9
G60.0	772.1	718.3	604.8	535.0	569.9	657.4	700.2	659.0	572.5	537.3
G61.0	753.6	699.3	584.6	513.4	549.7	639.4	682.8	639.9	551.2	514.4
G62.0	737.3	682.0	565.3	493.0	530.5	622.3	665.5	623.3	532.8	494.7
G63.0	720.5	665.7	547.3	473.4	512.2	604.9	649.2	606.0	513.7	474.1
G64.0	702.1	646.3	526.3	451.1	491.4	587.2	631.7	588.0	493.7	452.6
G65.0	685.7	630.2	508.2	431.7	473.6	570.1	615.1	570.7	475.9	432.2
G66.0	668.8	613.1	489.4	411.5	455.3	554.0	599.3	554.4	457.5	412.9
G67.0	651.5	595.1	469.8	390.6	436.1	535.8	581.9	537.1	438.4	391.6
G68.0	635.0	578.4	451.4	370.5	418.1	519.9	565.6	520.5	420.0	371.7
G69.0	617.7	560.7	432.5	349.9	399.6	502.2	548.6	503.3	401.6	350.8
G70.0	601.1	544.0	414.6	330.5	382.0	486.2	532.6	487.1	383.8	331.0
G71.0	584.9	527.6	397.2	311.0	365.4	471.0	517.4	471.5	367.1	312.3
G72.0	567.8	510.5	379.2	291.0	347.1	453.7	500.8	455.0	349.3	291.9
G73.0	551.9	494.4	361.9	271.9	330.4	438.6	485.3	439.4	332.6	272.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	536.7	479.1	345.9	254.0	314.7	423.4	469.8	423.9	317.0	254.9
G75.0	519.4	462.5	327.9	234.0	297.8	407.7	454.2	408.0	299.4	234.6
G76.0	504.5	447.0	312.6	216.8	282.1	392.9	439.4	393.2	284.1	217.4
G77.0	487.5	430.2	295.4	197.6	265.5	377.6	423.9	377.9	267.5	197.8
G78.0	473.0	415.6	280.5	181.0	251.4	363.1	409.4	364.2	253.4	181.2
G79.0	458.2	400.8	265.5	164.3	237.0	349.9	395.9	350.2	238.9	164.2
G80.0	441.9	385.6	249.7	146.3	222.4	335.1	380.3	335.0	224.2	145.9
G81.0	428.0	371.4	236.1	131.1	208.8	322.0	367.1	322.1	210.6	130.4
G82.0	413.6	357.1	222.1	115.5	196.3	309.0	352.5	307.7	196.7	113.2
G83.0	398.9	342.8	208.1	99.6	182.3	295.4	339.8	295.5	184.2	98.6
G84.0	385.5	329.7	194.9	85.7	171.0	283.1	326.8	282.8	172.7	84.2
G85.0	370.4	315.3	181.9	70.2	158.4	269.4	313.7	270.0	160.1	69.1
G86.0	357.0	302.8	170.0	56.6	147.7	258.1	301.2	257.9	149.1	55.5
G87.0	344.5	290.2	158.9	43.8	137.2	247.1	288.9	246.7	138.8	43.0
G88.0	330.8	277.0	147.0	30.6	126.6	234.6	276.6	234.2	127.7	29.7
G89.0	318.5	265.3	137.0	19.6	117.0	223.4	265.3	223.5	118.4	19.7
G90.0	306.0	253.4	126.8	11.2	107.8	213.3	253.4	212.2	108.8	14.7
G91.0	293.2	241.2	116.6	10.1	98.3	201.7	242.2	201.8	99.8	13.9
G92.0	281.8	230.0	107.3	9.4	89.8	192.0	231.4	191.9	91.9	13.4
G93.0	268.6	218.3	97.9	8.6	81.7	181.5	220.4	181.1	83.6	12.6
G94.0	257.1	208.0	89.1	8.1	74.3	172.1	210.1	171.8	76.4	11.9
G95.0	246.3	197.5	81.4	7.5	67.7	163.4	200.8	162.8	69.8	11.4
G96.0	234.0	186.2	73.8	6.9	61.5	153.5	190.1	153.0	63.3	10.9
G97.0	223.8	176.6	67.8	6.5	56.0	145.0	181.2	144.9	58.1	10.5
G98.0	213.0	167.2	62.3	6.3	51.3	137.3	171.6	136.0	52.7	9.9
G99.0	202.3	157.6	56.5	6.1	46.1	128.9	163.1	128.8	47.9	9.5
G100.0	192.2	149.6	51.8	6.1	42.7	122.1	154.8	121.7	42.9	9.2
G101.0	182.9	141.6	47.4	6.3	37.2	114.7	146.4	114.7	39.3	8.8
G102.0	174.5	134.3	42.8	6.5	33.3	108.4	139.4	108.0	35.4	8.6
G103.0	166.8	127.7	39.3	6.7	28.5	102.2	132.2	101.7	31.8	8.4
G104.0	158.2	120.4	35.4	6.9	26.0	95.8	125.0	95.3	28.4	8.2
G105.0	150.8	113.8	32.2	7.1	24.5	89.9	118.1	89.5	25.5	8.2
G106.0	143.3	107.3	29.2	7.3	21.0	84.1	111.4	84.0	22.5	8.1
G107.0	135.9	101.7	26.5	7.5	19.8	79.1	105.1	78.6	20.2	8.1
G108.0	129.5	95.7	24.1	7.7	17.6	73.9	99.4	73.7	17.8	8.3
G109.0	122.1	89.5	21.8	7.9	15.2	68.9	93.2	68.4	15.4	8.5
G110.0	115.8	84.7	19.7	8.1	13.4	64.2	87.4	64.0	13.7	8.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	109.5	79.5	17.5	8.3	12.0	59.9	82.7	59.4	12.5	8.9
G112.0	103.2	74.5	15.5	8.5	11.3	55.2	77.1	54.7	12.1	9.2
G113.0	97.3	69.8	13.9	8.7	11.1	50.4	72.1	50.7	12.1	9.3
G114.0	91.6	65.1	12.4	8.9	11.2	45.0	67.1	44.8	12.1	9.5
G115.0	86.2	60.9	11.6	9.1	11.3	41.5	62.3	41.6	12.2	9.7
G116.0	81.6	56.9	11.2	9.3	11.3	36.1	58.0	37.9	12.3	9.9
G117.0	76.2	50.4	11.2	9.5	11.5	33.6	53.6	34.2	12.4	10.1
G118.0	71.5	46.6	11.4	9.7	11.6	29.8	49.5	31.0	12.5	10.3
G119.0	66.9	43.0	11.6	9.9	11.7	28.2	45.6	28.2	12.6	10.6
G120.0	62.0	39.2	11.8	10.2	11.9	25.4	42.3	25.4	12.7	10.7
G121.0	57.6	36.0	11.9	10.3	12.0	22.9	38.4	23.0	12.9	11.0
G122.0	53.2	33.0	12.1	10.6	12.1	20.3	34.6	20.7	13.0	11.2
G123.0	49.4	30.1	12.3	10.8	12.3	18.0	31.1	18.6	13.2	11.4
G124.0	45.6	27.5	12.5	11.1	12.5	17.1	28.4	17.3	13.3	11.6
G125.0	42.4	24.8	12.6	11.2	12.6	16.1	25.2	16.9	13.5	11.9
G126.0	38.5	22.5	12.8	11.5	12.9	15.9	22.6	16.7	13.6	12.1
G127.0	35.0	20.4	13.0	11.8	12.9	15.9	20.3	16.6	13.9	12.3
G128.0	31.7	18.3	13.1	11.9	13.1	15.9	18.8	16.8	13.9	12.5
G129.0	28.6	16.9	13.3	12.2	13.3	16.0	18.2	16.9	13.9	12.7
G130.0	25.7	16.1	13.5	12.5	13.4	16.0	18.1	16.9	14.2	12.9
G131.0	23.0	16.0	13.6	12.6	13.5	16.1	18.1	16.9	14.2	13.1
G132.0	20.9	16.1	13.8	12.8	13.7	16.1	18.1	17.1	14.4	13.3
G133.0	18.6	16.3	13.9	13.1	13.8	16.3	18.2	17.1	14.5	13.5
G134.0	17.8	16.3	14.1	13.2	13.9	16.3	18.1	17.2	14.5	13.7
G135.0	17.7	16.4	14.2	13.5	14.1	16.4	18.3	17.3	14.6	13.9
G136.0	17.8	16.6	14.4	13.7	14.3	16.4	18.3	17.4	14.8	14.0
G137.0	17.8	16.7	14.4	13.9	14.3	16.5	18.3	17.4	14.9	14.3
G138.0	17.8	16.7	14.7	14.0	14.4	16.6	18.3	17.5	15.2	14.4
G139.0	17.9	16.9	14.8	14.2	14.6	16.6	18.4	17.6	15.2	14.7
G140.0	17.9	17.0	14.9	14.3	14.7	16.7	18.4	17.6	15.3	14.8
G141.0	18.0	17.0	15.2	14.6	14.8	16.9	18.4	17.7	15.4	15.0
G142.0	18.0	17.2	15.3	14.8	14.9	16.9	18.5	17.8	15.5	15.3
G143.0	18.1	17.2	15.4	14.9	15.1	16.9	18.5	17.8	15.7	15.4
G144.0	18.2	17.3	15.6	15.2	15.2	17.0	18.5	17.9	15.8	15.6
G145.0	18.3	17.5	15.7	15.4	15.3	17.1	18.5	17.8	15.9	15.8
G146.0	18.3	17.5	15.9	15.6	15.5	17.1	18.6	18.0	16.1	16.0
G147.0	18.3	17.5	16.0	15.8	15.7	17.2	18.6	18.0	16.2	16.2

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	18.3	17.7	16.2	16.0	15.9	17.2	18.6	18.1	16.4	16.4
G149.0	18.4	17.7	16.4	16.2	16.0	17.3	18.5	18.1	16.6	16.5
G150.0	18.4	17.8	16.5	16.5	16.3	17.5	18.5	18.1	16.6	16.7
G151.0	18.4	17.9	16.6	16.6	16.4	17.5	18.6	18.1	16.8	16.9
G152.0	18.5	18.0	16.9	16.8	16.5	17.5	18.6	18.2	17.0	17.0
G153.0	18.5	18.0	16.9	16.9	16.6	17.5	18.5	18.1	17.2	17.2
G154.0	18.6	18.1	17.1	17.0	16.8	17.5	18.5	18.0	17.2	17.3
G155.0	18.5	18.1	17.2	17.2	17.0	17.5	18.5	18.1	17.4	17.5
G156.0	18.5	18.2	17.4	17.3	17.1	17.7	18.5	18.1	17.5	17.7
G157.0	18.6	18.3	17.5	17.5	17.2	17.7	18.5	18.1	17.7	17.9
G158.0	18.6	18.4	17.6	17.7	17.2	17.8	18.5	18.1	17.8	17.9
G159.0	18.6	18.4	17.7	17.8	17.5	17.9	18.5	18.1	17.9	18.1
G160.0	18.6	18.5	17.8	17.8	17.6	17.9	18.6	18.3	18.0	18.2
G161.0	18.8	18.6	18.0	17.9	17.7	18.0	18.6	18.4	18.2	18.4
G162.0	18.8	18.6	18.1	18.1	17.8	18.1	18.6	18.4	18.3	18.6
G163.0	18.8	18.7	18.3	18.4	17.9	18.3	18.6	18.6	18.4	18.6
G164.0	18.8	18.8	18.4	18.4	18.1	18.4	18.7	18.6	18.5	18.8
G165.0	18.9	18.8	18.5	18.5	18.1	18.5	18.8	18.8	18.6	18.9
G166.0	19.0	18.9	18.5	18.6	18.3	18.6	18.8	18.9	18.7	19.0
G167.0	19.0	18.9	18.6	18.8	18.5	18.6	18.9	19.0	19.0	19.1
G168.0	19.1	19.1	18.8	18.9	18.6	18.8	19.0	19.1	19.1	19.2
G169.0	19.1	19.1	18.9	19.0	18.8	18.8	19.1	19.1	19.2	19.4
G170.0	19.2	19.2	18.9	19.0	18.9	19.0	19.2	19.2	19.2	19.4
G171.0	19.2	19.2	19.0	19.1	19.0	18.9	19.3	19.3	19.4	19.4
G172.0	19.4	19.2	19.1	19.2	19.0	19.0	19.3	19.5	19.4	19.5
G173.0	19.4	19.4	19.1	19.4	19.2	19.3	19.5	19.7	19.5	19.6
G174.0	19.5	19.4	19.2	19.5	19.3	19.4	19.7	19.8	19.6	19.6
G175.0	19.5	19.5	19.2	19.5	19.4	19.5	19.8	19.8	19.7	19.7
G176.0	19.6	19.5	19.4	19.6	19.4	19.5	19.9	19.9	19.7	19.7
G177.0	19.7	19.6	19.5	19.6	19.4	19.6	19.8	20.0	19.7	19.7
G178.0	19.8	19.6	19.5	19.7	19.5	19.7	19.9	19.9	19.7	19.7
G179.0	19.7	19.8	19.6	19.6	19.5	19.7	19.8	19.9	19.7	19.7
G180.0	19.8	19.8	19.6	19.8	19.5	19.7	19.8	19.9	19.7	19.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1370.4	1369.7	1379.9							
G1.0	1370.7	1370.0	1380.8							
G2.0	1370.7	1370.1	1380.7							
G3.0	1369.4	1369.5	1380.9							
G4.0	1368.4	1368.3	1380.4							
G5.0	1366.0	1367.4	1379.0							
G6.0	1363.5	1365.5	1377.7							
G7.0	1360.3	1363.2	1375.8							
G8.0	1356.1	1360.6	1373.9							
G9.0	1352.1	1357.9	1370.8							
G10.0	1347.8	1353.9	1367.9							
G11.0	1342.2	1349.9	1364.6							
G12.0	1336.8	1345.4	1360.3							
G13.0	1330.4	1340.5	1356.3							
G14.0	1323.2	1335.1	1351.4							
G15.0	1316.2	1329.2	1346.4							
G16.0	1307.9	1322.5	1340.6							
G17.0	1299.5	1316.4	1334.7							
G18.0	1290.4	1309.4	1328.6							
G19.0	1280.7	1301.5	1321.8							
G20.0	1271.1	1293.6	1314.9							
G21.0	1261.5	1285.0	1307.5							
G22.0	1249.6	1276.0	1299.4							
G23.0	1238.7	1267.0	1291.4							
G24.0	1226.0	1256.9	1282.2							
G25.0	1214.3	1247.0	1273.6							
G26.0	1202.3	1237.0	1264.3							
G27.0	1188.1	1225.7	1254.1							
G28.0	1174.9	1215.0	1243.9							
G29.0	1161.8	1203.6	1234.1							
G30.0	1146.6	1190.9	1222.5							
G31.0	1132.4	1179.2	1211.7							
G32.0	1117.1	1165.6	1199.6							
G33.0	1101.9	1152.7	1188.2							
G34.0	1086.2	1139.7	1176.5							
G35.0	1069.6	1125.3	1162.8							
G36.0	1053.4	1112.2	1150.9							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1035.9	1096.7	1137.9							
G38.0	1019.1	1083.2	1123.7							
G39.0	1002.9	1068.8	1110.2							
G40.0	983.8	1052.7	1095.5							
G41.0	967.1	1037.3	1081.3							
G42.0	949.4	1022.6	1067.3							
G43.0	930.5	1006.1	1051.2							
G44.0	913.0	990.2	1036.6							
G45.0	894.1	973.5	1021.6							
G46.0	875.7	957.3	1005.6							
G47.0	856.6	940.9	989.7							
G48.0	837.1	922.7	972.9							
G49.0	818.2	906.5	957.0							
G50.0	799.8	890.2	941.5							
G51.0	779.2	871.6	923.6							
G52.0	760.7	855.0	907.2							
G53.0	740.5	835.9	891.5							
G54.0	721.2	819.2	874.4							
G55.0	702.6	801.6	857.6							
G56.0	681.5	783.6	839.4							
G57.0	663.5	766.3	823.3							
G58.0	644.1	749.7	806.6							
G59.0	623.7	730.9	788.2							
G60.0	604.2	713.7	772.1							
G61.0	583.7	695.0	753.6							
G62.0	565.6	678.4	737.3							
G63.0	546.3	662.0	720.5							
G64.0	526.4	643.1	702.1							
G65.0	507.5	626.6	685.7							
G66.0	489.6	609.8	668.8							
G67.0	469.2	592.2	651.5							
G68.0	451.4	575.9	635.0							
G69.0	432.8	557.7	617.7							
G70.0	414.8	541.9	601.1							
G71.0	398.0	525.4	584.9							
G72.0	379.0	508.3	567.8							
G73.0	362.7	492.9	551.9							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	345.9	477.0	536.7							
G75.0	328.8	460.7	519.4							
G76.0	312.5	445.2	504.5							
G77.0	296.0	428.5	487.5							
G78.0	280.6	414.2	473.0							
G79.0	266.1	399.2	458.2							
G80.0	250.1	384.2	441.9							
G81.0	236.5	369.8	428.0							
G82.0	221.4	355.2	413.6							
G83.0	208.5	341.1	398.9							
G84.0	195.6	328.4	385.5							
G85.0	182.8	314.0	370.4							
G86.0	170.9	301.7	357.0							
G87.0	159.7	289.1	344.5							
G88.0	147.6	276.1	330.8							
G89.0	137.4	263.9	318.5							
G90.0	126.4	251.6	306.0							
G91.0	117.1	239.8	293.2							
G92.0	107.9	229.2	281.8							
G93.0	98.1	216.9	268.6							
G94.0	89.5	206.5	257.1							
G95.0	82.2	196.0	246.3							
G96.0	74.8	185.3	234.0							
G97.0	69.1	175.1	223.8							
G98.0	63.1	165.4	213.0							
G99.0	58.1	156.4	202.3							
G100.0	53.1	148.9	192.2							
G101.0	47.8	140.6	182.9							
G102.0	42.8	133.6	174.5							
G103.0	39.1	127.0	166.8							
G104.0	35.1	119.7	158.2							
G105.0	31.8	113.4	150.8							
G106.0	28.5	107.0	143.3							
G107.0	25.9	100.9	135.9							
G108.0	23.7	95.1	129.5							
G109.0	21.5	89.1	122.1							
G110.0	19.5	84.2	115.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	17.5	79.3	109.5							
G112.0	15.4	74.1	103.2							
G113.0	13.9	69.3	97.3							
G114.0	12.4	64.8	91.6							
G115.0	11.8	60.4	86.2							
G116.0	11.8	56.2	81.6							
G117.0	11.9	50.3	76.2							
G118.0	12.1	46.2	71.5							
G119.0	12.2	43.0	66.9							
G120.0	12.4	39.1	62.0							
G121.0	12.5	36.1	57.6							
G122.0	12.7	33.0	53.2							
G123.0	12.9	30.1	49.4							
G124.0	13.0	27.4	45.6							
G125.0	13.3	24.8	42.4							
G126.0	13.4	22.4	38.5							
G127.0	13.6	20.3	35.0							
G128.0	13.8	18.3	31.7							
G129.0	13.9	17.1	28.6							
G130.0	13.8	16.7	25.7							
G131.0	14.1	16.7	23.0							
G132.0	14.2	16.8	20.9							
G133.0	14.4	16.8	18.6							
G134.0	14.6	16.9	17.8							
G135.0	14.7	17.0	17.7							
G136.0	14.8	17.1	17.8							
G137.0	14.9	17.1	17.8							
G138.0	15.1	17.3	17.8							
G139.0	15.3	17.4	17.9							
G140.0	15.4	17.4	17.9							
G141.0	15.5	17.5	18.0							
G142.0	15.8	17.6	18.0							
G143.0	15.9	17.7	18.1							
G144.0	16.0	17.8	18.2							
G145.0	16.2	17.8	18.3							
G146.0	16.4	17.9	18.3							
G147.0	16.5	18.0	18.3							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	16.6	18.1	18.3							
G149.0	16.7	18.1	18.4							
G150.0	16.9	18.1	18.4							
G151.0	17.1	18.3	18.4							
G152.0	17.2	18.3	18.5							
G153.0	17.3	18.4	18.5							
G154.0	17.4	18.3	18.6							
G155.0	17.5	18.4	18.5							
G156.0	17.7	18.5	18.5							
G157.0	17.8	18.5	18.6							
G158.0	17.8	18.5	18.6							
G159.0	18.0	18.5	18.6							
G160.0	18.1	18.6	18.6							
G161.0	18.2	18.7	18.8							
G162.0	18.3	18.8	18.8							
G163.0	18.4	18.8	18.8							
G164.0	18.5	18.9	18.8							
G165.0	18.5	19.0	18.9							
G166.0	18.7	19.0	19.0							
G167.0	18.8	19.0	19.0							
G168.0	18.9	19.1	19.1							
G169.0	18.9	19.1	19.1							
G170.0	19.0	19.1	19.2							
G171.0	19.1	19.2	19.2							
G172.0	19.1	19.3	19.4							
G173.0	19.2	19.4	19.4							
G174.0	19.2	19.4	19.5							
G175.0	19.3	19.5	19.5							
G176.0	19.4	19.4	19.6							
G177.0	19.5	19.5	19.7							
G178.0	19.5	19.6	19.8							
G179.0	19.5	19.6	19.7							
G180.0	19.5	19.6	19.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	12825.21
L 0-180(75) av	15673.11
L 0-180(85) av	32706.31
L 90-270(65) av	8517.14
L 90-270(75) av	7545.17
L 90-270(85) av	6656.19
L 45(65) av	10753.25
L 45(75) av	12045.18
L 45(85) av	22132.80

Standard: GB/T 29293-2012

Preheating curve

Preheating curve

Max.										
Min.										

Preheat time: 0 h Sample interval:1 s Stable range: 0.00 % Stable time: 00:00:00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector: