

Report No.:

Test Time: 2023-07-27 17:41

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps:

Luminous Length (mm): 1200

Luminous Height (mm): 40

Current: 0.537 A

Power Factor: 0.994

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 100

Voltage: 119.6 V

Power: 63.89 W

Photometric Results

CIE Class: Direct

Measurement Flux: 8577.6 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 211.4, 160.4, 189.3, 188.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 124.6, 105.3, 114.4, 113.2

Luminous Efficacy (lm/w): 134.26

Max. Intensity: 2582.75 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 8577.6 lm

Efficiency: 100%

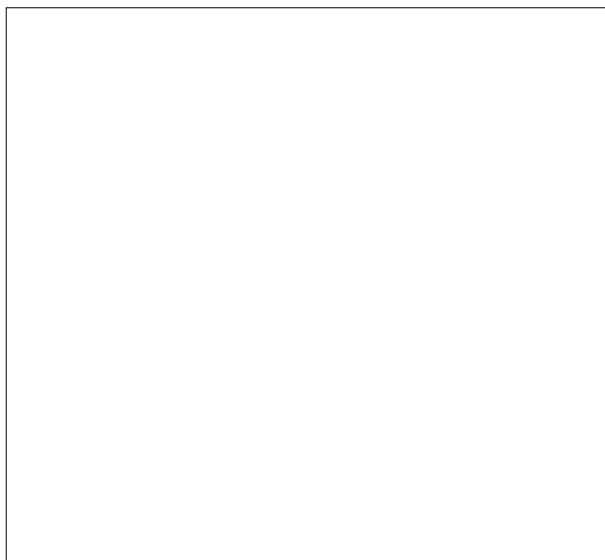
Upward Ratio: 7%

C0r0 Intensity: 2581.93 cd

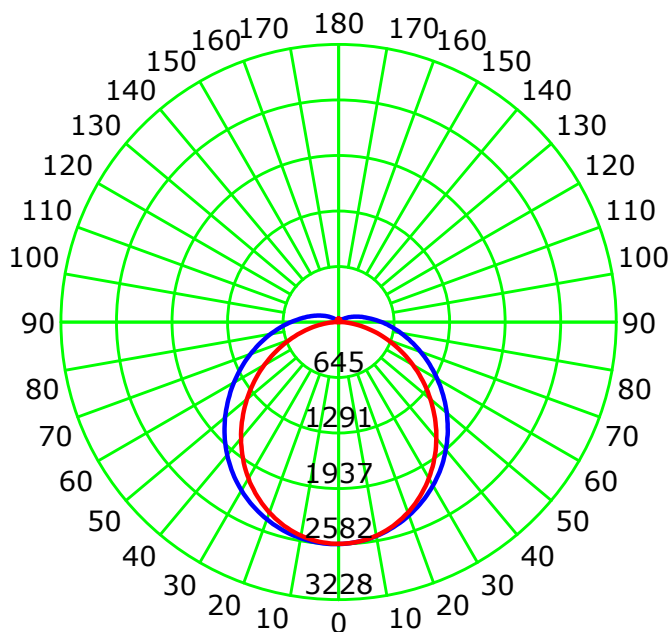
Pos of Max. Intensity: H180 V1

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

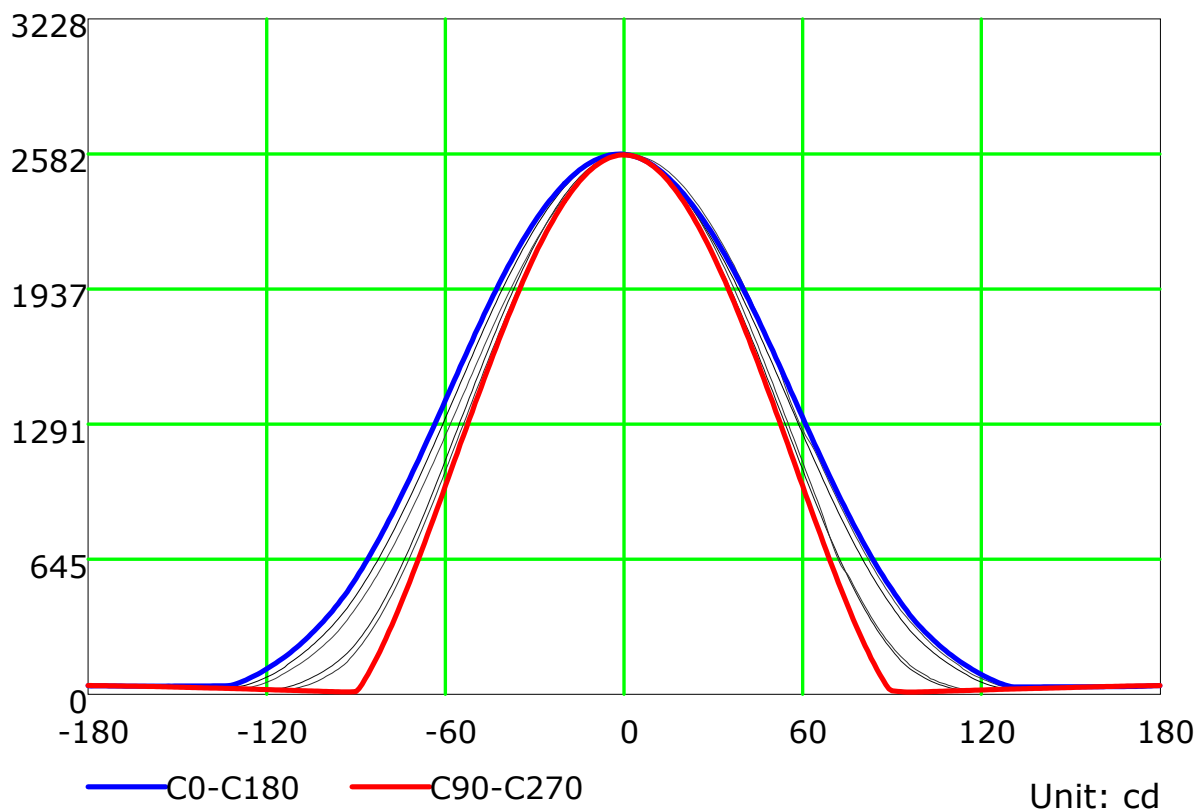
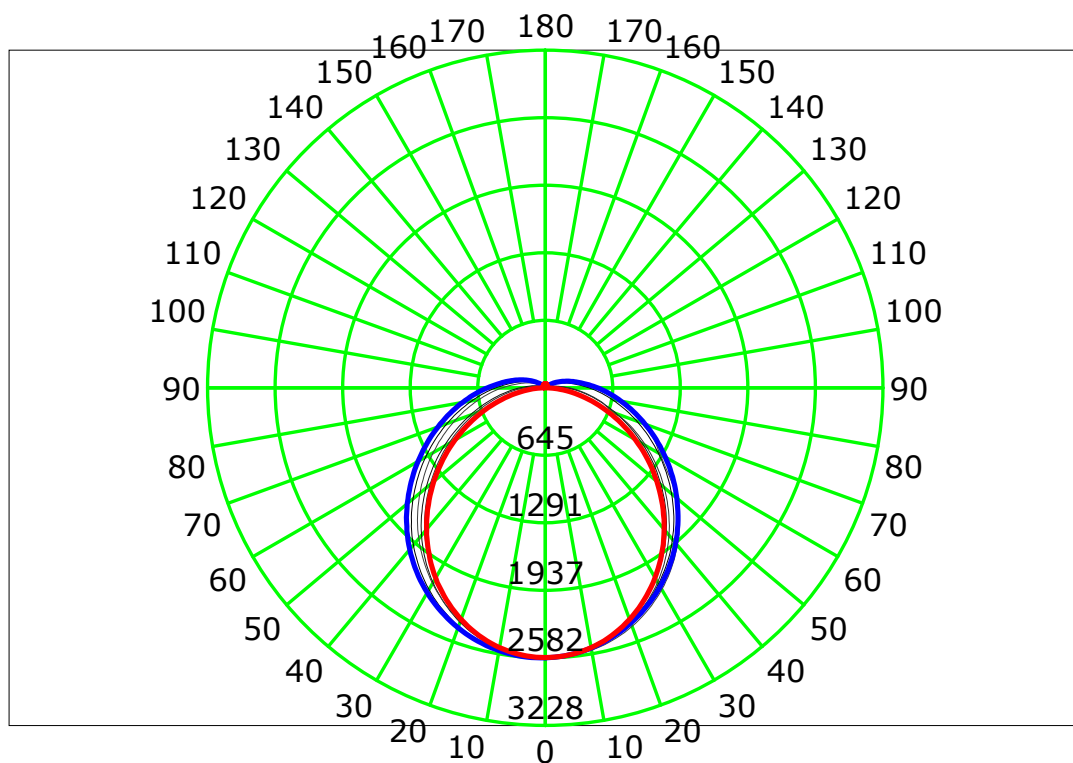
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

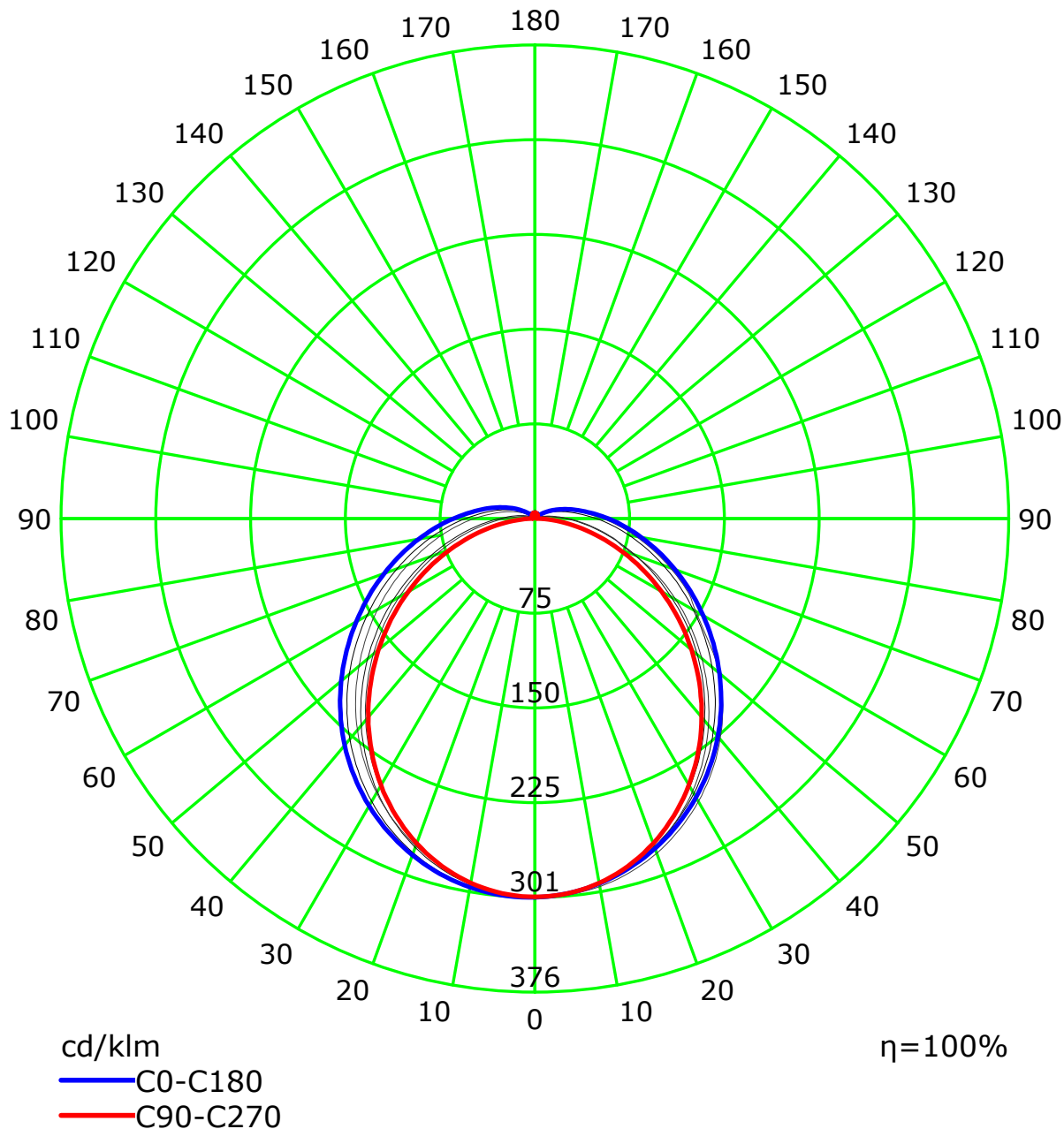
Luminous Intensity Distribution Curve



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)



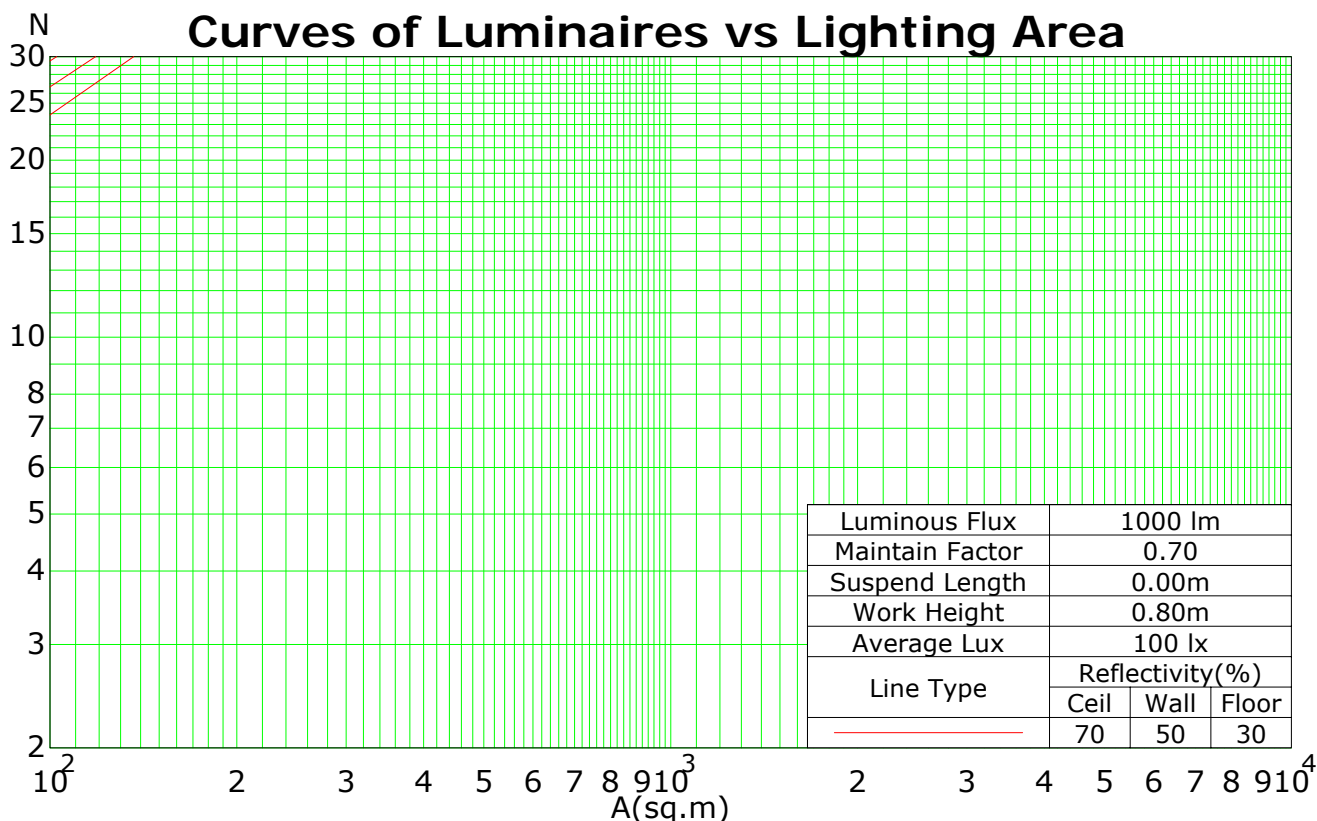
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	1.01	1.01	1.01	0.96	0.96	0.96	0.93
1	1.05	1.00	0.95	0.91	1.02	0.97	0.92	0.88	0.91	0.88	0.84	0.86	0.83	0.80	0.81	0.79	0.77	0.74
2	0.95	0.86	0.79	0.73	0.92	0.84	0.77	0.71	0.79	0.73	0.68	0.75	0.70	0.66	0.71	0.67	0.63	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	0.65	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	0.38	0.65	0.52	0.43	0.37	0.49	0.42	0.36	0.47	0.40	0.35	0.45	0.39	0.34	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

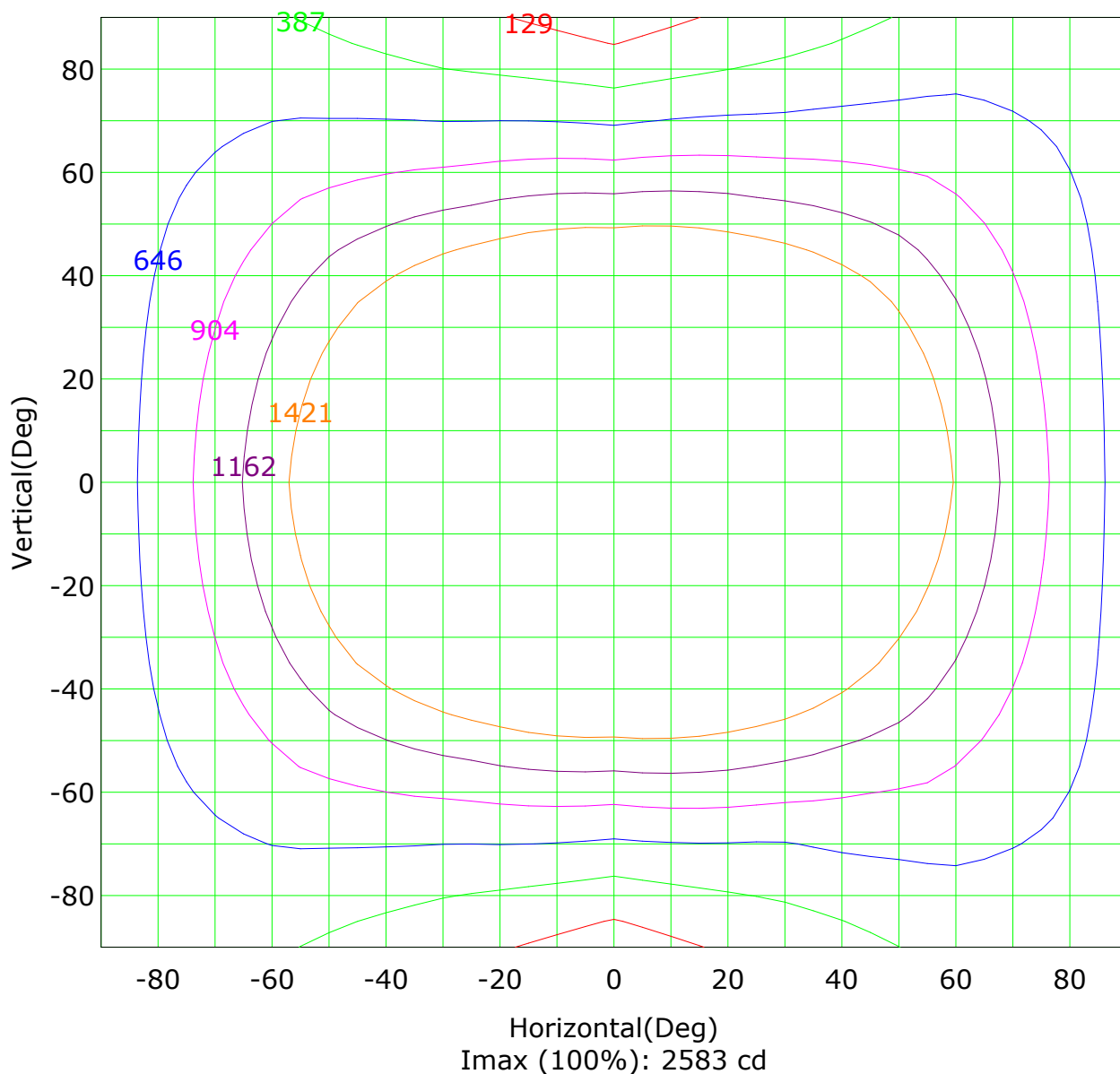
Spacing Criteria (0-180): 1.28
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.37



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)



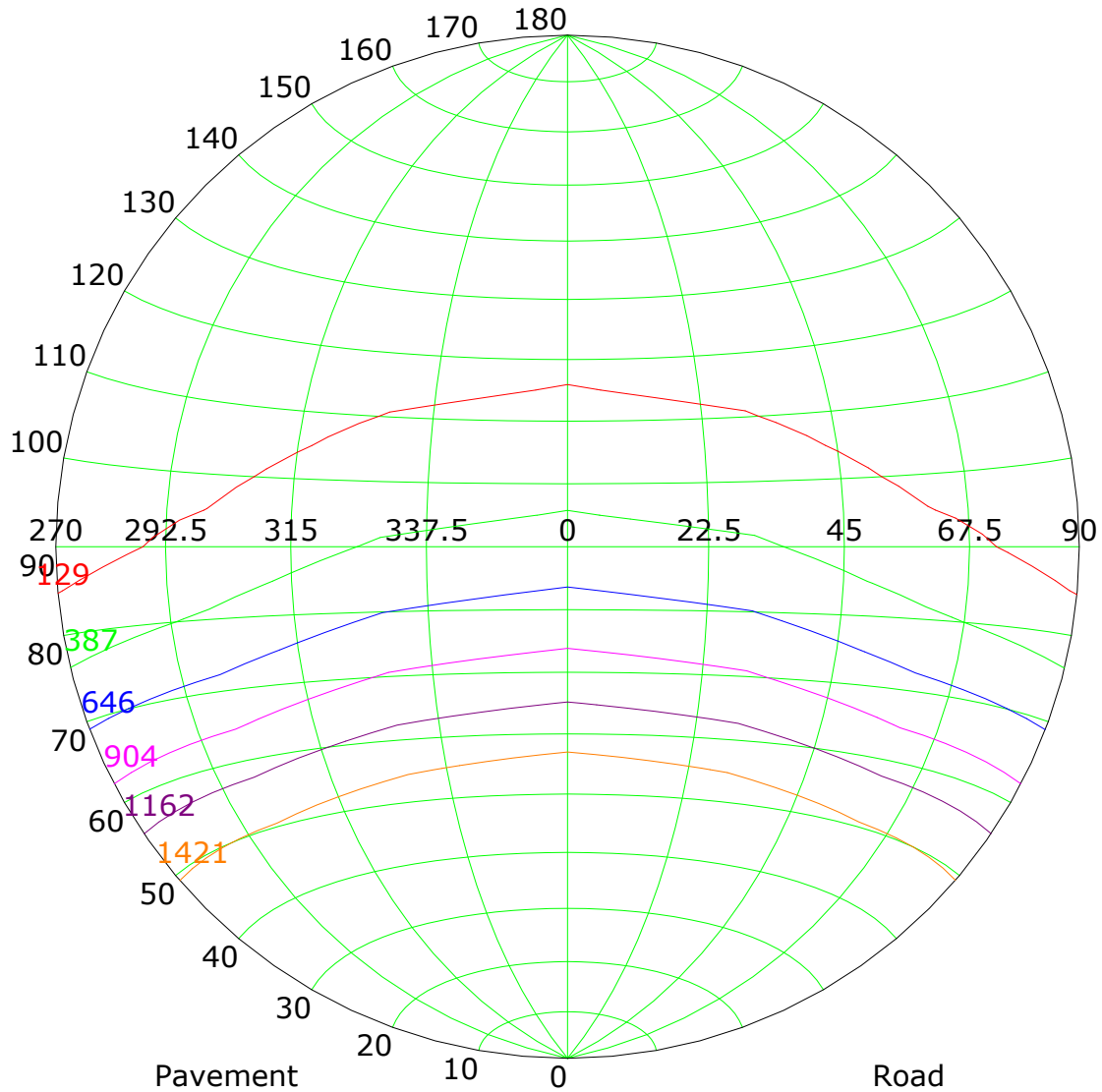
(5%): 129 cd
(25%): 646 cd
(45%): 1162 cd

(15%): 387 cd
(35%): 904 cd
(55%): 1421 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%): 2583 cd

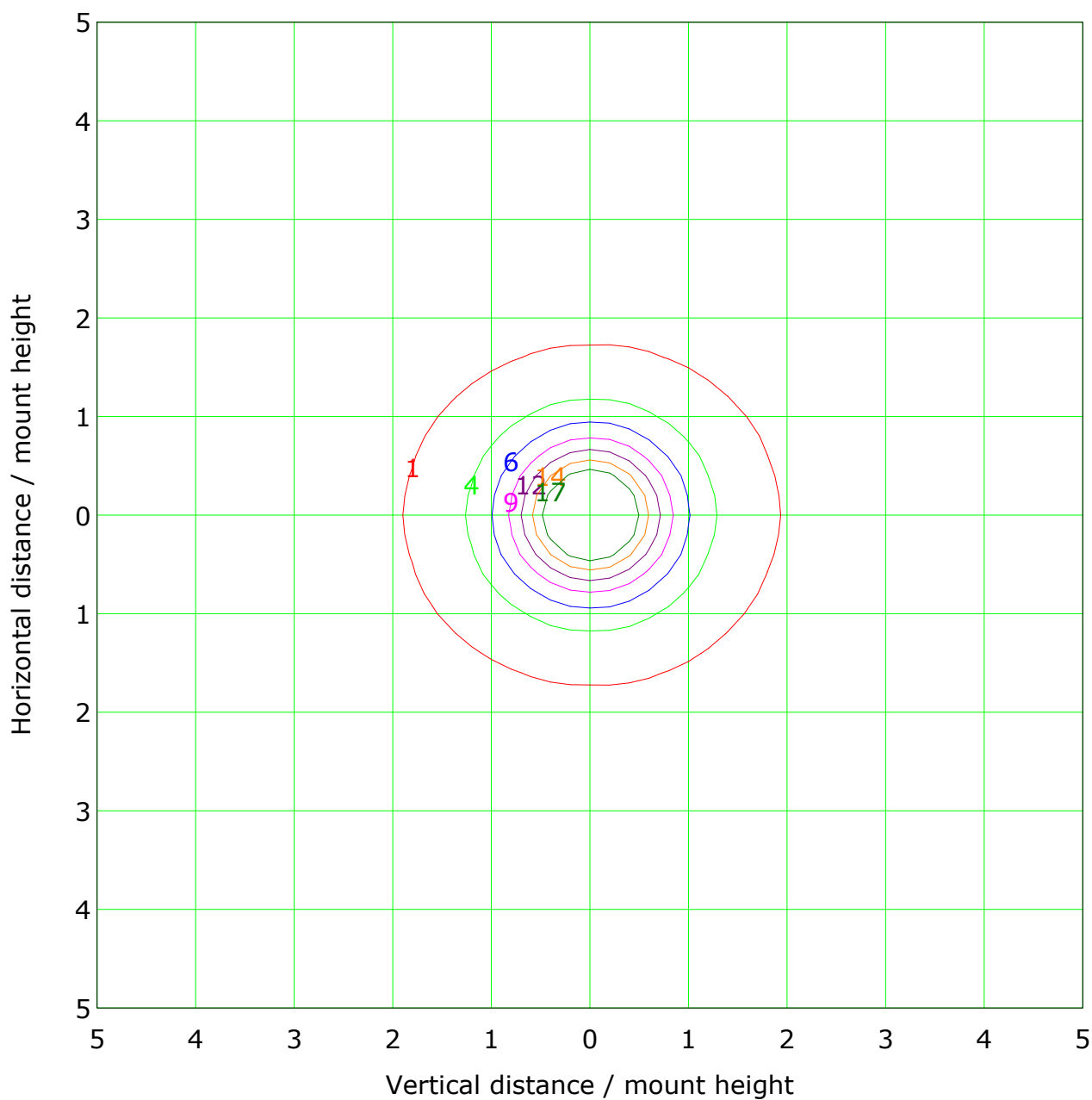
(5%): 129 cd
(25%): 646 cd
(45%): 1162 cd

(15%): 387 cd
(35%): 904 cd
(55%): 1421 cd

CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 64.651 cd/klm

IES: Non-cut-off
Max.At80: 93.634 cd/klm
Max.80-90: 93.634 cd/klm

IsoLux Plot



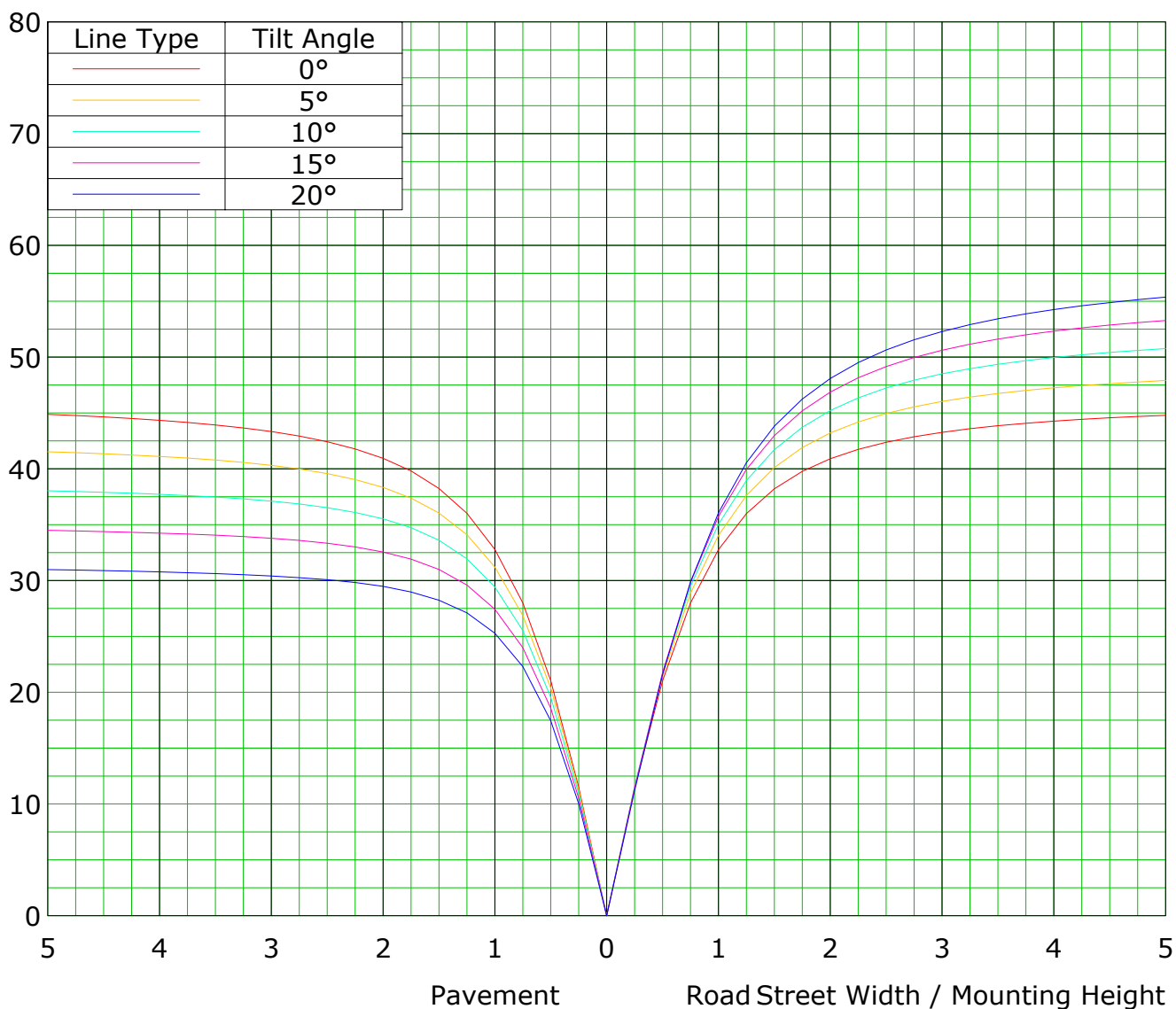
Mounting Height: 10.0m		Max Lux(100%): 25.8 lx	
— (5%):	1.3 lx	— (15%):	3.9 lx
— (25%):	6.5 lx	— (35%):	9.0 lx
— (45%):	11.6 lx	— (55%):	14.2 lx
— (65%):	16.8 lx		

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(%)

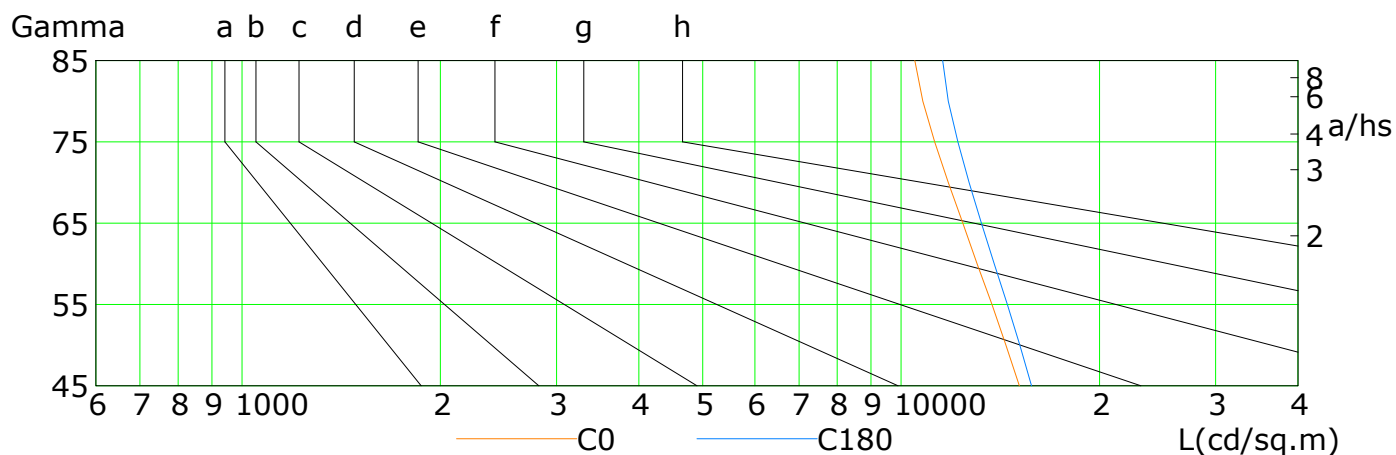
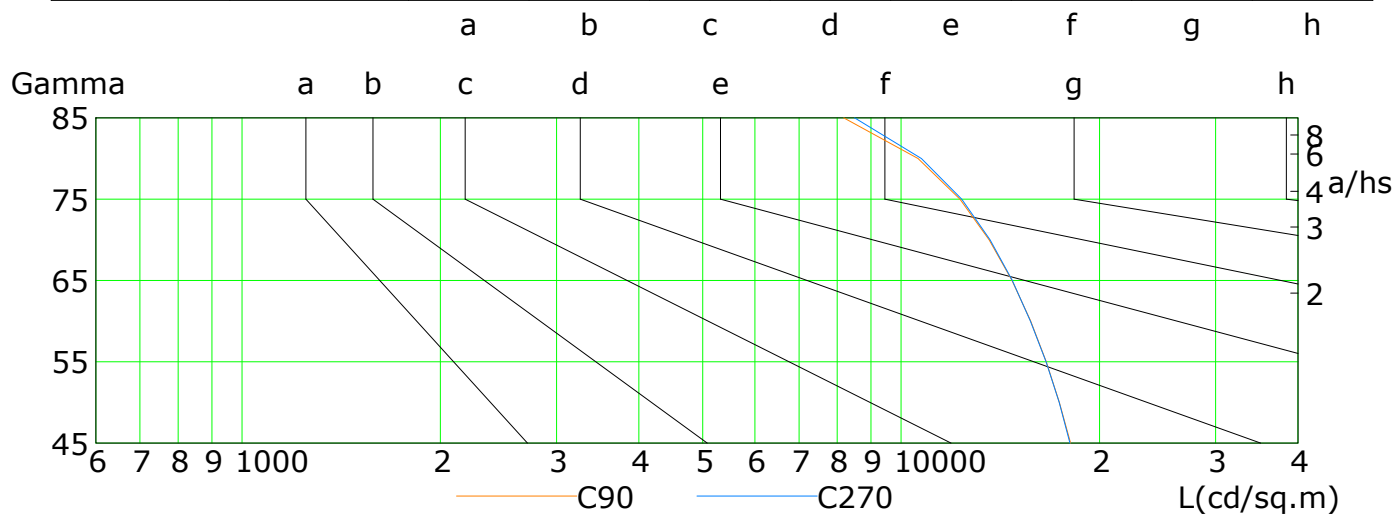


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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

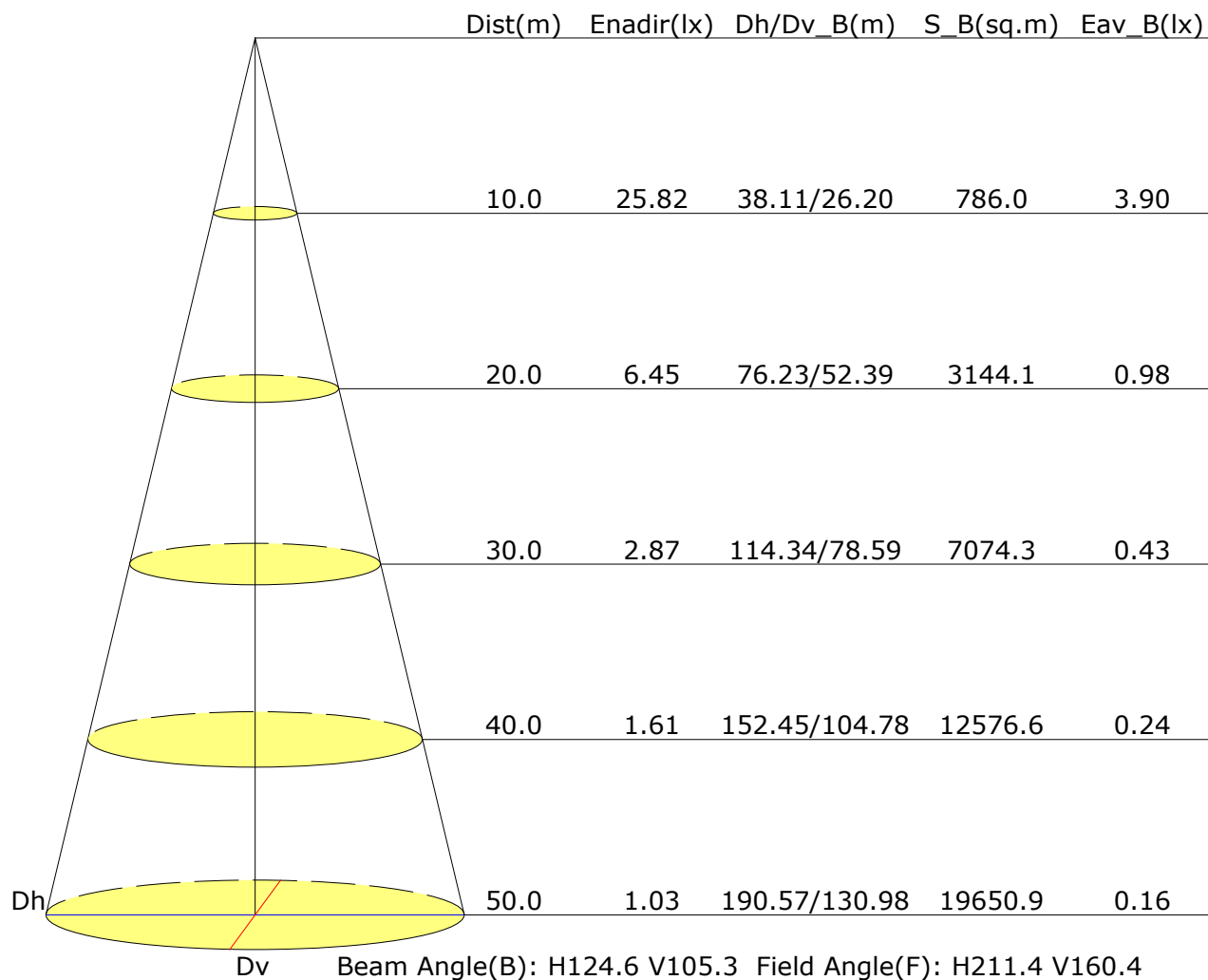


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	15111	14422	13733	13039	12405	11790	11242	10789	10487
C90	18078	17383	16602	15724	14733	13595	12283	10608	8183
C180	15773	15141	14489	13842	13235	12677	12194	11792	11561
C270	18032	17369	16595	15711	14747	13646	12358	10731	8500

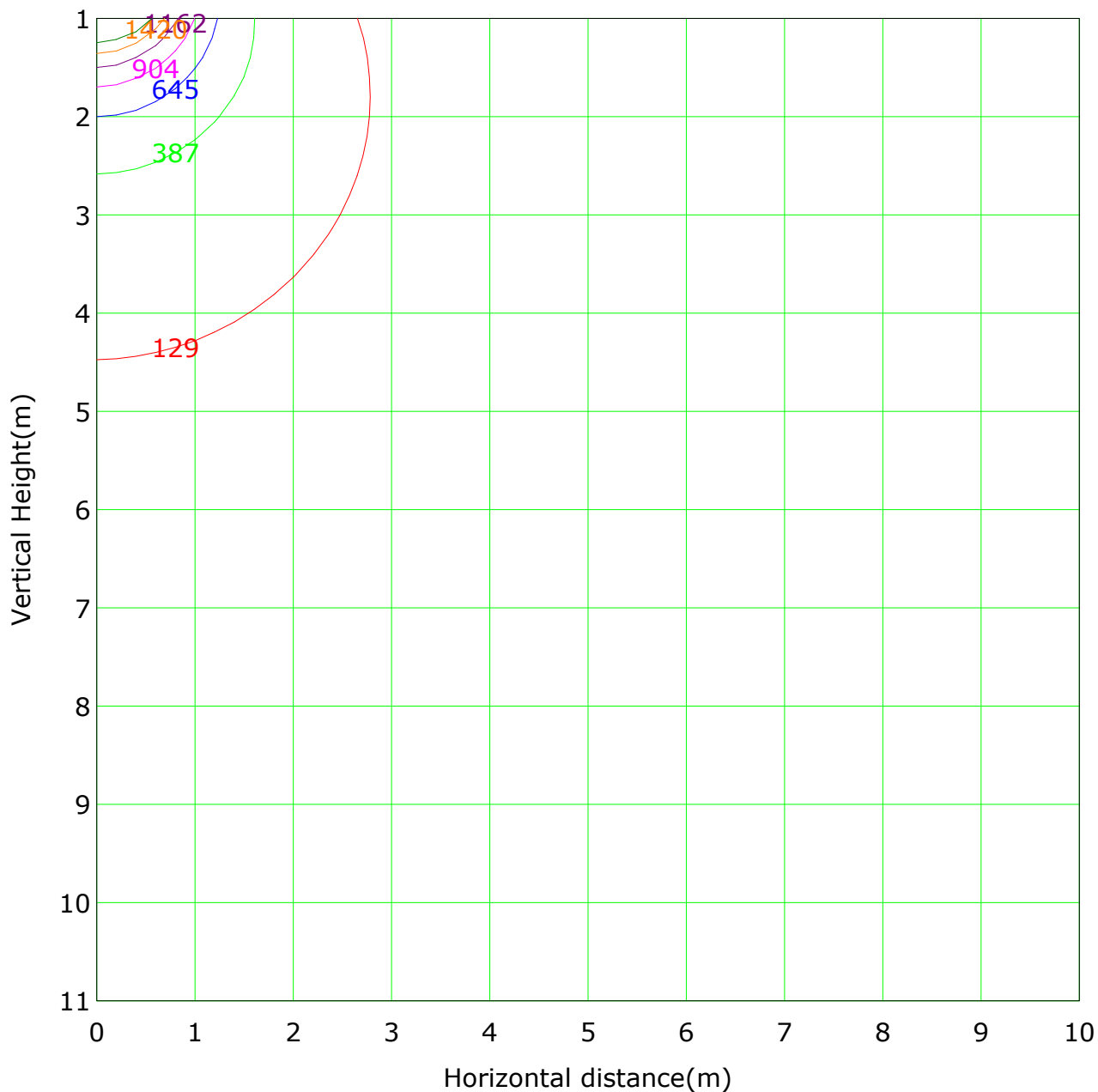
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2581.9 lx

(5%): 129.1 lx

(15%): 387.3 lx

(25%): 645.5 lx

(35%): 903.7 lx

(45%): 1161.9 lx

(55%): 1420.1 lx

(65%): 1678.3 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:

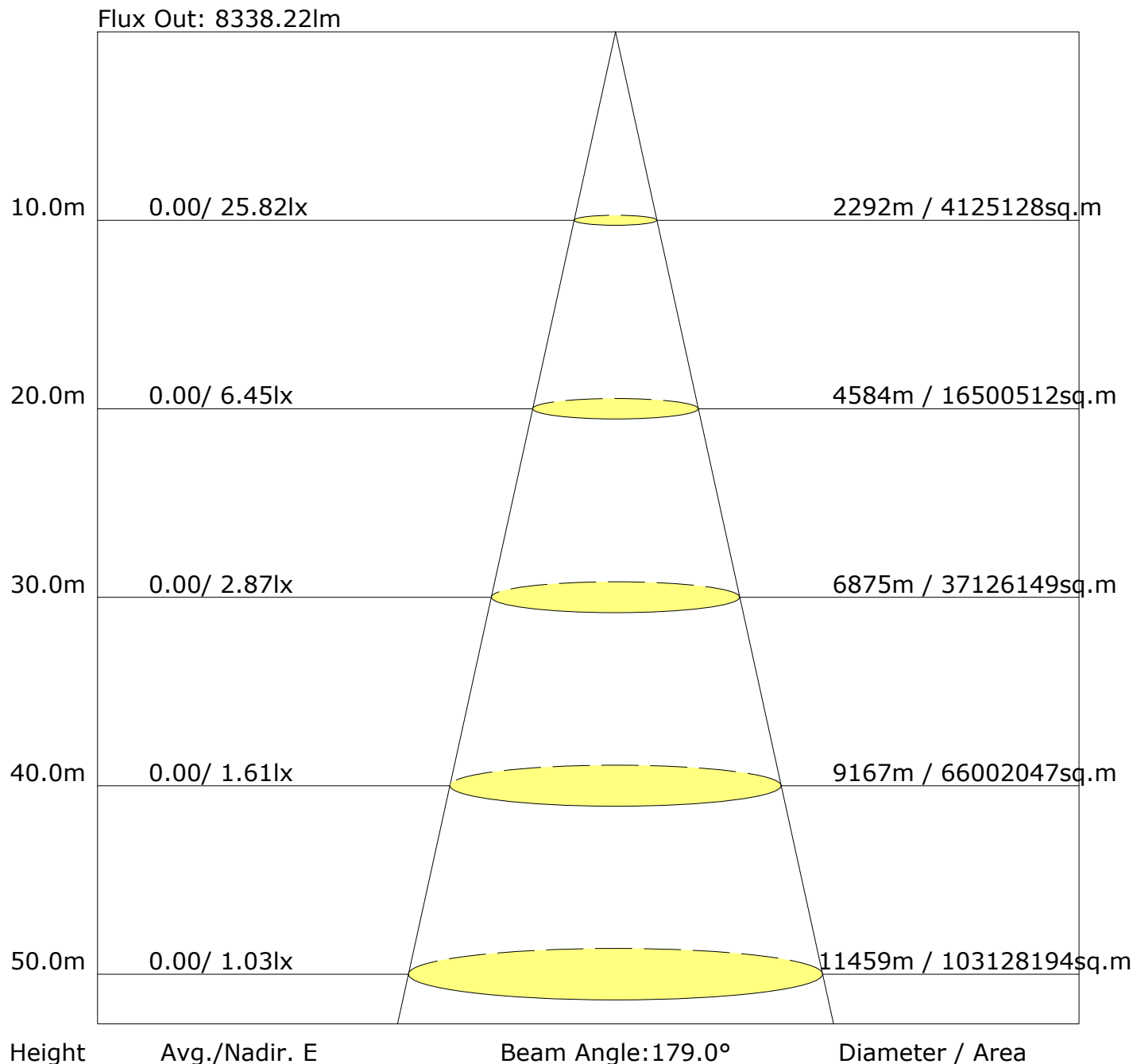
Inspector:

Area Flux Table

Unit: lm

		Orbit, min																		
-90	1.5	4.3	6.9	8.7	9.3	9.1	8.3	6.9	5.0	4.8	6.3	7.3	8.0	8.2	7.7	6.1	3.8	1.3	113.3	93.1
-80	1.5	4.8	8.2	11.2	13.2	14.4	14.9	14.9	14.0	13.8	14.2	13.9	13.1	11.9	10.1	7.3	4.3	1.4	187.0	187.0
-70	1.6	5.3	9.6	14.0	17.7	20.8	23.1	24.8	24.9	24.6	24.0	21.9	19.4	16.4	12.8	8.7	4.8	1.4	275.9	275.9
-60	1.7	5.8	11.0	17.0	22.7	27.9	32.2	35.5	36.6	36.3	34.6	30.9	26.4	21.2	15.7	10.1	5.3	1.5	372.2	372.2
-50	1.7	6.3	12.4	19.8	27.7	35.1	41.4	46.1	48.2	47.9	45.1	39.9	33.4	26.0	18.4	11.4	5.7	1.6	468.0	468.0
-40	1.8	6.7	13.6	22.4	32.2	41.7	49.8	55.9	58.9	58.5	54.8	48.2	39.8	30.4	21.0	12.6	6.1	1.6	556.0	556.0
-30	1.8	7.1	14.7	24.5	35.8	47.2	56.9	64.0	67.7	67.3	62.9	55.2	45.2	34.0	23.1	13.7	6.5	1.7	629.2	629.2
-20	1.9	7.3	15.5	26.2	38.4	50.9	61.9	69.9	74.0	73.6	68.7	60.1	49.0	36.6	24.7	14.5	6.8	1.7	681.8	681.8
-10	1.9	7.5	16.0	27.2	40.0	53.0	64.4	73.0	77.4	76.9	71.8	62.8	51.1	38.2	25.7	15.0	6.9	1.7	710.7	710.7
0	1.9	7.5	16.0	27.1	40.0	53.0	64.5	73.0	77.4	77.0	71.9	62.9	51.2	38.3	25.7	15.0	6.9	1.7	710.9	710.9
10	1.9	7.3	15.4	25.9	38.4	50.9	61.9	70.0	74.1	73.6	68.8	60.3	49.1	36.7	24.8	14.5	6.8	1.7	682.1	682.1
20	1.8	7.0	14.6	24.0	35.6	47.1	56.9	64.0	67.7	67.3	62.9	55.4	45.4	34.2	23.2	13.7	6.5	1.7	629.1	629.1
30	1.8	6.7	13.5	21.9	31.4	41.5	49.8	55.8	58.9	58.5	54.9	48.4	40.0	30.6	21.1	12.7	6.2	1.6	555.1	555.1
40	1.7	6.2	12.2	19.5	26.8	34.5	41.2	46.1	48.2	47.9	45.2	40.1	33.6	26.2	18.6	11.5	5.7	1.6	466.8	466.8
50	1.7	5.7	10.9	16.7	22.2	27.4	32.0	35.4	36.6	36.4	34.7	31.0	26.6	21.4	15.8	10.1	5.3	1.5	371.3	371.3
60	1.6	5.2	9.4	13.7	17.1	19.9	22.4	24.4	24.8	24.7	24.1	22.1	19.6	16.5	12.9	8.7	4.8	1.4	273.5	273.5
70	1.5	4.7	8.0	10.9	12.8	13.8	14.2	14.3	13.7	13.7	14.3	14.0	13.3	12.1	10.2	7.4	4.3	1.4	184.7	184.7
80	1.5	4.2	6.7	8.5	9.0	8.7	7.9	6.6	4.8	4.7	6.3	7.5	8.2	8.3	7.8	6.1	3.8	1.3	112.0	91.2
90	30.7	109.6	214.7	339.0	470.2	596.8	703.7	780.6	813.0	807.6	765.4	681.8	572.4	447.3	319.1	199.3	100.5	27.9	7980	
Flux(T)	30.7	109.6	214.7	339.0	470.2	596.5	699.5	773.6	805.2	800.0	758.1	676.4	571.0	447.3	319.1	199.3	100.5	27.9		7939
Flux(E)	30.7	109.6	214.7	339.0	470.2	596.5	699.5	773.6	805.2	800.0	758.1	676.4	571.0	447.3	319.1	199.3	100.5	27.9		7939
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)

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	21.3	22.6	21.7	23.0	23.4	21.0	22.4	21.4	22.7	23.1
3H	23.0	24.3	23.5	24.7	25.1	22.5	23.7	22.9	24.1	24.5
4H	23.9	25.1	24.3	25.5	25.9	23.1	24.2	23.5	24.6	25.1
6H	24.7	25.8	25.2	26.2	26.7	23.5	24.6	24.0	25.0	25.5
8H	25.1	26.1	25.6	26.6	27.1	23.7	24.7	24.1	25.2	25.6
12H	25.4	26.4	25.9	26.9	27.4	23.7	24.8	24.2	25.2	25.7
X=4H Y=2H	21.9	23.0	22.3	23.4	23.9	21.6	22.8	22.1	23.2	23.7
3H	23.8	24.9	24.3	25.3	25.8	23.3	24.3	23.8	24.8	25.3
4H	24.9	25.8	25.4	26.2	26.8	24.0	24.9	24.5	25.4	25.9
6H	25.8	26.6	26.4	27.1	27.7	24.6	25.4	25.1	25.9	26.5
8H	26.3	27.0	26.8	27.6	28.1	24.8	25.6	25.4	26.1	26.7
12H	26.7	27.4	27.3	28.0	28.6	25.0	25.6	25.5	26.2	26.8
X=8H Y=4H	25.1	25.9	25.7	26.4	27.0	24.4	25.2	24.9	25.7	26.3
6H	26.3	26.9	26.9	27.5	28.1	25.2	25.8	25.7	26.3	27.0
8H	26.9	27.5	27.5	28.1	28.7	25.5	26.0	26.1	26.6	27.2
12H	27.5	28.0	28.1	28.6	29.3	25.7	26.2	26.3	26.8	27.5
X=12H Y=4H	25.2	25.8	25.7	26.4	27.0	24.5	25.2	25.0	25.7	26.3
6H	26.4	27.0	27.0	27.5	28.2	25.3	25.9	25.9	26.4	27.1
8H	27.1	27.6	27.7	28.2	28.8	25.7	26.2	26.3	26.8	27.4
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/-0.8					+0.5/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 8578lm ($8\log(F/F_0) = 7.5$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

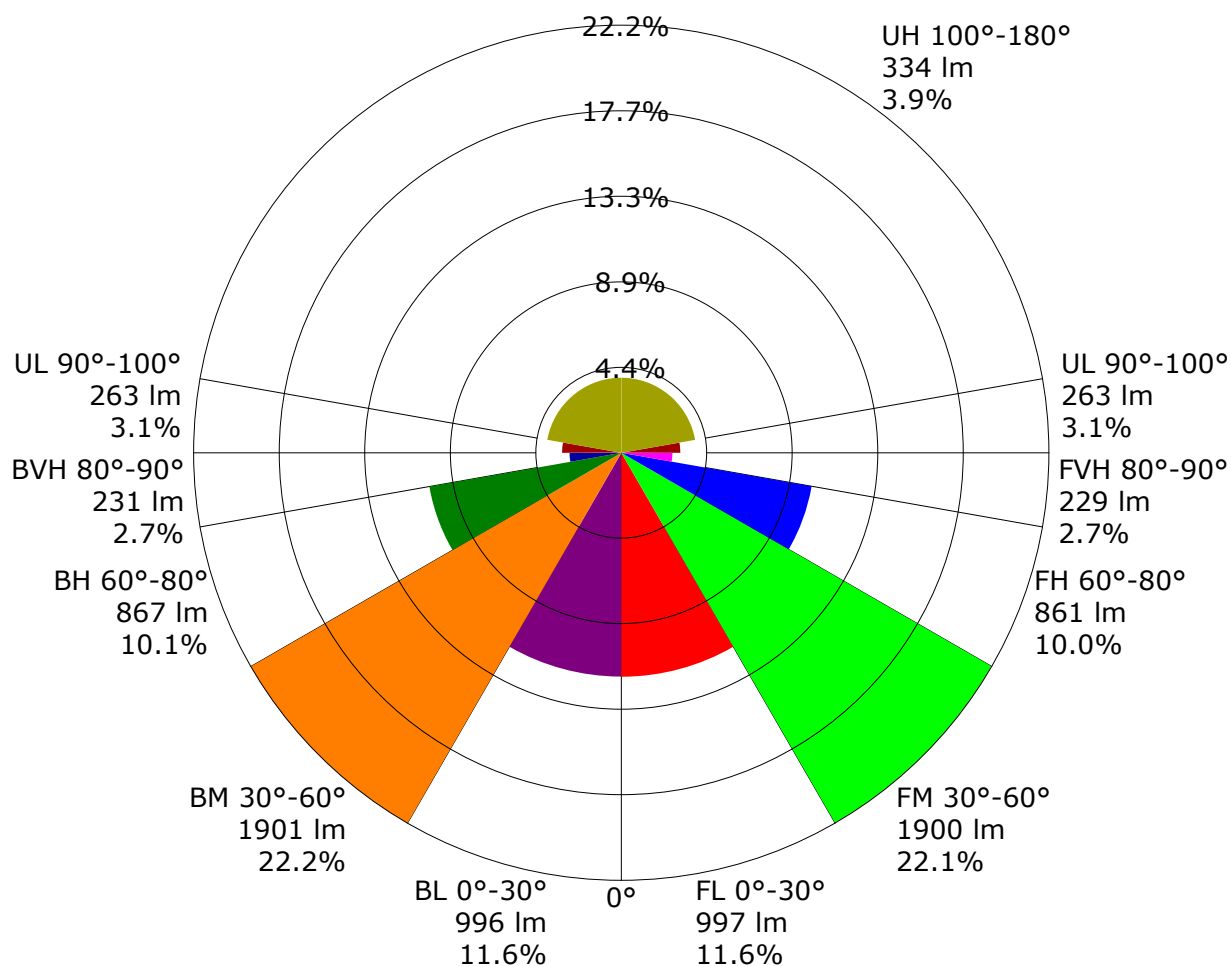
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	3986	46.5
	FL (0°-30°)	997	11.6
	FM (30°-60°)	1900	22.1
	FH (60°-80°)	861	10.0
	FVH (80°-90°)	229	2.7
	BACK LIGHT	3994	46.6
	BL (0°-30°)	996	11.6
	BM (30°-60°)	1901	22.2
	BH (60°-80°)	867	10.1
	BVH (80°-90°)	231	2.7
	UP LIGHT	597	7.0
	UL (90°-100°)	263	3.1
	UH (100°-180°)	334	3.9
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U5 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U5 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	0.80	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	0.82	0.86	
0.30	0.50	0.20	0.48	0.57	0.63	0.67	0.73	0.78	0.81	0.85	0.88	
	0.30		0.42	0.51	0.57	0.62	0.69	0.73	0.77	0.82	0.85	
	0.20		0.37	0.46	0.52	0.57	0.65	0.70	0.74	0.79	0.82	
0.00	0.00	0.00	0.34	0.42	0.49	0.53	0.60	0.65	0.68	0.73	0.76	
Rating:64W 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(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	0.74	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		0.73	0.64	0.57	0.52	0.44	0.38	0.34	0.27	0.23	
0.50	0.50	0.20	0.98	0.82	0.70	0.62	0.50	0.45	0.37	0.29	0.24	
	0.30		0.83	0.71	0.62	0.56	0.46	0.39	0.35	0.28	0.23	
	0.20		0.72	0.63	0.56	0.50	0.42	0.37	0.32	0.26	0.22	
0.30	0.50	0.20	0.93	0.77	0.67	0.59	0.48	0.40	0.35	0.28	0.23	
	0.30		0.80	0.68	0.60	0.53	0.44	0.38	0.33	0.26	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	0.59	0.51	0.45	0.40	0.33	0.29	0.25	0.20	0.17	
Rating:64W 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	0.25	0.25	0.26	0.27	0.28	0.28	0.28	0.29	
	0.30		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26	
	0.20		0.11	0.13	0.14	0.15	0.17	0.19	0.20	0.22	0.23	
0.50	0.50	0.20	0.22	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	
	0.30		0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	
	0.20		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.22	
0.30	0.50	0.20	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	
	0.30		0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	
	0.20		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
Rating:64W 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	2578.7	2.5	2.5	0.03	0.03
1.0-2.0	2577.9	7.4	9.9	0.09	0.12
2.0-3.0	2575.8	12.3	22.2	0.14	0.26
3.0-4.0	2572.8	17.2	39.4	0.20	0.46
4.0-5.0	2569.0	22.1	61.5	0.26	0.72
5.0-6.0	2564.0	26.9	88.5	0.31	1.03
6.0-7.0	2558.1	31.8	120.2	0.37	1.40
7.0-8.0	2551.2	36.5	156.7	0.43	1.83
8.0-9.0	2543.4	41.2	198.0	0.48	2.31
9.0-10.0	2534.7	45.9	243.8	0.53	2.84
10.0-11.0	2524.8	50.5	294.3	0.59	3.43
11.0-12.0	2514.0	55.0	349.3	0.64	4.07
12.0-13.0	2502.8	59.4	408.7	0.69	4.76
13.0-14.0	2490.0	63.7	472.4	0.74	5.51
14.0-15.0	2476.4	68.0	540.4	0.79	6.30
15.0-16.0	2461.9	72.1	612.5	0.84	7.14
16.0-17.0	2446.4	76.2	688.7	0.89	8.03
17.0-18.0	2430.8	80.2	768.9	0.93	8.96
18.0-19.0	2413.5	84.0	852.9	0.98	9.94
19.0-20.0	2395.6	87.7	940.6	1.02	10.97
20.0-21.0	2377.5	91.3	1031.9	1.06	12.03
21.0-22.0	2357.7	94.8	1126.6	1.10	13.13
22.0-23.0	2337.4	98.1	1224.7	1.14	14.28
23.0-24.0	2316.1	101.3	1326.0	1.18	15.46
24.0-25.0	2294.1	104.3	1430.3	1.22	16.68
25.0-26.0	2272.4	107.3	1537.6	1.25	17.93
26.0-27.0	2248.9	110.0	1647.6	1.28	19.21
27.0-28.0	2224.8	112.7	1760.3	1.31	20.52
28.0-29.0	2201.0	115.2	1875.5	1.34	21.86
29.0-30.0	2175.4	117.5	1992.9	1.37	23.23
30.0-31.0	2149.3	119.6	2112.6	1.39	24.63
31.0-32.0	2122.3	121.6	2234.2	1.42	26.05
32.0-33.0	2094.7	123.4	2357.6	1.44	27.49
33.0-34.0	2067.5	125.1	2482.7	1.46	28.94
34.0-35.0	2038.4	126.6	2609.3	1.48	30.42
35.0-36.0	2009.0	127.9	2737.3	1.49	31.91

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1980.0	129.2	2866.4	1.51	33.42
37.0-38.0	1949.5	130.1	2996.6	1.52	34.93
38.0-39.0	1919.2	131.0	3127.6	1.53	36.46
39.0-40.0	1887.7	131.7	3259.3	1.54	38.00
40.0-41.0	1855.8	132.2	3391.4	1.54	39.54
41.0-42.0	1824.8	132.6	3524.0	1.55	41.08
42.0-43.0	1791.9	132.8	3656.8	1.55	42.63
43.0-44.0	1758.7	132.8	3789.5	1.55	44.18
44.0-45.0	1725.6	132.6	3922.2	1.55	45.73
45.0-46.0	1691.6	132.3	4054.5	1.54	47.27
46.0-47.0	1658.1	131.9	4186.4	1.54	48.81
47.0-48.0	1623.4	131.3	4317.6	1.53	50.34
48.0-49.0	1588.4	130.5	4448.1	1.52	51.86
49.0-50.0	1554.7	129.6	4577.7	1.51	53.37
50.0-51.0	1519.1	128.5	4706.3	1.50	54.87
51.0-52.0	1483.3	127.3	4833.5	1.48	56.35
52.0-53.0	1448.0	126.0	4959.5	1.47	57.82
53.0-54.0	1411.7	124.4	5084.0	1.45	59.27
54.0-55.0	1376.2	122.9	5206.8	1.43	60.70
55.0-56.0	1340.1	121.1	5328.0	1.41	62.11
56.0-57.0	1304.2	119.3	5447.2	1.39	63.51
57.0-58.0	1269.7	117.4	5564.6	1.37	64.87
58.0-59.0	1233.8	115.4	5680.0	1.34	66.22
59.0-60.0	1198.2	113.2	5793.2	1.32	67.54
60.0-61.0	1163.1	111.0	5904.2	1.29	68.83
61.0-62.0	1128.2	108.7	6013.0	1.27	70.10
62.0-63.0	1095.4	106.5	6119.5	1.24	71.34
63.0-64.0	1061.2	104.1	6223.6	1.21	72.56
64.0-65.0	1026.7	101.6	6325.3	1.18	73.74
65.0-66.0	993.7	99.2	6424.4	1.16	74.90
66.0-67.0	959.3	96.5	6520.9	1.12	76.02
67.0-68.0	925.1	93.7	6614.6	1.09	77.12
68.0-69.0	891.1	90.9	6705.5	1.06	78.18
69.0-70.0	857.0	88.0	6793.6	1.03	79.20
70.0-71.0	825.1	85.3	6878.9	0.99	80.20
71.0-72.0	792.6	82.4	6961.3	0.96	81.16

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	760.8	79.6	7040.9	0.93	82.08
73.0-74.0	731.2	76.9	7117.7	0.90	82.98
74.0-75.0	701.5	74.1	7191.9	0.86	83.85
75.0-76.0	672.1	71.4	7263.2	0.83	84.68
76.0-77.0	642.5	68.5	7331.7	0.80	85.48
77.0-78.0	613.5	65.7	7397.4	0.77	86.24
78.0-79.0	586.3	63.0	7460.4	0.73	86.98
79.0-80.0	558.4	60.2	7520.6	0.70	87.68
80.0-81.0	531.0	57.4	7578.1	0.67	88.35
81.0-82.0	505.0	54.8	7632.8	0.64	88.99
82.0-83.0	479.1	52.1	7684.9	0.61	89.59
83.0-84.0	454.5	49.5	7734.5	0.58	90.17
84.0-85.0	430.0	46.9	7781.4	0.55	90.72
85.0-86.0	406.3	44.4	7825.8	0.52	91.24
86.0-87.0	384.3	42.1	7867.9	0.49	91.73
87.0-88.0	362.2	39.7	7907.6	0.46	92.19
88.0-89.0	341.0	37.4	7944.9	0.44	92.62
89.0-90.0	321.7	35.3	7980.2	0.41	93.04
90.0-91.0	304.1	33.3	8013.6	0.39	93.42
91.0-92.0	288.3	31.6	8045.2	0.37	93.79
92.0-93.0	272.7	29.9	8075.0	0.35	94.14
93.0-94.0	258.0	28.2	8103.3	0.33	94.47
94.0-95.0	244.7	26.8	8130.0	0.31	94.78
95.0-96.0	231.6	25.3	8155.3	0.29	95.08
96.0-97.0	219.2	23.9	8179.2	0.28	95.36
97.0-98.0	208.0	22.6	8201.8	0.26	95.62
98.0-99.0	197.1	21.4	8223.2	0.25	95.87
99.0-100.0	186.9	20.2	8243.4	0.24	96.10
100.0-101.0	176.9	19.1	8262.5	0.22	96.33
101.0-102.0	167.0	18.0	8280.4	0.21	96.54
102.0-103.0	157.9	16.9	8297.3	0.20	96.73
103.0-104.0	148.9	15.9	8313.2	0.19	96.92
104.0-105.0	140.4	14.9	8328.1	0.17	97.09
105.0-106.0	132.1	14.0	8342.1	0.16	97.25
106.0-107.0	124.4	13.1	8355.1	0.15	97.41
107.0-108.0	117.4	12.3	8367.4	0.14	97.55

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	110.2	11.5	8378.9	0.13	97.68
109.0-110.0	103.3	10.7	8389.6	0.12	97.81
110.0-111.0	97.1	10.0	8399.5	0.12	97.92
111.0-112.0	90.9	9.3	8408.8	0.11	98.03
112.0-113.0	85.2	8.6	8417.4	0.10	98.13
113.0-114.0	79.6	8.0	8425.5	0.09	98.23
114.0-115.0	74.4	7.4	8432.9	0.09	98.31
115.0-116.0	70.0	6.9	8439.8	0.08	98.39
116.0-117.0	65.6	6.4	8446.2	0.08	98.47
117.0-118.0	61.7	6.0	8452.2	0.07	98.54
118.0-119.0	58.2	5.6	8457.9	0.07	98.60
119.0-120.0	54.8	5.2	8463.1	0.06	98.67
120.0-121.0	51.7	4.9	8468.0	0.06	98.72
121.0-122.0	48.6	4.5	8472.5	0.05	98.78
122.0-123.0	45.7	4.2	8476.7	0.05	98.82
123.0-124.0	43.1	3.9	8480.7	0.05	98.87
124.0-125.0	40.6	3.7	8484.4	0.04	98.91
125.0-126.0	38.3	3.4	8487.8	0.04	98.95
126.0-127.0	36.4	3.2	8491.0	0.04	98.99
127.0-128.0	35.0	3.0	8494.0	0.04	99.03
128.0-129.0	33.8	2.9	8496.9	0.03	99.06
129.0-130.0	33.0	2.8	8499.7	0.03	99.09
130.0-131.0	32.5	2.7	8502.4	0.03	99.12
131.0-132.0	32.2	2.6	8505.1	0.03	99.15
132.0-133.0	32.1	2.6	8507.7	0.03	99.19
133.0-134.0	32.2	2.6	8510.2	0.03	99.21
134.0-135.0	32.3	2.5	8512.8	0.03	99.24
135.0-136.0	32.5	2.5	8515.3	0.03	99.27
136.0-137.0	32.7	2.5	8517.7	0.03	99.30
137.0-138.0	32.9	2.4	8520.2	0.03	99.33
138.0-139.0	33.1	2.4	8522.6	0.03	99.36
139.0-140.0	33.2	2.4	8524.9	0.03	99.39
140.0-141.0	33.4	2.3	8527.3	0.03	99.41
141.0-142.0	33.6	2.3	8529.6	0.03	99.44
142.0-143.0	33.7	2.3	8531.8	0.03	99.47
143.0-144.0	33.9	2.2	8534.0	0.03	99.49

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	34.1	2.2	8536.2	0.03	99.52
145.0-146.0	34.3	2.1	8538.3	0.02	99.54
146.0-147.0	34.5	2.1	8540.4	0.02	99.57
147.0-148.0	34.7	2.0	8542.5	0.02	99.59
148.0-149.0	34.9	2.0	8544.5	0.02	99.61
149.0-150.0	35.1	2.0	8546.4	0.02	99.64
150.0-151.0	35.3	1.9	8548.3	0.02	99.66
151.0-152.0	35.5	1.9	8550.2	0.02	99.68
152.0-153.0	35.6	1.8	8552.0	0.02	99.70
153.0-154.0	35.8	1.8	8553.7	0.02	99.72
154.0-155.0	36.0	1.7	8555.4	0.02	99.74
155.0-156.0	36.1	1.6	8557.1	0.02	99.76
156.0-157.0	36.3	1.6	8558.6	0.02	99.78
157.0-158.0	36.5	1.5	8560.2	0.02	99.80
158.0-159.0	36.6	1.5	8561.6	0.02	99.81
159.0-160.0	36.8	1.4	8563.1	0.02	99.83
160.0-161.0	37.0	1.4	8564.4	0.02	99.85
161.0-162.0	37.2	1.3	8565.7	0.02	99.86
162.0-163.0	37.3	1.2	8566.9	0.01	99.88
163.0-164.0	37.5	1.2	8568.1	0.01	99.89
164.0-165.0	37.7	1.1	8569.2	0.01	99.90
165.0-166.0	37.9	1.0	8570.3	0.01	99.91
166.0-167.0	38.1	1.0	8571.2	0.01	99.93
167.0-168.0	38.3	0.9	8572.1	0.01	99.94
168.0-169.0	38.6	0.8	8573.0	0.01	99.95
169.0-170.0	38.8	0.8	8573.8	0.01	99.96
170.0-171.0	39.1	0.7	8574.5	0.01	99.96
171.0-172.0	39.3	0.6	8575.1	0.01	99.97
172.0-173.0	39.6	0.6	8575.7	0.01	99.98
173.0-174.0	39.9	0.5	8576.2	0.01	99.98
174.0-175.0	40.3	0.4	8576.6	0.00	99.99
175.0-176.0	40.6	0.3	8576.9	0.00	99.99
176.0-177.0	40.8	0.3	8577.2	0.00	100.00
177.0-178.0	41.1	0.2	8577.4	0.00	100.00
178.0-179.0	41.3	0.1	8577.5	0.00	100.00
179.0-180.0	41.5	0.0	8577.6	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°): 3922.16 lm

%lum = 45.7%
%lamp = 45.7%

cone flux(120°): 5793.22 lm

%lum = 67.5%
%lamp = 67.5%

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	2581.9	2578.3	2578.0	2578.7	2578.9	2577.8	2581.9	2578.3	2578.0	2578.7
G1.0	2580.0	2577.0	2577.3	2578.1	2579.3	2578.8	2582.8	2579.1	2578.4	2578.2
G2.0	2577.7	2574.0	2574.8	2576.3	2578.9	2578.8	2582.6	2578.6	2578.2	2577.0
G3.0	2573.9	2570.6	2570.9	2573.5	2577.1	2577.9	2581.9	2577.8	2575.3	2573.0
G4.0	2569.7	2566.2	2567.4	2570.3	2573.6	2576.5	2580.2	2575.8	2572.6	2569.3
G5.0	2564.6	2560.9	2561.7	2564.7	2570.0	2573.7	2577.5	2573.3	2568.6	2564.7
G6.0	2558.3	2554.7	2554.7	2558.8	2564.6	2570.1	2574.0	2569.9	2563.4	2557.8
G7.0	2551.7	2547.9	2547.6	2551.1	2558.4	2565.9	2569.6	2564.6	2557.4	2550.5
G8.0	2544.6	2540.0	2539.6	2543.1	2551.9	2560.4	2563.9	2559.1	2549.7	2541.9
G9.0	2535.3	2531.8	2529.2	2533.0	2543.8	2554.3	2558.1	2552.7	2542.0	2532.2
G10.0	2526.5	2521.4	2518.9	2522.6	2534.2	2547.4	2551.9	2545.7	2533.3	2522.2
G11.0	2516.1	2510.6	2506.8	2510.5	2522.9	2538.6	2543.8	2537.1	2522.0	2510.0
G12.0	2505.4	2499.7	2494.1	2497.3	2512.1	2530.7	2535.9	2528.6	2511.2	2497.2
G13.0	2494.2	2487.7	2481.4	2484.3	2500.6	2520.4	2527.2	2518.9	2499.5	2483.2
G14.0	2481.1	2474.4	2466.3	2468.5	2485.6	2509.1	2516.4	2508.0	2485.2	2467.8
G15.0	2468.5	2460.7	2450.5	2452.4	2472.4	2497.9	2506.4	2496.6	2471.7	2452.6
G16.0	2454.0	2445.0	2433.9	2433.9	2455.9	2485.2	2494.4	2482.9	2455.1	2434.1
G17.0	2440.4	2429.8	2416.3	2416.6	2440.1	2471.9	2482.1	2470.3	2440.0	2416.5
G18.0	2426.2	2414.6	2397.6	2398.4	2422.7	2458.6	2469.9	2456.5	2423.6	2398.3
G19.0	2408.9	2396.1	2377.4	2376.7	2404.2	2442.8	2455.3	2440.4	2403.6	2376.8
G20.0	2393.3	2379.1	2358.5	2357.1	2385.7	2427.6	2441.5	2425.5	2385.5	2356.7
G21.0	2376.1	2361.7	2337.5	2335.0	2365.8	2411.6	2426.4	2409.3	2365.7	2334.6
G22.0	2357.8	2340.7	2314.9	2310.9	2344.1	2392.9	2410.0	2391.1	2344.0	2311.1
G23.0	2340.7	2321.9	2293.1	2288.4	2322.8	2375.2	2394.5	2373.0	2323.6	2288.8
G24.0	2320.7	2301.2	2267.8	2261.7	2299.0	2355.1	2375.8	2353.4	2299.3	2261.8
G25.0	2300.9	2279.6	2245.3	2237.4	2276.1	2336.4	2359.4	2334.5	2277.3	2237.7
G26.0	2281.6	2257.9	2220.1	2211.3	2252.7	2316.9	2342.0	2315.7	2253.7	2212.6
G27.0	2260.2	2234.8	2193.2	2183.0	2226.7	2294.0	2322.1	2292.6	2227.0	2183.5
G28.0	2239.0	2213.3	2168.0	2157.2	2201.1	2273.4	2302.2	2272.0	2202.9	2157.3
G29.0	2218.2	2189.1	2140.5	2128.0	2175.9	2251.3	2282.9	2249.3	2177.0	2130.3
G30.0	2195.1	2164.6	2111.4	2097.5	2147.6	2227.4	2260.2	2225.6	2148.7	2098.0
G31.0	2172.1	2140.8	2083.1	2067.6	2120.3	2205.3	2239.8	2203.3	2122.3	2069.3
G32.0	2147.6	2113.3	2053.1	2035.6	2090.4	2178.3	2215.9	2177.3	2091.4	2037.2
G33.0	2123.8	2088.6	2023.7	2005.8	2061.2	2155.3	2194.1	2152.5	2062.4	2006.3
G34.0	2100.3	2062.4	1994.4	1974.6	2032.8	2129.5	2171.1	2128.5	2034.0	1974.0
G35.0	2073.1	2033.1	1960.8	1939.2	1999.8	2102.4	2145.3	2099.9	2001.3	1938.4
G36.0	2048.6	2007.3	1930.8	1907.1	1970.4	2076.1	2121.8	2074.6	1971.7	1906.6

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	2022.4	1980.6	1899.1	1873.8	1939.1	2050.7	2096.1	2045.3	1938.7	1871.5
G38.0	1994.6	1949.7	1865.1	1838.6	1905.8	2019.7	2070.1	2019.2	1906.9	1837.0
G39.0	1967.7	1921.9	1832.4	1803.6	1873.1	1993.3	2045.2	1991.5	1876.4	1804.3
G40.0	1938.6	1889.7	1797.8	1766.6	1838.6	1962.2	2016.6	1961.8	1840.8	1765.8
G41.0	1910.9	1860.4	1764.0	1731.1	1805.3	1934.5	1990.0	1934.5	1808.7	1731.9
G42.0	1884.2	1831.7	1731.7	1697.1	1772.9	1904.7	1962.2	1905.1	1775.0	1695.9
G43.0	1852.3	1800.0	1694.6	1657.4	1735.5	1872.7	1933.0	1873.5	1738.9	1657.2
G44.0	1824.5	1769.0	1661.0	1622.0	1701.0	1841.8	1905.6	1844.5	1705.9	1621.7
G45.0	1795.1	1738.5	1626.1	1585.1	1667.3	1810.6	1873.8	1811.1	1667.6	1581.1
G46.0	1763.7	1705.2	1589.0	1546.1	1628.8	1777.1	1845.7	1781.5	1633.8	1545.5
G47.0	1733.8	1673.2	1555.1	1508.4	1594.6	1746.6	1816.2	1750.3	1598.3	1507.3
G48.0	1702.3	1639.9	1516.2	1468.8	1557.2	1710.6	1783.8	1717.0	1561.1	1467.9
G49.0	1671.7	1608.9	1480.6	1430.6	1521.3	1678.2	1753.5	1684.6	1525.1	1429.7
G50.0	1642.7	1576.3	1446.3	1394.1	1486.6	1642.8	1724.7	1652.1	1490.4	1393.0
G51.0	1609.6	1542.7	1407.2	1352.3	1446.9	1603.1	1690.6	1617.8	1451.1	1350.8
G52.0	1579.7	1510.7	1370.5	1315.7	1410.7	1562.8	1660.8	1586.3	1416.4	1314.1
G53.0	1548.9	1478.2	1335.9	1276.7	1375.6	1521.0	1628.4	1551.8	1377.9	1272.9
G54.0	1514.9	1444.9	1297.9	1236.0	1335.7	1477.6	1596.9	1519.3	1341.3	1234.0
G55.0	1485.2	1412.2	1261.4	1197.1	1300.7	1437.2	1566.9	1486.7	1306.9	1196.6
G56.0	1451.1	1378.3	1223.0	1155.9	1260.6	1397.9	1532.5	1452.5	1266.5	1153.9
G57.0	1421.3	1346.0	1186.6	1116.8	1225.5	1362.8	1502.2	1419.7	1231.6	1116.6
G58.0	1389.8	1313.5	1150.2	1077.6	1188.7	1329.5	1470.9	1388.4	1195.0	1077.5
G59.0	1355.7	1278.5	1110.3	1035.1	1148.1	1294.2	1437.8	1354.3	1156.6	1036.3
G60.0	1324.4	1247.8	1075.9	997.9	1111.4	1265.9	1405.9	1321.3	1119.7	997.1
G61.0	1292.1	1212.5	1036.5	955.6	1072.5	1237.7	1373.1	1287.4	1081.7	956.1
G62.0	1261.4	1182.2	1000.8	918.5	1035.7	1214.7	1341.2	1254.5	1045.3	917.0
G63.0	1231.5	1150.5	966.7	879.7	1000.6	1193.1	1311.1	1223.5	1010.9	880.1
G64.0	1197.9	1117.0	929.7	839.2	960.2	1166.7	1278.2	1188.5	973.2	839.6
G65.0	1168.7	1086.0	895.0	800.6	925.4	1136.4	1247.0	1158.1	937.8	801.3
G66.0	1138.2	1056.1	862.2	764.3	887.9	1106.8	1217.5	1126.1	902.6	764.9
G67.0	1106.5	1022.0	825.3	722.7	846.2	1072.7	1185.2	1093.3	866.5	723.5
G68.0	1076.5	993.2	791.7	686.8	803.3	1043.8	1154.7	1063.3	834.1	687.5
G69.0	1045.3	960.1	757.3	646.0	757.9	1011.0	1121.4	1030.9	799.2	648.6
G70.0	1015.7	929.8	724.9	609.1	716.4	981.1	1092.1	1000.4	766.0	611.3
G71.0	986.4	901.9	694.4	574.3	678.9	953.2	1063.9	969.9	734.8	576.4
G72.0	956.0	869.7	660.1	534.6	643.6	921.2	1031.0	938.7	699.8	536.8
G73.0	927.7	842.0	630.4	500.5	613.6	893.5	1003.2	910.4	669.8	502.7

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	900.8	813.7	600.0	465.0	592.2	864.8	974.2	881.4	639.0	467.6
G75.0	870.4	784.5	568.9	428.9	575.8	835.3	944.1	851.5	607.4	431.6
G76.0	844.1	756.8	540.0	394.9	552.5	807.5	915.9	823.3	577.9	397.6
G77.0	814.7	728.8	510.3	358.4	522.8	778.7	886.5	792.9	547.8	362.8
G78.0	789.1	702.1	482.9	327.2	497.2	751.7	858.8	766.8	519.8	330.2
G79.0	763.1	677.0	455.9	295.3	471.1	726.4	832.6	739.7	493.6	300.0
G80.0	734.8	649.3	428.7	262.8	443.1	698.0	803.2	712.1	464.5	265.9
G81.0	710.4	623.8	403.3	232.5	419.4	672.5	777.6	687.4	440.0	237.0
G82.0	685.4	600.2	379.8	204.3	395.0	648.3	749.3	659.5	412.9	205.0
G83.0	659.8	574.1	354.2	173.1	370.3	621.4	724.8	634.7	389.9	177.9
G84.0	635.6	551.4	332.3	147.0	347.8	598.3	699.4	611.3	366.8	150.5
G85.0	611.1	526.5	308.3	118.2	325.0	572.5	673.7	585.3	343.4	122.8
G86.0	588.2	504.9	288.1	94.0	304.2	550.5	649.4	563.0	322.0	97.1
G87.0	566.8	482.9	268.1	69.9	285.2	528.1	625.7	540.5	301.6	72.7
G88.0	542.9	461.0	247.7	46.1	264.4	505.1	601.3	517.2	281.1	48.5
G89.0	522.3	440.2	229.6	26.2	247.3	483.8	579.3	495.3	263.0	28.3
G90.0	501.2	420.6	211.5	17.1	229.7	463.6	554.5	473.1	243.5	13.4
G91.0	479.6	399.1	193.6	15.6	211.9	441.3	533.8	453.4	227.1	12.6
G92.0	459.5	380.6	177.7	14.3	196.4	422.1	512.2	433.2	211.4	12.2
G93.0	438.5	359.9	160.6	13.1	181.8	401.1	490.4	412.9	196.7	11.9
G94.0	418.8	342.1	147.0	12.2	167.9	384.1	470.8	395.1	183.6	11.8
G95.0	400.4	325.0	134.6	11.4	154.7	367.3	453.0	377.8	172.1	12.1
G96.0	380.0	306.2	122.9	10.9	139.9	350.3	433.0	360.4	159.5	12.4
G97.0	363.1	290.9	112.8	10.9	128.8	334.4	416.2	344.3	148.5	12.9
G98.0	346.3	277.1	104.4	11.1	119.1	319.6	397.6	328.0	137.6	13.3
G99.0	330.3	261.9	95.0	11.6	110.2	303.1	381.7	312.9	128.2	13.7
G100.0	315.4	249.3	86.7	12.0	102.1	288.7	365.6	298.8	119.0	14.0
G101.0	300.4	235.2	78.6	12.5	94.3	272.9	348.7	283.3	109.5	14.4
G102.0	286.5	222.8	70.7	12.9	86.4	259.2	334.0	269.8	101.5	14.9
G103.0	273.5	211.4	64.1	13.4	74.7	245.0	319.3	257.1	93.8	15.3
G104.0	259.0	198.8	57.5	13.9	70.9	230.6	304.0	242.9	86.6	15.8
G105.0	246.1	187.9	52.0	14.2	63.7	218.8	290.0	231.0	79.4	16.3
G106.0	233.2	176.0	46.2	14.7	56.9	205.8	275.9	217.9	72.5	16.7
G107.0	220.9	166.1	42.6	15.2	53.3	194.9	262.4	206.6	66.0	17.1
G108.0	209.7	156.2	38.0	15.6	49.2	184.0	250.1	195.1	59.4	17.5
G109.0	197.2	146.2	33.6	16.1	43.0	173.1	236.2	183.7	53.4	18.0
G110.0	186.8	136.9	29.4	16.6	39.1	163.1	224.1	173.6	48.3	18.4

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	176.2	128.2	26.1	17.0	34.7	153.9	212.8	163.3	43.1	18.8
G112.0	165.7	119.3	23.2	17.4	30.9	143.9	200.4	153.3	39.1	19.2
G113.0	156.0	111.4	21.5	17.7	28.0	134.4	189.6	143.6	35.5	19.7
G114.0	146.2	102.6	21.3	18.1	25.7	120.6	178.6	129.9	32.1	20.1
G115.0	137.0	95.3	21.5	18.6	25.1	112.0	169.1	120.8	29.7	20.5
G116.0	128.6	86.3	21.9	19.1	24.9	103.6	159.4	112.6	28.7	21.1
G117.0	119.1	77.6	22.1	19.5	25.3	95.1	149.1	103.5	28.5	21.3
G118.0	110.9	71.0	22.6	20.0	25.4	88.1	140.1	96.2	28.6	21.6
G119.0	102.8	64.8	22.9	20.4	25.7	82.4	131.1	89.3	28.7	22.2
G120.0	94.9	58.3	23.4	20.9	26.1	75.8	122.0	82.7	29.0	22.7
G121.0	87.4	53.2	23.7	21.3	26.3	70.4	113.6	76.5	29.1	23.1
G122.0	80.5	47.7	24.0	21.9	26.5	64.4	104.8	69.9	29.2	23.6
G123.0	73.7	43.0	24.4	22.4	26.7	58.6	97.1	64.2	29.4	24.1
G124.0	67.3	39.6	24.7	22.8	26.9	53.3	90.1	58.4	29.5	24.5
G125.0	60.5	35.6	25.1	23.3	27.2	48.1	82.7	53.1	29.7	25.0
G126.0	55.0	32.8	25.3	23.9	27.4	42.8	76.0	48.4	29.9	25.6
G127.0	49.8	31.8	25.6	24.3	27.6	40.4	68.8	43.9	30.1	26.1
G128.0	44.7	31.7	25.9	24.7	27.8	36.8	62.9	41.2	30.3	26.5
G129.0	40.6	31.8	26.1	25.0	28.0	35.5	57.2	38.7	30.4	26.9
G130.0	36.9	31.8	26.5	25.5	28.3	34.8	51.5	37.6	30.6	27.3
G131.0	35.7	31.9	26.7	25.8	28.5	34.9	47.3	37.4	30.7	27.7
G132.0	35.6	32.0	27.0	26.2	28.7	35.0	43.1	37.3	30.9	28.1
G133.0	35.6	32.2	27.3	26.6	29.0	34.8	41.6	37.3	31.1	28.5
G134.0	35.7	32.3	27.5	26.9	29.2	34.5	40.9	37.4	31.2	28.8
G135.0	35.7	32.5	27.9	27.3	29.4	34.9	40.7	37.5	31.4	29.2
G136.0	35.8	32.7	28.1	27.7	29.6	35.0	40.7	37.6	31.6	29.4
G137.0	35.9	32.9	28.5	27.9	29.9	35.0	40.7	37.6	31.7	29.9
G138.0	35.9	33.0	28.6	28.4	29.9	35.6	40.6	37.6	32.0	30.2
G139.0	35.9	33.2	29.1	28.6	30.2	35.7	40.5	37.7	32.2	30.5
G140.0	35.9	33.4	29.3	29.0	30.3	35.7	40.5	37.8	32.3	30.9
G141.0	36.0	33.5	29.6	29.4	30.4	35.4	40.5	37.9	32.5	31.2
G142.0	36.0	33.7	29.9	29.7	30.6	35.8	40.4	37.9	32.7	31.7
G143.0	36.1	33.8	30.1	30.1	30.8	35.7	40.2	38.0	32.9	32.1
G144.0	36.1	34.0	30.5	30.4	31.1	36.1	40.2	38.0	33.1	32.4
G145.0	36.2	34.1	30.8	30.8	31.2	36.4	40.2	38.2	33.3	32.8
G146.0	36.2	34.2	31.1	31.2	31.5	36.4	40.1	38.1	33.6	33.2
G147.0	36.2	34.3	31.4	31.5	31.7	36.5	40.1	38.2	34.0	33.5

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	36.3	34.5	31.8	31.8	32.0	36.7	40.1	38.1	34.2	33.9
G149.0	36.3	34.5	32.1	32.3	32.4	36.6	40.0	38.0	34.6	34.2
G150.0	36.3	34.7	32.3	32.8	32.9	36.7	39.9	38.0	34.8	34.7
G151.0	36.3	34.8	32.7	33.2	33.3	36.7	39.8	38.0	35.2	35.0
G152.0	36.3	34.9	32.9	33.7	33.7	36.7	39.7	38.1	35.4	35.4
G153.0	36.3	35.0	33.2	34.0	34.0	36.7	39.8	38.0	35.7	35.8
G154.0	36.4	35.1	33.6	34.5	34.3	36.6	39.6	37.9	36.0	36.1
G155.0	36.4	35.2	33.9	34.9	34.6	36.5	39.6	37.9	36.3	36.5
G156.0	36.4	35.4	34.1	35.4	35.0	36.5	39.5	37.7	36.6	36.8
G157.0	36.4	35.5	34.4	35.8	35.3	36.5	39.5	37.7	36.7	37.1
G158.0	36.4	35.7	34.7	36.1	35.7	36.4	39.4	37.7	37.0	37.5
G159.0	36.5	35.8	35.0	36.5	36.0	36.4	39.3	37.7	37.3	37.8
G160.0	36.6	35.9	35.2	36.9	36.2	36.5	39.4	37.8	37.5	38.0
G161.0	36.6	36.1	35.5	37.2	36.4	36.6	39.3	37.9	37.6	38.3
G162.0	36.7	36.3	35.8	37.6	36.4	36.9	39.4	38.1	37.8	38.7
G163.0	36.8	36.4	36.0	37.8	36.6	37.0	39.3	38.2	37.8	38.9
G164.0	37.0	36.6	36.3	38.2	37.0	37.2	39.5	38.4	37.9	39.1
G165.0	37.1	36.7	36.6	38.5	37.2	37.5	39.5	38.5	38.2	39.4
G166.0	37.1	36.8	37.0	38.8	37.4	37.7	39.5	38.7	38.3	39.5
G167.0	37.2	37.1	37.4	39.0	37.7	37.9	39.6	38.9	38.5	39.7
G168.0	37.4	37.3	37.9	39.4	37.9	37.9	39.7	39.0	38.7	39.9
G169.0	37.6	37.4	38.3	39.8	38.3	38.0	40.0	39.3	39.0	40.1
G170.0	37.8	37.6	39.0	40.1	38.7	38.1	40.1	39.4	39.2	40.5
G171.0	37.9	37.9	39.4	40.3	38.9	38.2	40.1	39.5	39.4	40.7
G172.0	38.1	38.2	40.0	40.6	39.1	38.3	40.3	39.6	39.6	40.8
G173.0	38.5	38.9	40.5	40.8	39.4	38.4	40.3	39.5	39.7	41.2
G174.0	38.9	39.5	40.9	41.0	39.6	38.4	40.7	39.4	39.9	41.3
G175.0	39.5	40.3	41.3	41.3	39.9	38.8	40.8	39.6	40.1	41.5
G176.0	40.0	40.9	41.4	41.5	40.3	39.0	40.7	39.6	40.4	41.5
G177.0	40.5	41.2	41.8	41.7	40.6	39.4	41.0	40.0	40.7	41.8
G178.0	41.3	41.5	41.9	41.9	41.0	39.9	40.7	40.4	41.2	42.0
G179.0	41.5	41.4	41.9	41.9	41.4	40.3	40.5	41.0	41.5	42.1
G180.0	41.3	41.5	41.8	42.1	41.8	41.0	41.5	41.4	41.7	42.1

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	2578.9	2577.8	2581.9							
G1.0	2577.6	2576.0	2580.0							
G2.0	2575.9	2573.3	2577.7							
G3.0	2572.1	2569.7	2573.9							
G4.0	2567.4	2565.3	2569.7							
G5.0	2562.4	2559.9	2564.6							
G6.0	2555.0	2553.3	2558.3							
G7.0	2547.8	2545.9	2551.7							
G8.0	2538.6	2537.7	2544.6							
G9.0	2528.9	2528.8	2535.3							
G10.0	2518.6	2519.1	2526.5							
G11.0	2506.6	2508.1	2516.1							
G12.0	2494.9	2496.9	2505.4							
G13.0	2480.9	2484.9	2494.2							
G14.0	2464.9	2470.7	2481.1							
G15.0	2450.1	2456.9	2468.5							
G16.0	2432.4	2441.1	2454.0							
G17.0	2415.1	2426.6	2440.4							
G18.0	2397.4	2409.8	2426.2							
G19.0	2377.2	2391.9	2408.9							
G20.0	2357.3	2374.8	2393.3							
G21.0	2336.8	2356.8	2376.1							
G22.0	2313.5	2336.2	2357.8							
G23.0	2291.5	2316.2	2340.7							
G24.0	2266.7	2294.6	2320.7							
G25.0	2242.3	2274.1	2300.9							
G26.0	2218.6	2253.6	2281.6							
G27.0	2191.4	2229.1	2260.2							
G28.0	2165.0	2206.5	2239.0							
G29.0	2139.0	2183.4	2218.2							
G30.0	2110.0	2157.6	2195.1							
G31.0	2081.0	2133.7	2172.1							
G32.0	2050.9	2106.0	2147.6							
G33.0	2021.1	2079.9	2123.8							
G34.0	1990.6	2053.5	2100.3							
G35.0	1958.0	2025.2	2073.1							
G36.0	1926.5	1998.9	2048.6							

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	1892.8	1968.5	2022.4							
G38.0	1861.8	1941.2	1994.6							
G39.0	1828.9	1912.1	1967.7							
G40.0	1794.3	1881.6	1938.6							
G41.0	1759.9	1853.2	1910.9							
G42.0	1727.4	1822.8	1884.2							
G43.0	1689.4	1791.1	1852.3							
G44.0	1655.6	1759.9	1824.5							
G45.0	1619.0	1727.1	1795.1							
G46.0	1583.1	1696.8	1763.7							
G47.0	1548.9	1664.7	1733.8							
G48.0	1509.9	1629.6	1702.3							
G49.0	1475.4	1598.5	1671.7							
G50.0	1439.0	1565.8	1642.7							
G51.0	1401.0	1532.0	1609.6							
G52.0	1364.4	1501.1	1579.7							
G53.0	1326.1	1465.5	1548.9							
G54.0	1289.5	1434.7	1514.9							
G55.0	1254.2	1402.2	1485.2							
G56.0	1215.8	1368.0	1451.1							
G57.0	1179.2	1335.6	1421.3							
G58.0	1144.0	1304.8	1389.8							
G59.0	1104.2	1269.4	1355.7							
G60.0	1069.5	1238.6	1324.4							
G61.0	1029.8	1203.5	1292.1							
G62.0	995.4	1172.7	1261.4							
G63.0	959.3	1142.2	1231.5							
G64.0	922.3	1107.6	1197.9							
G65.0	887.0	1077.5	1168.7							
G66.0	854.4	1046.6	1138.2							
G67.0	818.7	1014.2	1106.5							
G68.0	785.3	984.9	1076.5							
G69.0	750.6	952.1	1045.3							
G70.0	717.9	923.2	1015.7							
G71.0	687.2	893.6	986.4							
G72.0	654.0	863.0	956.0							
G73.0	623.2	834.1	927.7							

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	592.5	807.0	900.8							
G75.0	561.6	776.9	870.4							
G76.0	532.5	750.5	844.1							
G77.0	503.1	721.1	814.7							
G78.0	475.3	695.9	789.1							
G79.0	449.6	669.9	763.1							
G80.0	421.0	643.0	734.8							
G81.0	396.7	618.0	710.4							
G82.0	370.2	592.2	685.4							
G83.0	347.4	568.3	659.8							
G84.0	324.8	546.0	635.6							
G85.0	301.9	520.8	611.1							
G86.0	280.9	499.5	588.2							
G87.0	261.6	477.8	566.8							
G88.0	240.4	455.9	542.9							
G89.0	223.2	435.1	522.3							
G90.0	204.6	414.1	501.2							
G91.0	187.8	394.6	479.6							
G92.0	172.3	376.1	459.5							
G93.0	155.2	355.6	438.5							
G94.0	142.1	338.1	418.8							
G95.0	131.4	320.5	400.4							
G96.0	120.6	302.8	380.0							
G97.0	111.7	287.6	363.1							
G98.0	102.3	272.7	346.3							
G99.0	94.2	259.1	330.3							
G100.0	86.6	246.7	315.4							
G101.0	77.7	232.7	300.4							
G102.0	69.9	220.5	286.5							
G103.0	63.2	209.1	273.5							
G104.0	56.8	196.6	259.0							
G105.0	51.0	185.7	246.1							
G106.0	45.6	173.7	233.2							
G107.0	41.7	164.1	220.9							
G108.0	37.8	154.3	209.7							
G109.0	33.5	144.3	197.2							
G110.0	29.9	135.5	186.8							

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	26.7	127.1	176.2							
G112.0	23.9	118.0	165.7							
G113.0	22.8	109.8	156.0							
G114.0	22.8	101.6	146.2							
G115.0	23.0	93.6	137.0							
G116.0	23.3	84.3	128.6							
G117.0	23.7	76.4	119.1							
G118.0	24.1	70.1	110.9							
G119.0	24.3	63.7	102.8							
G120.0	24.8	57.4	94.9							
G121.0	25.0	52.5	87.4							
G122.0	25.2	47.2	80.5							
G123.0	25.6	42.8	73.7							
G124.0	26.0	39.2	67.3							
G125.0	26.2	35.4	60.5							
G126.0	26.5	33.2	55.0							
G127.0	26.9	32.7	49.8							
G128.0	27.2	32.6	44.7							
G129.0	27.5	32.7	40.6							
G130.0	27.8	32.7	36.9							
G131.0	28.1	32.9	35.7							
G132.0	28.3	33.2	35.6							
G133.0	28.5	33.2	35.6							
G134.0	28.7	33.4	35.7							
G135.0	29.1	33.6	35.7							
G136.0	29.3	33.9	35.8							
G137.0	29.5	33.9	35.9							
G138.0	29.9	34.1	35.9							
G139.0	30.2	34.2	35.9							
G140.0	30.5	34.5	35.9							
G141.0	30.8	34.5	36.0							
G142.0	31.1	34.5	36.0							
G143.0	31.4	34.6	36.1							
G144.0	31.7	34.7	36.1							
G145.0	31.9	34.8	36.2							
G146.0	32.3	35.0	36.2							
G147.0	32.5	35.1	36.2							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	32.9	35.2	36.3							
G149.0	33.2	35.4	36.3							
G150.0	33.5	35.6	36.3							
G151.0	33.9	35.6	36.3							
G152.0	34.1	35.7	36.3							
G153.0	34.3	35.8	36.3							
G154.0	34.6	35.8	36.4							
G155.0	34.9	35.9	36.4							
G156.0	35.0	36.0	36.4							
G157.0	35.4	36.2	36.4							
G158.0	35.6	36.3	36.4							
G159.0	35.8	36.4	36.5							
G160.0	36.1	36.6	36.6							
G161.0	36.4	36.7	36.6							
G162.0	36.5	36.8	36.7							
G163.0	36.7	37.0	36.8							
G164.0	37.0	37.1	37.0							
G165.0	37.3	37.2	37.1							
G166.0	37.6	37.3	37.1							
G167.0	38.0	37.5	37.2							
G168.0	38.4	37.7	37.4							
G169.0	38.9	37.8	37.6							
G170.0	39.5	37.9	37.8							
G171.0	39.9	38.3	37.9							
G172.0	40.4	38.7	38.1							
G173.0	41.0	39.3	38.5							
G174.0	41.2	39.9	38.9							
G175.0	41.5	40.6	39.5							
G176.0	41.7	41.0	40.0							
G177.0	41.9	41.4	40.5							
G178.0	42.0	41.5	41.3							
G179.0	42.0	41.3	41.5							
G180.0	41.8	41.0	41.3							

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:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	23816.90
L 0-180(75) av	29211.05
L 0-180(85) av	61425.50
L 90-270(65) av	15793.71
L 90-270(75) av	13852.99
L 90-270(85) av	11519.61
L 45(65) av	19972.32
L 45(75) av	22385.13
L 45(85) av	41636.33

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