

Report No.:

Test Time: 2023-08-02 08:08

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps:

Luminous Length (mm): 1200

Luminous Height (mm): 40

Current: 0.375 A

Power Factor: 0.993

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 100

Voltage: 119.8 V

Power: 44.63 W

Photometric Results

CIE Class: Direct

Measurement Flux: 6065.7 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 208.8, 161.4, 188.4, 187.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.5, 105.6, 114.9, 114.8

Luminous Efficacy (lm/w): 135.91

Max. Intensity: 1840.64 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 6065.7 lm

Efficiency: 100%

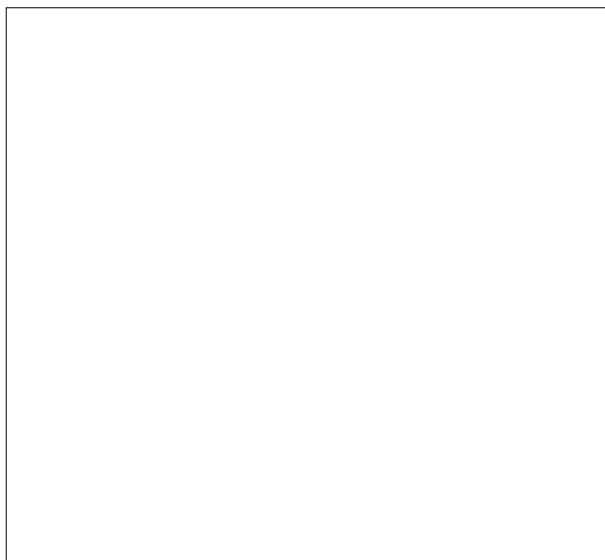
Upward Ratio: 7%

C0r0 Intensity: 1840.04 cd

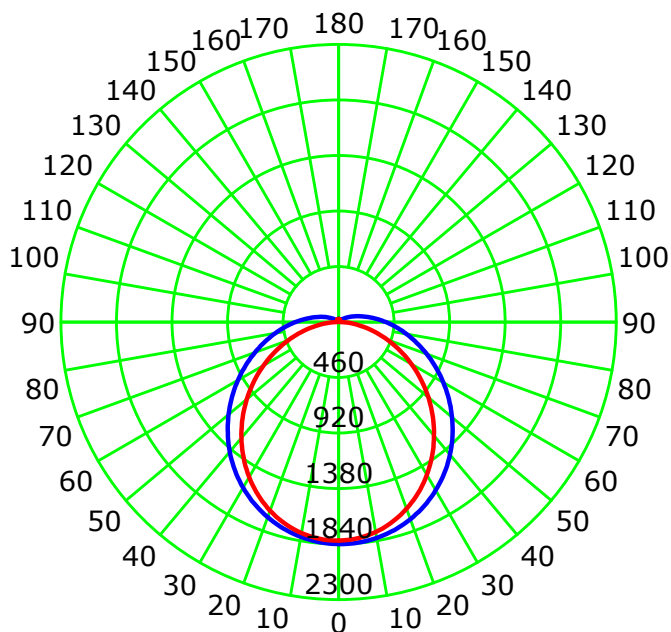
Pos of Max. Intensity: H0 V1

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

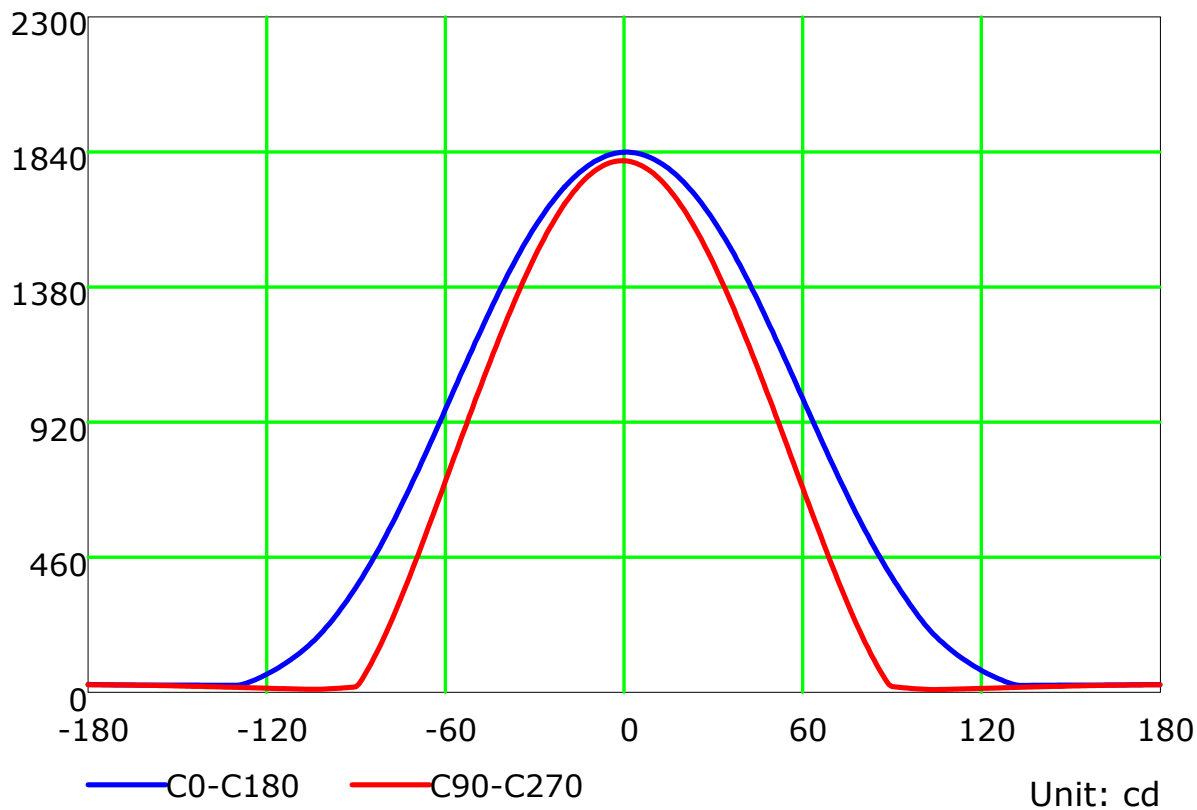
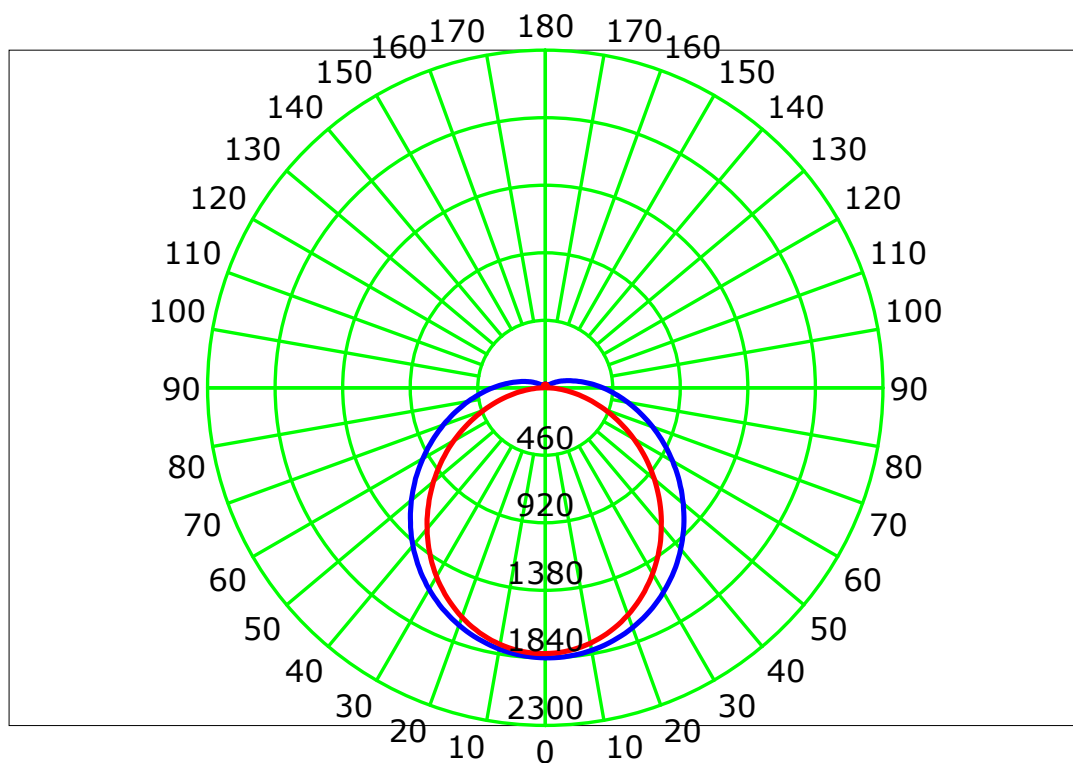
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

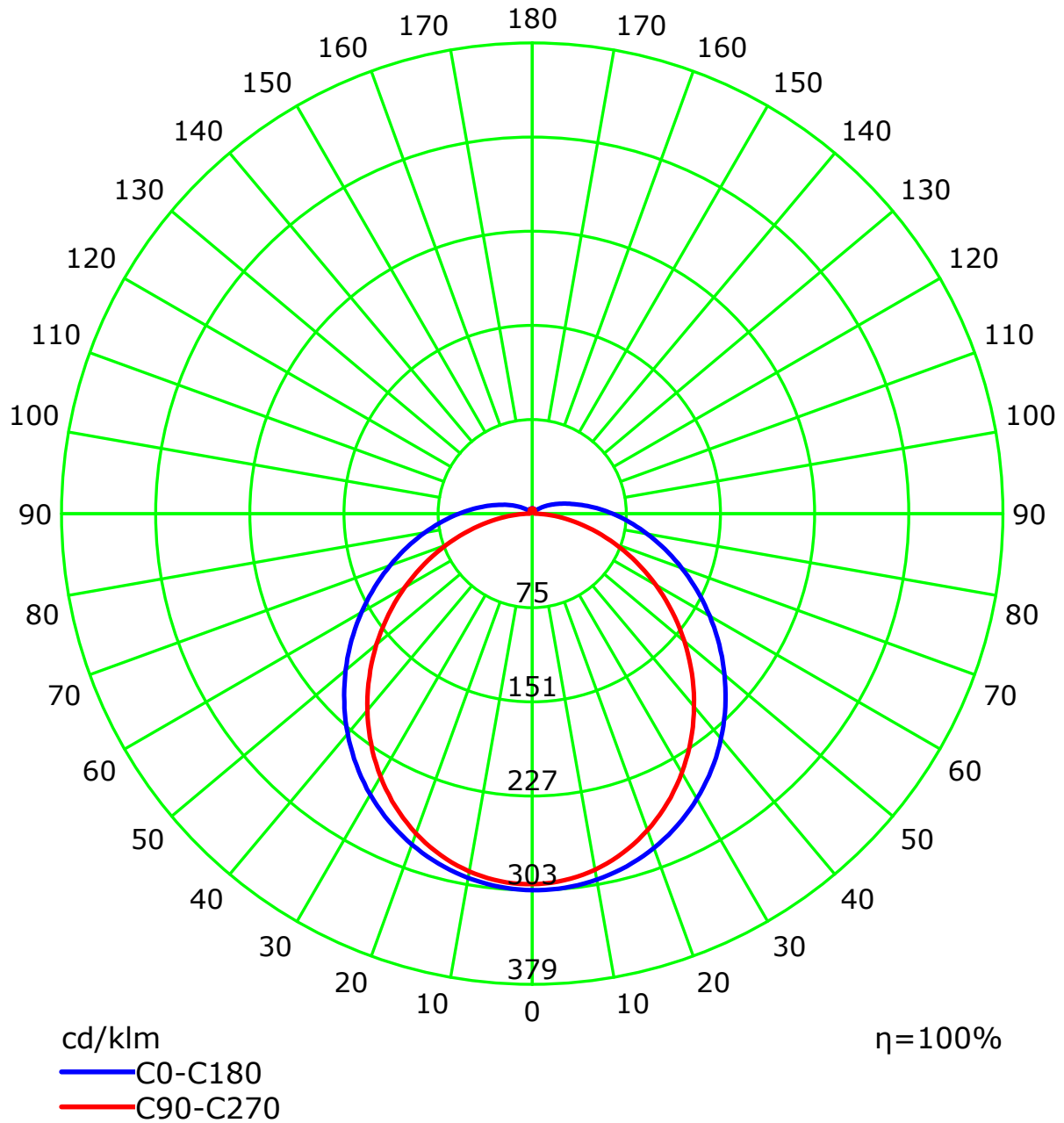
Luminous Intensity Distribution Curve



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)



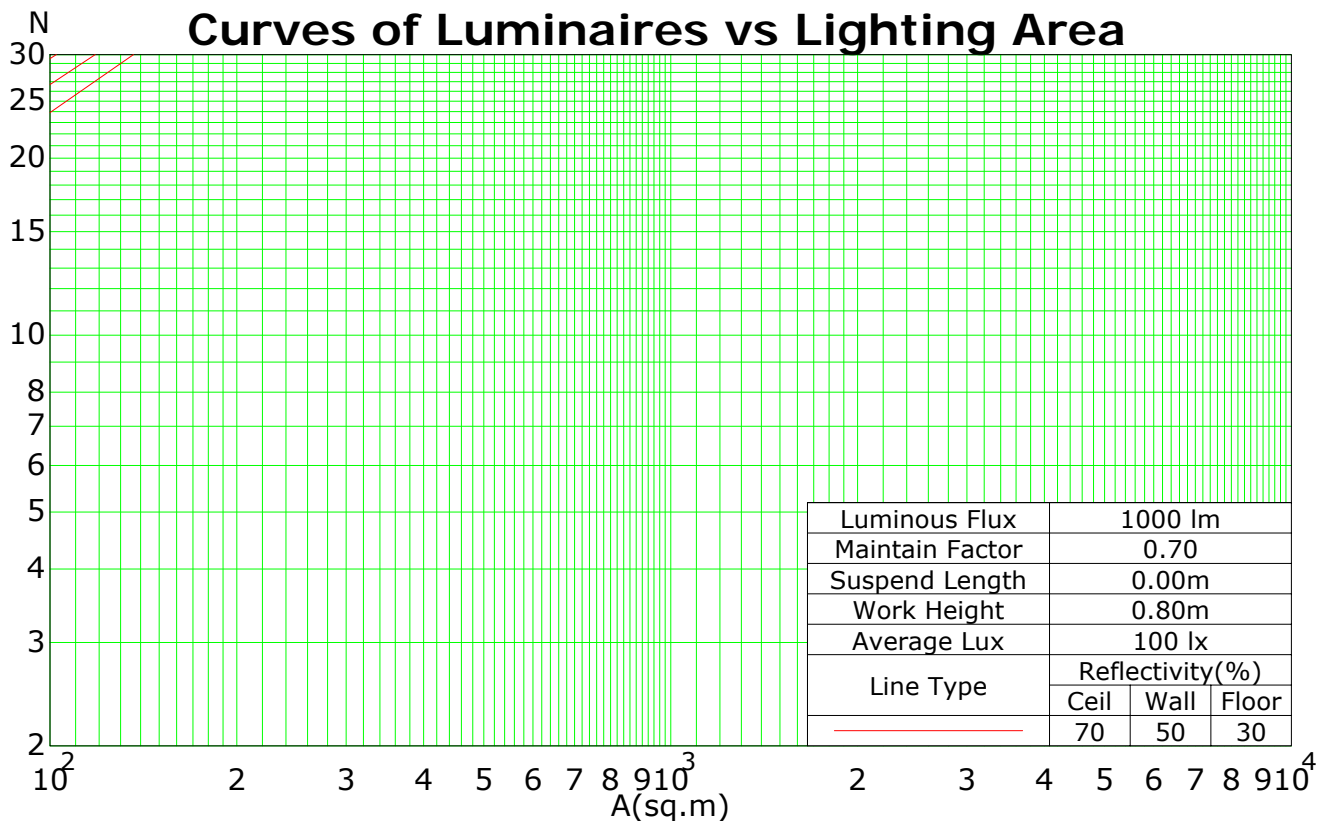
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	0.81	0.82	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	0.66	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	0.42	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	0.49	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	0.31	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

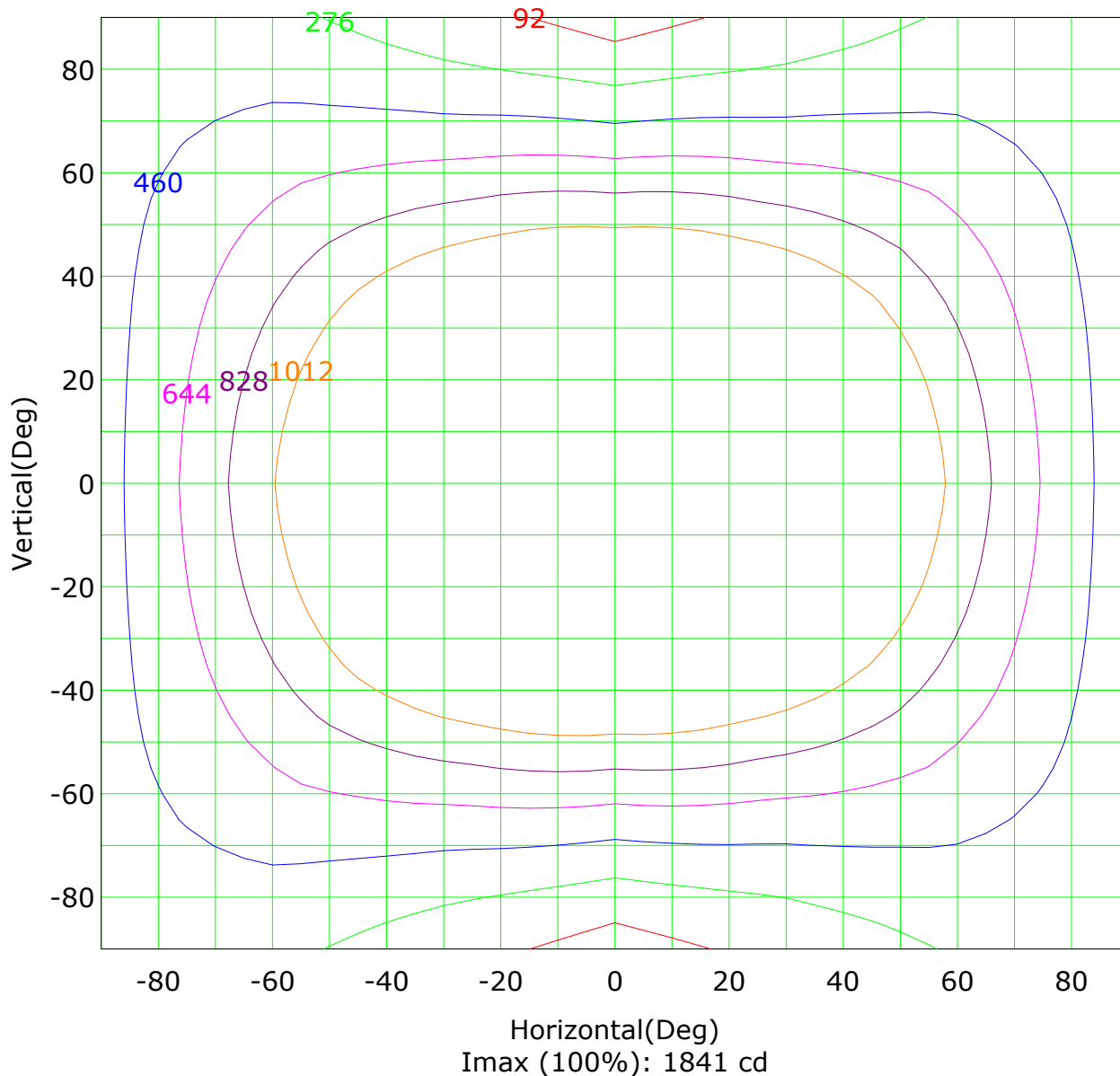
Spacing Criteria (0-180): 1.29
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.36



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)

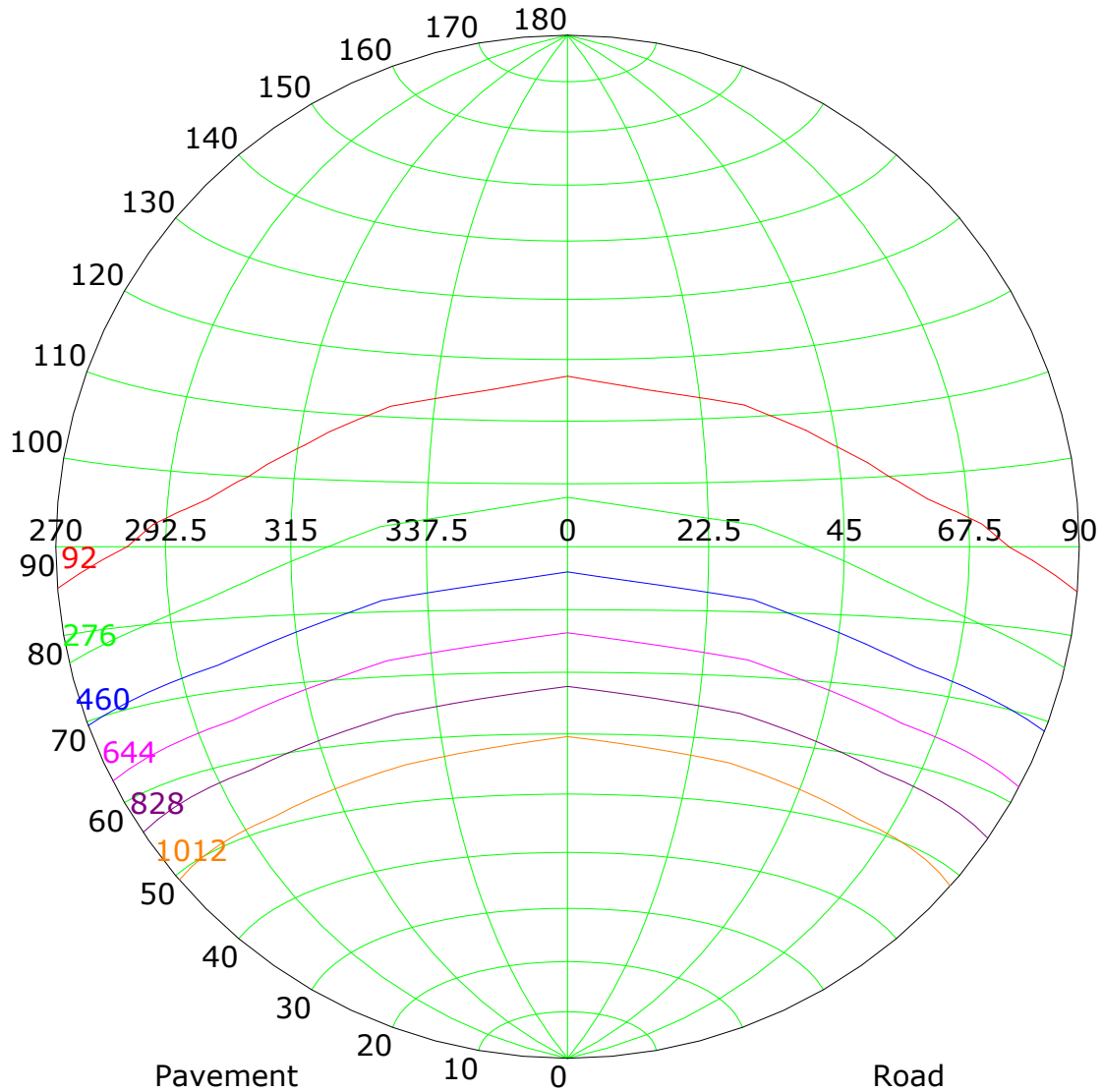


(5%): 92 cd	(15%): 276 cd
(25%): 460 cd	(35%): 644 cd
(45%): 828 cd	(55%): 1012 cd

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%): 1841 cd

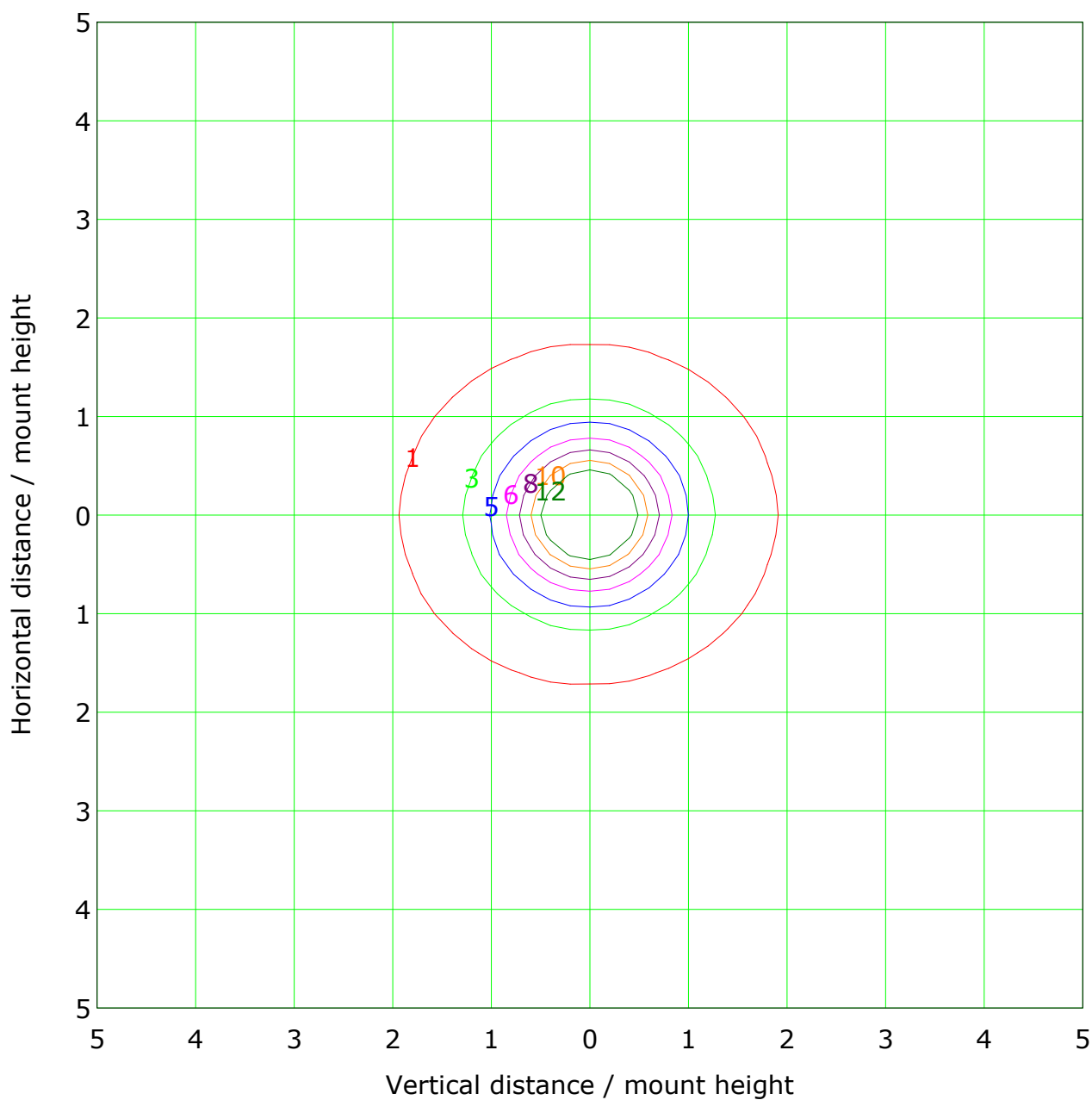
(5%): 92 cd
(25%): 460 cd
(45%): 828 cd

(15%): 276 cd
(35%): 644 cd
(55%): 1012 cd

CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 64.789 cd/klm

IES: Non-cut-off
Max.At80: 94.011 cd/klm
Max.80-90: 94.011 cd/klm

IsoLux Plot



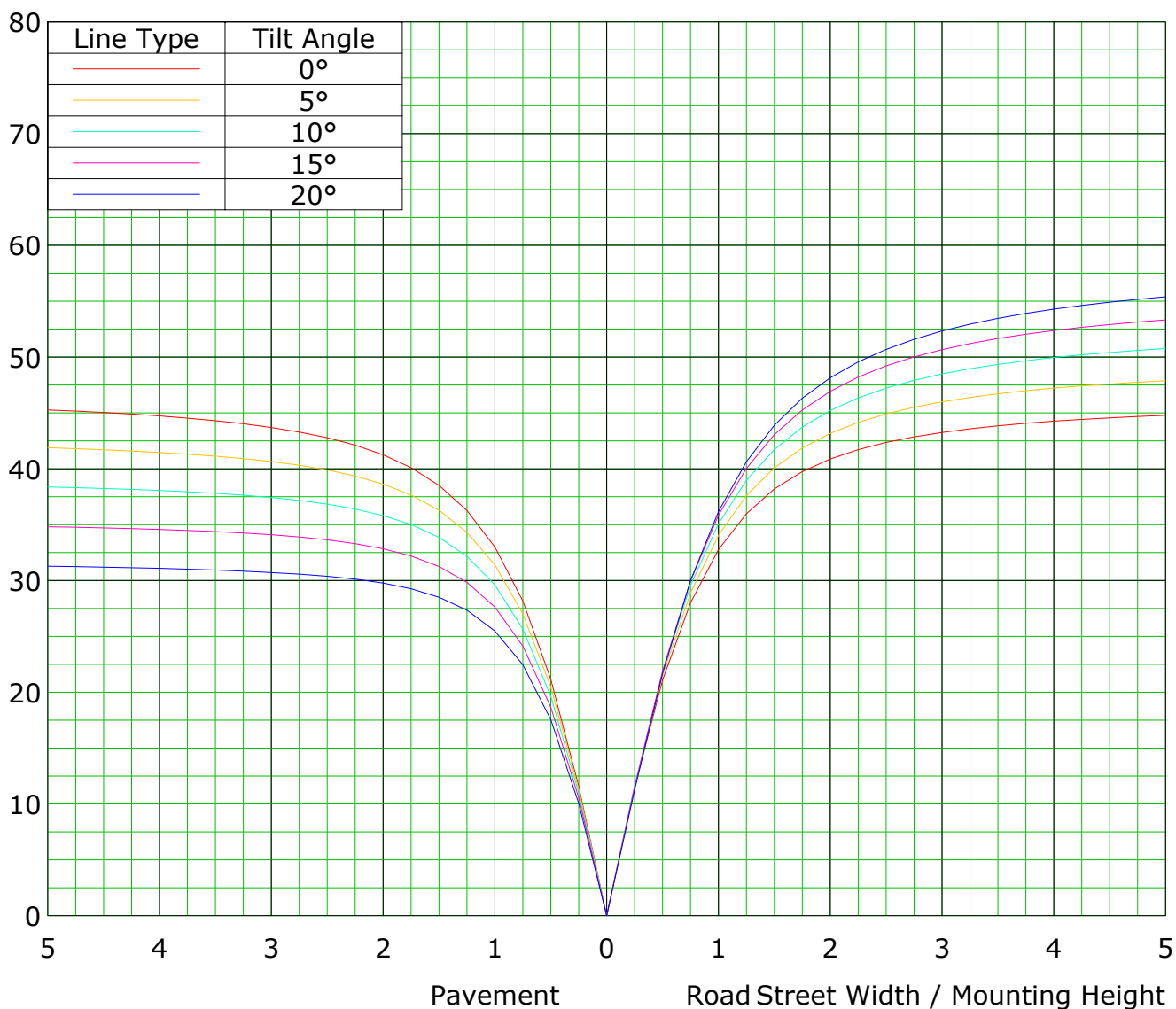
Mounting Height: 10.0m		Max Lux(100%): 18.4 lx	
— (5%):	0.9 lx	— (15%):	2.8 lx
— (25%):	4.6 lx	— (35%):	6.4 lx
— (45%):	8.3 lx	— (55%):	10.1 lx
— (65%):	12.0 lx		

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(%)

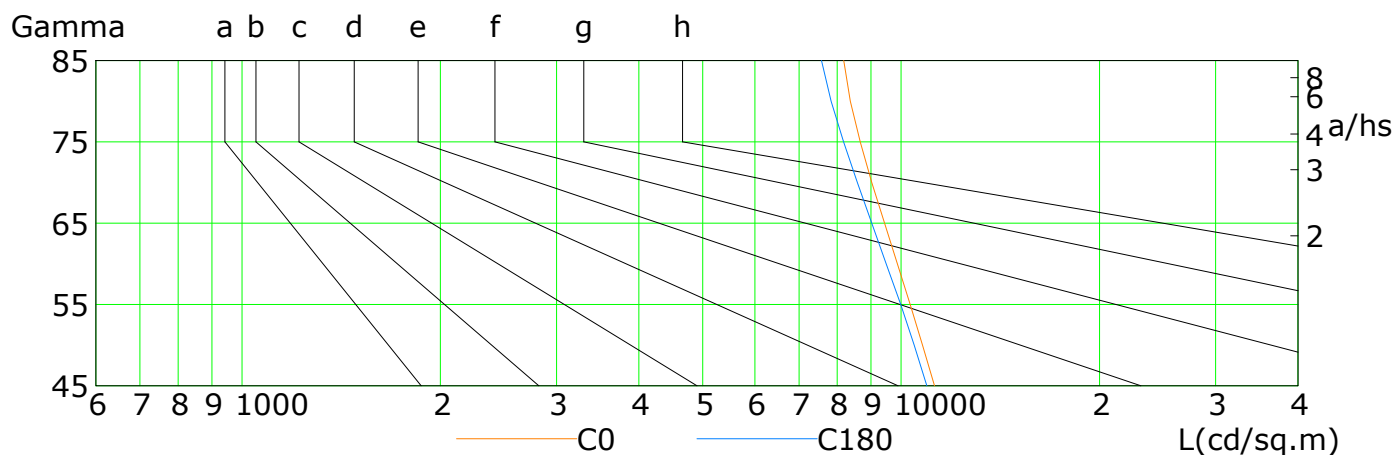
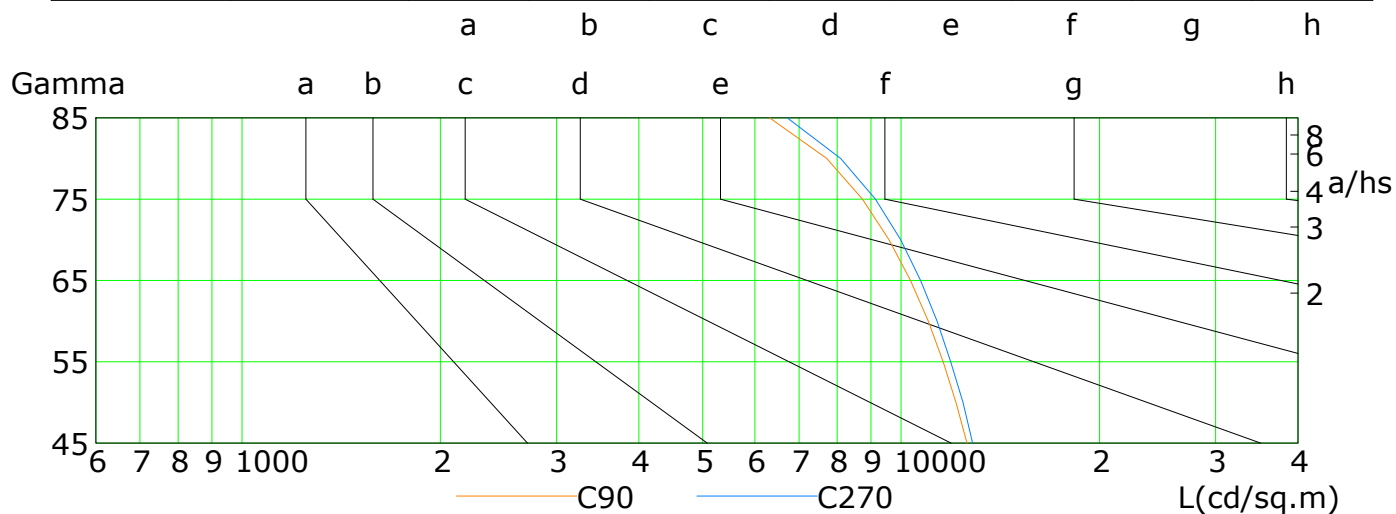


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	11239	10775	10319	9871	9437	9026	8670	8372	8181
C90	12585	12111	11581	10997	10335	9585	8736	7714	6315
C180	10938	10466	9983	9491	9026	8581	8180	7829	7570
C270	12838	12410	11889	11335	10704	9985	9141	8097	6718

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

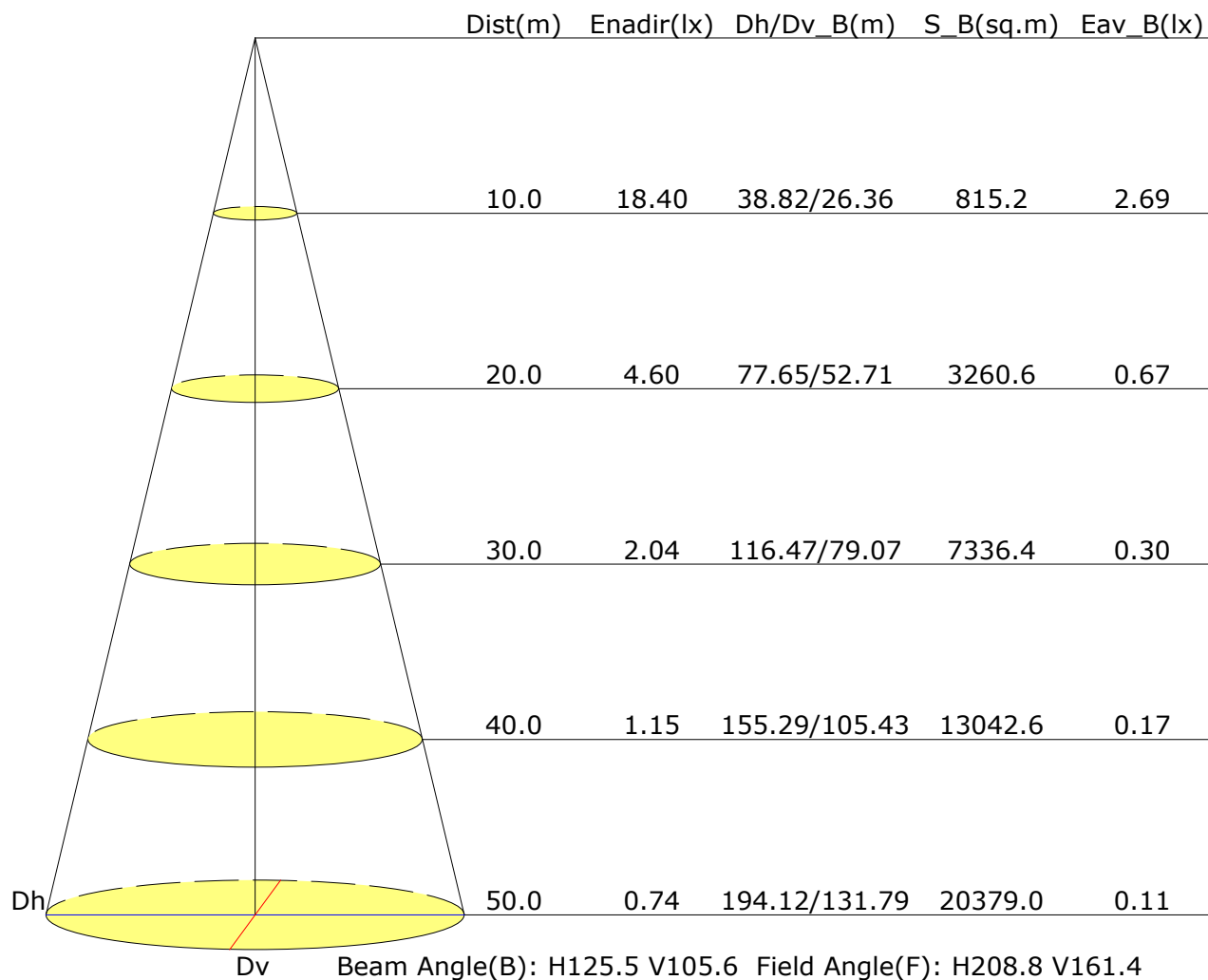
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

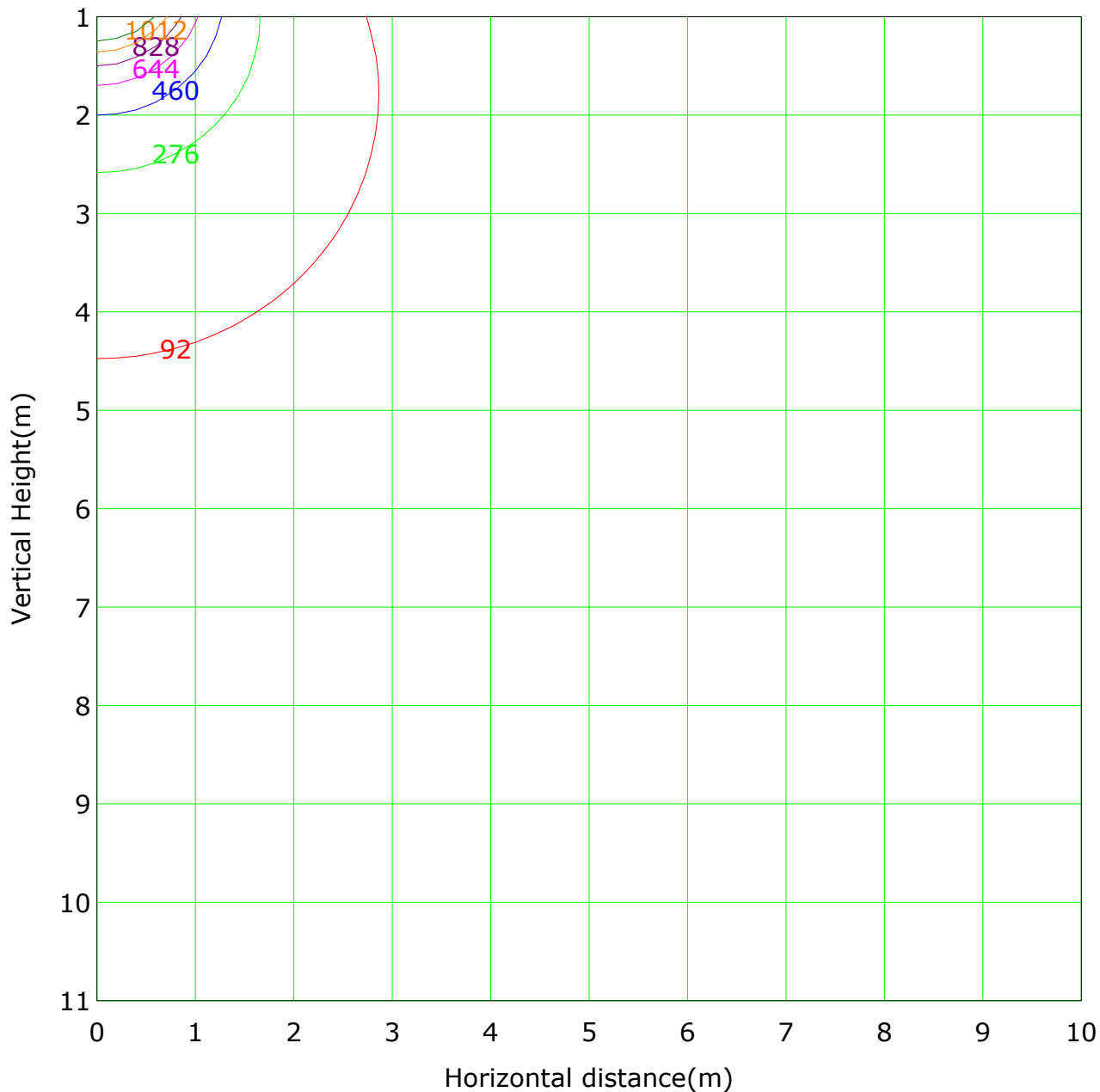
Illuminance at a Distance



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: 1840.0 lx

(5%): 92.0 lx	(15%): 276.0 lx
(25%): 460.0 lx	(35%): 644.0 lx
(45%): 828.0 lx	(55%): 1012.0 lx
(65%): 1196.0 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

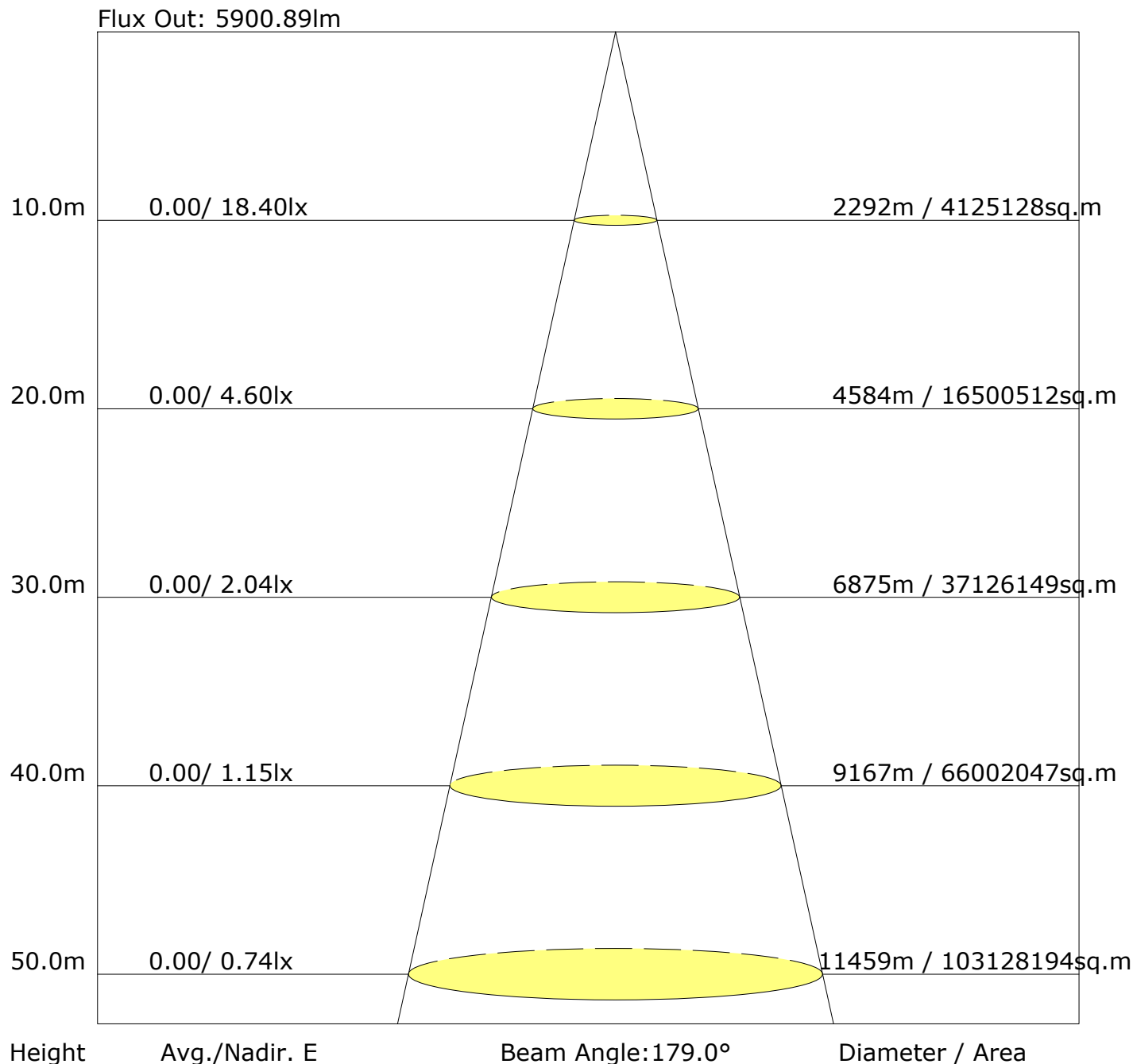
Unit: lm

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)	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	20.1
20.1	72.6	2.8	3.1	3.5	3.8	4.2	4.5	4.7	4.9	5.0	5.0	5.0	4.9	4.7	4.4	4.1	3.8	3.4	3.1	2.7
72.6	144.1	4.4	5.3	6.3	7.4	8.3	9.2	10.0	10.6	10.9	18.7	18.7	18.0	16.8	15.0	13.2	11.2	9.1	7.1	5.4
144.1	230.4	5.6	7.4	9.4	11.5	13.5	15.3	16.8	18.0	18.7	27.6	27.6	26.6	24.7	21.7	18.5	15.1	11.6	8.5	5.9
230.4	322.2	6.1	8.8	12.0	15.5	19.0	22.2	24.7	26.6	27.7	36.8	36.8	35.4	32.8	28.2	23.7	18.7	13.8	9.3	5.7
322.2	410.3	6.0	9.7	14.3	19.3	24.3	28.9	32.8	35.4	37.0	44.9	44.9	43.3	39.7	34.0	28.1	21.8	15.5	9.8	5.3
410.3	483.8	5.5	10.3	16.1	22.5	28.9	34.8	39.7	43.3	45.2	50.9	50.9	49.1	44.9	38.4	31.6	24.3	16.9	10.1	4.5
483.8	554.4	4.8	10.6	17.5	25.1	32.4	39.2	44.9	49.1	51.4	54.6	54.6	52.1	47.7	40.8	33.4	25.4	17.3	9.7	3.5
554.4	656.7	3.7	10.2	17.9	26.1	34.2	41.6	47.7	52.1	54.6	54.6	54.6	52.0	47.7	41.0	33.6	25.6	17.5	10.4	3.6
656.7	754.5	3.8	10.2	18.0	26.2	34.2	41.6	47.7	52.0	54.3	54.3	54.3	52.0	47.7	39.0	32.1	24.8	17.3	10.4	4.8
754.5	849.5	4.9	10.7	17.7	25.2	32.6	39.3	44.9	48.9	51.4	51.7	51.7	49.2	44.8	34.8	28.9	22.5	16.1	10.4	5.7
849.5	942.8	5.8	10.6	16.4	22.8	29.1	34.9	39.8	43.3	45.6	45.7	45.7	43.6	39.9	29.2	24.5	19.5	14.5	10.0	6.3
942.8	1042.0	6.3	10.1	14.7	19.6	24.6	29.1	32.9	35.7	37.5	37.6	37.6	35.9	33.1	22.6	19.4	15.9	12.4	9.1	6.4
1042.0	1142.0	6.4	9.2	12.4	15.9	19.3	22.5	25.1	27.1	28.4	28.4	28.4	27.2	25.2	22.6	19.4	15.9	12.4	9.1	6.4
1142.0	1240.0	5.9	7.7	9.7	11.8	13.9	15.7	17.3	18.5	19.3	19.3	19.3	18.5	17.3	15.8	13.9	11.9	9.8	7.7	6.0
1240.0	1340.0	4.7	5.7	6.7	7.7	8.7	9.6	10.4	11.0	11.4	11.4	11.4	11.0	10.4	9.6	8.7	7.7	6.7	5.7	4.7
1340.0	1451.8	3.0	3.3	3.7	4.1	4.4	4.7	5.0	5.2	5.3	5.3	5.3	5.2	5.0	4.7	4.4	4.1	3.7	3.3	3.0
1451.8	1567	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0
1567	1667	81.7	135.0	198.6	266.7	333.9	395.5	447.0	484.3	506.3	505.6	482.0	443.3	390.8	328.8	261.6	194.0	131.6	79.9	56.38
1667	5638	67.9	135.0	198.6	266.7	333.9	395.5	447.0	484.3	506.3	505.6	482.0	443.3	390.8	328.8	261.6	194.0	131.6	79.9	56.38

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	20.4	21.8	20.8	22.2	22.5	20.0	21.3	20.4	21.7	22.1
3H	22.3	23.5	22.7	23.9	24.3	21.4	22.7	21.9	23.1	23.5
4H	23.2	24.3	23.6	24.7	25.2	22.0	23.2	22.5	23.6	24.1
6H	24.0	25.1	24.5	25.5	26.0	22.5	23.6	23.0	24.0	24.5
8H	24.4	25.4	24.9	25.9	26.4	22.7	23.7	23.1	24.2	24.6
12H	24.8	25.8	25.2	26.2	26.7	22.8	23.8	23.3	24.2	24.7
X=4H Y=2H	21.0	22.2	21.5	22.6	23.0	20.6	21.8	21.1	22.2	22.7
3H	23.1	24.1	23.5	24.5	25.0	22.3	23.3	22.8	23.8	24.3
4H	24.1	25.0	24.6	25.5	26.0	23.0	24.0	23.6	24.4	25.0
6H	25.1	25.9	25.6	26.4	27.0	23.7	24.5	24.2	25.0	25.5
8H	25.6	26.4	26.1	26.9	27.4	23.9	24.6	24.4	25.2	25.7
12H	26.1	26.8	26.6	27.3	27.9	24.1	24.7	24.6	25.3	25.9
X=8H Y=4H	24.4	25.2	24.9	25.7	26.2	23.5	24.2	24.0	24.7	25.3
6H	25.6	26.2	26.2	26.8	27.4	24.3	24.9	24.8	25.4	26.1
8H	26.3	26.8	26.8	27.4	28.0	24.6	25.2	25.2	25.7	26.4
12H	26.9	27.4	27.5	28.0	28.6	24.9	25.4	25.5	26.0	26.6
X=12H Y=4H	24.4	25.1	25.0	25.6	26.2	23.6	24.2	24.1	24.8	25.4
6H	25.7	26.3	26.3	26.8	27.5	24.4	25.0	25.0	25.6	26.2
8H	26.4	26.9	27.0	27.5	28.1	24.9	25.3	25.4	25.9	26.6
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.1				
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 6066lm ($8\log(F/F_0) = 6.3$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

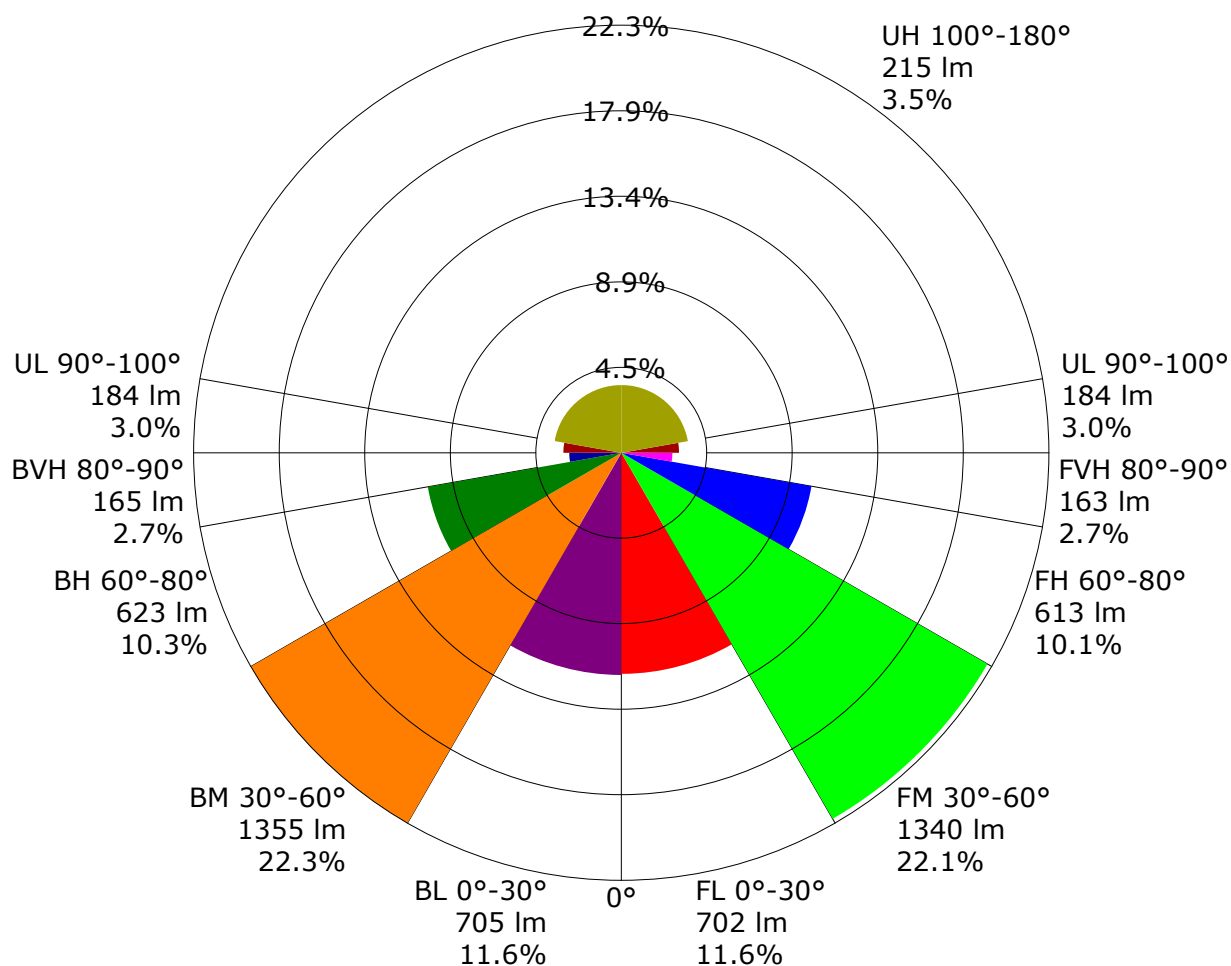
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2818	46.5
	FL (0°-30°)	702	11.6
	FM (30°-60°)	1340	22.1
	FH (60°-80°)	613	10.1
	FVH (80°-90°)	163	2.7
	BACK LIGHT	2849	47.0
	BL (0°-30°)	705	11.6
	BM (30°-60°)	1355	22.3
	BH (60°-80°)	623	10.3
	BVH (80°-90°)	165	2.7
	UP LIGHT	399	6.6
	UL (90°-100°)	184	3.0
	UH (100°-180°)	215	3.5
	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	0.74	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	0.82	
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:45W 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	0.75	0.66	0.54	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	0.65	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	0.27	0.22	
0.30	0.50	0.20	0.94	0.78	0.67	0.59	0.48	0.41	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	0.36	0.31	0.25	0.22	
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:45W 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	0.20	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:45W 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	1816.8	1.7	1.7	0.03	0.03
1.0-2.0	1816.2	5.2	7.0	0.09	0.11
2.0-3.0	1814.8	8.7	15.6	0.14	0.26
3.0-4.0	1812.8	12.1	27.8	0.20	0.46
4.0-5.0	1810.1	15.6	43.3	0.26	0.71
5.0-6.0	1806.8	19.0	62.3	0.31	1.03
6.0-7.0	1802.8	22.4	84.7	0.37	1.40
7.0-8.0	1798.0	25.7	110.4	0.42	1.82
8.0-9.0	1792.7	29.1	139.5	0.48	2.30
9.0-10.0	1786.8	32.3	171.8	0.53	2.83
10.0-11.0	1780.1	35.6	207.4	0.59	3.42
11.0-12.0	1772.6	38.8	246.2	0.64	4.06
12.0-13.0	1764.9	41.9	288.1	0.69	4.75
13.0-14.0	1756.2	45.0	333.0	0.74	5.49
14.0-15.0	1746.9	48.0	381.0	0.79	6.28
15.0-16.0	1736.8	50.9	431.9	0.84	7.12
16.0-17.0	1726.3	53.8	485.7	0.89	8.01
17.0-18.0	1715.5	56.6	542.2	0.93	8.94
18.0-19.0	1703.6	59.3	601.5	0.98	9.92
19.0-20.0	1691.2	61.9	663.4	1.02	10.94
20.0-21.0	1678.7	64.5	727.9	1.06	12.00
21.0-22.0	1665.0	66.9	794.8	1.10	13.10
22.0-23.0	1650.8	69.3	864.1	1.14	14.25
23.0-24.0	1636.1	71.5	935.6	1.18	15.42
24.0-25.0	1620.7	73.7	1009.3	1.22	16.64
25.0-26.0	1605.5	75.8	1085.1	1.25	17.89
26.0-27.0	1589.0	77.8	1162.9	1.28	19.17
27.0-28.0	1572.0	79.6	1242.5	1.31	20.48
28.0-29.0	1555.3	81.4	1323.8	1.34	21.83
29.0-30.0	1537.3	83.0	1406.9	1.37	23.19
30.0-31.0	1519.0	84.5	1491.4	1.39	24.59
31.0-32.0	1500.1	86.0	1577.4	1.42	26.00
32.0-33.0	1480.9	87.3	1664.6	1.44	27.44
33.0-34.0	1461.9	88.5	1753.1	1.46	28.90
34.0-35.0	1441.6	89.5	1842.6	1.48	30.38
35.0-36.0	1421.1	90.5	1933.1	1.49	31.87

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	1400.6	91.4	2024.5	1.51	33.38
37.0-38.0	1379.2	92.1	2116.6	1.52	34.89
38.0-39.0	1357.9	92.7	2209.3	1.53	36.42
39.0-40.0	1335.8	93.2	2302.4	1.54	37.96
40.0-41.0	1313.4	93.5	2396.0	1.54	39.50
41.0-42.0	1291.8	93.9	2489.8	1.55	41.05
42.0-43.0	1268.8	94.0	2583.8	1.55	42.60
43.0-44.0	1245.6	94.0	2677.9	1.55	44.15
44.0-45.0	1222.5	94.0	2771.8	1.55	45.70
45.0-46.0	1198.7	93.8	2865.6	1.55	47.24
46.0-47.0	1175.2	93.5	2959.1	1.54	48.78
47.0-48.0	1150.9	93.1	3052.1	1.53	50.32
48.0-49.0	1126.6	92.5	3144.7	1.53	51.84
49.0-50.0	1103.1	92.0	3236.6	1.52	53.36
50.0-51.0	1078.5	91.3	3327.9	1.50	54.86
51.0-52.0	1053.8	90.4	3418.3	1.49	56.36
52.0-53.0	1029.5	89.6	3507.9	1.48	57.83
53.0-54.0	1004.5	88.5	3596.5	1.46	59.29
54.0-55.0	980.2	87.5	3684.0	1.44	60.73
55.0-56.0	955.3	86.3	3770.3	1.42	62.16
56.0-57.0	930.3	85.1	3855.4	1.40	63.56
57.0-58.0	906.2	83.8	3939.2	1.38	64.94
58.0-59.0	881.0	82.4	4021.5	1.36	66.30
59.0-60.0	855.9	80.9	4102.4	1.33	67.63
60.0-61.0	831.0	79.3	4181.7	1.31	68.94
61.0-62.0	806.1	77.7	4259.4	1.28	70.22
62.0-63.0	782.3	76.1	4335.5	1.25	71.48
63.0-64.0	757.7	74.4	4409.9	1.23	72.70
64.0-65.0	733.1	72.6	4482.4	1.20	73.90
65.0-66.0	709.7	70.8	4553.2	1.17	75.07
66.0-67.0	685.5	68.9	4622.2	1.14	76.20
67.0-68.0	661.6	67.0	4689.2	1.11	77.31
68.0-69.0	637.9	65.1	4754.3	1.07	78.38
69.0-70.0	614.3	63.1	4817.4	1.04	79.42
70.0-71.0	592.2	61.2	4878.6	1.01	80.43
71.0-72.0	569.1	59.2	4937.8	0.98	81.41

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	546.4	57.1	4994.9	0.94	82.35
73.0-74.0	525.0	55.2	5050.1	0.91	83.26
74.0-75.0	503.0	53.2	5103.3	0.88	84.13
75.0-76.0	481.4	51.1	5154.4	0.84	84.98
76.0-77.0	460.0	49.0	5203.4	0.81	85.78
77.0-78.0	439.1	47.0	5250.5	0.78	86.56
78.0-79.0	419.5	45.1	5295.5	0.74	87.30
79.0-80.0	399.4	43.1	5338.6	0.71	88.01
80.0-81.0	379.8	41.1	5379.7	0.68	88.69
81.0-82.0	361.1	39.2	5418.8	0.65	89.34
82.0-83.0	342.6	37.2	5456.1	0.61	89.95
83.0-84.0	325.0	35.4	5491.5	0.58	90.53
84.0-85.0	307.3	33.5	5525.1	0.55	91.09
85.0-86.0	290.3	31.7	5556.8	0.52	91.61
86.0-87.0	274.5	30.0	5586.8	0.50	92.11
87.0-88.0	258.6	28.3	5615.2	0.47	92.57
88.0-89.0	243.2	26.7	5641.8	0.44	93.01
89.0-90.0	229.0	25.1	5666.9	0.41	93.43
90.0-91.0	216.3	23.7	5690.7	0.39	93.82
91.0-92.0	204.8	22.4	5713.1	0.37	94.19
92.0-93.0	193.3	21.2	5734.3	0.35	94.54
93.0-94.0	182.1	19.9	5754.2	0.33	94.87
94.0-95.0	171.8	18.8	5773.0	0.31	95.17
95.0-96.0	161.4	17.6	5790.6	0.29	95.47
96.0-97.0	151.5	16.5	5807.1	0.27	95.74
97.0-98.0	142.5	15.5	5822.6	0.26	95.99
98.0-99.0	133.7	14.5	5837.1	0.24	96.23
99.0-100.0	125.6	13.6	5850.7	0.22	96.46
100.0-101.0	117.6	12.7	5863.4	0.21	96.66
101.0-102.0	110.2	11.8	5875.2	0.20	96.86
102.0-103.0	103.6	11.1	5886.3	0.18	97.04
103.0-104.0	97.1	10.4	5896.6	0.17	97.21
104.0-105.0	91.2	9.7	5906.3	0.16	97.37
105.0-106.0	85.6	9.0	5915.4	0.15	97.52
106.0-107.0	80.2	8.4	5923.8	0.14	97.66
107.0-108.0	75.5	7.9	5931.7	0.13	97.79

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	70.6	7.3	5939.0	0.12	97.91
109.0-110.0	66.0	6.8	5945.9	0.11	98.02
110.0-111.0	61.9	6.4	5952.2	0.10	98.13
111.0-112.0	57.9	5.9	5958.1	0.10	98.23
112.0-113.0	54.2	5.5	5963.6	0.09	98.32
113.0-114.0	50.6	5.1	5968.7	0.08	98.40
114.0-115.0	47.3	4.7	5973.4	0.08	98.48
115.0-116.0	44.5	4.4	5977.8	0.07	98.55
116.0-117.0	41.7	4.1	5981.9	0.07	98.62
117.0-118.0	39.0	3.8	5985.7	0.06	98.68
118.0-119.0	36.7	3.5	5989.3	0.06	98.74
119.0-120.0	34.4	3.3	5992.5	0.05	98.79
120.0-121.0	32.2	3.0	5995.6	0.05	98.84
121.0-122.0	30.2	2.8	5998.4	0.05	98.89
122.0-123.0	28.3	2.6	6001.0	0.04	98.93
123.0-124.0	26.6	2.4	6003.5	0.04	98.97
124.0-125.0	25.0	2.3	6005.7	0.04	99.01
125.0-126.0	23.6	2.1	6007.8	0.03	99.05
126.0-127.0	22.6	2.0	6009.8	0.03	99.08
127.0-128.0	21.7	1.9	6011.7	0.03	99.11
128.0-129.0	21.1	1.8	6013.5	0.03	99.14
129.0-130.0	20.7	1.8	6015.3	0.03	99.17
130.0-131.0	20.5	1.7	6017.0	0.03	99.20
131.0-132.0	20.4	1.7	6018.7	0.03	99.22
132.0-133.0	20.4	1.7	6020.3	0.03	99.25
133.0-134.0	20.6	1.6	6021.9	0.03	99.28
134.0-135.0	20.7	1.6	6023.6	0.03	99.31
135.0-136.0	20.9	1.6	6025.2	0.03	99.33
136.0-137.0	21.0	1.6	6026.8	0.03	99.36
137.0-138.0	21.2	1.6	6028.3	0.03	99.38
138.0-139.0	21.3	1.6	6029.9	0.03	99.41
139.0-140.0	21.5	1.5	6031.4	0.03	99.44
140.0-141.0	21.6	1.5	6032.9	0.02	99.46
141.0-142.0	21.8	1.5	6034.4	0.02	99.48
142.0-143.0	21.9	1.5	6035.9	0.02	99.51
143.0-144.0	22.1	1.4	6037.3	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	22.2	1.4	6038.7	0.02	99.56
145.0-146.0	22.4	1.4	6040.1	0.02	99.58
146.0-147.0	22.5	1.4	6041.5	0.02	99.60
147.0-148.0	22.6	1.3	6042.8	0.02	99.62
148.0-149.0	22.7	1.3	6044.1	0.02	99.64
149.0-150.0	22.9	1.3	6045.4	0.02	99.67
150.0-151.0	23.0	1.2	6046.6	0.02	99.69
151.0-152.0	23.1	1.2	6047.8	0.02	99.71
152.0-153.0	23.3	1.2	6049.0	0.02	99.73
153.0-154.0	23.4	1.1	6050.2	0.02	99.74
154.0-155.0	23.5	1.1	6051.3	0.02	99.76
155.0-156.0	23.6	1.1	6052.3	0.02	99.78
156.0-157.0	23.7	1.0	6053.4	0.02	99.80
157.0-158.0	23.8	1.0	6054.4	0.02	99.81
158.0-159.0	23.9	1.0	6055.3	0.02	99.83
159.0-160.0	24.0	0.9	6056.3	0.02	99.84
160.0-161.0	24.1	0.9	6057.1	0.01	99.86
161.0-162.0	24.3	0.8	6058.0	0.01	99.87
162.0-163.0	24.4	0.8	6058.8	0.01	99.89
163.0-164.0	24.5	0.8	6059.6	0.01	99.90
164.0-165.0	24.6	0.7	6060.3	0.01	99.91
165.0-166.0	24.7	0.7	6061.0	0.01	99.92
166.0-167.0	24.8	0.6	6061.6	0.01	99.93
167.0-168.0	24.9	0.6	6062.2	0.01	99.94
168.0-169.0	25.1	0.5	6062.7	0.01	99.95
169.0-170.0	25.2	0.5	6063.2	0.01	99.96
170.0-171.0	25.3	0.5	6063.7	0.01	99.97
171.0-172.0	25.4	0.4	6064.1	0.01	99.97
172.0-173.0	25.5	0.4	6064.5	0.01	99.98
173.0-174.0	25.6	0.3	6064.8	0.01	99.99
174.0-175.0	25.7	0.3	6065.1	0.00	99.99
175.0-176.0	25.8	0.2	6065.3	0.00	99.99
176.0-177.0	25.9	0.2	6065.5	0.00	100.00
177.0-178.0	26.0	0.1	6065.6	0.00	100.00
178.0-179.0	26.0	0.1	6065.7	0.00	100.00
179.0-180.0	26.1	0.0	6065.7	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°): 2771.83 lm

%lum = 45.7%

%lamp = 45.7%

cone flux(120°): 4102.42 lm

%lum = 67.6%

%lamp = 67.6%

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	1840.0	1825.9	1818.3	1811.0	1806.1	1800.8	1840.0	1825.9	1818.3	1811.0
G1.0	1840.6	1825.8	1817.3	1810.3	1805.0	1800.1	1839.6	1825.5	1817.3	1811.1
G2.0	1840.0	1825.4	1816.3	1808.5	1803.3	1798.4	1838.0	1825.0	1816.6	1810.3
G3.0	1838.8	1824.2	1814.1	1806.2	1800.8	1796.5	1836.4	1822.9	1814.9	1808.8
G4.0	1837.6	1822.1	1811.5	1802.7	1797.7	1794.4	1833.7	1820.7	1812.0	1806.8
G5.0	1835.4	1819.8	1808.1	1798.6	1793.8	1790.9	1831.0	1818.1	1809.5	1803.3
G6.0	1832.5	1816.4	1803.6	1794.0	1789.7	1787.2	1827.7	1814.5	1805.4	1799.2
G7.0	1829.6	1812.9	1799.1	1788.3	1783.8	1782.8	1823.1	1810.4	1800.8	1794.6
G8.0	1825.8	1808.7	1793.5	1782.0	1778.1	1778.3	1818.0	1805.0	1795.4	1788.4
G9.0	1821.5	1803.6	1787.0	1774.9	1770.7	1772.8	1813.1	1800.5	1789.2	1782.8
G10.0	1816.6	1798.0	1780.2	1767.3	1763.8	1766.8	1808.3	1794.5	1782.7	1775.6
G11.0	1810.8	1791.8	1771.8	1758.0	1755.2	1759.7	1801.0	1787.7	1774.8	1767.2
G12.0	1805.0	1784.7	1763.9	1748.9	1747.2	1752.2	1794.6	1780.3	1766.6	1759.4
G13.0	1798.7	1778.2	1755.0	1738.8	1737.4	1744.8	1787.1	1773.6	1758.2	1749.8
G14.0	1791.7	1769.9	1744.4	1727.5	1726.3	1736.0	1778.9	1764.5	1748.3	1739.3
G15.0	1784.7	1761.4	1733.8	1715.6	1716.1	1727.2	1771.0	1756.5	1737.9	1728.4
G16.0	1775.9	1751.5	1722.6	1702.8	1703.5	1717.0	1761.7	1745.8	1726.4	1716.3
G17.0	1767.8	1742.4	1710.9	1690.1	1691.9	1707.0	1752.8	1736.2	1715.4	1704.6
G18.0	1759.0	1732.4	1698.9	1676.7	1679.3	1696.4	1742.8	1726.4	1703.2	1691.6
G19.0	1748.9	1720.8	1685.2	1661.0	1665.1	1684.4	1731.6	1714.2	1689.5	1677.1
G20.0	1738.8	1709.5	1671.4	1646.7	1651.6	1673.7	1721.2	1702.9	1676.6	1663.7
G21.0	1728.2	1698.7	1657.6	1631.6	1637.7	1662.1	1709.8	1690.6	1662.7	1648.3
G22.0	1716.3	1684.9	1641.5	1613.7	1621.0	1647.7	1697.4	1677.4	1646.9	1631.6
G23.0	1705.8	1673.0	1626.4	1597.7	1606.0	1634.9	1685.4	1664.5	1631.6	1615.8
G24.0	1692.9	1658.6	1609.7	1579.7	1588.2	1619.7	1671.9	1650.1	1614.8	1598.0
G25.0	1680.2	1644.7	1593.2	1561.3	1571.8	1605.8	1659.2	1635.9	1599.2	1581.0
G26.0	1667.3	1630.2	1576.8	1543.8	1554.9	1591.1	1645.8	1621.2	1582.4	1563.7
G27.0	1652.9	1614.2	1557.5	1522.6	1536.0	1574.9	1629.8	1605.4	1563.5	1542.9
G28.0	1639.2	1600.1	1540.0	1503.8	1518.0	1558.9	1615.7	1589.6	1545.3	1524.9
G29.0	1625.0	1583.9	1522.0	1483.7	1499.0	1543.5	1600.4	1572.9	1527.3	1504.9
G30.0	1609.1	1566.7	1501.2	1462.3	1479.3	1525.3	1584.7	1555.5	1507.1	1483.7
G31.0	1593.7	1550.0	1481.7	1441.4	1459.1	1508.9	1569.7	1539.6	1487.6	1463.3
G32.0	1577.4	1531.6	1460.7	1418.6	1438.0	1490.7	1551.2	1520.7	1466.7	1440.7
G33.0	1561.0	1513.7	1440.8	1397.4	1418.4	1472.8	1535.6	1503.3	1445.9	1420.2
G34.0	1545.3	1496.6	1420.2	1375.1	1397.3	1455.7	1517.9	1484.4	1425.0	1397.8
G35.0	1527.3	1476.7	1397.5	1351.5	1373.5	1436.2	1498.6	1465.0	1402.5	1373.0
G36.0	1510.6	1459.1	1375.6	1328.4	1352.8	1416.9	1481.9	1445.7	1381.6	1351.2

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 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	1492.9	1439.7	1354.6	1305.4	1330.6	1397.7	1461.4	1425.4	1358.6	1326.9
G38.0	1473.0	1419.2	1330.2	1279.4	1306.9	1377.1	1443.2	1405.3	1336.1	1303.0
G39.0	1455.3	1399.4	1308.1	1255.4	1283.9	1357.0	1424.8	1385.9	1313.2	1280.0
G40.0	1434.9	1378.7	1283.0	1229.5	1259.5	1335.6	1403.3	1363.3	1288.7	1253.5
G41.0	1415.4	1357.8	1260.5	1205.2	1236.2	1315.1	1384.2	1343.1	1266.0	1229.7
G42.0	1396.5	1338.0	1237.2	1181.0	1213.1	1295.0	1364.2	1322.9	1242.4	1204.8
G43.0	1374.8	1314.9	1212.3	1154.8	1187.0	1271.7	1342.5	1299.0	1217.2	1178.3
G44.0	1355.8	1294.5	1187.7	1129.5	1164.2	1251.0	1322.5	1278.1	1194.0	1153.7
G45.0	1335.1	1272.7	1163.6	1103.5	1139.8	1229.3	1299.3	1255.0	1166.8	1125.7
G46.0	1313.1	1249.7	1137.6	1076.4	1114.1	1206.4	1279.3	1232.9	1143.4	1101.0
G47.0	1292.1	1227.5	1114.1	1050.5	1089.1	1184.0	1257.2	1210.1	1118.4	1074.7
G48.0	1269.9	1204.3	1087.0	1023.1	1063.3	1160.3	1234.6	1186.5	1091.2	1047.2
G49.0	1248.0	1181.7	1063.1	997.8	1038.2	1137.6	1213.0	1163.2	1067.2	1020.9
G50.0	1227.3	1159.9	1038.0	971.3	1014.3	1115.9	1192.1	1141.2	1041.7	995.2
G51.0	1203.7	1135.1	1010.5	942.3	986.8	1090.9	1167.8	1116.9	1015.4	965.9
G52.0	1182.6	1113.0	986.4	916.8	962.7	1069.0	1147.0	1093.7	990.7	940.2
G53.0	1161.1	1089.9	961.0	890.0	937.7	1046.0	1123.7	1069.3	962.1	910.7
G54.0	1137.5	1064.7	934.8	862.1	911.2	1021.3	1101.1	1046.0	937.8	884.6
G55.0	1116.0	1042.9	909.4	835.0	885.7	999.4	1079.7	1023.9	911.9	857.3
G56.0	1093.0	1018.6	882.7	806.7	858.9	975.5	1055.0	998.0	884.7	828.9
G57.0	1070.3	995.8	857.5	779.8	833.4	952.6	1033.2	976.0	860.1	802.7
G58.0	1048.0	972.8	832.2	752.8	807.9	929.6	1010.5	952.8	834.4	775.5
G59.0	1023.6	947.8	805.7	724.6	780.2	904.6	987.0	928.1	806.9	746.7
G60.0	1002.6	925.8	780.4	697.9	756.2	882.9	964.0	904.9	781.4	719.4
G61.0	978.1	900.7	752.9	669.8	728.8	858.2	940.4	880.3	754.3	690.7
G62.0	956.8	878.2	729.2	642.9	704.9	835.5	917.7	857.4	728.6	663.3
G63.0	934.2	856.5	704.3	616.2	679.9	813.9	896.1	835.3	704.2	637.3
G64.0	911.2	831.7	678.1	588.3	654.0	789.4	871.9	811.1	676.4	608.8
G65.0	889.1	810.2	653.7	561.6	629.4	768.0	850.4	788.3	652.5	581.7
G66.0	866.6	788.0	630.3	536.6	605.1	746.8	827.9	766.8	627.9	555.9
G67.0	843.8	764.9	603.9	507.7	580.1	722.8	805.1	743.1	602.3	526.8
G68.0	822.8	742.9	581.3	483.0	556.5	701.1	784.1	720.8	579.0	501.2
G69.0	799.2	719.8	556.1	455.1	532.3	678.5	759.8	697.5	553.1	472.5
G70.0	777.6	698.3	534.0	429.4	509.3	657.2	739.3	675.8	530.6	447.3
G71.0	757.3	678.1	511.4	405.4	486.7	636.2	718.8	655.3	507.3	422.3
G72.0	733.9	654.9	487.0	378.2	463.5	614.4	695.3	631.8	483.2	394.3
G73.0	713.7	634.9	465.8	354.5	441.6	593.8	675.4	611.7	461.7	370.1

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 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	693.0	614.2	444.2	330.3	420.9	574.4	654.6	590.9	439.5	345.1
G75.0	671.2	592.9	422.1	305.1	398.9	553.5	633.3	569.5	416.8	319.2
G76.0	650.9	572.7	401.3	281.7	378.5	533.9	613.1	549.3	395.7	295.1
G77.0	630.0	552.1	380.1	257.6	356.5	513.0	591.5	528.7	373.1	270.2
G78.0	610.0	532.6	360.5	235.3	337.9	494.9	572.5	509.2	353.8	246.9
G79.0	590.6	513.4	342.0	213.4	319.0	476.2	554.1	490.9	334.3	224.0
G80.0	570.2	494.0	321.8	191.1	299.9	456.4	533.2	470.4	314.3	200.6
G81.0	551.3	475.3	304.3	169.8	281.9	439.2	515.1	452.7	295.7	179.0
G82.0	533.4	457.2	286.6	151.0	265.5	421.5	494.8	433.1	277.2	156.9
G83.0	513.4	438.7	268.6	129.4	247.4	403.7	477.6	416.2	260.0	137.4
G84.0	496.1	422.2	252.1	111.4	232.2	387.7	460.0	399.1	244.5	117.8
G85.0	476.8	403.5	234.7	91.2	215.6	369.7	441.1	381.6	227.2	97.0
G86.0	460.2	387.9	220.3	74.4	201.6	353.8	424.7	365.0	212.4	79.7
G87.0	443.1	371.5	205.8	57.5	187.8	338.9	408.1	349.7	197.9	62.1
G88.0	425.8	354.8	191.2	41.1	173.8	322.9	390.9	332.6	183.3	44.6
G89.0	409.2	339.1	177.7	26.5	161.2	308.2	374.6	317.9	169.8	29.4
G90.0	393.0	324.1	165.3	20.1	149.0	293.5	358.4	302.5	156.7	19.2
G91.0	376.4	308.4	151.4	18.9	136.6	278.9	343.7	288.1	144.8	18.0
G92.0	361.9	294.7	139.9	18.0	126.0	265.2	328.8	273.9	133.5	17.0
G93.0	345.4	278.8	127.3	16.7	114.7	251.1	313.7	259.7	122.0	16.1
G94.0	330.8	265.5	115.6	15.7	105.2	238.9	299.5	246.5	112.1	15.3
G95.0	315.9	251.9	104.9	14.9	95.9	226.4	285.8	234.4	102.4	14.5
G96.0	300.5	237.5	94.2	13.9	86.7	214.0	271.7	220.7	92.8	13.7
G97.0	286.3	224.5	85.7	13.0	79.3	202.2	258.9	209.4	84.7	13.1
G98.0	273.0	212.4	78.8	12.4	72.7	190.9	245.5	196.6	77.3	12.6
G99.0	258.2	199.1	71.1	11.6	65.6	179.6	233.3	186.1	70.5	12.1
G100.0	245.7	188.2	64.8	11.0	59.6	169.6	222.0	175.3	64.6	11.6
G101.0	232.0	176.6	58.4	10.5	52.8	158.9	209.4	164.3	58.4	11.3
G102.0	220.5	166.6	53.3	10.0	47.1	149.6	198.8	155.3	53.2	10.9
G103.0	209.0	157.9	48.0	9.8	42.2	141.4	188.4	146.5	48.2	10.6
G104.0	197.8	148.4	42.6	9.6	38.4	132.5	177.5	137.5	43.0	10.5
G105.0	188.5	140.5	39.1	9.6	35.0	124.9	168.9	129.3	39.4	10.5
G106.0	178.2	131.8	35.0	9.9	30.5	116.7	159.1	121.3	35.2	10.5
G107.0	169.7	124.4	31.9	10.1	27.2	109.8	150.3	113.7	31.8	10.7
G108.0	160.6	117.0	29.0	10.3	24.4	103.0	142.3	106.9	28.3	11.0
G109.0	151.6	109.4	26.3	10.6	20.0	95.9	133.5	99.5	24.8	11.3
G110.0	143.2	103.0	23.5	10.9	18.7	89.7	125.9	93.3	21.8	11.5

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 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	135.4	96.6	20.8	11.2	16.8	84.6	118.5	87.0	19.4	11.7
G112.0	127.3	90.3	18.5	11.4	15.3	77.8	111.1	80.7	17.6	12.1
G113.0	120.4	84.4	16.7	11.6	15.2	71.9	104.2	75.0	16.8	12.3
G114.0	112.9	78.6	15.2	12.0	15.3	62.8	97.3	68.2	16.7	12.5
G115.0	106.4	73.4	14.9	12.2	15.3	58.4	90.8	61.3	16.7	12.8
G116.0	99.8	68.1	15.0	12.4	15.5	54.0	84.5	56.4	16.8	13.0
G117.0	93.2	61.0	15.3	12.7	15.6	48.1	78.4	51.4	16.9	13.5
G118.0	87.1	55.7	15.5	13.0	15.7	44.7	72.8	46.9	17.0	13.6
G119.0	81.5	51.2	15.7	13.2	16.0	41.7	67.3	42.0	17.1	13.9
G120.0	75.0	46.4	16.0	13.6	16.2	36.9	62.0	38.7	17.3	14.2
G121.0	69.7	42.4	16.1	13.8	16.4	33.6	57.1	35.0	17.3	14.5
G122.0	64.0	38.7	16.4	14.1	16.6	29.8	51.7	31.5	17.5	14.7
G123.0	59.5	35.2	16.7	14.4	16.7	26.8	47.0	28.2	17.8	15.1
G124.0	54.7	32.1	17.0	14.7	16.9	24.3	42.1	25.6	17.8	15.3
G125.0	49.9	28.8	17.1	15.0	17.1	21.6	38.3	23.1	17.9	15.6
G126.0	45.3	26.1	17.3	15.2	17.2	20.7	34.6	22.1	18.1	15.9
G127.0	41.9	23.6	17.6	15.5	17.5	20.3	30.8	21.9	18.4	16.2
G128.0	37.0	21.8	17.9	15.9	17.6	20.8	27.9	21.9	18.4	16.4
G129.0	33.5	21.3	18.1	16.2	17.8	20.8	25.3	21.9	18.7	16.7
G130.0	29.9	21.2	18.2	16.5	18.0	20.8	24.2	22.0	18.8	16.9
G131.0	27.0	21.3	18.4	16.7	18.2	20.8	24.1	22.1	18.9	17.2
G132.0	24.6	21.5	18.5	17.0	18.4	20.8	24.1	22.3	19.2	17.5
G133.0	23.8	21.6	18.8	17.3	18.5	20.8	24.2	22.3	19.3	17.8
G134.0	23.9	21.8	19.0	17.6	18.7	21.2	24.2	22.4	19.5	18.0
G135.0	23.9	21.9	19.2	17.9	18.9	21.3	24.2	22.6	19.6	18.3
G136.0	23.9	22.0	19.5	18.2	19.1	21.4	24.3	22.6	19.8	18.6
G137.0	24.0	22.1	19.6	18.4	19.2	21.6	24.4	22.7	19.9	18.8
G138.0	24.0	22.3	19.9	18.7	19.4	21.6	24.4	22.8	20.1	19.2
G139.0	24.1	22.3	20.0	18.9	19.5	21.8	24.4	22.9	20.3	19.4
G140.0	24.2	22.5	20.2	19.2	19.7	21.8	24.5	23.1	20.4	19.5
G141.0	24.2	22.7	20.4	19.4	19.9	21.9	24.5	23.2	20.6	19.9
G142.0	24.3	22.7	20.8	19.6	20.1	22.0	24.5	23.2	20.8	20.2
G143.0	24.4	22.9	20.8	19.9	20.2	22.2	24.7	23.3	20.8	20.4
G144.0	24.4	23.0	20.8	20.2	20.5	22.2	24.7	23.5	20.8	20.7
G145.0	24.4	23.1	21.1	20.7	20.5	22.4	24.8	23.5	21.1	20.7
G146.0	24.6	23.3	21.5	20.7	20.9	22.5	24.8	23.6	21.4	20.8
G147.0	24.6	23.4	21.6	20.7	20.9	22.6	24.8	23.5	21.5	21.2

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	24.7	23.4	21.8	21.1	20.9	22.7	24.8	23.6	21.7	21.6
G149.0	24.7	23.5	22.0	21.4	21.2	22.7	24.8	23.6	21.9	21.8
G150.0	24.7	23.6	22.2	21.6	21.5	22.8	24.8	23.7	22.1	22.0
G151.0	24.7	23.8	22.4	21.8	21.7	22.8	24.8	23.8	22.3	22.2
G152.0	24.9	23.9	22.6	22.0	21.8	22.9	24.8	23.8	22.5	22.5
G153.0	24.8	23.9	22.7	22.3	22.0	22.9	24.8	23.9	22.6	22.7
G154.0	24.9	23.9	23.0	22.5	22.2	22.9	24.8	23.9	22.8	22.9
G155.0	24.9	24.0	23.2	22.7	22.3	22.9	24.8	23.9	23.0	23.1
G156.0	24.9	24.1	23.3	22.9	22.5	23.0	24.8	23.8	23.2	23.3
G157.0	24.9	24.2	23.4	23.1	22.7	23.1	24.8	23.9	23.3	23.5
G158.0	24.9	24.3	23.6	23.3	22.8	23.1	24.7	23.9	23.5	23.6
G159.0	25.0	24.4	23.8	23.5	23.1	23.3	24.8	23.9	23.6	23.8
G160.0	25.0	24.6	23.9	23.7	23.2	23.3	24.7	24.0	23.8	24.0
G161.0	25.0	24.6	24.1	23.8	23.4	23.5	24.8	24.1	24.0	24.2
G162.0	25.1	24.6	24.2	24.1	23.6	23.6	24.9	24.2	24.2	24.4
G163.0	25.2	24.8	24.5	24.1	23.8	23.6	24.9	24.4	24.2	24.5
G164.0	25.2	24.8	24.6	24.3	23.9	23.8	25.0	24.4	24.3	24.6
G165.0	25.3	24.9	24.8	24.4	24.0	24.0	25.1	24.6	24.6	24.8
G166.0	25.4	25.0	24.9	24.6	24.2	24.0	25.1	24.7	24.6	24.9
G167.0	25.4	25.1	25.0	24.8	24.3	24.2	25.2	24.8	24.8	25.0
G168.0	25.4	25.2	25.1	24.9	24.5	24.3	25.3	24.9	24.9	25.2
G169.0	25.6	25.4	25.2	25.1	24.7	24.4	25.5	25.0	25.0	25.2
G170.0	25.7	25.4	25.3	25.1	24.8	24.5	25.5	25.1	25.2	25.4
G171.0	25.7	25.5	25.4	25.4	25.0	24.6	25.6	25.2	25.4	25.5
G172.0	25.8	25.6	25.5	25.4	25.1	24.6	25.7	25.3	25.6	25.6
G173.0	26.0	25.7	25.6	25.5	25.3	24.8	25.8	25.5	25.7	25.7
G174.0	26.1	25.7	25.6	25.6	25.5	24.9	26.0	25.6	25.9	25.7
G175.0	26.2	25.9	25.8	25.7	25.6	25.1	26.1	25.8	25.9	25.8
G176.0	26.3	25.9	25.8	25.8	25.7	25.4	26.4	25.9	26.0	25.9
G177.0	26.4	25.9	25.8	25.9	25.8	25.6	26.4	26.1	26.1	25.9
G178.0	26.4	25.9	25.9	25.8	25.9	25.6	26.5	26.1	26.1	25.9
G179.0	26.4	26.0	26.0	25.9	25.9	25.7	26.7	26.2	26.2	26.0
G180.0	26.6	26.1	26.0	25.9	25.9	25.7	26.8	26.2	26.1	26.0

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	1806.1	1800.8	1840.0							
G1.0	1806.3	1800.8	1840.6							
G2.0	1806.0	1800.6	1840.0							
G3.0	1804.3	1799.4	1838.8							
G4.0	1802.4	1797.9	1837.6							
G5.0	1799.5	1795.6	1835.4							
G6.0	1796.1	1792.9	1832.5							
G7.0	1792.2	1789.9	1829.6							
G8.0	1786.9	1785.4	1825.8							
G9.0	1781.4	1780.9	1821.5							
G10.0	1775.6	1776.3	1816.6							
G11.0	1767.7	1770.2	1810.8							
G12.0	1760.4	1763.8	1805.0							
G13.0	1752.2	1757.2	1798.7							
G14.0	1742.4	1749.1	1791.7							
G15.0	1732.8	1741.5	1784.7							
G16.0	1721.4	1732.3	1775.9							
G17.0	1710.8	1723.1	1767.8							
G18.0	1699.2	1713.7	1759.0							
G19.0	1686.1	1702.5	1748.9							
G20.0	1673.2	1692.0	1738.8							
G21.0	1659.7	1680.8	1728.2							
G22.0	1644.5	1668.1	1716.3							
G23.0	1630.3	1655.7	1705.8							
G24.0	1613.3	1641.6	1692.9							
G25.0	1597.8	1628.7	1680.2							
G26.0	1582.0	1614.8	1667.3							
G27.0	1563.9	1599.5	1652.9							
G28.0	1546.0	1584.3	1639.2							
G29.0	1528.6	1569.4	1625.0							
G30.0	1508.2	1552.1	1609.1							
G31.0	1489.8	1536.2	1593.7							
G32.0	1468.1	1517.8	1577.4							
G33.0	1448.8	1501.2	1561.0							
G34.0	1428.2	1483.5	1545.3							
G35.0	1406.1	1464.5	1527.3							
G36.0	1384.2	1446.1	1510.6							

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	1361.7	1426.4	1492.9							
G38.0	1339.2	1407.3	1473.0							
G39.0	1317.7	1388.4	1455.3							
G40.0	1292.8	1366.9	1434.9							
G41.0	1270.6	1347.7	1415.4							
G42.0	1248.3	1327.9	1396.5							
G43.0	1222.2	1305.1	1374.8							
G44.0	1199.1	1284.8	1355.8							
G45.0	1172.6	1262.1	1335.1							
G46.0	1149.0	1240.5	1313.1							
G47.0	1124.5	1218.5	1292.1							
G48.0	1098.8	1195.4	1269.9							
G49.0	1073.4	1173.3	1248.0							
G50.0	1049.5	1151.6	1227.3							
G51.0	1021.9	1127.8	1203.7							
G52.0	997.7	1105.3	1182.6							
G53.0	971.1	1081.1	1161.1							
G54.0	945.6	1058.2	1137.5							
G55.0	921.3	1036.3	1116.0							
G56.0	893.5	1011.6	1093.0							
G57.0	869.1	989.9	1070.3							
G58.0	844.7	967.0	1048.0							
G59.0	816.9	943.2	1023.6							
G60.0	791.5	920.4	1002.6							
G61.0	764.7	896.6	978.1							
G62.0	740.5	874.8	956.8							
G63.0	715.2	852.5	934.2							
G64.0	689.0	828.7	911.2							
G65.0	664.0	806.3	889.1							
G66.0	640.3	785.0	866.6							
G67.0	613.4	761.0	843.8							
G68.0	590.3	740.2	822.8							
G69.0	565.5	717.5	799.2							
G70.0	542.2	696.0	777.6							
G71.0	520.2	675.6	757.3							
G72.0	494.9	652.6	733.9							
G73.0	473.7	632.6	713.7							

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	451.5	612.0	693.0							
G75.0	428.8	590.7	671.2							
G76.0	407.7	570.7	650.9							
G77.0	386.0	550.1	630.0							
G78.0	365.8	530.5	610.0							
G79.0	346.9	512.3	590.6							
G80.0	326.0	491.7	570.2							
G81.0	308.3	474.0	551.3							
G82.0	288.6	454.4	533.4							
G83.0	272.0	437.4	513.4							
G84.0	255.0	419.9	496.1							
G85.0	238.0	401.5	476.8							
G86.0	222.5	385.6	460.2							
G87.0	208.2	369.3	443.1							
G88.0	192.4	352.7	425.8							
G89.0	179.1	336.9	409.2							
G90.0	164.6	320.9	393.0							
G91.0	152.2	306.6	376.4							
G92.0	139.6	291.8	361.9							
G93.0	126.9	276.5	345.4							
G94.0	115.1	262.3	330.8							
G95.0	104.5	248.7	315.9							
G96.0	93.5	234.0	300.5							
G97.0	84.9	220.6	286.3							
G98.0	77.1	207.3	273.0							
G99.0	70.1	195.7	258.2							
G100.0	64.0	184.2	245.7							
G101.0	57.7	172.2	232.0							
G102.0	52.7	163.4	220.5							
G103.0	47.7	154.5	209.0							
G104.0	42.3	145.4	197.8							
G105.0	39.0	137.4	188.5							
G106.0	35.1	129.4	178.2							
G107.0	31.9	122.0	169.7							
G108.0	29.2	115.3	160.6							
G109.0	26.3	108.1	151.6							
G110.0	23.8	101.7	143.2							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	20.9	95.8	135.4							
G112.0	18.7	89.4	127.3							
G113.0	16.9	84.7	120.4							
G114.0	15.5	77.9	112.9							
G115.0	15.5	72.5	106.4							
G116.0	15.7	67.4	99.8							
G117.0	15.8	60.2	93.2							
G118.0	16.1	55.2	87.1							
G119.0	16.3	50.6	81.5							
G120.0	16.5	46.2	75.0							
G121.0	16.7	42.1	69.7							
G122.0	17.0	38.3	64.0							
G123.0	17.1	34.9	59.5							
G124.0	17.5	31.8	54.7							
G125.0	17.7	28.5	49.9							
G126.0	17.9	25.9	45.3							
G127.0	18.0	23.3	41.9							
G128.0	18.3	22.0	37.0							
G129.0	18.5	21.7	33.5							
G130.0	18.8	21.7	29.9							
G131.0	18.9	21.9	27.0							
G132.0	19.1	21.9	24.6							
G133.0	19.3	22.1	23.8							
G134.0	19.6	22.2	23.9							
G135.0	19.7	22.3	23.9							
G136.0	19.9	22.5	23.9							
G137.0	20.1	22.5	24.0							
G138.0	20.3	22.6	24.0							
G139.0	20.5	22.7	24.1							
G140.0	20.9	22.8	24.2							
G141.0	20.9	23.0	24.2							
G142.0	20.9	23.1	24.3							
G143.0	21.1	23.2	24.4							
G144.0	21.4	23.3	24.4							
G145.0	21.5	23.4	24.4							
G146.0	21.8	23.6	24.6							
G147.0	22.0	23.6	24.6							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	22.1	23.7	24.7							
G149.0	22.4	23.8	24.7							
G150.0	22.6	23.9	24.7							
G151.0	22.7	23.9	24.7							
G152.0	22.9	24.0	24.9							
G153.0	23.1	24.0	24.8							
G154.0	23.2	24.1	24.9							
G155.0	23.4	24.2	24.9							
G156.0	23.5	24.2	24.9							
G157.0	23.8	24.3	24.9							
G158.0	23.9	24.3	24.9							
G159.0	24.0	24.4	25.0							
G160.0	24.2	24.6	25.0							
G161.0	24.3	24.6	25.0							
G162.0	24.4	24.7	25.1							
G163.0	24.6	24.7	25.2							
G164.0	24.7	24.7	25.2							
G165.0	24.8	24.9	25.3							
G166.0	25.0	24.9	25.4							
G167.0	25.1	25.0	25.4							
G168.0	25.2	25.0	25.4							
G169.0	25.3	25.2	25.6							
G170.0	25.4	25.3	25.7							
G171.0	25.5	25.4	25.7							
G172.0	25.5	25.4	25.8							
G173.0	25.6	25.5	26.0							
G174.0	25.6	25.4	26.1							
G175.0	25.7	25.6	26.2							
G176.0	25.7	25.6	26.3							
G177.0	25.9	25.6	26.4							
G178.0	25.8	25.6	26.4							
G179.0	25.9	25.7	26.4							
G180.0	25.9	25.7	26.6							

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:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	17149.93
L 0-180(75) av	21001.66
L 0-180(85) av	43882.54
L 90-270(65) av	11271.58
L 90-270(75) av	10050.62
L 90-270(85) av	8999.48
L 45(65) av	14227.55
L 45(75) av	15990.93
L 45(85) av	29543.30

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: