

Report No.:

Test Time: 2023-07-25 13:16

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps:

Luminous Length (mm): 1200

Luminous Height (mm): 40

Current: 0.381 A

Power Factor: 0.993

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 100

Voltage: 119.8 V

Power: 45.33 W

Photometric Results

CIE Class: Direct

Measurement Flux: 6253.1 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 209.8, 160.6, 188.9, 185.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 124.2, 105.4, 114.6, 113.6

Luminous Efficacy (lm/w): 137.95

Max. Intensity: 1910.8 cd

S/MH(C0/C180): 1.28

Total Rated Lamp Lumens: 6253.1 lm

Efficiency: 100%

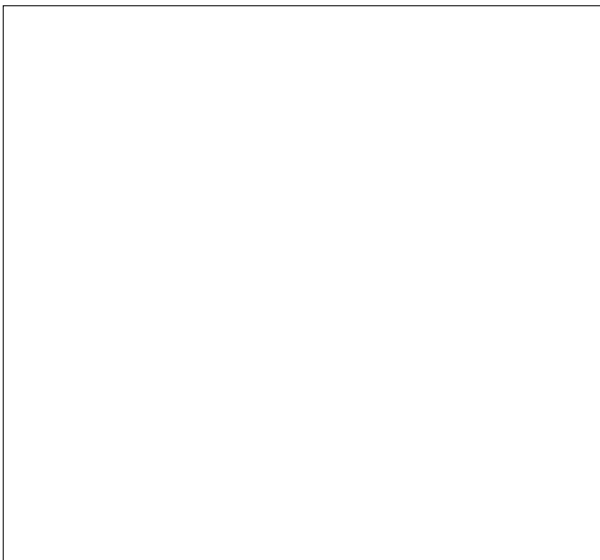
Upward Ratio: 7%

C0r0 Intensity: 1910.74 cd

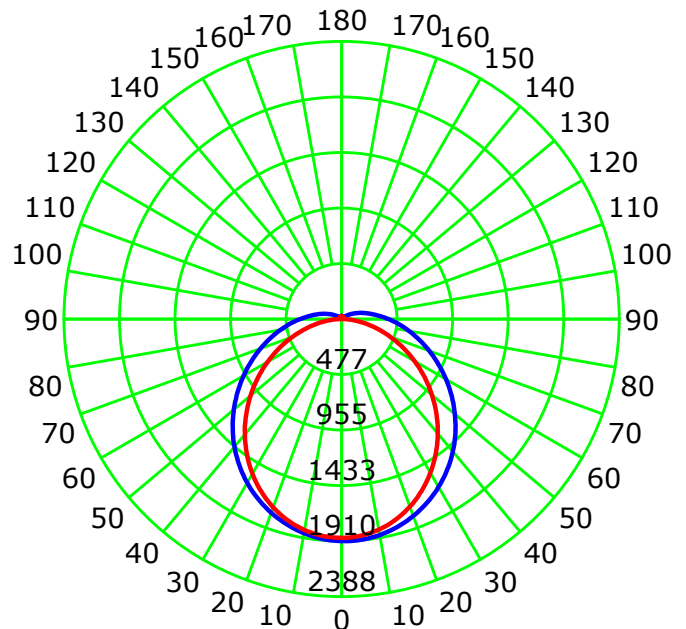
Pos of Max. Intensity: H0 V1

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

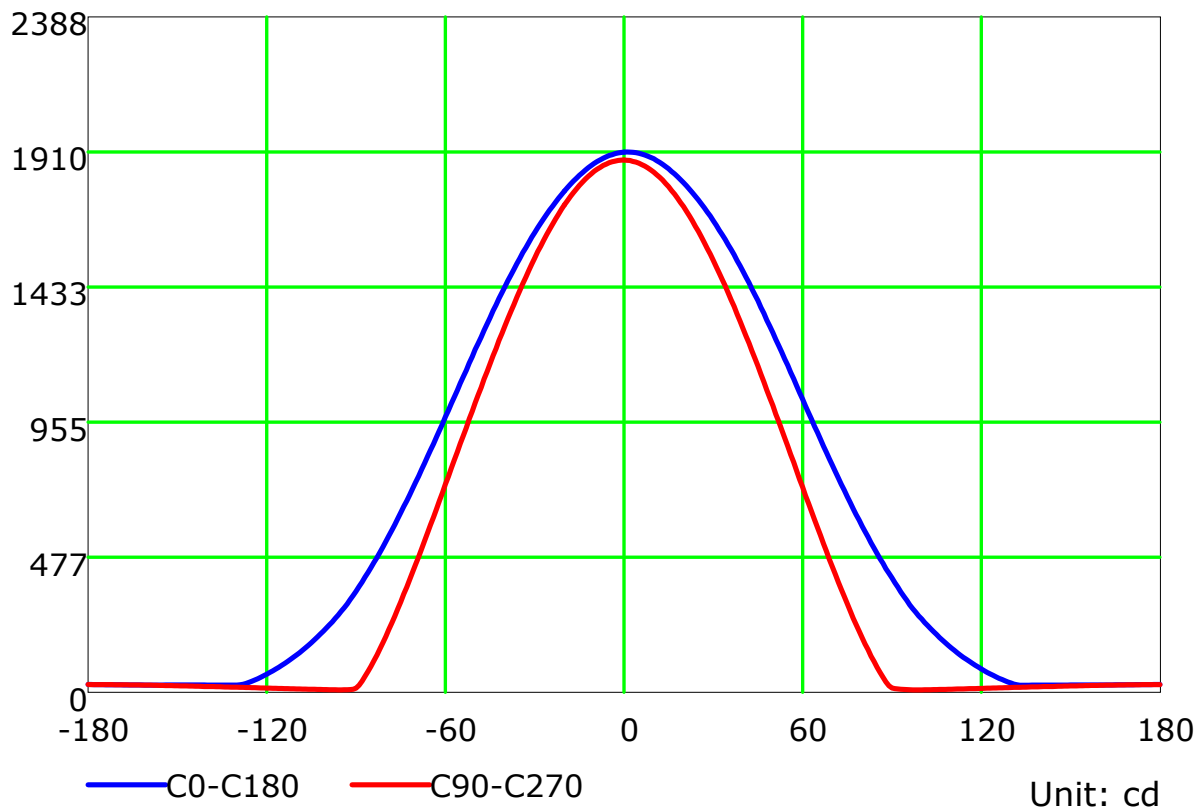
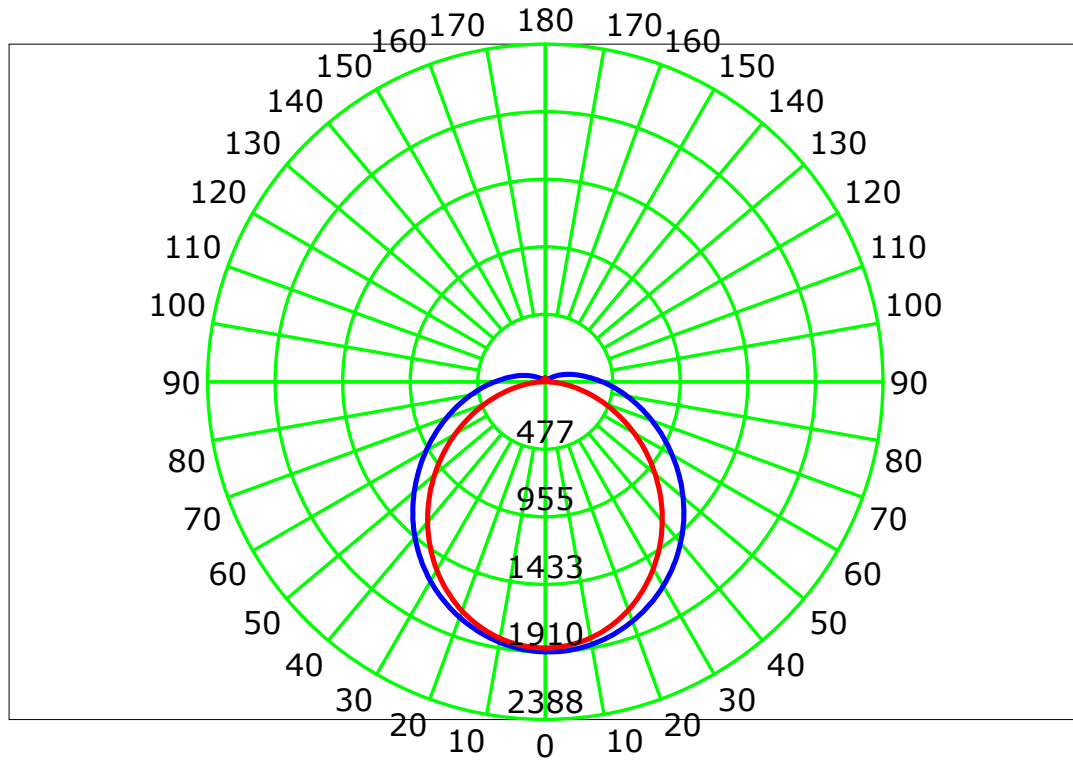
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

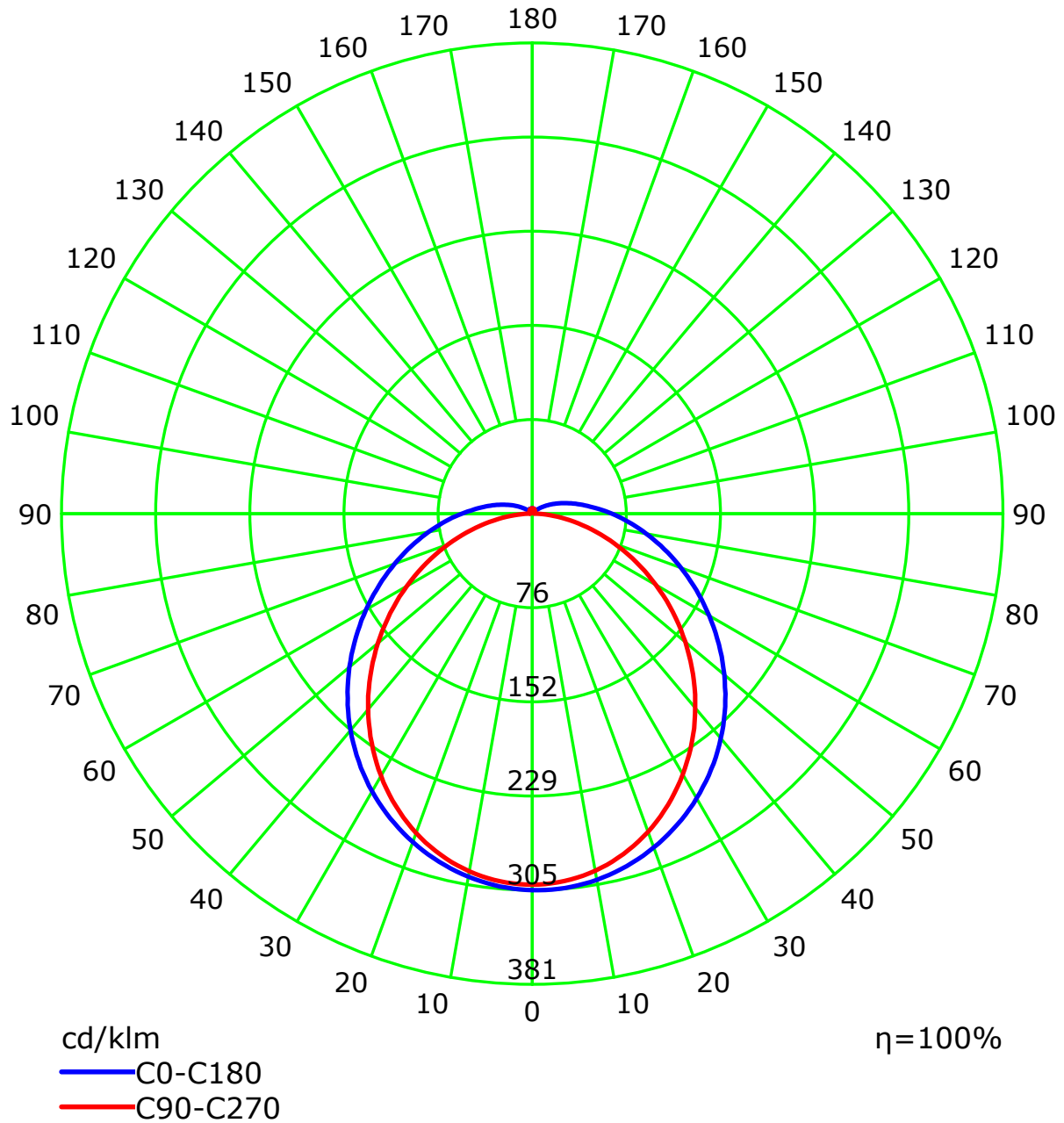
Luminous Intensity Distribution Curve



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)



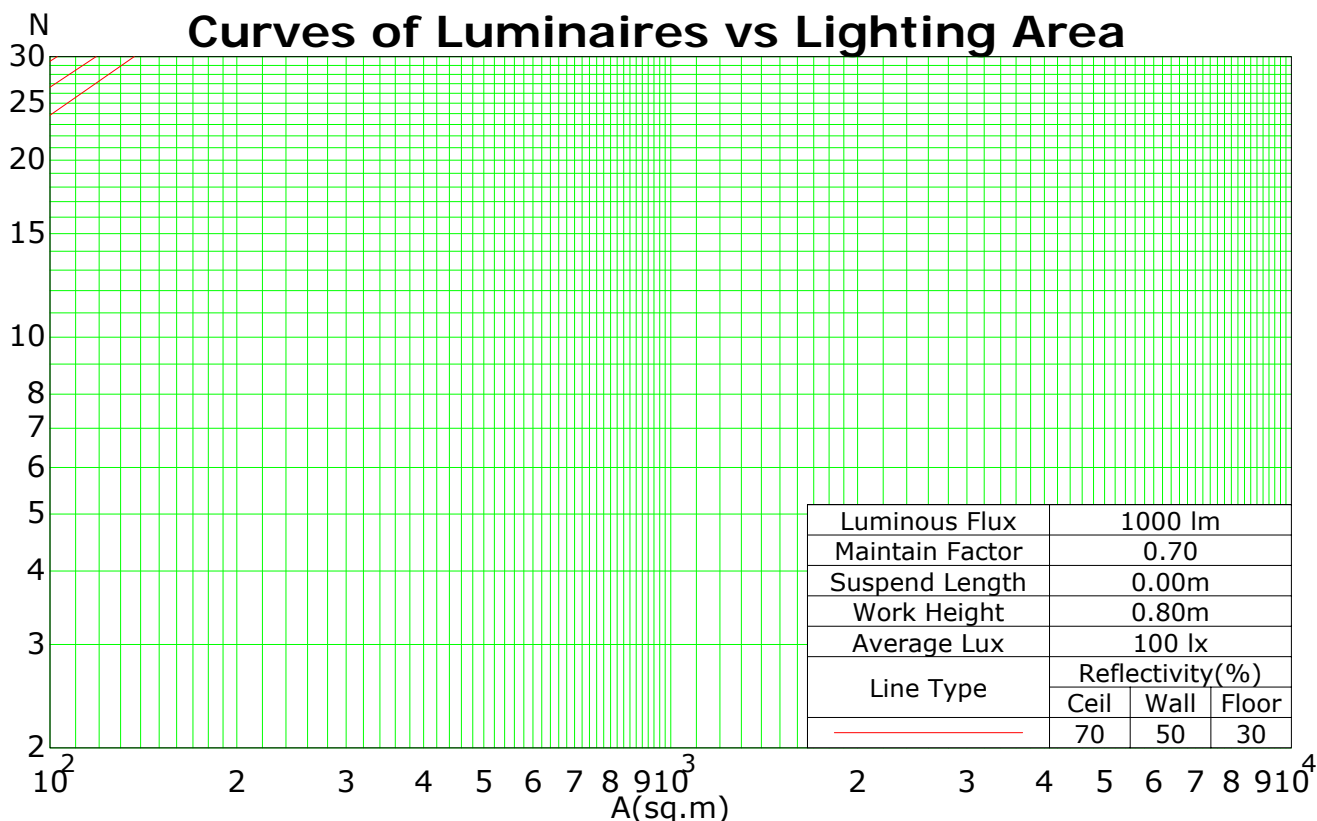
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	1.06	1.00	0.95	0.91	1.02	0.97	0.93	0.89	0.92	0.88	0.85	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	0.74	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	0.84	0.73	0.65	0.59	0.69	0.63	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	0.46	0.43
5	0.73	0.59	0.50	0.43	0.70	0.58	0.49	0.43	0.55	0.47	0.42	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	0.50	0.42	0.36	0.47	0.41	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	0.38	0.32	0.43	0.36	0.31	0.41	0.35	0.31	0.29
8	0.58	0.44	0.35	0.29	0.56	0.43	0.35	0.29	0.41	0.34	0.29	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	0.40	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

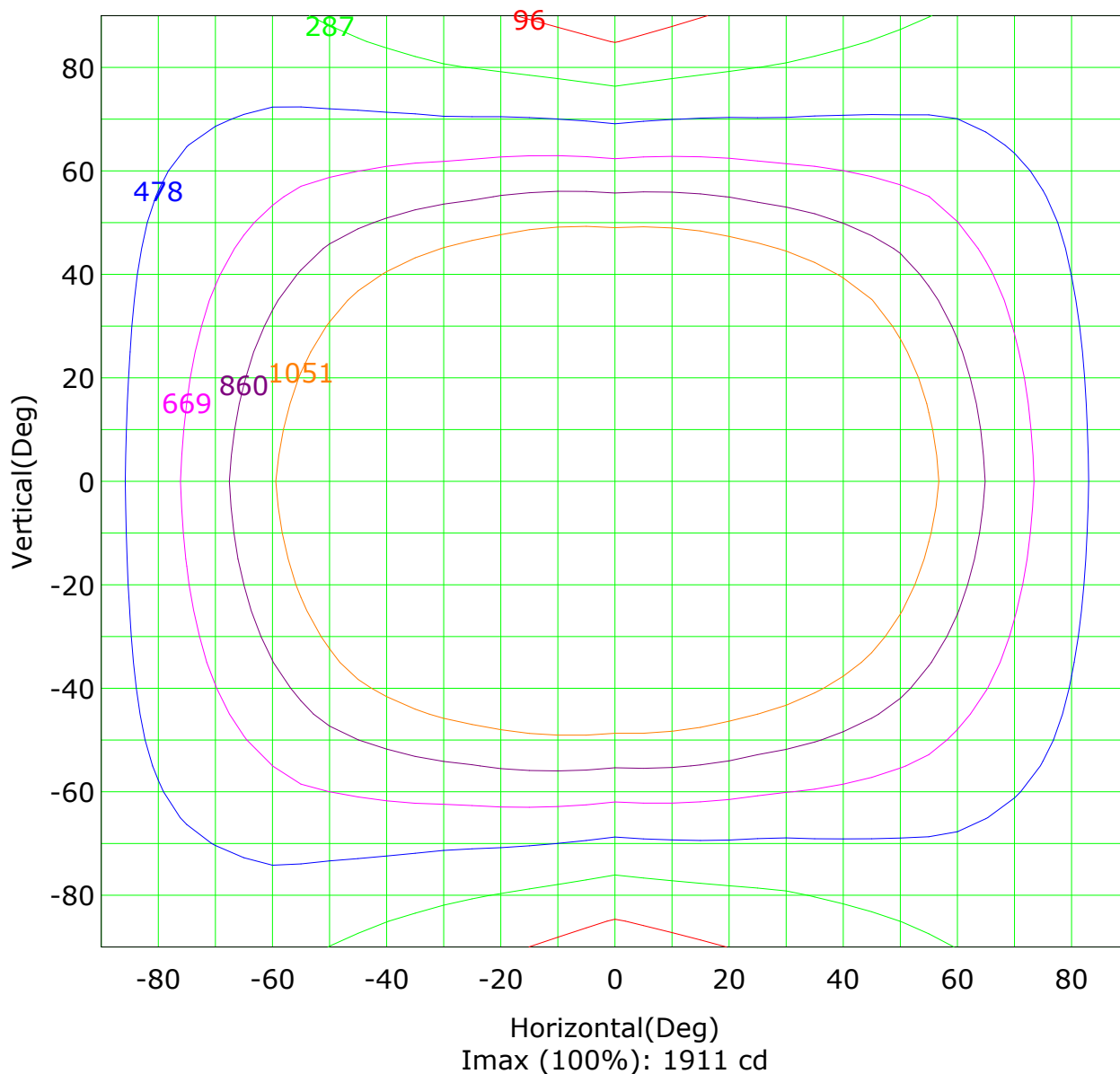
Spacing Criteria (0-180): 1.28
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.36



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)

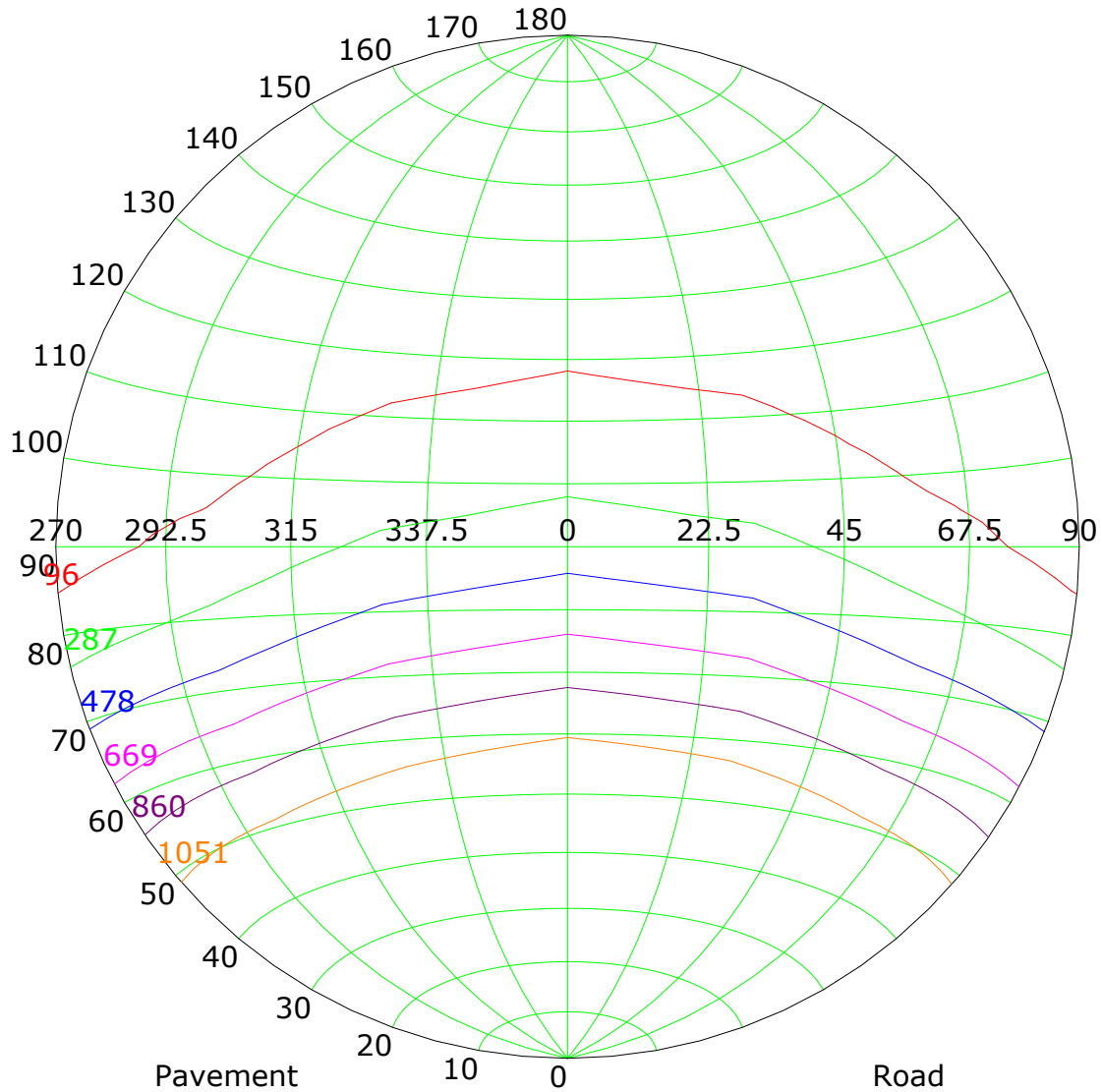


(5%): 96 cd	(15%): 287 cd
(25%): 478 cd	(35%): 669 cd
(45%): 860 cd	(55%): 1051 cd

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)



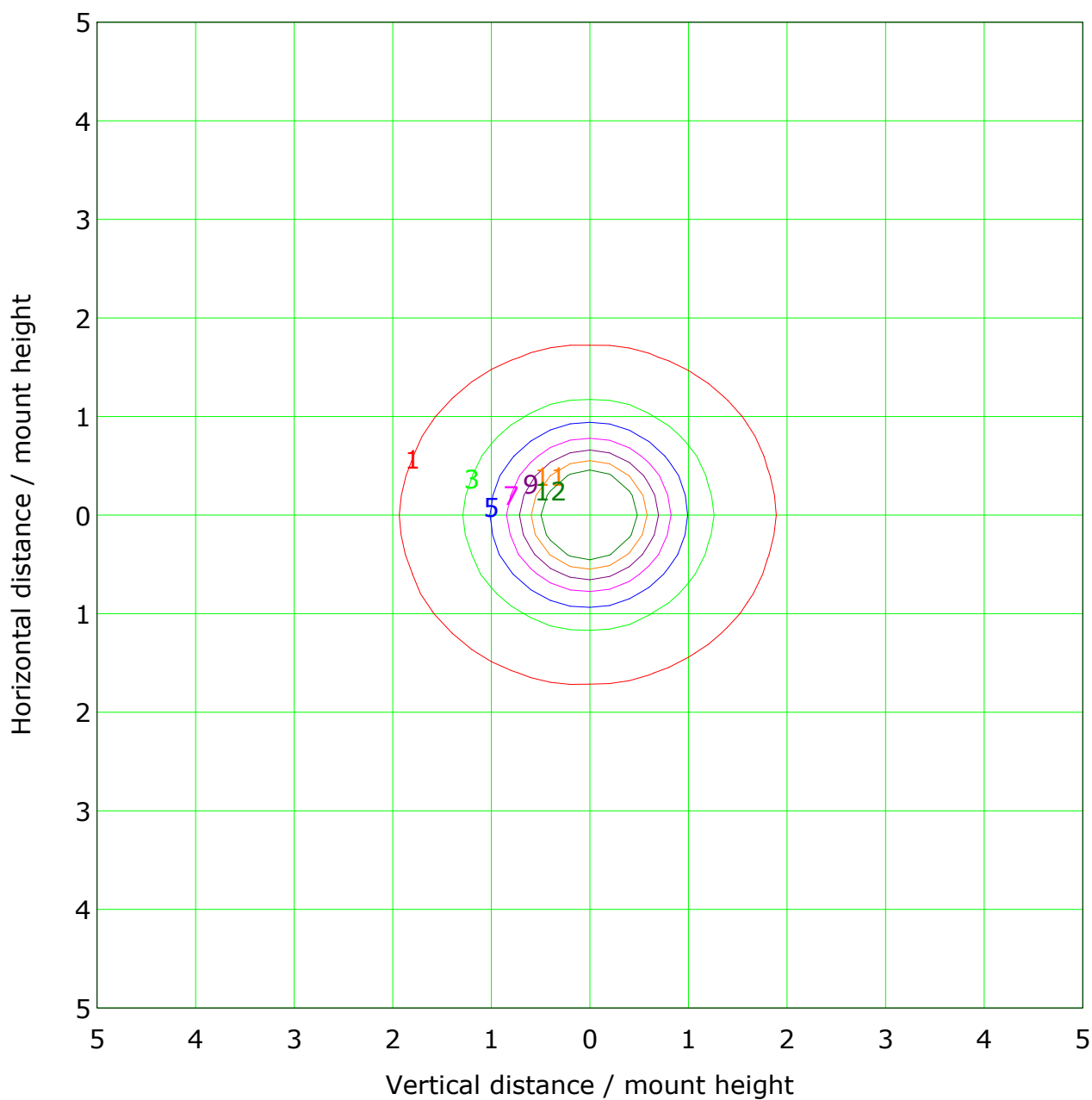
Imax (100%): 1911 cd

(5%): 96 cd	(15%): 287 cd
(25%): 478 cd	(35%): 669 cd
(45%): 860 cd	(55%): 1051 cd

CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 64.728 cd/klm

IES: Non-cut-off
Max.At80: 93.896 cd/klm
Max.80-90: 93.896 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 19.1 lx

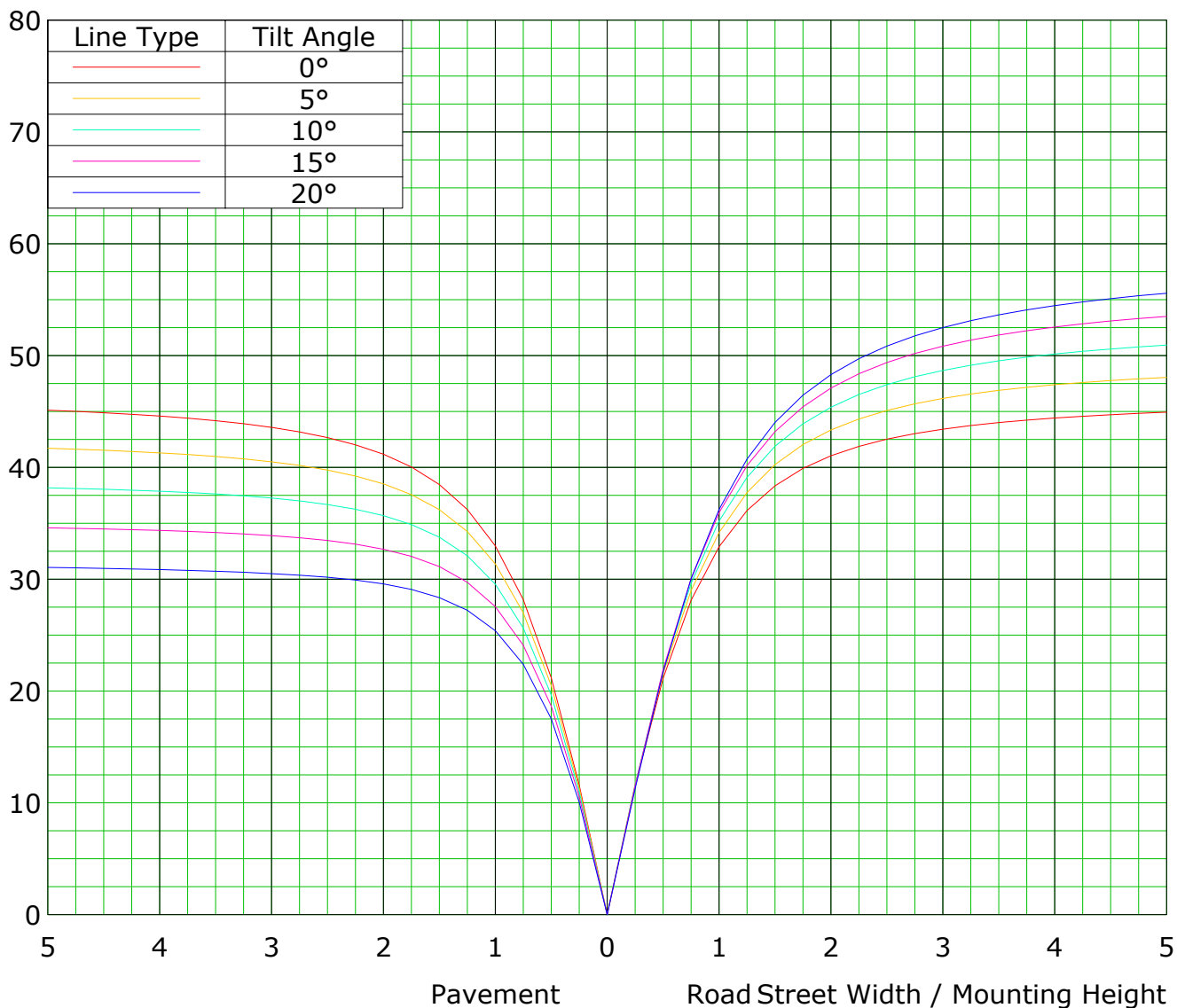
(5%): 1.0 lx	(15%): 2.9 lx
(25%): 4.8 lx	(35%): 6.7 lx
(45%): 8.6 lx	(55%): 10.5 lx
(65%): 12.4 lx	

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(%)

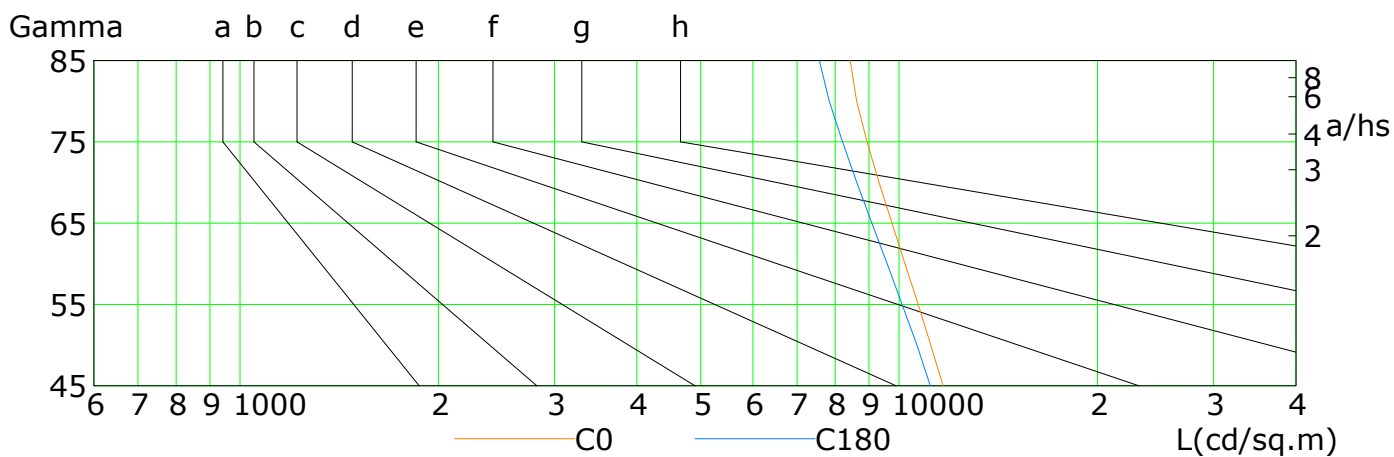
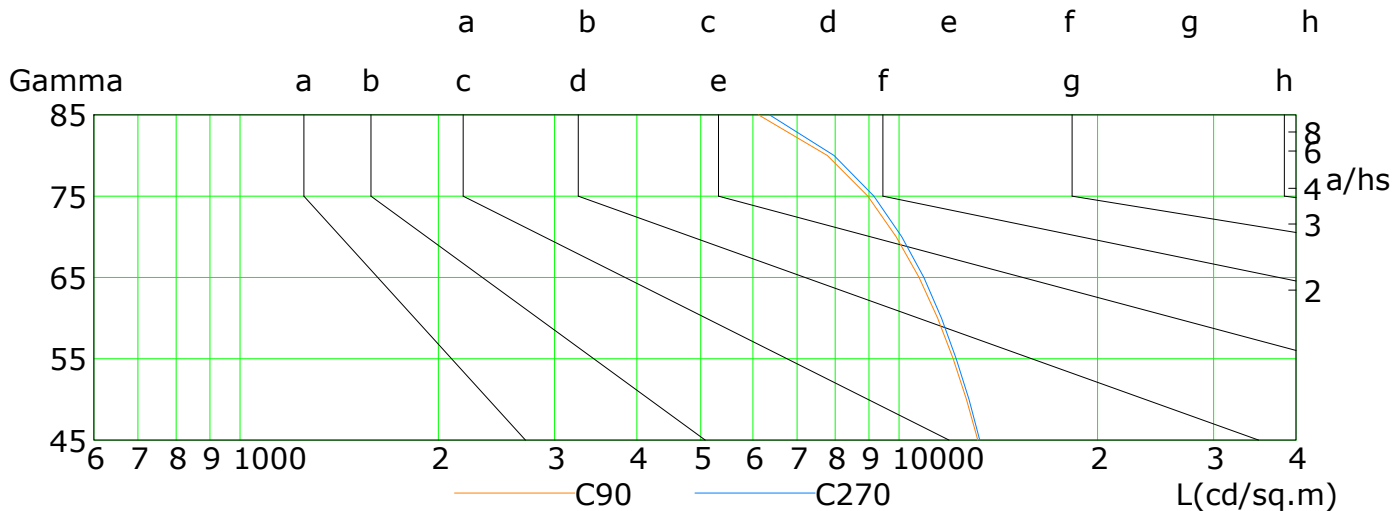


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	11660	11170	10693	10205	9753	9323	8938	8621	8428
C90	13161	12652	12079	11440	10720	9896	8963	7783	6119
C180	11152	10645	10107	9591	9093	8626	8206	7836	7567
C270	13250	12765	12205	11597	10904	10094	9156	7968	6360

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

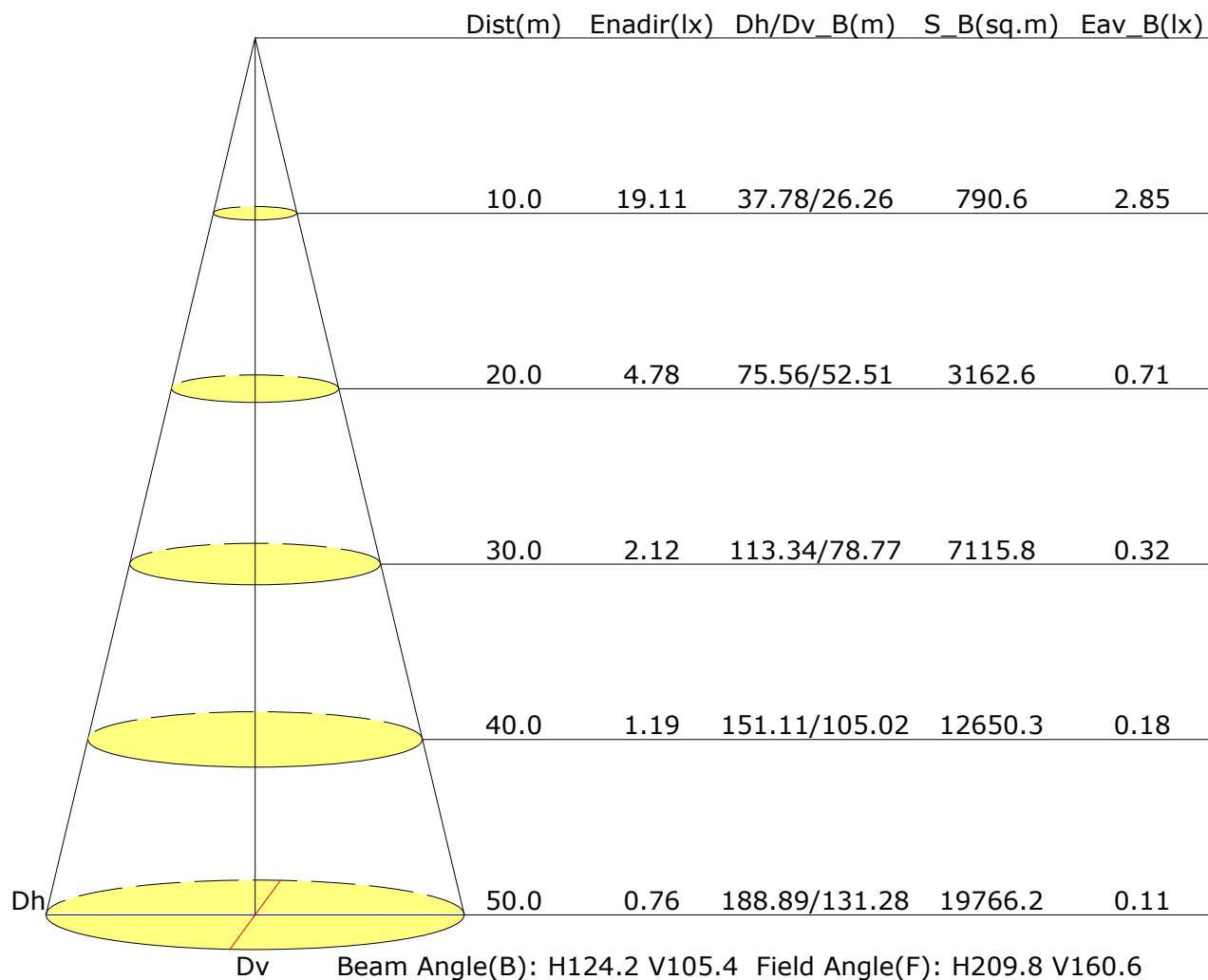
Test Device: GPM-1600L

Distance: 9.010 m

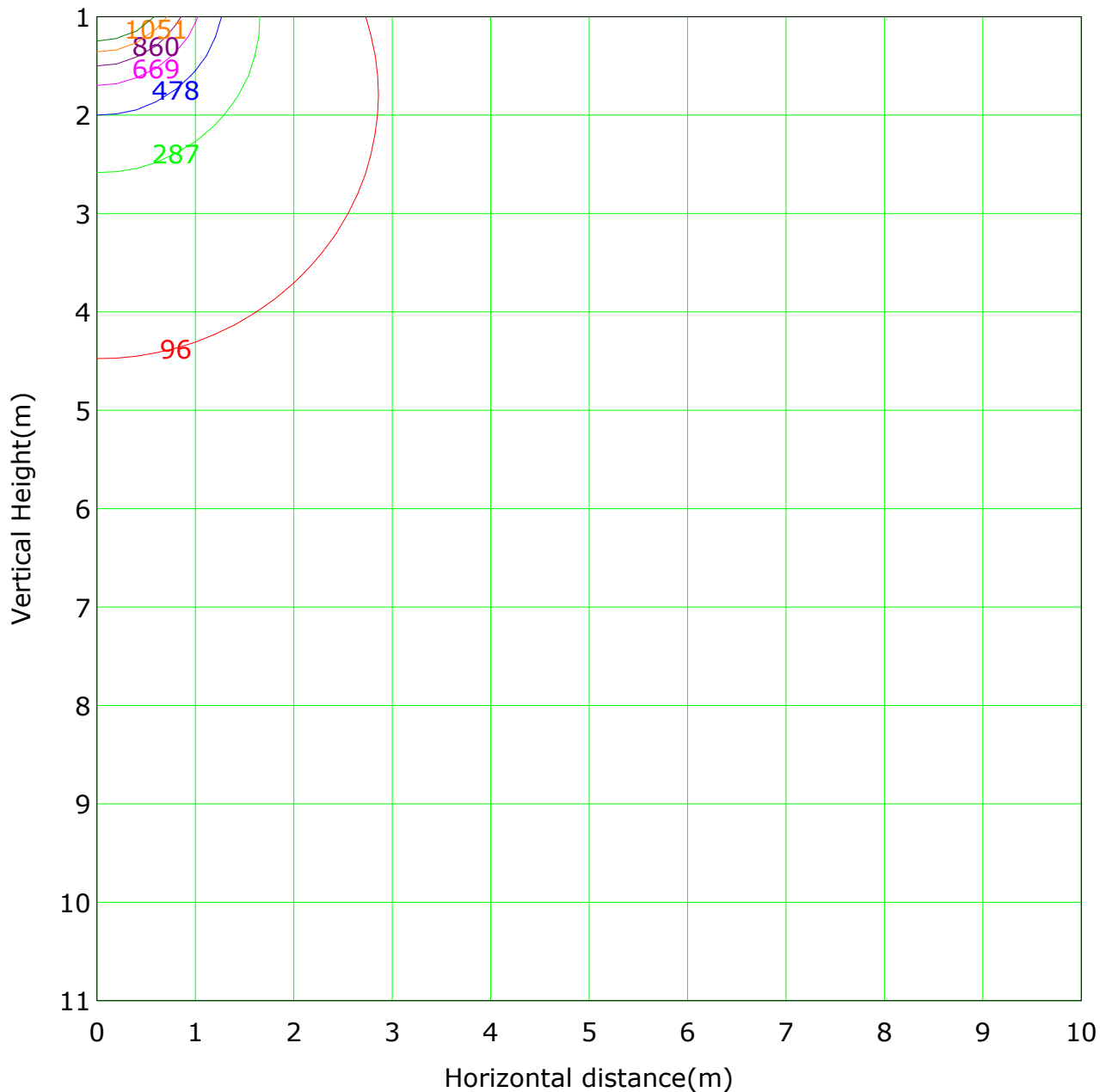
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1910.7 lx

(5%): 95.5 lx	(15%): 286.6 lx
(25%): 477.7 lx	(35%): 668.8 lx
(45%): 859.8 lx	(55%): 1050.9 lx
(65%): 1242.0 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

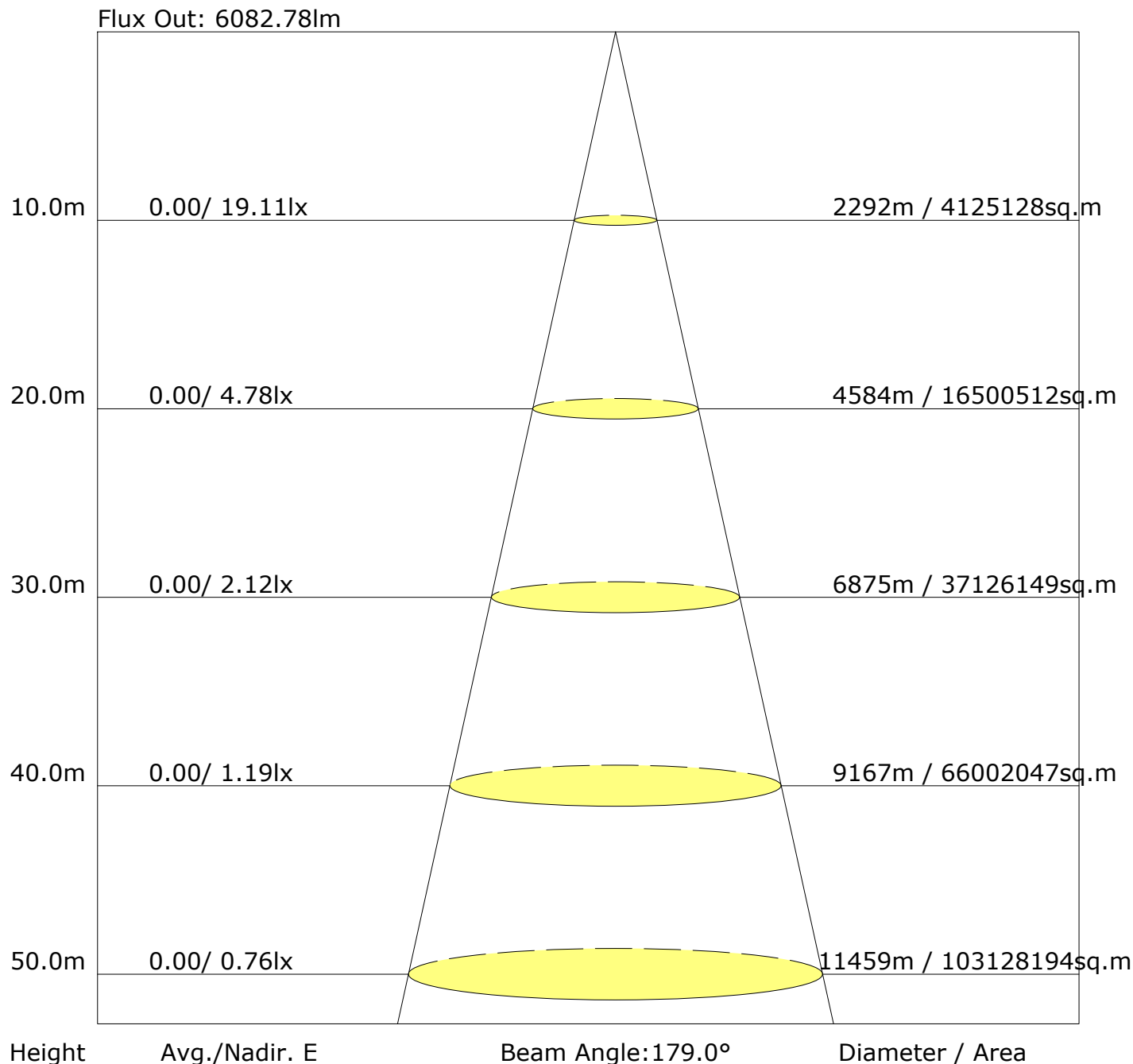
Unit: lm

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	72.8	2.8	3.1	3.5	3.8	4.2	4.5	4.7	4.9	5.1	5.1	5.1	4.9	4.7	4.4	4.1	3.8	3.4	3.0	72.8
72.8	145.1	4.5	5.4	6.4	7.4	8.4	9.3	10.1	10.7	11.0	11.0	11.0	10.6	10.0	9.2	8.2	7.2	6.2	5.2	145.1
145.1	233.0	5.7	7.5	9.5	11.6	13.7	15.5	17.1	18.3	19.0	19.0	18.9	18.1	16.8	15.2	13.3	11.2	9.1	7.1	233.0
233.0	327.6	6.2	9.0	12.2	15.8	19.4	22.6	25.2	27.2	28.3	28.3	28.2	26.9	24.8	22.1	18.8	15.2	11.7	8.4	327.6
327.6	418.7	6.2	10.0	14.6	19.7	24.8	29.6	33.6	36.3	37.9	37.9	37.7	35.9	32.9	28.9	24.2	19.0	13.9	9.3	418.7
418.7	496.0	5.7	10.5	16.5	23.0	29.6	35.8	40.9	44.6	46.5	46.5	46.3	43.9	40.2	35.1	28.9	22.3	15.7	9.8	496.0
496.0	555.6	4.8	10.7	17.9	25.7	33.4	40.4	46.4	50.7	53.1	53.1	52.7	50.0	45.7	39.8	32.8	25.1	17.3	10.2	555.6
555.6	585.2	3.6	10.3	18.3	26.8	35.2	42.9	49.4	54.0	56.6	56.6	56.2	53.6	49.0	42.6	34.8	26.4	18.2	9.9	585.2
585.2	556.5	3.6	10.3	18.3	26.9	35.3	43.0	49.4	54.0	56.4	56.4	56.8	54.1	49.4	42.9	35.2	26.7	18.2	10.2	556.5
556.5	510.4	4.7	10.7	18.0	25.8	33.6	40.6	46.5	50.7	53.3	53.3	53.7	51.2	46.8	40.8	33.7	25.9	16.9	10.9	510.4
510.4	443.5	5.6	10.5	16.6	23.3	30.0	36.1	41.1	44.8	47.2	47.2	47.5	45.4	41.6	36.5	30.3	23.6	15.2	10.9	443.5
443.5	344.6	6.1	10.1	14.8	20.1	25.3	30.0	34.0	37.0	38.9	38.9	39.0	37.4	34.6	30.5	25.7	20.5	13.0	10.5	344.6
344.6	248.3	6.3	9.2	12.6	16.2	19.9	23.2	25.9	28.0	29.4	29.4	29.5	28.3	26.3	23.6	20.3	16.6	10.2	9.6	248.3
248.3	156.7	5.9	7.8	9.9	12.1	14.2	16.2	17.8	19.1	20.0	20.0	20.0	19.3	18.0	16.4	14.5	12.4	7.0	8.1	156.7
156.7	79.8	4.8	5.7	6.8	7.9	8.9	9.9	10.7	11.3	11.8	11.8	11.8	11.4	10.8	10.0	9.1	8.0	3.8	3.5	79.8
79.8	22.3	3.0	3.4	3.8	4.2	4.5	4.9	5.1	5.4	5.5	5.5	5.5	5.4	5.2	4.9	4.6	4.2	1.2	1.1	22.3
22.3	5806	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	5806
5806		81.7	136.2	201.9	272.6	342.8	407.0	460.6	499.6	522.5	522.5	522.4	498.9	459.3	405.3	340.8	270.6	199.8	134.6	80.8
		66.2	2136.2	9201.9	6272.6	8342.8	0407.0	6460.6	6499.6	5522.5	5522.5	522.4	9498.9	3459.3	3405.3	8340.8	6270.6	8199.8	6134.6	64.6

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:

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	20.6	21.9	21.0	22.3	22.7	20.1	21.5	20.5	21.8	22.2
3H	22.4	23.6	22.8	24.0	24.5	21.6	22.8	22.0	23.2	23.6
4H	23.3	24.4	23.7	24.9	25.3	22.1	23.3	22.6	23.7	24.2
6H	24.1	25.2	24.6	25.6	26.1	22.6	23.7	23.1	24.1	24.6
8H	24.5	25.6	25.0	26.0	26.5	22.7	23.8	23.2	24.2	24.7
12H	24.9	25.9	25.4	26.3	26.8	22.8	23.8	23.3	24.3	24.8
X=4H Y=2H	21.2	22.3	21.6	22.7	23.2	20.8	21.9	21.2	22.3	22.8
3H	23.2	24.2	23.7	24.7	25.2	22.4	23.4	22.9	23.9	24.4
4H	24.2	25.1	24.7	25.6	26.1	23.1	24.1	23.7	24.5	25.1
6H	25.2	26.1	25.8	26.6	27.1	23.7	24.6	24.3	25.1	25.6
8H	25.7	26.5	26.3	27.0	27.6	23.9	24.7	24.5	25.2	25.8
12H	26.2	26.9	26.7	27.4	28.0	24.1	24.8	24.7	25.3	25.9
X=8H Y=4H	24.5	25.3	25.1	25.8	26.4	23.6	24.3	24.1	24.8	25.4
6H	25.7	26.4	26.3	26.9	27.5	24.4	25.0	24.9	25.5	26.1
8H	26.4	26.9	27.0	27.5	28.1	24.7	25.2	25.3	25.8	26.4
12H	27.0	27.5	27.6	28.1	28.7	24.9	25.4	25.5	26.0	26.7
X=12H Y=4H	24.5	25.2	25.1	25.8	26.4	23.7	24.3	24.2	24.9	25.5
6H	25.8	26.4	26.4	26.9	27.6	24.5	25.1	25.1	25.6	26.3
8H	26.5	27.0	27.1	27.6	28.2	24.9	25.4	25.5	26.0	26.6
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 6253lm ($8\log(F/F_0) = 6.4$).

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

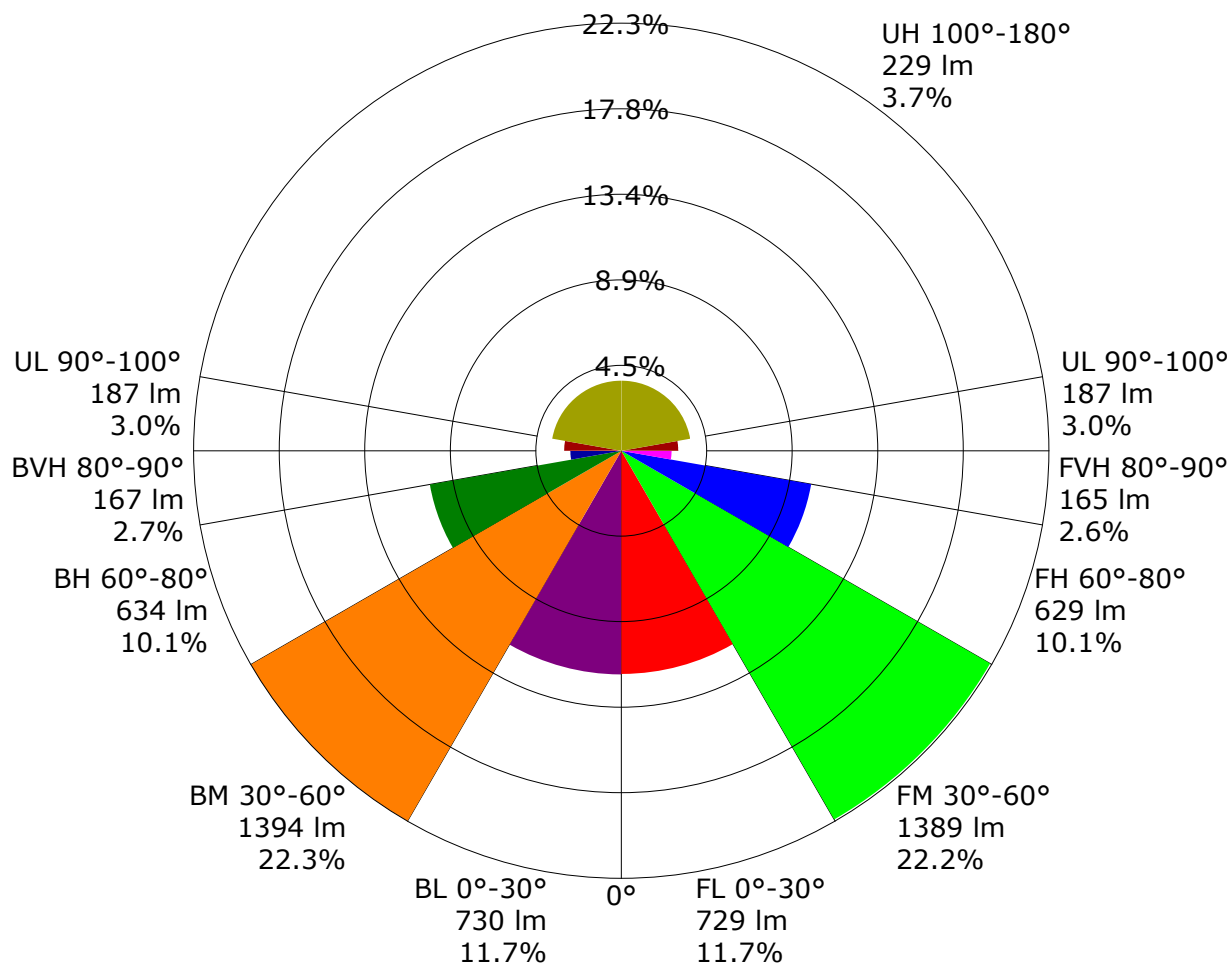
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	2913	46.6
	FL (0°-30°)	729	11.7
	FM (30°-60°)	1389	22.2
	FH (60°-80°)	629	10.1
	FVH (80°-90°)	165	2.6
	BACK LIGHT	2925	46.8
	BL (0°-30°)	730	11.7
	BM (30°-60°)	1394	22.3
	BH (60°-80°)	634	10.1
	BVH (80°-90°)	167	2.7
	UP LIGHT	415	6.6
	UL (90°-100°)	187	3.0
	UH (100°-180°)	229	3.7
	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	0.81	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	0.78	0.82	0.86	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	0.73	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	0.43	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	0.74	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	0.24	
	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	0.94	0.78	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: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	0.25	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	0.23	0.24	0.24	
	0.20		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22	
0.30	0.50	0.20	0.22	0.23	0.23	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	0.24	
	0.20		0.11	0.12	0.13	0.15	0.16	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: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	1887.9	1.8	1.8	0.03	0.03
1.0-2.0	1887.2	5.4	7.2	0.09	0.12
2.0-3.0	1885.7	9.0	16.2	0.14	0.26
3.0-4.0	1883.5	12.6	28.9	0.20	0.46
4.0-5.0	1880.7	16.2	45.0	0.26	0.72
5.0-6.0	1877.1	19.7	64.8	0.32	1.04
6.0-7.0	1872.7	23.2	88.0	0.37	1.41
7.0-8.0	1867.7	26.7	114.7	0.43	1.84
8.0-9.0	1861.9	30.2	144.9	0.48	2.32
9.0-10.0	1855.6	33.6	178.5	0.54	2.85
10.0-11.0	1848.4	36.9	215.5	0.59	3.45
11.0-12.0	1840.5	40.2	255.7	0.64	4.09
12.0-13.0	1832.3	43.5	299.2	0.70	4.78
13.0-14.0	1822.9	46.7	345.8	0.75	5.53
14.0-15.0	1813.0	49.8	395.6	0.80	6.33
15.0-16.0	1802.3	52.8	448.4	0.84	7.17
16.0-17.0	1790.9	55.8	504.2	0.89	8.06
17.0-18.0	1779.5	58.7	562.9	0.94	9.00
18.0-19.0	1767.0	61.5	624.4	0.98	9.99
19.0-20.0	1753.8	64.2	688.6	1.03	11.01
20.0-21.0	1740.6	66.8	755.4	1.07	12.08
21.0-22.0	1726.1	69.4	824.8	1.11	13.19
22.0-23.0	1711.1	71.8	896.6	1.15	14.34
23.0-24.0	1695.5	74.1	970.7	1.19	15.52
24.0-25.0	1679.5	76.4	1047.1	1.22	16.75
25.0-26.0	1663.4	78.5	1125.7	1.26	18.00
26.0-27.0	1646.1	80.5	1206.2	1.29	19.29
27.0-28.0	1628.3	82.4	1288.6	1.32	20.61
28.0-29.0	1610.7	84.3	1372.9	1.35	21.96
29.0-30.0	1592.0	86.0	1458.9	1.37	23.33
30.0-31.0	1572.8	87.5	1546.4	1.40	24.73
31.0-32.0	1553.1	89.0	1635.4	1.42	26.15
32.0-33.0	1532.8	90.3	1725.7	1.44	27.60
33.0-34.0	1513.0	91.6	1817.3	1.46	29.06
34.0-35.0	1491.9	92.7	1910.0	1.48	30.54
35.0-36.0	1470.5	93.6	2003.6	1.50	32.04

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	1449.0	94.5	2098.1	1.51	33.55
37.0-38.0	1426.8	95.2	2193.4	1.52	35.08
38.0-39.0	1404.5	95.9	2289.3	1.53	36.61
39.0-40.0	1381.5	96.4	2385.6	1.54	38.15
40.0-41.0	1358.1	96.7	2482.3	1.55	39.70
41.0-42.0	1335.5	97.0	2579.4	1.55	41.25
42.0-43.0	1311.6	97.2	2676.6	1.55	42.80
43.0-44.0	1287.2	97.2	2773.7	1.55	44.36
44.0-45.0	1263.1	97.1	2870.8	1.55	45.91
45.0-46.0	1238.3	96.9	2967.7	1.55	47.46
46.0-47.0	1213.8	96.5	3064.2	1.54	49.00
47.0-48.0	1188.4	96.1	3160.3	1.54	50.54
48.0-49.0	1163.0	95.5	3255.8	1.53	52.07
49.0-50.0	1138.5	94.9	3350.8	1.52	53.59
50.0-51.0	1112.6	94.1	3444.9	1.51	55.09
51.0-52.0	1086.8	93.3	3538.2	1.49	56.58
52.0-53.0	1061.3	92.3	3630.5	1.48	58.06
53.0-54.0	1035.2	91.3	3721.8	1.46	59.52
54.0-55.0	1009.6	90.1	3811.9	1.44	60.96
55.0-56.0	983.4	88.9	3900.8	1.42	62.38
56.0-57.0	957.4	87.6	3988.3	1.40	63.78
57.0-58.0	932.1	86.2	4074.5	1.38	65.16
58.0-59.0	905.5	84.7	4159.2	1.35	66.51
59.0-60.0	879.4	83.1	4242.3	1.33	67.84
60.0-61.0	853.5	81.5	4323.8	1.30	69.15
61.0-62.0	827.5	79.7	4403.5	1.28	70.42
62.0-63.0	802.6	78.1	4481.6	1.25	71.67
63.0-64.0	776.8	76.2	4557.8	1.22	72.89
64.0-65.0	751.2	74.4	4632.2	1.19	74.08
65.0-66.0	726.9	72.5	4704.7	1.16	75.24
66.0-67.0	701.7	70.6	4775.3	1.13	76.37
67.0-68.0	676.9	68.6	4843.8	1.10	77.46
68.0-69.0	652.2	66.5	4910.4	1.06	78.53
69.0-70.0	627.8	64.5	4974.9	1.03	79.56
70.0-71.0	604.6	62.5	5037.4	1.00	80.56
71.0-72.0	580.8	60.4	5097.8	0.97	81.52

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	557.3	58.3	5156.1	0.93	82.46
73.0-74.0	535.2	56.3	5212.3	0.90	83.36
74.0-75.0	512.5	54.2	5266.5	0.87	84.22
75.0-76.0	490.1	52.0	5318.5	0.83	85.05
76.0-77.0	468.0	49.9	5368.4	0.80	85.85
77.0-78.0	446.4	47.8	5416.2	0.76	86.62
78.0-79.0	426.2	45.8	5462.0	0.73	87.35
79.0-80.0	405.5	43.7	5505.8	0.70	88.05
80.0-81.0	385.3	41.7	5547.4	0.67	88.71
81.0-82.0	366.0	39.7	5587.1	0.63	89.35
82.0-83.0	346.9	37.7	5624.8	0.60	89.95
83.0-84.0	328.6	35.8	5660.6	0.57	90.53
84.0-85.0	310.6	33.9	5694.5	0.54	91.07
85.0-86.0	293.1	32.0	5726.6	0.51	91.58
86.0-87.0	277.0	30.3	5756.9	0.48	92.07
87.0-88.0	260.6	28.6	5785.5	0.46	92.52
88.0-89.0	245.0	26.9	5812.3	0.43	92.95
89.0-90.0	230.7	25.3	5837.6	0.40	93.36
90.0-91.0	217.5	23.8	5861.5	0.38	93.74
91.0-92.0	205.6	22.5	5884.0	0.36	94.10
92.0-93.0	194.1	21.3	5905.3	0.34	94.44
93.0-94.0	183.2	20.1	5925.3	0.32	94.76
94.0-95.0	173.5	19.0	5944.3	0.30	95.06
95.0-96.0	164.0	17.9	5962.2	0.29	95.35
96.0-97.0	154.9	16.9	5979.1	0.27	95.62
97.0-98.0	146.7	16.0	5995.0	0.26	95.87
98.0-99.0	138.7	15.0	6010.1	0.24	96.11
99.0-100.0	131.3	14.2	6024.3	0.23	96.34
100.0-101.0	123.9	13.4	6037.6	0.21	96.55
101.0-102.0	116.8	12.6	6050.2	0.20	96.75
102.0-103.0	110.2	11.8	6062.0	0.19	96.94
103.0-104.0	103.7	11.1	6073.0	0.18	97.12
104.0-105.0	97.5	10.3	6083.4	0.17	97.29
105.0-106.0	91.6	9.7	6093.1	0.15	97.44
106.0-107.0	86.0	9.0	6102.1	0.14	97.59
107.0-108.0	80.8	8.5	6110.6	0.14	97.72

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	75.6	7.9	6118.4	0.13	97.85
109.0-110.0	70.7	7.3	6125.7	0.12	97.96
110.0-111.0	66.3	6.8	6132.5	0.11	98.07
111.0-112.0	62.0	6.3	6138.9	0.10	98.17
112.0-113.0	58.0	5.9	6144.7	0.09	98.27
113.0-114.0	54.2	5.4	6150.2	0.09	98.35
114.0-115.0	50.6	5.1	6155.2	0.08	98.44
115.0-116.0	47.5	4.7	6159.9	0.08	98.51
116.0-117.0	44.4	4.4	6164.3	0.07	98.58
117.0-118.0	41.5	4.0	6168.3	0.06	98.64
118.0-119.0	39.0	3.8	6172.1	0.06	98.70
119.0-120.0	36.6	3.5	6175.6	0.06	98.76
120.0-121.0	34.3	3.2	6178.8	0.05	98.81
121.0-122.0	32.2	3.0	6181.8	0.05	98.86
122.0-123.0	30.2	2.8	6184.6	0.04	98.91
123.0-124.0	28.4	2.6	6187.2	0.04	98.95
124.0-125.0	26.7	2.4	6189.6	0.04	98.99
125.0-126.0	25.3	2.3	6191.9	0.04	99.02
126.0-127.0	24.1	2.1	6194.0	0.03	99.06
127.0-128.0	23.2	2.0	6196.0	0.03	99.09
128.0-129.0	22.5	1.9	6198.0	0.03	99.12
129.0-130.0	22.1	1.9	6199.8	0.03	99.15
130.0-131.0	21.9	1.8	6201.7	0.03	99.18
131.0-132.0	21.8	1.8	6203.5	0.03	99.21
132.0-133.0	21.8	1.8	6205.2	0.03	99.23
133.0-134.0	21.9	1.7	6207.0	0.03	99.26
134.0-135.0	22.0	1.7	6208.7	0.03	99.29
135.0-136.0	22.2	1.7	6210.4	0.03	99.32
136.0-137.0	22.3	1.7	6212.1	0.03	99.34
137.0-138.0	22.4	1.7	6213.7	0.03	99.37
138.0-139.0	22.6	1.6	6215.4	0.03	99.40
139.0-140.0	22.7	1.6	6217.0	0.03	99.42
140.0-141.0	22.8	1.6	6218.6	0.03	99.45
141.0-142.0	23.0	1.6	6220.1	0.03	99.47
142.0-143.0	23.2	1.5	6221.7	0.02	99.50
143.0-144.0	23.3	1.5	6223.2	0.02	99.52

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	23.4	1.5	6224.7	0.02	99.55
145.0-146.0	23.6	1.5	6226.2	0.02	99.57
146.0-147.0	23.7	1.4	6227.6	0.02	99.59
147.0-148.0	23.9	1.4	6229.0	0.02	99.62
148.0-149.0	24.0	1.4	6230.4	0.02	99.64
149.0-150.0	24.1	1.3	6231.7	0.02	99.66
150.0-151.0	24.2	1.3	6233.0	0.02	99.68
151.0-152.0	24.4	1.3	6234.3	0.02	99.70
152.0-153.0	24.5	1.2	6235.6	0.02	99.72
153.0-154.0	24.6	1.2	6236.8	0.02	99.74
154.0-155.0	24.7	1.2	6237.9	0.02	99.76
155.0-156.0	24.8	1.1	6239.1	0.02	99.78
156.0-157.0	24.9	1.1	6240.1	0.02	99.79
157.0-158.0	25.0	1.1	6241.2	0.02	99.81
158.0-159.0	25.1	1.0	6242.2	0.02	99.83
159.0-160.0	25.3	1.0	6243.2	0.02	99.84
160.0-161.0	25.4	0.9	6244.1	0.01	99.86
161.0-162.0	25.5	0.9	6245.0	0.01	99.87
162.0-163.0	25.6	0.8	6245.8	0.01	99.88
163.0-164.0	25.8	0.8	6246.6	0.01	99.90
164.0-165.0	25.9	0.8	6247.4	0.01	99.91
165.0-166.0	26.0	0.7	6248.1	0.01	99.92
166.0-167.0	26.1	0.7	6248.8	0.01	99.93
167.0-168.0	26.2	0.6	6249.4	0.01	99.94
168.0-169.0	26.4	0.6	6250.0	0.01	99.95
169.0-170.0	26.5	0.5	6250.5	0.01	99.96
170.0-171.0	26.6	0.5	6251.0	0.01	99.97
171.0-172.0	26.7	0.4	6251.4	0.01	99.97
172.0-173.0	26.9	0.4	6251.8	0.01	99.98
173.0-174.0	27.0	0.3	6252.1	0.01	99.98
174.0-175.0	27.1	0.3	6252.4	0.00	99.99
175.0-176.0	27.3	0.2	6252.7	0.00	99.99
176.0-177.0	27.4	0.2	6252.8	0.00	100.00
177.0-178.0	27.5	0.1	6253.0	0.00	100.00
178.0-179.0	27.5	0.1	6253.1	0.00	100.00
179.0-180.0	27.6	0.0	6253.1	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°): 2870.81 lm

%lum = 45.9%

%lamp = 45.9%

cone flux(120°): 4242.29 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	1910.7	1896.7	1889.3	1882.6	1877.2	1872.2	1910.7	1896.7	1889.3	1882.6
G1.0	1910.8	1897.4	1889.1	1881.9	1876.2	1871.0	1909.3	1895.6	1888.5	1882.1
G2.0	1910.7	1897.0	1888.2	1880.9	1874.9	1869.5	1907.5	1894.2	1887.7	1881.2
G3.0	1910.0	1896.3	1886.5	1878.0	1872.3	1867.0	1905.3	1892.1	1884.8	1878.9
G4.0	1908.7	1894.5	1884.3	1875.3	1868.8	1864.2	1901.7	1889.4	1881.9	1876.5
G5.0	1906.8	1891.7	1881.2	1871.3	1865.3	1860.8	1898.8	1886.0	1878.4	1872.9
G6.0	1903.8	1888.5	1877.5	1866.4	1860.4	1856.3	1894.0	1881.6	1874.0	1868.3
G7.0	1900.4	1884.6	1872.3	1861.1	1854.9	1851.6	1889.2	1877.2	1868.5	1863.3
G8.0	1896.2	1880.7	1867.1	1855.2	1848.9	1846.3	1883.1	1871.1	1862.1	1857.0
G9.0	1892.1	1875.0	1860.5	1847.6	1841.4	1839.7	1877.4	1865.1	1855.8	1850.4
G10.0	1887.2	1869.9	1853.9	1839.9	1833.9	1833.2	1870.7	1858.7	1848.5	1843.1
G11.0	1880.3	1863.5	1845.7	1830.6	1825.1	1825.2	1863.3	1851.3	1840.0	1833.9
G12.0	1874.3	1856.5	1837.5	1821.8	1815.7	1817.3	1855.8	1843.2	1831.5	1825.0
G13.0	1867.3	1849.5	1828.5	1811.7	1806.2	1809.0	1847.2	1835.0	1821.6	1815.6
G14.0	1859.4	1840.5	1818.4	1799.5	1794.6	1798.9	1837.6	1825.2	1811.2	1804.0
G15.0	1851.7	1832.2	1807.8	1788.4	1783.8	1789.4	1828.5	1815.9	1800.3	1792.9
G16.0	1842.2	1822.2	1795.6	1774.9	1770.5	1778.0	1818.2	1804.4	1787.7	1780.2
G17.0	1833.4	1812.1	1783.8	1761.9	1758.1	1767.2	1808.0	1793.8	1775.2	1767.1
G18.0	1824.1	1801.9	1771.8	1747.8	1745.2	1755.9	1797.2	1782.5	1762.8	1754.3
G19.0	1813.2	1790.2	1757.1	1732.5	1730.1	1742.9	1785.2	1769.7	1747.6	1739.2
G20.0	1802.7	1779.0	1743.8	1718.0	1715.9	1730.4	1772.9	1757.1	1733.9	1724.2
G21.0	1791.7	1766.7	1729.6	1701.8	1700.3	1717.2	1760.8	1744.3	1719.7	1708.9
G22.0	1779.4	1753.0	1713.1	1684.5	1683.8	1702.5	1747.5	1729.9	1702.7	1691.0
G23.0	1767.3	1739.8	1697.8	1667.7	1667.9	1688.6	1733.9	1715.2	1686.9	1674.6
G24.0	1754.3	1725.2	1680.0	1647.9	1648.9	1672.3	1719.4	1699.9	1669.3	1655.7
G25.0	1741.0	1711.7	1663.8	1630.3	1631.9	1657.7	1705.8	1685.3	1651.5	1637.4
G26.0	1728.0	1697.0	1645.6	1611.0	1613.6	1641.5	1690.7	1669.2	1634.5	1619.2
G27.0	1713.4	1680.7	1626.7	1590.2	1593.8	1624.3	1674.9	1651.8	1614.1	1598.8
G28.0	1698.8	1664.7	1609.1	1570.1	1574.1	1607.0	1659.8	1635.4	1595.7	1578.2
G29.0	1684.5	1648.8	1589.6	1549.9	1555.2	1590.5	1643.4	1618.5	1576.7	1558.8
G30.0	1667.5	1631.6	1568.7	1527.5	1533.7	1571.9	1626.1	1600.2	1554.8	1535.6
G31.0	1652.3	1614.3	1549.4	1505.5	1513.0	1553.7	1610.0	1582.0	1535.1	1514.7
G32.0	1634.5	1595.6	1526.4	1482.4	1490.4	1534.4	1590.8	1562.2	1513.0	1491.6
G33.0	1618.8	1577.7	1506.7	1460.7	1468.8	1515.2	1572.9	1543.4	1491.4	1468.8
G34.0	1602.0	1560.3	1485.3	1437.6	1447.6	1496.9	1555.7	1524.3	1469.3	1445.6
G35.0	1582.7	1539.2	1461.9	1412.6	1423.8	1475.5	1534.9	1503.4	1446.0	1420.8
G36.0	1566.3	1520.7	1439.9	1388.4	1401.0	1456.1	1516.6	1484.3	1423.3	1397.9

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	1547.7	1501.3	1417.8	1365.0	1377.5	1435.8	1495.4	1462.2	1398.7	1371.3
G38.0	1527.6	1480.5	1392.6	1338.0	1352.4	1414.0	1476.3	1442.1	1376.3	1347.6
G39.0	1508.7	1460.4	1369.8	1312.7	1328.2	1392.7	1456.8	1420.5	1352.5	1322.2
G40.0	1488.0	1438.3	1343.8	1285.8	1303.0	1370.2	1434.4	1398.1	1327.2	1295.6
G41.0	1468.3	1417.1	1320.6	1260.0	1278.2	1348.3	1414.4	1376.8	1302.6	1269.7
G42.0	1448.8	1397.0	1296.4	1235.3	1254.3	1327.0	1393.0	1354.6	1278.8	1244.8
G43.0	1426.5	1373.2	1270.6	1207.6	1226.7	1302.5	1370.5	1331.2	1251.4	1215.9
G44.0	1405.4	1352.2	1245.3	1180.8	1202.5	1280.7	1349.4	1308.0	1227.2	1190.3
G45.0	1385.1	1330.2	1220.2	1153.9	1176.7	1258.0	1324.8	1284.4	1200.5	1161.8
G46.0	1361.4	1306.1	1193.6	1125.5	1149.6	1233.8	1303.4	1261.0	1174.9	1134.7
G47.0	1340.6	1283.0	1169.1	1098.0	1123.7	1209.9	1280.7	1238.5	1148.8	1108.3
G48.0	1316.2	1259.2	1140.8	1068.9	1096.2	1185.4	1256.9	1212.6	1121.5	1078.2
G49.0	1294.9	1235.4	1116.2	1041.4	1069.8	1162.5	1234.2	1189.8	1096.5	1051.7
G50.0	1272.3	1213.0	1089.7	1014.7	1044.6	1138.5	1212.5	1165.2	1070.0	1023.8
G51.0	1248.2	1187.4	1062.6	984.0	1015.5	1112.3	1187.0	1140.1	1042.3	994.1
G52.0	1225.5	1165.0	1035.9	957.4	990.1	1089.1	1164.7	1117.1	1015.5	967.2
G53.0	1203.7	1140.6	1010.9	929.1	963.4	1065.2	1139.2	1090.9	987.4	936.1
G54.0	1178.8	1114.5	982.3	899.5	935.3	1040.2	1116.5	1067.6	960.5	907.6
G55.0	1156.5	1091.3	955.6	871.0	908.7	1016.0	1093.0	1043.5	935.0	880.1
G56.0	1131.5	1065.2	927.9	841.2	880.5	991.0	1068.5	1018.2	905.6	850.5
G57.0	1109.2	1042.5	902.4	814.1	853.7	966.9	1044.8	995.0	880.0	821.8
G58.0	1084.6	1018.3	874.7	784.3	826.8	942.8	1022.4	970.9	853.3	794.5
G59.0	1060.0	992.4	846.6	753.2	797.6	916.8	996.7	944.5	825.1	763.3
G60.0	1036.5	969.3	820.1	726.0	772.0	894.1	974.1	921.7	798.5	736.0
G61.0	1012.1	943.3	792.7	695.2	743.2	868.2	949.7	896.5	770.5	706.3
G62.0	988.7	919.7	766.4	668.3	718.0	844.5	926.3	872.5	745.1	677.6
G63.0	966.6	897.1	740.3	640.2	691.7	822.1	903.5	849.7	718.7	649.0
G64.0	941.1	871.0	712.8	610.8	664.2	796.7	878.5	824.0	691.5	619.5
G65.0	918.9	848.6	687.1	582.5	638.4	774.5	856.7	801.7	665.6	592.5
G66.0	895.9	825.5	662.7	556.1	612.7	751.6	834.6	778.2	641.6	564.6
G67.0	871.1	800.7	635.0	526.0	586.3	727.6	810.1	754.4	615.5	535.6
G68.0	849.4	778.0	611.5	499.8	562.8	705.0	788.5	732.6	590.7	507.9
G69.0	825.4	754.0	584.8	470.3	536.1	682.0	764.3	708.0	565.1	479.3
G70.0	803.1	731.5	561.9	443.3	512.2	660.0	743.1	686.8	541.1	452.2
G71.0	780.8	709.1	538.1	418.1	489.6	639.0	721.1	664.8	518.4	426.3
G72.0	757.9	686.0	512.7	389.5	464.3	615.7	698.4	641.6	493.1	398.5
G73.0	736.3	664.3	490.7	364.7	442.4	595.6	677.2	620.3	471.4	372.3

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 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	715.4	643.5	468.1	339.2	420.0	574.8	657.2	600.1	448.8	347.7
G75.0	692.0	621.4	444.9	313.0	396.2	553.5	635.3	577.5	425.9	319.8
G76.0	671.7	600.2	423.3	288.2	375.8	533.4	614.8	558.3	404.6	295.9
G77.0	649.0	577.5	401.1	262.0	354.3	512.9	592.7	536.4	382.9	269.0
G78.0	628.6	557.9	380.3	239.5	334.0	493.5	573.7	517.5	362.5	245.9
G79.0	609.1	538.1	361.2	216.4	314.5	474.6	554.1	498.2	343.8	222.5
G80.0	587.1	517.8	339.8	192.8	294.7	455.1	533.7	478.3	322.5	197.4
G81.0	568.6	498.3	320.7	170.8	276.4	436.8	514.5	459.5	304.8	175.9
G82.0	549.1	479.2	303.2	150.8	259.4	419.0	495.2	440.6	285.1	153.5
G83.0	528.9	459.7	284.3	128.3	240.8	400.7	477.0	422.7	268.6	132.4
G84.0	510.2	441.5	266.8	109.4	225.3	384.5	459.9	406.1	251.8	112.2
G85.0	491.1	422.9	248.6	88.4	208.1	366.5	441.0	387.7	235.3	91.9
G86.0	473.1	405.7	233.2	71.0	194.0	350.5	424.5	372.0	219.8	74.3
G87.0	456.2	389.2	217.9	53.7	179.1	335.5	407.8	355.8	205.6	56.7
G88.0	437.4	371.3	202.3	36.9	164.3	319.5	390.4	338.6	190.3	39.7
G89.0	421.3	355.9	188.3	23.4	150.6	304.1	374.2	323.7	177.5	25.2
G90.0	404.7	340.1	175.3	15.4	138.5	289.6	357.6	308.1	163.6	14.9
G91.0	388.0	324.3	160.9	13.1	126.2	273.6	342.5	293.6	151.6	10.9
G92.0	372.0	309.7	149.1	12.1	115.8	260.1	328.1	280.1	140.0	10.0
G93.0	355.3	293.3	135.7	11.1	105.2	245.3	312.5	265.4	129.5	9.4
G94.0	339.8	279.6	125.9	10.4	96.2	234.2	299.3	252.7	120.1	9.2
G95.0	325.4	265.6	116.5	9.8	87.0	223.3	286.6	241.6	111.8	9.0
G96.0	309.2	251.4	107.5	9.1	78.0	211.4	273.7	229.0	102.8	9.0
G97.0	295.9	240.3	99.3	8.8	69.7	201.2	261.7	218.4	95.4	9.1
G98.0	283.8	229.2	91.8	8.6	62.4	191.0	249.2	206.8	87.2	9.4
G99.0	270.5	217.8	84.7	8.5	55.9	180.4	238.4	196.9	80.6	9.5
G100.0	259.3	207.2	77.5	8.8	50.8	170.7	227.5	186.9	74.4	9.8
G101.0	246.9	196.7	70.2	9.1	45.7	160.9	216.2	176.7	67.7	10.0
G102.0	236.2	187.0	63.9	9.2	40.2	151.7	206.1	167.3	62.2	10.3
G103.0	225.5	177.4	58.2	9.5	35.6	142.8	196.4	158.0	56.8	10.5
G104.0	214.5	167.8	52.7	9.8	31.2	132.9	185.8	148.7	51.3	10.8
G105.0	204.3	159.0	48.1	10.0	28.0	124.0	176.0	140.2	46.8	11.1
G106.0	194.0	150.0	43.1	10.3	25.4	115.0	166.4	131.7	42.1	11.3
G107.0	184.3	141.4	39.8	10.5	22.8	107.0	157.8	124.1	37.8	11.5
G108.0	174.9	133.7	36.4	10.7	19.6	99.4	148.9	116.6	33.3	11.8
G109.0	165.3	125.5	32.5	11.1	18.2	91.8	140.1	108.5	29.1	12.1
G110.0	156.7	118.3	28.9	11.3	16.2	84.7	132.3	101.8	25.7	12.3

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 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	148.3	111.2	25.8	11.6	15.2	78.7	124.6	95.1	22.8	12.7
G112.0	139.3	104.1	22.8	11.9	15.2	72.5	116.9	87.9	20.5	12.9
G113.0	131.7	97.4	20.5	12.1	15.3	65.8	109.6	82.2	19.0	13.1
G114.0	123.9	90.7	18.2	12.5	15.5	58.9	102.0	73.1	18.5	13.6
G115.0	116.6	84.7	16.8	12.8	15.7	54.1	95.5	67.1	18.5	13.8
G116.0	109.9	77.9	16.4	13.0	15.9	49.7	88.7	61.5	18.5	14.0
G117.0	102.5	69.5	16.5	13.3	16.0	44.8	82.2	56.1	18.6	14.3
G118.0	96.1	64.1	16.5	13.6	16.2	40.8	76.0	51.1	18.6	14.6
G119.0	89.6	58.7	16.8	13.8	16.4	37.6	70.4	46.7	18.7	14.9
G120.0	83.0	53.5	17.1	14.1	16.6	33.8	64.5	42.1	18.9	15.2
G121.0	76.8	49.2	17.3	14.4	16.8	30.5	59.1	38.3	19.0	15.5
G122.0	70.5	44.5	17.6	14.8	17.1	27.5	53.7	34.3	19.1	15.8
G123.0	65.4	40.8	17.7	15.0	17.3	25.4	48.5	30.7	19.3	16.2
G124.0	60.1	36.9	17.9	15.3	17.4	23.6	43.9	28.0	19.3	16.4
G125.0	54.8	32.9	18.2	15.7	17.7	22.1	39.5	25.5	19.4	16.7
G126.0	49.8	29.9	18.3	16.0	17.8	21.9	35.4	24.3	19.6	17.0
G127.0	45.3	27.0	18.5	16.3	18.1	21.9	31.6	24.0	19.7	17.3
G128.0	40.8	24.5	18.7	16.6	18.2	21.7	28.6	23.9	20.0	17.5
G129.0	36.7	23.1	18.9	17.0	18.4	21.5	26.6	23.8	19.9	17.9
G130.0	32.8	23.0	19.1	17.2	18.6	22.0	25.9	24.0	20.2	18.2
G131.0	29.4	23.0	19.3	17.5	18.8	22.2	25.8	23.9	20.3	18.3
G132.0	26.7	23.1	19.5	17.8	19.0	22.4	25.9	24.1	20.6	18.7
G133.0	25.4	23.2	19.8	18.1	19.2	22.3	25.9	24.1	20.8	19.0
G134.0	25.3	23.3	20.0	18.4	19.4	22.6	25.9	24.3	20.8	19.2
G135.0	25.4	23.4	20.2	18.7	19.6	22.6	25.9	24.4	20.8	19.5
G136.0	25.4	23.6	20.3	19.0	19.7	22.8	26.0	24.5	20.8	19.9
G137.0	25.5	23.7	20.8	19.3	19.9	22.9	26.0	24.5	20.9	20.1
G138.0	25.5	23.8	20.8	19.5	20.0	23.0	26.0	24.6	21.2	20.4
G139.0	25.6	23.9	20.8	19.8	20.1	23.0	26.0	24.7	21.4	20.9
G140.0	25.6	24.0	21.0	20.1	20.4	23.1	26.0	24.7	21.5	20.9
G141.0	25.7	24.1	21.3	20.4	20.6	23.2	26.1	24.9	21.7	20.9
G142.0	25.8	24.3	21.6	20.8	20.9	23.2	26.1	25.0	21.9	21.4
G143.0	25.8	24.4	21.6	20.9	20.9	23.4	26.1	25.0	22.2	21.7
G144.0	25.9	24.4	21.9	20.9	20.9	23.6	26.1	25.1	22.3	21.9
G145.0	25.9	24.6	22.2	21.3	20.9	23.6	26.1	25.1	22.4	22.2
G146.0	26.0	24.6	22.4	21.6	21.2	23.7	26.2	25.2	22.6	22.4
G147.0	26.0	24.8	22.6	21.8	21.5	23.7	26.1	25.2	22.9	22.6

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 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	26.0	25.0	22.9	22.1	21.7	23.8	26.1	25.2	23.0	22.9
G149.0	26.0	25.0	23.1	22.3	21.9	23.9	26.1	25.3	23.2	23.2
G150.0	26.1	25.0	23.2	22.6	22.2	24.0	26.1	25.2	23.3	23.4
G151.0	26.1	25.1	23.4	22.9	22.4	23.9	26.1	25.3	23.6	23.7
G152.0	26.1	25.2	23.6	23.1	22.6	24.0	26.1	25.3	23.8	24.0
G153.0	26.2	25.3	23.8	23.3	22.9	24.0	26.1	25.3	23.9	24.2
G154.0	26.2	25.3	24.0	23.7	23.1	24.0	26.1	25.3	24.1	24.3
G155.0	26.2	25.4	24.2	23.9	23.2	24.0	26.0	25.3	24.3	24.6
G156.0	26.2	25.4	24.4	24.1	23.5	24.0	26.0	25.2	24.4	24.8
G157.0	26.2	25.5	24.6	24.4	23.7	24.0	26.0	25.3	24.5	25.1
G158.0	26.2	25.5	24.7	24.6	23.9	24.0	26.0	25.3	24.7	25.3
G159.0	26.2	25.7	24.8	24.7	24.0	24.1	26.0	25.3	24.8	25.5
G160.0	26.3	25.8	25.1	25.0	24.3	24.3	26.0	25.4	25.0	25.6
G161.0	26.3	25.9	25.2	25.2	24.5	24.4	26.0	25.5	25.2	25.8
G162.0	26.4	26.0	25.4	25.5	24.6	24.5	26.1	25.6	25.3	25.9
G163.0	26.4	26.0	25.5	25.5	24.8	24.6	26.2	25.7	25.4	26.1
G164.0	26.6	26.1	25.7	25.8	25.0	24.7	26.2	25.8	25.6	26.2
G165.0	26.6	26.2	25.9	25.9	25.1	25.0	26.3	26.0	25.7	26.5
G166.0	26.7	26.3	26.0	26.1	25.2	25.1	26.3	26.1	25.8	26.5
G167.0	26.8	26.4	26.2	26.2	25.4	25.2	26.5	26.2	25.9	26.6
G168.0	26.9	26.5	26.2	26.4	25.5	25.3	26.5	26.2	26.1	26.9
G169.0	26.9	26.6	26.5	26.6	25.9	25.4	26.7	26.4	26.2	26.9
G170.0	27.0	26.7	26.5	26.8	26.1	25.4	26.7	26.5	26.5	27.0
G171.0	27.1	26.8	26.7	26.9	26.3	25.6	26.8	26.5	26.7	27.2
G172.0	27.3	26.9	26.7	27.1	26.5	25.8	26.9	26.6	26.8	27.3
G173.0	27.3	27.0	26.9	27.2	26.8	25.9	26.9	26.8	27.0	27.4
G174.0	27.4	27.1	27.0	27.3	27.0	26.3	27.1	27.0	27.3	27.4
G175.0	27.6	27.3	27.1	27.3	27.2	26.6	27.3	27.3	27.3	27.5
G176.0	27.6	27.3	27.2	27.4	27.3	26.9	27.5	27.4	27.5	27.5
G177.0	27.6	27.4	27.3	27.5	27.4	27.0	27.7	27.8	27.5	27.5
G178.0	27.8	27.5	27.4	27.5	27.4	27.2	27.7	27.9	27.6	27.6
G179.0	27.9	27.5	27.5	27.7	27.4	27.3	27.7	27.8	27.6	27.7
G180.0	27.9	27.7	27.5	27.6	27.4	27.3	28.0	27.7	27.6	27.7

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1877.2	1872.2	1910.7							
G1.0	1877.4	1872.3	1910.8							
G2.0	1876.7	1872.1	1910.7							
G3.0	1875.0	1871.1	1910.0							
G4.0	1873.1	1869.1	1908.7							
G5.0	1870.3	1866.6	1906.8							
G6.0	1866.1	1863.6	1903.8							
G7.0	1862.0	1860.3	1900.4							
G8.0	1856.4	1855.6	1896.2							
G9.0	1850.5	1850.9	1892.1							
G10.0	1843.9	1845.6	1887.2							
G11.0	1836.0	1838.8	1880.3							
G12.0	1827.9	1832.1	1874.3							
G13.0	1819.4	1824.9	1867.3							
G14.0	1808.6	1815.9	1859.4							
G15.0	1798.5	1807.6	1851.7							
G16.0	1787.1	1797.7	1842.2							
G17.0	1775.1	1787.8	1833.4							
G18.0	1763.2	1777.7	1824.1							
G19.0	1749.2	1766.1	1813.2							
G20.0	1735.4	1754.4	1802.7							
G21.0	1721.6	1743.1	1791.7							
G22.0	1704.9	1728.7	1779.4							
G23.0	1690.1	1715.9	1767.3							
G24.0	1672.5	1701.4	1754.3							
G25.0	1656.4	1687.5	1741.0							
G26.0	1638.4	1672.7	1728.0							
G27.0	1619.4	1656.5	1713.4							
G28.0	1600.4	1640.3	1698.8							
G29.0	1582.4	1624.7	1684.5							
G30.0	1560.7	1607.4	1667.5							
G31.0	1541.2	1589.9	1652.3							
G32.0	1519.7	1571.2	1634.5							
G33.0	1498.5	1553.2	1618.8							
G34.0	1476.6	1534.8	1602.0							
G35.0	1453.8	1515.0	1582.7							
G36.0	1431.0	1496.7	1566.3							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1406.7	1474.9	1547.7							
G38.0	1384.7	1455.8	1527.6							
G39.0	1361.1	1435.7	1508.7							
G40.0	1336.1	1414.0	1488.0							
G41.0	1311.5	1392.8	1468.3							
G42.0	1288.2	1372.4	1448.8							
G43.0	1262.0	1349.5	1426.5							
G44.0	1236.5	1327.4	1405.4							
G45.0	1209.9	1303.9	1385.1							
G46.0	1185.4	1281.3	1361.4							
G47.0	1159.6	1259.6	1340.6							
G48.0	1131.1	1234.4	1316.2							
G49.0	1106.1	1212.1	1294.9							
G50.0	1079.7	1188.8	1272.3							
G51.0	1052.0	1164.0	1248.2							
G52.0	1025.2	1141.2	1225.5							
G53.0	997.0	1114.8	1203.7							
G54.0	971.7	1091.8	1178.8							
G55.0	944.7	1067.8	1156.5							
G56.0	916.7	1042.8	1131.5							
G57.0	889.9	1018.8	1109.2							
G58.0	863.1	995.9	1084.6							
G59.0	835.0	969.8	1060.0							
G60.0	809.4	947.1	1036.5							
G61.0	780.1	922.0	1012.1							
G62.0	754.4	898.3	988.7							
G63.0	729.0	875.4	966.6							
G64.0	700.3	849.7	941.1							
G65.0	675.5	827.3	918.9							
G66.0	649.4	804.1	895.9							
G67.0	622.4	779.9	871.1							
G68.0	596.9	757.9	849.4							
G69.0	570.6	732.9	825.4							
G70.0	547.1	711.6	803.1							
G71.0	522.9	689.2	780.8							
G72.0	498.0	666.1	757.9							
G73.0	474.5	644.3	736.3							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	452.4	623.7	715.4							
G75.0	427.8	600.7	692.0							
G76.0	406.7	580.8	671.7							
G77.0	383.2	558.3	649.0							
G78.0	363.0	538.9	628.6							
G79.0	342.6	518.8	609.1							
G80.0	320.6	498.6	587.1							
G81.0	302.2	479.2	568.6							
G82.0	281.5	459.8	549.1							
G83.0	264.1	441.3	528.9							
G84.0	246.6	424.2	510.2							
G85.0	229.0	405.0	491.1							
G86.0	212.9	388.7	473.1							
G87.0	198.1	372.0	456.2							
G88.0	182.4	355.0	437.4							
G89.0	168.4	339.0	421.3							
G90.0	154.4	322.9	404.7							
G91.0	141.5	307.8	388.0							
G92.0	129.7	293.7	372.0							
G93.0	116.9	277.8	355.3							
G94.0	106.9	264.6	339.8							
G95.0	98.7	250.9	325.4							
G96.0	90.3	237.3	309.2							
G97.0	83.6	226.5	295.9							
G98.0	76.6	215.3	283.8							
G99.0	70.6	204.7	270.5							
G100.0	64.1	194.6	259.3							
G101.0	57.7	184.6	246.9							
G102.0	51.9	175.1	236.2							
G103.0	47.0	166.6	225.5							
G104.0	42.2	156.7	214.5							
G105.0	38.8	148.5	204.3							
G106.0	35.1	139.6	194.0							
G107.0	32.1	131.6	184.3							
G108.0	29.1	124.2	174.9							
G109.0	26.0	116.3	165.3							
G110.0	23.2	109.5	156.7							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	20.8	102.8	148.3							
G112.0	18.1	95.8	139.3							
G113.0	16.6	89.9	131.7							
G114.0	16.1	83.6	123.9							
G115.0	16.1	77.4	116.6							
G116.0	16.4	69.5	109.9							
G117.0	16.5	63.4	102.5							
G118.0	16.7	58.1	96.1							
G119.0	17.0	53.3	89.6							
G120.0	17.3	48.6	83.0							
G121.0	17.5	44.4	76.8							
G122.0	17.7	40.7	70.5							
G123.0	18.1	36.6	65.4							
G124.0	18.2	33.2	60.1							
G125.0	18.5	29.8	54.8							
G126.0	18.7	27.1	49.8							
G127.0	18.9	24.5	45.3							
G128.0	19.2	23.3	40.8							
G129.0	19.4	23.1	36.7							
G130.0	19.6	23.2	32.8							
G131.0	19.8	23.2	29.4							
G132.0	20.0	23.3	26.7							
G133.0	20.3	23.5	25.4							
G134.0	20.4	23.6	25.3							
G135.0	20.9	23.7	25.4							
G136.0	20.9	23.8	25.4							
G137.0	20.9	23.9	25.5							
G138.0	21.2	24.0	25.5							
G139.0	21.4	24.1	25.6							
G140.0	21.7	24.2	25.6							
G141.0	21.9	24.4	25.7							
G142.0	22.2	24.5	25.8							
G143.0	22.4	24.5	25.8							
G144.0	22.6	24.7	25.9							
G145.0	22.8	24.7	25.9							
G146.0	23.0	24.9	26.0							
G147.0	23.2	25.0	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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	23.4	25.0	26.0							
G149.0	23.6	25.2	26.0							
G150.0	23.8	25.2	26.1							
G151.0	23.9	25.3	26.1							
G152.0	24.1	25.3	26.1							
G153.0	24.3	25.4	26.2							
G154.0	24.5	25.4	26.2							
G155.0	24.7	25.6	26.2							
G156.0	24.8	25.5	26.2							
G157.0	25.1	25.6	26.2							
G158.0	25.2	25.6	26.2							
G159.0	25.3	25.8	26.2							
G160.0	25.4	25.9	26.3							
G161.0	25.6	26.0	26.3							
G162.0	25.8	26.0	26.4							
G163.0	26.0	26.0	26.4							
G164.0	26.0	26.1	26.6							
G165.0	26.2	26.2	26.6							
G166.0	26.2	26.2	26.7							
G167.0	26.4	26.3	26.8							
G168.0	26.5	26.4	26.9							
G169.0	26.6	26.5	26.9							
G170.0	26.7	26.6	27.0							
G171.0	26.7	26.7	27.1							
G172.0	26.8	26.7	27.3							
G173.0	26.9	26.8	27.3							
G174.0	27.0	26.8	27.4							
G175.0	27.1	26.8	27.6							
G176.0	27.2	27.0	27.6							
G177.0	27.4	27.0	27.6							
G178.0	27.4	27.1	27.8							
G179.0	27.4	27.2	27.9							
G180.0	27.4	27.4	27.9							

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:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	17505.80
L 0-180(75) av	21368.90
L 0-180(85) av	44561.70
L 90-270(65) av	11584.81
L 90-270(75) av	10186.51
L 90-270(85) av	8616.65
L 45(65) av	14588.34
L 45(75) av	16291.61
L 45(85) av	29917.11

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