

Report No.: 202601241514

Test Time: 2026-01-24 15:20

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: ASD-LPR-24D50MV-WH-5000K

Voltage: 121.0 V

Current: 0.397 A

Power: 47.75 W

Power Factor: 0.992

Photometric Results

CIE Class: Direct

Measurement Flux: 4186.7 lm

Downward Ratio: 98%

Total Rated Lamp Lumens: 4186.7 lm

Efficiency: 100%

Upward Ratio: 2%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 163.8, 163.7, 164.3, 163.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.9, 113.8, 114.2, 113.5

Luminaire Efficacy Rating (LER): 87.73

Central Intensity: 1401.13 cd

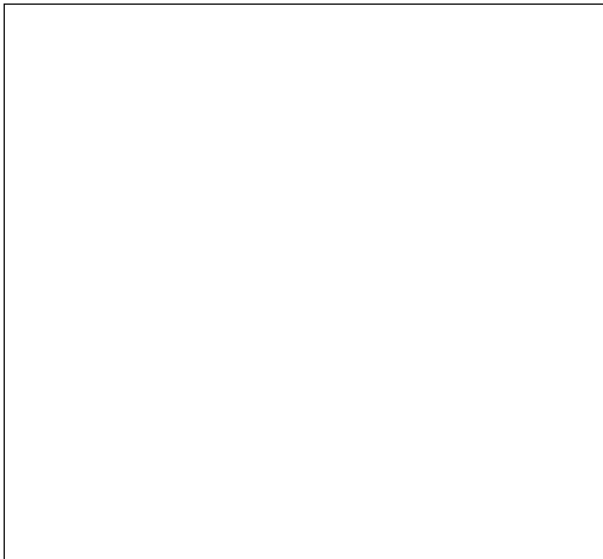
Max. Intensity: 1406.64 cd

Pos of Max. Intensity: H150 V2

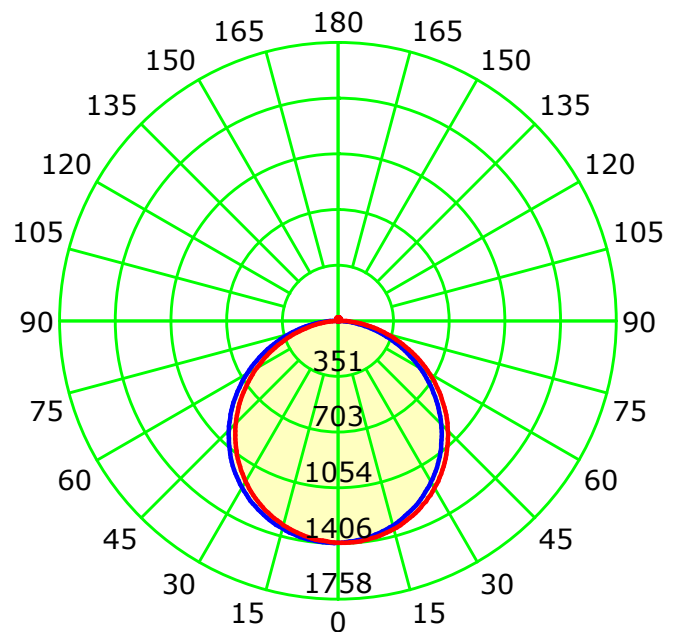
S/MH(C0/C180): 1.27

S/MH(C90/C270): 1.27

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.8°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

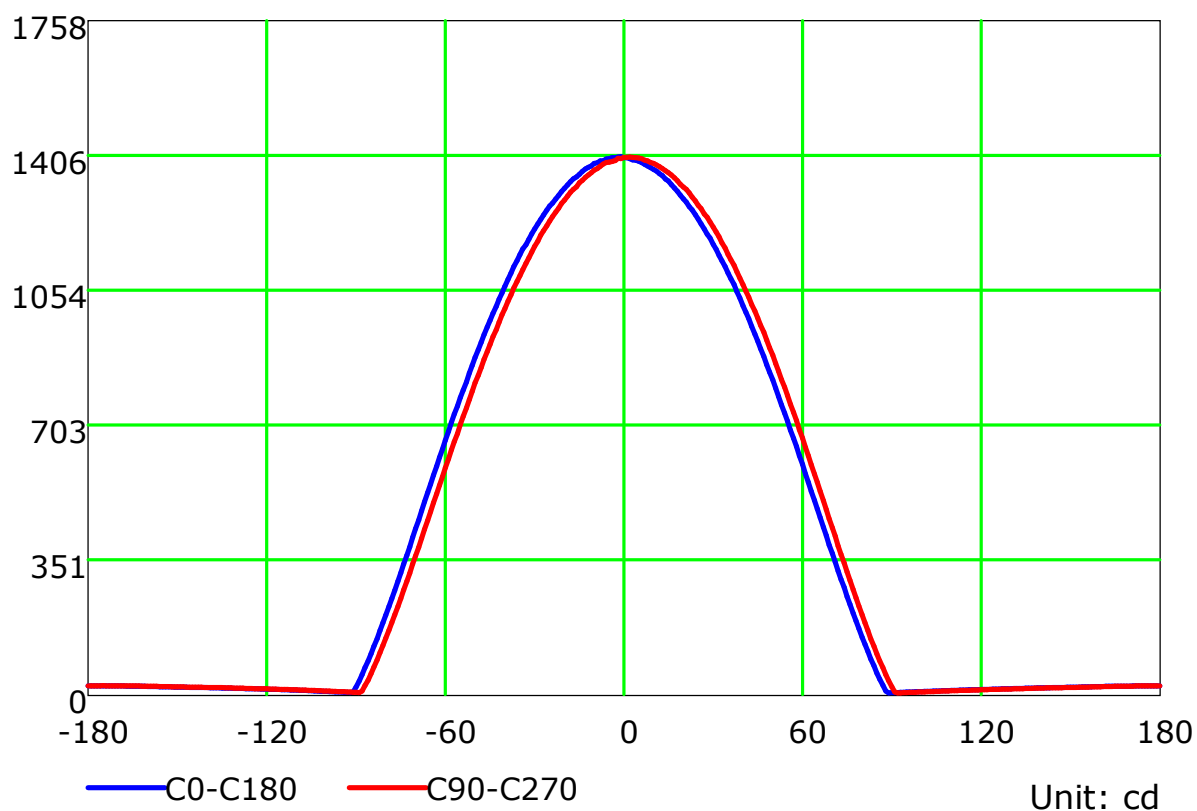
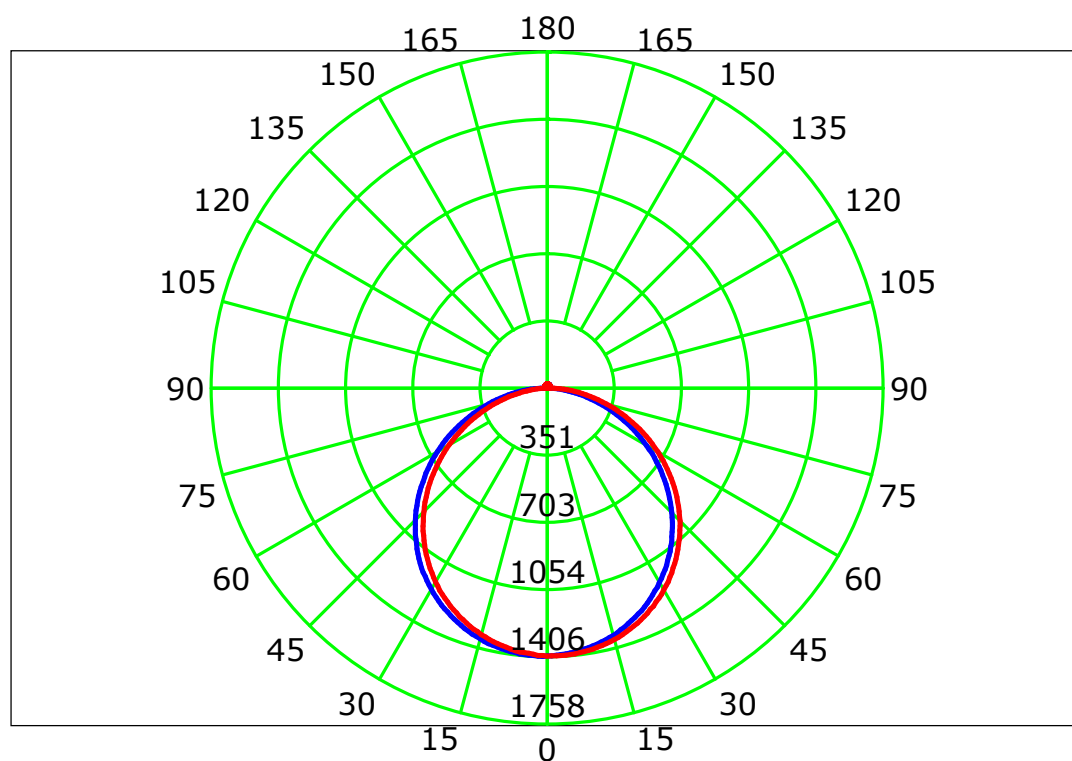
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

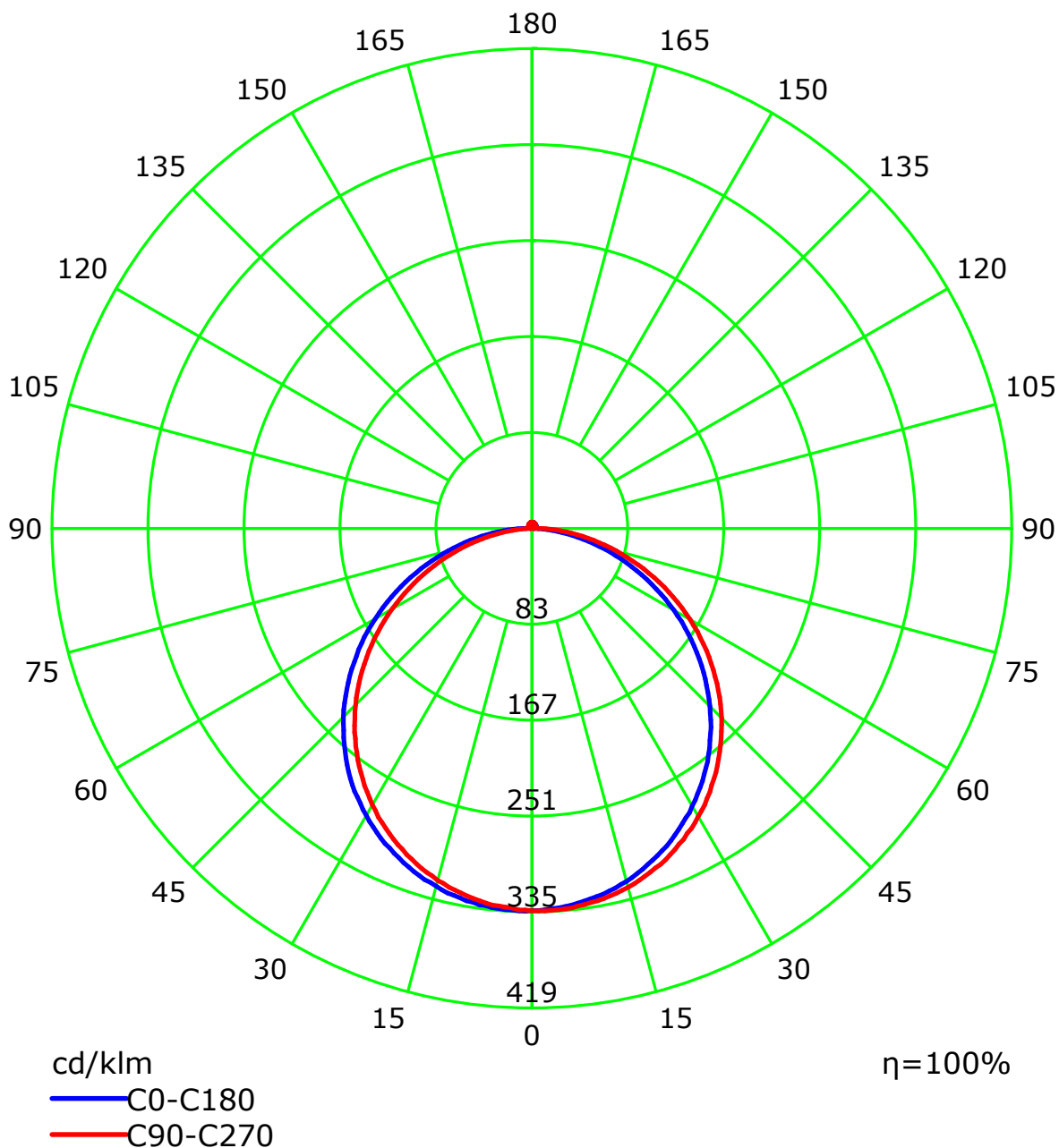
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

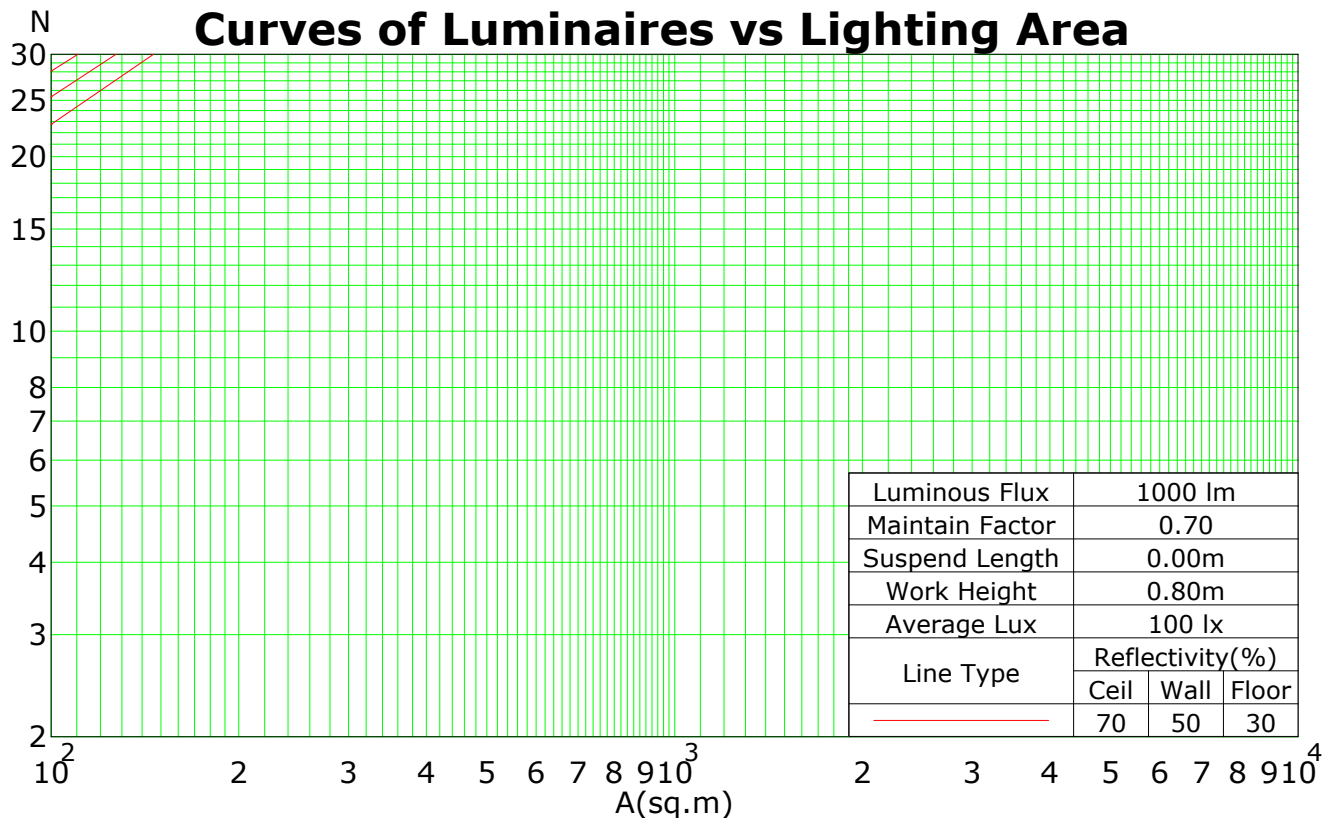
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	81
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	67
3	89	79	70	64	87	77	69	63	73	67	62	70	65	60	68	63	59	57
4	82	69	61	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	51	42	35	62	50	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	42	34	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.39



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

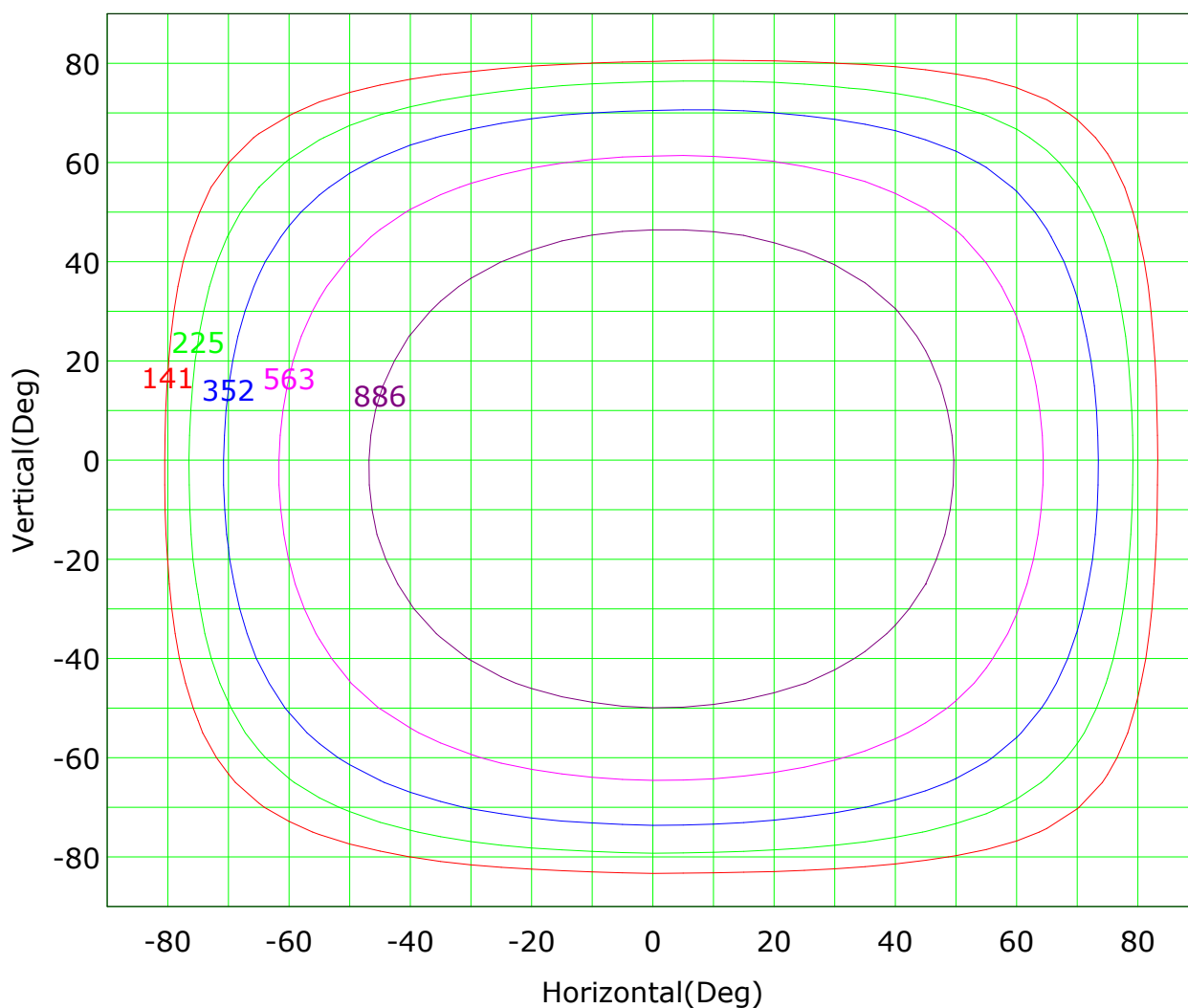
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 1407 cd

(10%): 141 cd	(16%): 225 cd
(25%): 352 cd	(40%): 563 cd
(63%): 886 cd	(100%): 1407 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

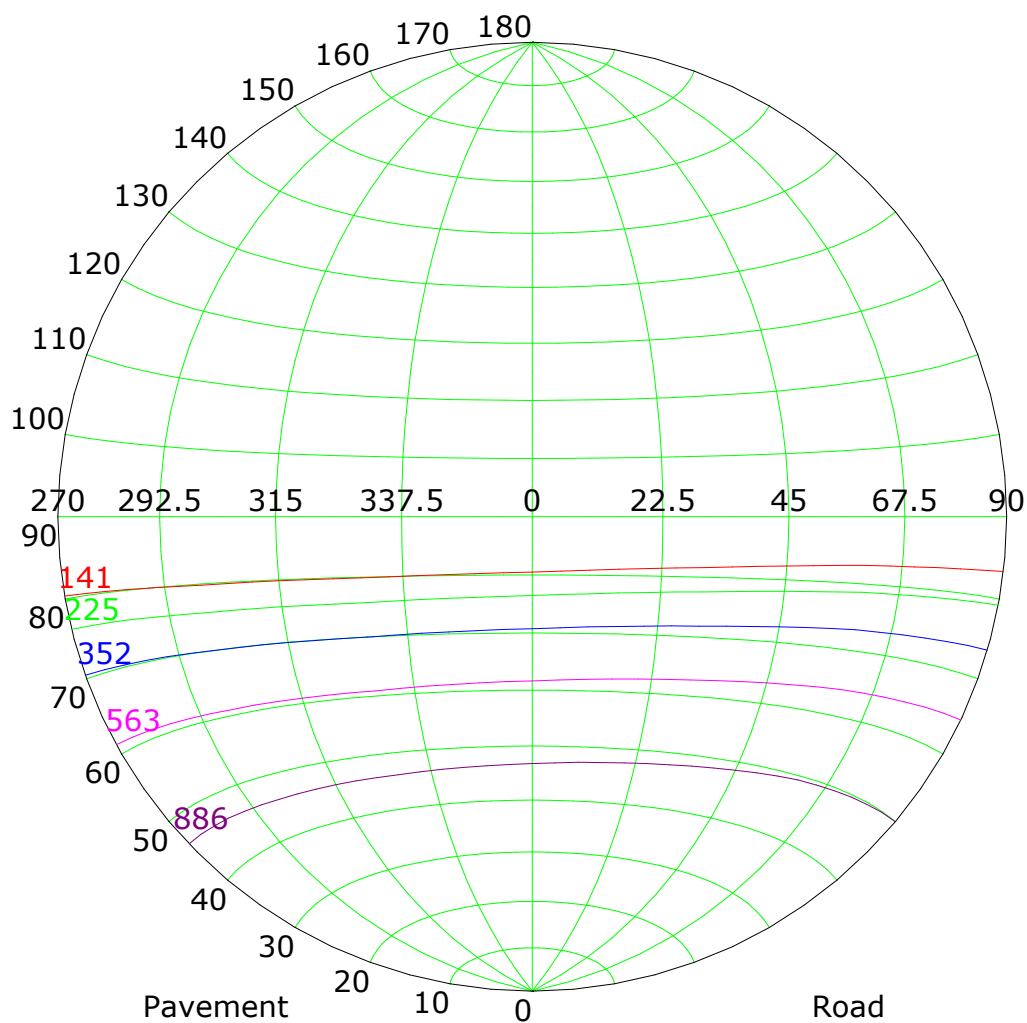
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 1407 cd

(10%): 141 cd	(16%): 225 cd
(25%): 352 cd	(40%): 563 cd
(63%): 886 cd	(100%): 1407 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

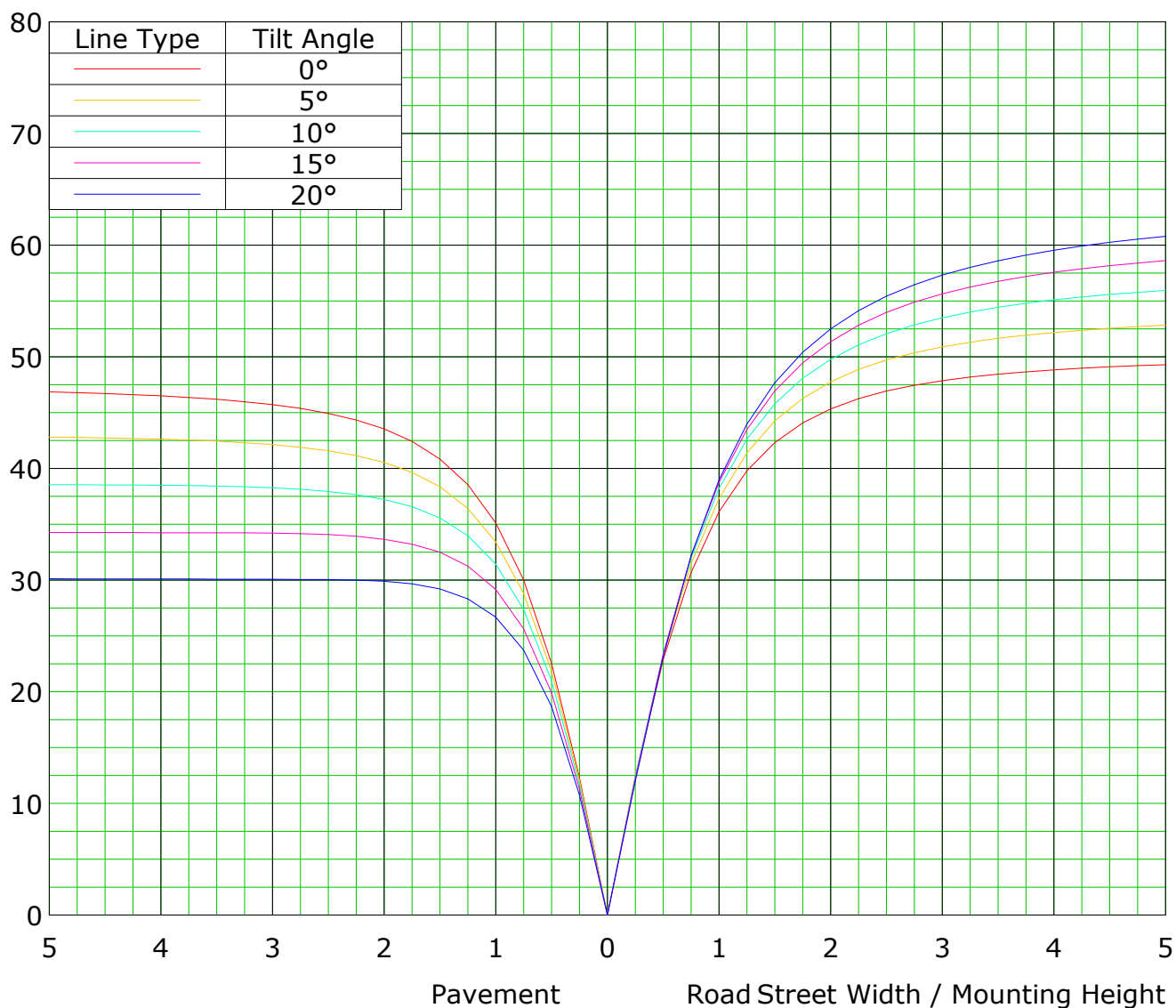
Inspector:

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

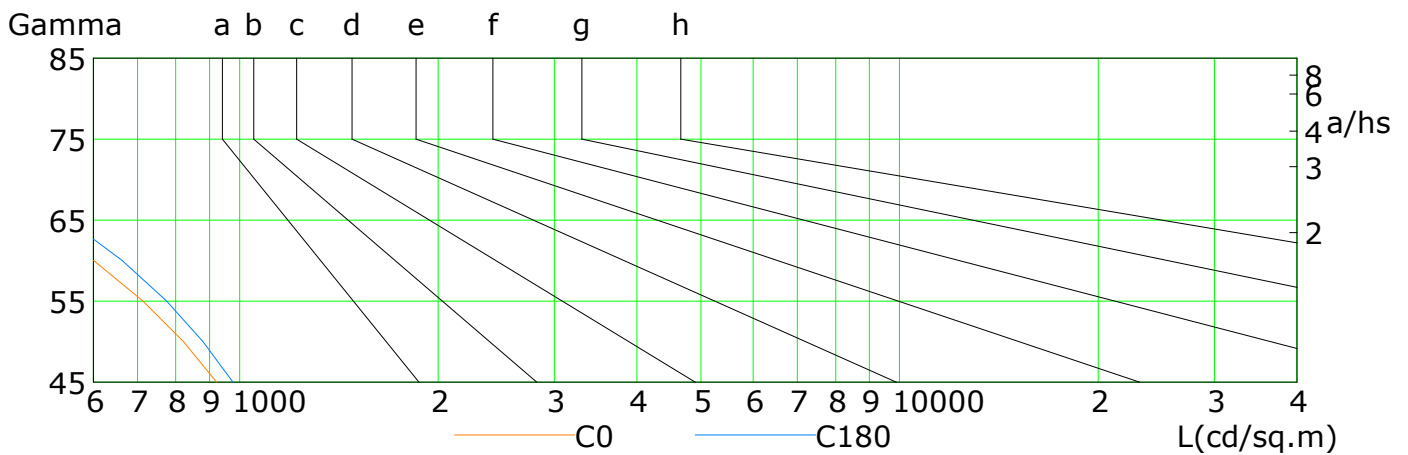
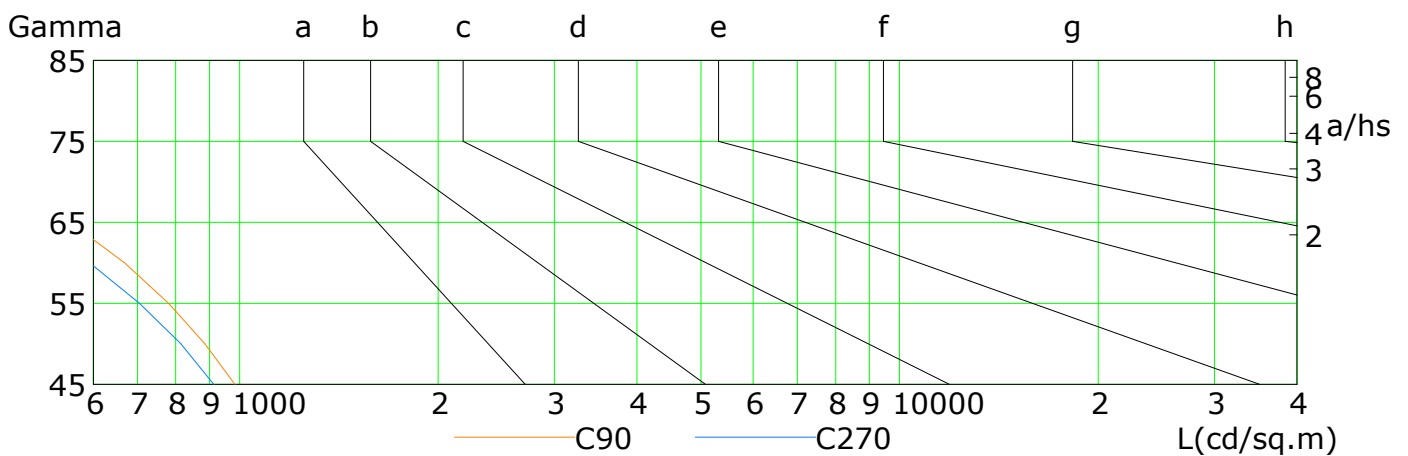
Humidity:

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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	923	822	713	601	485	369	256	150	56
C90	983	886	780	669	554	436	320	209	107
C180	977	880	775	664	549	433	318	208	106
C270	914	814	705	592	478	362	251	147	55

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

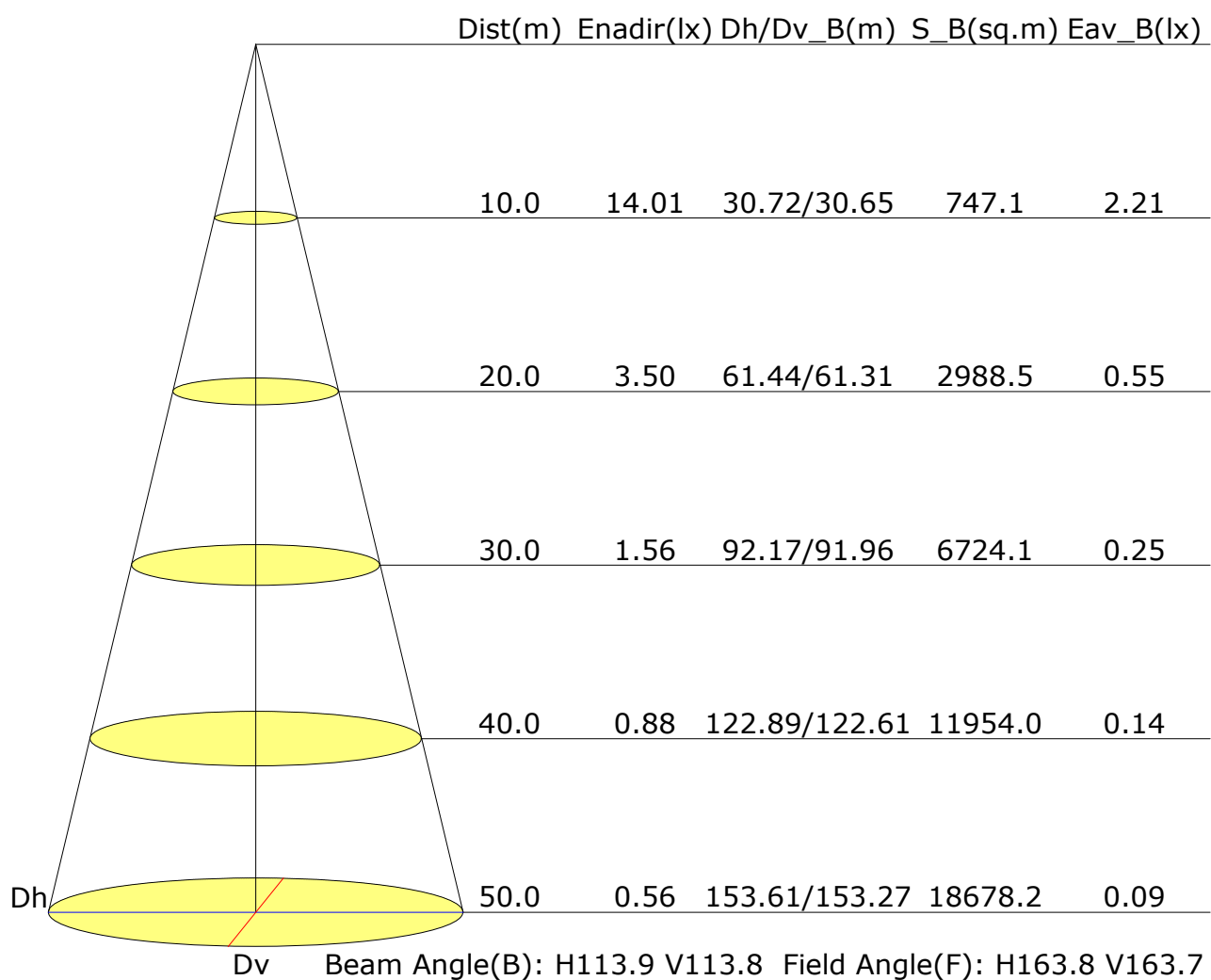
Test Device: GPM-1600L

Distance: 8.432 m

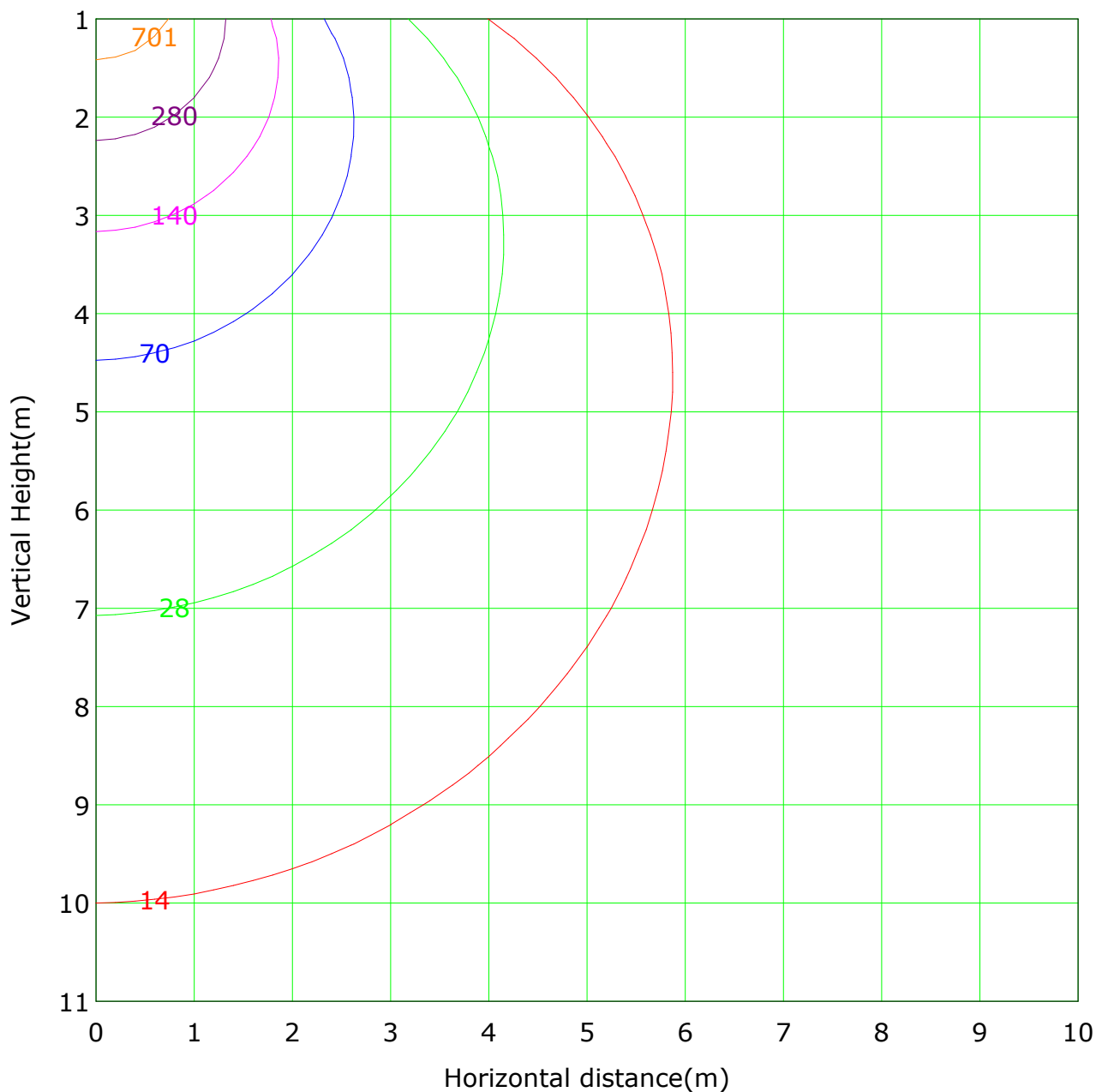
Humidity:

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1401.1 lx

(1%): 14.0 lx	(2%): 28.0 lx
(5%): 70.1 lx	(10%): 140.1 lx
(20%): 280.2 lx	(50%): 700.6 lx
(100%):1401.1 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

Flux(E)	Vertical plane																		Flux(T)	Flux(E)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			
1.7	26.1	76.2	146.6	228.3	310.7	382.6	435.4	461.6	458.8	427.1	369.4	293.8	210.2	129.9	63.4	18.3	0.0		4040		
4.5	29.5	79.4	149.8	231.5	313.9	385.9	438.6	465.1	462.3	430.3	372.8	297.2	221.3	133.3	66.9	22.2	2.4	4099			
0.1	0.3	0.8	1.3	1.8	2.4	2.8	3.2	3.3	3.3	3.0	2.5	1.9	1.3	0.7	0.3	0.1	0.0	29.0	9.6		
0.1	0.7	1.8	3.2	4.8	6.5	8.0	9.1	9.7	9.6	8.9	7.7	6.0	4.2	2.6	1.2	0.4	0.0	84.5	79.7		
0.2	1.1	2.8	5.3	8.2	11.1	13.7	15.7	16.7	16.6	15.4	13.3	10.5	7.5	4.6	2.3	0.7	0.1	145.6	144.0		
0.2	1.5	3.9	7.4	11.5	15.6	19.4	22.1	23.5	23.4	21.8	18.8	14.9	10.6	6.6	3.3	1.1	0.1	205.6	204.7		
0.3	1.8	4.9	9.3	14.5	19.8	24.4	27.8	29.6	29.5	27.5	23.8	18.9	13.6	8.4	4.2	1.4	0.1	259.9	259.3		
0.3	2.1	5.8	11.0	17.1	23.2	28.7	32.6	34.7	34.5	32.2	28.0	22.3	16.0	10.0	5.0	1.7	0.2	305.5	305.0		
0.3	2.3	6.4	12.3	19.1	25.9	31.9	36.3	38.5	38.4	35.8	31.1	24.9	18.0	11.3	5.7	1.9	0.2	340.3	340.0		
0.4	2.5	6.9	13.1	20.4	27.7	34.1	38.7	41.1	40.9	38.2	33.1	26.6	19.2	12.1	6.1	2.1	0.2	363.3	362.9		
0.4	2.6	7.1	13.5	21.0	28.5	35.0	39.8	42.2	42.0	39.2	34.1	27.4	19.8	12.5	6.3	2.1	0.2	373.7	373.4		
0.4	2.6	7.1	13.5	20.9	28.3	34.8	39.5	42.0	41.8	39.0	33.9	27.2	19.7	12.4	6.3	2.1	0.2	371.5	371.2		
0.4	2.5	6.8	12.9	20.0	27.2	33.5	38.0	40.3	40.1	37.4	32.5	26.1	18.9	11.9	6.0	2.0	0.2	356.7	356.4		
0.3	2.3	6.3	12.0	18.6	25.2	31.0	35.2	37.3	37.1	34.6	30.0	24.0	17.3	10.9	5.5	1.8	0.2	329.7	329.3		
0.3	2.1	5.6	10.6	16.5	22.3	27.4	31.2	33.0	32.8	30.6	26.5	21.1	15.2	9.5	4.8	1.6	0.2	291.2	290.7		
0.3	1.8	4.7	8.9	13.8	18.7	22.9	26.1	27.6	27.4	25.5	22.0	17.5	12.5	7.8	3.9	1.3	0.1	243.0	242.3		
0.2	1.4	3.7	7.0	10.7	14.5	17.8	20.2	21.3	21.1	19.6	16.9	13.4	9.5	5.9	2.9	1.0	0.1	187.2	186.1		
0.2	1.0	2.6	4.9	7.4	10.0	12.2	13.8	14.5	14.3	13.2	11.3	8.9	6.3	3.9	1.9	0.6	0.1	127.1	125.0		
0.1	0.6	1.6	2.8	4.2	5.5	6.6	7.4	7.7	7.6	6.9	5.9	4.6	3.2	1.9	0.9	0.3	0.0	67.9	60.0		
0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.3	1.0	0.7	0.4	0.2	0.1	0.0	17.3	0.5		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

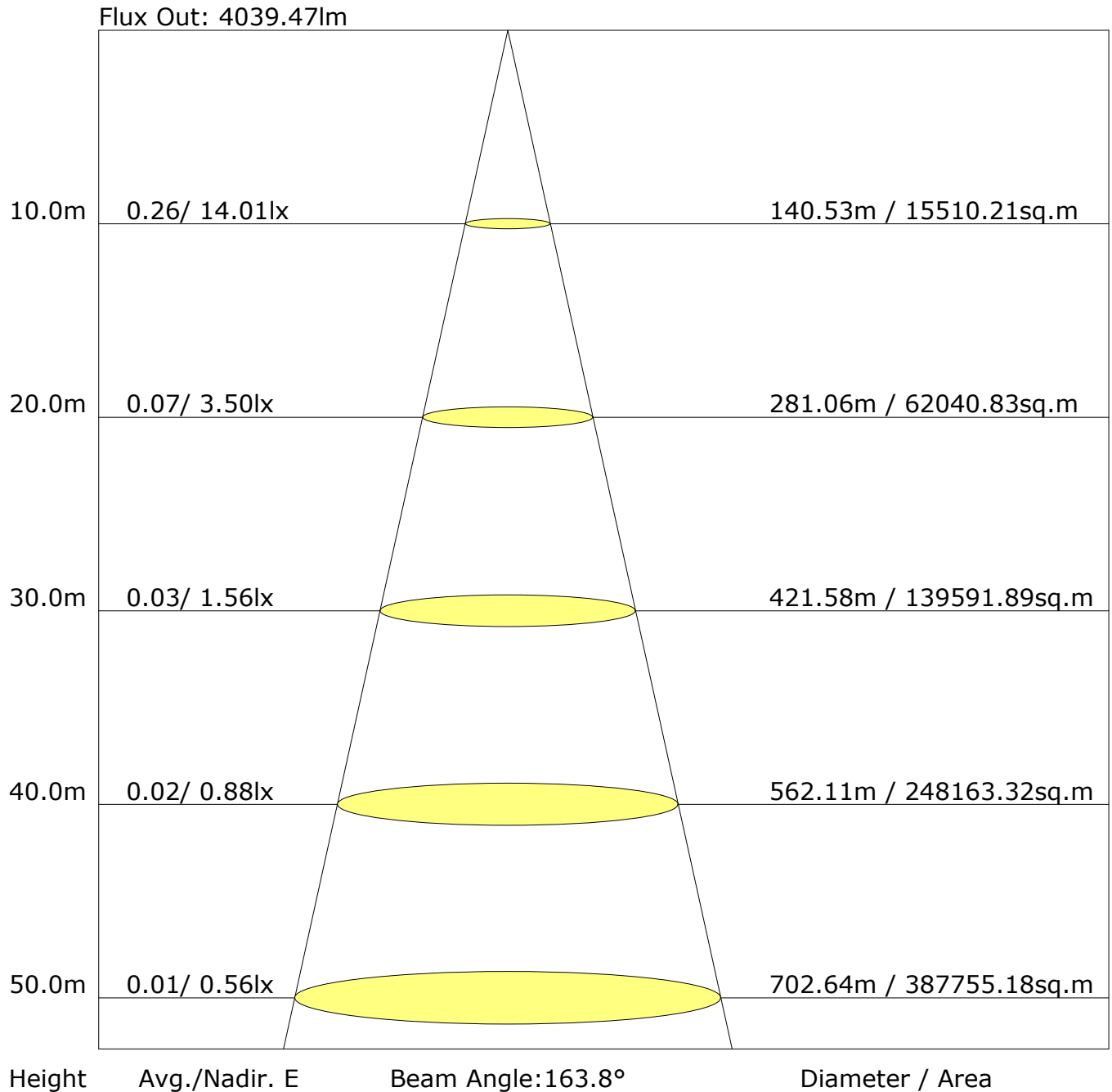
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

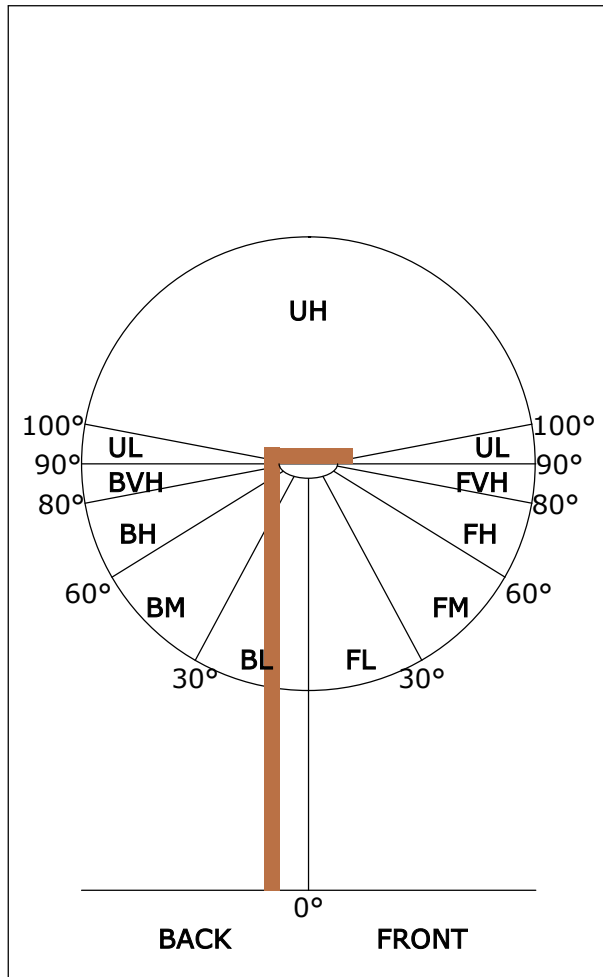
UGR Table

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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 4187lm ($8\log(F/F_0) = 5.0$).

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


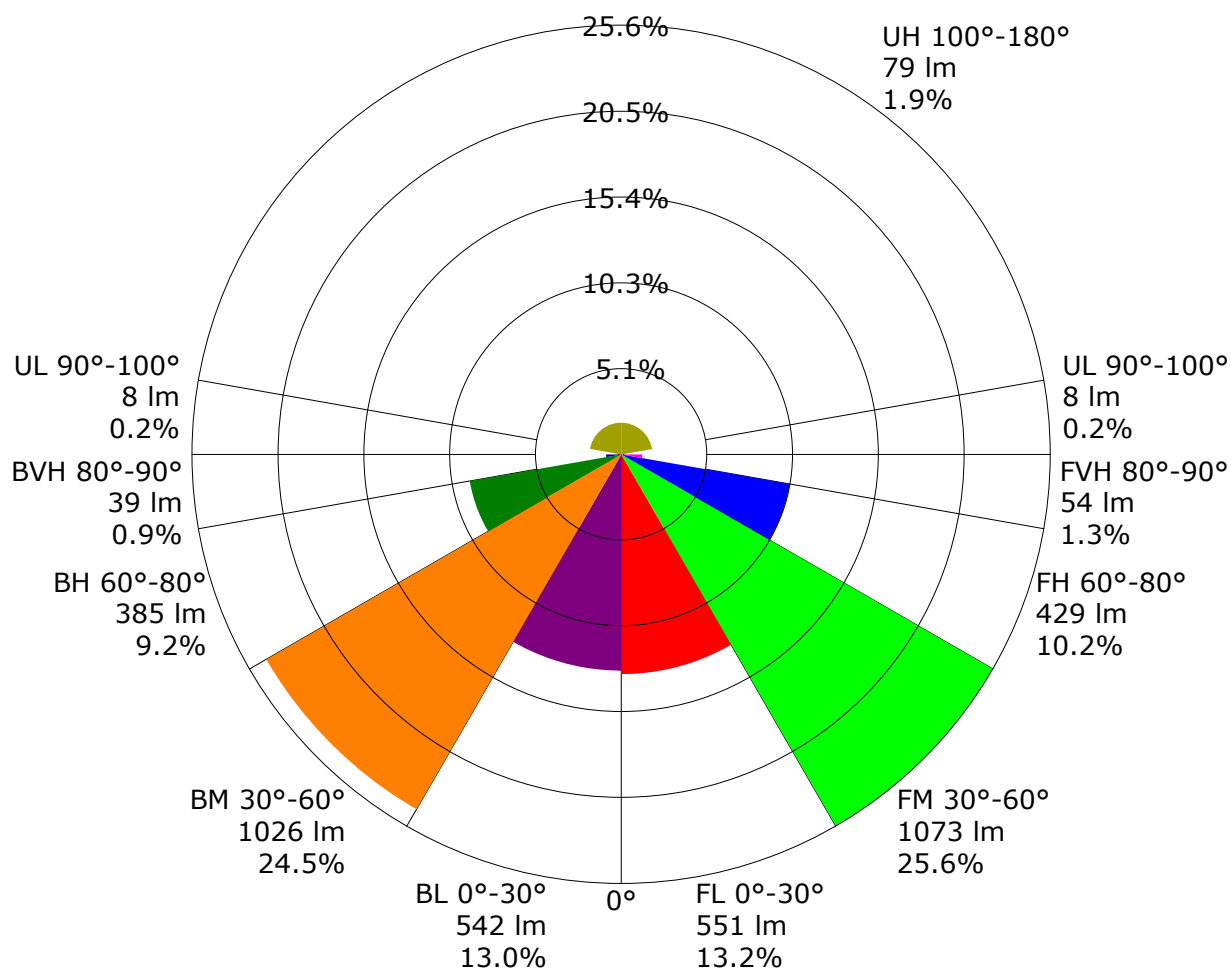
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2108	50.3
FL (0°-30°)	551	13.2
FM (30°-60°)	1073	25.6
FH (60°-80°)	429	10.2
FVH (80°-90°)	54	1.3
BACK LIGHT	1992	47.6
BL (0°-30°)	542	13.0
BM (30°-60°)	1026	24.5
BH (60°-80°)	385	9.2
BVH (80°-90°)	39	0.9
UP LIGHT	87	2.1
UL (90°-100°)	8	0.2
UH (100°-180°)	79	1.9
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

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	0.55	0.66	0.73	0.78	0.86	0.91	0.95	0.99	1.02	
	0.30		0.47	0.58	0.66	0.71	0.80	0.85	0.89	0.95	0.99	
	0.20		0.42	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.54	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.98	
	0.30		0.46	0.57	0.64	0.69	0.77	0.82	0.86	0.91	0.95	
	0.20		0.41	0.51	0.59	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.68	0.73	0.79	0.84	0.87	0.91	0.93	
	0.30		0.46	0.55	0.62	0.67	0.75	0.80	0.83	0.88	0.91	
	0.20		0.41	0.51	0.58	0.63	0.71	0.76	0.80	0.85	0.89	
0.00	0.00	0.00	0.38	0.48	0.55	0.60	0.67	0.72	0.76	0.80	0.84	
Rating:48W 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	1.01	0.83	0.71	0.62	0.50	0.41	0.35	0.28	0.23	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.37	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.18	0.15	
Rating:48W 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	0.18	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.18	0.20	0.20	
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Rating:48W 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	1401.5	1.3	1.3	0.03	0.03
1.0-2.0	1401.0	4.0	5.4	0.10	0.13
2.0-3.0	1399.8	6.7	12.1	0.16	0.29
3.0-4.0	1398.1	9.4	21.4	0.22	0.51
4.0-5.0	1396.4	12.0	33.4	0.29	0.80
5.0-6.0	1394.4	14.7	48.1	0.35	1.15
6.0-7.0	1391.4	17.3	65.4	0.41	1.56
7.0-8.0	1388.0	19.9	85.2	0.47	2.04
8.0-9.0	1384.2	22.4	107.7	0.54	2.57
9.0-10.0	1380.2	25.0	132.6	0.60	3.17
10.0-11.0	1375.7	27.5	160.1	0.66	3.82
11.0-12.0	1370.5	30.0	190.1	0.72	4.54
12.0-13.0	1365.4	32.4	222.5	0.77	5.31
13.0-14.0	1359.4	34.8	257.3	0.83	6.15
14.0-15.0	1352.8	37.1	294.5	0.89	7.03
15.0-16.0	1345.7	39.4	333.9	0.94	7.98
16.0-17.0	1338.2	41.7	375.6	1.00	8.97
17.0-18.0	1330.7	43.9	419.5	1.05	10.02
18.0-19.0	1322.1	46.0	465.5	1.10	11.12
19.0-20.0	1313.1	48.1	513.5	1.15	12.27
20.0-21.0	1304.5	50.1	563.6	1.20	13.46
21.0-22.0	1294.9	52.0	615.7	1.24	14.71
22.0-23.0	1284.6	53.9	669.6	1.29	15.99
23.0-24.0	1274.4	55.7	725.3	1.33	17.32
24.0-25.0	1263.3	57.4	782.7	1.37	18.70
25.0-26.0	1252.2	59.1	841.9	1.41	20.11
26.0-27.0	1240.3	60.7	902.6	1.45	21.56
27.0-28.0	1228.0	62.2	964.7	1.49	23.04
28.0-29.0	1216.0	63.6	1028.4	1.52	24.56
29.0-30.0	1202.7	64.9	1093.3	1.55	26.11
30.0-31.0	1188.9	66.2	1159.5	1.58	27.69
31.0-32.0	1174.7	67.3	1226.8	1.61	29.30
32.0-33.0	1160.5	68.4	1295.2	1.63	30.94
33.0-34.0	1146.4	69.4	1364.6	1.66	32.59
34.0-35.0	1131.2	70.3	1434.8	1.68	34.27
35.0-36.0	1115.5	71.0	1505.9	1.70	35.97

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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	1100.2	71.8	1577.6	1.71	37.68
37.0-38.0	1083.6	72.3	1650.0	1.73	39.41
38.0-39.0	1066.6	72.8	1722.8	1.74	41.15
39.0-40.0	1049.3	73.2	1796.0	1.75	42.90
40.0-41.0	1031.7	73.5	1869.4	1.76	44.65
41.0-42.0	1014.7	73.7	1943.2	1.76	46.41
42.0-43.0	996.3	73.8	2017.0	1.76	48.18
43.0-44.0	977.6	73.8	2090.8	1.76	49.94
44.0-45.0	959.2	73.7	2164.5	1.76	51.70
45.0-46.0	940.0	73.5	2238.0	1.76	53.46
46.0-47.0	920.9	73.3	2311.3	1.75	55.21
47.0-48.0	900.8	72.8	2384.1	1.74	56.94
48.0-49.0	880.4	72.3	2456.4	1.73	58.67
49.0-50.0	860.7	71.8	2528.2	1.71	60.39
50.0-51.0	839.8	71.1	2599.2	1.70	62.08
51.0-52.0	818.4	70.2	2669.5	1.68	63.76
52.0-53.0	796.9	69.3	2738.8	1.66	65.42
53.0-54.0	775.4	68.3	2807.2	1.63	67.05
54.0-55.0	754.5	67.4	2874.5	1.61	68.66
55.0-56.0	732.5	66.2	2940.7	1.58	70.24
56.0-57.0	710.4	65.0	3005.7	1.55	71.79
57.0-58.0	688.9	63.7	3069.4	1.52	73.31
58.0-59.0	666.1	62.3	3131.7	1.49	74.80
59.0-60.0	643.1	60.8	3192.4	1.45	76.25
60.0-61.0	620.0	59.2	3251.6	1.41	77.67
61.0-62.0	597.1	57.5	3309.2	1.37	79.04
62.0-63.0	574.8	55.9	3365.1	1.34	80.38
63.0-64.0	551.4	54.1	3419.2	1.29	81.67
64.0-65.0	528.0	52.3	3471.4	1.25	82.92
65.0-66.0	505.5	50.4	3521.9	1.20	84.12
66.0-67.0	482.1	48.5	3570.4	1.16	85.28
67.0-68.0	458.4	46.4	3616.8	1.11	86.39
68.0-69.0	434.6	44.3	3661.2	1.06	87.45
69.0-70.0	411.2	42.2	3703.4	1.01	88.46
70.0-71.0	389.0	40.2	3743.6	0.96	89.42
71.0-72.0	365.8	38.0	3781.6	0.91	90.33

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	342.6	35.8	3817.5	0.86	91.18
73.0-74.0	320.7	33.7	3851.2	0.81	91.99
74.0-75.0	297.9	31.5	3882.7	0.75	92.74
75.0-76.0	275.5	29.2	3911.9	0.70	93.44
76.0-77.0	253.2	27.0	3938.9	0.64	94.08
77.0-78.0	231.3	24.8	3963.7	0.59	94.67
78.0-79.0	210.6	22.6	3986.3	0.54	95.21
79.0-80.0	189.3	20.4	4006.7	0.49	95.70
80.0-81.0	168.4	18.2	4024.9	0.43	96.14
81.0-82.0	148.8	16.1	4041.1	0.39	96.52
82.0-83.0	128.9	14.0	4055.1	0.33	96.86
83.0-84.0	109.4	11.9	4067.0	0.28	97.14
84.0-85.0	90.5	9.9	4076.9	0.24	97.38
85.0-86.0	72.2	7.9	4084.8	0.19	97.57
86.0-87.0	55.4	6.1	4090.9	0.14	97.71
87.0-88.0	38.9	4.3	4095.1	0.10	97.81
88.0-89.0	25.1	2.7	4097.9	0.07	97.88
89.0-90.0	15.6	1.7	4099.6	0.04	97.92
90.0-91.0	9.2	1.0	4100.6	0.02	97.94
91.0-92.0	6.2	0.7	4101.3	0.02	97.96
92.0-93.0	5.9	0.6	4101.9	0.02	97.98
93.0-94.0	6.2	0.7	4102.6	0.02	97.99
94.0-95.0	6.6	0.7	4103.3	0.02	98.01
95.0-96.0	6.9	0.8	4104.1	0.02	98.03
96.0-97.0	7.2	0.8	4104.9	0.02	98.05
97.0-98.0	7.5	0.8	4105.7	0.02	98.07
98.0-99.0	7.9	0.9	4106.5	0.02	98.09
99.0-100.0	8.2	0.9	4107.4	0.02	98.11
100.0-101.0	8.5	0.9	4108.4	0.02	98.13
101.0-102.0	8.8	1.0	4109.3	0.02	98.15
102.0-103.0	9.1	1.0	4110.3	0.02	98.18
103.0-104.0	9.5	1.0	4111.3	0.02	98.20
104.0-105.0	9.8	1.0	4112.3	0.02	98.22
105.0-106.0	10.1	1.1	4113.4	0.03	98.25
106.0-107.0	10.4	1.1	4114.5	0.03	98.28
107.0-108.0	10.6	1.1	4115.6	0.03	98.30

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 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	10.9	1.1	4116.7	0.03	98.33
109.0-110.0	11.2	1.2	4117.9	0.03	98.36
110.0-111.0	11.4	1.2	4119.1	0.03	98.38
111.0-112.0	11.7	1.2	4120.3	0.03	98.41
112.0-113.0	12.0	1.2	4121.5	0.03	98.44
113.0-114.0	12.2	1.2	4122.7	0.03	98.47
114.0-115.0	12.5	1.2	4123.9	0.03	98.50
115.0-116.0	12.7	1.3	4125.2	0.03	98.53
116.0-117.0	13.0	1.3	4126.5	0.03	98.56
117.0-118.0	13.2	1.3	4127.8	0.03	98.59
118.0-119.0	13.5	1.3	4129.1	0.03	98.62
119.0-120.0	13.7	1.3	4130.4	0.03	98.65
120.0-121.0	14.0	1.3	4131.7	0.03	98.69
121.0-122.0	14.2	1.3	4133.0	0.03	98.72
122.0-123.0	14.4	1.3	4134.3	0.03	98.75
123.0-124.0	14.7	1.3	4135.7	0.03	98.78
124.0-125.0	14.9	1.3	4137.0	0.03	98.81
125.0-126.0	15.1	1.4	4138.4	0.03	98.85
126.0-127.0	15.4	1.4	4139.7	0.03	98.88
127.0-128.0	15.6	1.4	4141.1	0.03	98.91
128.0-129.0	15.8	1.4	4142.4	0.03	98.94
129.0-130.0	16.0	1.4	4143.8	0.03	98.98
130.0-131.0	16.2	1.4	4145.2	0.03	99.01
131.0-132.0	16.4	1.3	4146.5	0.03	99.04
132.0-133.0	16.6	1.3	4147.9	0.03	99.07
133.0-134.0	16.8	1.3	4149.2	0.03	99.10
134.0-135.0	17.0	1.3	4150.5	0.03	99.14
135.0-136.0	17.2	1.3	4151.8	0.03	99.17
136.0-137.0	17.4	1.3	4153.2	0.03	99.20
137.0-138.0	17.6	1.3	4154.5	0.03	99.23
138.0-139.0	17.8	1.3	4155.8	0.03	99.26
139.0-140.0	17.9	1.3	4157.0	0.03	99.29
140.0-141.0	18.1	1.3	4158.3	0.03	99.32
141.0-142.0	18.2	1.2	4159.5	0.03	99.35
142.0-143.0	18.4	1.2	4160.8	0.03	99.38
143.0-144.0	18.5	1.2	4162.0	0.03	99.41

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	18.7	1.2	4163.2	0.03	99.44
145.0-146.0	18.8	1.2	4164.3	0.03	99.47
146.0-147.0	19.0	1.1	4165.5	0.03	99.49
147.0-148.0	19.1	1.1	4166.6	0.03	99.52
148.0-149.0	19.3	1.1	4167.7	0.03	99.55
149.0-150.0	19.5	1.1	4168.8	0.03	99.57
150.0-151.0	19.6	1.1	4169.9	0.03	99.60
151.0-152.0	19.8	1.0	4170.9	0.02	99.62
152.0-153.0	20.0	1.0	4171.9	0.02	99.65
153.0-154.0	20.2	1.0	4172.9	0.02	99.67
154.0-155.0	20.4	1.0	4173.9	0.02	99.69
155.0-156.0	20.6	0.9	4174.8	0.02	99.72
156.0-157.0	20.8	0.9	4175.7	0.02	99.74
157.0-158.0	21.0	0.9	4176.6	0.02	99.76
158.0-159.0	21.1	0.8	4177.4	0.02	99.78
159.0-160.0	21.3	0.8	4178.3	0.02	99.80
160.0-161.0	21.5	0.8	4179.0	0.02	99.82
161.0-162.0	21.7	0.8	4179.8	0.02	99.84
162.0-163.0	21.8	0.7	4180.5	0.02	99.85
163.0-164.0	22.0	0.7	4181.2	0.02	99.87
164.0-165.0	22.1	0.6	4181.9	0.02	99.88
165.0-166.0	22.2	0.6	4182.5	0.01	99.90
166.0-167.0	22.3	0.6	4183.0	0.01	99.91
167.0-168.0	22.4	0.5	4183.6	0.01	99.93
168.0-169.0	22.5	0.5	4184.1	0.01	99.94
169.0-170.0	22.6	0.5	4184.5	0.01	99.95
170.0-171.0	22.7	0.4	4184.9	0.01	99.96
171.0-172.0	22.7	0.4	4185.3	0.01	99.97
172.0-173.0	22.8	0.3	4185.6	0.01	99.97
173.0-174.0	22.9	0.3	4185.9	0.01	99.98
174.0-175.0	22.9	0.2	4186.1	0.01	99.99
175.0-176.0	23.0	0.2	4186.3	0.00	99.99
176.0-177.0	23.0	0.2	4186.5	0.00	100.00
177.0-178.0	23.0	0.1	4186.6	0.00	100.00
178.0-179.0	23.1	0.1	4186.7	0.00	100.00
179.0-180.0	23.1	0.0	4186.7	0.00	100.00

C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.432 m
 Humidity:
 Inspector:

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	1401.1	1399.2	1401.8	1401.8	1402.8	1403.9	1401.1	1399.2	1401.8	1401.8
G1.0	1401.1	1399.4	1401.2	1401.7	1403.5	1404.1	1403.7	1398.6	1401.1	1398.9
G2.0	1399.1	1399.0	1400.6	1402.5	1402.4	1406.6	1402.7	1397.8	1399.3	1399.1
G3.0	1395.6	1398.3	1400.8	1401.6	1402.9	1403.2	1401.0	1397.9	1398.2	1393.8
G4.0	1394.4	1395.1	1398.8	1401.0	1401.3	1402.3	1401.6	1396.5	1397.6	1391.2
G5.0	1391.6	1394.5	1398.6	1400.0	1400.1	1402.0	1399.1	1394.5	1393.3	1389.7
G6.0	1388.4	1390.3	1395.7	1398.9	1398.6	1401.3	1397.7	1392.8	1390.9	1388.8
G7.0	1383.7	1387.1	1393.3	1394.3	1397.1	1397.5	1393.0	1390.3	1387.5	1384.1
G8.0	1379.9	1384.1	1389.3	1392.9	1394.2	1396.0	1393.2	1386.9	1383.3	1378.5
G9.0	1375.1	1380.0	1386.5	1388.6	1393.0	1392.3	1387.8	1382.6	1377.2	1373.2
G10.0	1370.1	1375.1	1382.4	1386.3	1389.1	1391.1	1385.8	1380.0	1373.9	1368.3
G11.0	1365.8	1369.5	1378.7	1381.7	1385.5	1387.4	1379.7	1372.6	1367.6	1362.3
G12.0	1359.2	1364.1	1373.5	1377.7	1380.0	1382.2	1375.8	1370.4	1363.5	1356.1
G13.0	1354.1	1359.2	1372.8	1372.6	1375.9	1377.3	1372.2	1363.6	1356.3	1350.3
G14.0	1345.5	1352.8	1364.2	1367.1	1371.9	1371.0	1365.6	1357.8	1349.4	1341.5
G15.0	1339.9	1346.2	1357.1	1362.1	1365.9	1366.9	1357.8	1352.4	1343.1	1335.7
G16.0	1331.3	1339.1	1348.3	1356.1	1358.7	1361.9	1350.7	1344.8	1334.1	1325.4
G17.0	1321.9	1332.4	1343.3	1348.7	1352.4	1354.2	1346.4	1336.4	1328.9	1318.7
G18.0	1313.7	1322.3	1335.8	1340.9	1345.6	1346.5	1338.2	1329.8	1318.1	1311.0
G19.0	1303.2	1312.3	1327.6	1332.3	1336.3	1340.6	1330.3	1322.6	1308.2	1300.8
G20.0	1293.7	1304.6	1319.2	1324.1	1329.7	1331.3	1321.4	1313.0	1298.9	1290.2
G21.0	1284.7	1295.2	1310.7	1318.2	1321.7	1323.7	1313.0	1304.8	1292.1	1281.8
G22.0	1273.7	1284.2	1302.0	1309.4	1310.3	1313.9	1302.6	1294.2	1278.7	1269.2
G23.0	1265.0	1276.7	1291.5	1298.6	1303.7	1304.9	1293.4	1285.3	1269.3	1259.5
G24.0	1252.9	1265.7	1283.5	1288.8	1291.6	1293.2	1282.6	1274.1	1258.3	1247.5
G25.0	1240.5	1252.7	1271.8	1276.7	1283.1	1282.7	1274.7	1262.7	1248.3	1235.7
G26.0	1228.3	1241.8	1261.0	1268.8	1272.5	1274.2	1263.9	1251.6	1236.9	1223.6
G27.0	1214.6	1229.8	1247.7	1254.6	1261.5	1260.4	1251.3	1238.3	1224.3	1210.9
G28.0	1201.7	1215.8	1237.3	1245.9	1250.0	1251.0	1239.8	1226.9	1210.9	1198.7
G29.0	1191.1	1203.7	1224.1	1233.5	1238.8	1238.2	1228.4	1215.3	1199.4	1183.3
G30.0	1174.8	1189.8	1210.1	1219.7	1224.8	1226.5	1214.7	1201.3	1184.8	1170.2
G31.0	1162.0	1176.1	1196.8	1207.1	1211.1	1212.9	1202.5	1189.4	1172.3	1155.0
G32.0	1146.5	1162.3	1182.0	1195.2	1195.8	1198.1	1188.2	1174.7	1154.3	1139.6
G33.0	1132.2	1148.0	1170.5	1179.1	1185.4	1185.5	1174.4	1160.7	1142.0	1125.8
G34.0	1117.5	1133.9	1155.0	1166.0	1171.9	1171.9	1162.8	1146.9	1126.6	1109.3
G35.0	1100.6	1118.0	1139.2	1148.8	1156.1	1155.5	1147.8	1131.2	1110.8	1092.8
G36.0	1085.4	1101.6	1124.1	1135.2	1141.4	1142.0	1132.5	1115.8	1096.0	1077.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 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	1070.6	1085.7	1109.6	1120.3	1126.3	1127.4	1117.0	1101.1	1078.0	1061.5
G38.0	1051.2	1068.3	1092.4	1103.2	1110.1	1109.6	1100.0	1083.8	1060.7	1042.7
G39.0	1035.2	1052.5	1076.8	1087.5	1093.2	1094.4	1083.6	1067.4	1044.0	1026.6
G40.0	1014.5	1033.8	1058.7	1069.8	1077.4	1076.7	1065.4	1049.0	1024.9	1006.7
G41.0	997.9	1017.8	1043.0	1053.0	1060.7	1059.9	1048.3	1033.3	1007.8	990.8
G42.0	981.0	999.8	1025.9	1036.7	1043.2	1044.5	1032.2	1014.7	991.3	972.0
G43.0	960.9	980.0	1007.1	1018.1	1025.4	1025.5	1012.6	997.0	971.1	951.6
G44.0	940.8	961.6	988.2	1001.0	1007.0	1007.7	995.4	978.6	953.4	934.4
G45.0	922.8	942.7	971.9	983.0	989.1	990.2	977.3	958.9	934.2	913.8
G46.0	902.5	923.4	951.7	963.6	968.6	970.4	959.0	940.3	914.7	895.0
G47.0	882.3	906.6	932.7	945.6	950.5	952.5	939.3	922.0	897.0	875.3
G48.0	861.1	884.2	911.6	925.3	929.7	931.4	918.8	901.1	874.2	853.3
G49.0	841.8	865.4	893.2	905.1	910.3	911.4	899.9	882.9	854.8	833.3
G50.0	821.7	844.1	873.2	885.8	891.0	892.3	879.7	863.5	834.9	814.0
G51.0	799.7	821.7	851.1	864.4	869.2	870.5	859.3	840.3	813.3	791.1
G52.0	778.0	802.0	830.9	843.8	848.4	850.6	838.8	821.6	791.5	769.5
G53.0	756.2	779.1	808.4	822.1	826.7	828.7	815.5	798.3	769.0	748.0
G54.0	735.0	758.4	787.7	802.1	806.6	808.4	794.7	778.9	748.1	726.4
G55.0	713.5	738.0	766.4	780.4	786.3	785.4	775.3	757.0	727.9	705.1
G56.0	690.7	714.2	744.1	757.9	762.4	764.0	752.7	735.1	705.2	681.5
G57.0	668.9	692.6	721.5	735.9	741.9	744.4	732.3	713.3	684.0	660.0
G58.0	647.7	670.8	701.0	715.6	719.5	722.2	710.2	691.9	662.9	638.4
G59.0	623.2	646.3	677.2	691.3	695.7	698.1	686.8	666.9	638.6	615.4
G60.0	601.3	624.9	655.8	669.3	673.2	675.4	664.0	646.7	616.9	591.7
G61.0	576.3	601.2	630.8	645.1	649.2	650.9	640.2	622.9	593.8	568.4
G62.0	554.3	578.6	608.9	623.3	627.8	628.1	619.4	600.8	572.2	546.8
G63.0	531.2	557.0	586.7	600.4	604.7	605.8	596.1	579.3	548.8	524.3
G64.0	507.8	531.5	562.5	576.3	580.2	581.3	572.9	554.7	525.0	500.7
G65.0	484.5	510.4	539.9	554.1	557.1	558.8	549.4	531.8	502.9	477.6
G66.0	462.5	487.2	517.8	530.9	535.6	535.9	527.4	510.5	480.1	455.2
G67.0	437.6	463.4	493.0	506.5	509.8	511.1	503.0	486.7	456.4	431.1
G68.0	415.2	439.7	469.9	483.6	487.1	487.6	480.1	463.4	433.6	408.2
G69.0	390.6	416.8	444.8	458.8	461.4	463.6	455.3	438.1	408.7	384.6
G70.0	369.0	393.4	423.5	435.7	438.7	439.9	432.8	416.3	386.2	362.1
G71.0	346.5	371.7	401.0	413.8	415.9	417.4	410.5	395.0	365.0	340.9
G72.0	322.9	347.0	376.3	388.3	391.3	392.3	385.4	370.3	340.7	317.0
G73.0	300.9	326.0	354.8	366.3	368.5	370.1	363.7	348.4	318.8	296.1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 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	279.9	303.5	331.9	344.0	346.0	347.2	341.4	326.2	296.9	273.6
G75.0	256.2	280.4	308.4	320.4	321.7	323.6	317.6	302.6	273.7	251.1
G76.0	235.7	258.7	286.0	298.3	298.9	300.9	296.3	280.6	253.3	229.9
G77.0	212.5	236.1	262.0	274.5	275.4	277.4	272.0	257.7	229.7	208.2
G78.0	192.5	214.8	241.1	252.5	253.6	255.5	251.3	237.1	209.7	188.5
G79.0	172.1	193.8	219.5	230.8	232.8	234.6	229.9	215.3	188.9	168.2
G80.0	150.1	172.0	197.3	208.6	209.7	211.5	207.7	193.6	167.6	147.3
G81.0	131.4	152.3	176.5	187.7	189.4	190.6	187.6	172.9	147.2	127.9
G82.0	113.2	132.3	156.9	167.8	169.1	170.8	167.1	153.3	128.5	109.6
G83.0	92.7	111.8	135.6	145.9	147.9	149.6	145.8	131.5	108.2	90.6
G84.0	75.5	92.9	115.9	126.9	129.2	130.1	126.3	112.8	89.4	72.7
G85.0	56.4	73.5	95.0	106.8	108.2	110.2	106.1	92.8	70.3	54.8
G86.0	40.4	55.7	77.1	88.2	90.7	91.7	88.3	74.3	52.6	38.4
G87.0	24.6	39.1	59.9	70.8	72.8	74.6	70.2	57.3	36.5	23.6
G88.0	9.7	21.4	40.8	51.8	55.0	55.8	52.1	38.6	19.9	9.4
G89.0	4.8	7.8	25.0	36.0	38.7	40.1	35.4	23.1	6.6	5.7
G90.0	5.1	4.8	10.0	20.3	24.2	24.8	19.3	7.7	5.9	6.1
G91.0	5.5	5.2	4.7	6.8	9.6	10.5	6.8	5.7	6.2	6.4
G92.0	5.7	5.5	4.9	4.7	4.6	4.5	5.7	6.0	6.5	6.8
G93.0	6.1	5.8	5.3	5.0	4.9	4.8	6.1	6.4	6.9	7.1
G94.0	6.3	6.0	5.6	5.3	5.2	5.2	6.3	6.8	7.3	7.5
G95.0	6.7	6.3	5.9	5.6	5.5	5.5	6.7	7.1	7.6	7.9
G96.0	6.9	6.6	6.2	5.9	5.8	5.8	7.1	7.5	8.0	8.2
G97.0	7.3	6.9	6.4	6.2	6.1	6.1	7.4	7.8	8.3	8.6
G98.0	7.6	7.3	6.8	6.5	6.4	6.4	7.8	8.2	8.7	8.9
G99.0	7.9	7.6	7.1	6.8	6.6	6.7	8.2	8.6	9.0	9.3
G100.0	8.1	7.9	7.4	7.1	6.9	6.9	8.5	8.9	9.4	9.6
G101.0	8.5	8.1	7.7	7.5	7.3	7.3	8.9	9.2	9.7	10.0
G102.0	8.8	8.5	8.0	7.7	7.6	7.6	9.2	9.5	10.0	10.3
G103.0	9.1	8.8	8.3	8.1	7.9	7.9	9.5	9.8	10.3	10.6
G104.0	9.4	9.0	8.6	8.3	8.2	8.2	9.9	10.2	10.6	11.0
G105.0	9.7	9.3	9.0	8.7	8.4	8.4	10.3	10.5	10.9	11.3
G106.0	10.0	9.6	9.2	9.0	8.8	8.8	10.6	10.9	11.2	11.6
G107.0	10.2	9.8	9.4	9.3	9.1	9.1	10.9	11.1	11.5	11.8
G108.0	10.4	10.1	9.7	9.5	9.3	9.3	11.2	11.4	11.7	12.1
G109.0	10.8	10.3	10.0	9.9	9.6	9.6	11.5	11.6	12.1	12.4
G110.0	11.1	10.6	10.3	10.1	9.8	9.8	11.7	11.9	12.3	12.7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 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	11.4	10.8	10.6	10.4	10.1	10.0	12.1	12.2	12.5	12.9
G112.0	11.6	11.0	10.9	10.7	10.4	10.4	12.4	12.5	12.8	13.2
G113.0	11.8	11.2	11.1	10.9	10.7	10.6	12.7	12.7	13.1	13.4
G114.0	12.1	11.5	11.4	11.2	10.9	10.9	12.9	13.0	13.3	13.7
G115.0	12.3	11.7	11.5	11.4	11.1	11.1	13.2	13.3	13.5	13.9
G116.0	12.6	12.0	11.7	11.7	11.4	11.4	13.4	13.6	13.8	14.2
G117.0	12.8	12.3	12.0	11.9	11.6	11.7	13.6	13.9	14.1	14.4
G118.0	13.1	12.5	12.2	12.2	11.9	11.9	13.9	14.1	14.2	14.7
G119.0	13.3	12.8	12.5	12.5	12.2	12.3	14.2	14.3	14.5	14.8
G120.0	13.5	13.1	12.8	12.7	12.5	12.5	14.4	14.5	14.7	15.0
G121.0	13.7	13.3	13.0	13.0	12.7	12.7	14.6	14.8	15.0	15.2
G122.0	13.9	13.6	13.2	13.2	13.0	13.0	14.9	15.0	15.2	15.4
G123.0	14.1	13.9	13.5	13.4	13.2	13.3	15.1	15.1	15.4	15.6
G124.0	14.4	14.2	13.8	13.7	13.4	13.5	15.3	15.4	15.7	15.9
G125.0	14.6	14.5	13.9	13.9	13.6	13.8	15.5	15.6	16.0	16.1
G126.0	14.9	14.8	14.2	14.1	13.9	14.0	15.7	15.9	16.2	16.3
G127.0	15.1	15.0	14.4	14.3	14.2	14.3	15.9	16.0	16.4	16.6
G128.0	15.3	15.2	14.7	14.5	14.4	14.4	16.0	16.2	16.6	16.8
G129.0	15.6	15.4	14.9	14.7	14.7	14.7	16.3	16.4	16.8	17.0
G130.0	15.8	15.6	15.1	14.9	15.0	14.9	16.5	16.6	17.0	17.3
G131.0	16.0	15.9	15.3	15.2	15.2	15.2	16.7	16.7	17.2	17.5
G132.0	16.2	16.1	15.6	15.4	15.5	15.3	16.8	16.9	17.4	17.8
G133.0	16.5	16.3	15.8	15.6	15.7	15.6	17.0	17.1	17.6	18.0
G134.0	16.6	16.5	16.1	15.9	15.9	15.9	17.3	17.3	17.8	18.1
G135.0	16.9	16.6	16.3	16.0	16.1	16.0	17.5	17.4	18.0	18.4
G136.0	17.1	16.8	16.4	16.3	16.3	16.2	17.7	17.6	18.1	18.5
G137.0	17.3	17.0	16.6	16.5	16.4	16.4	17.9	17.8	18.2	18.6
G138.0	17.5	17.3	16.8	16.7	16.6	16.6	18.1	18.0	18.4	18.9
G139.0	17.7	17.4	17.0	17.0	16.8	16.7	18.3	18.1	18.5	19.0
G140.0	17.8	17.5	17.2	17.1	17.0	16.9	18.4	18.2	18.7	19.0
G141.0	18.0	17.8	17.4	17.4	17.2	17.0	18.6	18.4	18.9	19.2
G142.0	18.1	17.9	17.6	17.6	17.4	17.3	18.7	18.6	19.0	19.4
G143.0	18.3	18.0	17.7	17.7	17.6	17.5	18.9	18.7	19.1	19.5
G144.0	18.4	18.2	17.9	17.9	17.8	17.7	19.0	18.8	19.3	19.6
G145.0	18.6	18.3	18.1	18.0	17.9	17.8	19.1	19.0	19.4	19.7
G146.0	18.7	18.5	18.3	18.2	18.1	18.0	19.2	19.1	19.5	19.8
G147.0	18.9	18.6	18.4	18.3	18.3	18.1	19.3	19.3	19.6	19.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 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	19.0	18.7	18.6	18.5	18.4	18.3	19.5	19.4	19.8	20.1
G149.0	19.3	19.0	18.9	18.6	18.6	18.5	19.6	19.6	19.9	20.3
G150.0	19.4	19.2	19.0	18.8	18.7	18.7	19.7	19.7	20.1	20.5
G151.0	19.7	19.2	19.2	19.0	18.9	18.9	19.9	19.9	20.2	20.6
G152.0	19.8	19.5	19.4	19.2	19.0	19.2	20.1	20.1	20.4	20.9
G153.0	20.0	19.6	19.5	19.4	19.2	19.3	20.2	20.3	20.6	21.0
G154.0	20.2	19.9	19.8	19.6	19.4	19.5	20.4	20.5	20.9	21.3
G155.0	20.5	20.0	20.0	19.7	19.6	19.7	20.6	20.6	21.0	21.4
G156.0	20.5	20.3	20.2	19.9	19.8	20.0	20.8	20.8	21.2	21.6
G157.0	20.8	20.5	20.5	20.2	20.0	20.1	21.0	21.0	21.3	21.8
G158.0	21.0	20.8	20.8	20.3	20.1	20.4	21.2	21.2	21.5	21.9
G159.0	21.2	20.9	21.0	20.5	20.4	20.5	21.4	21.3	21.7	22.1
G160.0	21.4	21.1	21.2	20.8	20.6	20.8	21.6	21.5	21.9	22.3
G161.0	21.5	21.3	21.4	21.0	20.9	21.0	21.8	21.7	22.0	22.4
G162.0	21.7	21.5	21.5	21.3	21.1	21.3	21.9	21.8	22.1	22.5
G163.0	21.8	21.7	21.6	21.4	21.3	21.4	22.1	22.0	22.2	22.6
G164.0	22.0	21.8	21.8	21.6	21.4	21.6	22.3	22.1	22.4	22.7
G165.0	22.0	21.9	21.9	21.7	21.6	21.8	22.4	22.2	22.5	22.8
G166.0	22.1	22.1	22.0	21.8	21.8	21.8	22.4	22.3	22.5	22.9
G167.0	22.1	22.2	22.1	22.0	21.9	21.9	22.5	22.5	22.5	22.9
G168.0	22.4	22.3	22.2	22.1	22.1	22.0	22.7	22.5	22.7	23.0
G169.0	22.5	22.4	22.2	22.3	22.1	22.1	22.7	22.6	22.8	23.2
G170.0	22.5	22.5	22.4	22.4	22.2	22.2	22.9	22.7	22.9	23.2
G171.0	22.7	22.5	22.5	22.5	22.4	22.4	22.9	22.8	22.9	23.3
G172.0	22.7	22.7	22.5	22.6	22.4	22.4	23.0	22.8	23.0	23.3
G173.0	22.8	22.7	22.7	22.7	22.5	22.5	23.1	22.9	23.0	23.3
G174.0	22.9	22.8	22.7	22.8	22.6	22.5	23.1	22.9	23.0	23.3
G175.0	22.9	22.8	22.8	22.9	22.7	22.7	23.2	23.0	23.0	23.4
G176.0	23.0	22.9	22.9	23.0	22.7	22.7	23.1	23.0	23.1	23.4
G177.0	23.1	23.0	22.9	23.1	22.8	22.8	23.2	23.0	23.1	23.3
G178.0	23.1	23.0	23.0	23.2	22.9	22.9	23.2	23.0	23.1	23.4
G179.0	23.1	23.0	23.0	23.2	22.9	23.0	23.2	23.0	23.1	23.3
G180.0	23.2	23.1	23.0	23.3	22.9	23.0	23.2	23.0	23.1	23.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1402.8	1403.9	1401.1							
G1.0	1401.5	1400.9	1401.1							
G2.0	1398.3	1400.2	1399.1							
G3.0	1397.3	1396.8	1395.6							
G4.0	1393.0	1394.9	1394.4							
G5.0	1391.3	1392.2	1391.6							
G6.0	1387.1	1387.9	1388.4							
G7.0	1384.8	1382.9	1383.7							
G8.0	1379.3	1378.7	1379.9							
G9.0	1374.3	1374.7	1375.1							
G10.0	1370.0	1367.8	1370.1							
G11.0	1363.9	1362.3	1365.8							
G12.0	1356.6	1356.7	1359.2							
G13.0	1348.2	1351.6	1354.1							
G14.0	1342.7	1342.6	1345.5							
G15.0	1334.4	1334.7	1339.9							
G16.0	1324.3	1325.2	1331.3							
G17.0	1317.1	1316.3	1321.9							
G18.0	1309.0	1309.2	1313.7							
G19.0	1298.3	1298.2	1303.2							
G20.0	1288.6	1289.5	1293.7							
G21.0	1279.9	1279.0	1284.7							
G22.0	1265.8	1268.2	1273.7							
G23.0	1255.5	1255.5	1265.0							
G24.0	1243.4	1245.3	1252.9							
G25.0	1231.7	1231.6	1240.5							
G26.0	1218.5	1220.3	1228.3							
G27.0	1206.6	1206.3	1214.6							
G28.0	1192.9	1195.4	1201.7							
G29.0	1180.8	1180.5	1191.1							
G30.0	1165.5	1165.3	1174.8							
G31.0	1150.2	1151.0	1162.0							
G32.0	1135.0	1135.8	1146.5							
G33.0	1119.7	1120.8	1132.2							
G34.0	1103.3	1105.3	1117.5							
G35.0	1089.0	1088.6	1100.6							
G36.0	1070.8	1072.5	1085.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1055.1	1056.7	1070.6							
G38.0	1036.8	1037.4	1051.2							
G39.0	1019.8	1021.7	1035.2							
G40.0	1000.8	1002.4	1014.5							
G41.0	984.2	984.1	997.9							
G42.0	964.0	965.9	981.0							
G43.0	945.3	945.9	960.9							
G44.0	926.3	927.4	940.8							
G45.0	906.3	907.9	922.8							
G46.0	885.6	887.7	902.5							
G47.0	867.0	868.3	882.3							
G48.0	844.6	845.6	861.1							
G49.0	824.9	824.8	841.8							
G50.0	803.8	806.1	821.7							
G51.0	782.1	781.6	799.7							
G52.0	760.5	761.5	778.0							
G53.0	737.1	739.3	756.2							
G54.0	717.2	716.8	735.0							
G55.0	695.9	696.5	713.5							
G56.0	672.1	673.4	690.7							
G57.0	650.4	651.8	668.9							
G58.0	628.0	628.8	647.7							
G59.0	604.0	606.0	623.2							
G60.0	582.6	582.8	601.3							
G61.0	558.2	558.8	576.3							
G62.0	536.3	536.9	554.3							
G63.0	513.1	513.6	531.2							
G64.0	489.4	490.1	507.8							
G65.0	466.7	467.3	484.5							
G66.0	444.8	444.6	462.5							
G67.0	419.6	420.6	437.6							
G68.0	397.0	397.4	415.2							
G69.0	372.5	373.6	390.6							
G70.0	351.0	351.0	369.0							
G71.0	328.7	329.4	346.5							
G72.0	305.8	305.0	322.9							
G73.0	283.6	284.2	300.9							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	262.6	262.4	279.9							
G75.0	239.4	239.8	256.2							
G76.0	219.2	219.0	235.7							
G77.0	197.7	197.2	212.5							
G78.0	177.4	177.7	192.5							
G79.0	158.4	157.8	172.1							
G80.0	137.0	137.5	150.1							
G81.0	119.0	118.5	131.4							
G82.0	100.6	100.9	113.2							
G83.0	82.0	82.3	92.7							
G84.0	65.7	65.1	75.5							
G85.0	48.6	48.0	56.4							
G86.0	33.0	32.3	40.4							
G87.0	18.5	18.5	24.6							
G88.0	6.4	6.1	9.7							
G89.0	5.8	5.8	4.8							
G90.0	6.1	6.2	5.1							
G91.0	6.5	6.5	5.5							
G92.0	6.8	6.9	5.7							
G93.0	7.3	7.3	6.1							
G94.0	7.6	7.6	6.3							
G95.0	7.9	8.0	6.7							
G96.0	8.3	8.3	6.9							
G97.0	8.6	8.7	7.3							
G98.0	9.0	9.1	7.6							
G99.0	9.3	9.4	7.9							
G100.0	9.6	9.7	8.1							
G101.0	10.0	10.1	8.5							
G102.0	10.4	10.4	8.8							
G103.0	10.7	10.7	9.1							
G104.0	11.0	11.0	9.4							
G105.0	11.3	11.2	9.7							
G106.0	11.6	11.5	10.0							
G107.0	11.9	11.8	10.2							
G108.0	12.1	12.1	10.4							
G109.0	12.4	12.4	10.8							
G110.0	12.7	12.8	11.1							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	12.9	13.0	11.4							
G112.0	13.2	13.3	11.6							
G113.0	13.4	13.5	11.8							
G114.0	13.7	13.8	12.1							
G115.0	13.9	14.0	12.3							
G116.0	14.2	14.3	12.6							
G117.0	14.4	14.5	12.8							
G118.0	14.6	14.7	13.1							
G119.0	14.8	14.9	13.3							
G120.0	15.0	15.2	13.5							
G121.0	15.3	15.4	13.7							
G122.0	15.6	15.6	13.9							
G123.0	15.9	15.9	14.1							
G124.0	16.2	16.1	14.4							
G125.0	16.3	16.3	14.6							
G126.0	16.5	16.5	14.9							
G127.0	16.8	16.7	15.1							
G128.0	17.0	16.9	15.3							
G129.0	17.1	17.1	15.6							
G130.0	17.4	17.4	15.8							
G131.0	17.5	17.5	16.0							
G132.0	17.7	17.7	16.2							
G133.0	17.9	17.9	16.5							
G134.0	18.0	18.1	16.6							
G135.0	18.2	18.3	16.9							
G136.0	18.4	18.4	17.1							
G137.0	18.5	18.5	17.3							
G138.0	18.7	18.7	17.5							
G139.0	18.9	18.8	17.7							
G140.0	19.0	19.0	17.8							
G141.0	19.1	19.2	18.0							
G142.0	19.3	19.3	18.1							
G143.0	19.5	19.4	18.3							
G144.0	19.6	19.5	18.4							
G145.0	19.7	19.7	18.6							
G146.0	19.8	19.8	18.7							
G147.0	20.0	19.9	18.9							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	20.2	20.0	19.0							
G149.0	20.3	20.2	19.3							
G150.0	20.5	20.4	19.4							
G151.0	20.6	20.5	19.7							
G152.0	20.9	20.8	19.8							
G153.0	21.0	20.9	20.0							
G154.0	21.2	21.1	20.2							
G155.0	21.3	21.2	20.5							
G156.0	21.5	21.3	20.5							
G157.0	21.7	21.6	20.8							
G158.0	21.8	21.6	21.0							
G159.0	21.9	21.8	21.2							
G160.0	22.1	22.1	21.4							
G161.0	22.1	22.2	21.5							
G162.0	22.2	22.3	21.7							
G163.0	22.3	22.4	21.8							
G164.0	22.5	22.5	22.0							
G165.0	22.5	22.5	22.0							
G166.0	22.7	22.7	22.1							
G167.0	22.7	22.6	22.1							
G168.0	22.8	22.7	22.4							
G169.0	22.8	22.8	22.5							
G170.0	22.9	22.8	22.5							
G171.0	22.9	22.9	22.7							
G172.0	22.9	22.9	22.7							
G173.0	23.0	22.9	22.8							
G174.0	23.0	22.9	22.9							
G175.0	23.0	22.9	22.9							
G176.0	23.0	23.0	23.0							
G177.0	23.0	22.9	23.1							
G178.0	23.0	23.0	23.1							
G179.0	23.0	23.0	23.1							
G180.0	23.0	22.9	23.2							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator: OQC1

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector: