

Report No.: 202602241311

Test Time: 2026-02-24 13:11

Luminaire Property

Luminaire Manufacturer:

Voltage: 120.9 V

Power: 29.14 W

Current: 0.247 A

Power Factor: 0.975

Photometric Results

CIE Class: Direct

Measurement Flux: 2450.3 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.4, 164.4, 164.7, 164.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.9, 113.9, 114.4, 113.6

Luminaire Efficacy Rating (LER): 84.14

Max. Intensity: 815.73 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 2450.3 lm

Efficiency: 100%

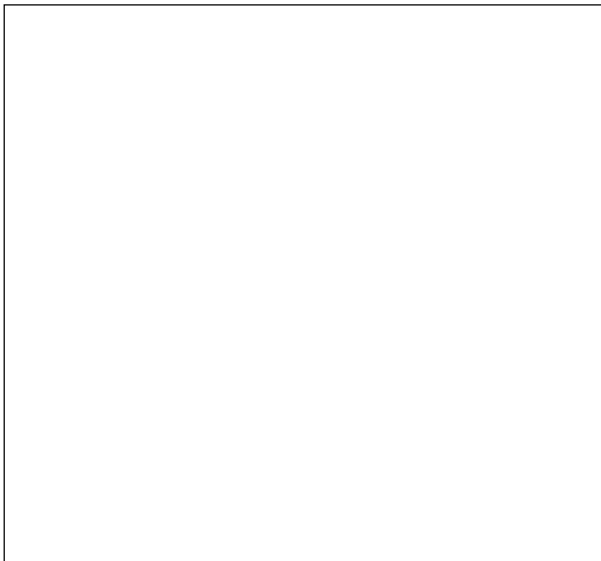
Upward Ratio: 2%

Central Intensity: 815.29 cd

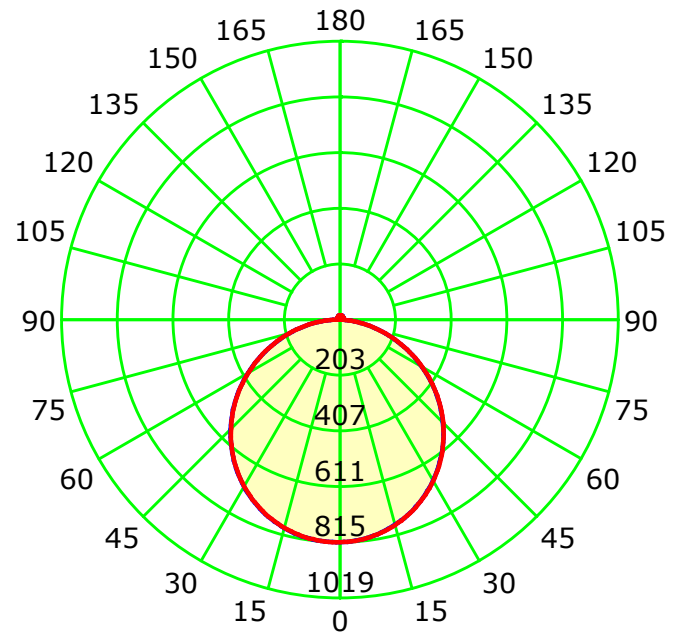
Pos of Max. Intensity: H210 V3

S/MH(C90/C270): 1.26

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 113.9°

— 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

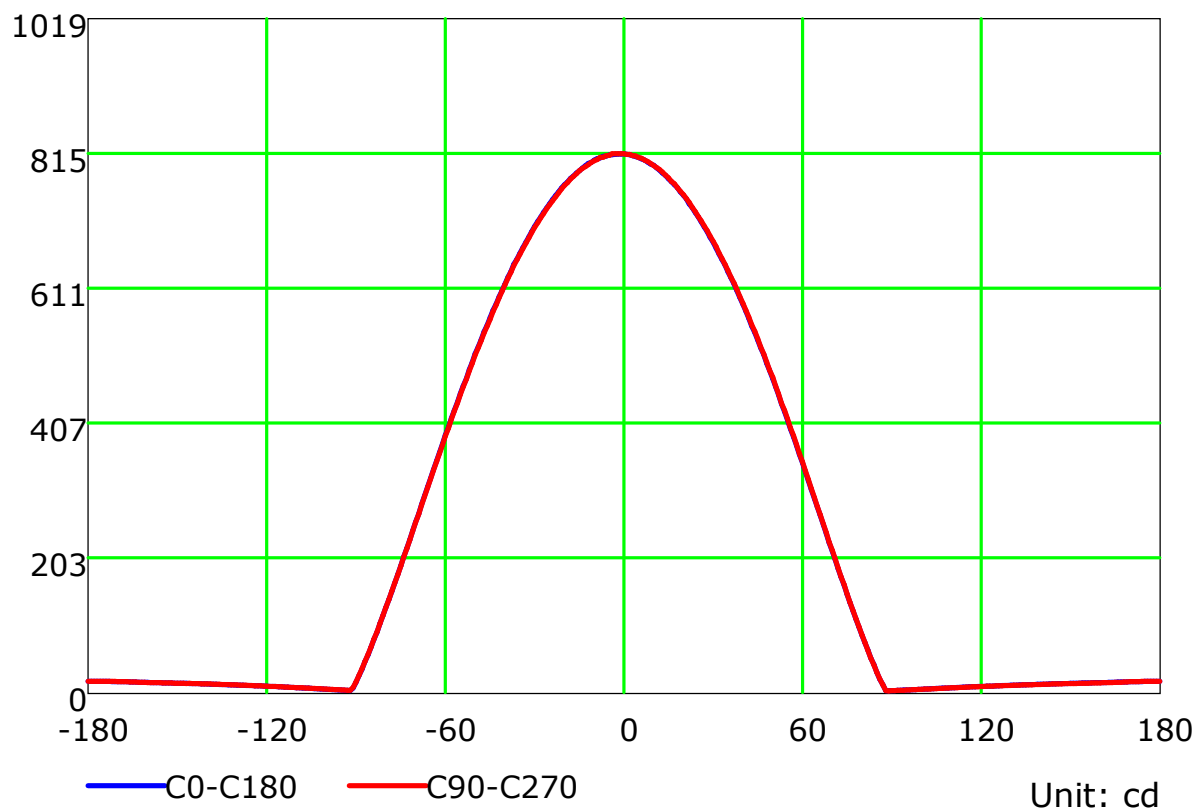
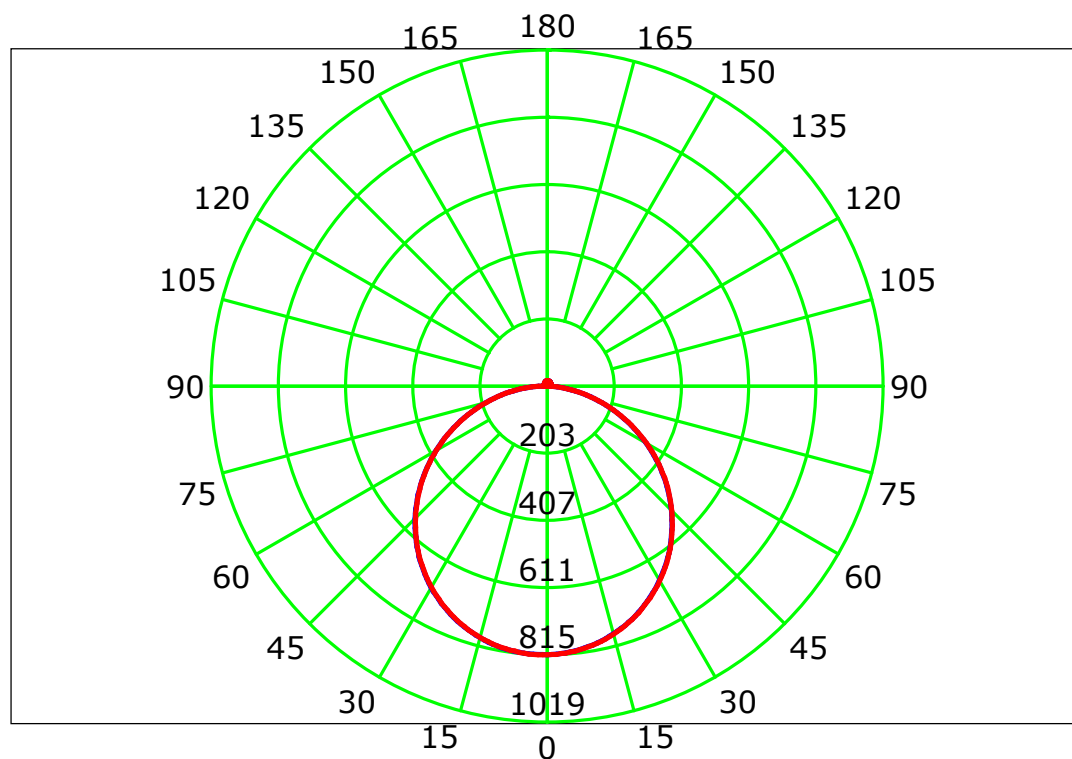
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

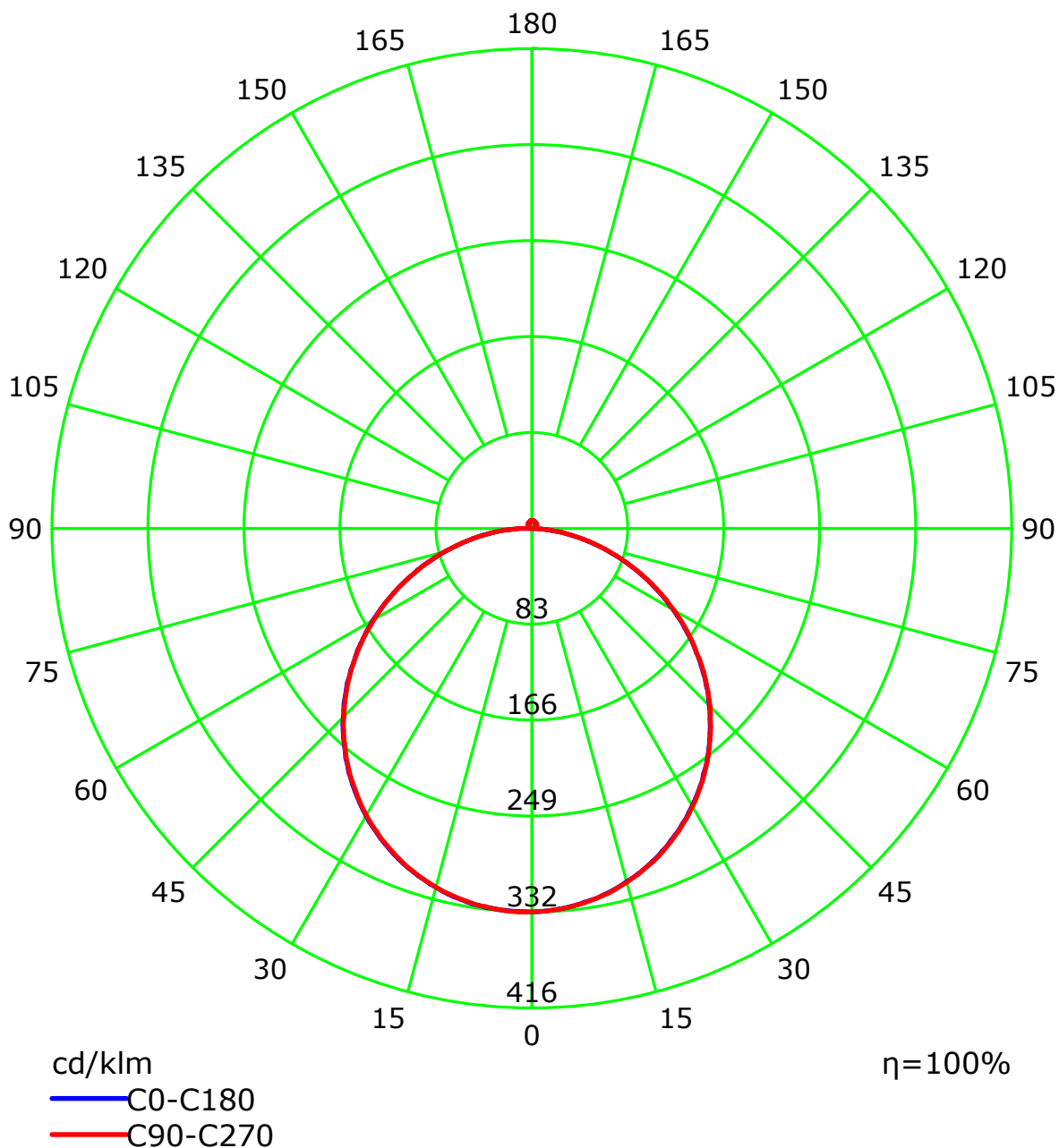
Luminous Intensity Distribution Curve



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:

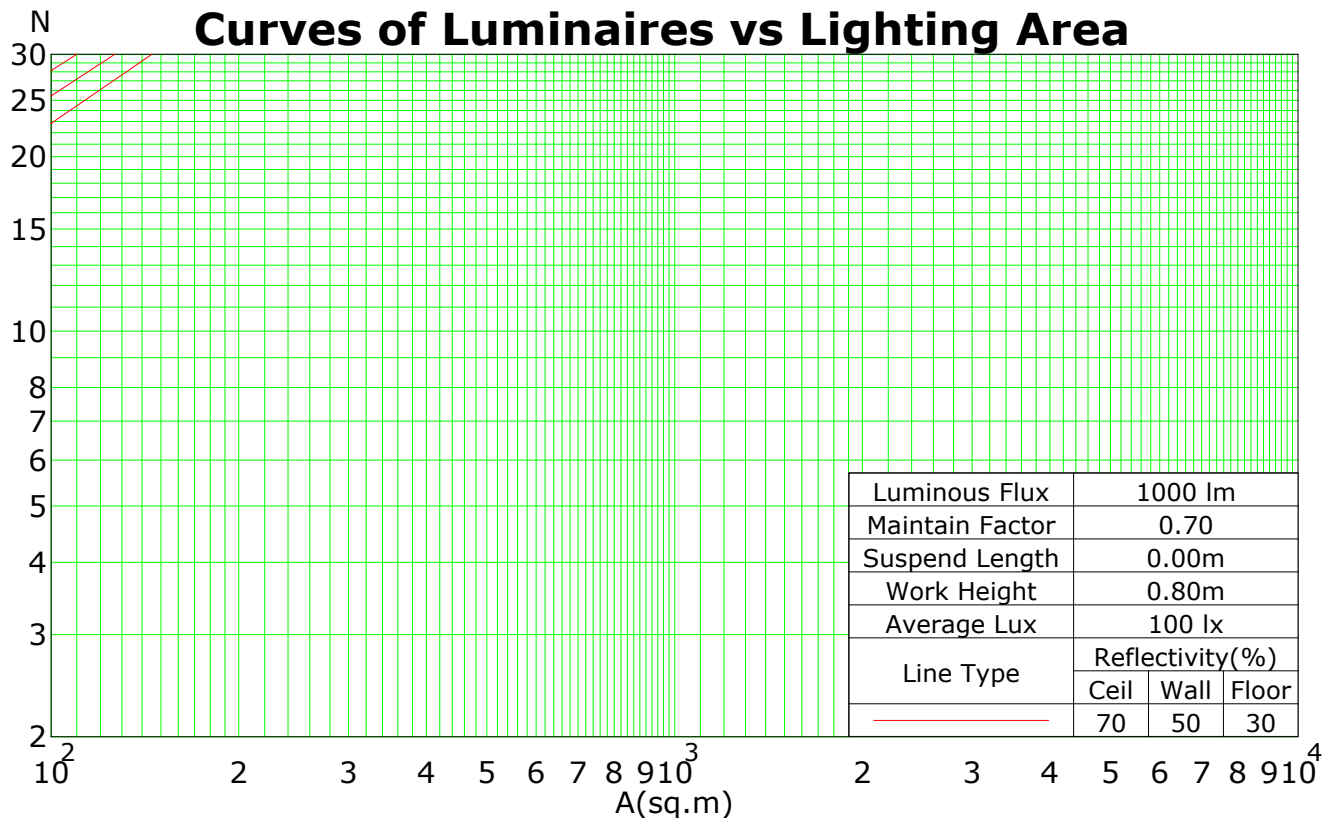
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	108	103	98	95	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	89	82	77	95	87	81	75	83	78	73	80	75	71	76	73	69	67
3	89	78	70	63	86	77	69	63	73	67	61	70	65	60	67	63	58	56
4	81	69	60	54	79	68	59	53	65	58	52	62	56	51	60	54	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



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

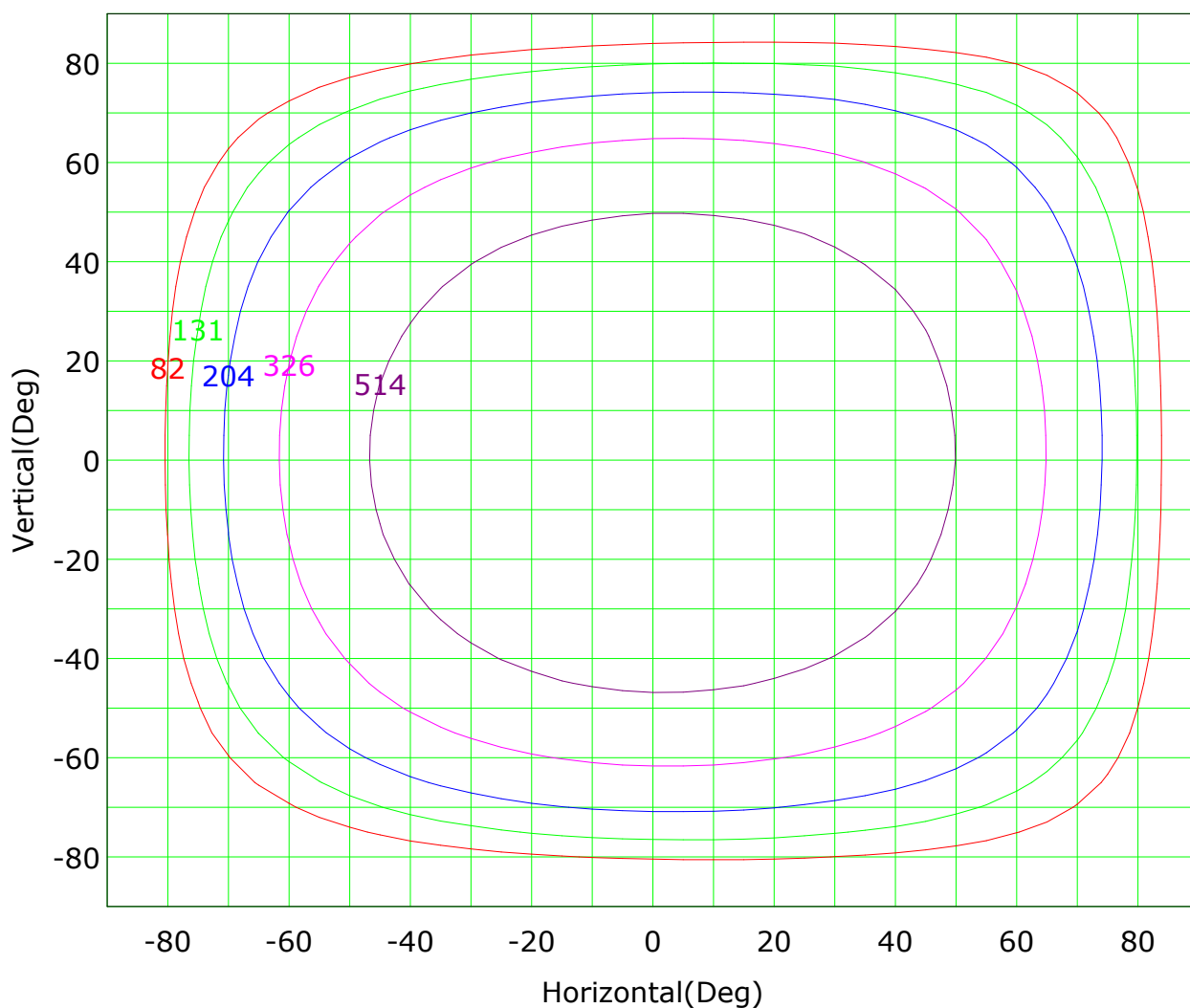
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 816 cd

(10%): 82 cd	(16%): 131 cd
(25%): 204 cd	(40%): 326 cd
(63%): 514 cd	(100%): 816 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

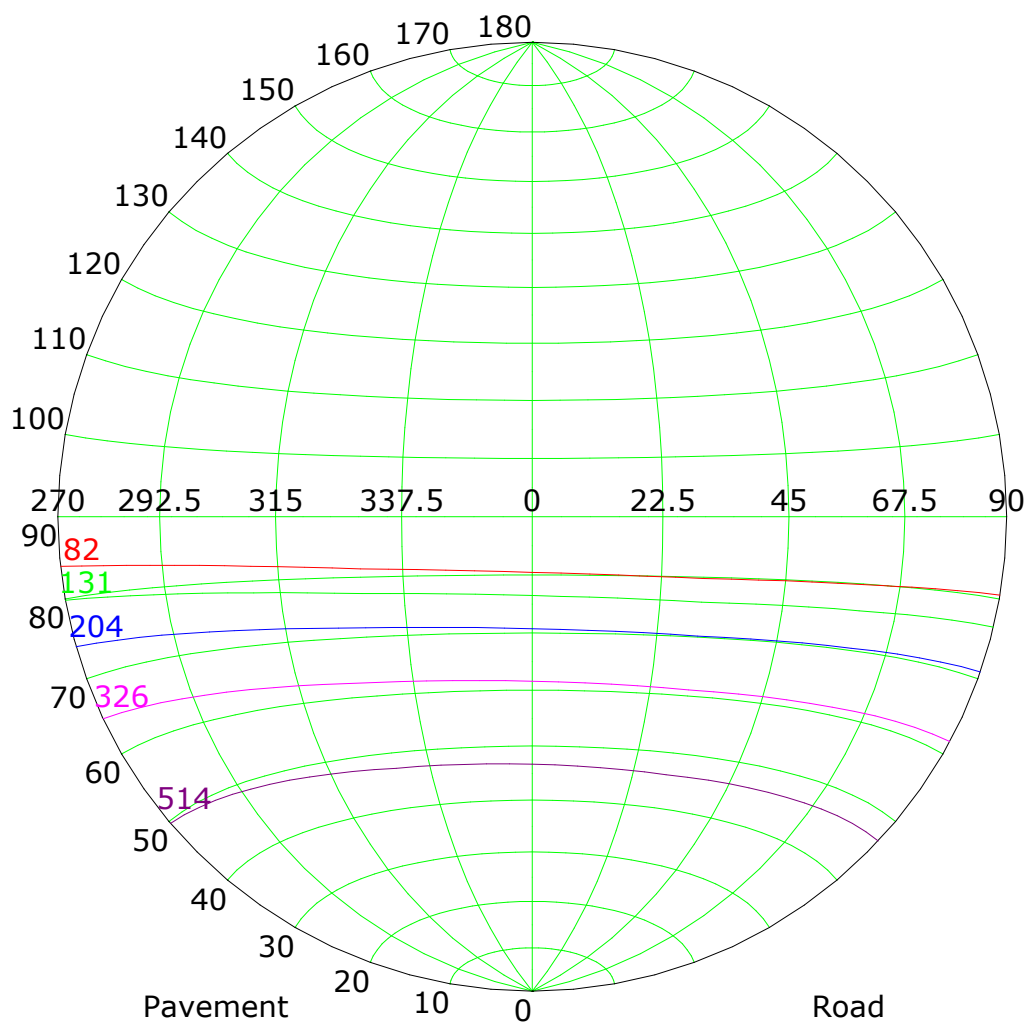
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 816 cd

(10%): 82 cd	(16%): 131 cd
(25%): 204 cd	(40%): 326 cd
(63%): 514 cd	(100%): 816 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

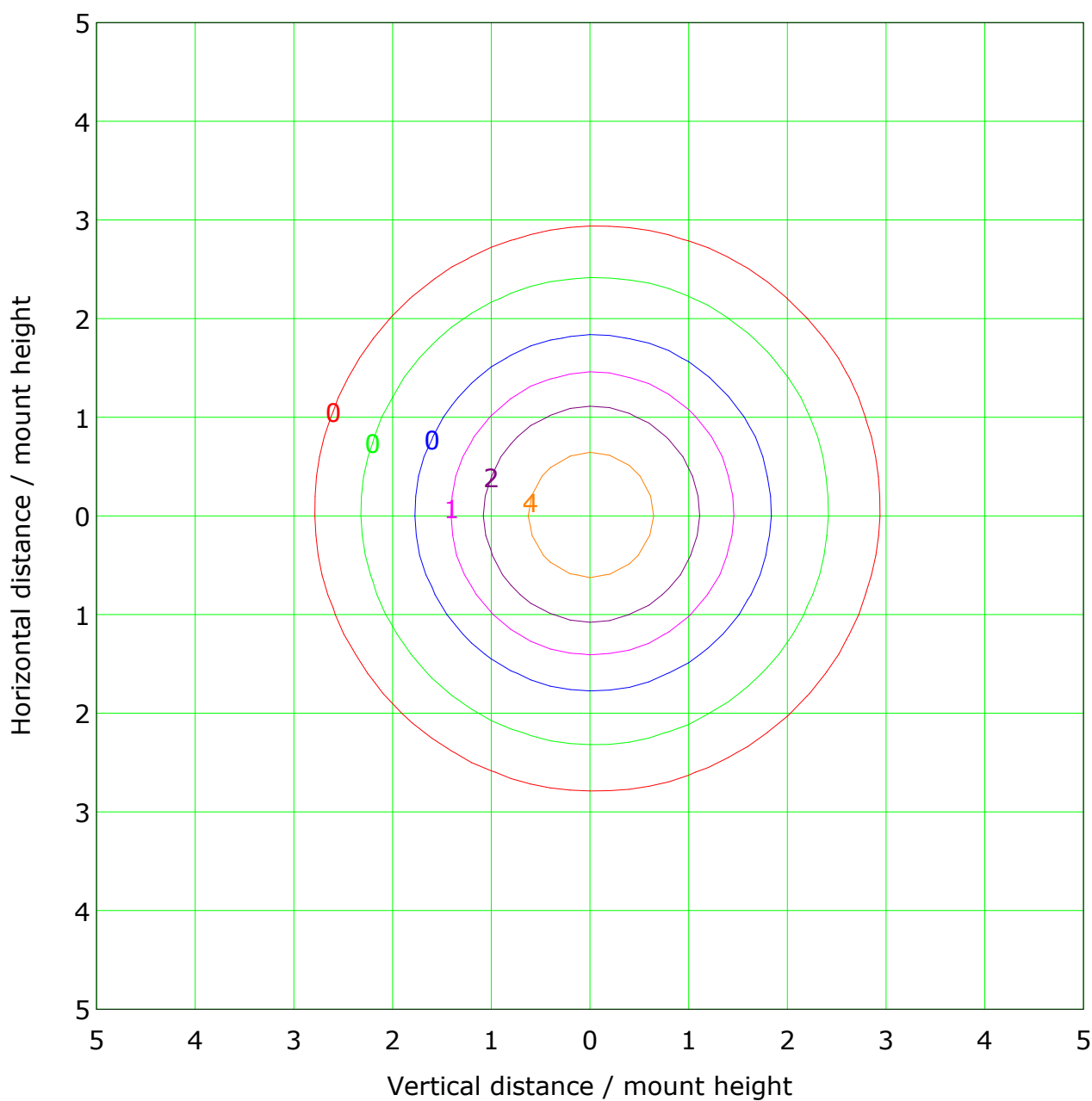
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 8.2 lx

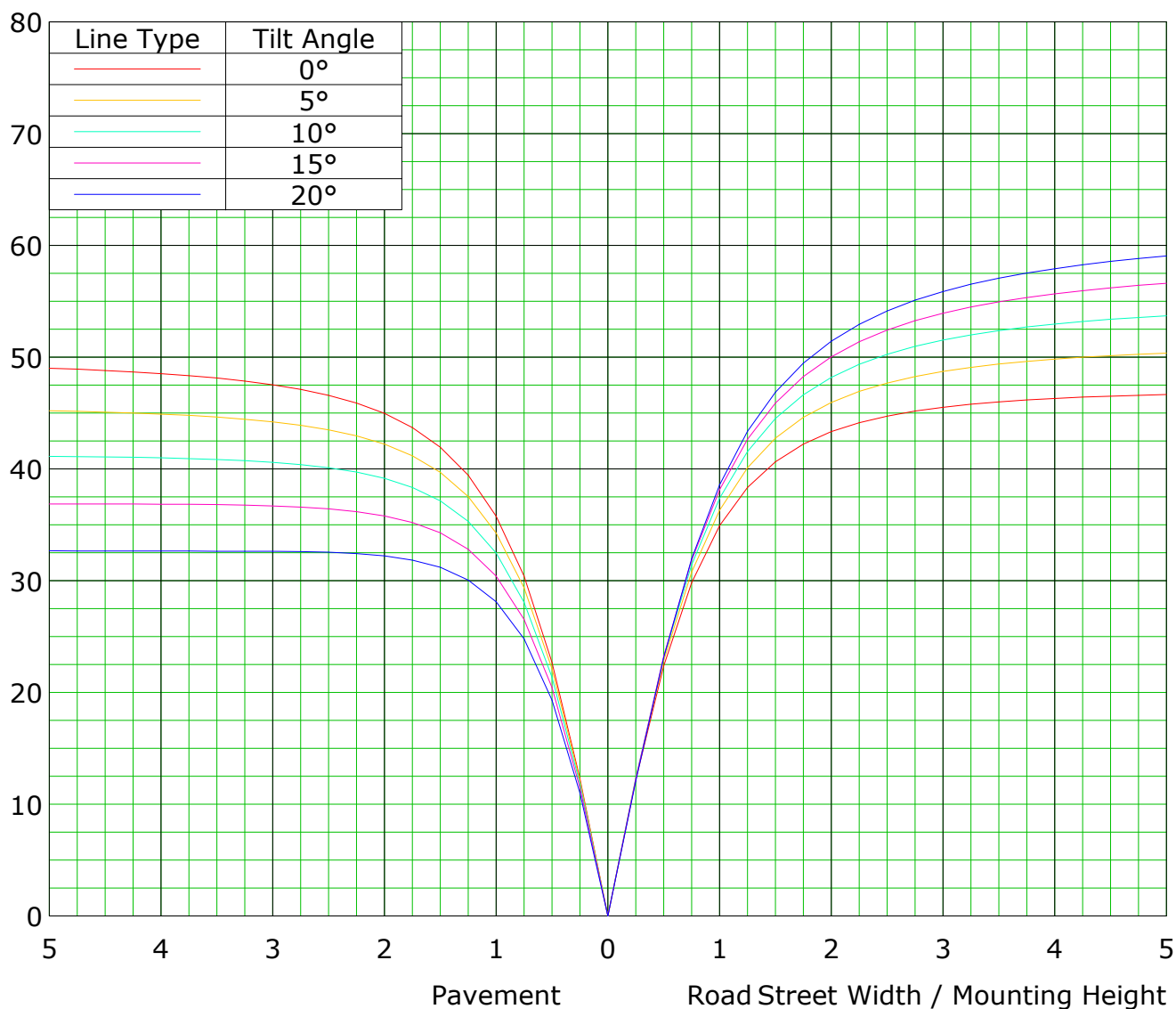
(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.4 lx	(10%): 0.8 lx
(20%): 1.6 lx	(50%): 4.1 lx
(100%): 8.2 lx	

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:

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

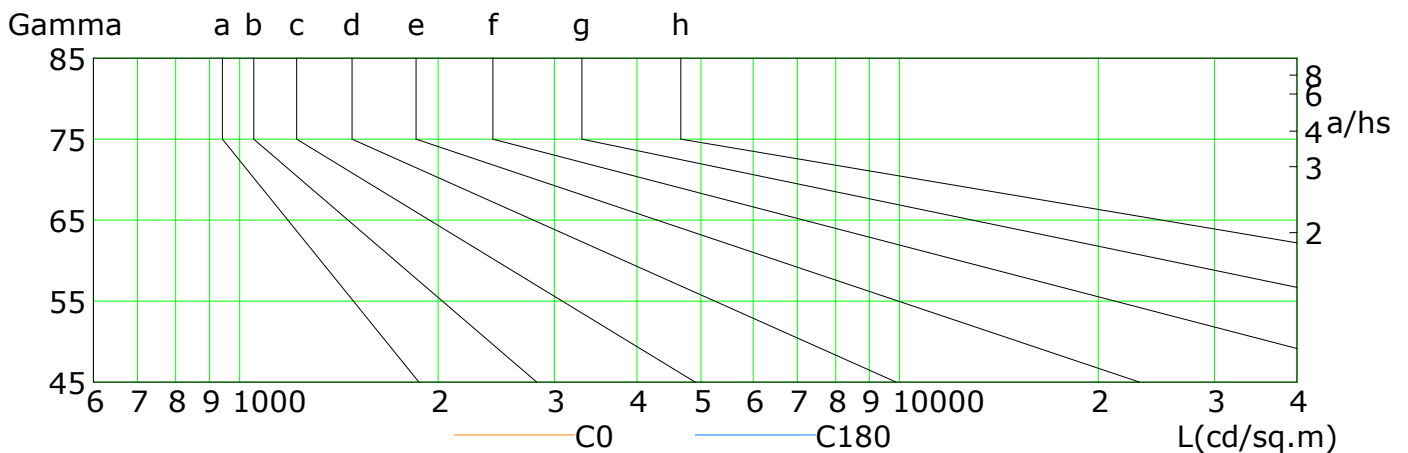
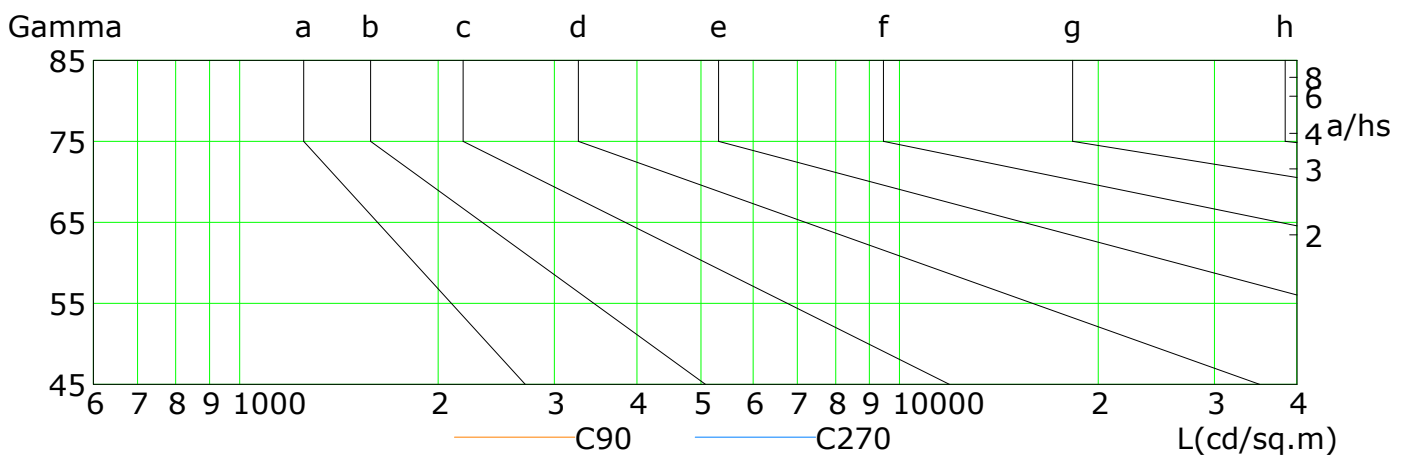
Humidity:

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	534	475	413	348	281	214	149	87	31
C90	536	477	414	349	282	215	150	87	31
C180	567	513	453	390	324	258	192	128	69
C270	565	511	451	388	323	257	192	129	69

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

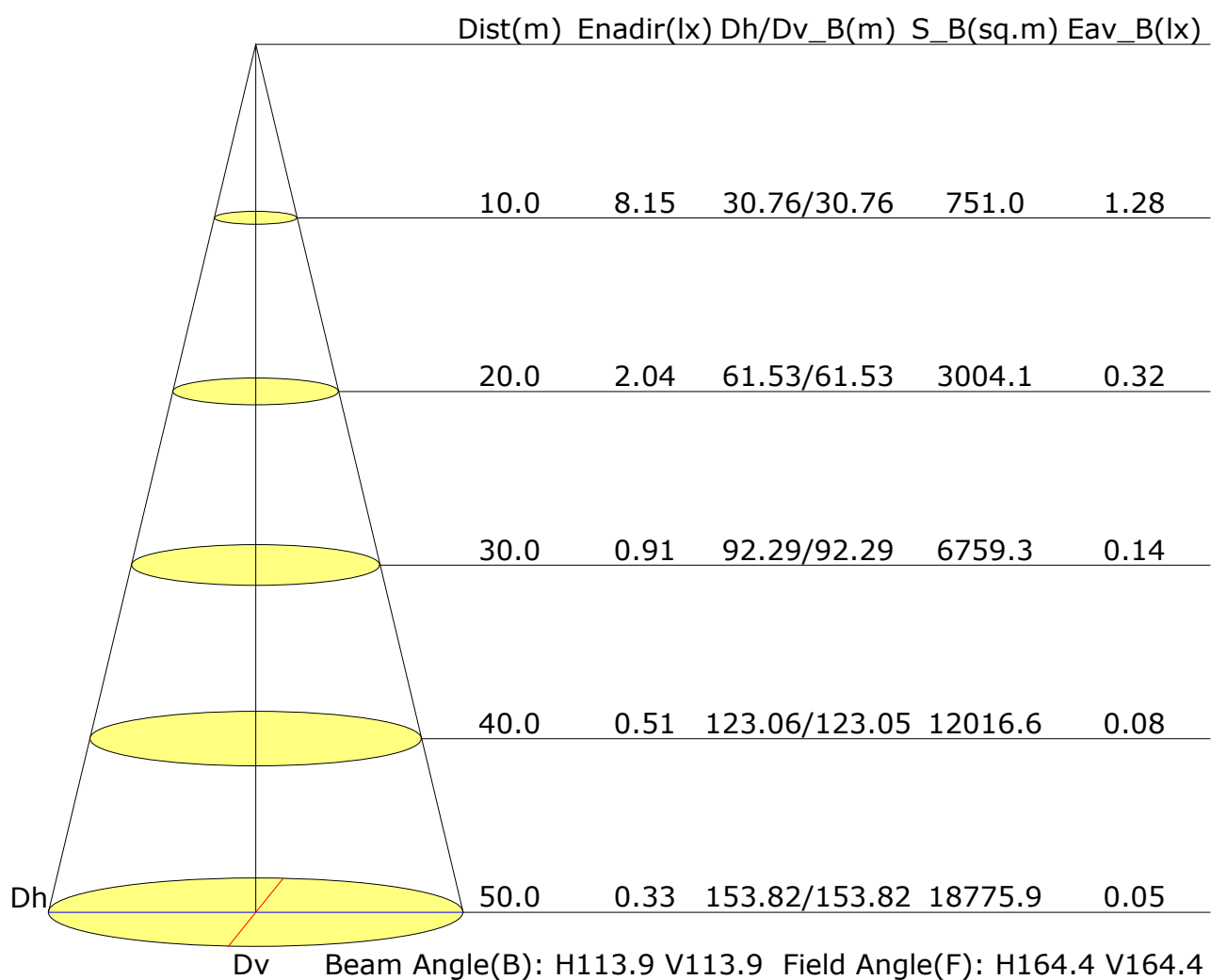
Test Device: GPM-1600L

Distance: 8.432 m

Humidity:

Inspector:

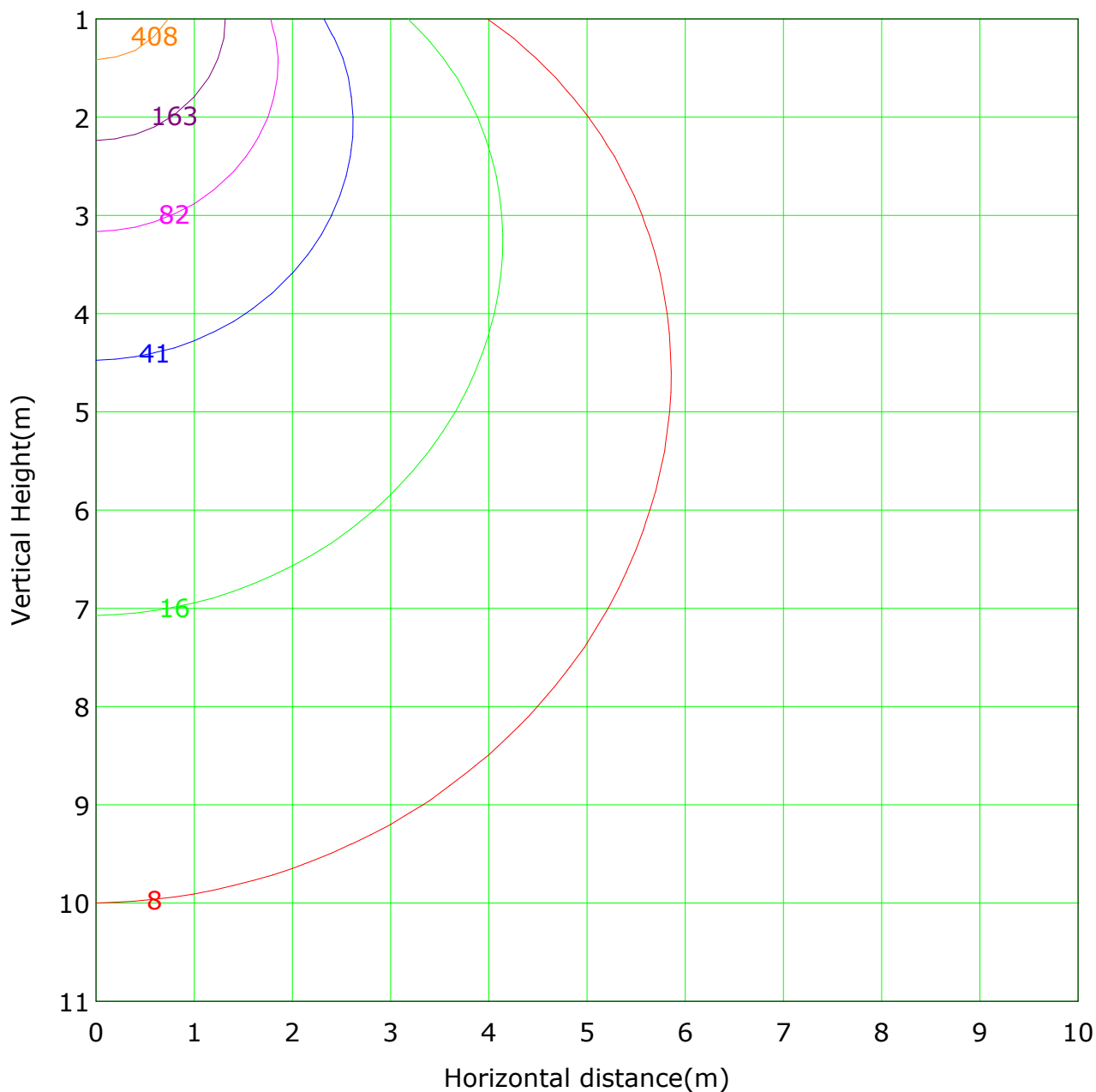
Illuminance at a Distance



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:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 815.3 lx

(1%): 8.2 lx	(2%): 16.3 lx
(5%): 40.8 lx	(10%): 81.5 lx
(20%): 163.1 lx	(50%): 407.6 lx
(100%): 815.3 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: 1m

Orbit Data																					
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	ϕ_0	$\Phi_{\text{flux}}(\text{E})$
Vertical plane	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.2	2.2	2.1	1.8	1.5	1.1	0.8	0.4	0.2	0.1	0.0	19.3	8.2	
-90	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.2	2.2	2.1	1.8	1.5	1.1	0.8	0.4	0.2	0.1	0.0	19.3	8.2	
-80	0.1	0.5	1.2	2.2	3.2	4.2	5.1	5.6	5.9	5.7	5.2	4.4	3.4	2.4	1.5	0.7	0.2	0.0	51.5	49.1	
-70	0.1	0.7	1.9	3.4	5.1	6.8	8.3	9.3	9.8	9.7	8.9	7.6	6.0	4.2	2.6	1.3	0.4	0.0	86.2	85.3	
-60	0.2	0.9	2.5	4.6	7.0	9.4	11.5	12.9	13.6	13.5	12.5	10.7	8.5	6.1	3.7	1.9	0.6	0.1	120.0	119.5	
-50	0.2	1.1	3.0	5.6	8.7	11.6	14.3	16.2	17.1	16.9	15.7	13.6	10.8	7.7	4.8	2.4	0.8	0.1	150.8	150.4	
-40	0.2	1.3	3.5	6.5	10.1	13.6	16.7	18.9	20.0	19.9	18.5	16.0	12.7	9.2	5.7	2.9	1.0	0.1	176.8	176.6	
-30	0.2	1.4	3.9	7.2	11.2	15.1	18.5	21.1	22.3	22.1	20.6	17.9	14.3	10.3	6.5	3.3	1.1	0.1	197.1	196.8	
-20	0.2	1.5	4.1	7.7	11.9	16.1	19.8	22.5	23.8	23.7	22.0	19.1	15.3	11.1	7.0	3.5	1.2	0.1	210.6	210.4	
-10	0.2	1.6	4.2	7.9	12.2	16.5	20.3	23.1	24.5	24.4	22.7	19.7	15.8	11.4	7.2	3.7	1.2	0.1	217.0	216.8	
0	0.2	1.6	4.2	7.9	12.1	16.4	20.2	23.0	24.4	24.3	22.6	19.7	15.8	11.4	7.2	3.6	1.2	0.1	215.9	215.7	
10	0.2	1.5	4.0	7.5	11.6	15.8	19.4	22.1	23.5	23.4	21.8	18.9	15.1	10.9	6.9	3.5	1.2	0.1	207.4	207.2	
20	0.2	1.4	3.7	7.0	10.8	14.6	18.0	20.5	21.8	21.6	20.1	17.5	13.9	10.1	6.3	3.2	1.1	0.1	191.8	191.6	
30	0.2	1.2	3.3	6.2	9.6	13.0	15.9	18.1	19.3	19.2	17.8	15.4	12.3	8.8	5.5	2.8	0.9	0.1	169.6	169.4	
40	0.2	1.1	2.8	5.2	8.0	10.9	13.4	15.2	16.2	16.0	14.9	12.9	10.2	7.3	4.6	2.3	0.8	0.1	141.8	141.5	
50	0.1	0.8	2.2	4.1	6.2	8.4	10.4	11.8	12.5	12.4	11.5	9.9	7.8	5.6	3.4	1.7	0.6	0.1	109.6	109.0	
60	0.1	0.6	1.6	2.8	4.3	5.8	7.1	8.1	8.6	8.5	7.8	6.7	5.3	3.7	2.3	1.1	0.3	0.0	74.7	73.5	
70	0.1	0.4	0.9	1.6	2.4	3.2	3.9	4.4	4.6	4.5	4.1	3.5	2.7	1.9	1.1	0.5	0.1	0.0	39.8	35.4	
80	0.1	0.2	0.4	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0	9.7	0.4	
90	2.9	18.2	47.8	89.0	136.4	184.0	225.8	256.1	271.1	268.9	249.5	215.6	171.6	123.2	76.8	38.6	12.8	1.3	2390		
Flux(T)	1.3	16.4	46.0	87.2	134.6	182.3	223.9	254.3	269.4	267.0	247.7	213.7	169.7	121.3	74.9	36.6	10.5	0.0		2357	
Flux(E)	1.3	16.4	46.0	87.2	134.6	182.3	223.9	254.3	269.4	267.0	247.7	213.7	169.7	121.3	74.9	36.6	10.5	0.0		2357	

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

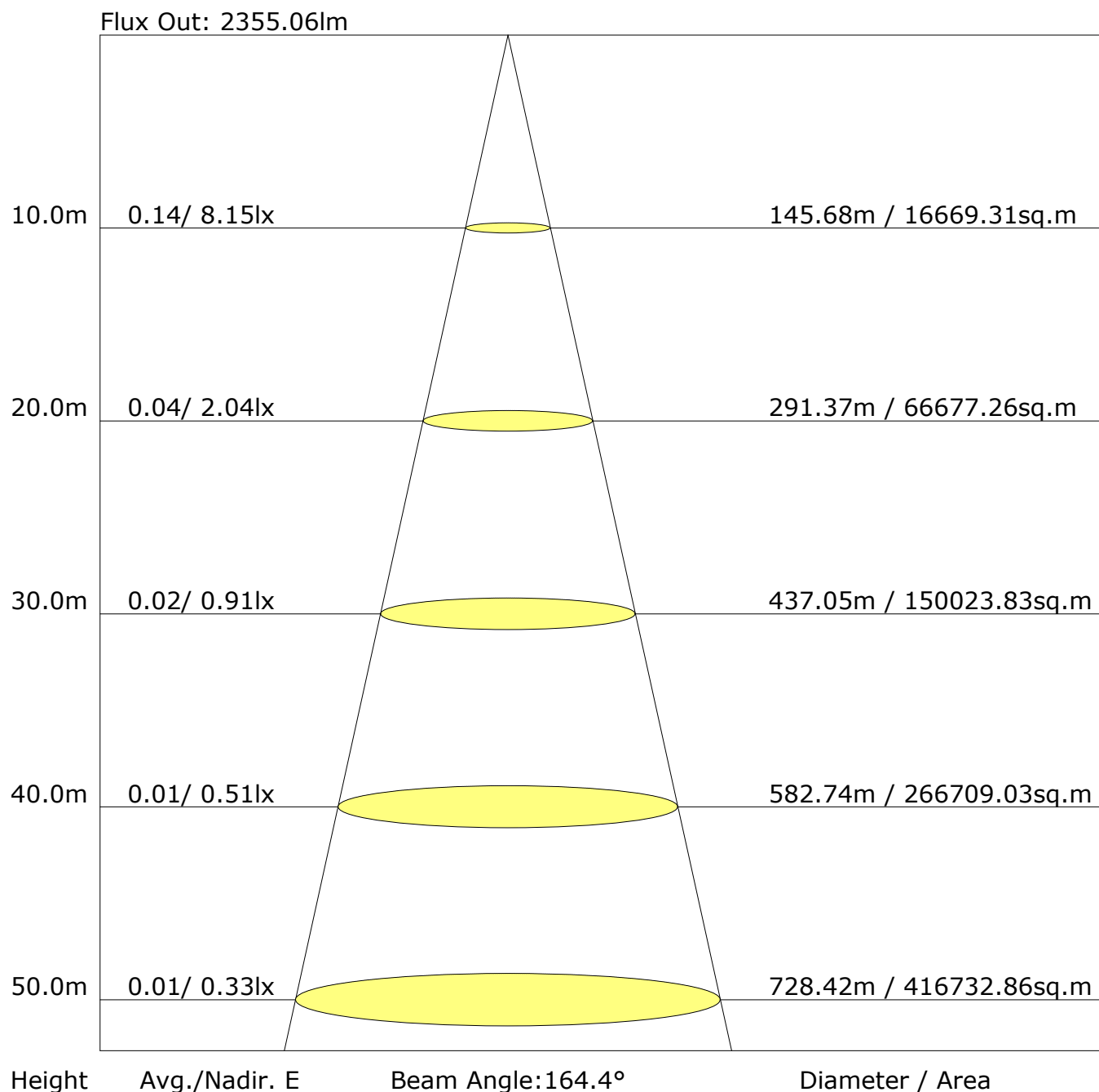
Test Device: GPM-1600L

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:

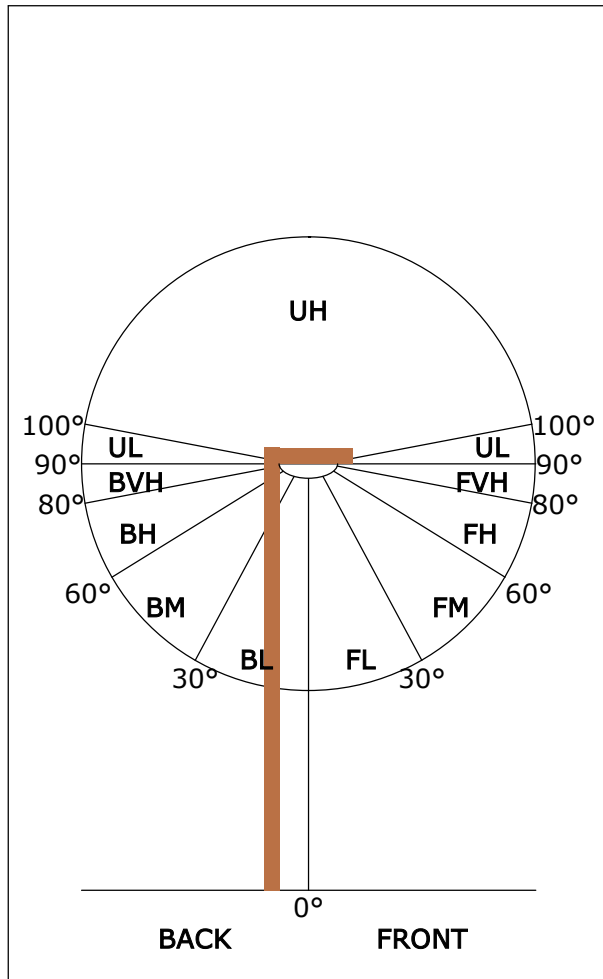
UGR Table

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 2450lm ($8\log(F/F_0) = 3.1$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM


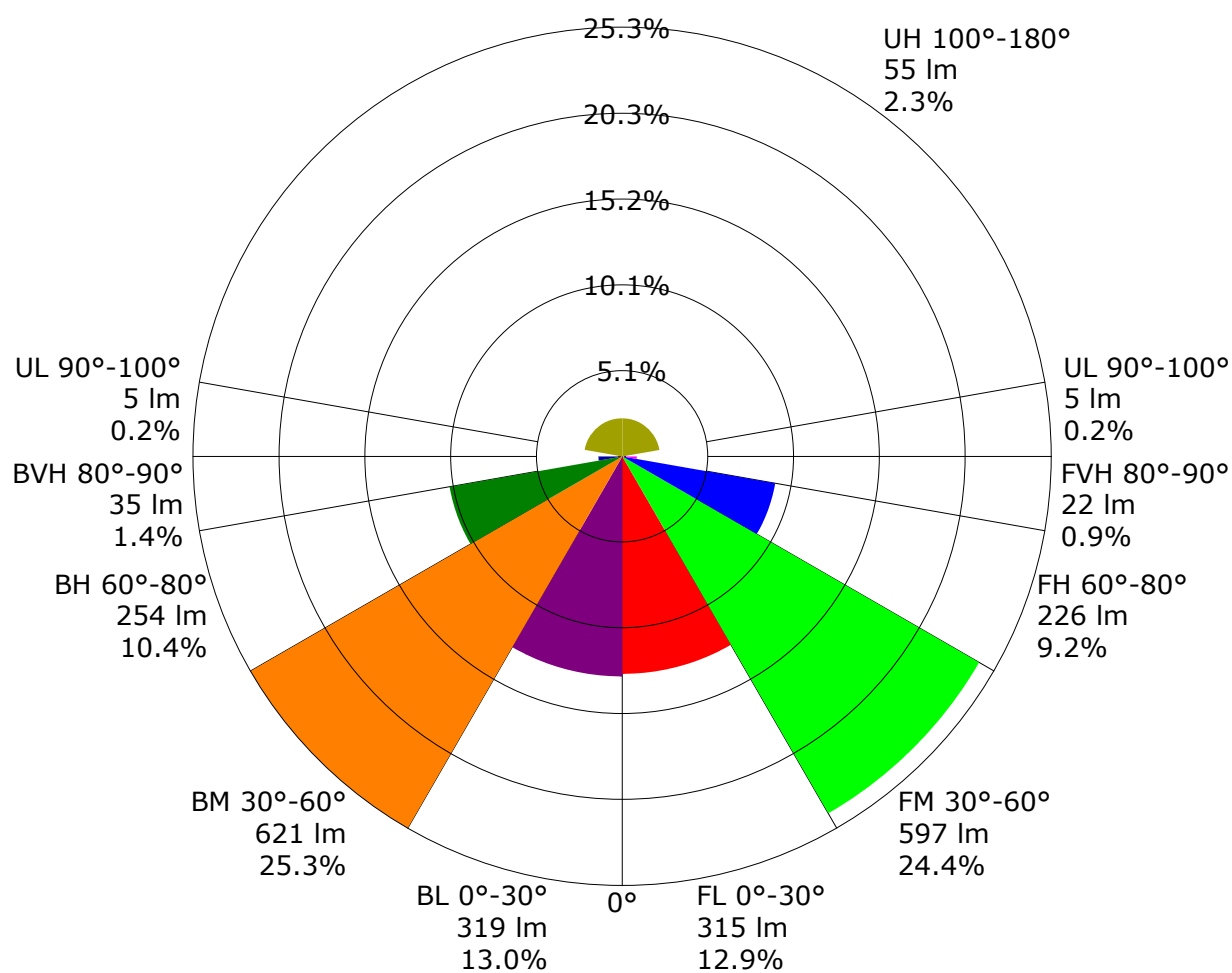
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1161	47.4
FL (0°-30°)	315	12.9
FM (30°-60°)	597	24.4
FH (60°-80°)	226	9.2
FVH (80°-90°)	22	0.9
BACK LIGHT	1229	50.2
BL (0°-30°)	319	13.0
BM (30°-60°)	621	25.3
BH (60°-80°)	254	10.4
BVH (80°-90°)	35	1.4
UP LIGHT	60	2.5
UL (90°-100°)	5	0.2
UH (100°-180°)	55	2.3
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 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	0.65	0.73	0.78	0.86	0.91	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.98	
	0.20		0.41	0.52	0.59	0.65	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.97	
	0.30		0.46	0.56	0.63	0.69	0.77	0.82	0.86	0.91	0.94	
	0.20		0.41	0.51	0.58	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.67	0.72	0.79	0.83	0.86	0.90	0.93	
	0.30		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91	
	0.20		0.40	0.50	0.57	0.63	0.70	0.76	0.80	0.85	0.88	
0.00	0.00	0.00	0.38	0.47	0.54	0.59	0.67	0.72	0.75	0.80	0.83	
Rating:29W 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	0.84	0.71	0.62	0.50	0.42	0.36	0.28	0.23	
	0.30		0.84	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.22	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.25	0.21	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.48	0.43	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.37	0.32	0.25	0.21	
	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	0.38	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	0.44	0.38	0.31	0.26	0.23	0.18	0.15	
Rating:29W 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	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.13	0.15	0.16	0.17	0.19	0.19	0.21	0.22	
	0.20		0.07	0.09	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	0.21	0.22	0.22	0.22	0.23	0.23	
	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	0.14	0.16	0.17	0.18	
0.30	0.50	0.20	0.18	0.19	0.19	0.20	0.21	0.21	0.22	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		0.07	0.08	0.10	0.11	0.13	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:29W 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	814.8	0.8	0.8	0.03	0.03
1.0-2.0	814.5	2.3	3.1	0.10	0.13
2.0-3.0	814.0	3.9	7.0	0.16	0.29
3.0-4.0	813.3	5.4	12.5	0.22	0.51
4.0-5.0	812.1	7.0	19.4	0.29	0.79
5.0-6.0	810.7	8.5	28.0	0.35	1.14
6.0-7.0	809.2	10.0	38.0	0.41	1.55
7.0-8.0	807.2	11.6	49.6	0.47	2.02
8.0-9.0	804.9	13.0	62.6	0.53	2.56
9.0-10.0	802.5	14.5	77.1	0.59	3.15
10.0-11.0	799.7	16.0	93.1	0.65	3.80
11.0-12.0	796.6	17.4	110.5	0.71	4.51
12.0-13.0	793.5	18.8	129.4	0.77	5.28
13.0-14.0	789.9	20.2	149.6	0.83	6.10
14.0-15.0	786.0	21.6	171.2	0.88	6.99
15.0-16.0	781.9	22.9	194.1	0.94	7.92
16.0-17.0	777.5	24.2	218.3	0.99	8.91
17.0-18.0	772.9	25.5	243.8	1.04	9.95
18.0-19.0	767.8	26.7	270.5	1.09	11.04
19.0-20.0	762.7	27.9	298.4	1.14	12.18
20.0-21.0	757.5	29.1	327.5	1.19	13.37
21.0-22.0	751.7	30.2	357.7	1.23	14.60
22.0-23.0	745.7	31.3	389.0	1.28	15.88
23.0-24.0	739.4	32.3	421.3	1.32	17.20
24.0-25.0	732.9	33.3	454.7	1.36	18.56
25.0-26.0	726.4	34.3	489.0	1.40	19.96
26.0-27.0	719.4	35.2	524.2	1.44	21.39
27.0-28.0	712.2	36.1	560.2	1.47	22.86
28.0-29.0	704.9	36.9	597.1	1.51	24.37
29.0-30.0	697.1	37.6	634.8	1.54	25.91
30.0-31.0	689.2	38.4	673.1	1.57	27.47
31.0-32.0	681.1	39.0	712.1	1.59	29.06
32.0-33.0	672.7	39.6	751.8	1.62	30.68
33.0-34.0	664.3	40.2	792.0	1.64	32.32
34.0-35.0	655.4	40.7	832.7	1.66	33.98
35.0-36.0	646.2	41.2	873.8	1.68	35.66

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	637.4	41.6	915.4	1.70	37.36
37.0-38.0	627.9	41.9	957.3	1.71	39.07
38.0-39.0	618.0	42.2	999.5	1.72	40.79
39.0-40.0	608.0	42.4	1041.9	1.73	42.52
40.0-41.0	597.8	42.6	1084.5	1.74	44.26
41.0-42.0	587.9	42.7	1127.2	1.74	46.00
42.0-43.0	577.3	42.8	1170.0	1.75	47.75
43.0-44.0	566.7	42.8	1212.8	1.75	49.49
44.0-45.0	556.0	42.7	1255.5	1.74	51.24
45.0-46.0	544.8	42.6	1298.1	1.74	52.98
46.0-47.0	533.8	42.5	1340.6	1.73	54.71
47.0-48.0	522.2	42.2	1382.8	1.72	56.43
48.0-49.0	510.7	41.9	1424.7	1.71	58.15
49.0-50.0	499.6	41.7	1466.4	1.70	59.85
50.0-51.0	487.6	41.3	1507.7	1.68	61.53
51.0-52.0	475.5	40.8	1548.5	1.67	63.19
52.0-53.0	463.1	40.3	1588.8	1.64	64.84
53.0-54.0	450.7	39.7	1628.5	1.62	66.46
54.0-55.0	438.7	39.2	1667.7	1.60	68.06
55.0-56.0	426.0	38.5	1706.2	1.57	69.63
56.0-57.0	413.3	37.8	1744.0	1.54	71.17
57.0-58.0	401.0	37.1	1781.0	1.51	72.69
58.0-59.0	388.1	36.3	1817.3	1.48	74.17
59.0-60.0	374.9	35.4	1852.8	1.45	75.61
60.0-61.0	361.9	34.5	1887.3	1.41	77.02
61.0-62.0	348.7	33.6	1920.9	1.37	78.39
62.0-63.0	335.9	32.7	1953.6	1.33	79.73
63.0-64.0	322.6	31.7	1985.2	1.29	81.02
64.0-65.0	309.1	30.6	2015.8	1.25	82.27
65.0-66.0	296.4	29.6	2045.4	1.21	83.47
66.0-67.0	282.9	28.5	2073.9	1.16	84.64
67.0-68.0	269.4	27.3	2101.1	1.11	85.75
68.0-69.0	255.9	26.1	2127.3	1.07	86.82
69.0-70.0	242.4	24.9	2152.2	1.02	87.83
70.0-71.0	229.6	23.7	2175.9	0.97	88.80
71.0-72.0	216.3	22.5	2198.4	0.92	89.72

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	203.1	21.2	2219.6	0.87	90.58
73.0-74.0	190.4	20.0	2239.6	0.82	91.40
74.0-75.0	177.3	18.7	2258.4	0.76	92.17
75.0-76.0	164.2	17.4	2275.8	0.71	92.88
76.0-77.0	151.2	16.1	2291.9	0.66	93.54
77.0-78.0	138.5	14.8	2306.8	0.61	94.14
78.0-79.0	126.4	13.6	2320.3	0.55	94.70
79.0-80.0	114.0	12.3	2332.6	0.50	95.20
80.0-81.0	101.7	11.0	2343.6	0.45	95.65
81.0-82.0	90.2	9.8	2353.4	0.40	96.05
82.0-83.0	78.3	8.5	2361.9	0.35	96.39
83.0-84.0	66.7	7.3	2369.2	0.30	96.69
84.0-85.0	55.6	6.1	2375.3	0.25	96.94
85.0-86.0	44.6	4.9	2380.2	0.20	97.14
86.0-87.0	34.6	3.8	2383.9	0.15	97.29
87.0-88.0	25.2	2.8	2386.7	0.11	97.40
88.0-89.0	17.7	1.9	2388.6	0.08	97.48
89.0-90.0	12.1	1.3	2390.0	0.05	97.54
90.0-91.0	7.8	0.9	2390.8	0.03	97.57
91.0-92.0	5.0	0.6	2391.4	0.02	97.59
92.0-93.0	3.9	0.4	2391.8	0.02	97.61
93.0-94.0	3.8	0.4	2392.2	0.02	97.63
94.0-95.0	4.0	0.4	2392.6	0.02	97.65
95.0-96.0	4.2	0.5	2393.1	0.02	97.66
96.0-97.0	4.4	0.5	2393.6	0.02	97.68
97.0-98.0	4.7	0.5	2394.1	0.02	97.71
98.0-99.0	4.9	0.5	2394.6	0.02	97.73
99.0-100.0	5.1	0.6	2395.2	0.02	97.75
100.0-101.0	5.4	0.6	2395.8	0.02	97.77
101.0-102.0	5.6	0.6	2396.4	0.02	97.80
102.0-103.0	5.8	0.6	2397.0	0.03	97.82
103.0-104.0	6.0	0.6	2397.6	0.03	97.85
104.0-105.0	6.3	0.7	2398.3	0.03	97.88
105.0-106.0	6.5	0.7	2399.0	0.03	97.90
106.0-107.0	6.7	0.7	2399.7	0.03	97.93
107.0-108.0	7.0	0.7	2400.4	0.03	97.96

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	7.2	0.7	2401.2	0.03	97.99
109.0-110.0	7.4	0.8	2401.9	0.03	98.03
110.0-111.0	7.6	0.8	2402.7	0.03	98.06
111.0-112.0	7.8	0.8	2403.5	0.03	98.09
112.0-113.0	8.0	0.8	2404.3	0.03	98.12
113.0-114.0	8.2	0.8	2405.1	0.03	98.16
114.0-115.0	8.4	0.8	2406.0	0.03	98.19
115.0-116.0	8.6	0.9	2406.8	0.03	98.23
116.0-117.0	8.8	0.9	2407.7	0.04	98.26
117.0-118.0	9.0	0.9	2408.6	0.04	98.30
118.0-119.0	9.2	0.9	2409.5	0.04	98.33
119.0-120.0	9.4	0.9	2410.4	0.04	98.37
120.0-121.0	9.6	0.9	2411.3	0.04	98.41
121.0-122.0	9.8	0.9	2412.2	0.04	98.44
122.0-123.0	10.0	0.9	2413.1	0.04	98.48
123.0-124.0	10.1	0.9	2414.0	0.04	98.52
124.0-125.0	10.3	0.9	2415.0	0.04	98.56
125.0-126.0	10.5	0.9	2415.9	0.04	98.60
126.0-127.0	10.7	0.9	2416.8	0.04	98.63
127.0-128.0	10.8	0.9	2417.8	0.04	98.67
128.0-129.0	11.0	0.9	2418.7	0.04	98.71
129.0-130.0	11.2	0.9	2419.7	0.04	98.75
130.0-131.0	11.3	0.9	2420.6	0.04	98.79
131.0-132.0	11.5	0.9	2421.6	0.04	98.83
132.0-133.0	11.6	0.9	2422.5	0.04	98.86
133.0-134.0	11.8	0.9	2423.4	0.04	98.90
134.0-135.0	12.0	0.9	2424.4	0.04	98.94
135.0-136.0	12.1	0.9	2425.3	0.04	98.98
136.0-137.0	12.3	0.9	2426.2	0.04	99.02
137.0-138.0	12.4	0.9	2427.2	0.04	99.05
138.0-139.0	12.6	0.9	2428.1	0.04	99.09
139.0-140.0	12.7	0.9	2429.0	0.04	99.13
140.0-141.0	12.9	0.9	2429.9	0.04	99.17
141.0-142.0	13.0	0.9	2430.8	0.04	99.20
142.0-143.0	13.1	0.9	2431.6	0.04	99.24
143.0-144.0	13.3	0.9	2432.5	0.04	99.27

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	13.4	0.9	2433.4	0.03	99.31
145.0-146.0	13.5	0.8	2434.2	0.03	99.34
146.0-147.0	13.7	0.8	2435.0	0.03	99.38
147.0-148.0	13.8	0.8	2435.8	0.03	99.41
148.0-149.0	13.9	0.8	2436.6	0.03	99.44
149.0-150.0	14.0	0.8	2437.4	0.03	99.47
150.0-151.0	14.2	0.8	2438.2	0.03	99.51
151.0-152.0	14.3	0.7	2438.9	0.03	99.54
152.0-153.0	14.4	0.7	2439.7	0.03	99.57
153.0-154.0	14.5	0.7	2440.4	0.03	99.59
154.0-155.0	14.6	0.7	2441.1	0.03	99.62
155.0-156.0	14.8	0.7	2441.7	0.03	99.65
156.0-157.0	14.9	0.7	2442.4	0.03	99.68
157.0-158.0	15.0	0.6	2443.0	0.03	99.70
158.0-159.0	15.1	0.6	2443.6	0.02	99.73
159.0-160.0	15.2	0.6	2444.2	0.02	99.75
160.0-161.0	15.4	0.6	2444.8	0.02	99.77
161.0-162.0	15.5	0.5	2445.3	0.02	99.80
162.0-163.0	15.6	0.5	2445.8	0.02	99.82
163.0-164.0	15.7	0.5	2446.3	0.02	99.84
164.0-165.0	15.9	0.5	2446.8	0.02	99.86
165.0-166.0	16.0	0.4	2447.2	0.02	99.87
166.0-167.0	16.2	0.4	2447.6	0.02	99.89
167.0-168.0	16.3	0.4	2448.0	0.02	99.91
168.0-169.0	16.4	0.4	2448.4	0.01	99.92
169.0-170.0	16.5	0.3	2448.7	0.01	99.93
170.0-171.0	16.6	0.3	2449.0	0.01	99.95
171.0-172.0	16.7	0.3	2449.3	0.01	99.96
172.0-173.0	16.8	0.2	2449.5	0.01	99.97
173.0-174.0	16.8	0.2	2449.7	0.01	99.98
174.0-175.0	16.9	0.2	2449.9	0.01	99.98
175.0-176.0	16.9	0.1	2450.1	0.01	99.99
176.0-177.0	17.0	0.1	2450.2	0.00	99.99
177.0-178.0	17.0	0.1	2450.3	0.00	100.00
178.0-179.0	17.1	0.0	2450.3	0.00	100.00
179.0-180.0	17.1	0.0	2450.3	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	815.3	814.3	815.0	815.7	814.5	814.1	815.3	814.3	815.0	815.7
G1.0	814.7	814.0	814.5	814.3	814.1	815.3	814.8	815.2	815.4	815.5
G2.0	814.2	813.0	813.6	814.3	813.9	814.0	814.9	815.2	815.3	815.7
G3.0	812.7	811.8	812.0	812.7	813.9	813.4	814.8	815.7	815.3	815.4
G4.0	811.3	810.0	811.1	812.1	813.2	813.0	814.0	814.9	814.8	815.3
G5.0	809.8	808.8	809.0	809.7	810.8	812.4	813.5	814.1	814.1	813.3
G6.0	807.9	805.8	807.2	808.6	810.1	810.5	812.3	813.2	813.6	812.6
G7.0	805.7	804.4	804.9	805.9	807.7	809.4	811.5	812.2	812.6	810.0
G8.0	802.8	801.0	802.0	803.7	805.3	807.6	809.1	810.8	810.5	810.0
G9.0	800.0	798.4	798.8	800.7	802.4	805.3	808.0	809.3	809.0	807.0
G10.0	798.3	794.9	796.4	797.8	799.4	803.3	805.8	807.3	807.0	804.8
G11.0	794.0	791.7	792.2	794.9	796.8	800.1	802.5	804.2	805.1	802.3
G12.0	790.8	788.0	789.0	791.9	793.8	797.0	800.7	802.6	801.2	799.2
G13.0	786.6	784.7	784.7	787.7	790.7	793.6	797.4	799.8	798.9	796.2
G14.0	782.5	779.4	780.1	782.8	786.8	790.1	793.8	796.4	796.3	793.2
G15.0	777.7	775.4	776.1	779.2	783.0	786.5	790.0	793.6	792.7	789.6
G16.0	773.5	769.9	771.2	773.9	777.8	782.4	786.5	789.9	789.3	785.5
G17.0	768.4	765.6	766.2	769.9	774.3	778.4	781.5	786.4	785.1	781.2
G18.0	764.1	760.3	760.8	764.0	768.0	773.2	778.0	781.6	780.8	777.3
G19.0	757.8	753.5	755.1	759.0	763.7	768.7	772.7	777.3	776.0	772.1
G20.0	752.5	748.8	749.8	753.4	758.3	763.9	768.4	772.6	771.7	767.7
G21.0	747.0	742.6	744.0	747.6	752.0	758.0	763.5	767.8	766.4	762.3
G22.0	739.5	735.8	737.4	741.7	745.8	752.4	757.8	762.2	761.7	756.4
G23.0	733.9	729.6	730.6	734.5	739.7	746.6	752.5	757.0	755.9	750.6
G24.0	726.2	722.4	723.7	727.8	732.9	740.0	746.2	751.1	750.3	744.4
G25.0	720.0	715.9	716.6	720.7	726.2	733.7	739.8	745.8	744.2	738.4
G26.0	712.7	707.9	709.5	714.3	719.5	727.2	733.8	739.4	738.1	732.9
G27.0	704.6	700.5	701.7	706.1	711.8	720.4	726.7	733.2	731.4	725.0
G28.0	697.8	692.4	694.4	699.1	704.6	713.2	719.7	726.2	724.7	718.6
G29.0	689.2	684.9	686.3	691.1	697.2	705.8	713.3	719.7	718.2	711.5
G30.0	681.2	676.4	678.0	682.8	689.1	697.2	705.3	712.0	710.3	703.9
G31.0	672.8	668.0	669.3	674.8	681.1	690.4	697.7	705.2	703.5	696.2
G32.0	664.1	658.7	661.0	665.5	672.5	681.7	689.5	696.6	695.7	688.3
G33.0	655.8	650.6	652.4	657.1	663.4	673.9	681.7	688.8	687.7	680.3
G34.0	647.1	641.2	643.4	648.0	654.8	665.1	673.2	681.7	679.8	671.5
G35.0	636.6	631.5	632.5	638.6	645.8	656.3	664.7	672.8	670.7	663.2
G36.0	628.1	621.9	624.4	629.0	636.3	646.9	655.9	664.3	662.3	654.9

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 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	618.5	612.9	614.6	620.0	628.0	638.8	648.2	655.6	653.9	646.2
G38.0	608.3	601.8	604.2	610.0	616.9	627.5	637.1	646.5	644.2	636.2
G39.0	598.1	592.6	594.0	599.7	607.1	619.3	628.9	637.0	635.2	627.5
G40.0	587.4	581.0	583.0	588.6	595.7	609.0	617.9	627.6	625.6	617.1
G41.0	577.1	571.3	572.9	578.5	586.6	598.9	608.4	617.8	616.2	607.0
G42.0	566.5	560.5	562.1	568.5	576.6	589.2	598.7	609.0	606.1	597.5
G43.0	555.1	549.1	550.4	556.7	565.2	578.1	588.4	598.5	596.1	586.6
G44.0	544.9	537.8	540.2	546.6	555.0	567.6	578.5	588.4	586.4	576.9
G45.0	533.7	526.9	529.0	535.5	544.3	557.2	567.3	577.6	575.0	565.1
G46.0	521.9	515.0	517.3	523.6	532.0	545.4	556.3	567.0	565.2	555.1
G47.0	511.2	503.8	506.0	512.3	521.5	534.7	546.1	556.5	554.7	544.2
G48.0	498.3	491.1	493.4	500.0	508.8	522.5	534.2	544.6	543.2	532.7
G49.0	487.4	479.9	482.2	488.2	497.1	511.6	523.2	534.6	532.0	521.9
G50.0	475.1	467.5	470.5	477.2	486.0	500.7	512.8	523.8	521.6	510.7
G51.0	462.9	455.3	457.7	463.8	473.3	487.6	499.6	511.7	508.9	498.3
G52.0	450.5	443.6	445.6	452.3	462.1	476.6	488.9	500.5	498.1	487.1
G53.0	437.4	429.8	432.4	438.1	448.3	463.6	475.6	487.9	484.9	474.3
G54.0	425.1	417.9	420.1	426.9	436.5	451.7	464.2	476.6	474.1	462.7
G55.0	412.6	405.3	407.1	414.4	424.0	439.2	452.6	464.9	462.5	451.4
G56.0	399.1	391.8	394.1	401.0	410.6	426.2	439.4	451.7	449.6	438.3
G57.0	386.7	379.5	382.1	388.6	398.4	414.3	427.2	439.9	437.7	426.1
G58.0	374.0	366.7	369.0	375.9	385.4	401.4	415.5	428.3	426.0	414.1
G59.0	360.7	352.9	355.5	362.2	372.0	387.5	401.9	415.2	412.4	400.5
G60.0	347.5	339.9	342.2	349.0	358.9	375.1	389.5	402.9	400.4	388.4
G61.0	334.0	326.3	328.8	335.4	345.0	361.8	376.3	389.6	387.4	374.9
G62.0	321.0	313.0	315.5	322.7	332.0	349.1	363.5	377.1	374.4	362.1
G63.0	308.1	300.5	302.8	309.4	319.0	336.1	351.1	364.6	362.5	350.0
G64.0	293.6	286.0	288.1	295.4	304.8	321.5	337.1	351.1	348.8	336.4
G65.0	281.2	273.3	275.6	281.9	292.1	308.9	324.4	338.1	336.1	323.2
G66.0	268.4	260.0	262.3	269.8	279.1	296.6	311.5	326.0	323.5	310.7
G67.0	254.0	246.2	248.3	255.0	264.9	281.9	297.5	312.3	309.4	296.7
G68.0	241.2	232.9	235.3	242.4	251.9	268.4	284.9	299.4	296.7	284.2
G69.0	227.1	219.2	221.4	228.0	237.7	254.7	270.6	284.6	282.7	269.9
G70.0	213.9	206.0	208.3	215.4	224.4	242.1	257.9	272.5	270.1	257.3
G71.0	201.2	193.6	195.6	202.3	211.8	229.0	244.8	259.3	257.0	244.4
G72.0	187.6	179.4	182.0	188.4	197.6	215.1	231.4	245.6	243.2	230.7
G73.0	174.9	167.0	169.0	175.6	185.1	202.1	218.8	233.1	231.1	218.2

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:

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	162.5	154.2	156.4	163.3	173.0	189.6	205.8	220.3	218.0	205.4
G75.0	148.8	141.1	143.0	149.5	158.8	175.5	192.2	206.5	204.5	191.8
G76.0	136.2	128.4	130.4	136.9	146.2	163.3	179.4	193.6	191.6	179.0
G77.0	123.3	115.4	117.3	123.8	133.2	149.6	166.0	180.1	178.3	165.7
G78.0	111.1	103.1	105.0	111.5	120.9	137.6	153.3	167.9	165.4	153.9
G79.0	99.5	91.5	93.5	99.8	109.3	125.2	141.4	155.2	153.6	141.4
G80.0	86.5	78.6	80.3	86.9	96.2	111.9	128.4	142.1	140.4	128.6
G81.0	75.4	67.3	69.2	75.7	85.0	100.5	116.5	129.7	128.0	116.4
G82.0	64.6	56.0	57.7	64.3	73.5	88.8	104.7	118.0	116.3	105.1
G83.0	52.4	44.3	46.0	52.5	61.9	76.9	91.7	104.7	103.1	92.1
G84.0	42.2	33.5	35.1	41.8	51.1	66.1	80.6	93.3	91.7	81.1
G85.0	30.7	22.7	24.1	30.8	40.1	54.3	68.8	81.0	79.5	69.2
G86.0	20.8	12.8	14.2	21.3	30.0	44.2	57.6	69.4	68.1	58.2
G87.0	11.8	4.6	5.5	11.8	20.9	34.0	47.3	58.7	57.3	47.4
G88.0	3.4	3.0	3.0	3.2	10.9	23.8	35.8	46.6	45.4	36.4
G89.0	3.0	3.2	3.2	2.9	3.7	14.4	26.2	36.4	35.3	26.8
G90.0	3.2	3.3	3.4	3.1	2.9	6.5	15.6	25.1	24.1	16.4
G91.0	3.4	3.5	3.5	3.3	3.2	2.9	7.2	15.6	14.8	8.0
G92.0	3.5	3.8	3.8	3.4	3.3	3.0	3.3	6.9	6.4	3.5
G93.0	3.8	3.9	3.9	3.7	3.5	3.2	3.6	3.5	3.6	3.7
G94.0	4.0	4.2	4.1	3.8	3.7	3.4	3.8	3.7	3.8	4.0
G95.0	4.2	4.3	4.4	4.0	3.9	3.7	4.0	3.9	4.0	4.2
G96.0	4.3	4.6	4.6	4.2	4.1	3.8	4.3	4.2	4.2	4.4
G97.0	4.6	4.8	4.7	4.4	4.3	4.0	4.5	4.4	4.5	4.6
G98.0	4.8	5.1	5.0	4.7	4.5	4.3	4.8	4.6	4.7	4.9
G99.0	5.1	5.3	5.2	4.9	4.7	4.4	5.0	4.8	4.9	5.2
G100.0	5.2	5.5	5.4	5.1	4.9	4.7	5.3	5.1	5.2	5.4
G101.0	5.4	5.7	5.6	5.4	5.2	4.9	5.5	5.3	5.4	5.7
G102.0	5.7	5.8	5.9	5.6	5.3	5.1	5.7	5.5	5.6	5.9
G103.0	5.9	6.1	6.1	5.8	5.6	5.3	5.9	5.8	5.9	6.1
G104.0	6.2	6.3	6.3	6.1	5.8	5.5	6.2	6.1	6.1	6.4
G105.0	6.4	6.5	6.5	6.3	6.0	5.7	6.5	6.3	6.4	6.6
G106.0	6.6	6.7	6.8	6.4	6.3	5.9	6.8	6.6	6.6	6.8
G107.0	6.8	6.9	6.9	6.7	6.4	6.2	7.0	6.8	6.8	7.1
G108.0	7.0	7.1	7.1	6.8	6.7	6.3	7.2	7.0	7.1	7.3
G109.0	7.2	7.3	7.4	7.1	6.8	6.5	7.5	7.2	7.3	7.5
G110.0	7.5	7.5	7.5	7.3	6.9	6.7	7.7	7.5	7.5	7.8

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	7.7	7.7	7.8	7.6	7.1	6.9	7.9	7.7	7.8	7.9
G112.0	8.0	7.9	8.0	7.8	7.4	7.1	8.2	7.9	8.0	8.2
G113.0	8.1	8.1	8.2	7.9	7.6	7.3	8.4	8.0	8.2	8.3
G114.0	8.4	8.2	8.4	8.2	7.7	7.5	8.7	8.3	8.4	8.6
G115.0	8.6	8.5	8.6	8.4	7.9	7.7	8.9	8.5	8.6	8.8
G116.0	8.8	8.7	8.7	8.6	8.1	7.9	9.1	8.7	8.8	9.0
G117.0	9.0	8.9	8.9	8.7	8.3	8.1	9.3	8.9	9.0	9.2
G118.0	9.1	9.1	9.1	9.0	8.5	8.2	9.5	9.1	9.1	9.4
G119.0	9.4	9.2	9.3	9.1	8.6	8.4	9.6	9.3	9.3	9.6
G120.0	9.5	9.4	9.4	9.3	8.8	8.6	9.9	9.5	9.6	9.8
G121.0	9.7	9.6	9.6	9.5	9.1	8.8	10.0	9.7	9.7	10.1
G122.0	9.9	9.8	9.8	9.7	9.2	9.0	10.2	9.9	9.9	10.3
G123.0	10.0	10.0	9.9	9.9	9.4	9.1	10.4	10.1	10.1	10.4
G124.0	10.2	10.1	10.1	10.1	9.6	9.3	10.6	10.3	10.3	10.6
G125.0	10.4	10.3	10.3	10.3	9.8	9.6	10.7	10.5	10.4	10.8
G126.0	10.6	10.5	10.4	10.4	9.9	9.7	10.9	10.6	10.7	11.0
G127.0	10.7	10.7	10.6	10.6	10.1	9.8	11.1	10.8	10.8	11.1
G128.0	10.9	10.8	10.7	10.8	10.2	10.0	11.2	11.0	11.1	11.4
G129.0	11.1	11.0	10.8	10.9	10.4	10.2	11.4	11.1	11.2	11.5
G130.0	11.3	11.1	11.1	11.1	10.6	10.4	11.6	11.3	11.3	11.7
G131.0	11.4	11.3	11.2	11.1	10.7	10.5	11.7	11.5	11.5	11.9
G132.0	11.6	11.5	11.4	11.4	10.8	10.7	11.9	11.6	11.7	12.0
G133.0	11.7	11.7	11.5	11.5	11.1	10.9	12.1	11.8	11.9	12.2
G134.0	11.8	11.8	11.6	11.7	11.2	11.0	12.2	11.9	12.0	12.3
G135.0	11.9	12.0	11.9	11.8	11.4	11.2	12.3	12.0	12.3	12.5
G136.0	12.1	12.1	12.0	11.9	11.5	11.4	12.6	12.1	12.4	12.7
G137.0	12.3	12.3	12.2	12.1	11.8	11.5	12.8	12.3	12.5	12.8
G138.0	12.5	12.5	12.3	12.3	11.9	11.7	12.9	12.5	12.7	13.0
G139.0	12.6	12.6	12.5	12.4	12.1	11.8	13.1	12.6	12.9	13.1
G140.0	12.7	12.7	12.7	12.5	12.1	11.9	13.2	12.7	12.9	13.3
G141.0	12.9	12.9	12.9	12.6	12.3	12.1	13.4	12.9	13.1	13.4
G142.0	13.0	13.1	13.0	12.8	12.4	12.3	13.5	13.0	13.2	13.5
G143.0	13.2	13.3	13.1	12.9	12.6	12.4	13.6	13.2	13.3	13.7
G144.0	13.3	13.4	13.3	13.1	12.8	12.6	13.8	13.3	13.4	13.8
G145.0	13.4	13.6	13.3	13.2	12.9	12.8	13.9	13.4	13.5	13.9
G146.0	13.6	13.7	13.5	13.4	13.1	12.9	14.0	13.5	13.6	14.1
G147.0	13.8	13.8	13.6	13.5	13.2	13.1	14.1	13.6	13.8	14.0

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:

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	13.9	13.9	13.8	13.6	13.3	13.2	14.3	13.8	13.8	14.2
G149.0	14.0	14.1	13.9	13.8	13.5	13.4	14.4	13.9	13.9	14.2
G150.0	14.1	14.2	14.1	13.8	13.6	13.5	14.5	14.1	14.1	14.3
G151.0	14.3	14.4	14.2	14.0	13.8	13.6	14.5	14.2	14.3	14.5
G152.0	14.3	14.5	14.3	14.0	13.9	13.8	14.6	14.4	14.4	14.6
G153.0	14.4	14.6	14.4	14.2	13.9	14.0	14.8	14.5	14.5	14.7
G154.0	14.6	14.7	14.6	14.3	14.1	14.2	14.9	14.6	14.6	14.9
G155.0	14.6	14.8	14.6	14.4	14.2	14.3	14.9	14.7	14.7	14.9
G156.0	14.8	14.9	14.8	14.5	14.3	14.4	15.0	14.9	14.8	15.0
G157.0	14.9	15.0	14.9	14.6	14.4	14.5	15.1	14.9	14.9	15.1
G158.0	15.0	15.1	15.1	14.8	14.6	14.8	15.2	15.1	15.1	15.2
G159.0	15.2	15.2	15.2	14.9	14.7	14.9	15.4	15.2	15.2	15.4
G160.0	15.3	15.3	15.3	15.0	14.8	15.0	15.6	15.3	15.3	15.5
G161.0	15.3	15.4	15.4	15.1	14.9	15.1	15.7	15.5	15.5	15.6
G162.0	15.5	15.6	15.6	15.2	15.0	15.3	15.8	15.6	15.6	15.7
G163.0	15.5	15.7	15.8	15.4	15.1	15.4	15.9	15.8	15.8	15.9
G164.0	15.6	15.8	15.9	15.5	15.3	15.5	16.1	15.9	15.8	16.1
G165.0	15.9	15.9	16.0	15.6	15.4	15.6	16.3	16.0	16.0	16.3
G166.0	16.0	16.0	16.2	15.7	15.6	15.8	16.4	16.2	16.2	16.4
G167.0	16.1	16.2	16.3	15.9	15.8	16.0	16.5	16.3	16.4	16.5
G168.0	16.3	16.3	16.4	16.0	15.9	16.1	16.6	16.4	16.4	16.7
G169.0	16.5	16.4	16.5	16.3	16.0	16.3	16.7	16.4	16.5	16.8
G170.0	16.5	16.5	16.6	16.5	16.2	16.4	16.8	16.5	16.6	16.9
G171.0	16.6	16.7	16.7	16.6	16.3	16.5	16.8	16.6	16.6	17.0
G172.0	16.7	16.8	16.8	16.8	16.4	16.6	16.9	16.7	16.7	17.0
G173.0	16.9	16.8	16.9	16.9	16.5	16.7	17.0	16.7	16.7	17.1
G174.0	16.9	16.9	16.9	17.0	16.5	16.8	17.0	16.8	16.8	17.2
G175.0	17.0	16.9	17.0	17.1	16.6	16.8	17.1	16.8	16.9	17.2
G176.0	17.1	17.0	17.0	17.1	16.6	16.9	17.2	16.8	16.9	17.3
G177.0	17.2	17.0	17.0	17.2	16.7	16.9	17.2	16.9	17.0	17.3
G178.0	17.2	17.0	17.0	17.3	16.8	16.9	17.2	16.9	17.0	17.4
G179.0	17.2	17.0	17.0	17.3	16.9	17.0	17.2	17.0	17.0	17.4
G180.0	17.1	17.0	17.0	17.3	16.9	17.0	17.3	16.9	17.0	17.4

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	814.5	814.1	815.3							
G1.0	814.8	814.4	814.7							
G2.0	815.0	812.5	814.2							
G3.0	814.2	812.5	812.7							
G4.0	813.3	810.8	811.3							
G5.0	811.9	809.6	809.8							
G6.0	810.7	808.1	807.9							
G7.0	809.2	805.8	805.7							
G8.0	807.4	803.2	802.8							
G9.0	805.0	800.5	800.0							
G10.0	802.0	798.1	798.3							
G11.0	798.5	795.2	794.0							
G12.0	795.6	791.2	790.8							
G13.0	793.5	788.2	786.6							
G14.0	789.4	783.9	782.5							
G15.0	786.2	779.9	777.7							
G16.0	780.8	775.0	773.5							
G17.0	776.9	770.8	768.4							
G18.0	772.0	765.8	764.1							
G19.0	766.2	760.4	757.8							
G20.0	762.2	754.0	752.5							
G21.0	756.0	749.3	747.0							
G22.0	750.3	742.6	739.5							
G23.0	744.7	736.8	733.9							
G24.0	737.5	729.9	726.2							
G25.0	732.0	723.6	720.0							
G26.0	725.1	716.5	712.7							
G27.0	717.7	709.4	704.6							
G28.0	710.9	701.6	697.8							
G29.0	703.3	693.4	689.2							
G30.0	695.4	685.7	681.2							
G31.0	688.1	677.5	672.8							
G32.0	679.2	668.6	664.1							
G33.0	670.7	660.6	655.8							
G34.0	663.8	652.0	647.1							
G35.0	653.3	641.7	636.6							
G36.0	644.7	633.3	628.1							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	636.1	623.7	618.5							
G38.0	626.2	613.5	608.3							
G39.0	615.7	603.9	598.1							
G40.0	606.5	593.2	587.4							
G41.0	596.2	583.0	577.1							
G42.0	586.3	573.7	566.5							
G43.0	575.5	561.9	555.1							
G44.0	565.5	551.5	544.9							
G45.0	553.5	539.6	533.7							
G46.0	543.1	528.3	521.9							
G47.0	531.8	517.5	511.2							
G48.0	519.8	505.1	498.3							
G49.0	509.3	494.8	487.4							
G50.0	498.1	483.2	475.1							
G51.0	484.9	470.1	462.9							
G52.0	473.8	458.0	450.5							
G53.0	461.2	444.8	437.4							
G54.0	449.2	432.9	425.1							
G55.0	437.0	420.7	412.6							
G56.0	424.2	407.1	399.1							
G57.0	411.5	394.6	386.7							
G58.0	399.0	383.2	374.0							
G59.0	385.4	369.0	360.7							
G60.0	372.8	356.4	347.5							
G61.0	359.9	342.6	334.0							
G62.0	346.7	329.6	321.0							
G63.0	334.2	317.1	308.1							
G64.0	320.6	303.4	293.6							
G65.0	307.4	290.0	281.2							
G66.0	295.0	277.5	268.4							
G67.0	280.4	263.0	254.0							
G68.0	268.1	250.6	241.2							
G69.0	253.6	235.9	227.1							
G70.0	240.9	223.8	213.9							
G71.0	228.0	210.7	201.2							
G72.0	214.4	197.0	187.6							
G73.0	201.9	184.6	174.9							

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	188.9	171.9	162.5							
G75.0	175.3	158.6	148.8							
G76.0	163.1	146.0	136.2							
G77.0	149.7	133.1	123.3							
G78.0	138.2	120.8	111.1							
G79.0	125.9	109.4	99.5							
G80.0	113.2	96.9	86.5							
G81.0	101.4	85.3	75.4							
G82.0	90.3	74.6	64.6							
G83.0	77.8	62.4	52.4							
G84.0	67.2	52.1	42.2							
G85.0	55.7	41.3	30.7							
G86.0	45.2	31.1	20.8							
G87.0	35.5	21.9	11.8							
G88.0	24.9	12.0	3.4							
G89.0	16.0	4.7	3.0							
G90.0	6.8	3.5	3.2							
G91.0	3.5	3.7	3.4							
G92.0	3.7	3.8	3.5							
G93.0	3.8	4.0	3.8							
G94.0	4.1	4.4	4.0							
G95.0	4.3	4.6	4.2							
G96.0	4.5	4.8	4.3							
G97.0	4.8	5.0	4.6							
G98.0	5.1	5.3	4.8							
G99.0	5.2	5.5	5.1							
G100.0	5.5	5.7	5.2							
G101.0	5.7	6.0	5.4							
G102.0	5.9	6.3	5.7							
G103.0	6.3	6.4	5.9							
G104.0	6.5	6.7	6.2							
G105.0	6.7	6.9	6.4							
G106.0	7.0	7.2	6.6							
G107.0	7.3	7.4	6.8							
G108.0	7.5	7.6	7.0							
G109.0	7.7	7.8	7.2							
G110.0	8.0	8.0	7.5							

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:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	8.1	8.3	7.7							
G112.0	8.4	8.4	8.0							
G113.0	8.5	8.7	8.1							
G114.0	8.8	8.9	8.4							
G115.0	8.9	9.1	8.6							
G116.0	9.2	9.3	8.8							
G117.0	9.4	9.5	9.0							
G118.0	9.6	9.7	9.1							
G119.0	9.7	9.9	9.4							
G120.0	9.9	10.1	9.5							
G121.0	10.1	10.3	9.7							
G122.0	10.3	10.6	9.9							
G123.0	10.4	10.7	10.0							
G124.0	10.6	10.9	10.2							
G125.0	10.8	11.1	10.4							
G126.0	10.9	11.2	10.6							
G127.0	11.1	11.4	10.7							
G128.0	11.3	11.6	10.9							
G129.0	11.6	11.8	11.1							
G130.0	11.7	11.9	11.3							
G131.0	11.8	12.1	11.4							
G132.0	12.0	12.2	11.6							
G133.0	12.1	12.4	11.7							
G134.0	12.4	12.4	11.8							
G135.0	12.5	12.7	11.9							
G136.0	12.6	12.8	12.1							
G137.0	12.8	12.9	12.3							
G138.0	12.9	13.1	12.5							
G139.0	13.1	13.2	12.6							
G140.0	13.1	13.4	12.7							
G141.0	13.3	13.5	12.9							
G142.0	13.4	13.6	13.0							
G143.0	13.5	13.7	13.2							
G144.0	13.7	13.9	13.3							
G145.0	13.8	14.0	13.4							
G146.0	13.9	14.1	13.6							
G147.0	14.0	14.2	13.8							

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	14.0	14.3	13.9							
G149.0	14.2	14.4	14.0							
G150.0	14.4	14.6	14.1							
G151.0	14.5	14.7	14.3							
G152.0	14.6	14.8	14.3							
G153.0	14.7	14.9	14.4							
G154.0	14.8	15.0	14.6							
G155.0	14.9	15.1	14.6							
G156.0	15.1	15.2	14.8							
G157.0	15.2	15.3	14.9							
G158.0	15.3	15.4	15.0							
G159.0	15.5	15.6	15.2							
G160.0	15.5	15.6	15.3							
G161.0	15.7	15.8	15.3							
G162.0	15.9	15.9	15.5							
G163.0	15.9	16.0	15.5							
G164.0	16.1	16.0	15.6							
G165.0	16.3	16.1	15.9							
G166.0	16.4	16.2	16.0							
G167.0	16.5	16.3	16.1							
G168.0	16.6	16.5	16.3							
G169.0	16.7	16.6	16.5							
G170.0	16.7	16.7	16.5							
G171.0	16.8	16.7	16.6							
G172.0	16.8	16.8	16.7							
G173.0	16.8	16.8	16.9							
G174.0	16.8	16.8	16.9							
G175.0	16.9	16.9	17.0							
G176.0	16.9	16.9	17.1							
G177.0	16.9	16.9	17.2							
G178.0	16.9	17.0	17.2							
G179.0	16.9	17.0	17.2							
G180.0	17.0	17.0	17.1							

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: