Report No.: 202601201830 Test Time: 2026-01-20 18:31

Luminaire Property

Luminaire Manufacturer:
Luminaire Description: ASD-LPR-16D32MV-SM-RGBIC-WH-5000K
Voltage: 121.3 V Current: 0.399 A
Power: 29.45 W Power Factor: 0.607

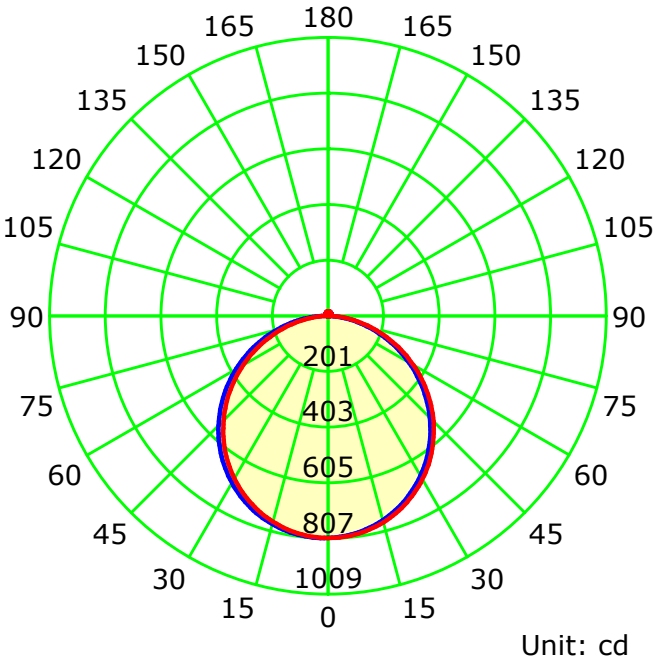
Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2402.3 lm
Measurement Flux: 2402.3 lm Efficiency: 100%
Downward Ratio: 97% Upward Ratio: 3%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.2, 163.4, 163.8, 163.8
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.6, 112.8, 113.3, 113.3
Luminaire Efficacy Rating (LER): 81.62 Central Intensity: 805.2 cd
Max. Intensity: 807.58 cd Pos of Max. Intensity: H150 V3
S/MH(C0/C180): 1.26 S/MH(C90/C270): 1.26

Picture Of Luminaire



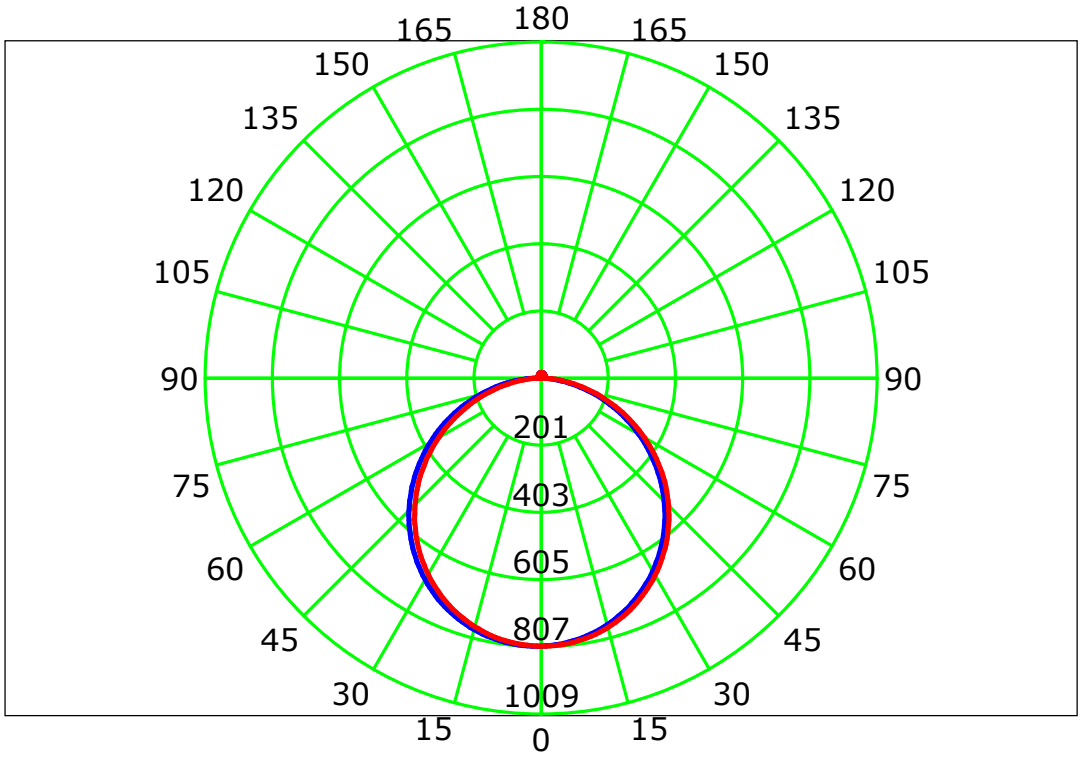
Luminous Intensity Distribution Curve

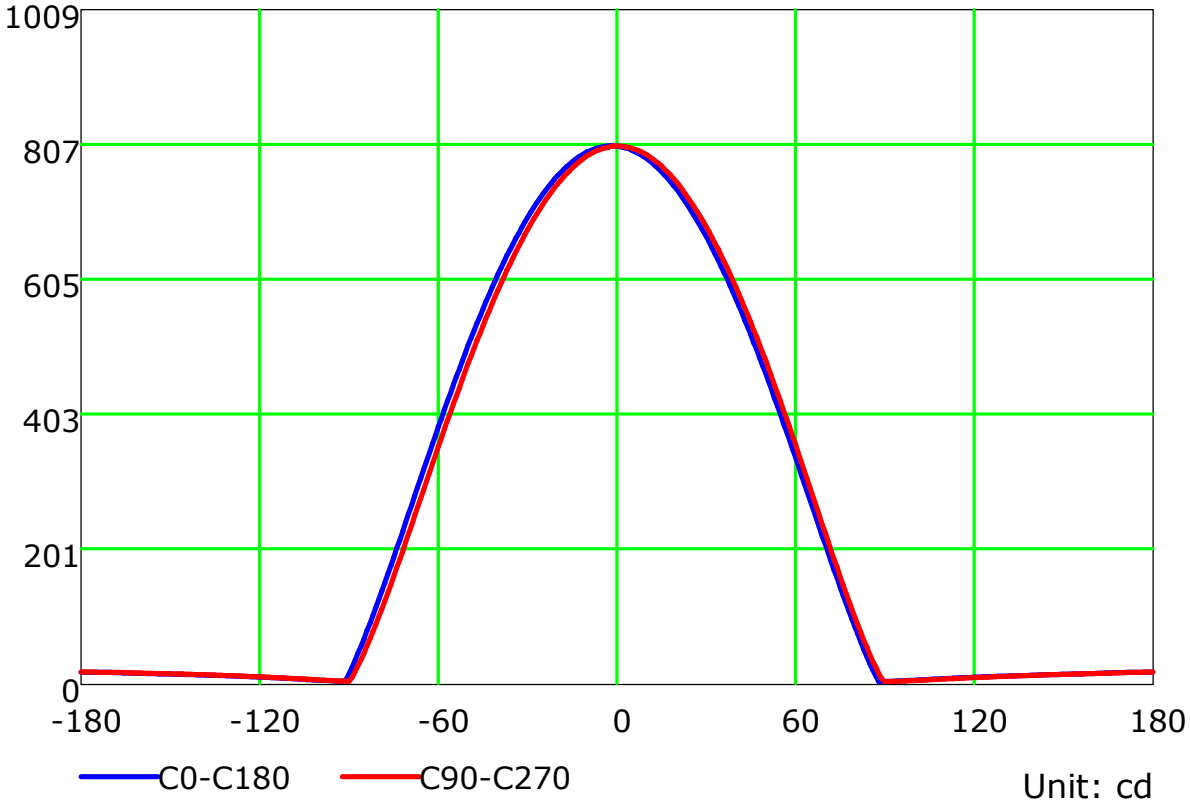


Unit: cd
Average Diffuse Angle(50%): 113.2°
C0-C180 C90-C270

C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 8.432 m
Temperature: Humidity:
Operator: OQC1 Inspector:

Luminous Intensity Distribution Curve

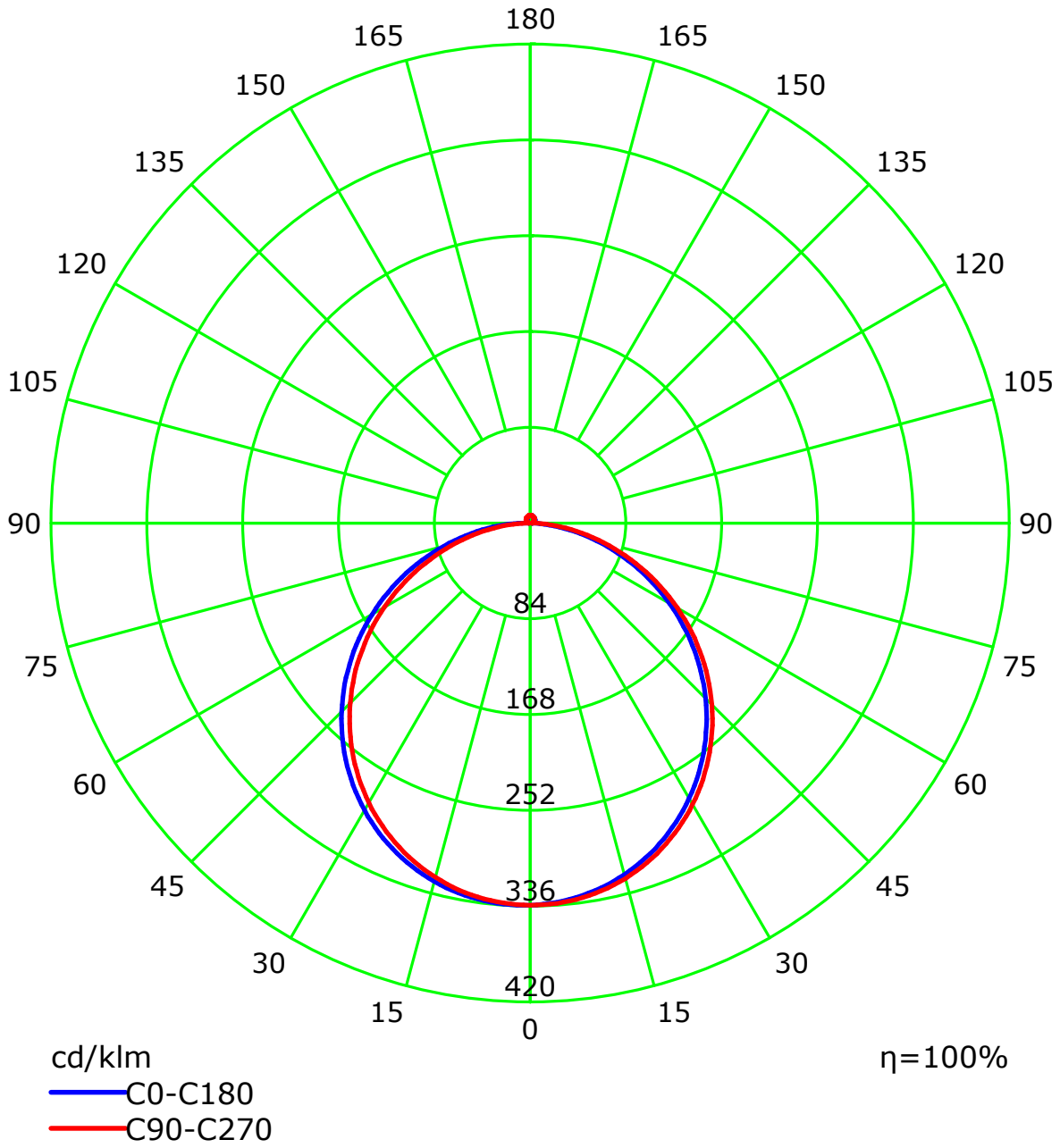




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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

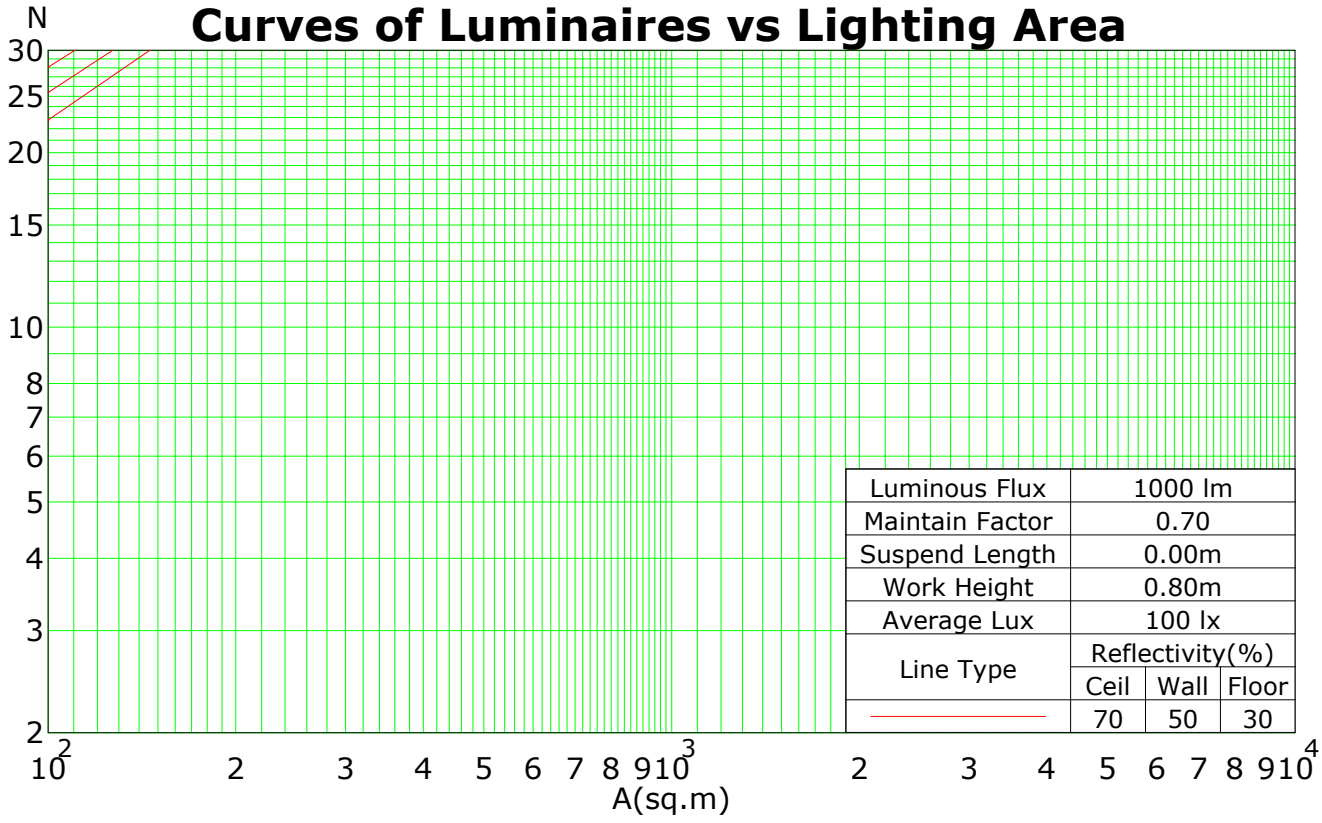
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

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	97
1	108	103	99	95	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	90	83	77	95	87	81	76	83	78	74	80	75	71	76	73	69	67
3	89	78	70	64	86	77	69	63	73	67	61	70	65	60	67	63	59	56
4	82	69	61	54	79	68	60	53	65	58	52	62	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	49	44	54	48	44	41
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	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	28
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): 1.26
Spacing Criteria (90-270): 1.26
Spacing Criteria (Diagonal): 1.38

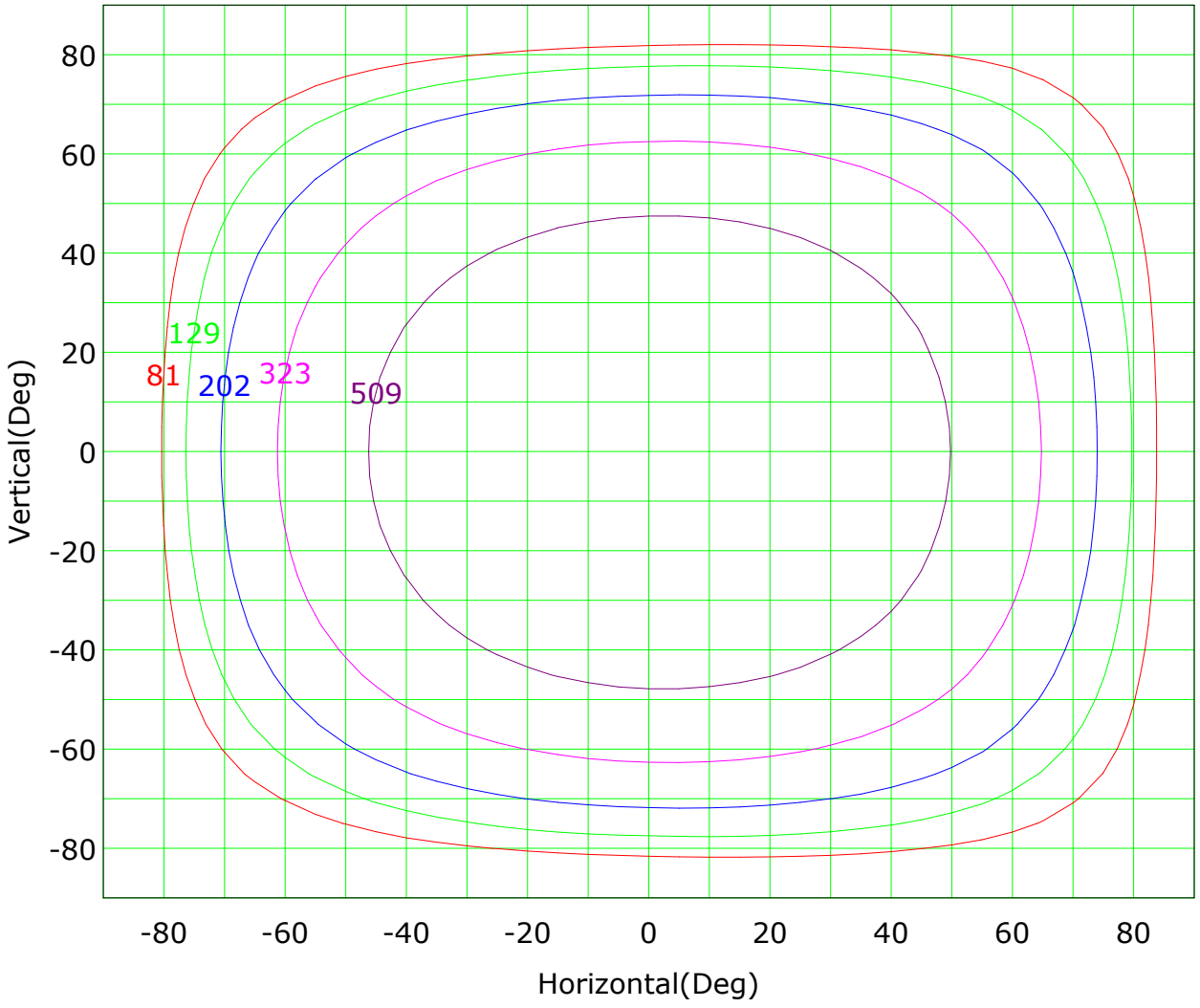
Curves of Luminaires vs Lighting Area



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)



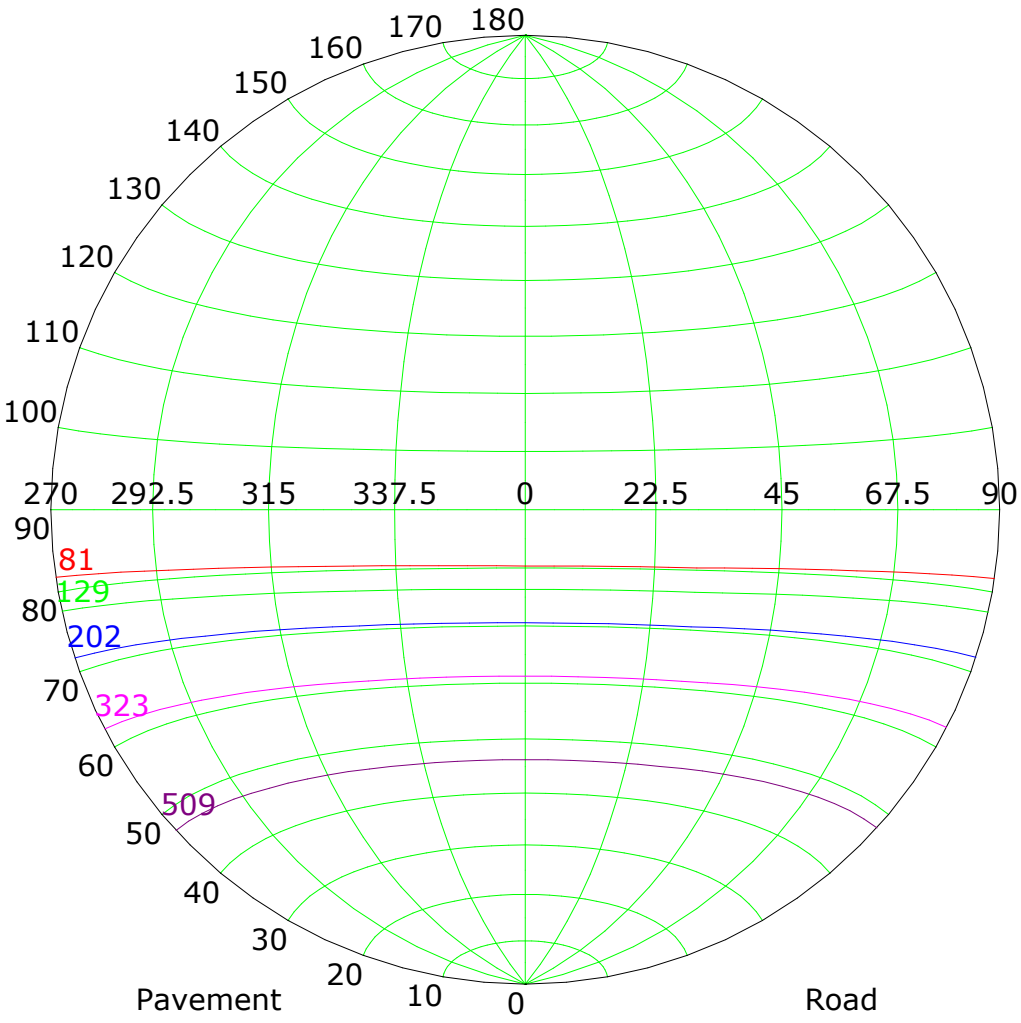
Imax (100%): 808 cd

(10%): 81 cd	(16%): 129 cd
(25%): 202 cd	(40%): 323 cd
(63%): 509 cd	(100%): 808 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)



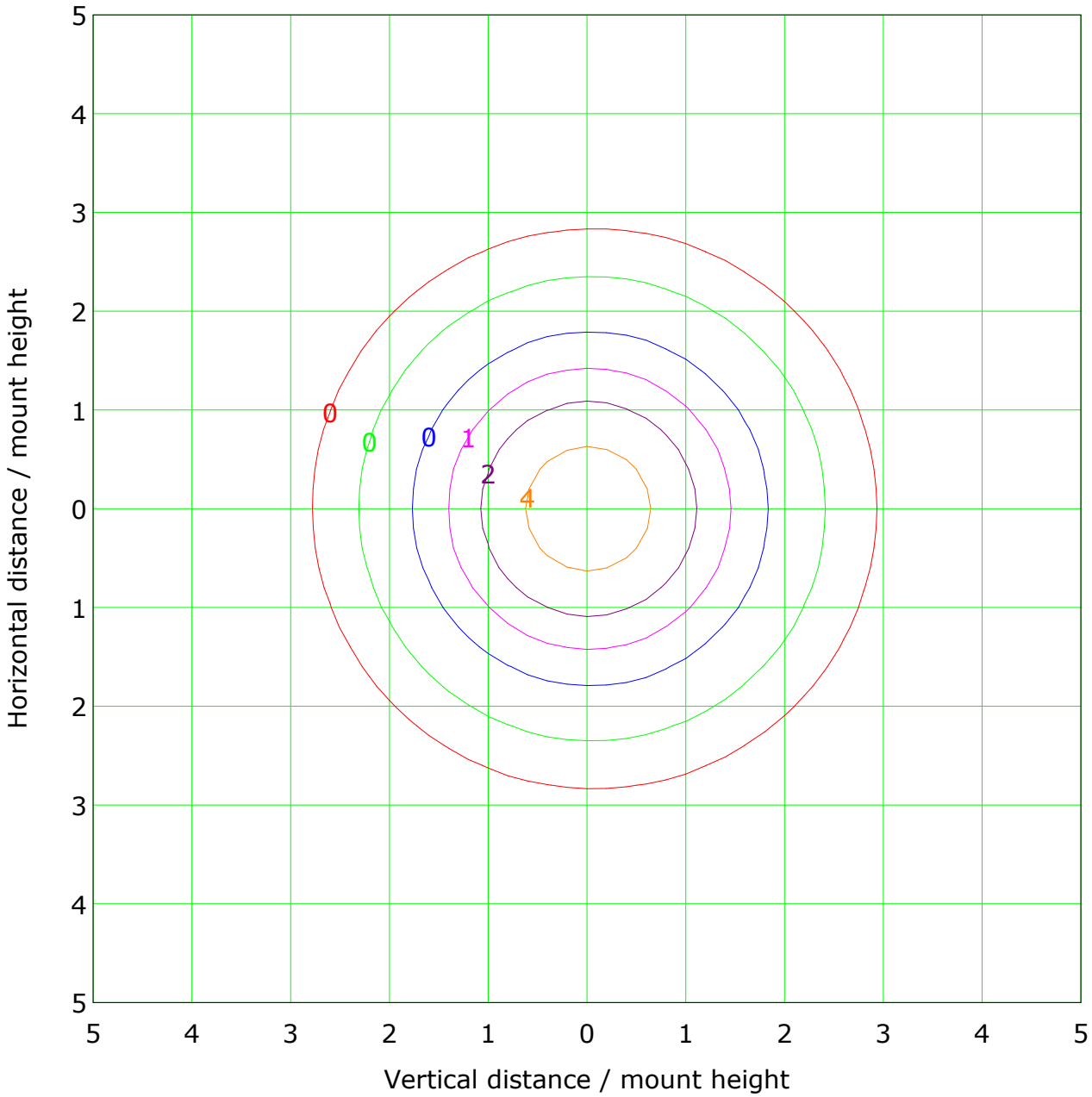
Imax (100%): 808 cd

(10%): 81 cd	(16%): 129 cd
(25%): 202 cd	(40%): 323 cd
(63%): 509 cd	(100%): 808 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



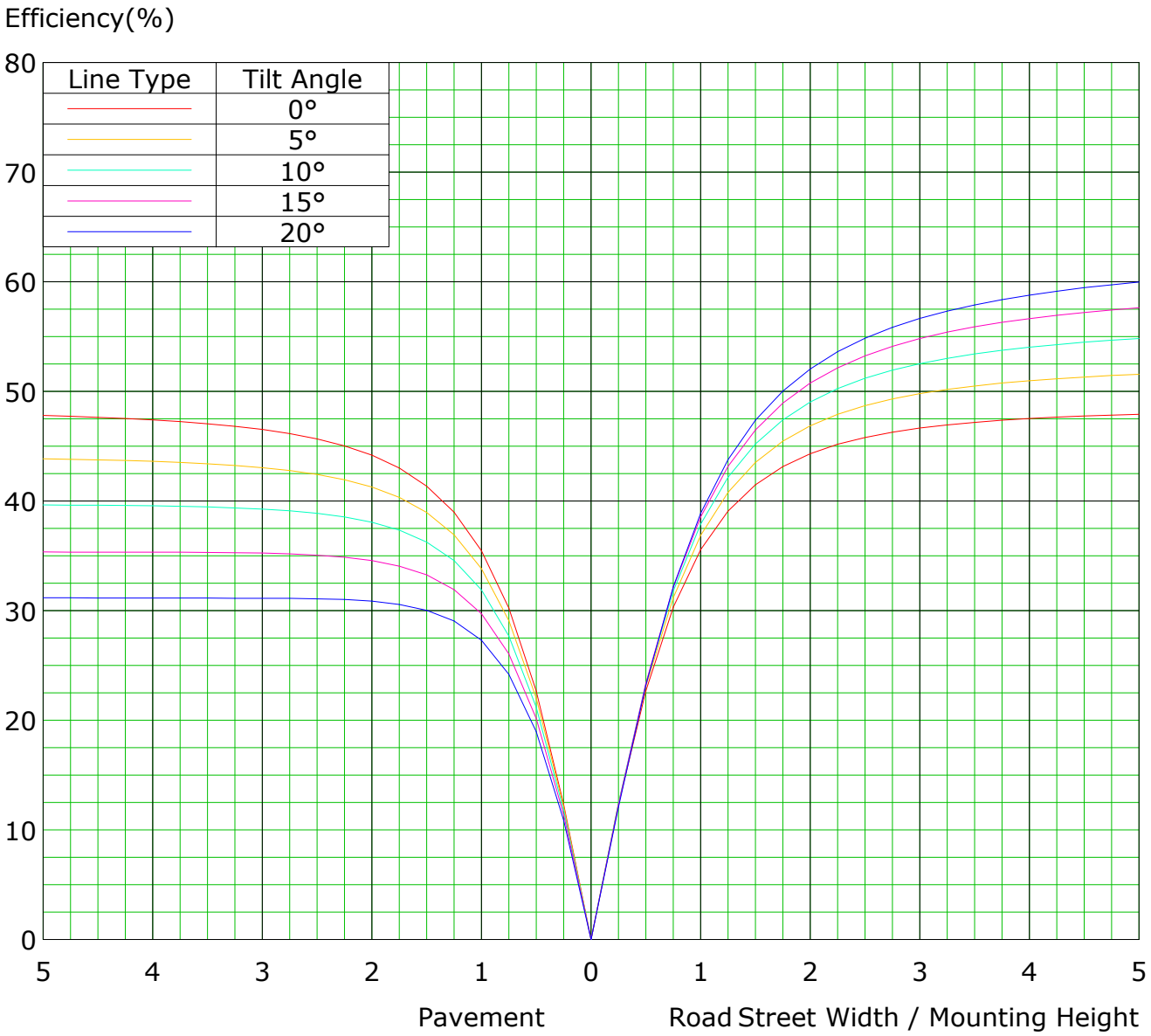
Mounting Height: 10.0m Max Lux(100%): 8.1 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.4 lx	(10%): 0.8 lx
(20%): 1.6 lx	(50%): 4.0 lx
(100%): 8.1 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:

Roadway CU Curve

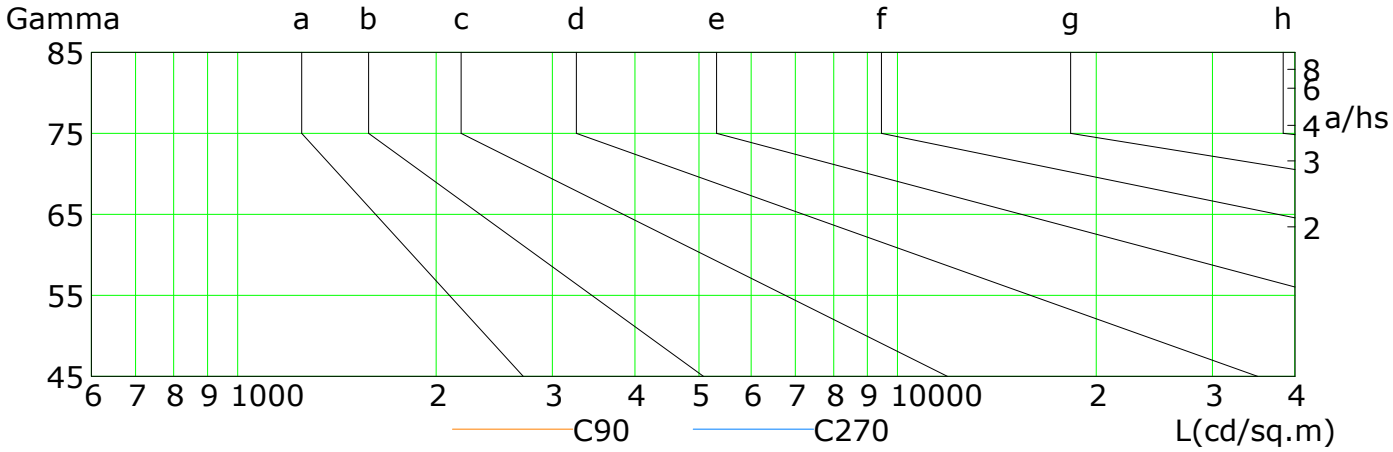


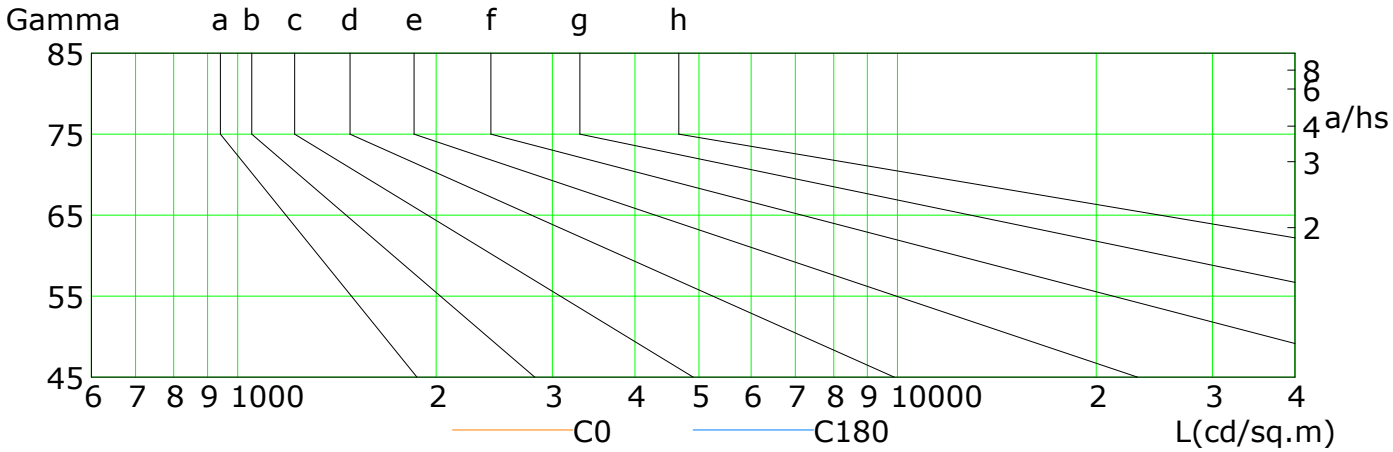
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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

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



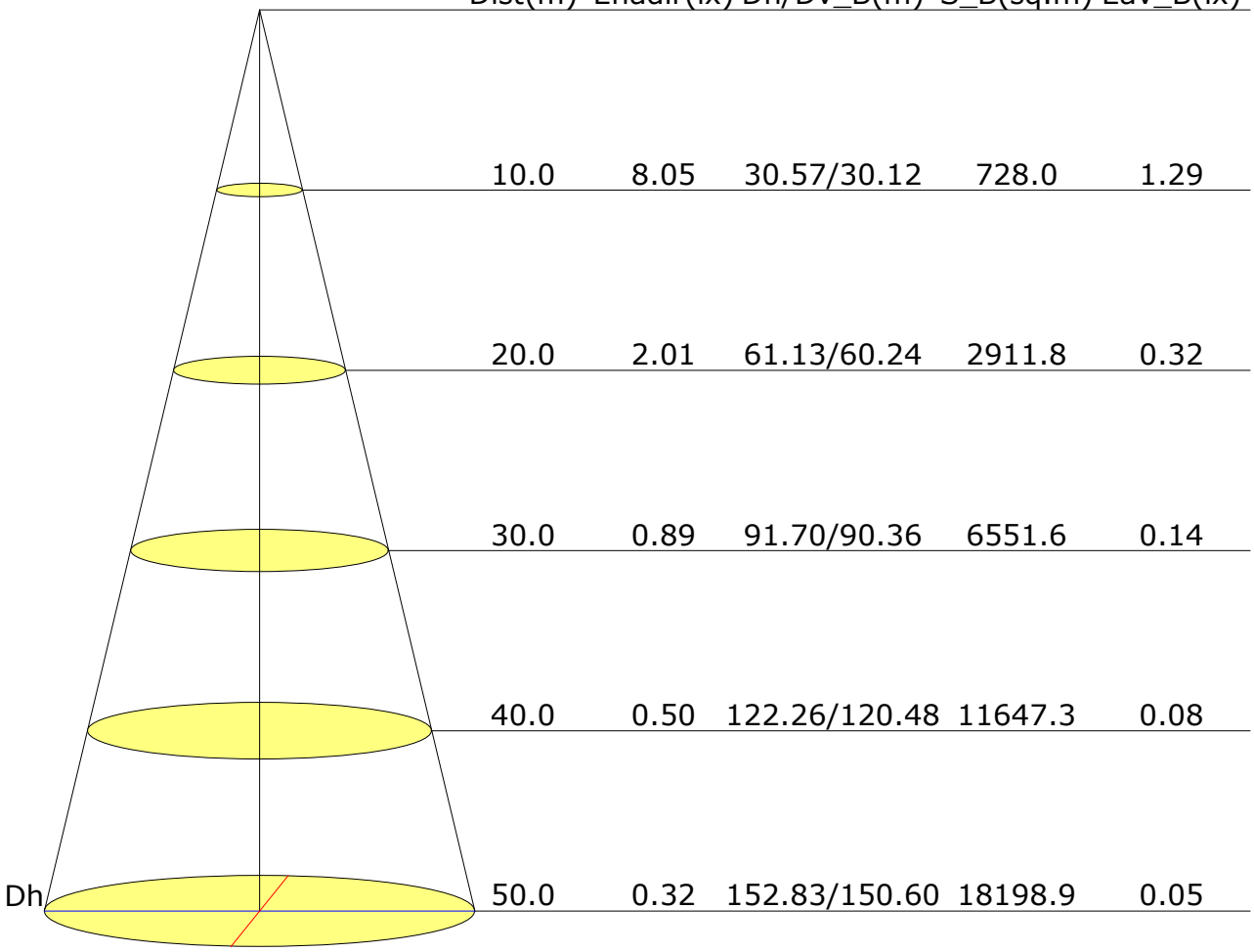


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	523	465	403	339	274	209	145	85	30
C90	542	484	423	359	292	226	160	99	43
C180	562	507	448	385	321	255	189	126	67
C270	536	480	419	355	290	224	161	100	46

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



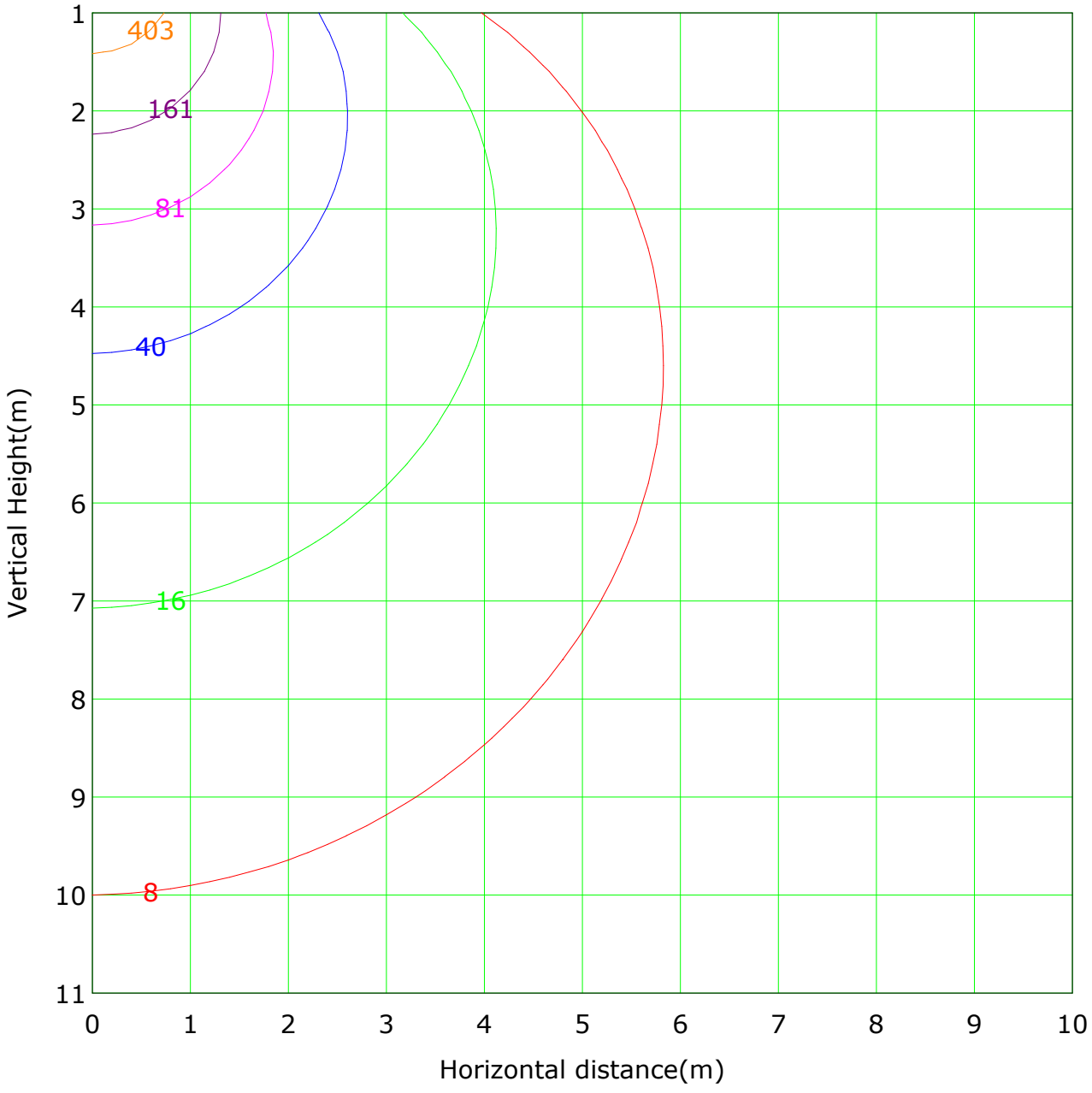
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
10.0	8.05	30.57/30.12	728.0	1.29
20.0	2.01	61.13/60.24	2911.8	0.32
30.0	0.89	91.70/90.36	6551.6	0.14
40.0	0.50	122.26/120.48	11647.3	0.08
50.0	0.32	152.83/150.60	18198.9	0.05

Beam Angle(B): H113.6 V112.8 Field Angle(F): H164.2 V163.4

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:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 805.2 lx

(1%): 8.1 lx
(2%): 16.1 lx
(5%): 40.3 lx
(10%): 80.5 lx
(20%): 161.0 lx
(50%): 402.6 lx
(100%): 805.2 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 8.432 m
Temperature:
Humidity:
Operator: OQC1
Inspector:

Area Flux Table

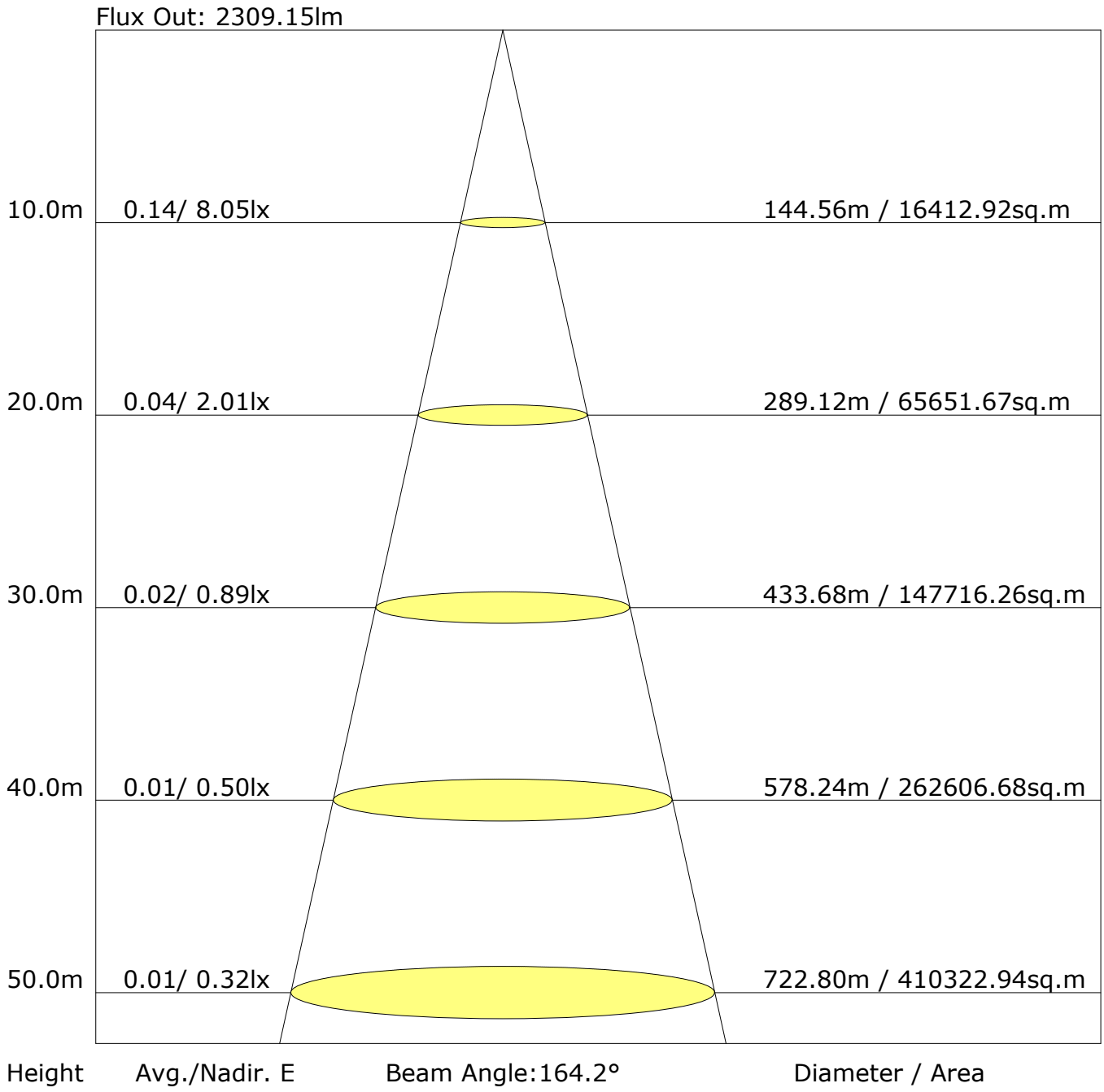
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	2.8	1.3
-90	0.2	0.4	0.7	0.9	1.1	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.2	1.1	0.9	0.6	0.2	0.0	17.8	16.0
-80	0.5	1.0	1.7	2.3	2.8	3.3	3.7	4.0	4.1	4.1	4.0	3.7	3.3	2.8	2.3	1.7	1.0	0.4	0.0	46.8	45.0
-70	0.7	1.8	3.0	4.2	5.3	6.3	7.0	7.5	7.8	7.8	7.5	7.0	6.3	5.3	4.2	3.0	1.8	0.7	0.0	87.2	85.4
-60	1.0	2.7	4.6	6.4	8.2	9.7	10.8	11.6	12.0	12.0	11.6	10.8	9.6	8.2	6.4	4.6	2.7	0.9	0.0	133.9	132.0
-50	1.2	3.5	6.1	8.7	11.1	13.1	14.7	15.8	16.3	16.3	15.7	14.7	13.0	11.0	8.6	6.1	3.5	1.2	0.0	180.7	178.8
-40	1.4	4.2	7.4	10.7	13.6	16.1	18.1	19.5	20.1	20.1	19.4	18.0	16.0	13.5	10.6	7.5	4.2	1.3	0.0	221.6	219.8
-30	1.5	4.7	8.4	12.1	15.5	18.3	20.6	22.1	22.9	22.8	22.0	20.4	18.2	15.3	12.0	8.4	4.7	1.4	0.0	251.2	249.4
-20	1.5	4.9	8.8	12.8	16.4	19.4	21.8	23.4	24.2	24.2	23.3	21.7	19.3	16.2	12.7	8.8	4.9	1.4	0.0	265.8	263.9
-10	1.4	4.8	8.7	12.7	16.2	19.2	21.6	23.3	24.1	24.1	23.2	21.5	19.1	16.1	12.5	8.7	4.8	1.3	0.0	263.5	261.6
0	1.3	4.4	8.0	11.7	15.0	17.9	20.1	21.6	22.4	22.4	21.6	20.0	17.8	14.9	11.6	8.0	4.4	1.2	0.0	244.5	242.5
10	1.0	3.8	6.9	10.1	13.0	15.4	17.4	18.7	19.4	19.4	18.7	17.4	15.4	12.9	10.0	6.9	3.8	1.0	0.0	211.1	209.2
20	0.8	3.0	5.4	8.0	10.3	12.3	13.9	14.9	15.5	15.5	15.0	13.8	12.3	10.3	7.9	5.4	3.0	0.8	0.0	167.9	165.9
30	0.5	2.1	3.9	5.7	7.3	8.8	10.0	10.8	11.2	11.2	10.8	10.0	8.8	7.4	5.7	3.9	2.1	0.5	0.0	120.5	118.5
40	0.3	1.3	2.4	3.5	4.6	5.5	6.2	6.8	7.0	7.0	6.8	6.3	5.5	4.6	3.5	2.4	1.3	0.3	0.0	75.1	73.1
50	0.1	0.6	1.2	1.7	2.3	2.8	3.1	3.4	3.6	3.6	3.4	3.2	2.8	2.3	1.8	1.2	0.6	0.1	0.0	37.6	35.6
60	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.2	1.2	1.1	1.1	0.9	0.8	0.6	0.4	0.2	0.0	0.0	12.5	10.2
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3	0.0
80	13.5	43.6	77.6	111.5	142.8	169.8	191.2	206.0	213.6	213.7	206.4	191.8	170.6	143.6	112.0	76.6	43.2	12.8	0.0	2342	Flux(T)
90	2.7	40.4	76.6	111.0	142.5	169.6	191.0	205.8	213.4	213.6	206.2	191.6	170.3	143.2	111.5	76.6	39.8	2.4	0.0	Flux(T)	2308
Flux(E)	2.7	40.4	76.6	111.0	142.5	169.6	191.0	205.8	213.4	213.6	206.2	191.6	170.3	143.2	111.5	76.6	39.8	2.4	0.0	2308	Flux(E)

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

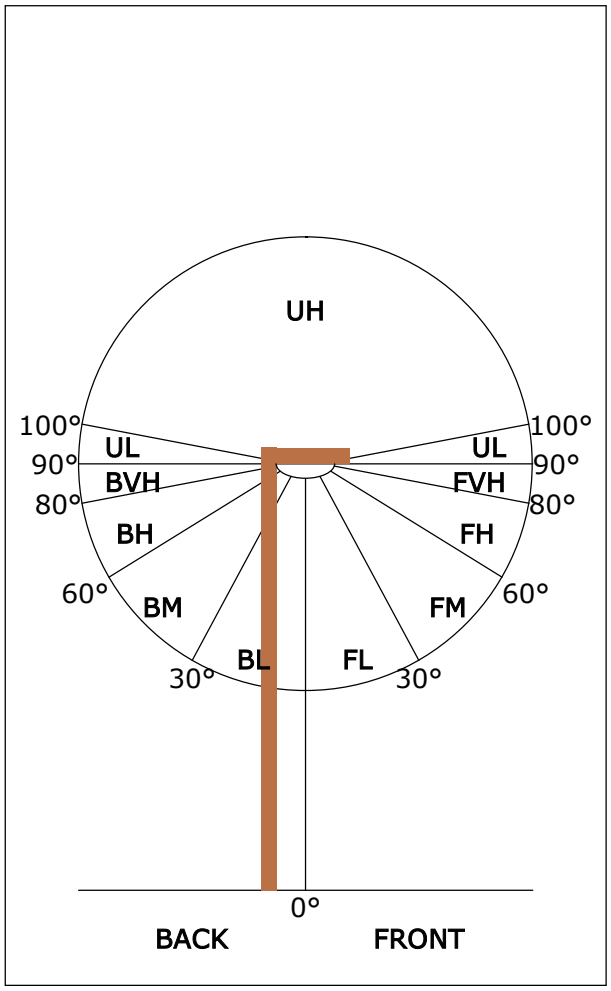
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 2402lm (8log(F/F0) = 3.0).

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



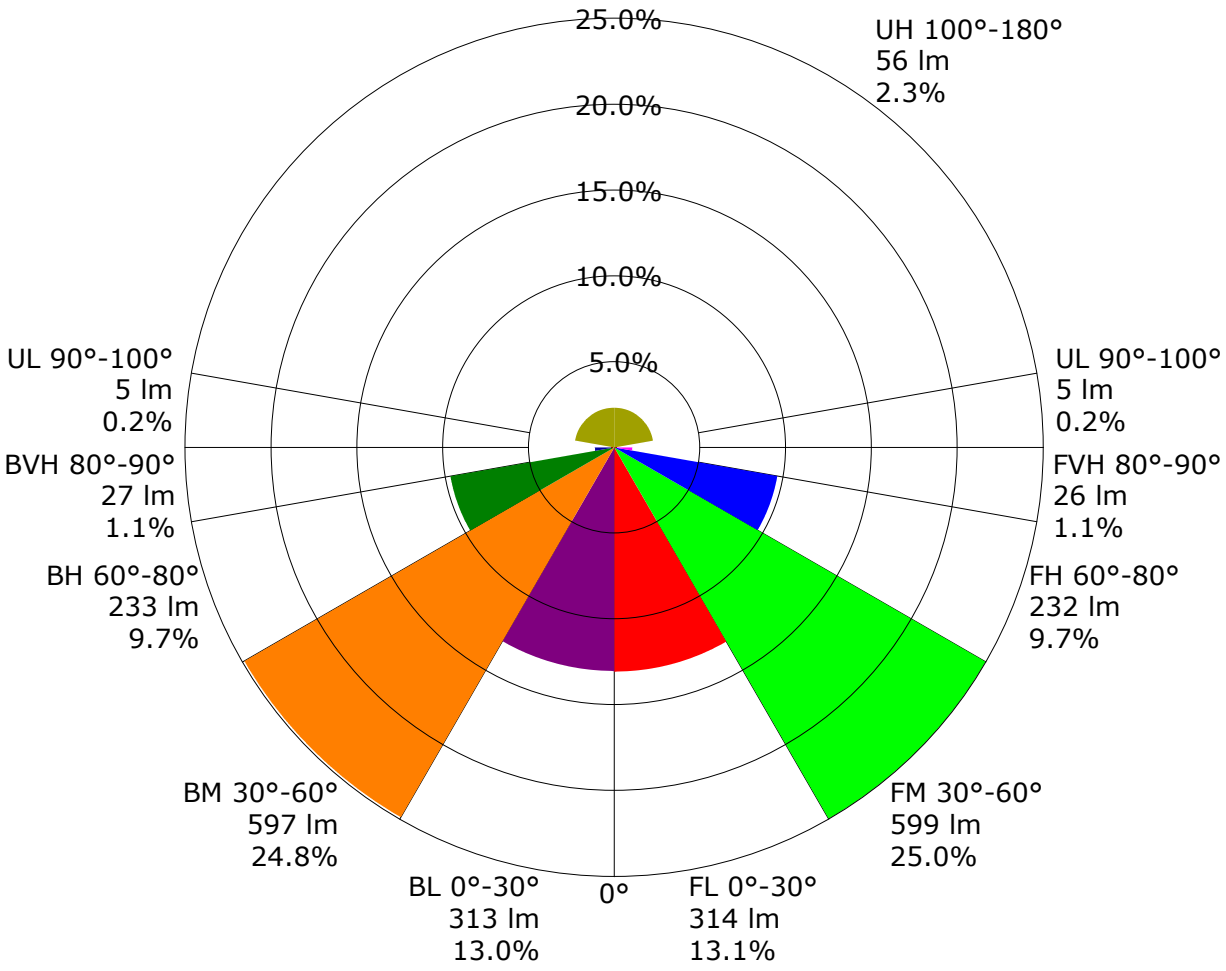
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1172	48.8
FL (0°-30°)	314	13.1
FM (30°-60°)	599	25.0
FH (60°-80°)	232	9.7
FVH (80°-90°)	26	1.1
BACK LIGHT	1170	48.7
BL (0°-30°)	313	13.0
BM (30°-60°)	597	24.8
BH (60°-80°)	233	9.7
BVH (80°-90°)	27	1.1
UP LIGHT	60	2.5
UL (90°-100°)	5	0.2
UH (100°-180°)	56	2.3
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) 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



Scale= MAX LCS%

Trapped Light:NA,NA

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Test Lab:
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
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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	0.94	0.99	1.02
	0.30		0.47	0.58	0.66	0.71	0.79	0.85	0.89	0.95	0.98
	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	0.97
	0.30		0.46	0.56	0.64	0.69	0.77	0.82	0.86	0.91	0.94
	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	0.72	0.79	0.83	0.86	0.91	0.93
	0.30		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91
	0.20		0.41	0.50	0.58	0.63	0.71	0.76	0.80	0.85	0.88
0.00	0.00	0.00	0.38	0.48	0.54	0.60	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

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(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	0.27	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	0.42	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	0.23	0.20
0.30	0.50	0.20	0.93	0.76	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	0.28	0.23	0.19
0.00	0.00	0.00	0.59	0.50	0.43	0.38	0.31	0.26	0.22	0.18	0.15

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Multiply UF values by service correction factors

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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(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	0.14	0.15	0.16	0.18	0.19	0.20	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	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.18	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Rating:29W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	805.6	0.8	0.8	0.03	0.03
1.0-2.0	805.3	2.3	3.1	0.10	0.13
2.0-3.0	804.8	3.8	6.9	0.16	0.29
3.0-4.0	804.0	5.4	12.3	0.22	0.51
4.0-5.0	802.9	6.9	19.2	0.29	0.80
5.0-6.0	801.5	8.4	27.6	0.35	1.15
6.0-7.0	799.8	9.9	37.6	0.41	1.56
7.0-8.0	797.9	11.4	49.0	0.48	2.04
8.0-9.0	795.7	12.9	61.9	0.54	2.58
9.0-10.0	793.3	14.4	76.3	0.60	3.17
10.0-11.0	790.5	15.8	92.0	0.66	3.83
11.0-12.0	787.5	17.2	109.3	0.72	4.55
12.0-13.0	784.3	18.6	127.9	0.77	5.32
13.0-14.0	780.6	20.0	147.9	0.83	6.16
14.0-15.0	776.7	21.3	169.2	0.89	7.04
15.0-16.0	772.5	22.6	191.8	0.94	7.99
16.0-17.0	768.1	23.9	215.8	1.00	8.98
17.0-18.0	763.7	25.2	240.9	1.05	10.03
18.0-19.0	758.7	26.4	267.3	1.10	11.13
19.0-20.0	753.5	27.6	294.9	1.15	12.28
20.0-21.0	748.3	28.7	323.7	1.20	13.47
21.0-22.0	742.5	29.8	353.5	1.24	14.72
22.0-23.0	736.4	30.9	384.4	1.29	16.00
23.0-24.0	730.1	31.9	416.3	1.33	17.33
24.0-25.0	723.6	32.9	449.2	1.37	18.70
25.0-26.0	717.1	33.9	483.1	1.41	20.11
26.0-27.0	710.1	34.7	517.8	1.45	21.56
27.0-28.0	702.8	35.6	553.4	1.48	23.04
28.0-29.0	695.6	36.4	589.8	1.52	24.55
29.0-30.0	687.8	37.1	627.0	1.55	26.10
30.0-31.0	679.8	37.8	664.8	1.58	27.67
31.0-32.0	671.6	38.5	703.3	1.60	29.28
32.0-33.0	663.1	39.1	742.3	1.63	30.90
33.0-34.0	654.8	39.6	782.0	1.65	32.55
34.0-35.0	645.9	40.1	822.1	1.67	34.22
35.0-36.0	636.7	40.5	862.6	1.69	35.91

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 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	627.8	40.9	903.6	1.70	37.61
37.0-38.0	618.2	41.3	944.9	1.72	39.33
38.0-39.0	608.5	41.5	986.4	1.73	41.06
39.0-40.0	598.5	41.7	1028.1	1.74	42.80
40.0-41.0	588.3	41.9	1070.0	1.74	44.54
41.0-42.0	578.4	42.0	1112.1	1.75	46.29
42.0-43.0	567.8	42.1	1154.1	1.75	48.04
43.0-44.0	557.1	42.1	1196.2	1.75	49.79
44.0-45.0	546.4	42.0	1238.2	1.75	51.54
45.0-46.0	535.2	41.9	1280.1	1.74	53.28
46.0-47.0	524.1	41.7	1321.7	1.74	55.02
47.0-48.0	512.7	41.5	1363.2	1.73	56.75
48.0-49.0	501.2	41.2	1404.4	1.71	58.46
49.0-50.0	490.0	40.9	1445.2	1.70	60.16
50.0-51.0	478.1	40.5	1485.7	1.68	61.84
51.0-52.0	466.0	40.0	1525.7	1.66	63.51
52.0-53.0	453.7	39.5	1565.1	1.64	65.15
53.0-54.0	441.4	38.9	1604.0	1.62	66.77
54.0-55.0	429.4	38.3	1642.4	1.60	68.37
55.0-56.0	416.9	37.7	1680.1	1.57	69.94
56.0-57.0	404.2	37.0	1717.0	1.54	71.47
57.0-58.0	392.0	36.3	1753.3	1.51	72.98
58.0-59.0	379.0	35.4	1788.7	1.48	74.46
59.0-60.0	366.0	34.6	1823.3	1.44	75.90
60.0-61.0	352.9	33.7	1857.0	1.40	77.30
61.0-62.0	339.9	32.8	1889.7	1.36	78.66
62.0-63.0	327.3	31.8	1921.6	1.33	79.99
63.0-64.0	314.0	30.8	1952.4	1.28	81.27
64.0-65.0	300.8	29.8	1982.2	1.24	82.51
65.0-66.0	288.1	28.8	2010.9	1.20	83.71
66.0-67.0	274.8	27.6	2038.6	1.15	84.86
67.0-68.0	261.6	26.5	2065.1	1.10	85.96
68.0-69.0	248.2	25.3	2090.4	1.05	87.02
69.0-70.0	234.9	24.1	2114.5	1.00	88.02
70.0-71.0	222.3	23.0	2137.5	0.96	88.98
71.0-72.0	209.1	21.7	2159.2	0.91	89.88

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	196.0	20.5	2179.7	0.85	90.74
73.0-74.0	183.6	19.3	2199.0	0.80	91.54
74.0-75.0	170.7	18.0	2217.1	0.75	92.29
75.0-76.0	157.9	16.8	2233.8	0.70	92.99
76.0-77.0	145.3	15.5	2249.3	0.65	93.63
77.0-78.0	132.8	14.2	2263.5	0.59	94.22
78.0-79.0	121.0	13.0	2276.5	0.54	94.77
79.0-80.0	109.0	11.7	2288.3	0.49	95.26
80.0-81.0	97.0	10.5	2298.8	0.44	95.69
81.0-82.0	85.8	9.3	2308.1	0.39	96.08
82.0-83.0	74.4	8.1	2316.2	0.34	96.42
83.0-84.0	63.2	6.9	2323.1	0.29	96.70
84.0-85.0	52.4	5.7	2328.8	0.24	96.94
85.0-86.0	41.8	4.6	2333.4	0.19	97.13
86.0-87.0	32.0	3.5	2336.9	0.15	97.28
87.0-88.0	22.4	2.5	2339.3	0.10	97.38
88.0-89.0	14.3	1.6	2340.9	0.07	97.44
89.0-90.0	8.7	1.0	2341.8	0.04	97.48
90.0-91.0	5.1	0.6	2342.4	0.02	97.51
91.0-92.0	3.7	0.4	2342.8	0.02	97.52
92.0-93.0	3.6	0.4	2343.2	0.02	97.54
93.0-94.0	3.8	0.4	2343.6	0.02	97.56
94.0-95.0	4.0	0.4	2344.1	0.02	97.58
95.0-96.0	4.2	0.5	2344.5	0.02	97.60
96.0-97.0	4.5	0.5	2345.0	0.02	97.62
97.0-98.0	4.7	0.5	2345.5	0.02	97.64
98.0-99.0	4.9	0.5	2346.1	0.02	97.66
99.0-100.0	5.1	0.6	2346.6	0.02	97.68
100.0-101.0	5.3	0.6	2347.2	0.02	97.71
101.0-102.0	5.6	0.6	2347.8	0.02	97.73
102.0-103.0	5.8	0.6	2348.4	0.03	97.76
103.0-104.0	6.0	0.6	2349.0	0.03	97.78
104.0-105.0	6.3	0.7	2349.7	0.03	97.81
105.0-106.0	6.5	0.7	2350.4	0.03	97.84
106.0-107.0	6.7	0.7	2351.1	0.03	97.87
107.0-108.0	7.0	0.7	2351.8	0.03	97.90

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	7.2	0.7	2352.6	0.03	97.93
109.0-110.0	7.4	0.8	2353.4	0.03	97.96
110.0-111.0	7.6	0.8	2354.1	0.03	98.00
111.0-112.0	7.9	0.8	2354.9	0.03	98.03
112.0-113.0	8.1	0.8	2355.8	0.03	98.06
113.0-114.0	8.3	0.8	2356.6	0.03	98.10
114.0-115.0	8.5	0.8	2357.4	0.04	98.13
115.0-116.0	8.7	0.9	2358.3	0.04	98.17
116.0-117.0	8.9	0.9	2359.2	0.04	98.21
117.0-118.0	9.1	0.9	2360.1	0.04	98.24
118.0-119.0	9.3	0.9	2360.9	0.04	98.28
119.0-120.0	9.5	0.9	2361.9	0.04	98.32
120.0-121.0	9.7	0.9	2362.8	0.04	98.36
121.0-122.0	9.9	0.9	2363.7	0.04	98.39
122.0-123.0	10.1	0.9	2364.6	0.04	98.43
123.0-124.0	10.2	0.9	2365.6	0.04	98.47
124.0-125.0	10.4	0.9	2366.5	0.04	98.51
125.0-126.0	10.6	0.9	2367.5	0.04	98.55
126.0-127.0	10.8	1.0	2368.4	0.04	98.59
127.0-128.0	11.0	1.0	2369.4	0.04	98.63
128.0-129.0	11.1	1.0	2370.3	0.04	98.67
129.0-130.0	11.3	1.0	2371.3	0.04	98.71
130.0-131.0	11.5	1.0	2372.2	0.04	98.75
131.0-132.0	11.6	1.0	2373.2	0.04	98.79
132.0-133.0	11.8	1.0	2374.1	0.04	98.83
133.0-134.0	12.0	1.0	2375.1	0.04	98.87
134.0-135.0	12.1	0.9	2376.0	0.04	98.91
135.0-136.0	12.3	0.9	2377.0	0.04	98.95
136.0-137.0	12.4	0.9	2377.9	0.04	98.99
137.0-138.0	12.6	0.9	2378.9	0.04	99.03
138.0-139.0	12.8	0.9	2379.8	0.04	99.06
139.0-140.0	12.9	0.9	2380.7	0.04	99.10
140.0-141.0	13.0	0.9	2381.6	0.04	99.14
141.0-142.0	13.2	0.9	2382.5	0.04	99.18
142.0-143.0	13.3	0.9	2383.4	0.04	99.21
143.0-144.0	13.5	0.9	2384.3	0.04	99.25

C Plane (°):0.0-360.0: 30.0
Test Lab:
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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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	13.6	0.9	2385.1	0.04	99.29
145.0-146.0	13.7	0.9	2386.0	0.04	99.32
146.0-147.0	13.9	0.8	2386.8	0.03	99.36
147.0-148.0	14.0	0.8	2387.7	0.03	99.39
148.0-149.0	14.1	0.8	2388.5	0.03	99.43
149.0-150.0	14.2	0.8	2389.3	0.03	99.46
150.0-151.0	14.3	0.8	2390.0	0.03	99.49
151.0-152.0	14.5	0.8	2390.8	0.03	99.52
152.0-153.0	14.6	0.7	2391.5	0.03	99.55
153.0-154.0	14.7	0.7	2392.3	0.03	99.58
154.0-155.0	14.8	0.7	2393.0	0.03	99.61
155.0-156.0	14.9	0.7	2393.6	0.03	99.64
156.0-157.0	15.0	0.7	2394.3	0.03	99.67
157.0-158.0	15.1	0.6	2394.9	0.03	99.69
158.0-159.0	15.3	0.6	2395.5	0.03	99.72
159.0-160.0	15.4	0.6	2396.1	0.02	99.74
160.0-161.0	15.5	0.6	2396.7	0.02	99.77
161.0-162.0	15.6	0.5	2397.2	0.02	99.79
162.0-163.0	15.8	0.5	2397.8	0.02	99.81
163.0-164.0	15.9	0.5	2398.3	0.02	99.83
164.0-165.0	16.0	0.5	2398.7	0.02	99.85
165.0-166.0	16.1	0.4	2399.2	0.02	99.87
166.0-167.0	16.3	0.4	2399.6	0.02	99.89
167.0-168.0	16.4	0.4	2400.0	0.02	99.90
168.0-169.0	16.5	0.4	2400.3	0.02	99.92
169.0-170.0	16.6	0.3	2400.7	0.01	99.93
170.0-171.0	16.8	0.3	2401.0	0.01	99.95
171.0-172.0	16.8	0.3	2401.2	0.01	99.96
172.0-173.0	16.9	0.2	2401.5	0.01	99.97
173.0-174.0	16.9	0.2	2401.7	0.01	99.98
174.0-175.0	17.0	0.2	2401.9	0.01	99.98
175.0-176.0	17.0	0.1	2402.0	0.01	99.99
176.0-177.0	17.1	0.1	2402.1	0.00	99.99
177.0-178.0	17.1	0.1	2402.2	0.00	100.00
178.0-179.0	17.1	0.0	2402.3	0.00	100.00
179.0-180.0	17.1	0.0	2402.3	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	805.2	805.2	805.2	805.3	806.4	806.6	805.2	805.2	805.2	805.3
G1.0	804.7	804.5	804.5	805.3	806.4	807.3	805.5	805.6	804.8	805.3
G2.0	803.7	803.5	804.3	804.9	806.0	807.5	805.9	805.4	804.9	804.8
G3.0	802.4	802.7	803.5	804.1	806.2	807.6	805.7	805.2	804.5	803.7
G4.0	801.4	801.3	802.3	803.6	805.4	807.1	805.0	804.8	803.8	802.6
G5.0	799.3	799.6	801.0	802.1	804.5	805.9	804.1	803.8	802.6	801.5
G6.0	797.1	797.9	799.2	800.6	803.2	805.0	803.2	802.8	801.1	799.9
G7.0	795.0	796.0	797.4	799.3	801.8	803.9	801.9	801.2	799.7	798.0
G8.0	792.4	792.9	795.0	797.0	799.9	802.2	800.3	799.7	797.7	795.7
G9.0	789.5	790.2	792.4	795.0	798.1	800.3	798.3	798.1	795.5	793.5
G10.0	786.7	787.2	789.8	792.3	795.6	798.3	796.5	796.1	793.2	790.8
G11.0	783.4	783.8	786.6	789.4	792.9	796.2	794.0	793.3	790.4	787.7
G12.0	779.9	780.4	783.4	786.3	790.3	793.5	791.6	790.8	787.3	784.4
G13.0	775.8	777.1	779.9	783.0	787.3	790.8	789.0	787.5	784.1	781.0
G14.0	771.3	772.4	775.7	779.3	783.1	787.5	785.4	784.4	780.4	776.5
G15.0	767.1	768.0	771.6	775.8	779.6	783.7	782.0	780.8	777.1	772.8
G16.0	762.2	763.2	767.1	771.0	775.3	779.7	778.1	776.4	772.3	768.2
G17.0	757.4	758.3	762.5	766.7	771.7	775.8	774.1	772.9	768.3	763.9
G18.0	752.0	753.6	757.6	762.1	767.3	772.1	770.2	768.8	763.9	759.1
G19.0	746.3	747.7	751.9	756.9	762.3	767.3	765.2	763.9	758.7	753.7
G20.0	741.0	742.6	746.8	751.6	757.5	762.3	760.8	759.2	753.5	748.5
G21.0	735.3	736.5	741.4	746.4	752.3	757.3	755.8	754.8	748.4	743.2
G22.0	728.5	729.9	734.8	740.0	746.2	751.4	750.3	748.6	742.3	736.8
G23.0	722.3	723.1	728.7	734.1	740.7	746.1	744.9	743.6	736.8	730.9
G24.0	715.1	716.2	721.8	727.4	734.2	740.2	739.0	737.0	730.3	724.3
G25.0	708.1	709.7	715.3	721.1	727.9	733.8	733.0	731.2	723.9	717.7
G26.0	701.3	702.3	708.4	714.3	721.7	727.8	727.0	725.0	717.7	710.5
G27.0	693.3	694.7	700.8	707.0	714.2	720.6	720.0	718.1	710.6	703.5
G28.0	686.1	687.2	693.3	699.8	707.6	714.2	713.2	711.2	703.2	696.1
G29.0	678.3	679.7	686.1	692.7	700.3	707.1	706.6	704.3	696.1	688.9
G30.0	670.1	671.0	677.4	684.3	692.4	699.3	698.3	696.6	687.9	680.3
G31.0	661.9	663.2	669.7	676.7	684.8	691.9	691.5	689.3	680.3	672.7
G32.0	652.8	653.5	660.5	668.2	676.3	683.4	683.4	680.8	671.8	663.6
G33.0	644.4	645.5	652.3	659.7	668.5	675.7	675.1	672.8	663.7	655.7
G34.0	635.4	637.0	643.6	651.5	660.1	667.8	667.3	664.7	655.4	646.9
G35.0	625.8	627.0	634.0	641.9	650.5	658.7	658.2	656.0	646.2	637.6
G36.0	616.3	617.7	624.6	633.1	642.0	650.5	649.8	647.2	637.3	628.5

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 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	607.2	608.4	615.8	623.7	633.3	642.0	641.2	638.9	628.6	619.5
G38.0	596.6	598.1	605.4	613.9	623.3	631.6	632.0	628.9	618.3	609.0
G39.0	587.2	588.3	595.8	604.2	614.0	623.1	622.7	620.1	609.2	599.6
G40.0	576.0	577.4	585.3	593.7	603.7	612.6	613.0	609.6	599.0	589.0
G41.0	566.2	567.3	574.8	583.6	593.9	602.7	603.2	600.3	588.8	579.4
G42.0	556.4	557.0	565.1	573.9	583.9	593.2	593.5	590.7	579.3	569.2
G43.0	544.4	545.6	553.5	562.9	572.8	582.3	583.1	579.7	567.9	557.8
G44.0	533.9	534.8	543.1	552.2	563.1	572.4	573.0	569.8	558.1	547.8
G45.0	522.8	524.4	532.2	541.7	552.5	561.8	561.8	558.8	546.8	536.3
G46.0	511.2	512.1	520.5	529.8	541.0	550.6	551.0	548.0	535.7	525.1
G47.0	500.4	501.2	509.7	519.0	529.6	539.7	540.5	537.3	525.3	514.5
G48.0	487.8	489.1	497.0	507.2	517.8	528.3	529.0	525.3	513.6	502.6
G49.0	476.5	477.4	486.0	495.6	507.0	517.1	518.4	514.8	502.2	491.2
G50.0	464.9	466.2	474.7	484.5	495.3	506.0	507.1	503.9	491.1	480.0
G51.0	452.4	453.3	461.7	471.5	483.2	494.2	494.7	491.9	478.9	467.7
G52.0	440.8	441.7	450.2	460.1	471.1	482.3	483.2	480.1	467.1	455.7
G53.0	427.5	429.0	437.4	447.3	458.5	469.8	471.1	467.2	454.5	442.9
G54.0	415.7	416.5	425.0	434.9	446.9	457.6	459.7	455.9	442.5	430.6
G55.0	403.3	404.6	413.2	423.1	435.1	446.0	447.6	444.2	430.7	419.0
G56.0	390.2	390.9	399.4	409.5	421.6	433.2	434.8	431.5	417.9	405.8
G57.0	377.7	378.8	387.3	397.4	409.0	420.6	423.0	419.6	406.1	394.0
G58.0	365.6	366.0	374.6	384.6	397.0	408.6	410.6	407.3	393.4	381.3
G59.0	352.3	352.6	361.1	371.2	383.5	394.8	397.4	394.1	380.2	368.0
G60.0	339.3	339.8	348.4	358.9	370.8	382.7	384.8	381.5	367.5	355.1
G61.0	326.0	326.3	334.8	344.7	357.3	368.8	371.5	368.2	354.2	341.9
G62.0	313.0	313.9	321.6	332.3	344.3	356.3	359.3	356.0	341.9	329.5
G63.0	300.6	300.8	309.1	319.1	331.8	343.4	346.5	343.2	329.0	316.6
G64.0	286.6	287.2	295.6	305.3	317.6	329.7	333.0	329.6	315.5	302.9
G65.0	274.2	274.2	282.4	292.2	305.0	317.2	320.6	317.2	303.0	290.0
G66.0	261.9	261.9	270.0	279.5	291.9	304.3	307.6	304.3	290.0	277.6
G67.0	247.8	247.8	255.7	265.3	278.1	290.5	294.0	290.8	276.3	264.0
G68.0	234.8	235.3	243.2	252.7	264.9	277.3	281.5	278.3	263.9	251.6
G69.0	221.2	221.2	229.0	238.4	251.2	262.9	267.3	264.1	249.8	237.5
G70.0	209.0	209.0	215.9	226.1	237.9	250.4	254.8	251.1	236.9	224.5
G71.0	196.3	196.1	203.6	212.8	225.5	237.9	241.9	238.8	224.5	212.3
G72.0	183.1	182.8	190.2	199.3	211.2	223.6	228.2	224.7	210.6	198.4
G73.0	170.5	170.2	177.4	186.4	198.8	211.3	215.2	212.3	198.3	186.3

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 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	158.6	158.2	165.4	174.2	186.1	198.2	203.0	199.5	185.6	173.7
G75.0	145.2	144.8	151.8	160.3	172.7	184.3	189.0	186.2	172.5	160.7
G76.0	132.9	133.1	140.0	148.5	160.1	172.2	176.8	174.1	160.5	148.4
G77.0	120.3	119.9	126.8	135.0	146.9	158.4	163.6	160.4	147.1	135.6
G78.0	108.4	108.0	114.8	123.4	134.7	146.5	151.1	148.6	135.5	124.2
G79.0	97.2	96.8	103.5	111.6	123.0	134.1	139.3	136.3	123.6	112.4
G80.0	84.6	84.7	90.9	98.7	109.9	121.3	126.0	123.6	111.2	100.4
G81.0	73.7	73.4	80.0	87.7	98.7	109.3	114.5	111.8	99.6	89.1
G82.0	62.6	62.3	68.9	76.4	87.1	97.9	102.5	100.5	88.8	78.5
G83.0	51.2	51.0	57.5	64.8	75.3	85.7	90.2	88.4	77.0	67.3
G84.0	40.7	41.0	47.5	54.8	64.3	74.3	79.3	77.0	66.1	56.6
G85.0	30.0	29.9	36.5	43.5	53.0	62.1	67.0	65.3	55.0	46.0
G86.0	20.7	20.7	27.1	34.0	42.6	51.7	56.4	54.5	44.7	36.2
G87.0	11.4	11.5	17.8	24.5	33.0	41.0	45.6	44.4	35.2	27.1
G88.0	3.3	3.4	8.8	15.1	22.5	30.3	34.8	33.2	25.2	17.8
G89.0	3.1	3.1	2.9	7.3	13.8	21.0	24.7	23.9	16.1	9.4
G90.0	3.2	3.3	3.1	2.9	5.9	11.6	14.8	13.8	7.3	3.5
G91.0	3.4	3.4	3.3	3.0	2.9	3.5	6.1	5.7	3.4	3.6
G92.0	3.5	3.6	3.5	3.2	3.1	2.9	3.5	3.5	3.6	3.9
G93.0	3.8	3.8	3.6	3.4	3.2	3.1	3.7	3.6	3.8	4.1
G94.0	4.0	4.0	3.8	3.5	3.5	3.3	3.8	3.9	4.0	4.3
G95.0	4.2	4.2	4.0	3.7	3.6	3.5	4.1	4.1	4.2	4.5
G96.0	4.4	4.3	4.2	3.9	3.8	3.7	4.3	4.3	4.4	4.8
G97.0	4.6	4.6	4.4	4.2	3.9	3.9	4.6	4.5	4.7	5.0
G98.0	4.9	4.8	4.7	4.4	4.2	4.1	4.8	4.8	4.9	5.3
G99.0	5.1	5.0	4.9	4.6	4.4	4.3	5.0	5.0	5.2	5.4
G100.0	5.3	5.2	5.1	4.8	4.6	4.4	5.3	5.3	5.4	5.7
G101.0	5.5	5.4	5.3	5.0	4.8	4.6	5.5	5.5	5.6	6.0
G102.0	5.7	5.7	5.5	5.3	4.9	4.8	5.7	5.7	5.8	6.2
G103.0	5.9	5.9	5.7	5.5	5.2	5.1	5.9	6.0	6.1	6.4
G104.0	6.2	6.1	5.9	5.7	5.5	5.3	6.2	6.2	6.4	6.7
G105.0	6.4	6.3	6.2	5.9	5.7	5.5	6.5	6.4	6.6	7.0
G106.0	6.7	6.5	6.4	6.1	5.9	5.8	6.8	6.6	6.9	7.2
G107.0	6.9	6.8	6.6	6.3	6.1	5.9	7.0	6.9	7.1	7.4
G108.0	7.2	6.9	6.8	6.6	6.3	6.1	7.2	7.1	7.3	7.6
G109.0	7.4	7.2	7.0	6.8	6.5	6.4	7.5	7.3	7.6	7.9
G110.0	7.6	7.4	7.3	7.0	6.8	6.6	7.7	7.7	7.8	8.1

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 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	7.8	7.5	7.4	7.2	7.0	6.8	7.9	7.8	8.0	8.4
G112.0	8.1	7.8	7.6	7.4	7.2	7.0	8.2	8.1	8.3	8.6
G113.0	8.3	8.0	7.8	7.7	7.4	7.2	8.4	8.3	8.5	8.8
G114.0	8.5	8.1	8.0	7.9	7.6	7.4	8.7	8.4	8.6	9.0
G115.0	8.8	8.3	8.2	8.1	7.8	7.6	8.9	8.7	8.9	9.2
G116.0	8.9	8.5	8.4	8.3	8.0	7.9	9.1	8.9	9.1	9.5
G117.0	9.1	8.7	8.6	8.5	8.2	8.0	9.4	9.1	9.4	9.7
G118.0	9.3	8.8	8.8	8.7	8.4	8.2	9.6	9.3	9.5	9.9
G119.0	9.5	9.0	8.9	8.9	8.6	8.4	9.8	9.5	9.7	10.1
G120.0	9.7	9.2	9.1	9.2	8.8	8.6	10.0	9.7	9.9	10.3
G121.0	9.9	9.4	9.4	9.3	9.0	8.8	10.2	9.9	10.1	10.4
G122.0	10.0	9.6	9.6	9.5	9.2	9.0	10.4	10.1	10.3	10.7
G123.0	10.3	9.8	9.7	9.7	9.3	9.1	10.5	10.4	10.4	10.9
G124.0	10.3	9.9	9.9	9.9	9.6	9.3	10.7	10.6	10.7	11.0
G125.0	10.6	10.1	10.1	10.1	9.8	9.6	10.9	10.8	10.9	11.2
G126.0	10.6	10.3	10.3	10.2	9.9	9.8	11.1	11.0	11.1	11.4
G127.0	10.9	10.6	10.4	10.4	10.1	9.9	11.2	11.1	11.2	11.5
G128.0	11.1	10.7	10.6	10.6	10.3	10.1	11.4	11.3	11.4	11.7
G129.0	11.1	10.9	10.7	10.8	10.5	10.3	11.6	11.5	11.6	11.9
G130.0	11.4	11.1	10.8	11.0	10.6	10.4	11.7	11.6	11.8	12.1
G131.0	11.5	11.2	11.1	11.1	10.8	10.6	11.9	11.8	12.0	12.2
G132.0	11.6	11.4	11.2	11.3	11.1	10.8	12.1	11.9	12.2	12.4
G133.0	11.8	11.6	11.4	11.5	11.1	11.0	12.3	12.1	12.3	12.6
G134.0	11.9	11.8	11.5	11.6	11.3	11.2	12.4	12.3	12.5	12.8
G135.0	12.1	11.9	11.7	11.8	11.5	11.3	12.6	12.4	12.7	12.9
G136.0	12.2	12.1	11.9	11.9	11.7	11.5	12.7	12.5	12.8	13.0
G137.0	12.3	12.3	12.1	12.1	11.9	11.7	12.9	12.7	13.0	13.2
G138.0	12.5	12.5	12.2	12.2	12.1	11.9	12.9	12.9	13.1	13.4
G139.0	12.5	12.6	12.4	12.4	12.2	12.1	13.1	13.0	13.3	13.5
G140.0	12.7	12.8	12.5	12.5	12.4	12.2	13.3	13.1	13.4	13.6
G141.0	12.9	13.0	12.6	12.6	12.5	12.4	13.4	13.3	13.5	13.8
G142.0	13.0	13.1	12.8	12.9	12.7	12.5	13.4	13.4	13.8	13.9
G143.0	13.2	13.3	12.9	13.0	12.9	12.7	13.6	13.5	13.9	14.1
G144.0	13.3	13.4	13.1	13.1	13.0	12.9	13.7	13.6	14.0	14.2
G145.0	13.5	13.5	13.2	13.3	13.2	13.1	13.9	13.8	14.1	14.2
G146.0	13.6	13.7	13.4	13.4	13.4	13.2	14.0	13.9	14.2	14.4
G147.0	13.7	13.8	13.5	13.6	13.5	13.4	14.0	14.1	14.3	14.5

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 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	13.7	13.7	13.6	13.5	14.2	14.2	14.4	14.6
G149.0	14.0	14.1	13.8	13.8	13.8	13.6	14.3	14.2	14.5	14.6
G150.0	14.1	14.2	13.9	13.9	13.9	13.8	14.4	14.3	14.6	14.7
G151.0	14.2	14.3	14.1	14.1	13.9	13.9	14.5	14.5	14.7	14.8
G152.0	14.3	14.4	14.2	14.2	14.1	14.1	14.6	14.6	14.8	15.0
G153.0	14.4	14.5	14.4	14.3	14.2	14.2	14.7	14.7	14.9	15.1
G154.0	14.6	14.6	14.5	14.4	14.3	14.4	14.8	14.8	15.0	15.2
G155.0	14.7	14.8	14.6	14.6	14.4	14.4	14.9	14.9	15.1	15.2
G156.0	14.9	14.8	14.7	14.7	14.5	14.6	15.0	15.0	15.1	15.4
G157.0	15.0	15.0	14.9	14.8	14.6	14.7	15.1	15.1	15.2	15.4
G158.0	15.1	15.1	15.0	14.9	14.7	14.9	15.2	15.3	15.4	15.6
G159.0	15.2	15.2	15.1	15.0	14.9	15.0	15.4	15.4	15.5	15.7
G160.0	15.3	15.3	15.3	15.1	15.0	15.1	15.5	15.5	15.6	15.8
G161.0	15.5	15.5	15.4	15.3	15.0	15.2	15.6	15.6	15.8	16.0
G162.0	15.6	15.6	15.6	15.4	15.2	15.4	15.7	15.7	15.9	16.1
G163.0	15.8	15.8	15.7	15.5	15.3	15.4	15.8	15.9	16.0	16.2
G164.0	16.0	15.8	15.8	15.6	15.4	15.6	16.0	16.0	16.1	16.3
G165.0	16.0	16.0	16.0	15.7	15.6	15.7	16.2	16.1	16.3	16.5
G166.0	16.2	16.2	16.1	15.9	15.7	15.9	16.3	16.2	16.4	16.6
G167.0	16.4	16.3	16.3	16.1	15.8	16.0	16.5	16.4	16.5	16.8
G168.0	16.5	16.4	16.4	16.2	16.0	16.1	16.6	16.5	16.6	16.9
G169.0	16.6	16.5	16.6	16.4	16.1	16.2	16.7	16.6	16.7	17.0
G170.0	16.6	16.6	16.7	16.6	16.3	16.4	16.8	16.7	16.8	17.1
G171.0	16.8	16.7	16.8	16.7	16.4	16.6	17.0	16.8	16.8	17.2
G172.0	16.9	16.7	16.8	16.9	16.5	16.7	17.0	16.9	16.9	17.2
G173.0	16.9	16.8	16.9	16.9	16.5	16.7	17.1	16.9	16.9	17.3
G174.0	17.0	16.9	16.9	17.0	16.7	16.8	17.1	17.0	17.0	17.3
G175.0	17.1	16.9	17.0	17.2	16.8	16.9	17.2	17.0	17.0	17.3
G176.0	17.2	17.0	16.9	17.2	16.8	16.9	17.2	17.1	17.0	17.4
G177.0	17.2	17.1	17.0	17.3	16.9	16.9	17.3	17.1	17.1	17.4
G178.0	17.3	17.1	17.1	17.3	16.9	17.0	17.3	17.1	17.1	17.4
G179.0	17.3	17.1	17.1	17.4	16.9	17.0	17.3	17.1	17.1	17.4
G180.0	17.3	17.1	17.1	17.4	16.9	17.0	17.3	17.1	17.1	17.5

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	806.4	806.6	805.2							
G1.0	805.7	806.7	804.7							
G2.0	805.0	806.1	803.7							
G3.0	804.0	804.4	802.4							
G4.0	802.7	803.0	801.4							
G5.0	801.1	801.1	799.3							
G6.0	799.3	798.9	797.1							
G7.0	797.2	796.7	795.0							
G8.0	794.6	793.7	792.4							
G9.0	792.3	791.4	789.5							
G10.0	789.5	788.3	786.7							
G11.0	785.9	784.7	783.4							
G12.0	782.4	781.3	779.9							
G13.0	778.5	777.5	775.8							
G14.0	774.5	773.5	771.3							
G15.0	770.0	768.8	767.1							
G16.0	765.3	763.8	762.2							
G17.0	761.0	759.2	757.4							
G18.0	755.8	754.3	752.0							
G19.0	750.3	748.4	746.3							
G20.0	745.0	742.6	741.0							
G21.0	739.2	736.7	735.3							
G22.0	733.0	730.5	728.5							
G23.0	726.2	724.2	722.3							
G24.0	719.8	716.9	715.1							
G25.0	713.0	710.5	708.1							
G26.0	706.3	703.1	701.3							
G27.0	698.6	695.0	693.3							
G28.0	691.2	687.5	686.1							
G29.0	683.4	679.9	678.3							
G30.0	675.1	671.5	670.1							
G31.0	666.9	663.0	661.9							
G32.0	658.1	654.1	652.8							
G33.0	649.4	645.4	644.4							
G34.0	640.3	637.0	635.4							
G35.0	631.0	626.9	625.8							
G36.0	621.7	617.9	616.3							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	612.6	608.3	607.2							
G38.0	602.7	598.4	596.6							
G39.0	592.7	588.2	587.2							
G40.0	582.2	577.8	576.0							
G41.0	571.9	567.5	566.2							
G42.0	561.9	557.0	556.4							
G43.0	550.6	545.7	544.4							
G44.0	539.8	535.5	533.9							
G45.0	528.3	523.5	522.8							
G46.0	517.1	512.7	511.2							
G47.0	506.2	501.0	500.4							
G48.0	494.1	488.9	487.8							
G49.0	483.2	477.7	476.5							
G50.0	471.4	466.7	464.9							
G51.0	458.9	453.7	452.4							
G52.0	446.8	442.0	440.8							
G53.0	434.4	428.8	427.5							
G54.0	422.4	416.7	415.7							
G55.0	410.4	404.9	403.3							
G56.0	397.1	391.8	390.2							
G57.0	384.9	379.9	377.7							
G58.0	372.8	367.2	365.6							
G59.0	358.9	353.8	352.3							
G60.0	346.7	340.9	339.3							
G61.0	332.5	327.6	326.0							
G62.0	320.4	315.3	313.0							
G63.0	308.0	302.4	300.6							
G64.0	293.9	288.8	286.6							
G65.0	281.7	275.9	274.2							
G66.0	269.1	263.5	261.9							
G67.0	254.9	249.4	247.8							
G68.0	242.6	237.1	234.8							
G69.0	228.5	222.9	221.2							
G70.0	216.3	210.8	209.0							
G71.0	203.4	198.7	196.3							
G72.0	190.3	184.9	183.1							
G73.0	177.6	172.9	170.5							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	165.8	160.5	158.6							
G75.0	152.3	147.6	145.2							
G76.0	140.6	135.4	132.9							
G77.0	128.0	122.8	120.3							
G78.0	116.2	110.8	108.4							
G79.0	105.1	99.8	97.2							
G80.0	93.1	87.8	84.6							
G81.0	81.9	76.4	73.7							
G82.0	71.4	66.0	62.6							
G83.0	59.7	54.1	51.2							
G84.0	49.8	44.1	40.7							
G85.0	39.2	33.5	30.0							
G86.0	29.5	23.7	20.7							
G87.0	20.6	14.9	11.4							
G88.0	11.1	5.7	3.3							
G89.0	4.2	3.5	3.1							
G90.0	3.6	3.7	3.2							
G91.0	3.8	4.0	3.4							
G92.0	3.9	4.2	3.5							
G93.0	4.2	4.4	3.8							
G94.0	4.4	4.6	4.0							
G95.0	4.6	4.8	4.2							
G96.0	4.9	5.1	4.4							
G97.0	5.1	5.3	4.6							
G98.0	5.4	5.6	4.9							
G99.0	5.6	5.8	5.1							
G100.0	5.8	6.1	5.3							
G101.0	6.1	6.3	5.5							
G102.0	6.3	6.5	5.7							
G103.0	6.5	6.7	5.9							
G104.0	6.8	7.0	6.2							
G105.0	7.0	7.2	6.4							
G106.0	7.3	7.4	6.7							
G107.0	7.5	7.7	6.9							
G108.0	7.8	7.9	7.2							
G109.0	7.9	8.1	7.4							
G110.0	8.2	8.3	7.6							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	8.4	8.6	7.8							
G112.0	8.6	8.7	8.1							
G113.0	8.8	8.9	8.3							
G114.0	9.1	9.1	8.5							
G115.0	9.3	9.4	8.8							
G116.0	9.5	9.5	8.9							
G117.0	9.7	9.6	9.1							
G118.0	9.9	9.9	9.3							
G119.0	10.0	10.1	9.5							
G120.0	10.2	10.4	9.7							
G121.0	10.4	10.5	9.9							
G122.0	10.6	10.7	10.0							
G123.0	10.8	10.9	10.3							
G124.0	11.0	11.1	10.3							
G125.0	11.1	11.3	10.6							
G126.0	11.3	11.6	10.6							
G127.0	11.5	11.7	10.9							
G128.0	11.6	11.9	11.1							
G129.0	11.8	12.0	11.1							
G130.0	12.0	12.2	11.4							
G131.0	12.1	12.4	11.5							
G132.0	12.3	12.5	11.6							
G133.0	12.5	12.6	11.8							
G134.0	12.6	12.8	11.9							
G135.0	12.8	12.9	12.1							
G136.0	13.0	13.1	12.2							
G137.0	13.1	13.2	12.3							
G138.0	13.3	13.4	12.5							
G139.0	13.4	13.5	12.5							
G140.0	13.5	13.6	12.7							
G141.0	13.6	13.8	12.9							
G142.0	13.8	13.9	13.0							
G143.0	13.9	14.1	13.2							
G144.0	13.9	14.1	13.3							
G145.0	14.1	14.2	13.5							
G146.0	14.2	14.4	13.6							
G147.0	14.3	14.5	13.7							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	14.5	14.6	13.9							
G149.0	14.6	14.7	14.0							
G150.0	14.7	14.8	14.1							
G151.0	14.8	14.9	14.2							
G152.0	14.9	15.1	14.3							
G153.0	15.0	15.1	14.4							
G154.0	15.1	15.2	14.6							
G155.0	15.3	15.3	14.7							
G156.0	15.4	15.4	14.9							
G157.0	15.4	15.5	15.0							
G158.0	15.6	15.6	15.1							
G159.0	15.7	15.7	15.2							
G160.0	15.8	15.8	15.3							
G161.0	15.9	15.9	15.5							
G162.0	16.1	16.0	15.6							
G163.0	16.2	16.1	15.8							
G164.0	16.4	16.3	16.0							
G165.0	16.5	16.4	16.0							
G166.0	16.5	16.5	16.2							
G167.0	16.7	16.6	16.4							
G168.0	16.8	16.7	16.5							
G169.0	16.9	16.8	16.6							
G170.0	16.9	16.9	16.6							
G171.0	16.9	17.0	16.8							
G172.0	16.9	17.0	16.9							
G173.0	16.9	17.0	16.9							
G174.0	17.0	17.0	17.0							
G175.0	17.0	17.0	17.1							
G176.0	17.0	17.0	17.2							
G177.0	17.0	17.1	17.2							
G178.0	17.0	17.1	17.3							
G179.0	17.0	17.1	17.3							
G180.0	17.0	17.1	17.3							

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: