Report No.: 20260120100855 Test Time: 2026-01-21 08:56

Luminaire Property

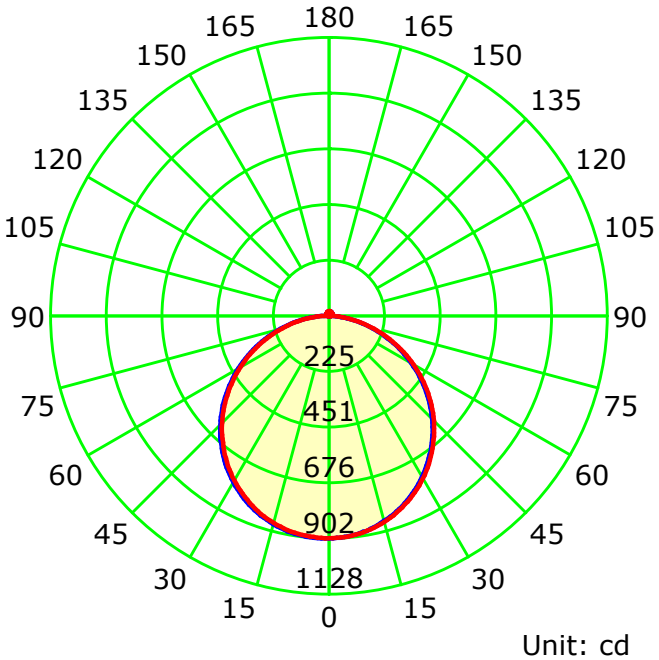
Luminaire Manufacturer:
Luminaire Description: ASD-LPR-16D32MV-WH-5000K
Voltage: 121.1 V Current: 0.252 A
Power: 29.89 W Power Factor: 0.977

Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 2700.6 lm
Measurement Flux: 2700.6 lm Efficiency: 100%
Downward Ratio: 97% Upward Ratio: 3%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 164.0, 164.1, 163.7, 164.5
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 113.6, 113.6, 113.3, 114.0
Luminaire Efficacy Rating (LER): 90.40 Central Intensity: 902.62 cd
Max. Intensity: 902.66 cd Pos of Max. Intensity: H0 V1
S/MH(C0/C180): 1.26 S/MH(C90/C270): 1.26

Picture Of Luminaire

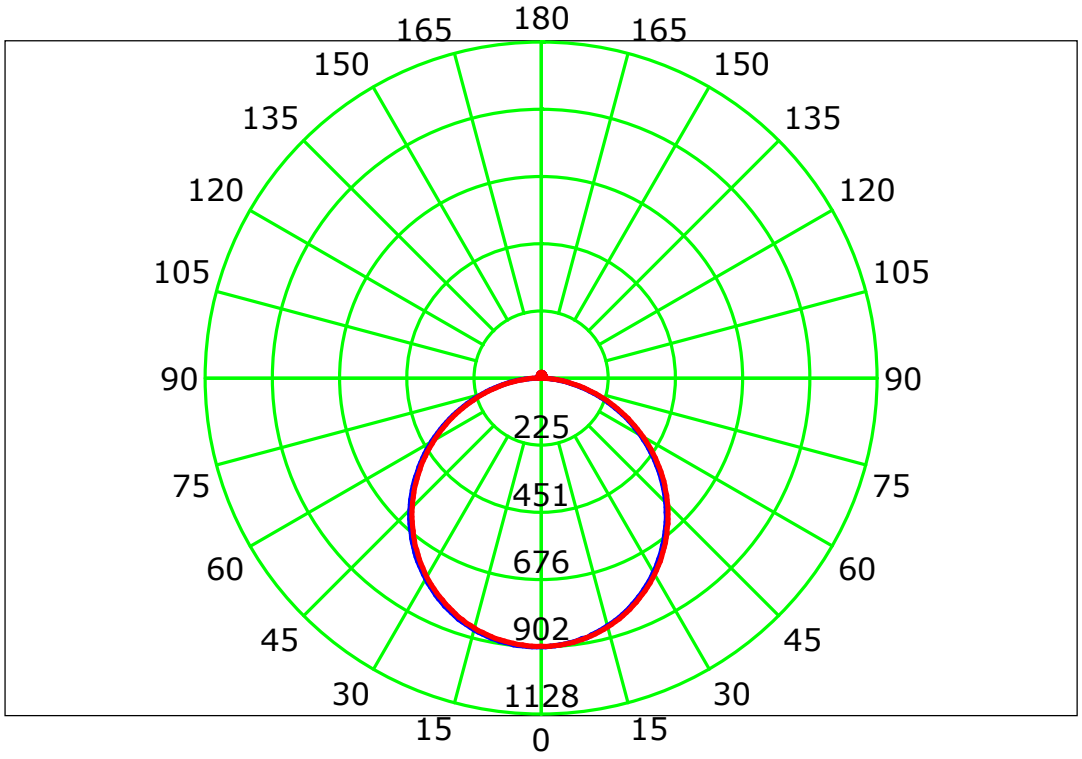
Luminous Intensity Distribution Curve

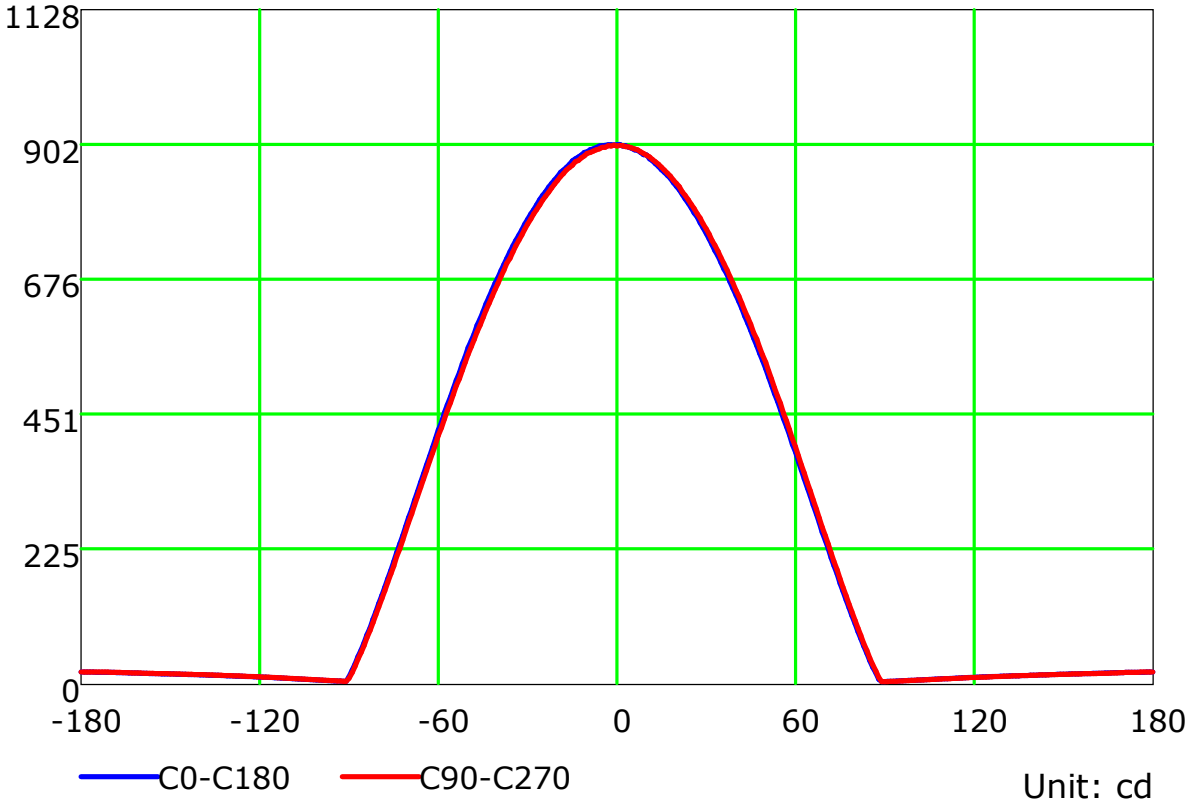


Unit: cd
Average Diffuse Angle(50%): 113.6°
C0-C180 C90-C270

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

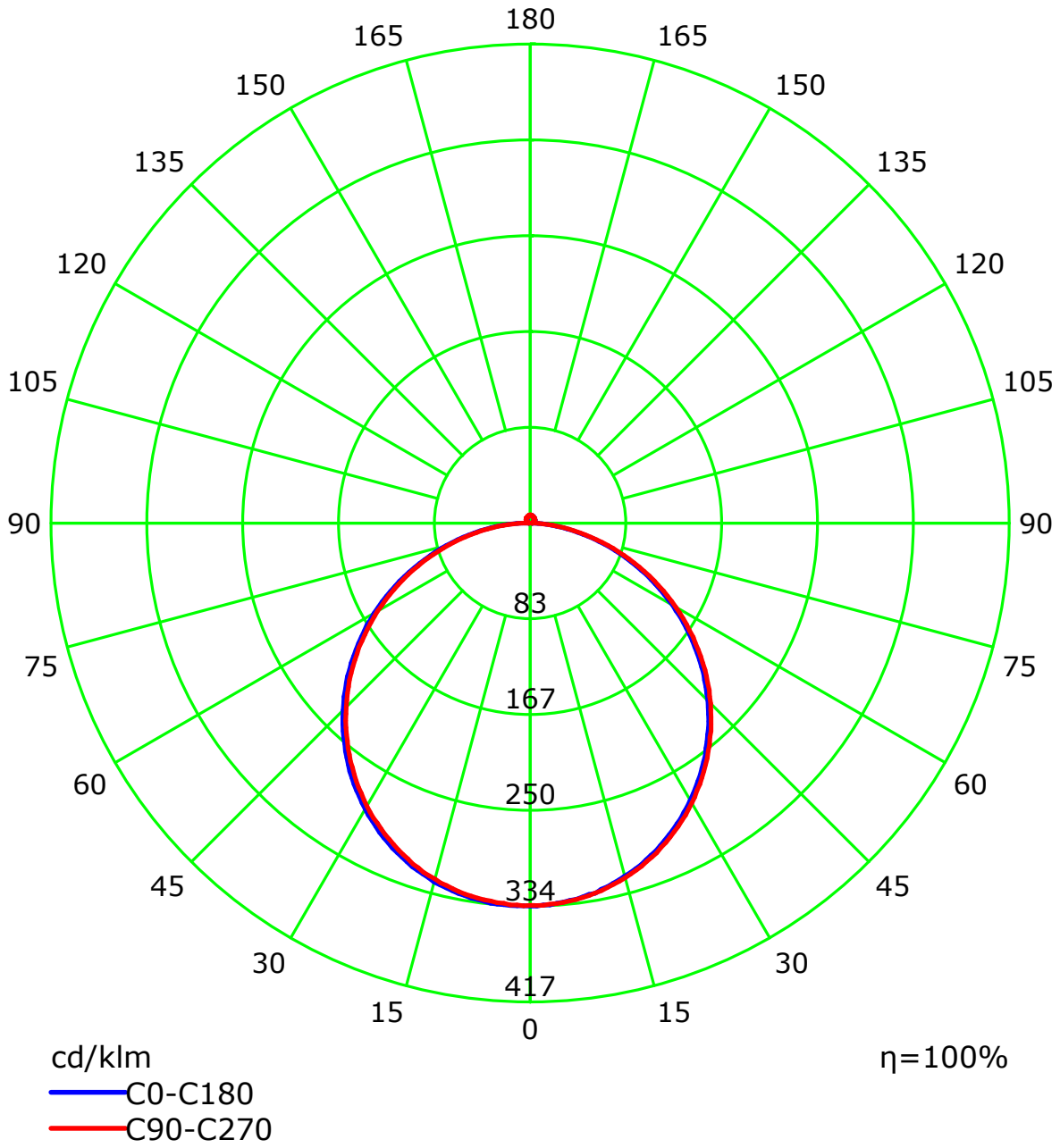




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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

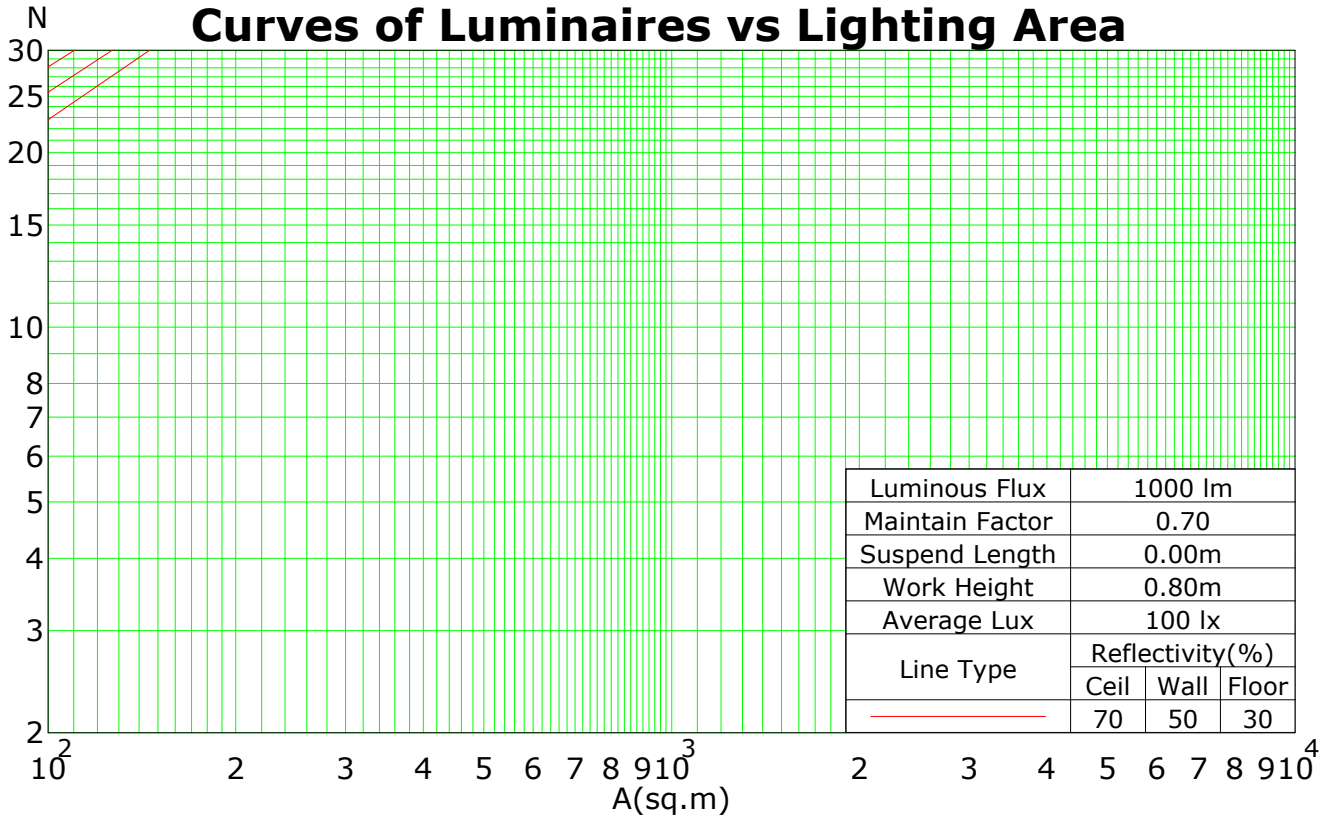
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.432 m
Humidity:
Inspector:

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	89	83	77	95	87	81	76	83	78	73	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	81	69	60	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	52	45	39	51	44	39	49	43	38	36
7	64	50	42	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	36	31	41	35	30	28
9	56	42	34	28	54	41	34	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

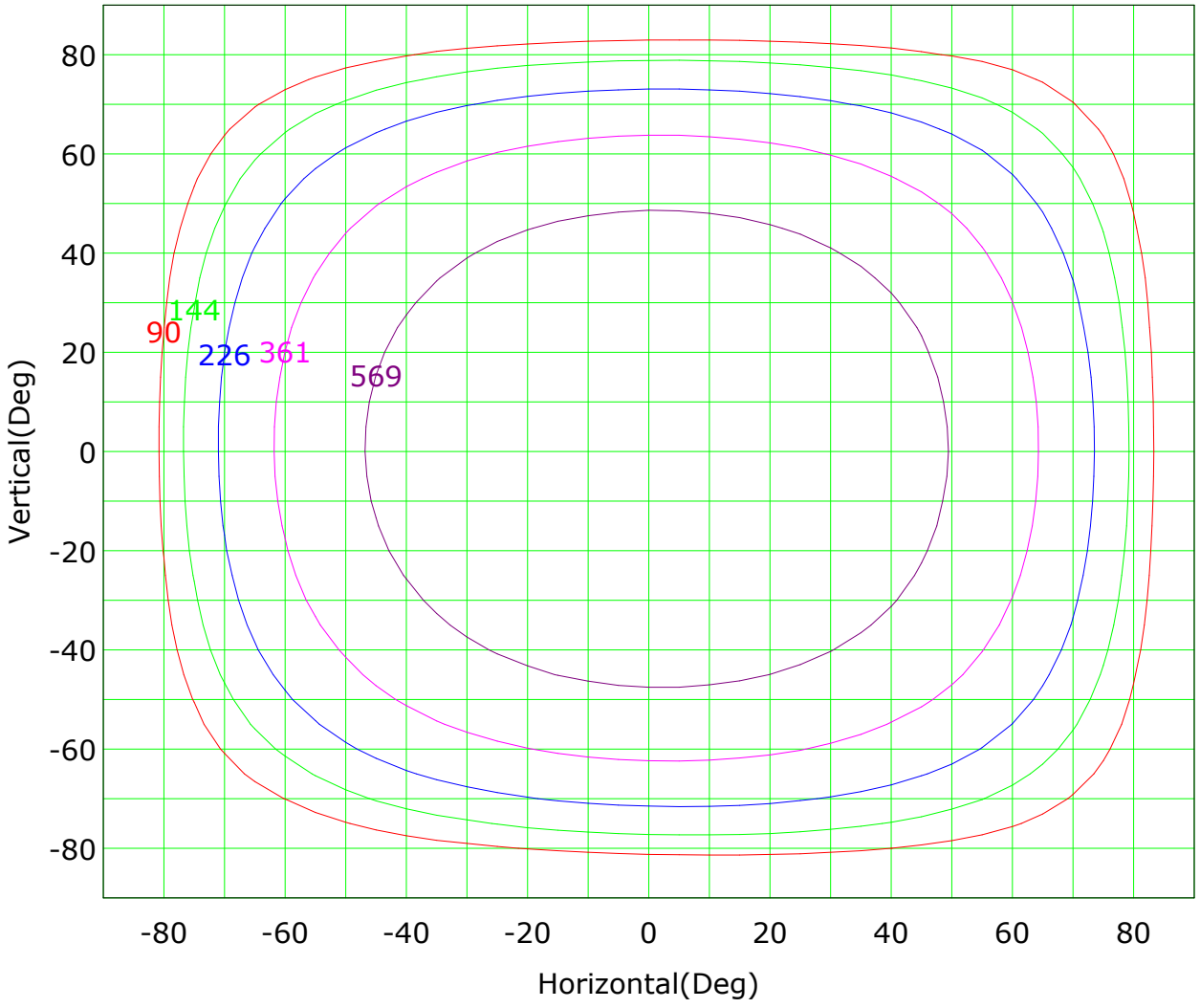
Curves of Luminaires vs Lighting Area



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)



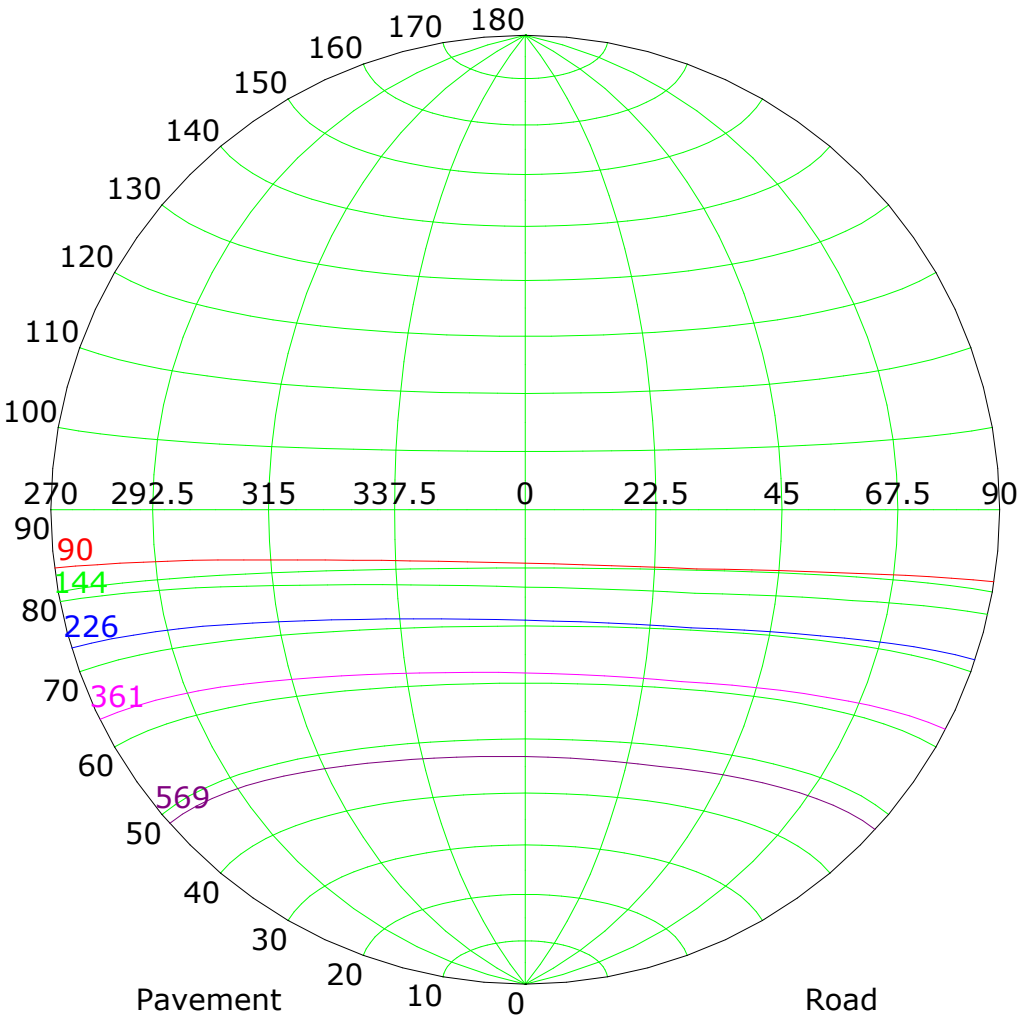
Imax (100%): 903 cd

(10%): 90 cd	(16%): 144 cd
(25%): 226 cd	(40%): 361 cd
(63%): 569 cd	(100%): 903 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)



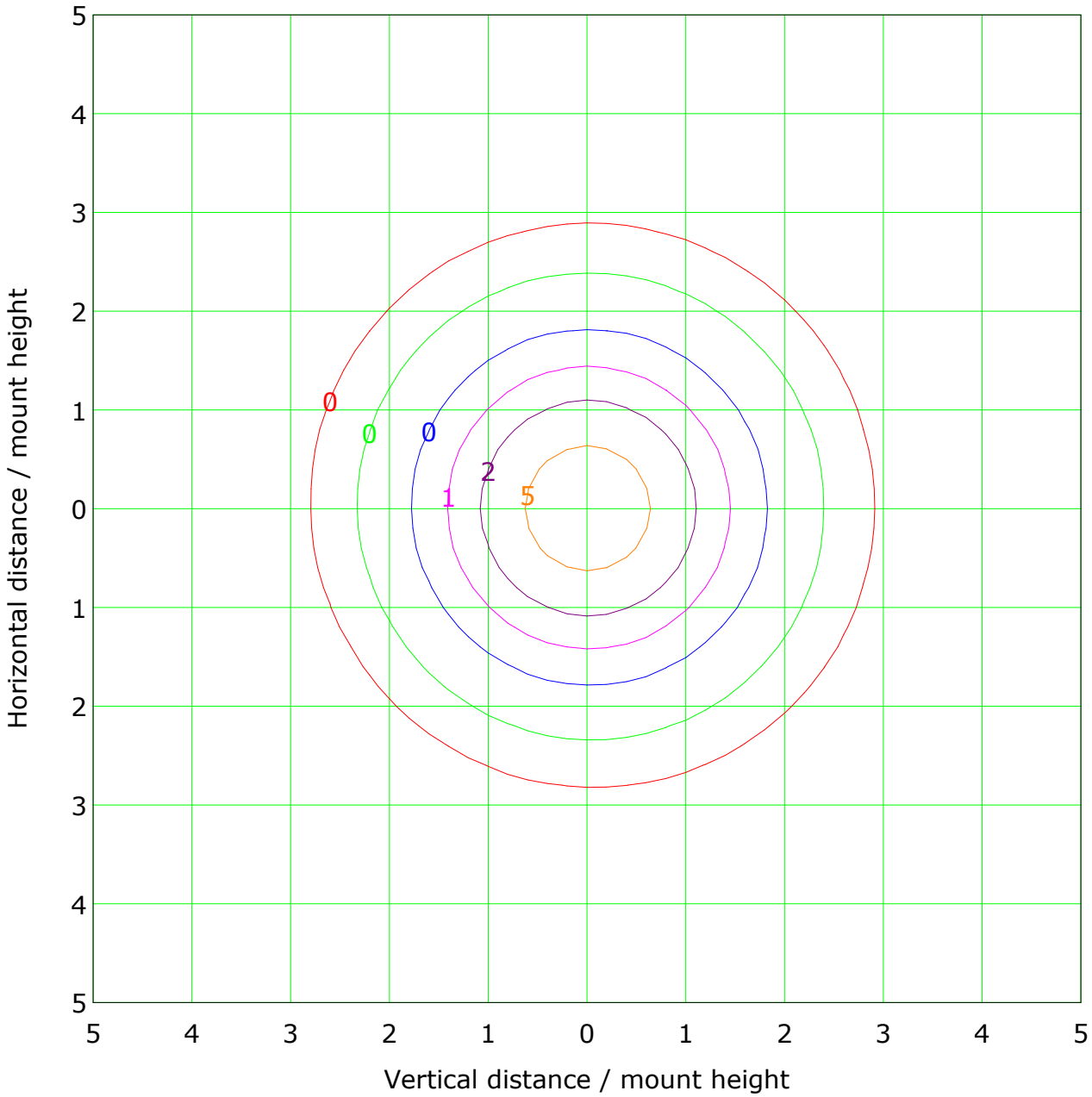
Imax (100%): 903 cd

(10%): 90 cd	(16%): 144 cd
(25%): 226 cd	(40%): 361 cd
(63%): 569 cd	(100%): 903 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



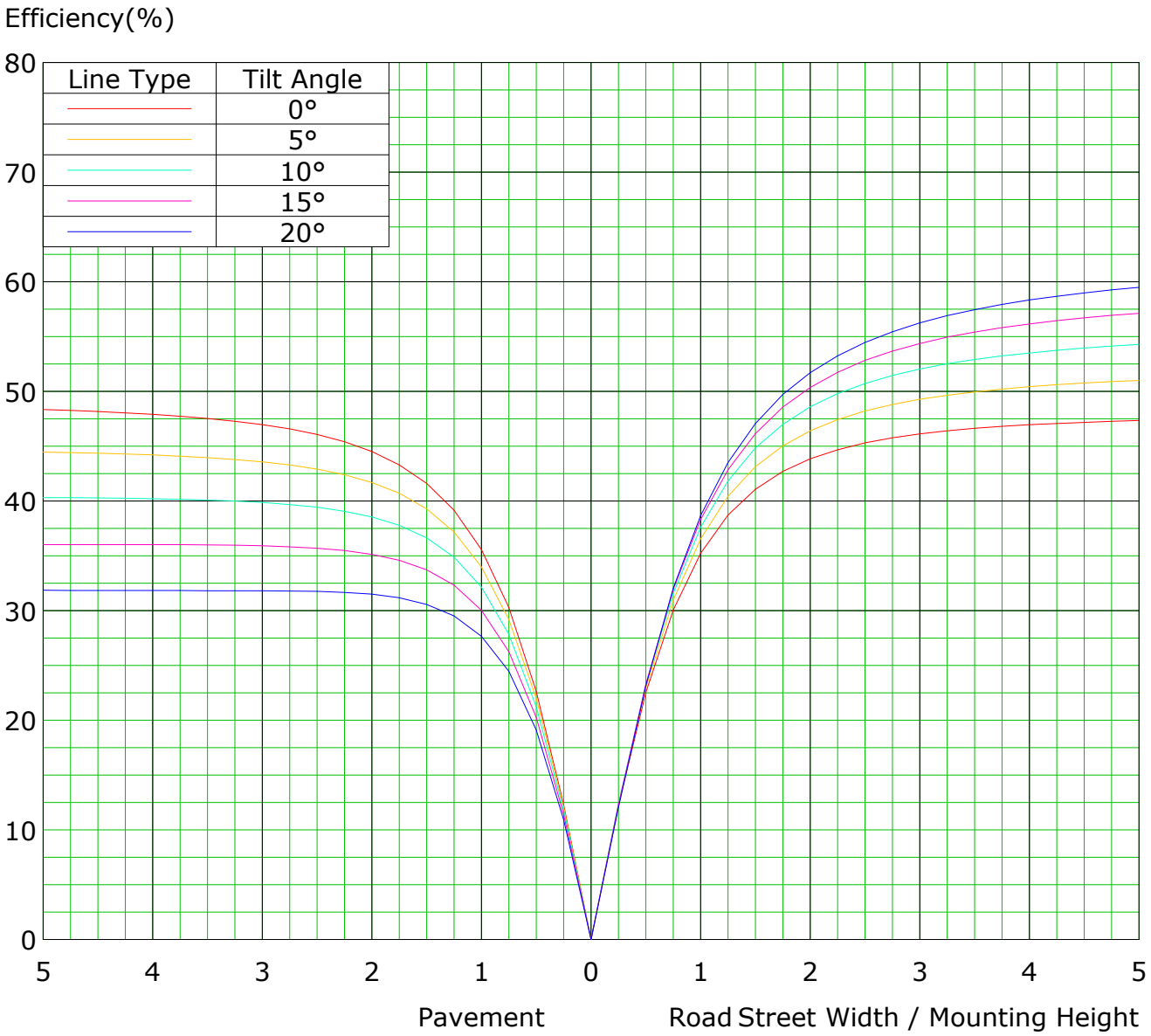
Mounting Height: 10.0m Max Lux(100%): 9.0 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.5 lx	(10%): 0.9 lx
(20%): 1.8 lx	(50%): 4.5 lx
(100%): 9.0 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

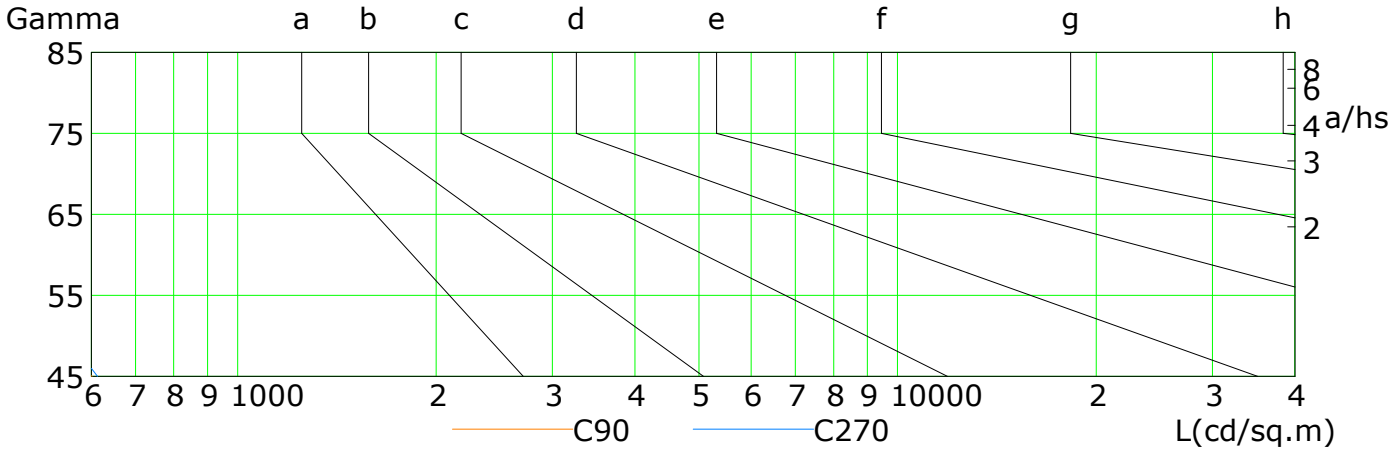


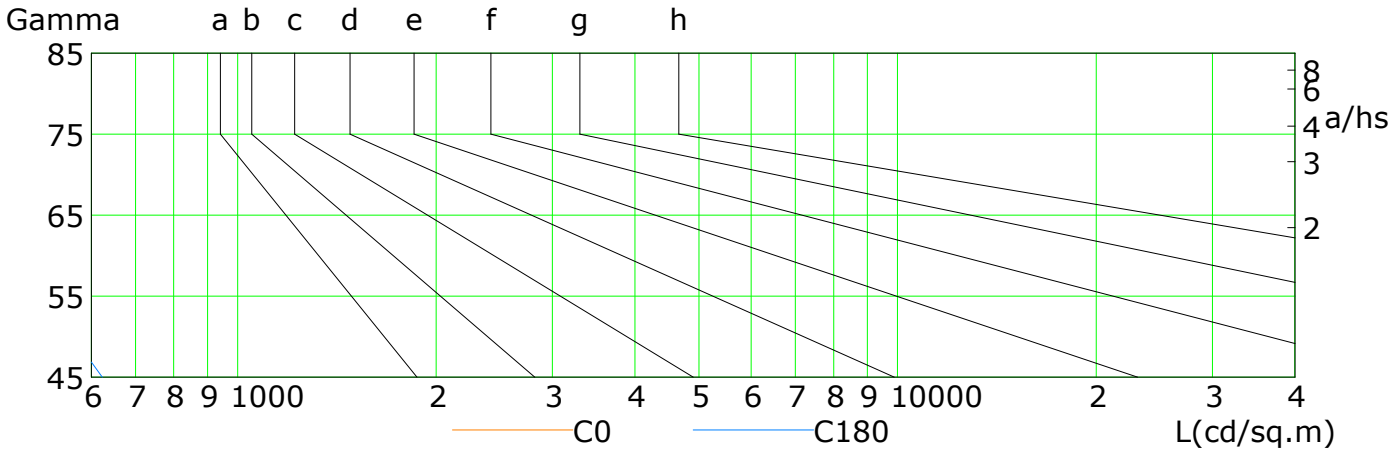
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator: OQC1

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



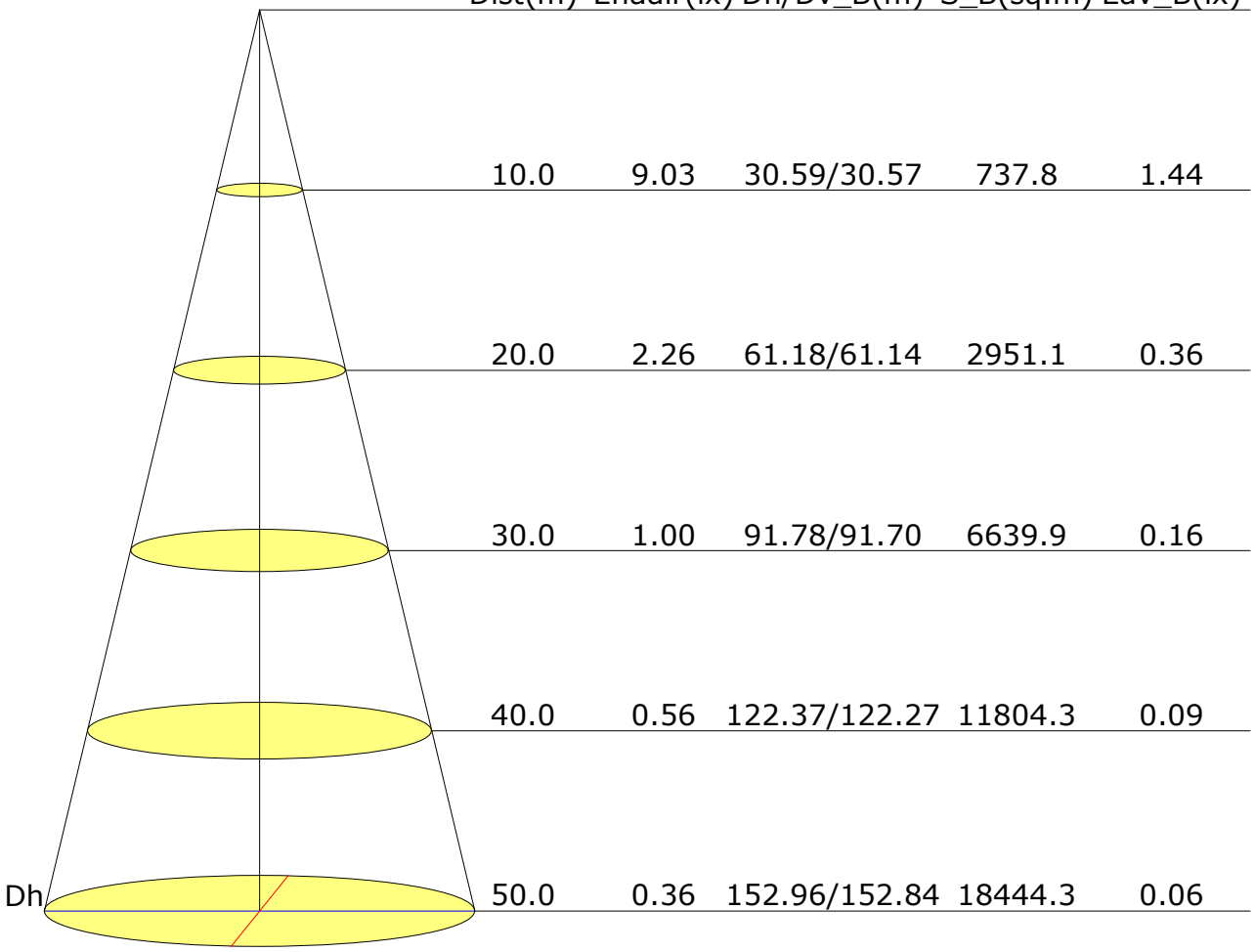


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	592	527	459	388	314	240	168	100	38
C90	602	538	469	396	323	248	176	106	43
C180	623	563	494	425	351	278	205	134	69
C270	613	551	484	416	343	270	197	128	64

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:

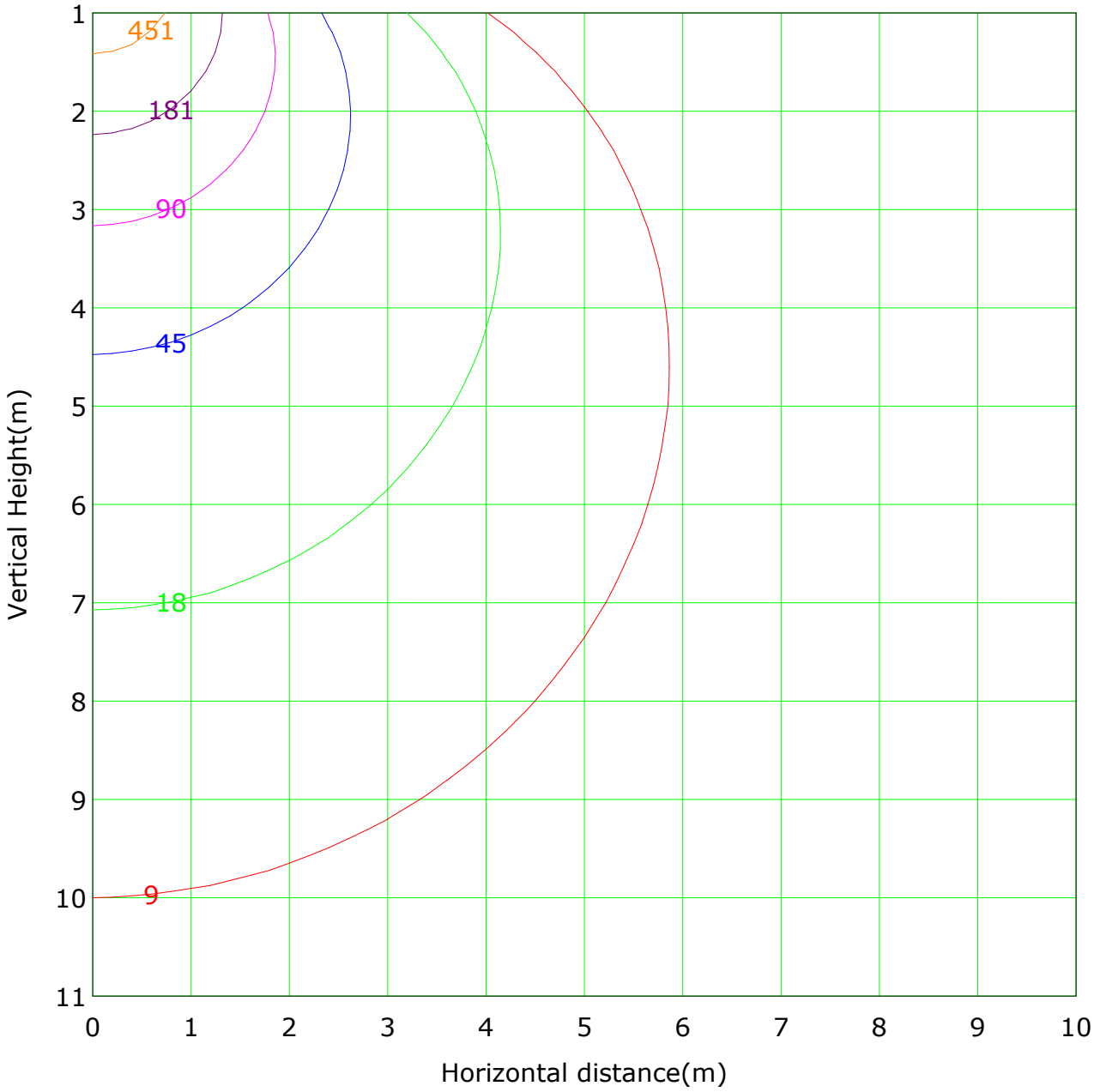
Illuminance at a Distance



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: 902.6 lx

(1%): 9.0 lx
(2%): 18.1 lx
(5%): 45.1 lx
(10%): 90.3 lx
(20%): 180.5 lx
(50%): 451.3 lx
(100%): 902.6 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

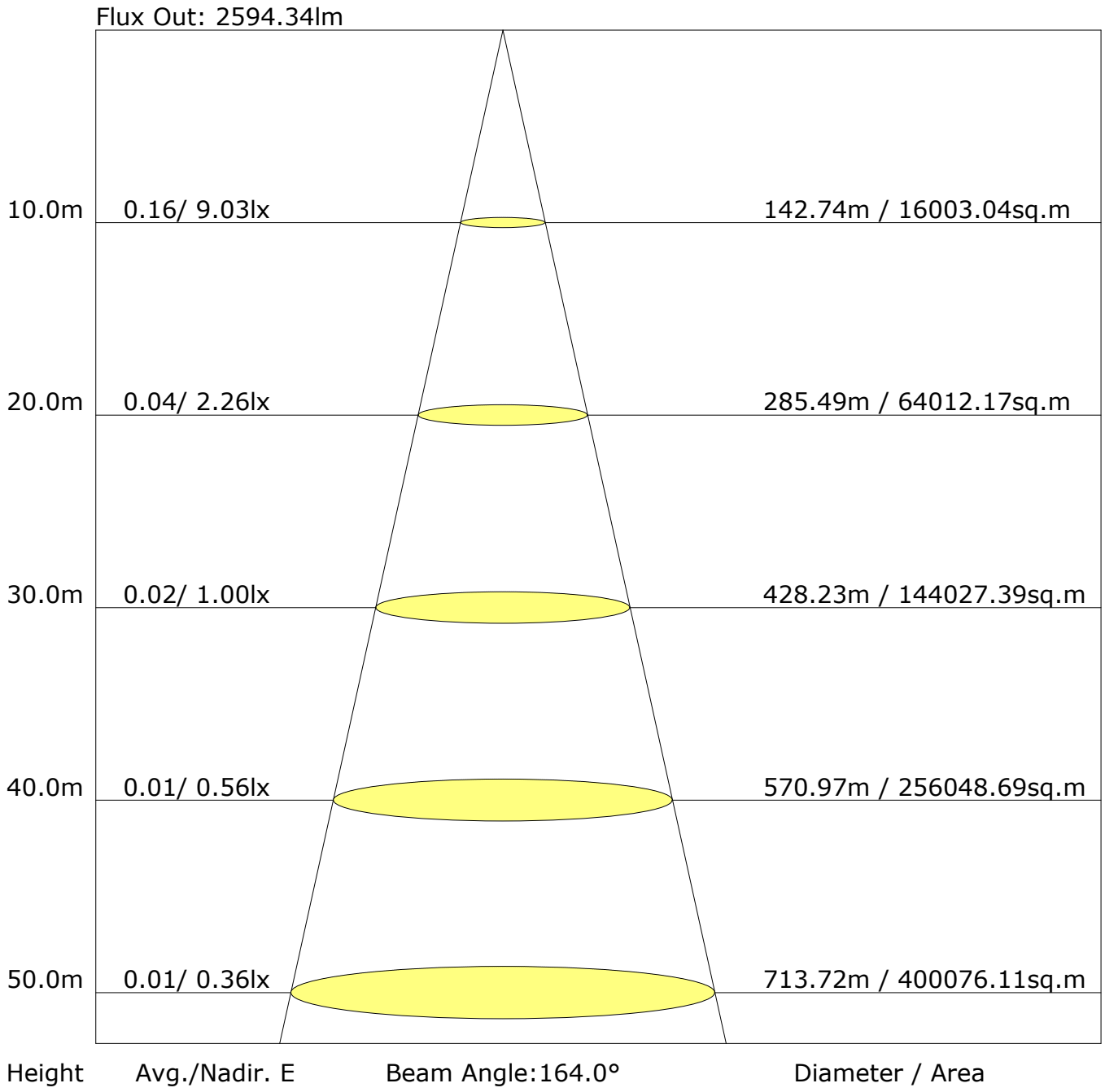
Unit: lm

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	0.0	0.2	0.5	0.8	1.1	1.5	1.7	1.9	2.0	1.9	1.8	1.5	1.2	0.8	0.5	0.2	0.1	0.0	17.8	5.5	
-90	0.1	0.5	1.1	2.0	3.1	4.1	5.0	5.7	6.0	5.9	5.5	4.7	3.8	2.7	1.6	0.8	0.3	0.0	52.9	49.7	
-80	0.1	0.7	1.8	3.4	5.2	7.0	8.6	9.7	10.4	10.3	9.6	8.3	6.6	4.7	2.9	1.5	0.5	0.0	91.1	90.0	
-70	0.1	0.9	2.5	4.7	7.2	9.8	12.1	13.8	14.6	14.5	13.5	11.7	9.3	6.7	4.2	2.1	0.7	0.1	128.7	128.1	
-60	0.1	1.2	3.1	5.9	9.1	12.4	15.3	17.4	18.5	18.4	17.1	14.9	11.9	8.6	5.4	2.7	0.9	0.1	163.1	162.8	
-50	0.2	1.4	3.7	7.0	10.8	14.6	18.0	20.5	21.8	21.7	20.2	17.6	14.0	10.2	6.4	3.3	1.1	0.1	192.5	192.2	
-40	0.2	1.5	4.1	7.8	12.1	16.4	20.2	23.0	24.4	24.3	22.7	19.7	15.7	11.4	7.2	3.7	1.2	0.1	215.7	215.4	
-30	0.2	1.6	4.4	8.3	12.9	17.6	21.7	24.7	26.2	26.1	24.3	21.1	16.9	12.3	7.7	3.9	1.3	0.2	231.5	231.3	
-20	0.2	1.7	4.6	8.6	13.4	18.2	22.4	25.5	27.1	27.0	25.1	21.8	17.5	12.7	8.0	4.1	1.4	0.2	239.4	239.2	
-10	0.2	1.7	4.5	8.6	13.4	18.1	22.4	25.5	27.1	26.9	25.1	21.8	17.4	12.6	8.0	4.1	1.4	0.2	238.9	238.7	
0	0.2	1.7	4.5	8.6	13.4	18.1	22.4	25.5	27.1	26.9	25.1	21.8	17.4	12.6	8.0	4.1	1.4	0.2	238.9	238.7	
10	0.2	1.6	4.4	8.3	12.9	17.5	21.6	24.6	26.1	26.0	24.2	20.9	16.8	12.1	7.6	3.9	1.3	0.1	230.1	229.9	
20	0.2	1.5	4.1	7.7	12.0	16.3	20.1	22.8	24.2	24.1	22.4	19.4	15.5	11.2	7.0	3.6	1.2	0.1	213.4	213.2	
30	0.2	1.3	3.6	6.9	10.7	14.5	17.9	20.3	21.5	21.4	19.9	17.2	13.7	9.8	6.2	3.1	1.1	0.1	189.4	189.1	
40	0.2	1.1	3.1	5.8	9.0	12.2	15.1	17.1	18.2	18.0	16.7	14.4	11.5	8.2	5.1	2.6	0.9	0.1	159.1	158.7	
50	0.1	0.9	2.4	4.6	7.1	9.6	11.8	13.4	14.2	14.0	13.0	11.1	8.8	6.3	3.9	1.9	0.6	0.1	123.7	123.1	
60	0.1	0.7	1.7	3.2	5.0	6.7	8.2	9.3	9.8	9.6	8.9	7.6	6.0	4.2	2.6	1.3	0.4	0.0	85.3	84.0	
70	0.1	0.4	1.0	1.9	2.8	3.8	4.6	5.1	5.4	5.3	4.8	4.1	3.2	2.2	1.3	0.6	0.2	0.0	46.8	42.4	
80	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.4	1.4	1.2	1.0	0.7	0.5	0.3	0.1	0.0	0.0	12.6	1.4	
90	2.9	19.1	51.1	96.1	148.5	201.3	247.7	281.7	298.8	296.9	276.0	238.9	190.5	137.2	86.0	43.5	14.6	1.6	2632		
Flux(E)	1.1	16.9	49.0	94.1	146.4	199.2	245.7	279.6	296.7	294.8	273.9	236.8	188.4	135.0	83.8	41.3	12.2	0.1			2595

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

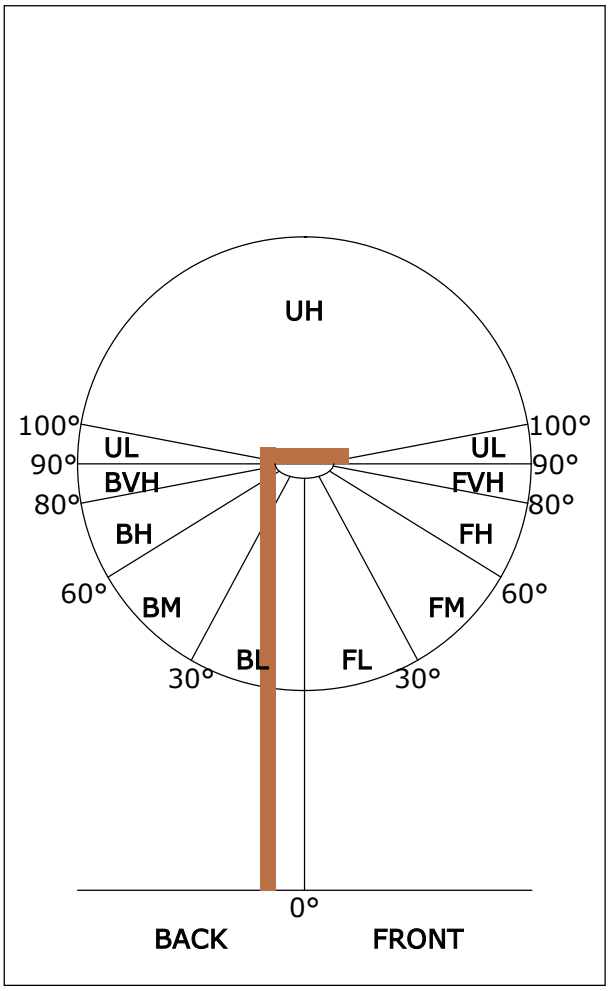
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 2701lm (8log(F/F0) = 3.5).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



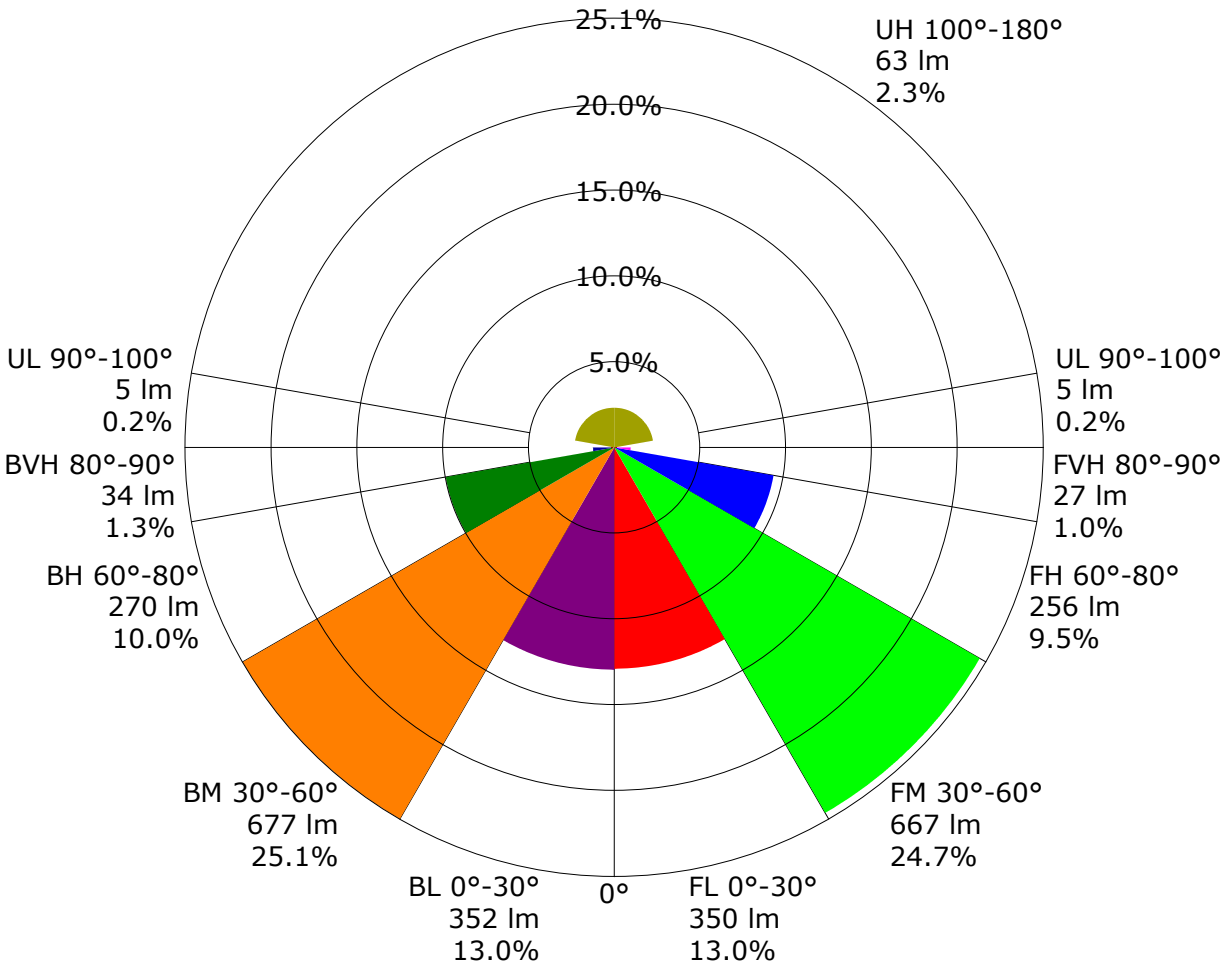
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1300	48.1
FL (0°-30°)	350	13.0
FM (30°-60°)	667	24.7
FH (60°-80°)	256	9.5
FVH (80°-90°)	27	1.0
BACK LIGHT	1333	49.4
BL (0°-30°)	352	13.0
BM (30°-60°)	677	25.1
BH (60°-80°)	270	10.0
BVH (80°-90°)	34	1.3
UP LIGHT	68	2.5
UL (90°-100°)	5	0.2
UH (100°-180°)	63	2.3
TRAPPED 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

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	0.94	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		0.42	0.52	0.60	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	0.64	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	0.68	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		0.41	0.50	0.57	0.63	0.70	0.76	0.80	0.85	0.88
0.00	0.00	0.00	0.38	0.48	0.54	0.59	0.67	0.72	0.75	0.80	0.83

Rating:30W 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	0.28	0.23
	0.30		0.84	0.71	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	0.24	0.21
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	0.32	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	0.76	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	0.29	0.23	0.19
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.23	0.18	0.15

Rating:30W 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(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	0.23	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	0.23	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	0.17	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:30W 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	901.7	0.9	0.9	0.03	0.03
1.0-2.0	901.3	2.6	3.5	0.10	0.13
2.0-3.0	900.6	4.3	7.8	0.16	0.29
3.0-4.0	899.7	6.0	13.8	0.22	0.51
4.0-5.0	898.6	7.7	21.5	0.29	0.80
5.0-6.0	897.1	9.4	30.9	0.35	1.15
6.0-7.0	895.3	11.1	42.1	0.41	1.56
7.0-8.0	892.9	12.8	54.8	0.47	2.03
8.0-9.0	890.5	14.4	69.3	0.53	2.57
9.0-10.0	888.0	16.1	85.3	0.60	3.16
10.0-11.0	884.8	17.7	103.0	0.65	3.81
11.0-12.0	881.2	19.3	122.3	0.71	4.53
12.0-13.0	877.6	20.8	143.1	0.77	5.30
13.0-14.0	873.7	22.4	165.5	0.83	6.13
14.0-15.0	869.4	23.9	189.4	0.88	7.01
15.0-16.0	864.8	25.3	214.7	0.94	7.95
16.0-17.0	859.8	26.8	241.5	0.99	8.94
17.0-18.0	854.9	28.2	269.7	1.04	9.99
18.0-19.0	849.5	29.6	299.2	1.09	11.08
19.0-20.0	843.5	30.9	330.1	1.14	12.22
20.0-21.0	837.5	32.2	362.3	1.19	13.41
21.0-22.0	831.0	33.4	395.7	1.24	14.65
22.0-23.0	824.2	34.6	430.3	1.28	15.93
23.0-24.0	817.4	35.7	466.0	1.32	17.26
24.0-25.0	810.1	36.8	502.8	1.36	18.62
25.0-26.0	802.9	37.9	540.7	1.40	20.02
26.0-27.0	795.0	38.9	579.6	1.44	21.46
27.0-28.0	786.8	39.8	619.5	1.48	22.94
28.0-29.0	778.9	40.8	660.2	1.51	24.45
29.0-30.0	770.2	41.6	701.8	1.54	25.99
30.0-31.0	761.3	42.4	744.2	1.57	27.56
31.0-32.0	752.2	43.1	787.3	1.60	29.15
32.0-33.0	742.8	43.8	831.1	1.62	30.77
33.0-34.0	733.6	44.4	875.5	1.64	32.42
34.0-35.0	723.7	45.0	920.4	1.66	34.08
35.0-36.0	713.5	45.4	965.9	1.68	35.77

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	703.5	45.9	1011.8	1.70	37.46
37.0-38.0	692.9	46.3	1058.0	1.71	39.18
38.0-39.0	682.1	46.6	1104.6	1.72	40.90
39.0-40.0	670.9	46.8	1151.4	1.73	42.63
40.0-41.0	659.7	47.0	1198.3	1.74	44.37
41.0-42.0	648.7	47.1	1245.5	1.75	46.12
42.0-43.0	637.1	47.2	1292.7	1.75	47.87
43.0-44.0	625.3	47.2	1339.9	1.75	49.61
44.0-45.0	613.3	47.1	1387.0	1.75	51.36
45.0-46.0	600.9	47.0	1434.0	1.74	53.10
46.0-47.0	588.6	46.8	1480.8	1.73	54.83
47.0-48.0	576.0	46.6	1527.4	1.72	56.56
48.0-49.0	563.2	46.3	1573.7	1.71	58.27
49.0-50.0	550.8	45.9	1619.6	1.70	59.97
50.0-51.0	537.5	45.5	1665.1	1.68	61.66
51.0-52.0	524.0	45.0	1710.1	1.67	63.32
52.0-53.0	510.3	44.4	1754.5	1.64	64.97
53.0-54.0	496.6	43.8	1798.2	1.62	66.59
54.0-55.0	483.4	43.2	1841.4	1.60	68.19
55.0-56.0	469.4	42.4	1883.8	1.57	69.76
56.0-57.0	455.2	41.6	1925.4	1.54	71.30
57.0-58.0	441.5	40.8	1966.3	1.51	72.81
58.0-59.0	427.1	39.9	2006.2	1.48	74.29
59.0-60.0	412.7	39.0	2045.2	1.44	75.73
60.0-61.0	398.1	38.0	2083.2	1.41	77.14
61.0-62.0	383.4	37.0	2120.1	1.37	78.51
62.0-63.0	369.4	35.9	2156.1	1.33	79.84
63.0-64.0	354.7	34.8	2190.9	1.29	81.13
64.0-65.0	339.8	33.6	2224.5	1.25	82.37
65.0-66.0	325.6	32.5	2257.0	1.20	83.57
66.0-67.0	310.7	31.2	2288.2	1.16	84.73
67.0-68.0	295.8	30.0	2318.2	1.11	85.84
68.0-69.0	280.8	28.7	2346.9	1.06	86.90
69.0-70.0	265.9	27.3	2374.2	1.01	87.91
70.0-71.0	251.8	26.0	2400.2	0.96	88.88
71.0-72.0	237.0	24.6	2424.9	0.91	89.79

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	222.4	23.3	2448.1	0.86	90.65
73.0-74.0	208.5	21.9	2470.0	0.81	91.46
74.0-75.0	193.9	20.5	2490.5	0.76	92.22
75.0-76.0	179.5	19.1	2509.6	0.71	92.93
76.0-77.0	165.2	17.6	2527.2	0.65	93.58
77.0-78.0	151.1	16.2	2543.4	0.60	94.18
78.0-79.0	137.7	14.8	2558.2	0.55	94.73
79.0-80.0	124.1	13.4	2571.6	0.50	95.22
80.0-81.0	110.5	12.0	2583.5	0.44	95.67
81.0-82.0	97.7	10.6	2594.1	0.39	96.06
82.0-83.0	84.8	9.2	2603.3	0.34	96.40
83.0-84.0	72.1	7.9	2611.2	0.29	96.69
84.0-85.0	59.7	6.5	2617.7	0.24	96.93
85.0-86.0	47.7	5.2	2622.9	0.19	97.12
86.0-87.0	36.5	4.0	2626.9	0.15	97.27
87.0-88.0	25.5	2.8	2629.7	0.10	97.38
88.0-89.0	16.0	1.8	2631.5	0.06	97.44
89.0-90.0	9.4	1.0	2632.5	0.04	97.48
90.0-91.0	5.4	0.6	2633.1	0.02	97.50
91.0-92.0	4.1	0.4	2633.5	0.02	97.52
92.0-93.0	4.1	0.5	2634.0	0.02	97.53
93.0-94.0	4.4	0.5	2634.5	0.02	97.55
94.0-95.0	4.6	0.5	2635.0	0.02	97.57
95.0-96.0	4.9	0.5	2635.5	0.02	97.59
96.0-97.0	5.1	0.6	2636.1	0.02	97.61
97.0-98.0	5.3	0.6	2636.6	0.02	97.63
98.0-99.0	5.6	0.6	2637.2	0.02	97.66
99.0-100.0	5.8	0.6	2637.9	0.02	97.68
100.0-101.0	6.1	0.7	2638.5	0.02	97.70
101.0-102.0	6.4	0.7	2639.2	0.03	97.73
102.0-103.0	6.6	0.7	2639.9	0.03	97.75
103.0-104.0	6.9	0.7	2640.6	0.03	97.78
104.0-105.0	7.1	0.8	2641.4	0.03	97.81
105.0-106.0	7.4	0.8	2642.2	0.03	97.84
106.0-107.0	7.6	0.8	2643.0	0.03	97.87
107.0-108.0	7.9	0.8	2643.8	0.03	97.90

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	8.1	0.8	2644.7	0.03	97.93
109.0-110.0	8.4	0.9	2645.5	0.03	97.96
110.0-111.0	8.6	0.9	2646.4	0.03	97.99
111.0-112.0	8.8	0.9	2647.3	0.03	98.03
112.0-113.0	9.1	0.9	2648.2	0.03	98.06
113.0-114.0	9.3	0.9	2649.2	0.03	98.10
114.0-115.0	9.6	1.0	2650.1	0.04	98.13
115.0-116.0	9.8	1.0	2651.1	0.04	98.17
116.0-117.0	10.0	1.0	2652.1	0.04	98.20
117.0-118.0	10.2	1.0	2653.1	0.04	98.24
118.0-119.0	10.5	1.0	2654.1	0.04	98.28
119.0-120.0	10.7	1.0	2655.1	0.04	98.32
120.0-121.0	10.9	1.0	2656.1	0.04	98.35
121.0-122.0	11.1	1.0	2657.2	0.04	98.39
122.0-123.0	11.3	1.0	2658.2	0.04	98.43
123.0-124.0	11.5	1.1	2659.3	0.04	98.47
124.0-125.0	11.7	1.1	2660.3	0.04	98.51
125.0-126.0	12.0	1.1	2661.4	0.04	98.55
126.0-127.0	12.1	1.1	2662.5	0.04	98.59
127.0-128.0	12.3	1.1	2663.5	0.04	98.63
128.0-129.0	12.5	1.1	2664.6	0.04	98.67
129.0-130.0	12.7	1.1	2665.7	0.04	98.71
130.0-131.0	12.9	1.1	2666.8	0.04	98.75
131.0-132.0	13.1	1.1	2667.8	0.04	98.79
132.0-133.0	13.3	1.1	2668.9	0.04	98.83
133.0-134.0	13.5	1.1	2670.0	0.04	98.87
134.0-135.0	13.6	1.1	2671.1	0.04	98.91
135.0-136.0	13.8	1.1	2672.1	0.04	98.95
136.0-137.0	14.0	1.1	2673.2	0.04	98.99
137.0-138.0	14.2	1.0	2674.2	0.04	99.02
138.0-139.0	14.3	1.0	2675.3	0.04	99.06
139.0-140.0	14.5	1.0	2676.3	0.04	99.10
140.0-141.0	14.7	1.0	2677.3	0.04	99.14
141.0-142.0	14.8	1.0	2678.3	0.04	99.18
142.0-143.0	15.0	1.0	2679.3	0.04	99.21
143.0-144.0	15.2	1.0	2680.3	0.04	99.25

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	15.3	1.0	2681.3	0.04	99.29
145.0-146.0	15.4	1.0	2682.3	0.04	99.32
146.0-147.0	15.6	0.9	2683.2	0.03	99.36
147.0-148.0	15.7	0.9	2684.1	0.03	99.39
148.0-149.0	15.9	0.9	2685.0	0.03	99.42
149.0-150.0	16.0	0.9	2685.9	0.03	99.46
150.0-151.0	16.2	0.9	2686.8	0.03	99.49
151.0-152.0	16.3	0.9	2687.7	0.03	99.52
152.0-153.0	16.4	0.8	2688.5	0.03	99.55
153.0-154.0	16.5	0.8	2689.3	0.03	99.58
154.0-155.0	16.7	0.8	2690.1	0.03	99.61
155.0-156.0	16.8	0.8	2690.8	0.03	99.64
156.0-157.0	16.9	0.7	2691.6	0.03	99.67
157.0-158.0	17.0	0.7	2692.3	0.03	99.69
158.0-159.0	17.2	0.7	2693.0	0.03	99.72
159.0-160.0	17.3	0.7	2693.7	0.02	99.74
160.0-161.0	17.4	0.6	2694.3	0.02	99.77
161.0-162.0	17.6	0.6	2694.9	0.02	99.79
162.0-163.0	17.7	0.6	2695.5	0.02	99.81
163.0-164.0	17.9	0.6	2696.0	0.02	99.83
164.0-165.0	18.0	0.5	2696.6	0.02	99.85
165.0-166.0	18.2	0.5	2697.1	0.02	99.87
166.0-167.0	18.3	0.5	2697.5	0.02	99.89
167.0-168.0	18.5	0.4	2698.0	0.02	99.90
168.0-169.0	18.6	0.4	2698.4	0.02	99.92
169.0-170.0	18.7	0.4	2698.8	0.01	99.93
170.0-171.0	18.8	0.3	2699.1	0.01	99.95
171.0-172.0	18.9	0.3	2699.4	0.01	99.96
172.0-173.0	19.0	0.3	2699.7	0.01	99.97
173.0-174.0	19.0	0.2	2699.9	0.01	99.98
174.0-175.0	19.1	0.2	2700.1	0.01	99.98
175.0-176.0	19.2	0.2	2700.3	0.01	99.99
176.0-177.0	19.2	0.1	2700.4	0.00	99.99
177.0-178.0	19.2	0.1	2700.5	0.00	100.00
178.0-179.0	19.3	0.1	2700.6	0.00	100.00
179.0-180.0	19.3	0.0	2700.6	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	902.6	901.9	901.3	900.4	901.3	902.6	902.6	901.9	901.3	900.4
G1.0	902.7	902.0	901.6	901.3	900.8	902.1	902.0	901.7	902.3	901.6
G2.0	900.5	900.3	899.8	900.6	901.3	902.0	902.5	901.8	900.9	900.2
G3.0	900.6	899.3	899.2	899.0	899.9	900.9	902.2	901.2	901.0	900.5
G4.0	897.9	898.1	898.9	898.6	900.0	901.4	901.0	900.8	900.1	897.9
G5.0	896.6	895.5	896.1	897.1	898.1	899.6	900.8	900.5	899.5	897.9
G6.0	894.0	893.8	894.6	895.3	895.9	898.6	900.4	899.0	898.0	895.3
G7.0	892.8	891.2	891.8	893.7	893.6	896.8	897.4	897.4	896.5	894.1
G8.0	889.4	887.5	889.9	890.8	892.3	894.9	895.4	895.0	893.9	891.9
G9.0	885.6	885.5	885.4	888.0	889.8	892.3	894.5	893.6	892.6	889.5
G10.0	885.3	882.1	883.4	884.5	887.1	889.8	890.8	891.7	888.0	887.8
G11.0	878.9	877.6	878.7	882.1	884.1	886.0	889.3	888.0	885.9	883.9
G12.0	875.4	874.5	875.9	877.8	880.9	883.0	885.3	885.2	881.9	880.6
G13.0	870.8	869.4	870.7	873.8	877.4	880.6	881.8	882.9	879.2	876.3
G14.0	866.1	865.7	866.5	869.8	872.6	876.4	878.9	878.5	874.3	874.0
G15.0	860.6	859.0	862.3	865.1	868.3	872.6	875.4	874.8	871.6	868.0
G16.0	856.5	855.2	857.7	859.9	863.6	867.8	869.5	870.0	867.1	864.1
G17.0	851.0	847.5	851.6	854.9	858.9	863.4	864.5	865.8	862.5	860.1
G18.0	845.8	843.9	846.4	850.0	854.3	858.2	860.3	861.4	857.3	854.0
G19.0	839.1	837.1	840.0	843.4	848.7	853.4	856.0	854.5	852.4	849.3
G20.0	832.8	830.1	833.2	837.6	842.3	846.8	848.9	849.6	846.3	842.1
G21.0	826.9	824.6	828.1	832.0	836.7	841.5	843.3	844.1	840.6	836.5
G22.0	819.0	816.0	818.5	823.6	829.9	836.0	837.3	838.1	834.6	829.8
G23.0	811.9	809.0	812.8	817.8	823.4	829.2	831.7	831.6	828.2	823.2
G24.0	804.4	800.8	805.4	810.2	817.1	822.2	823.8	825.5	820.0	816.1
G25.0	796.9	793.3	797.6	802.5	809.6	815.0	817.7	817.5	813.2	809.6
G26.0	788.4	786.0	790.8	795.8	802.4	808.4	810.6	811.0	806.1	801.7
G27.0	781.0	777.0	780.3	786.7	794.0	799.2	801.7	803.5	798.1	793.8
G28.0	771.8	769.3	772.6	779.4	786.2	791.9	793.6	795.0	791.0	786.7
G29.0	763.6	759.6	764.3	770.0	778.3	785.0	786.8	788.0	783.6	778.3
G30.0	754.0	750.8	754.8	761.3	769.2	775.7	777.6	779.1	773.8	769.6
G31.0	745.0	741.0	745.8	753.0	760.5	767.5	769.3	770.8	765.6	761.1
G32.0	735.1	731.6	736.3	742.2	751.1	758.5	759.6	761.5	756.6	751.0
G33.0	725.1	721.6	726.2	734.0	742.3	749.3	751.4	752.7	747.9	742.5
G34.0	716.0	712.0	716.8	723.9	732.4	740.1	742.3	743.6	738.6	732.9
G35.0	705.0	700.5	706.2	713.2	722.0	729.4	732.8	733.9	728.4	723.0
G36.0	694.7	690.9	695.8	703.3	712.2	720.4	723.5	723.9	718.0	712.2

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 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	685.5	680.9	685.2	692.9	702.4	710.4	712.2	714.1	708.4	703.8
G38.0	672.8	669.3	674.2	681.5	692.4	698.6	701.7	702.8	697.3	692.1
G39.0	662.0	657.5	663.1	671.5	681.0	689.5	691.6	692.8	688.0	681.8
G40.0	650.5	645.5	651.4	658.5	669.2	677.9	679.6	681.6	676.1	669.8
G41.0	639.8	634.6	639.3	649.0	658.6	667.0	670.2	670.8	665.0	659.8
G42.0	628.6	623.2	628.5	637.0	646.9	656.0	659.0	659.6	653.9	648.3
G43.0	615.7	610.4	616.4	624.8	635.1	643.9	647.9	648.6	641.9	637.2
G44.0	603.4	599.1	604.5	612.7	623.4	632.3	635.9	637.5	631.3	625.5
G45.0	591.6	585.7	591.7	601.6	612.2	621.4	623.3	624.4	619.3	613.2
G46.0	578.6	572.9	579.1	587.9	599.5	607.4	611.3	612.4	606.4	600.7
G47.0	565.8	559.9	566.5	577.2	586.8	596.5	600.1	601.2	595.2	588.9
G48.0	552.8	546.9	553.0	562.4	573.8	583.4	585.8	588.3	582.2	575.9
G49.0	540.9	534.4	539.8	550.0	560.8	570.8	574.2	575.5	569.5	564.2
G50.0	527.3	521.3	527.3	537.7	548.3	558.1	562.5	563.9	557.8	551.1
G51.0	513.4	507.3	513.3	523.5	534.5	544.7	547.7	549.1	544.2	537.8
G52.0	499.9	493.2	499.7	510.2	521.4	531.8	535.9	537.2	531.3	524.6
G53.0	485.7	479.0	485.6	495.3	507.3	517.8	520.7	522.5	516.4	510.7
G54.0	472.6	465.2	471.9	481.2	494.6	504.2	507.7	510.2	504.1	498.8
G55.0	458.7	451.6	458.2	469.4	480.3	491.3	494.2	497.1	490.9	484.1
G56.0	444.1	436.9	442.6	453.1	466.6	477.2	480.1	482.3	476.1	470.2
G57.0	430.2	422.6	429.0	439.9	451.6	462.8	466.4	468.5	462.9	456.9
G58.0	416.5	409.2	415.1	425.1	438.6	448.9	453.6	455.3	449.1	442.9
G59.0	400.8	393.0	399.7	410.5	423.4	434.2	437.5	439.9	435.2	428.3
G60.0	387.7	379.3	385.9	396.2	409.7	420.9	424.7	426.4	420.5	415.6
G61.0	371.7	363.7	369.9	381.6	393.1	405.0	409.6	410.5	405.9	399.6
G62.0	357.5	349.4	355.6	366.6	380.2	391.3	395.4	397.3	391.9	386.3
G63.0	343.2	334.8	341.1	353.0	366.0	377.4	380.9	383.6	377.7	372.7
G64.0	327.9	319.7	325.7	336.4	350.4	361.6	365.9	368.0	362.0	356.8
G65.0	314.3	306.0	310.8	322.9	335.5	347.1	351.3	353.5	348.0	342.9
G66.0	299.6	290.9	297.4	307.9	321.3	333.1	337.5	339.4	334.0	328.6
G67.0	284.5	275.7	280.8	292.5	306.1	317.0	321.5	323.6	318.7	313.4
G68.0	269.8	261.3	267.2	277.6	291.3	303.1	307.7	309.7	303.6	299.5
G69.0	254.0	245.6	250.9	262.6	275.7	286.8	291.8	293.8	288.1	284.1
G70.0	240.0	231.3	237.1	248.0	261.6	272.8	277.8	279.6	274.3	269.7
G71.0	226.4	217.7	222.7	234.2	247.6	258.9	262.9	265.0	259.7	255.2
G72.0	211.0	201.9	207.5	218.8	231.7	243.1	247.7	249.9	244.5	240.4
G73.0	197.3	188.5	193.9	204.4	217.7	229.0	234.2	236.1	230.7	226.1

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	183.8	174.6	179.8	190.7	203.4	214.6	219.7	221.5	216.4	212.9
G75.0	168.0	160.1	164.5	175.7	188.4	199.7	204.6	206.5	201.6	197.1
G76.0	155.0	146.4	151.3	161.6	174.3	185.5	190.2	192.3	187.4	184.1
G77.0	140.0	131.4	136.3	147.0	159.0	170.1	175.7	177.6	172.7	169.5
G78.0	127.3	118.7	123.7	133.1	145.6	156.6	161.6	163.6	159.6	155.7
G79.0	113.8	105.7	110.3	120.1	131.8	142.7	148.4	150.5	146.0	142.6
G80.0	100.3	92.4	96.7	105.8	117.5	128.4	134.0	136.2	131.9	128.2
G81.0	87.4	79.8	84.1	93.2	104.1	114.8	120.5	122.8	118.6	115.3
G82.0	75.6	68.1	72.3	80.4	91.5	102.0	107.8	110.2	106.2	102.4
G83.0	62.8	55.7	59.1	67.3	78.0	88.4	93.6	96.2	92.3	89.0
G84.0	50.8	44.3	48.0	55.7	65.4	75.5	81.5	84.2	80.3	77.0
G85.0	38.2	32.7	35.7	42.8	52.5	62.4	68.6	71.4	67.6	63.6
G86.0	27.7	22.1	25.4	31.9	40.4	50.2	56.4	59.3	55.8	52.3
G87.0	17.7	12.7	15.2	21.0	29.5	38.3	45.2	48.3	45.0	40.8
G88.0	7.1	3.7	5.7	10.3	17.3	26.3	32.8	36.2	33.0	29.2
G89.0	3.4	3.5	3.4	3.2	7.7	15.9	22.5	26.2	23.1	18.7
G90.0	3.6	3.6	3.5	3.4	3.3	6.5	11.5	15.3	12.5	8.7
G91.0	3.8	3.9	3.8	3.6	3.5	3.5	4.0	6.8	4.6	4.0
G92.0	4.0	4.1	4.0	3.8	3.7	3.7	4.0	3.9	4.0	4.2
G93.0	4.3	4.3	4.2	4.0	3.9	3.8	4.3	4.2	4.3	4.4
G94.0	4.4	4.5	4.4	4.3	4.1	4.0	4.5	4.4	4.5	4.7
G95.0	4.7	4.7	4.6	4.4	4.3	4.3	4.8	4.7	4.8	4.9
G96.0	4.9	5.0	4.8	4.7	4.6	4.5	5.0	4.9	5.1	5.3
G97.0	5.2	5.2	5.1	4.9	4.8	4.7	5.3	5.2	5.3	5.5
G98.0	5.4	5.4	5.3	5.2	5.0	4.9	5.6	5.5	5.5	5.7
G99.0	5.6	5.7	5.5	5.4	5.3	5.2	5.8	5.7	5.8	6.0
G100.0	5.8	5.9	5.7	5.7	5.5	5.4	6.0	5.9	6.0	6.3
G101.0	6.1	6.2	6.1	5.9	5.7	5.6	6.3	6.2	6.4	6.6
G102.0	6.3	6.4	6.3	6.2	6.0	5.8	6.6	6.5	6.6	6.8
G103.0	6.6	6.6	6.6	6.4	6.2	6.1	6.8	6.8	6.9	7.1
G104.0	6.9	6.9	6.8	6.6	6.5	6.3	7.1	7.1	7.2	7.4
G105.0	7.1	7.1	7.0	6.9	6.8	6.6	7.4	7.3	7.5	7.6
G106.0	7.4	7.4	7.2	7.1	7.0	6.8	7.7	7.6	7.7	7.9
G107.0	7.6	7.6	7.4	7.4	7.2	7.0	7.9	7.8	8.0	8.1
G108.0	7.8	7.8	7.7	7.6	7.5	7.3	8.2	8.1	8.3	8.4
G109.0	8.1	8.0	7.9	7.8	7.7	7.5	8.4	8.3	8.5	8.7
G110.0	8.3	8.2	8.2	8.1	8.0	7.7	8.7	8.6	8.8	8.9

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 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	8.6	8.5	8.4	8.3	8.2	7.9	9.0	8.8	9.0	9.2
G112.0	8.8	8.7	8.6	8.6	8.4	8.2	9.2	9.0	9.3	9.4
G113.0	9.1	8.9	8.9	8.8	8.6	8.4	9.5	9.3	9.5	9.7
G114.0	9.4	9.2	9.1	9.1	8.9	8.6	9.8	9.6	9.8	10.0
G115.0	9.5	9.4	9.4	9.3	9.1	8.8	10.0	9.8	10.0	10.3
G116.0	9.8	9.5	9.6	9.5	9.3	9.1	10.3	10.0	10.2	10.4
G117.0	10.0	9.8	9.8	9.8	9.5	9.3	10.5	10.3	10.4	10.7
G118.0	10.2	10.0	9.9	10.0	9.7	9.5	10.8	10.5	10.6	10.9
G119.0	10.4	10.1	10.2	10.2	9.9	9.6	10.9	10.7	10.9	11.1
G120.0	10.6	10.4	10.4	10.4	10.1	9.9	11.1	11.0	11.1	11.4
G121.0	10.9	10.6	10.6	10.6	10.4	10.1	11.4	11.2	11.3	11.6
G122.0	11.1	10.8	10.9	10.9	10.6	10.4	11.6	11.4	11.6	11.8
G123.0	11.4	11.0	11.1	11.0	10.8	10.5	11.8	11.7	11.7	12.0
G124.0	11.5	11.2	11.3	11.2	11.0	10.7	12.0	11.8	12.0	12.2
G125.0	11.7	11.4	11.4	11.5	11.2	10.9	12.3	12.1	12.2	12.5
G126.0	11.9	11.6	11.7	11.7	11.4	11.1	12.4	12.3	12.4	12.7
G127.0	12.0	11.8	11.8	11.9	11.6	11.3	12.6	12.5	12.6	12.9
G128.0	12.3	12.0	12.0	12.1	11.8	11.5	12.8	12.6	12.8	13.0
G129.0	12.4	12.3	12.2	12.3	12.0	11.7	13.0	12.9	13.0	13.2
G130.0	12.6	12.4	12.3	12.4	12.1	11.9	13.3	13.1	13.2	13.5
G131.0	12.7	12.7	12.6	12.6	12.4	12.1	13.4	13.2	13.4	13.6
G132.0	12.9	12.8	12.7	12.8	12.6	12.3	13.6	13.4	13.6	13.9
G133.0	13.1	13.1	12.9	13.0	12.8	12.5	13.8	13.6	13.8	14.0
G134.0	13.3	13.3	13.1	13.1	12.9	12.6	13.9	13.8	13.9	14.2
G135.0	13.4	13.4	13.3	13.3	13.1	12.9	14.1	13.9	14.2	14.4
G136.0	13.6	13.6	13.4	13.5	13.3	13.1	14.3	14.1	14.4	14.6
G137.0	13.8	13.8	13.6	13.7	13.5	13.3	14.4	14.2	14.6	14.7
G138.0	13.9	14.0	13.8	13.9	13.8	13.5	14.6	14.4	14.8	14.9
G139.0	14.1	14.2	13.9	14.0	13.9	13.6	14.7	14.6	15.0	15.1
G140.0	14.2	14.4	14.1	14.1	14.1	13.9	14.9	14.7	15.1	15.1
G141.0	14.4	14.6	14.3	14.4	14.3	14.1	15.0	14.8	15.3	15.4
G142.0	14.5	14.7	14.5	14.5	14.5	14.2	15.2	15.0	15.4	15.5
G143.0	14.7	14.9	14.6	14.6	14.6	14.4	15.4	15.1	15.5	15.7
G144.0	14.9	15.1	14.8	14.8	14.9	14.7	15.5	15.3	15.6	15.8
G145.0	15.1	15.2	15.0	15.0	15.0	14.8	15.6	15.4	15.8	16.0
G146.0	15.1	15.3	15.2	15.1	15.2	15.0	15.7	15.5	15.9	16.1
G147.0	15.4	15.5	15.3	15.3	15.2	15.2	15.8	15.7	16.0	16.2

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 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	15.6	15.6	15.5	15.4	15.5	15.3	16.0	15.8	16.1	16.3
G149.0	15.6	15.8	15.6	15.6	15.6	15.5	16.1	16.0	16.3	16.5
G150.0	15.9	15.9	15.7	15.7	15.8	15.7	16.3	16.2	16.4	16.5
G151.0	16.0	16.0	16.0	15.8	15.9	15.8	16.4	16.3	16.5	16.6
G152.0	16.1	16.2	16.1	15.9	16.0	16.0	16.5	16.4	16.6	16.8
G153.0	16.2	16.3	16.2	16.1	16.1	16.1	16.6	16.5	16.7	16.9
G154.0	16.4	16.5	16.4	16.3	16.3	16.3	16.7	16.6	16.8	17.0
G155.0	16.5	16.6	16.6	16.4	16.3	16.4	16.8	16.8	16.9	17.0
G156.0	16.6	16.7	16.7	16.5	16.4	16.5	16.9	16.9	17.0	17.2
G157.0	16.8	16.8	16.8	16.7	16.6	16.6	17.1	17.0	17.1	17.3
G158.0	16.9	16.9	16.9	16.8	16.7	16.8	17.2	17.2	17.3	17.5
G159.0	17.1	17.1	17.1	16.9	16.8	16.9	17.4	17.2	17.3	17.6
G160.0	17.2	17.2	17.1	17.0	16.9	17.0	17.5	17.4	17.6	17.8
G161.0	17.4	17.3	17.4	17.1	17.0	17.2	17.7	17.5	17.7	17.9
G162.0	17.5	17.5	17.6	17.3	17.2	17.4	17.8	17.6	17.8	18.1
G163.0	17.7	17.6	17.6	17.4	17.3	17.5	17.9	17.9	18.0	18.2
G164.0	17.8	17.8	17.8	17.5	17.5	17.7	18.1	18.0	18.1	18.4
G165.0	18.0	18.0	17.9	17.7	17.6	17.8	18.2	18.2	18.3	18.6
G166.0	18.2	18.1	18.1	17.8	17.7	17.9	18.3	18.3	18.5	18.7
G167.0	18.3	18.3	18.3	18.0	17.9	18.1	18.5	18.4	18.6	18.9
G168.0	18.5	18.4	18.4	18.2	18.0	18.2	18.7	18.6	18.7	19.0
G169.0	18.6	18.6	18.5	18.4	18.2	18.3	18.8	18.7	18.9	19.2
G170.0	18.7	18.7	18.7	18.6	18.4	18.6	19.0	18.9	18.8	19.2
G171.0	18.8	18.8	18.8	18.8	18.5	18.7	19.0	18.9	19.0	19.3
G172.0	18.9	18.9	18.9	19.0	18.7	18.8	19.1	19.0	19.0	19.4
G173.0	19.0	18.9	19.0	19.0	18.7	18.9	19.1	19.0	19.1	19.4
G174.0	19.1	19.0	19.0	19.1	18.8	19.0	19.2	19.0	19.1	19.5
G175.0	19.2	19.0	19.1	19.3	18.9	19.0	19.3	19.1	19.1	19.5
G176.0	19.3	19.1	19.1	19.3	19.0	19.1	19.3	19.1	19.1	19.5
G177.0	19.2	19.1	19.1	19.4	19.0	19.1	19.4	19.2	19.2	19.6
G178.0	19.4	19.2	19.1	19.5	19.0	19.1	19.3	19.2	19.2	19.6
G179.0	19.4	19.2	19.1	19.5	19.1	19.2	19.4	19.2	19.2	19.6
G180.0	19.4	19.2	19.2	19.5	19.2	19.2	19.3	19.2	19.2	19.6

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	901.3	902.6	902.6							
G1.0	901.4	900.5	902.7							
G2.0	900.9	900.0	900.5							
G3.0	899.8	899.6	900.6							
G4.0	897.7	897.8	897.9							
G5.0	897.3	896.2	896.6							
G6.0	896.1	895.0	894.0							
G7.0	892.9	892.0	892.8							
G8.0	890.3	889.4	889.4							
G9.0	888.7	886.7	885.6							
G10.0	885.7	883.5	885.3							
G11.0	881.2	879.9	878.9							
G12.0	878.6	874.7	875.4							
G13.0	874.5	871.8	870.8							
G14.0	870.2	867.3	866.1							
G15.0	866.6	862.4	860.6							
G16.0	860.3	856.6	856.5							
G17.0	855.3	852.0	851.0							
G18.0	850.6	846.6	845.8							
G19.0	844.1	841.1	839.1							
G20.0	839.4	834.6	832.8							
G21.0	832.9	828.4	826.9							
G22.0	825.0	820.8	819.0							
G23.0	819.1	814.8	811.9							
G24.0	812.1	806.6	804.4							
G25.0	805.7	799.9	796.9							
G26.0	798.0	792.5	788.4							
G27.0	789.1	782.8	781.0							
G28.0	782.5	776.0	771.8							
G29.0	772.9	766.9	763.6							
G30.0	764.4	758.2	754.0							
G31.0	754.9	749.4	745.0							
G32.0	746.2	739.0	735.1							
G33.0	736.4	729.9	725.1							
G34.0	728.6	720.8	716.0							
G35.0	717.1	709.5	705.0							
G36.0	707.3	700.0	694.7							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	696.9	689.3	685.5							
G38.0	686.5	678.3	672.8							
G39.0	675.5	667.8	662.0							
G40.0	664.0	656.1	650.5							
G41.0	653.5	644.9	639.8							
G42.0	642.2	633.1	628.6							
G43.0	630.1	621.3	615.7							
G44.0	618.7	609.7	603.4							
G45.0	605.2	596.4	591.6							
G46.0	594.3	584.6	578.6							
G47.0	582.1	572.1	565.8							
G48.0	568.9	559.0	552.8							
G49.0	556.9	546.3	540.9							
G50.0	544.8	534.7	527.3							
G51.0	530.4	520.3	513.4							
G52.0	517.8	507.6	499.9							
G53.0	503.1	493.2	485.7							
G54.0	490.7	480.1	472.6							
G55.0	477.8	467.4	458.7							
G56.0	462.6	452.5	444.1							
G57.0	450.0	439.2	430.2							
G58.0	435.7	425.1	416.5							
G59.0	421.2	410.5	400.8							
G60.0	407.6	396.1	387.7							
G61.0	393.0	381.3	371.7							
G62.0	378.6	367.4	357.5							
G63.0	365.0	353.3	343.2							
G64.0	350.1	338.6	327.9							
G65.0	335.7	323.8	314.3							
G66.0	322.1	310.1	299.6							
G67.0	306.4	295.0	284.5							
G68.0	292.6	280.9	269.8							
G69.0	276.6	265.5	254.0							
G70.0	263.0	251.4	240.0							
G71.0	248.6	237.6	226.4							
G72.0	233.7	221.8	211.0							
G73.0	219.5	208.4	197.3							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	205.8	194.4	183.8							
G75.0	190.9	179.6	168.0							
G76.0	177.1	165.8	155.0							
G77.0	162.7	151.4	140.0							
G78.0	148.9	138.5	127.3							
G79.0	136.0	124.9	113.8							
G80.0	122.0	111.1	100.3							
G81.0	108.8	97.9	87.4							
G82.0	96.5	85.7	75.6							
G83.0	82.3	71.9	62.8							
G84.0	70.4	60.2	50.8							
G85.0	57.7	47.7	38.2							
G86.0	45.7	36.1	27.7							
G87.0	34.7	25.4	17.7							
G88.0	22.7	14.0	7.1							
G89.0	12.8	5.2	3.4							
G90.0	4.1	4.0	3.6							
G91.0	4.2	4.3	3.8							
G92.0	4.4	4.5	4.0							
G93.0	4.6	4.8	4.3							
G94.0	4.9	5.1	4.4							
G95.0	5.2	5.3	4.7							
G96.0	5.4	5.6	4.9							
G97.0	5.7	5.8	5.2							
G98.0	5.9	6.1	5.4							
G99.0	6.2	6.4	5.6							
G100.0	6.5	6.6	5.8							
G101.0	6.8	6.9	6.1							
G102.0	7.1	7.2	6.3							
G103.0	7.3	7.4	6.6							
G104.0	7.6	7.8	6.9							
G105.0	7.8	8.0	7.1							
G106.0	8.1	8.3	7.4							
G107.0	8.3	8.5	7.6							
G108.0	8.6	8.8	7.8							
G109.0	8.9	9.0	8.1							
G110.0	9.1	9.2	8.3							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	9.3	9.5	8.6							
G112.0	9.6	9.8	8.8							
G113.0	9.8	10.0	9.1							
G114.0	10.1	10.3	9.4							
G115.0	10.3	10.4	9.5							
G116.0	10.5	10.7	9.8							
G117.0	10.8	10.9	10.0							
G118.0	11.0	11.1	10.2							
G119.0	11.2	11.3	10.4							
G120.0	11.5	11.6	10.6							
G121.0	11.6	11.8	10.9							
G122.0	11.8	12.1	11.1							
G123.0	12.0	12.3	11.4							
G124.0	12.2	12.5	11.5							
G125.0	12.4	12.6	11.7							
G126.0	12.6	12.9	11.9							
G127.0	12.8	13.0	12.0							
G128.0	13.0	13.2	12.3							
G129.0	13.2	13.4	12.4							
G130.0	13.4	13.5	12.6							
G131.0	13.6	13.7	12.7							
G132.0	13.8	13.9	12.9							
G133.0	13.9	14.1	13.1							
G134.0	14.1	14.3	13.3							
G135.0	14.3	14.4	13.4							
G136.0	14.4	14.6	13.6							
G137.0	14.6	14.8	13.8							
G138.0	14.8	14.9	13.9							
G139.0	15.0	15.0	14.1							
G140.0	15.1	15.2	14.2							
G141.0	15.3	15.4	14.4							
G142.0	15.4	15.5	14.5							
G143.0	15.6	15.7	14.7							
G144.0	15.7	15.8	14.9							
G145.0	15.8	15.9	15.1							
G146.0	16.0	16.1	15.1							
G147.0	16.1	16.2	15.4							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	16.3	16.3	15.6							
G149.0	16.4	16.5	15.6							
G150.0	16.5	16.6	15.9							
G151.0	16.6	16.7	16.0							
G152.0	16.8	16.9	16.1							
G153.0	16.9	16.9	16.2							
G154.0	17.0	17.1	16.4							
G155.0	17.1	17.2	16.5							
G156.0	17.2	17.3	16.6							
G157.0	17.4	17.3	16.8							
G158.0	17.5	17.4	16.9							
G159.0	17.6	17.6	17.1							
G160.0	17.8	17.7	17.2							
G161.0	17.9	17.8	17.4							
G162.0	18.1	18.0	17.5							
G163.0	18.2	18.1	17.7							
G164.0	18.4	18.3	17.8							
G165.0	18.5	18.4	18.0							
G166.0	18.6	18.6	18.2							
G167.0	18.7	18.7	18.3							
G168.0	18.8	18.8	18.5							
G169.0	18.9	18.9	18.6							
G170.0	19.0	19.0	18.7							
G171.0	19.0	19.0	18.8							
G172.0	19.0	19.0	18.9							
G173.0	19.0	19.0	19.0							
G174.0	19.1	19.1	19.1							
G175.0	19.1	19.1	19.2							
G176.0	19.2	19.1	19.3							
G177.0	19.2	19.2	19.2							
G178.0	19.2	19.2	19.4							
G179.0	19.2	19.1	19.4							
G180.0	19.2	19.1	19.4							

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: