

Report No.:

Test Time: 2020-10-31 07:28

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS0210W12V30KD40 (不帶帽沿CXM-9, 10.27W)

Lamp Catalog: CXM-9-30-80-36

Voltage: 11.9 V

Power: 9.94 W

Lamp Description: DDC10WB12S-230

Current: 0.921 A

Power Factor: 0.907

Volt Amps: 11.51 VA

Photometric Results

CIE Class: Direct

Measurement Flux: 775.7 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H73.1,H37.5,H23.4,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V74.4,V38.2,V23.6,V1

Luminaire Efficacy Rating (LER): 78.08

Max. Intensity: 1450.65 cd

S/MH(C0/C180): 0.60

Total Rated Lamp Lumens: 775.7 lm

Efficiency: 100%

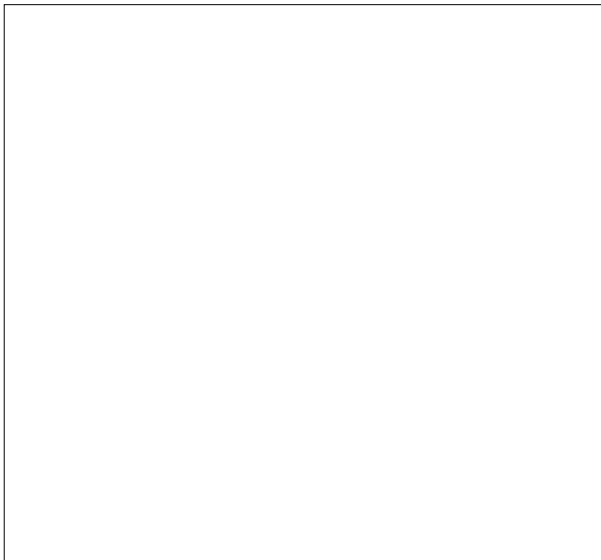
Upward Ratio: 1%

Central Intensity: 1445.32 cd

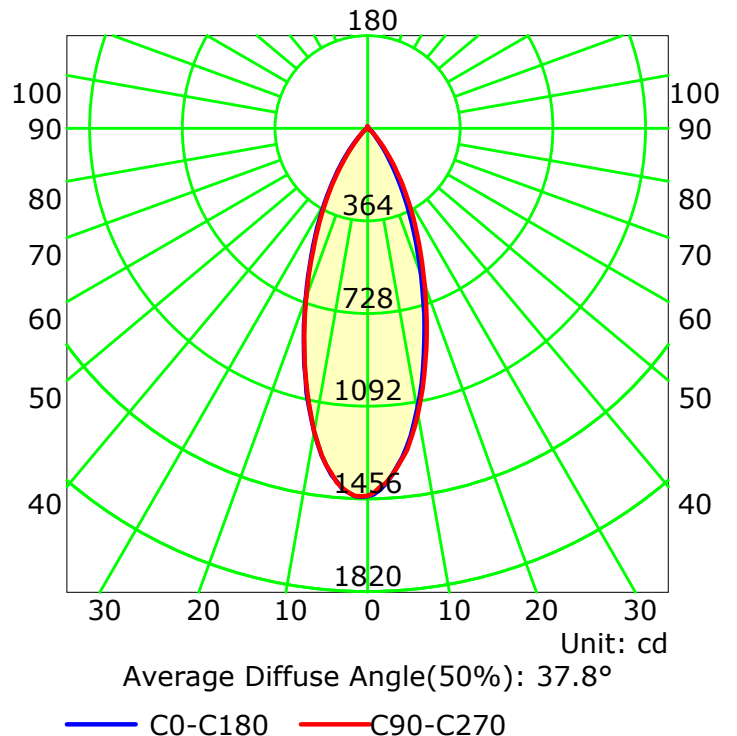
Pos of Max. Intensity: H240 V1

S/MH(C90/C270): 0.61

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

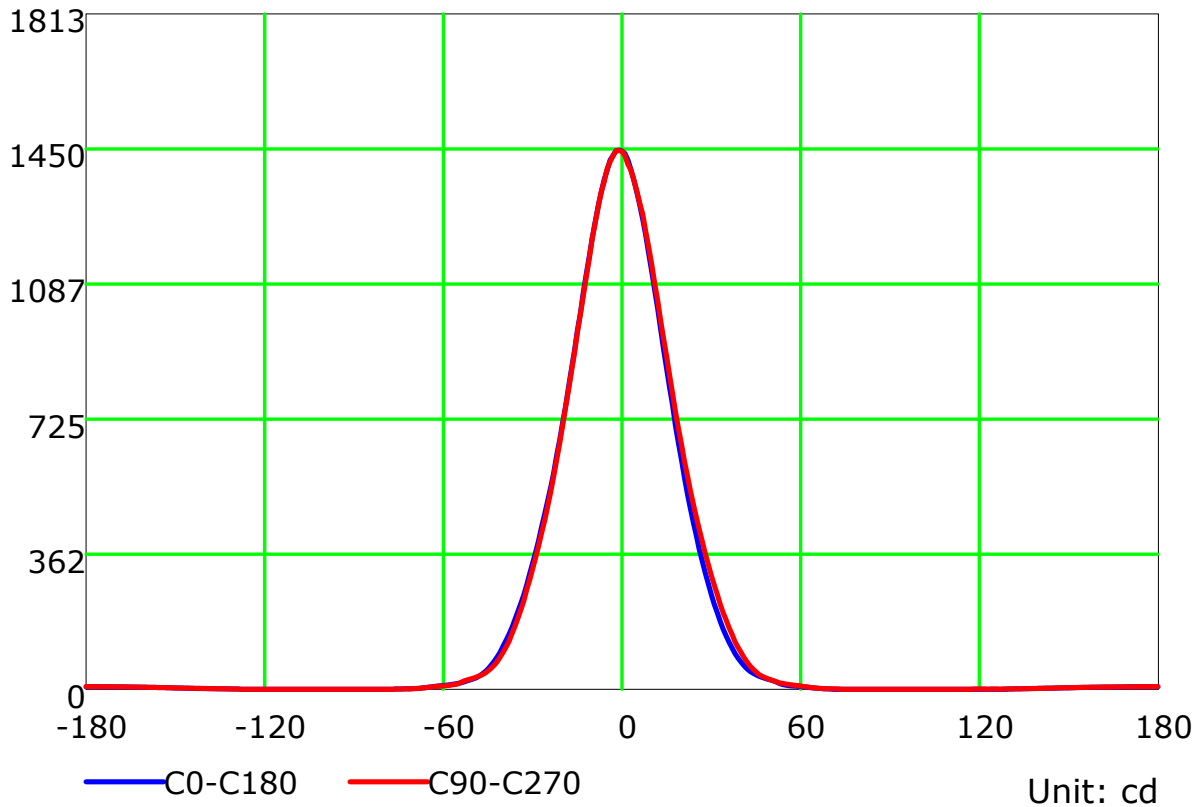
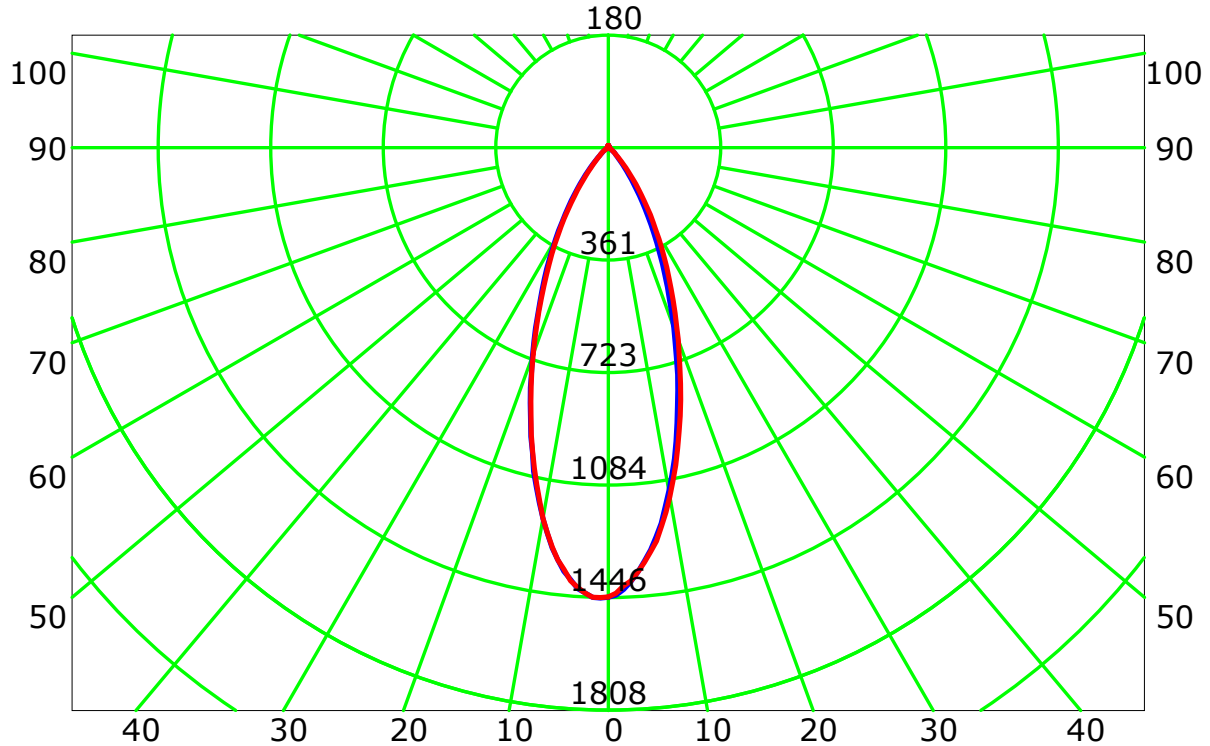
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

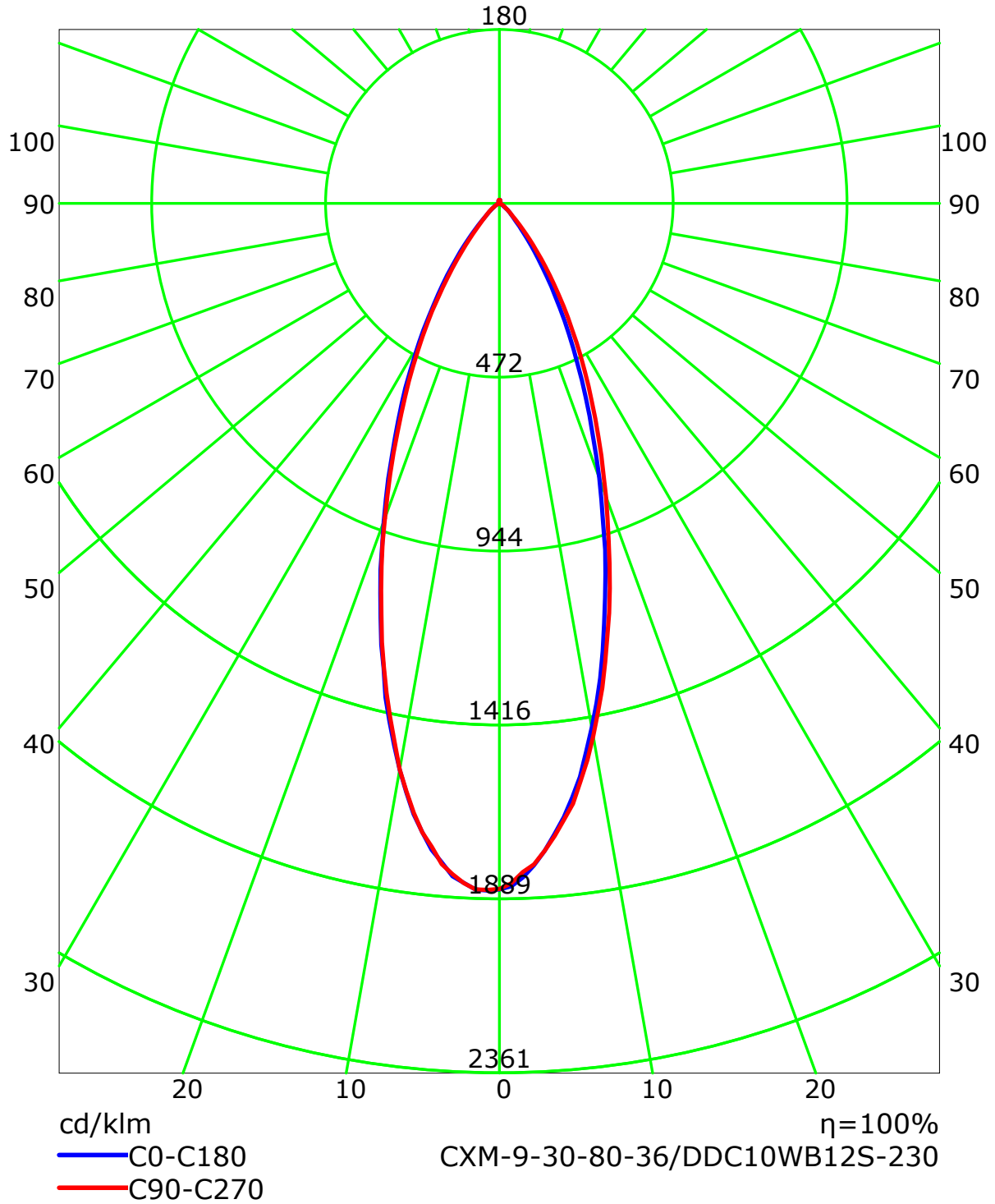
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



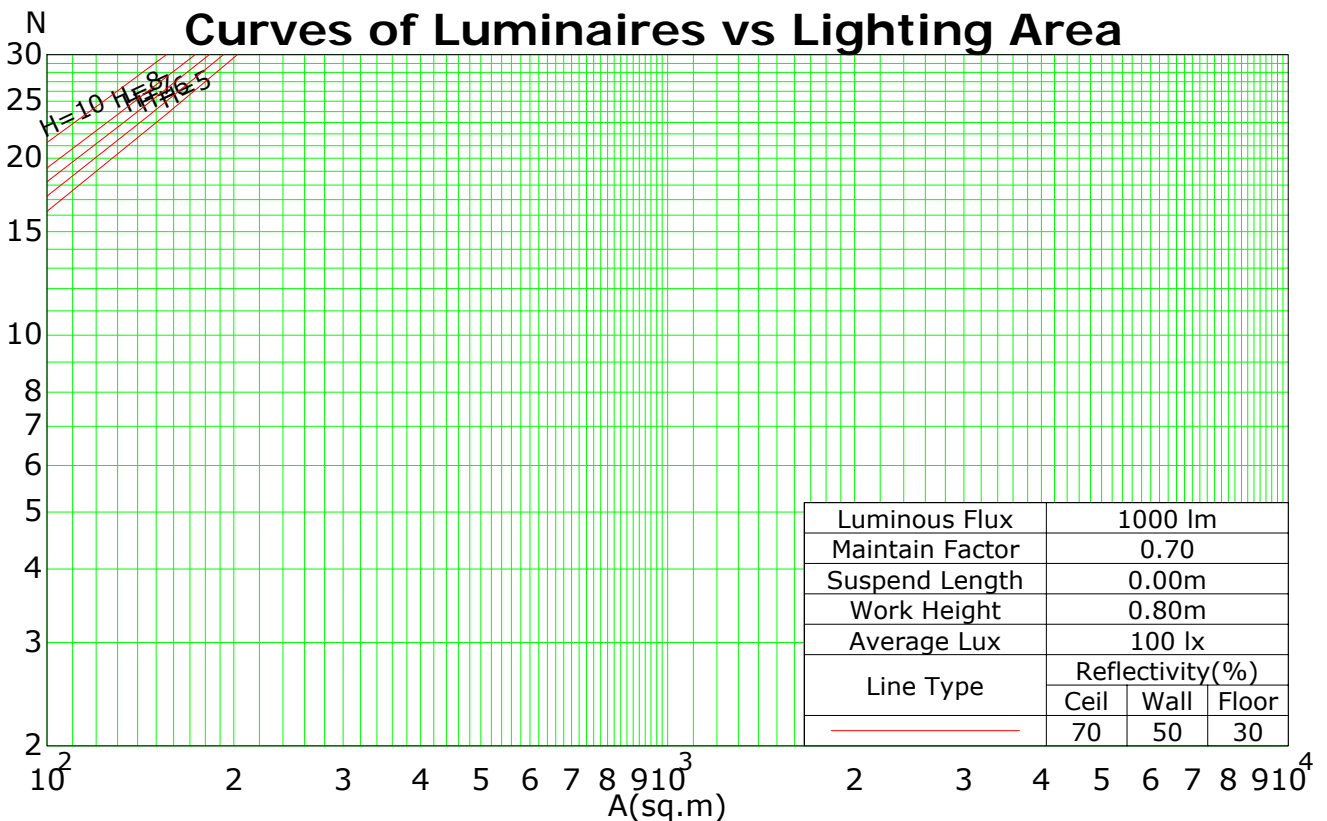
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	114	111	108	106	111	109	106	105	104	103	101	100	99	98	97	96	95	93
2	108	104	100	97	106	102	98	95	98	96	93	95	93	91	92	91	89	87
3	103	97	92	89	101	96	91	88	93	89	86	90	87	85	88	86	83	82
4	98	91	86	82	97	90	85	82	88	84	80	86	82	79	84	81	78	77
5	94	86	81	76	92	85	80	76	83	79	75	81	78	75	80	76	74	72
6	90	81	76	72	88	80	75	71	79	74	71	77	73	70	76	72	70	68
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65
8	82	73	67	64	81	72	67	63	71	67	63	70	66	63	69	65	63	61
9	79	70	64	60	77	69	64	60	68	63	60	67	63	60	66	62	59	58
10	75	66	61	57	74	66	61	57	65	60	57	64	60	57	63	59	57	55

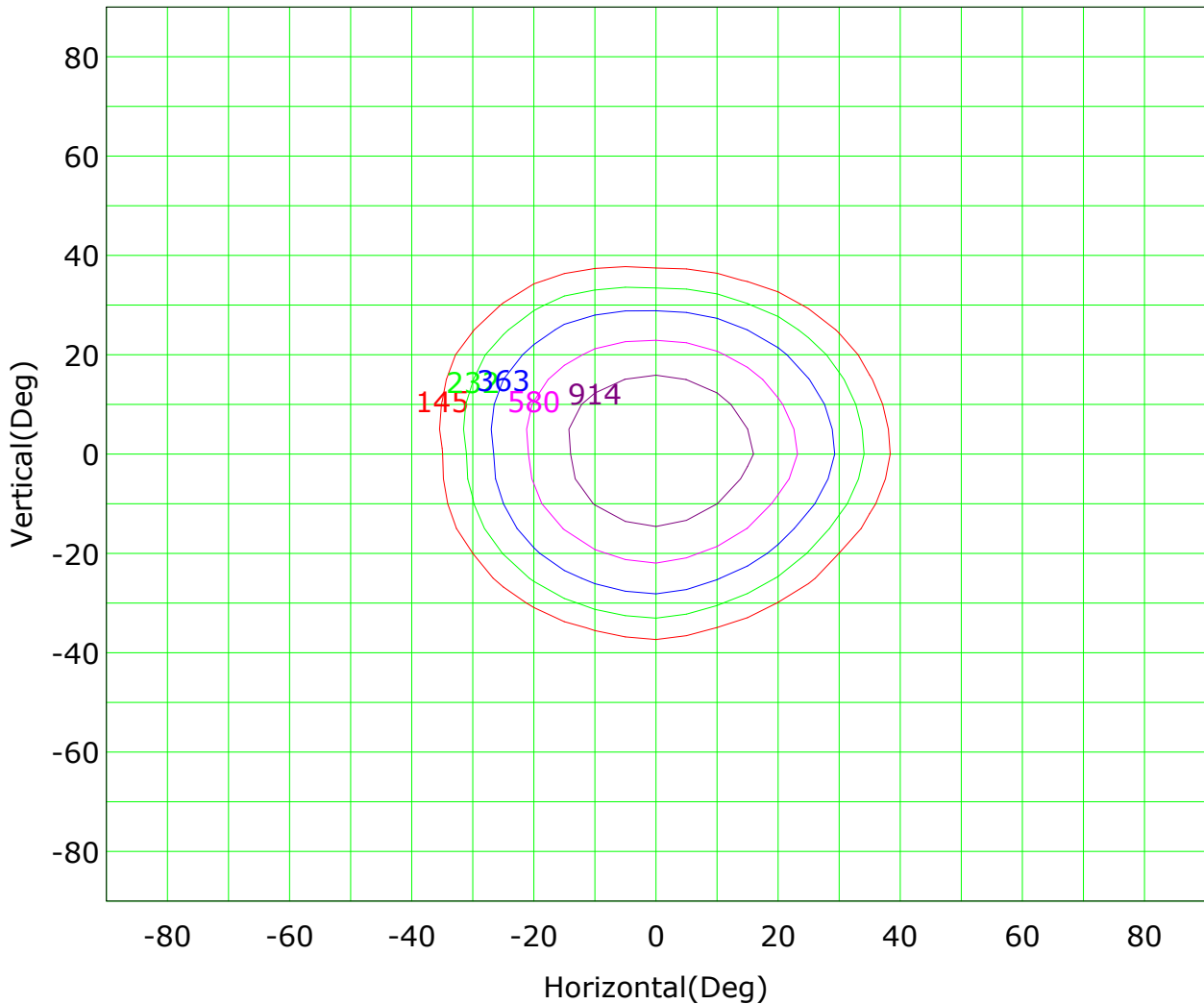
Spacing Criteria (0-180): 0.60
 Spacing Criteria (90-270): 0.61
 Spacing Criteria (Diagonal): 0.65



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (rectangle)



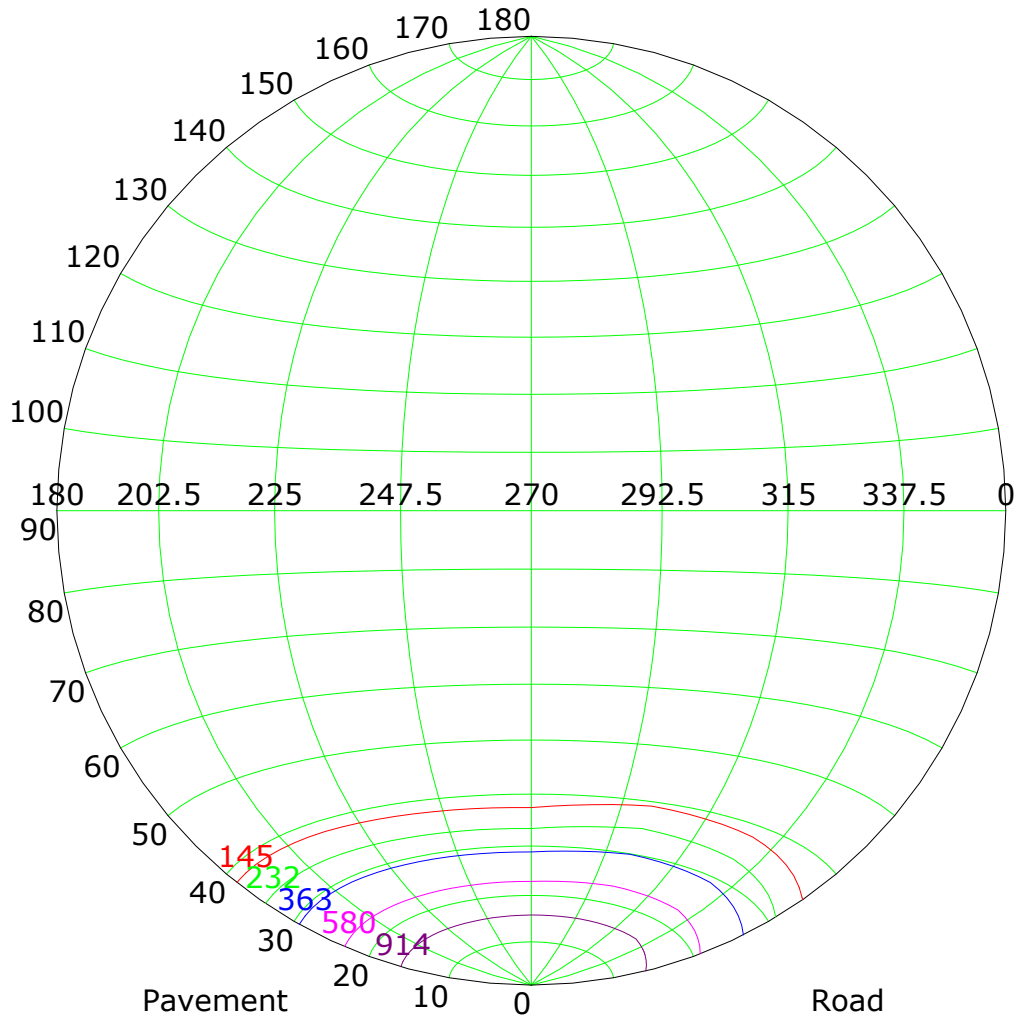
Imax (100%): 1451 cd

- | | |
|------------------|-------------------|
| — (10%): 145 cd | — (16%): 232 cd |
| — (25%): 363 cd | — (40%): 580 cd |
| — (63%): 914 cd | — (100%): 1451 cd |

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (sphere)



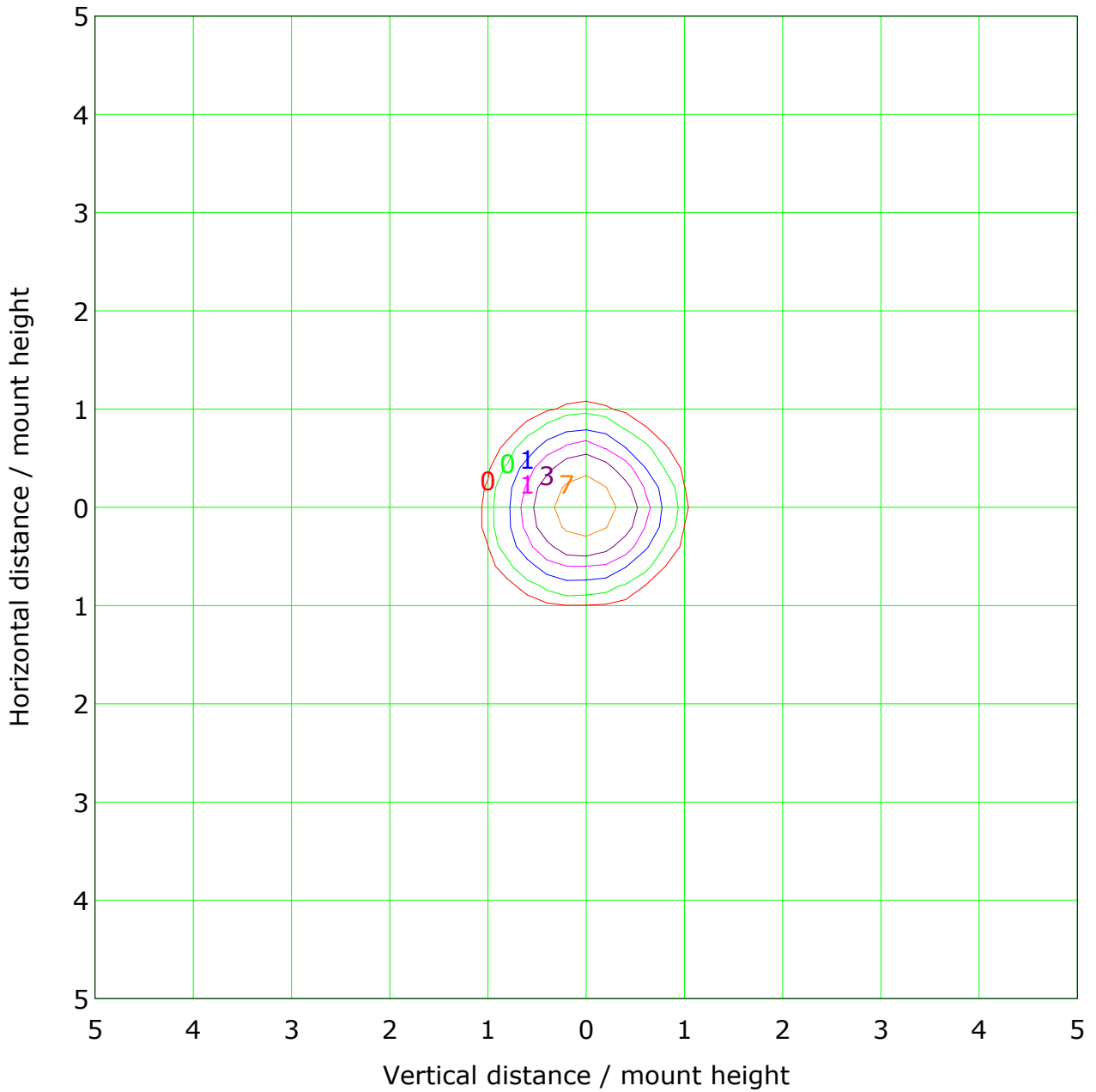
Imax (100%): 1451 cd

— (10%): 145 cd	— (16%): 232 cd
— (25%): 363 cd	— (40%): 580 cd
— (63%): 914 cd	— (100%): 1451 cd

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

IsoLux Plot



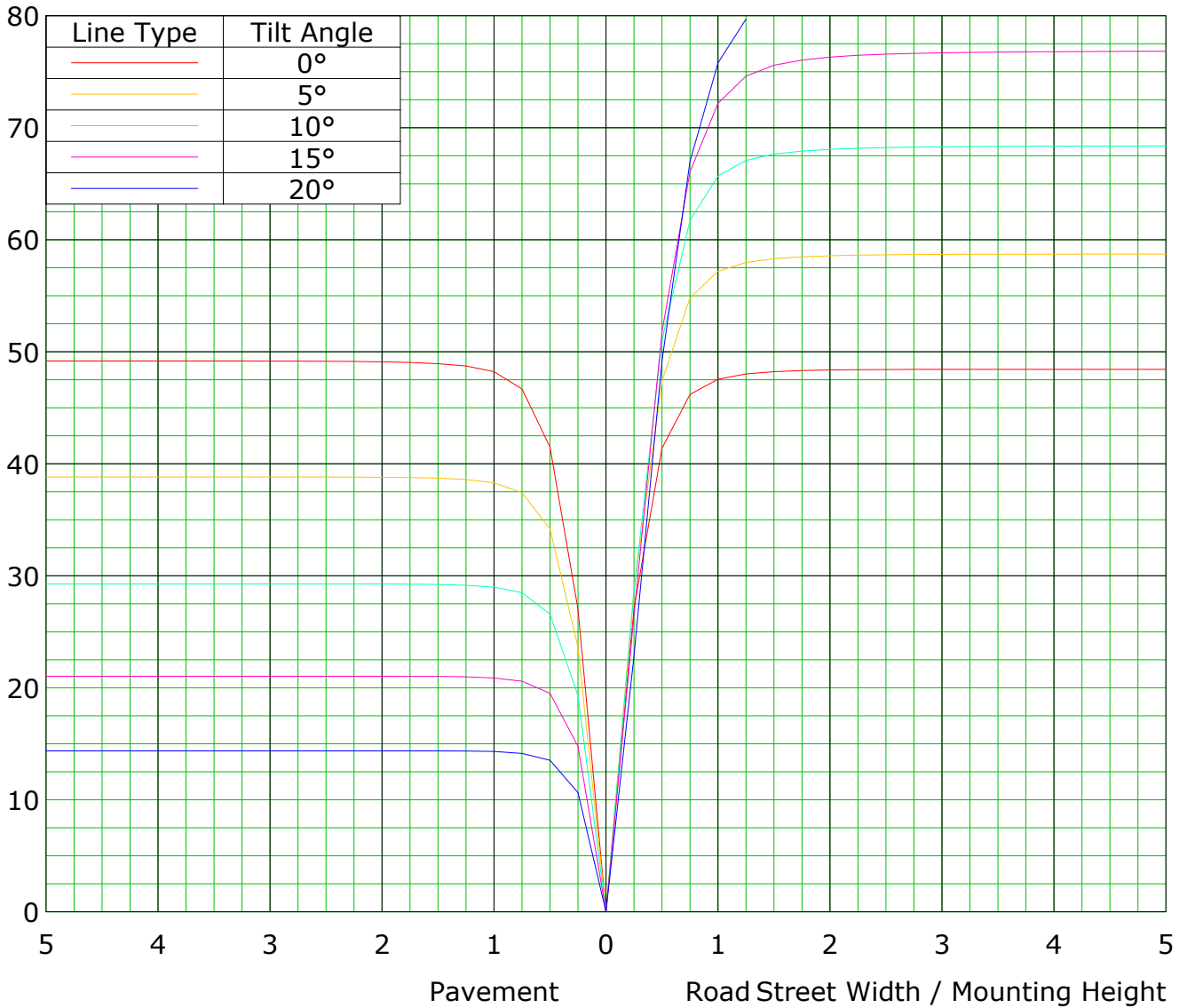
Mounting Height: 10.0m		Max Lux(100%): 14.5 lx	
<ul style="list-style-type: none"> — (1%): 0.1 lx — (5%): 0.7 lx — (20%): 2.9 lx — (100%): 14.5 lx 	<ul style="list-style-type: none"> — (2%): 0.3 lx — (10%): 1.4 lx — (50%): 7.2 lx 		

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



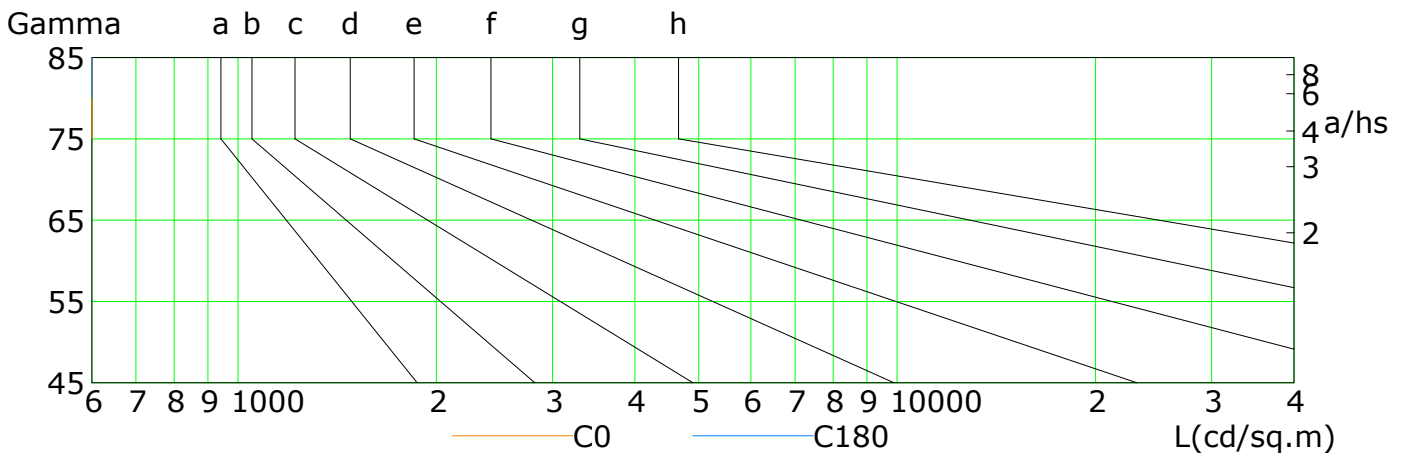
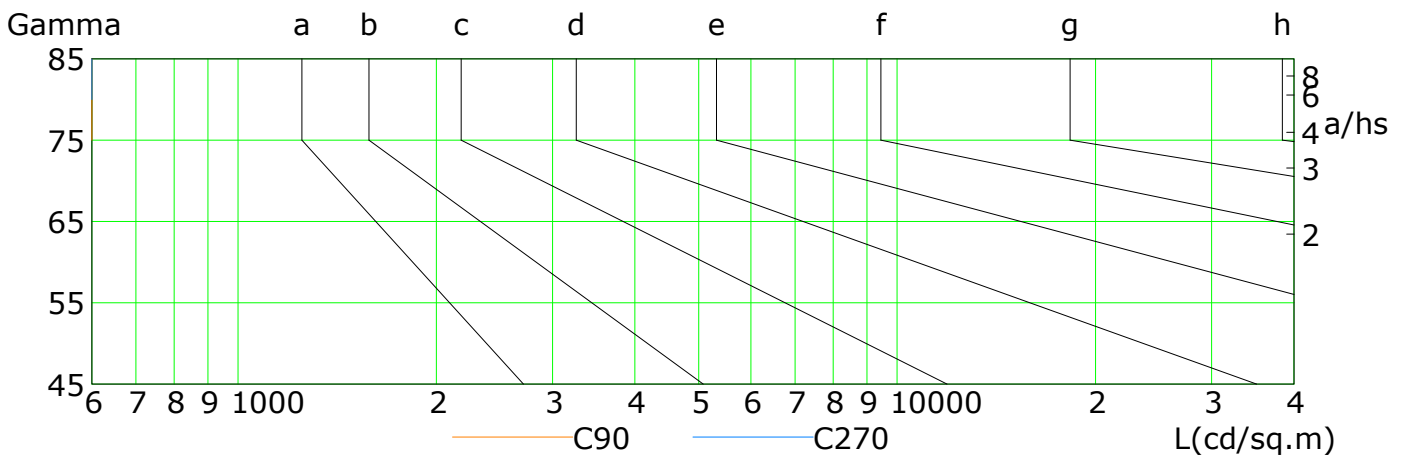
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)								
		2000	1000	500	<=300					
1.15	A									
1.50	B									
1.85	C									
2.20	D									
2.55	E									

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	39	25	11	8	3	1	0	0	0
C90	47	26	15	9	4	2	0	0	0
C180	55	28	16	10	6	2	1	0	0
C270	50	30	15	9	6	2	1	0	0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

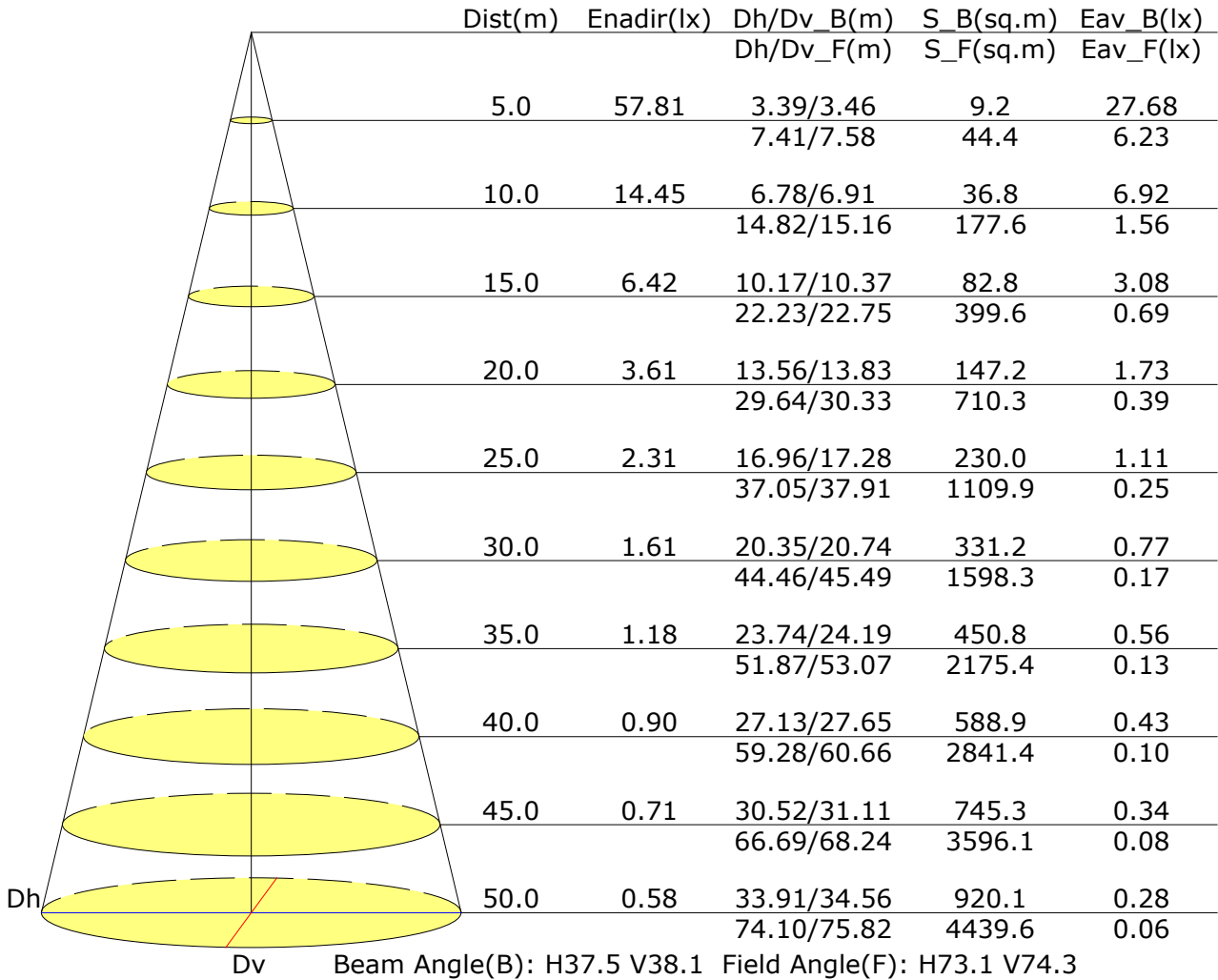
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

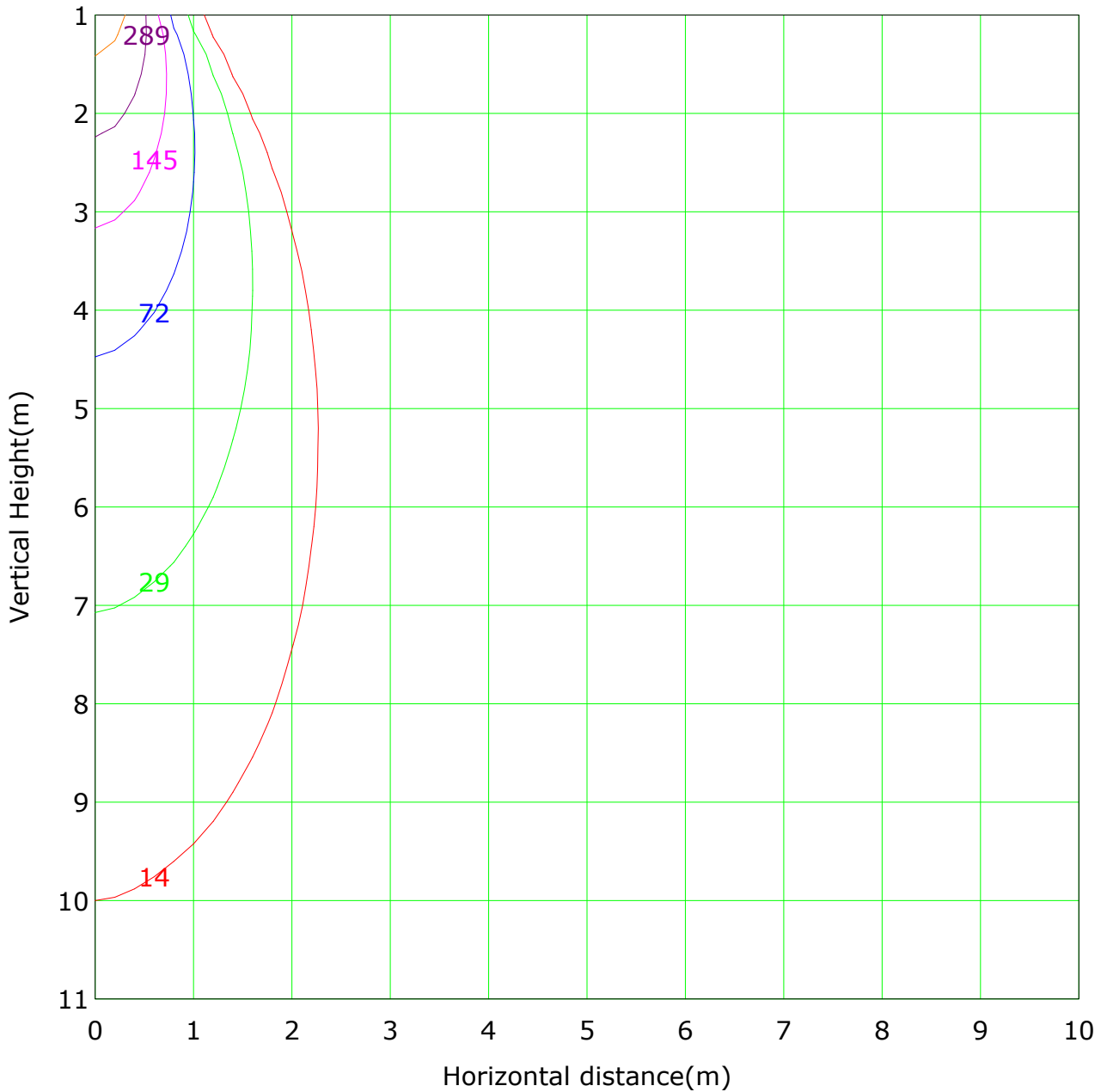
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1445.3 lx

- (1%): 14.5 lx
- (2%): 28.9 lx
- (5%): 72.3 lx
- (10%): 144.5 lx
- (20%): 289.1 lx
- (50%): 722.7 lx
- (100%):1445.3 lx

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Area Flux Table

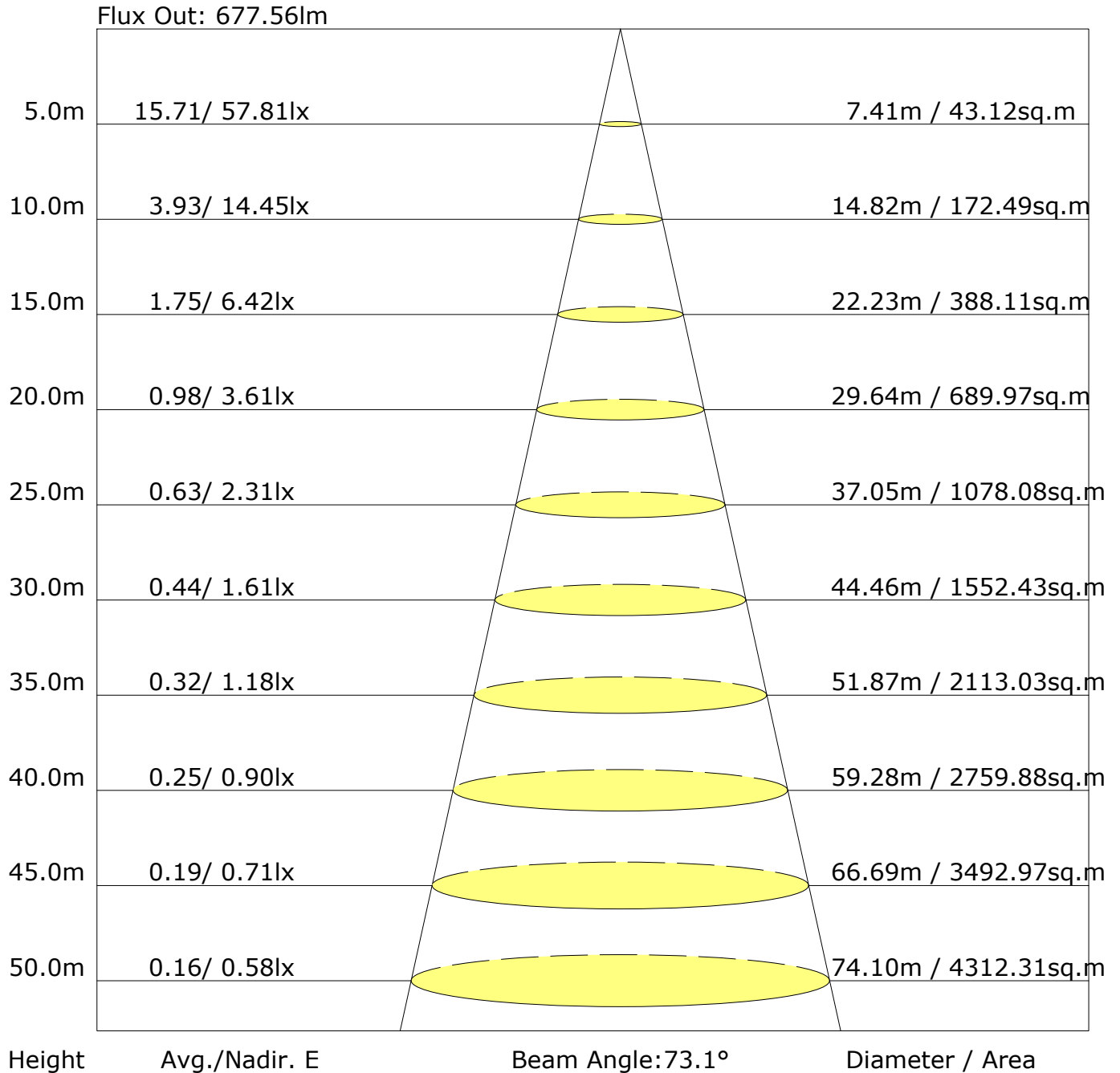
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-70	0.0	0.0	0.0	0.0	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	0.5	0.0
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	1.9	0.0
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.6	0.9	0.9	0.6	0.3	0.3	0.3	0.2	0.2	6.9	0.0
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.6	0.9	1.7	1.7	0.9	0.9	0.4	0.4	0.4	13.0	0.0
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	4.5	4.5	1.8	1.8	0.8	0.8	0.8	53.6	0.0
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	8.5	8.9	3.5	3.5	1.2	1.2	1.2	111.6	0.0
	-10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	13.1	13.1	5.3	5.3	1.5	1.5	1.5	165.2	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	13.4	13.4	5.4	5.4	1.5	1.5	1.5	2165.9	0.0
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	9.5	9.5	3.8	3.8	1.1	1.1	1.1	9112.6	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	4.7	4.7	1.9	1.9	0.7	0.7	0.7	51.2	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	1.6	1.6	0.8	0.8	0.4	0.4	0.4	8.2	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.5	0.5	0.3	0.3	0.2	0.2	0.2	0.0	0.0
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.9	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
																					767	681

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
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 Operator:

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 Distance: 11.573 m [K=1.0000]
 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.\$
S=1.5H										-1.\$/-1.\$
S=2.0H										-1.\$/-1.\$

Calculate in accordance with CIE Pub.117. The table is revised with 776lm ($8\log(F/F_0) = -0.9$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

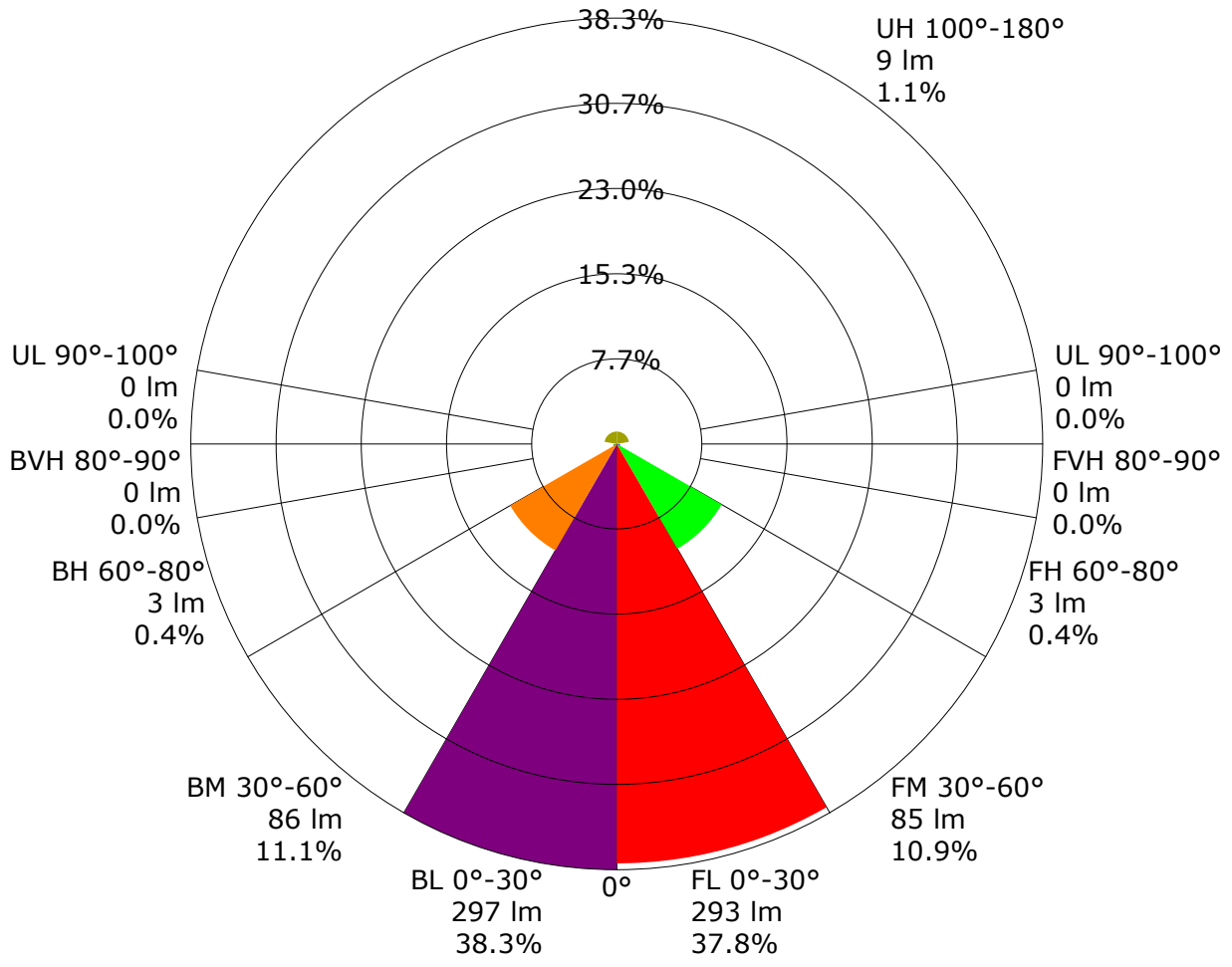
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	381	49.1
	FL (0°-30°)	293	37.8
	FM (30°-60°)	85	10.9
	FH (60°-80°)	3	0.4
	FVH (80°-90°)	0	0.0
	BACK LIGHT	386	49.8
	BL (0°-30°)	297	38.3
	BM (30°-60°)	86	11.1
	BH (60°-80°)	3	0.4
	BVH (80°-90°)	0	0.0
	UP LIGHT	9	1.1
	UL (90°-100°)	0	0.0
	UH (100°-180°)	9	1.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
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 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
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	0.86	0.92	0.96	0.99	1.03	1.06	1.07	1.10	1.11	
	0.30		0.81	0.88	0.92	0.96	1.00	1.03	1.05	1.07	1.09	
	0.20		0.78	0.85	0.89	0.93	0.97	1.00	1.03	1.06	1.08	
0.50	0.50	0.20	0.85	0.90	0.94	0.97	1.00	1.02	1.04	1.06	1.07	
	0.30		0.81	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.05	
	0.20		0.78	0.84	0.88	0.91	0.95	0.98	1.00	1.03	1.04	
0.30	0.50	0.20	0.83	0.89	0.92	0.94	0.97	0.99	1.00	1.02	1.03	
	0.30		0.80	0.86	0.89	0.92	0.95	0.97	0.99	1.01	1.02	
	0.20		0.77	0.83	0.87	0.90	0.93	0.96	0.97	0.99	1.01	
0.00	0.00	0.00	0.76	0.81	0.85	0.87	0.90	0.92	0.93	0.95	0.96	
<p>Rating:10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75								
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	0.57	0.45	0.38	0.33	0.26	0.21	0.18	0.14	0.11
	0.30		0.47	0.39	0.33	0.29	0.23	0.19	0.17	0.13	0.11
	0.20		0.40	0.34	0.29	0.26	0.21	0.18	0.16	0.12	0.10
0.50	0.50	0.20	0.54	0.43	0.35	0.30	0.24	0.24	0.16	0.13	0.10
	0.30		0.45	0.37	0.31	0.27	0.22	0.18	0.15	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.14	0.11	0.09
0.30	0.50	0.20	0.51	0.40	0.33	0.28	0.22	0.18	0.15	0.11	0.09
	0.30		0.44	0.35	0.30	0.26	0.20	0.17	0.14	0.11	0.09
	0.20		0.38	0.31	0.27	0.23	0.19	0.16	0.13	0.10	0.09
0.00	0.00	0.00	0.24	0.19	0.15	0.13	0.10	0.08	0.07	0.05	0.04
<p>Rating:10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
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	0.14	0.15	0.17	0.18	0.19	0.20	0.20	0.21	0.22
	0.30		0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.13	0.14	0.15	0.16	0.18	0.18	0.19	0.20	0.20
	0.30		0.10	0.11	0.13	0.14	0.15	0.17	0.17	0.18	0.19
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.18
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<p>Rating:10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1441.9	1.4	1.4	0.18	0.18
1.0-2.0	1434.6	4.1	5.5	0.53	0.71
2.0-3.0	1420.8	6.8	12.3	0.88	1.59
3.0-4.0	1402.0	9.4	21.7	1.21	2.80
4.0-5.0	1377.3	11.8	33.5	1.53	4.32
5.0-6.0	1348.6	14.2	47.7	1.83	6.15
6.0-7.0	1315.9	16.3	64.0	2.11	8.26
7.0-8.0	1278.3	18.3	82.3	2.36	10.62
8.0-9.0	1236.7	20.0	102.4	2.58	13.20
9.0-10.0	1191.6	21.6	123.9	2.78	15.98
10.0-11.0	1143.8	22.9	146.8	2.95	18.93
11.0-12.0	1095.1	23.9	170.7	3.09	22.01
12.0-13.0	1044.7	24.8	195.5	3.20	25.21
13.0-14.0	992.7	25.4	221.0	3.28	28.49
14.0-15.0	941.4	25.8	246.8	3.33	31.82
15.0-16.0	890.0	26.1	272.9	3.36	35.18
16.0-17.0	839.6	26.1	299.0	3.37	38.55
17.0-18.0	790.2	26.1	325.1	3.36	41.91
18.0-19.0	740.8	25.8	350.9	3.32	45.24
19.0-20.0	693.3	25.4	376.3	3.27	48.51
20.0-21.0	647.7	24.9	401.1	3.21	51.71
21.0-22.0	604.1	24.3	425.4	3.13	54.84
22.0-23.0	562.6	23.6	449.0	3.04	57.89
23.0-24.0	522.7	22.9	471.9	2.95	60.83
24.0-25.0	484.9	22.0	493.9	2.84	63.68
25.0-26.0	449.0	21.2	515.1	2.73	66.41
26.0-27.0	414.9	20.3	535.4	2.62	69.03
27.0-28.0	382.4	19.4	554.8	2.50	71.52
28.0-29.0	351.0	18.4	573.1	2.37	73.89
29.0-30.0	321.0	17.3	590.5	2.23	76.13
30.0-31.0	292.5	16.3	606.8	2.10	78.23
31.0-32.0	265.6	15.2	622.0	1.96	80.19
32.0-33.0	239.9	14.1	636.1	1.82	82.01
33.0-34.0	215.4	13.0	649.1	1.68	83.69
34.0-35.0	193.0	12.0	661.1	1.55	85.24
35.0-36.0	172.4	11.0	672.1	1.42	86.65

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 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	153.0	10.0	682.1	1.29	87.94
37.0-38.0	135.1	9.0	691.1	1.16	89.10
38.0-39.0	118.8	8.1	699.2	1.05	90.15
39.0-40.0	104.2	7.3	706.5	0.94	91.08
40.0-41.0	90.9	6.5	713.0	0.83	91.92
41.0-42.0	78.9	5.7	718.7	0.74	92.66
42.0-43.0	68.5	5.1	723.8	0.65	93.31
43.0-44.0	59.7	4.5	728.3	0.58	93.89
44.0-45.0	52.1	4.0	732.3	0.52	94.41
45.0-46.0	45.5	3.6	735.9	0.46	94.87
46.0-47.0	40.1	3.2	739.0	0.41	95.28
47.0-48.0	35.9	2.9	741.9	0.37	95.65
48.0-49.0	32.4	2.7	744.6	0.34	96.00
49.0-50.0	29.3	2.4	747.1	0.32	96.31
50.0-51.0	26.5	2.2	749.3	0.29	96.60
51.0-52.0	23.7	2.0	751.3	0.26	96.86
52.0-53.0	20.9	1.8	753.1	0.23	97.10
53.0-54.0	18.1	1.6	754.7	0.21	97.30
54.0-55.0	15.7	1.4	756.1	0.18	97.48
55.0-56.0	13.7	1.2	757.4	0.16	97.64
56.0-57.0	12.3	1.1	758.5	0.14	97.79
57.0-58.0	11.1	1.0	759.5	0.13	97.92
58.0-59.0	10.2	1.0	760.5	0.12	98.04
59.0-60.0	9.3	0.9	761.4	0.11	98.16
60.0-61.0	8.6	0.8	762.2	0.11	98.26
61.0-62.0	7.8	0.8	762.9	0.10	98.36
62.0-63.0	7.0	0.7	763.6	0.09	98.45
63.0-64.0	6.1	0.6	764.2	0.08	98.53
64.0-65.0	5.2	0.5	764.7	0.07	98.59
65.0-66.0	4.3	0.4	765.2	0.05	98.65
66.0-67.0	3.4	0.3	765.5	0.04	98.69
67.0-68.0	2.7	0.3	765.8	0.04	98.73
68.0-69.0	2.2	0.2	766.0	0.03	98.76
69.0-70.0	1.8	0.2	766.2	0.02	98.78
70.0-71.0	1.6	0.2	766.4	0.02	98.80
71.0-72.0	1.4	0.1	766.5	0.02	98.82

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 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	1.2	0.1	766.6	0.02	98.84
73.0-74.0	0.9	0.1	766.7	0.01	98.85
74.0-75.0	0.6	0.1	766.8	0.01	98.86
75.0-76.0	0.5	0.0	766.8	0.01	98.86
76.0-77.0	0.2	0.0	766.9	0.00	98.87
77.0-78.0	0.1	0.0	766.9	0.00	98.87
78.0-79.0	0.0	0.0	766.9	0.00	98.87
79.0-80.0	0.0	0.0	766.9	0.00	98.87
80.0-81.0	0.0	0.0	766.9	0.00	98.87
81.0-82.0	0.0	0.0	766.9	0.00	98.87
82.0-83.0	0.0	0.0	766.9	0.00	98.87
83.0-84.0	0.0	0.0	766.9	0.00	98.87
84.0-85.0	0.0	0.0	766.9	0.00	98.87
85.0-86.0	0.0	0.0	766.9	0.00	98.87
86.0-87.0	0.0	0.0	766.9	0.00	98.87
87.0-88.0	0.0	0.0	766.9	0.00	98.87
88.0-89.0	0.0	0.0	766.9	0.00	98.87
89.0-90.0	0.0	0.0	766.9	0.00	98.87
90.0-91.0	0.0	0.0	766.9	0.00	98.87
91.0-92.0	0.0	0.0	766.9	0.00	98.87
92.0-93.0	0.0	0.0	766.9	0.00	98.87
93.0-94.0	0.0	0.0	766.9	0.00	98.87
94.0-95.0	0.0	0.0	766.9	0.00	98.87
95.0-96.0	0.0	0.0	766.9	0.00	98.87
96.0-97.0	0.0	0.0	766.9	0.00	98.87
97.0-98.0	0.0	0.0	766.9	0.00	98.87
98.0-99.0	0.0	0.0	766.9	0.00	98.87
99.0-100.0	0.0	0.0	766.9	0.00	98.87
100.0-101.0	0.0	0.0	766.9	0.00	98.87
101.0-102.0	0.0	0.0	766.9	0.00	98.87
102.0-103.0	0.0	0.0	766.9	0.00	98.87
103.0-104.0	0.0	0.0	766.9	0.00	98.87
104.0-105.0	0.0	0.0	766.9	0.00	98.87
105.0-106.0	0.0	0.0	766.9	0.00	98.87
106.0-107.0	0.0	0.0	766.9	0.00	98.87
107.0-108.0	0.0	0.0	766.9	0.00	98.87

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 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	0.0	0.0	766.9	0.00	98.87
109.0-110.0	0.0	0.0	766.9	0.00	98.87
110.0-111.0	0.0	0.0	766.9	0.00	98.87
111.0-112.0	0.0	0.0	766.9	0.00	98.87
112.0-113.0	0.0	0.0	766.9	0.00	98.87
113.0-114.0	0.0	0.0	766.9	0.00	98.87
114.0-115.0	0.0	0.0	766.9	0.00	98.87
115.0-116.0	0.0	0.0	766.9	0.00	98.87
116.0-117.0	0.0	0.0	766.9	0.00	98.87
117.0-118.0	0.0	0.0	766.9	0.00	98.87
118.0-119.0	0.1	0.0	766.9	0.00	98.87
119.0-120.0	0.2	0.0	766.9	0.00	98.87
120.0-121.0	0.1	0.0	766.9	0.00	98.87
121.0-122.0	0.1	0.0	766.9	0.00	98.87
122.0-123.0	0.2	0.0	766.9	0.00	98.88
123.0-124.0	0.4	0.0	767.0	0.00	98.88
124.0-125.0	0.5	0.0	767.0	0.01	98.89
125.0-126.0	0.6	0.1	767.1	0.01	98.89
126.0-127.0	0.6	0.1	767.1	0.01	98.90
127.0-128.0	0.7	0.1	767.2	0.01	98.91
128.0-129.0	1.0	0.1	767.3	0.01	98.92
129.0-130.0	1.1	0.1	767.4	0.01	98.93
130.0-131.0	1.2	0.1	767.5	0.01	98.95
131.0-132.0	1.4	0.1	767.6	0.01	98.96
132.0-133.0	1.5	0.1	767.7	0.02	98.98
133.0-134.0	1.6	0.1	767.8	0.02	98.99
134.0-135.0	1.7	0.1	768.0	0.02	99.01
135.0-136.0	1.9	0.1	768.1	0.02	99.03
136.0-137.0	2.0	0.1	768.3	0.02	99.05
137.0-138.0	2.1	0.2	768.4	0.02	99.07
138.0-139.0	2.3	0.2	768.6	0.02	99.09
139.0-140.0	2.4	0.2	768.8	0.02	99.11
140.0-141.0	2.6	0.2	768.9	0.02	99.14
141.0-142.0	2.8	0.2	769.1	0.02	99.16
142.0-143.0	2.9	0.2	769.3	0.03	99.18
143.0-144.0	3.1	0.2	769.5	0.03	99.21

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 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	3.2	0.2	769.7	0.03	99.24
145.0-146.0	3.4	0.2	770.0	0.03	99.26
146.0-147.0	3.6	0.2	770.2	0.03	99.29
147.0-148.0	3.8	0.2	770.4	0.03	99.32
148.0-149.0	3.9	0.2	770.6	0.03	99.35
149.0-150.0	4.1	0.2	770.8	0.03	99.38
150.0-151.0	4.3	0.2	771.1	0.03	99.41
151.0-152.0	4.5	0.2	771.3	0.03	99.44
152.0-153.0	4.7	0.2	771.6	0.03	99.47
153.0-154.0	4.8	0.2	771.8	0.03	99.50
154.0-155.0	5.0	0.2	772.0	0.03	99.53
155.0-156.0	5.2	0.2	772.3	0.03	99.56
156.0-157.0	5.4	0.2	772.5	0.03	99.59
157.0-158.0	5.5	0.2	772.7	0.03	99.62
158.0-159.0	5.6	0.2	773.0	0.03	99.65
159.0-160.0	5.8	0.2	773.2	0.03	99.68
160.0-161.0	6.0	0.2	773.4	0.03	99.71
161.0-162.0	6.1	0.2	773.6	0.03	99.74
162.0-163.0	6.2	0.2	773.8	0.03	99.76
163.0-164.0	6.3	0.2	774.0	0.03	99.79
164.0-165.0	6.4	0.2	774.2	0.02	99.81
165.0-166.0	6.5	0.2	774.4	0.02	99.83
166.0-167.0	6.6	0.2	774.5	0.02	99.86
167.0-168.0	6.7	0.2	774.7	0.02	99.88
168.0-169.0	6.7	0.1	774.8	0.02	99.90
169.0-170.0	6.8	0.1	775.0	0.02	99.91
170.0-171.0	6.9	0.1	775.1	0.02	99.93
171.0-172.0	7.0	0.1	775.2	0.01	99.94
172.0-173.0	7.0	0.1	775.3	0.01	99.96
173.0-174.0	7.1	0.1	775.4	0.01	99.97
174.0-175.0	7.1	0.1	775.5	0.01	99.98
175.0-176.0	7.2	0.1	775.5	0.01	99.99
176.0-177.0	7.2	0.0	775.6	0.01	99.99
177.0-178.0	7.2	0.0	775.6	0.00	100.00
178.0-179.0	7.2	0.0	775.6	0.00	100.00
179.0-180.0	7.3	0.0	775.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 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	1445.3	1446.3	1441.6	1444.3	1440.5	1443.1	1445.3	1446.3	1441.6	1444.3
G1.0	1439.0	1436.9	1433.9	1432.7	1432.7	1430.8	1448.0	1445.2	1450.6	1446.7
G2.0	1421.0	1413.9	1414.8	1409.7	1414.6	1417.2	1446.5	1450.1	1446.9	1446.0
G3.0	1396.4	1387.3	1392.2	1394.6	1393.3	1401.0	1433.5	1435.0	1441.1	1433.9
G4.0	1367.4	1364.8	1365.9	1367.5	1370.2	1370.3	1421.0	1422.3	1421.8	1416.9
G5.0	1333.9	1332.2	1334.6	1337.5	1338.2	1335.1	1393.7	1402.7	1398.7	1397.4
G6.0	1300.4	1304.2	1305.7	1305.4	1302.0	1300.9	1369.3	1376.1	1371.7	1363.3
G7.0	1261.0	1258.8	1269.3	1274.3	1265.7	1262.3	1334.6	1336.7	1337.7	1335.0
G8.0	1220.1	1216.4	1226.7	1229.5	1223.3	1222.3	1299.4	1301.2	1298.1	1297.0
G9.0	1169.7	1173.9	1180.8	1186.7	1177.0	1173.0	1255.7	1261.5	1256.9	1253.8
G10.0	1121.1	1129.2	1134.0	1139.6	1124.2	1121.8	1211.5	1211.6	1210.0	1210.8
G11.0	1072.6	1080.8	1088.7	1090.5	1074.2	1075.5	1163.3	1160.2	1161.7	1157.3
G12.0	1022.5	1026.2	1037.9	1043.5	1027.6	1028.2	1115.3	1112.6	1114.6	1108.0
G13.0	968.4	973.9	979.8	991.6	970.5	968.9	1068.0	1060.0	1066.3	1058.5
G14.0	912.5	925.9	933.0	940.7	922.4	920.4	1009.1	1010.9	1012.5	1007.1
G15.0	860.5	874.3	885.5	893.6	870.8	869.8	962.7	956.4	953.1	957.2
G16.0	811.2	819.4	834.5	844.0	817.5	819.2	908.7	900.3	902.1	902.5
G17.0	763.2	768.9	786.6	793.8	769.6	771.7	859.0	852.5	853.4	852.8
G18.0	707.8	720.4	736.7	745.2	719.0	720.1	811.0	803.3	803.8	803.8
G19.0	660.3	675.7	689.5	699.6	667.8	671.5	758.2	754.0	748.5	756.5
G20.0	615.5	624.1	647.2	657.3	621.9	629.0	713.0	704.2	702.0	705.9
G21.0	569.1	580.0	603.8	612.4	577.4	584.5	667.6	658.0	658.2	658.9
G22.0	524.3	541.1	560.8	574.0	533.3	539.4	625.7	616.0	616.5	614.6
G23.0	486.3	502.0	523.9	533.8	494.9	499.6	580.4	573.1	574.6	571.8
G24.0	447.5	461.5	485.8	497.0	457.5	462.1	541.3	536.3	531.7	528.8
G25.0	411.8	427.7	448.1	460.8	423.4	422.9	504.8	499.3	495.6	489.7
G26.0	374.8	392.7	415.1	428.5	385.7	389.4	470.3	460.8	458.0	453.6
G27.0	343.6	361.1	383.3	396.3	353.9	358.8	436.9	427.6	424.1	420.4
G28.0	312.9	330.3	353.4	365.1	324.7	325.9	401.3	395.3	389.3	387.4
G29.0	283.9	298.2	323.4	335.5	295.6	297.7	369.1	363.0	358.6	354.5
G30.0	254.8	272.0	292.4	305.5	264.8	266.4	339.1	335.1	329.3	324.0
G31.0	229.0	245.2	265.8	280.3	239.9	241.2	311.2	306.1	300.2	294.9
G32.0	206.4	220.5	241.4	255.3	215.1	217.1	280.4	278.4	271.7	268.3
G33.0	183.5	196.1	216.6	228.9	193.5	192.7	254.2	253.7	243.9	238.3
G34.0	161.7	174.5	191.7	205.6	172.4	171.9	230.5	226.3	219.0	213.7
G35.0	143.2	155.1	170.6	185.6	151.5	153.9	208.3	203.8	195.9	190.1
G36.0	126.4	135.4	151.2	165.3	134.7	136.5	187.1	183.0	174.6	169.0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	111.0	118.9	133.9	147.1	119.0	120.4	165.2	163.5	152.8	149.0
G38.0	96.4	104.4	116.0	128.0	105.5	105.6	147.5	145.0	134.8	128.8
G39.0	83.9	91.1	101.3	112.7	92.1	92.6	130.7	126.2	118.1	113.2
G40.0	73.1	78.8	87.8	99.0	80.7	80.9	114.8	110.8	103.2	98.6
G41.0	63.8	67.4	76.0	85.9	71.6	71.3	99.0	96.3	88.4	86.0
G42.0	55.4	58.8	64.7	73.7	63.6	62.0	86.3	82.3	76.9	73.8
G43.0	48.7	51.1	56.1	63.2	56.0	54.6	75.1	71.5	66.7	64.5
G44.0	43.6	44.9	48.5	54.6	50.7	48.7	64.8	61.3	57.9	56.4
G45.0	39.4	39.4	42.5	47.0	45.7	43.6	54.8	53.0	50.7	49.8
G46.0	35.6	35.6	37.0	40.3	41.3	39.3	47.3	45.2	44.0	43.7
G47.0	32.5	32.2	32.9	35.5	37.9	35.6	40.9	39.6	39.1	39.4
G48.0	29.9	29.5	29.6	31.8	34.9	32.8	35.7	35.2	35.5	35.8
G49.0	27.4	27.2	27.3	28.5	32.1	29.7	31.3	31.8	31.9	32.7
G50.0	25.2	24.9	24.6	25.6	29.0	27.1	28.3	28.8	29.3	29.8
G51.0	22.7	22.1	21.8	22.9	25.6	24.0	25.6	25.7	26.8	27.6
G52.0	19.3	19.3	19.0	19.9	21.9	20.6	23.0	22.8	24.1	25.3
G53.0	15.9	16.6	16.7	17.5	17.6	16.9	20.3	20.1	20.9	22.8
G54.0	13.1	14.1	14.9	16.0	14.6	13.7	17.8	17.7	18.2	19.2
G55.0	11.4	12.1	12.8	14.5	12.2	11.9	16.0	15.3	15.5	15.4
G56.0	10.2	10.7	11.5	13.2	10.4	10.8	14.7	12.9	13.1	13.3
G57.0	9.4	9.8	10.5	12.1	9.4	10.1	13.5	11.4	11.3	12.0
G58.0	8.9	9.0	9.8	11.1	8.5	9.3	12.3	10.3	10.1	10.8
G59.0	8.2	8.4	8.9	10.0	7.7	8.4	11.3	9.2	9.5	9.9
G60.0	7.5	7.8	8.4	9.2	7.2	7.7	10.5	8.6	8.9	9.4
G61.0	7.0	7.3	7.8	7.9	6.8	7.0	9.6	8.2	8.4	8.9
G62.0	6.0	6.6	6.9	6.7	6.0	6.3	8.7	7.6	7.6	8.1
G63.0	5.1	5.8	5.9	5.7	5.4	5.4	7.8	6.8	7.1	7.3
G64.0	4.3	5.0	4.9	4.7	4.3	4.7	6.6	6.2	6.5	6.4
G65.0	3.5	4.1	4.1	3.7	3.6	3.8	5.7	5.5	5.7	5.6
G66.0	2.8	3.3	3.2	2.8	3.0	3.1	4.5	4.4	4.6	4.6
G67.0	2.2	2.6	2.4	2.3	2.2	2.3	3.9	3.6	4.0	3.8
G68.0	1.5	2.0	1.9	2.0	1.6	1.9	2.9	2.7	3.0	3.0
G69.0	1.4	1.8	1.8	1.7	1.5	1.6	2.4	2.0	2.4	2.4
G70.0	1.2	1.5	1.5	1.5	1.2	1.5	2.3	1.8	2.0	1.8
G71.0	0.0	1.4	1.4	1.4	1.1	1.5	1.7	1.6	1.9	1.5
G72.0	0.0	1.2	1.2	1.3	1.0	1.2	1.5	1.5	1.6	1.5
G73.0	0.0	1.1	1.2	1.2	0.0	1.3	1.3	1.3	1.5	1.4

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	0.0	0.0	0.0	0.0	1.0	0.0	1.2	1.2	1.3	1.3
G75.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.2	1.0
G76.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.2	1.0
G77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
G78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
G79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G82.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G83.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G84.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G87.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G89.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	1.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	1.1	1.0	1.1	1.1	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	1.2	1.1	1.2	1.2	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	1.3	1.1	1.2	1.2	0.0	0.0	0.0	0.0
G127.0	0.0	1.0	1.3	0.0	1.4	1.4	0.0	0.0	0.0	0.0
G128.0	0.0	1.0	1.4	1.2	1.6	1.4	0.0	0.0	1.0	0.0
G129.0	0.0	1.2	1.3	1.5	1.6	1.5	1.0	1.0	1.0	1.1
G130.0	1.0	1.1	1.5	1.3	1.5	1.5	1.1	0.0	1.0	1.1
G131.0	1.2	1.2	1.7	1.3	1.7	1.6	1.0	1.3	1.2	1.2
G132.0	1.4	1.2	1.7	1.4	1.8	1.9	1.2	1.3	1.2	1.5
G133.0	1.5	1.4	1.8	1.6	1.9	1.9	1.4	1.4	1.5	1.5
G134.0	1.5	1.4	1.9	1.7	1.9	1.9	1.5	1.4	1.3	1.6
G135.0	1.8	1.6	2.1	2.0	2.1	2.0	1.5	1.5	1.6	1.9
G136.0	1.8	1.9	2.1	2.0	2.4	2.0	1.5	1.6	1.8	1.9
G137.0	2.1	2.0	2.4	2.2	2.4	2.1	1.7	1.8	1.7	1.8
G138.0	2.3	2.3	2.5	2.3	2.8	2.2	1.8	1.8	1.9	2.1
G139.0	2.4	2.4	2.7	2.5	2.8	2.6	1.9	1.9	1.9	2.2
G140.0	2.6	2.5	2.8	2.6	3.0	2.6	2.2	2.2	2.2	2.4
G141.0	2.8	2.7	2.8	2.8	3.1	2.8	2.5	2.4	2.4	2.5
G142.0	3.0	2.8	3.0	3.0	3.5	3.0	2.5	2.5	2.6	2.7
G143.0	3.0	3.1	3.2	3.1	3.4	3.2	2.6	2.7	2.6	2.7
G144.0	3.4	3.1	3.5	3.4	3.6	3.5	2.8	2.7	2.8	2.8
G145.0	3.3	3.3	3.7	3.7	3.8	3.8	3.0	2.8	3.0	3.1
G146.0	3.5	3.4	3.9	3.9	4.0	3.9	3.1	3.0	3.2	3.2
G147.0	3.8	3.8	4.0	4.1	4.2	4.0	3.3	3.2	3.5	3.4

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

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	4.0	3.9	4.1	4.1	4.3	4.3	3.5	3.3	3.6	3.7
G149.0	3.9	4.1	4.4	4.3	4.4	4.2	3.6	3.5	3.9	3.8
G150.0	4.3	4.3	4.7	4.5	4.7	4.4	3.8	3.8	4.0	4.0
G151.0	4.6	4.6	4.7	4.7	5.0	4.7	3.9	4.0	4.2	4.3
G152.0	4.7	4.7	5.0	4.9	5.1	4.8	4.3	4.3	4.2	4.4
G153.0	4.8	4.7	5.2	5.0	5.2	5.0	4.6	4.5	4.3	4.5
G154.0	5.0	5.0	5.2	5.2	5.2	5.2	4.8	4.7	4.6	4.7
G155.0	5.2	5.1	5.5	5.3	5.7	5.5	4.8	4.7	4.9	4.9
G156.0	5.2	5.1	5.5	5.5	5.7	5.6	4.9	5.0	5.0	5.1
G157.0	5.4	5.4	5.8	5.7	5.8	5.8	5.2	5.3	5.1	5.3
G158.0	5.6	5.6	5.8	5.8	6.0	5.8	5.2	5.4	5.2	5.4
G159.0	5.7	5.7	5.9	5.9	6.1	6.0	5.2	5.6	5.5	5.6
G160.0	5.8	5.8	6.0	6.2	6.3	6.0	5.7	5.7	5.7	5.9
G161.0	5.8	6.0	6.3	6.3	6.5	6.2	5.6	5.7	5.8	5.9
G162.0	6.1	6.2	6.3	6.3	6.7	6.4	5.7	5.8	5.8	6.1
G163.0	6.2	6.4	6.4	6.4	6.7	6.4	5.7	5.9	6.0	6.1
G164.0	6.3	6.3	6.5	6.4	6.7	6.7	6.0	6.0	6.3	6.2
G165.0	6.2	6.2	6.7	6.6	6.9	6.6	6.2	6.0	6.3	6.4
G166.0	6.4	6.3	6.6	6.6	7.0	6.6	6.3	6.2	6.3	6.6
G167.0	6.5	6.5	7.0	6.8	7.0	6.9	6.6	6.4	6.4	6.7
G168.0	6.4	6.6	6.8	6.8	6.9	6.9	6.7	6.5	6.5	6.7
G169.0	6.8	6.7	6.9	6.8	7.0	7.0	6.5	6.8	6.4	6.8
G170.0	6.7	6.8	7.1	6.9	7.2	7.0	6.6	6.7	6.5	7.0
G171.0	6.9	6.8	6.9	6.9	7.0	7.1	6.6	6.9	6.7	7.2
G172.0	7.0	6.9	7.2	7.0	7.2	7.3	6.7	6.9	6.9	7.0
G173.0	7.0	7.0	7.1	7.2	7.3	7.3	6.9	6.8	7.0	7.1
G174.0	7.0	6.9	7.2	7.3	7.0	7.3	6.9	7.2	6.9	7.0
G175.0	7.2	7.0	7.3	7.3	7.1	7.4	6.9	7.1	6.9	7.0
G176.0	7.1	7.1	7.2	7.3	7.1	7.5	7.2	7.1	7.2	7.2
G177.0	7.1	7.0	7.4	7.4	7.1	7.4	7.3	7.3	7.3	7.1
G178.0	7.1	7.0	7.3	7.3	7.2	7.4	7.2	7.3	7.2	7.1
G179.0	7.0	7.0	7.2	7.4	7.1	7.4	7.3	7.3	7.4	7.4
G180.0	7.3	7.0	7.3	7.4	7.2	7.5	7.1	7.3	7.3	7.3

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1440.5	1443.1	1445.3							
G1.0	1443.2	1444.2	1439.0							
G2.0	1433.0	1432.0	1421.0							
G3.0	1426.5	1419.3	1396.4							
G4.0	1401.5	1403.7	1367.4							
G5.0	1383.7	1373.8	1333.9							
G6.0	1355.8	1350.0	1300.4							
G7.0	1325.6	1316.2	1261.0							
G8.0	1285.2	1282.4	1220.1							
G9.0	1248.0	1242.7	1169.7							
G10.0	1205.7	1199.0	1121.1							
G11.0	1155.6	1152.1	1072.6							
G12.0	1110.5	1102.9	1022.5							
G13.0	1061.6	1055.4	968.4							
G14.0	1008.0	1000.3	912.5							
G15.0	955.8	951.8	860.5							
G16.0	909.4	900.1	811.2							
G17.0	859.8	849.1	763.2							
G18.0	811.8	800.8	707.8							
G19.0	765.5	749.7	660.3							
G20.0	719.4	703.4	615.5							
G21.0	675.1	657.5	569.1							
G22.0	634.8	615.0	524.3							
G23.0	590.6	575.0	486.3							
G24.0	555.4	533.3	447.5							
G25.0	517.7	496.9	411.8							
G26.0	484.8	463.1	374.8							
G27.0	447.9	427.3	343.6							
G28.0	416.8	393.1	312.9							
G29.0	388.3	361.2	283.9							
G30.0	359.4	331.9	254.8							
G31.0	328.5	302.3	229.0							
G32.0	301.8	274.2	206.4							
G33.0	277.7	247.1	183.5							
G34.0	252.9	222.5	161.7							
G35.0	230.2	200.9	143.2							
G36.0	206.1	179.5	126.4							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	184.7	158.9	111.0							
G38.0	165.6	141.3	96.4							
G39.0	146.9	124.9	83.9							
G40.0	129.2	110.1	73.1							
G41.0	113.2	94.7	63.8							
G42.0	99.2	82.6	55.4							
G43.0	86.6	71.3	48.7							
G44.0	75.5	61.2	43.6							
G45.0	64.2	53.0	39.4							
G46.0	55.5	45.2	35.6							
G47.0	48.4	39.5	32.5							
G48.0	42.4	35.1	29.9							
G49.0	37.2	31.6	27.4							
G50.0	33.5	28.9	25.2							
G51.0	30.5	26.6	22.7							
G52.0	27.9	24.6	19.3							
G53.0	25.2	22.2	15.9							
G54.0	22.6	19.5	13.1							
G55.0	20.5	17.5	11.4							
G56.0	18.5	15.5	10.2							
G57.0	16.0	14.1	9.4							
G58.0	14.6	13.1	8.9							
G59.0	12.9	12.0	8.2							
G60.0	11.8	10.6	7.5							
G61.0	10.6	9.8	7.0							
G62.0	9.6	8.8	6.0							
G63.0	8.5	7.7	5.1							
G64.0	7.2	6.7	4.3							
G65.0	5.9	5.4	3.5							
G66.0	4.9	4.5	2.8							
G67.0	4.0	3.5	2.2							
G68.0	3.0	2.8	1.5							
G69.0	2.4	2.2	1.4							
G70.0	2.1	2.1	1.2							
G71.0	2.0	1.8	0.0							
G72.0	1.6	1.8	0.0							
G73.0	1.6	1.4	0.0							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	1.5	1.4	0.0							
G75.0	1.4	1.1	0.0							
G76.0	1.2	0.0	0.0							
G77.0	0.0	0.0	0.0							
G78.0	0.0	0.0	0.0							
G79.0	0.0	0.0	0.0							
G80.0	0.0	0.0	0.0							
G81.0	0.0	0.0	0.0							
G82.0	0.0	0.0	0.0							
G83.0	0.0	0.0	0.0							
G84.0	0.0	0.0	0.0							
G85.0	0.0	0.0	0.0							
G86.0	0.0	0.0	0.0							
G87.0	0.0	0.0	0.0							
G88.0	0.0	0.0	0.0							
G89.0	0.0	0.0	0.0							
G90.0	0.0	0.0	0.0							
G91.0	0.0	0.0	0.0							
G92.0	0.0	0.0	0.0							
G93.0	0.0	0.0	0.0							
G94.0	0.0	0.0	0.0							
G95.0	0.0	0.0	0.0							
G96.0	0.0	0.0	0.0							
G97.0	0.0	0.0	0.0							
G98.0	0.0	0.0	0.0							
G99.0	0.0	0.0	0.0							
G100.0	0.0	0.0	0.0							
G101.0	0.0	0.0	0.0							
G102.0	0.0	0.0	0.0							
G103.0	0.0	0.0	0.0							
G104.0	0.0	0.0	0.0							
G105.0	0.0	0.0	0.0							
G106.0	0.0	0.0	0.0							
G107.0	0.0	0.0	0.0							
G108.0	0.0	0.0	0.0							
G109.0	0.0	0.0	0.0							
G110.0	0.0	0.0	0.0							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G111.0	0.0	0.0	0.0						
G112.0	0.0	0.0	0.0						
G113.0	0.0	0.0	0.0						
G114.0	0.0	0.0	0.0						
G115.0	0.0	0.0	0.0						
G116.0	0.0	0.0	0.0						
G117.0	0.0	0.0	0.0						
G118.0	0.0	0.0	0.0						
G119.0	1.0	0.0	0.0						
G120.0	1.1	0.0	0.0						
G121.0	0.0	0.0	0.0						
G122.0	0.0	0.0	0.0						
G123.0	1.0	0.0	0.0						
G124.0	1.1	1.0	0.0						
G125.0	1.0	1.2	0.0						
G126.0	1.0	1.2	0.0						
G127.0	1.1	1.1	0.0						
G128.0	1.0	1.3	0.0						
G129.0	1.2	1.3	0.0						
G130.0	1.2	1.5	1.0						
G131.0	1.3	1.5	1.2						
G132.0	1.3	1.7	1.4						
G133.0	1.5	1.7	1.5						
G134.0	1.6	1.9	1.5						
G135.0	1.8	2.0	1.8						
G136.0	1.8	1.9	1.8						
G137.0	2.1	2.1	2.1						
G138.0	2.2	2.3	2.3						
G139.0	2.3	2.3	2.4						
G140.0	2.4	2.6	2.6						
G141.0	2.5	2.6	2.8						
G142.0	2.7	2.8	3.0						
G143.0	2.9	3.0	3.0						
G144.0	2.9	3.1	3.4						
G145.0	3.2	3.5	3.3						
G146.0	3.2	3.4	3.5						
G147.0	3.4	3.7	3.8						

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	3.6	3.9	4.0							
G149.0	3.8	3.9	3.9							
G150.0	4.2	4.2	4.3							
G151.0	4.3	4.4	4.6							
G152.0	4.6	4.6	4.7							
G153.0	4.7	4.6	4.8							
G154.0	4.8	4.7	5.0							
G155.0	5.1	4.8	5.2							
G156.0	5.2	5.3	5.2							
G157.0	5.4	5.3	5.4							
G158.0	5.5	5.5	5.6							
G159.0	5.7	5.7	5.7							
G160.0	5.9	5.8	5.8							
G161.0	6.0	6.0	5.8							
G162.0	5.9	6.1	6.1							
G163.0	6.1	6.0	6.2							
G164.0	6.3	6.2	6.3							
G165.0	6.3	6.4	6.2							
G166.0	6.6	6.7	6.4							
G167.0	6.7	6.6	6.5							
G168.0	6.7	6.7	6.4							
G169.0	6.8	6.8	6.8							
G170.0	6.8	7.0	6.7							
G171.0	7.0	7.0	6.9							
G172.0	7.2	7.2	7.0							
G173.0	7.2	7.1	7.0							
G174.0	7.1	7.2	7.0							
G175.0	7.2	7.3	7.2							
G176.0	7.3	7.5	7.1							
G177.0	7.2	7.4	7.1							
G178.0	7.3	7.4	7.1							
G179.0	7.4	7.4	7.0							
G180.0	7.3	7.3	7.3							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.573 m [K=1.0000]
 Humidity:
 Inspector: