

Report No.:

Test Time: 2020-11-13 14:12

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS0210W12V27KD(40 度)

Lamp Catalog: CXM-9-27-80-36

Lamp Description: DDC10WB12S-230(9.77W)

Voltage: 12.9 V

Current: 0.821 A

Power: 9.67 W

Power Factor: 0.914

Volt Amps: 11.70 VA

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 738.9 lm

Measurement Flux: 738.9 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H73.4,H37.1,H23,H0

Vertical Diffuse Angle(10%,50%,75%,100%): V75.1,V37.7,V23.1,V2

Luminaire Efficacy Rating (LER): 76.46

Central Intensity: 1364.34 cd

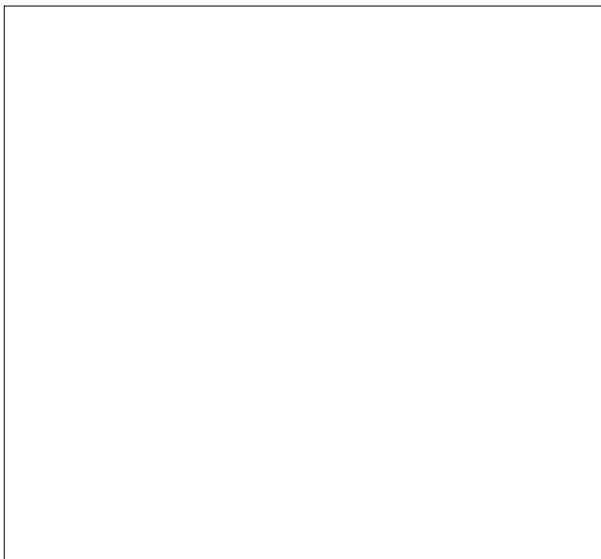
Max. Intensity: 1367.11 cd

Pos of Max. Intensity: H210 V2

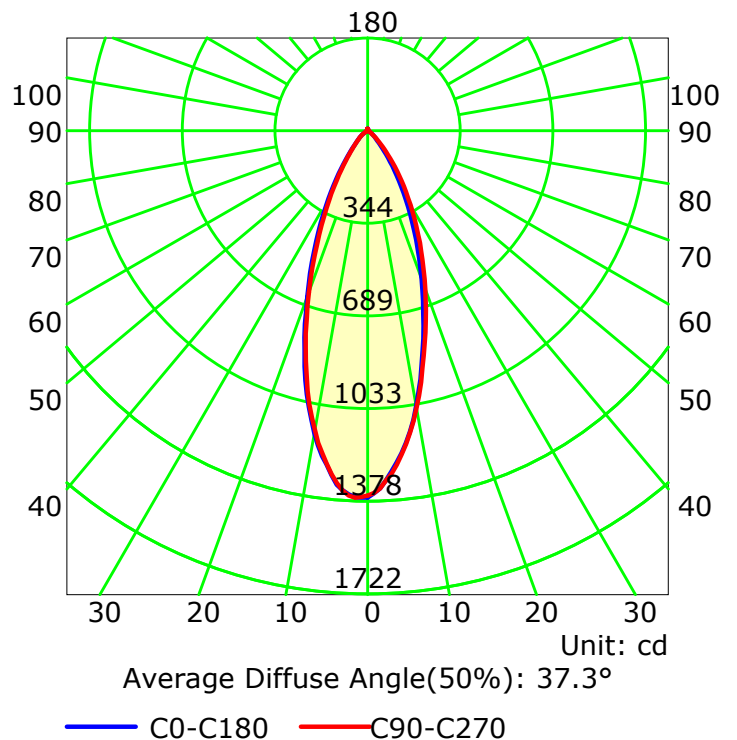
S/MH(C0/C180): 0.60

S/MH(C90/C270): 0.60

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

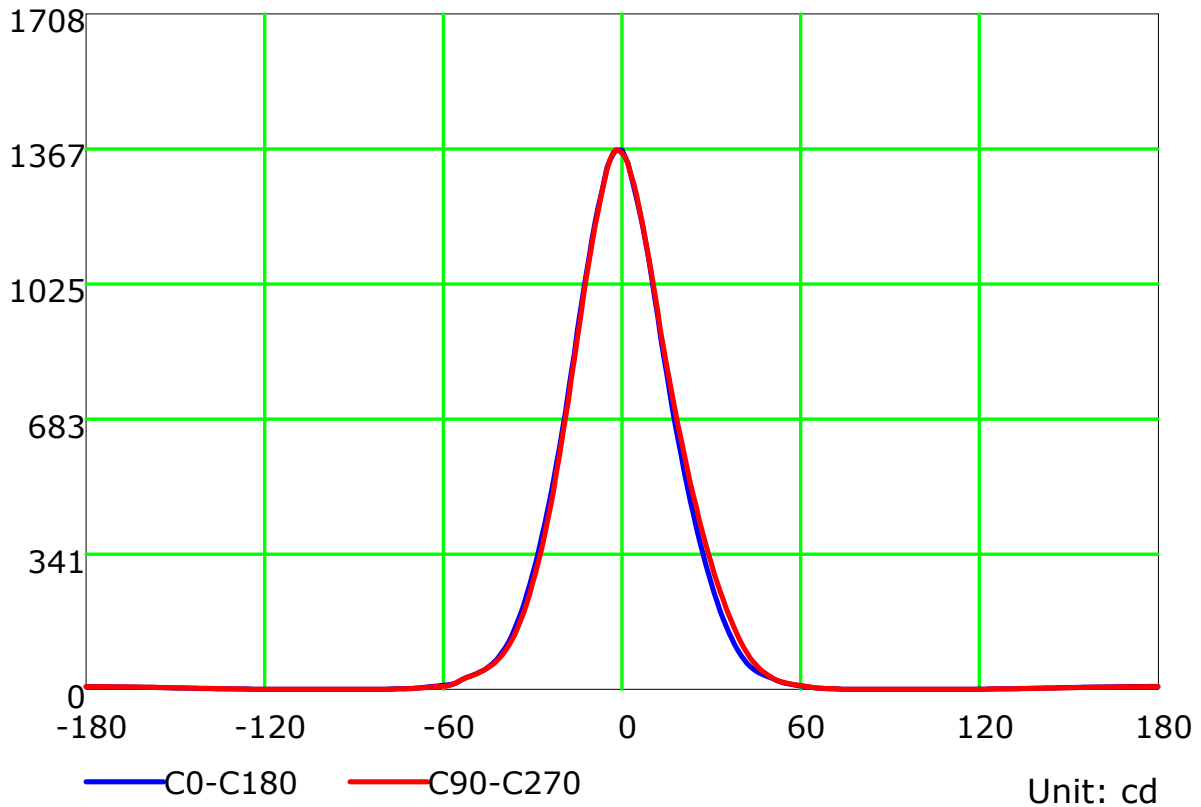
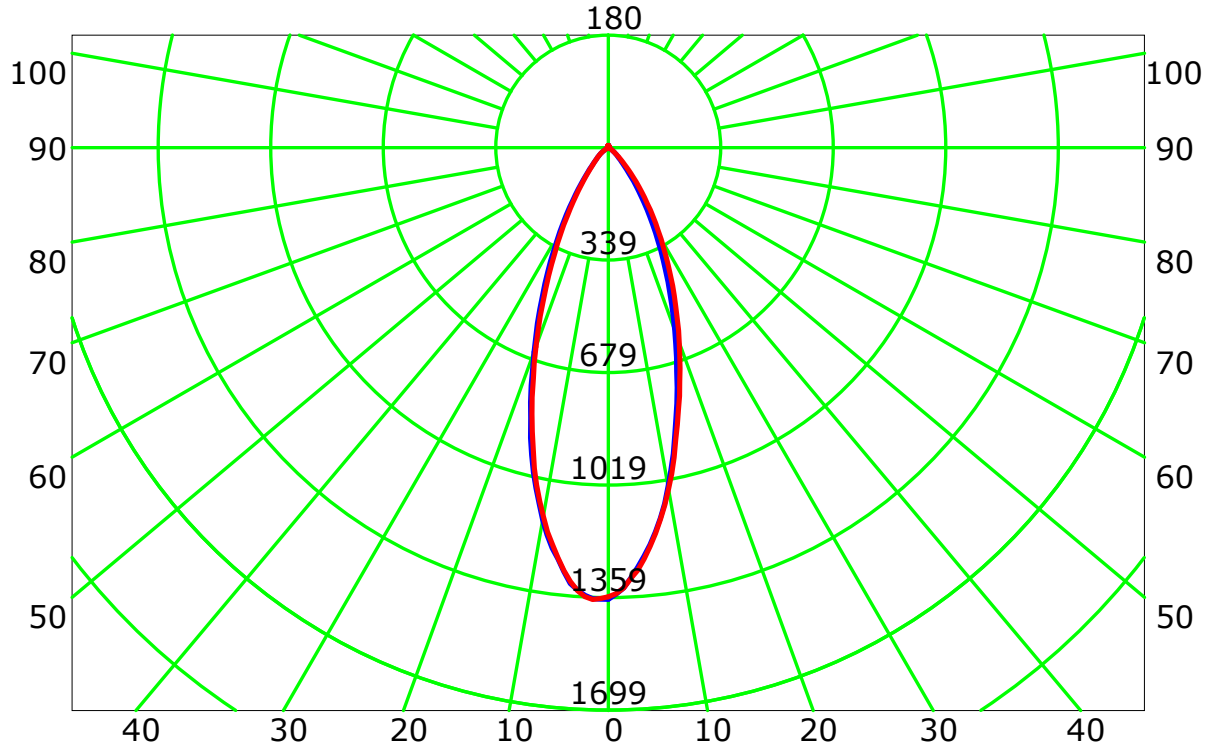
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

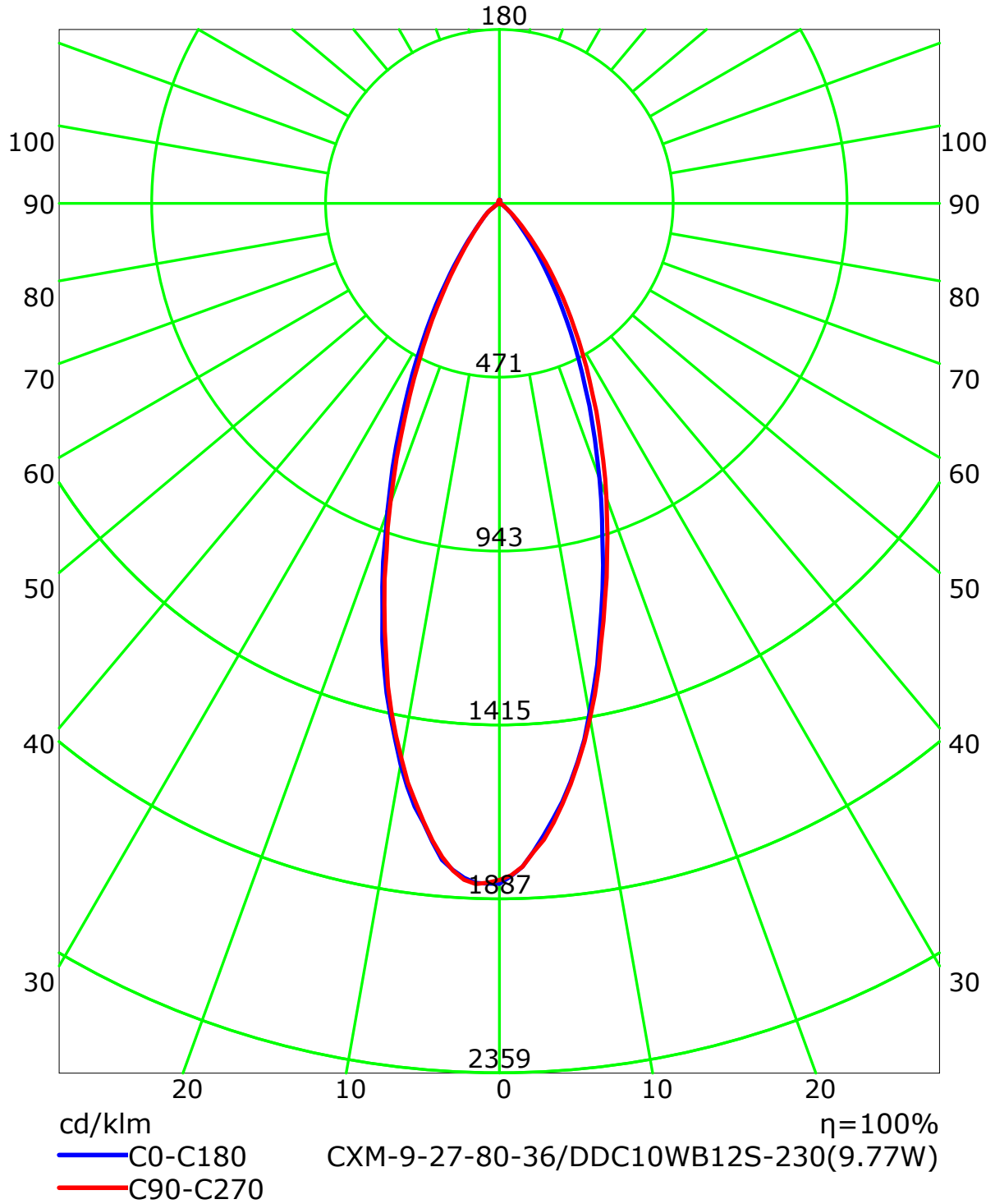
Luminous Intensity Distribution Curve



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)



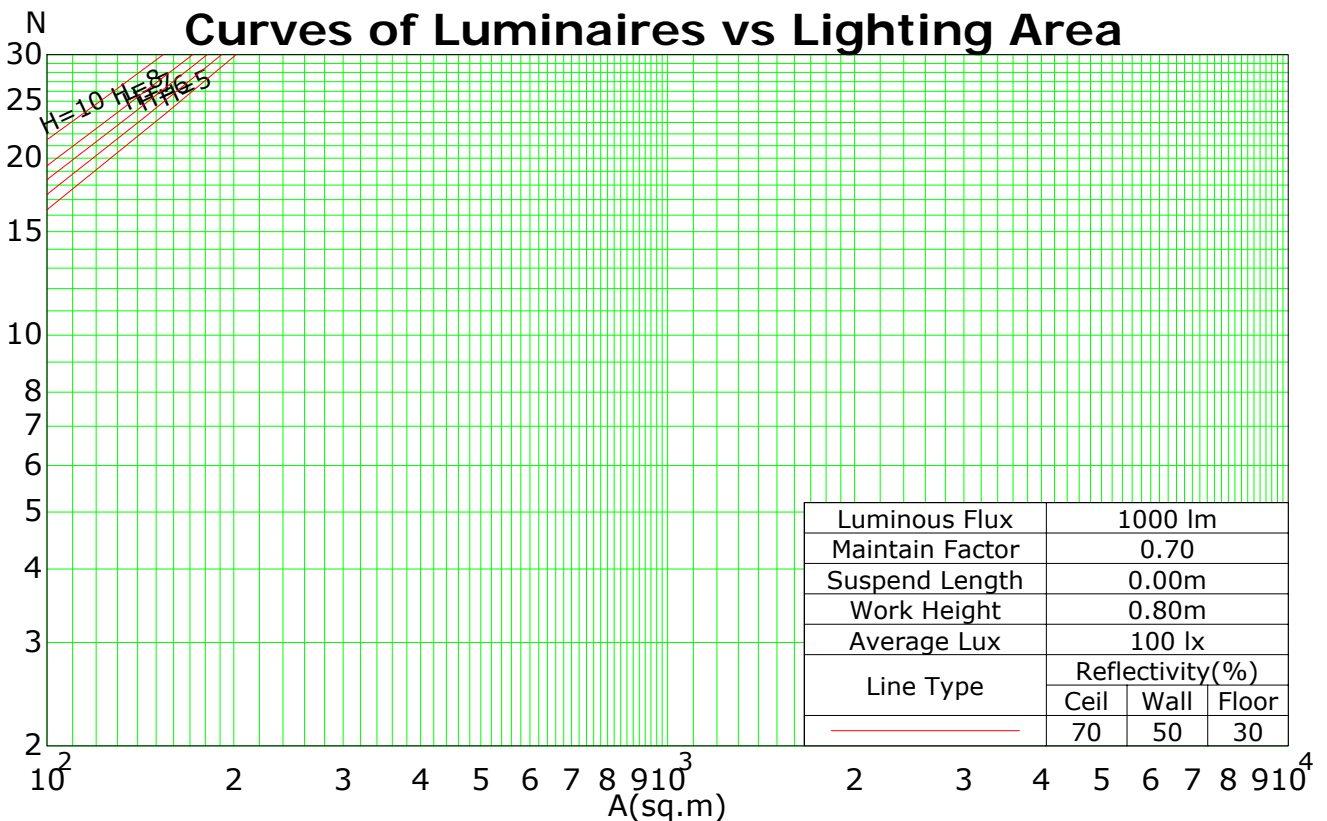
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	113	111	108	106	111	108	106	104	104	103	101	100	99	98	97	96	95	93
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	92	90	89	87
3	103	97	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	91	86	81	96	90	85	81	87	83	80	85	82	79	83	80	78	76
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	75	72	69	68
7	85	76	71	67	84	76	70	66	74	69	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	60
9	78	69	63	60	77	68	63	59	67	63	59	66	62	59	66	62	59	57
10	75	66	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	55

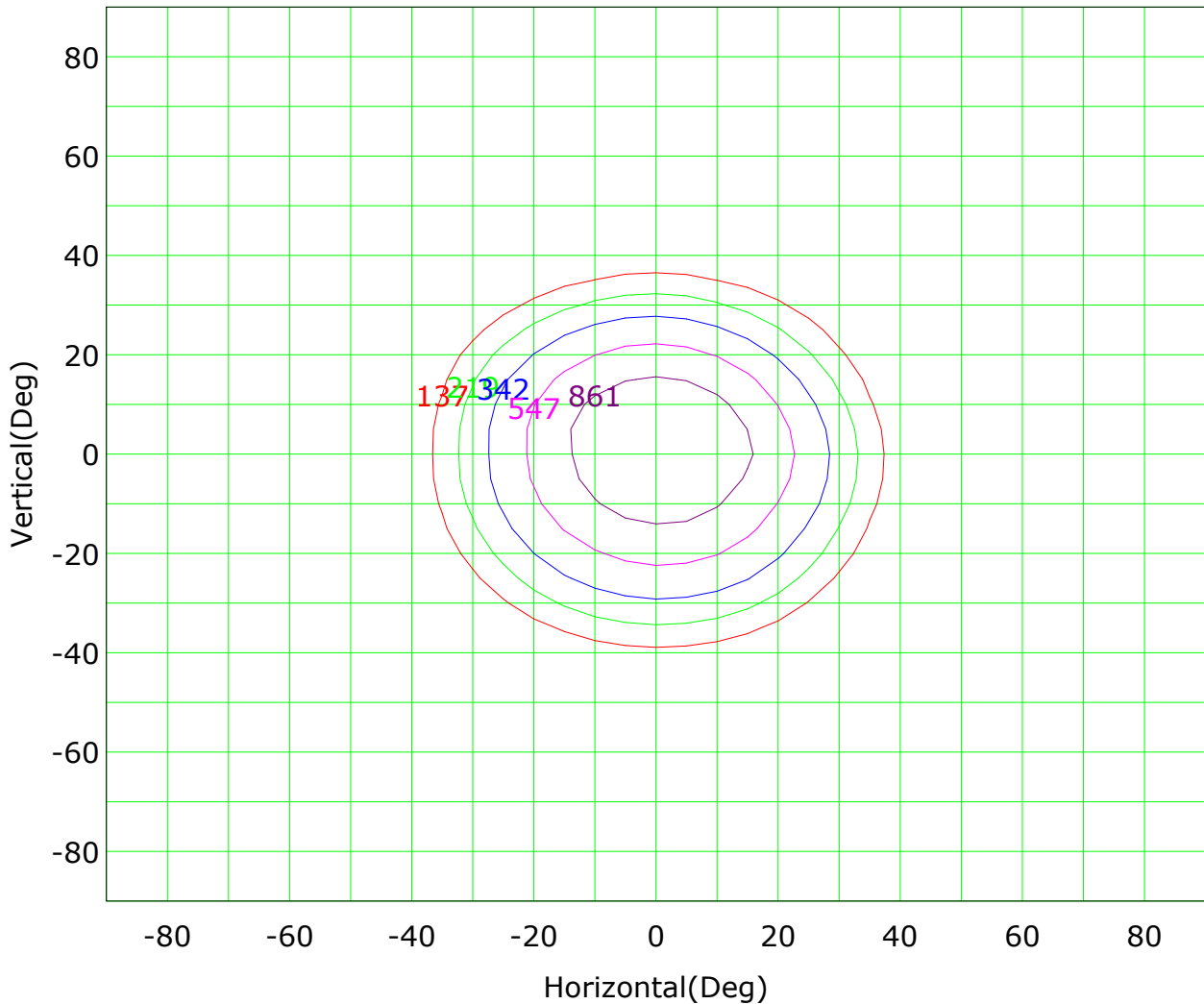
Spacing Criteria (0-180): 0.60
 Spacing Criteria (90-270): 0.60
 Spacing Criteria (Diagonal): 0.65



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)



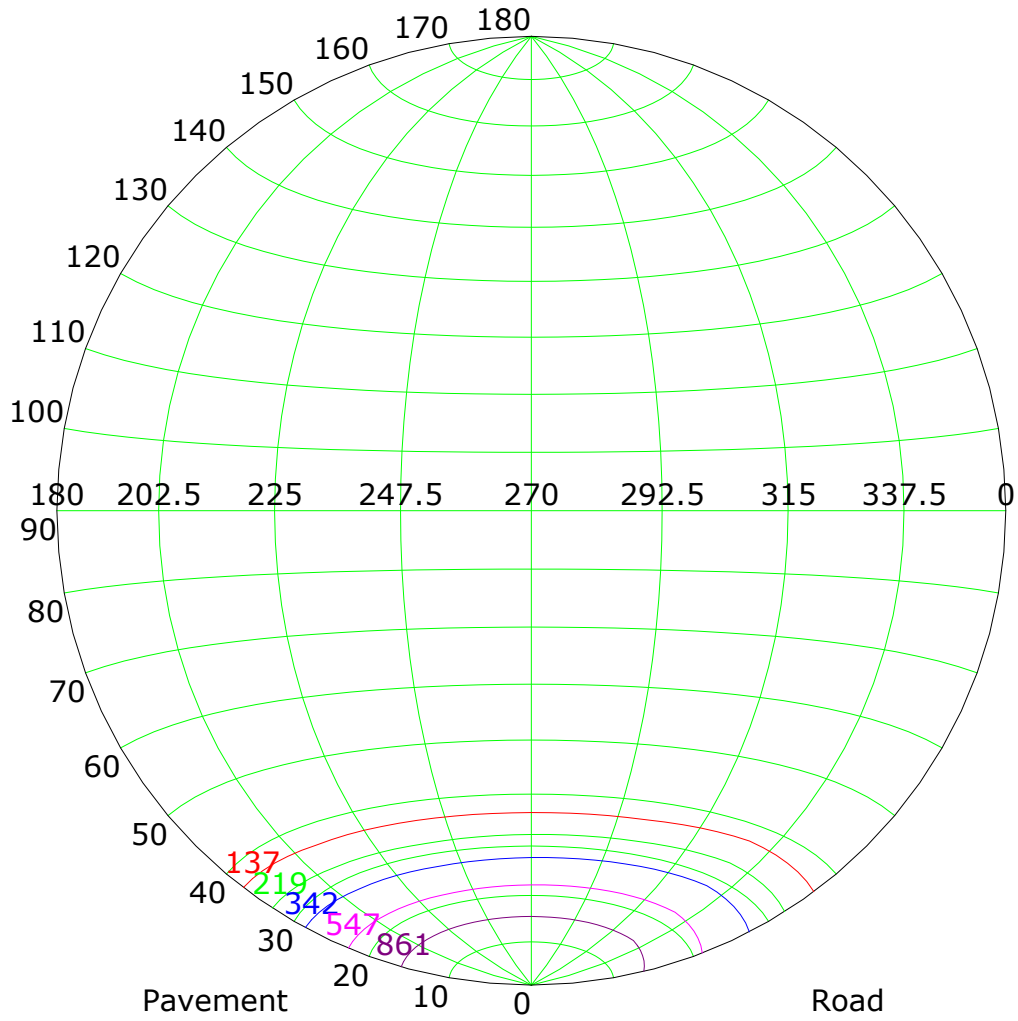
Imax (100%): 1367 cd

- | | |
|------------------|-------------------|
| — (10%): 137 cd | — (16%): 219 cd |
| — (25%): 342 cd | — (40%): 547 cd |
| — (63%): 861 cd | — (100%): 1367 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)



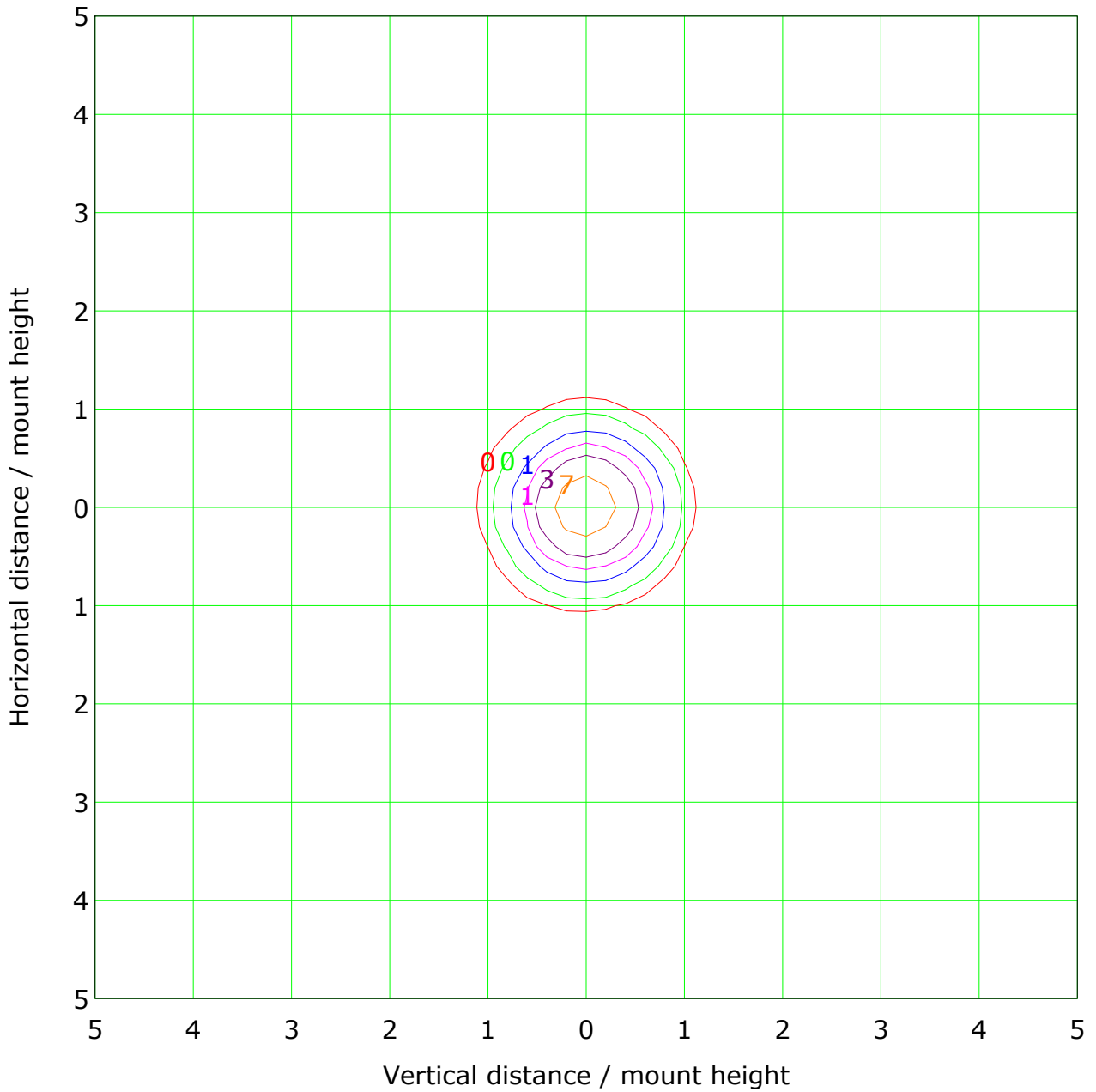
Imax (100%): 1367 cd

- | | |
|------------------|-------------------|
| — (10%): 137 cd | — (16%): 219 cd |
| — (25%): 342 cd | — (40%): 547 cd |
| — (63%): 861 cd | — (100%): 1367 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



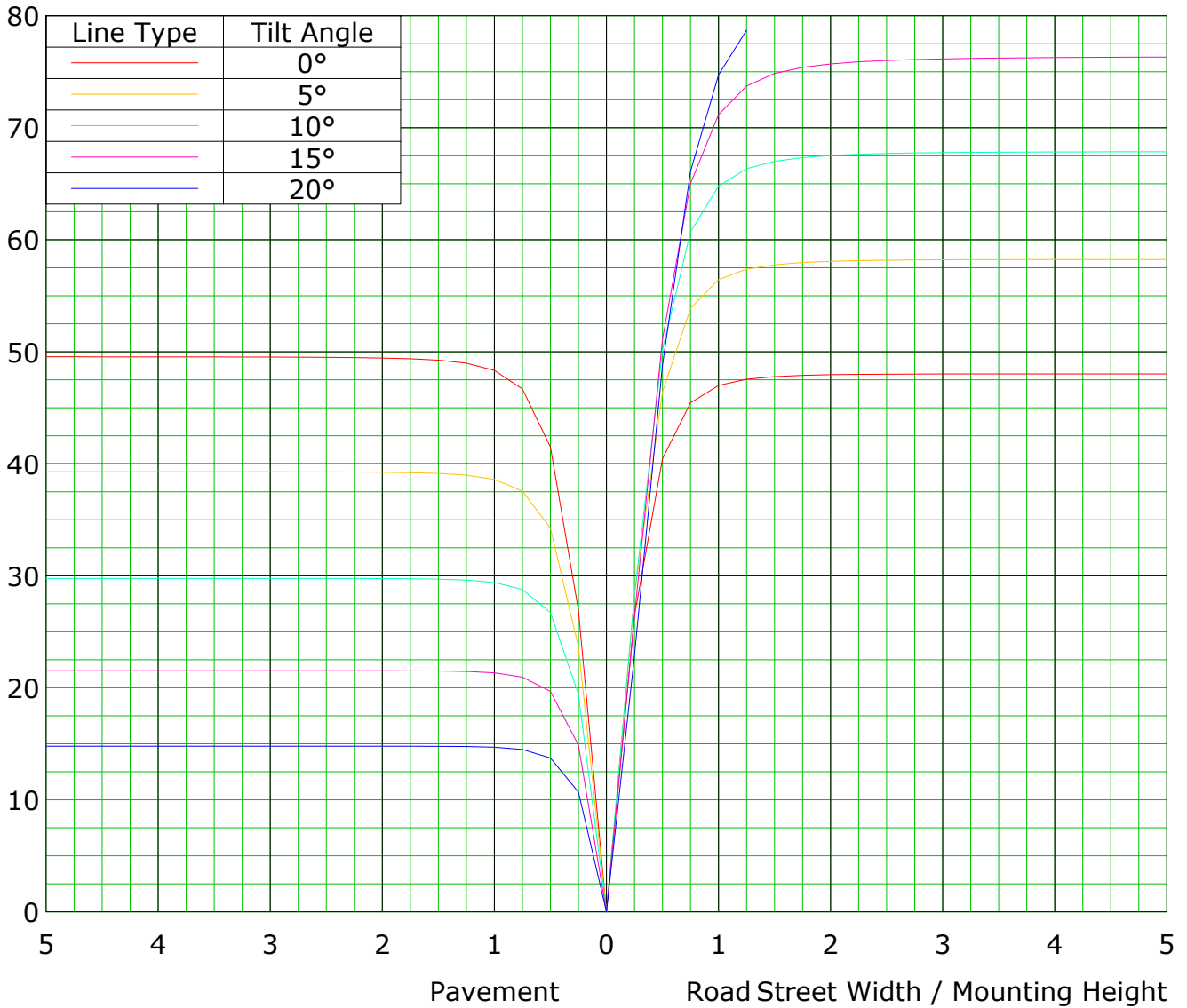
Mounting Height: 10.0m		Max Lux(100%): 13.7 lx	
— (1%):	0.1 lx	— (2%):	0.3 lx
— (5%):	0.7 lx	— (10%):	1.4 lx
— (20%):	2.7 lx	— (50%):	6.8 lx
— (100%):	13.7 lx		

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(%)



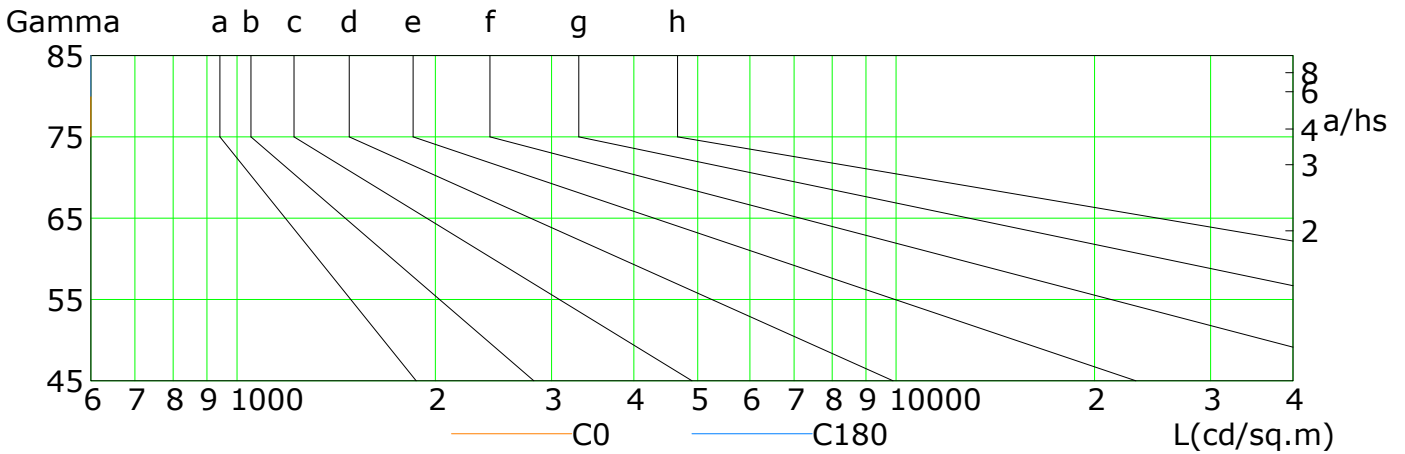
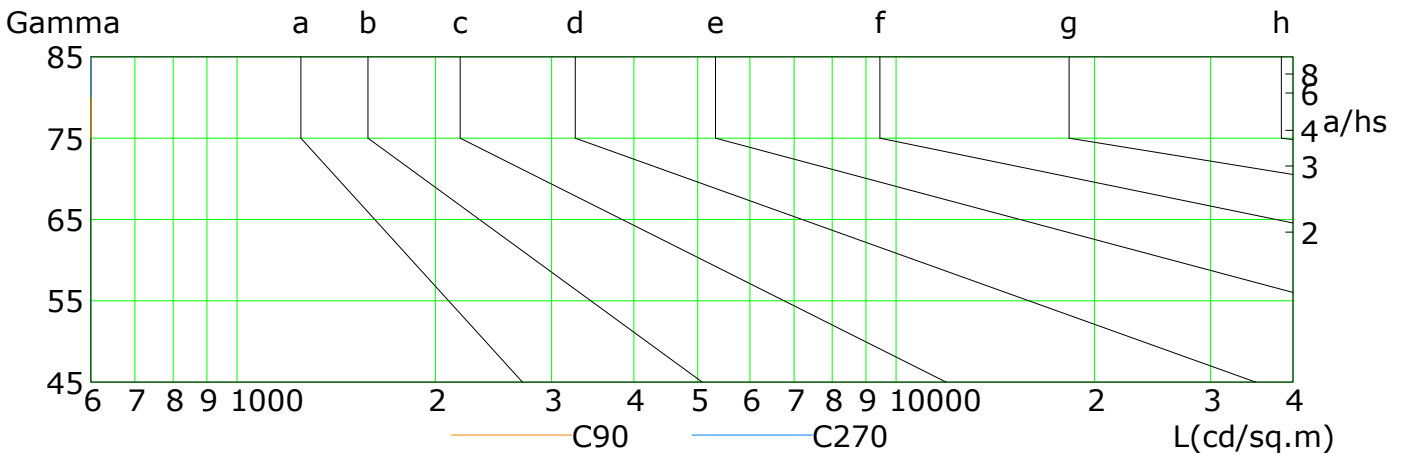
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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	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	46	29	15	9	4	2	0	0	0
C90	62	31	16	10	4	2	0	0	0
C180	56	36	19	10	6	3	2	0	0
C270	55	36	20	8	5	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

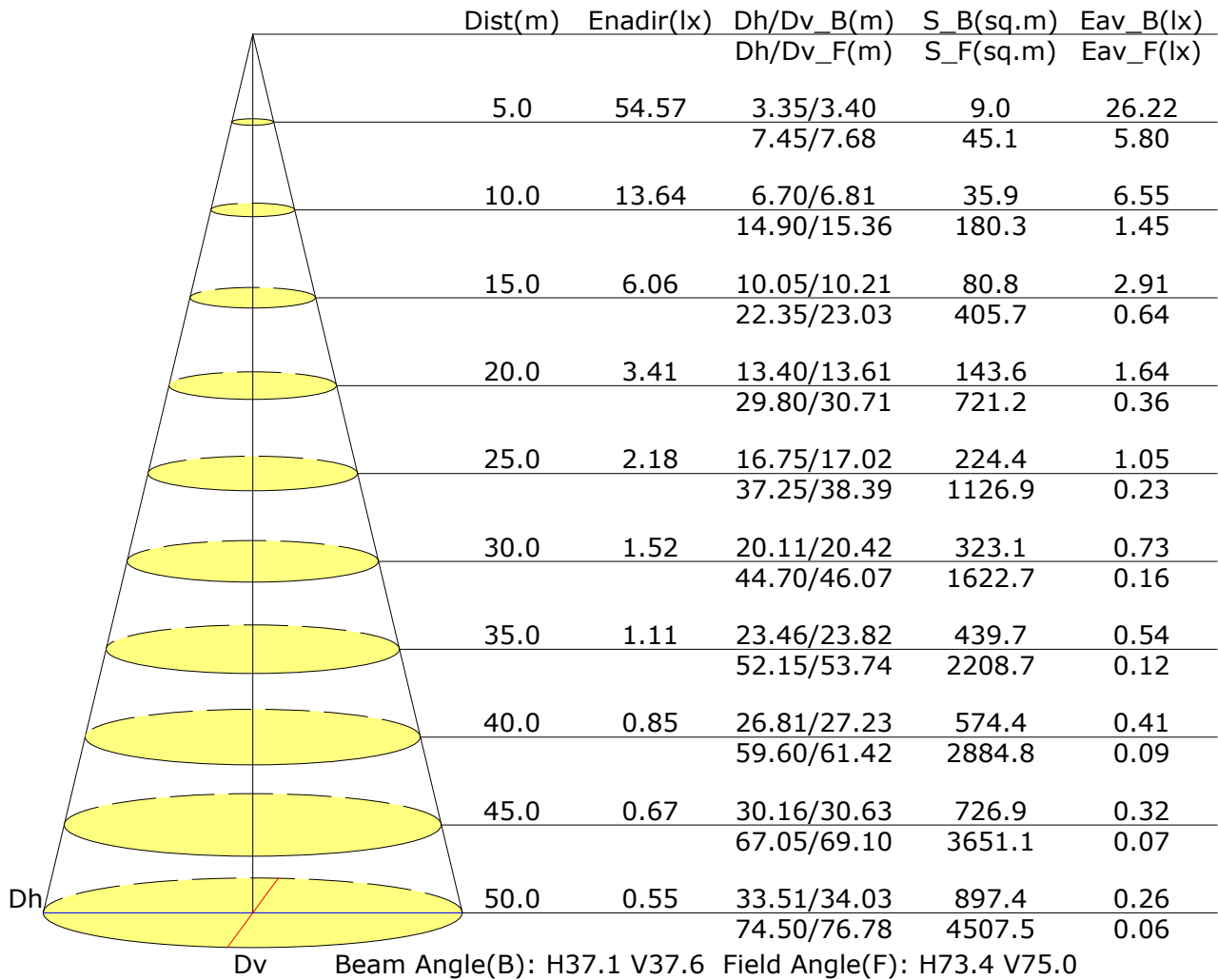
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

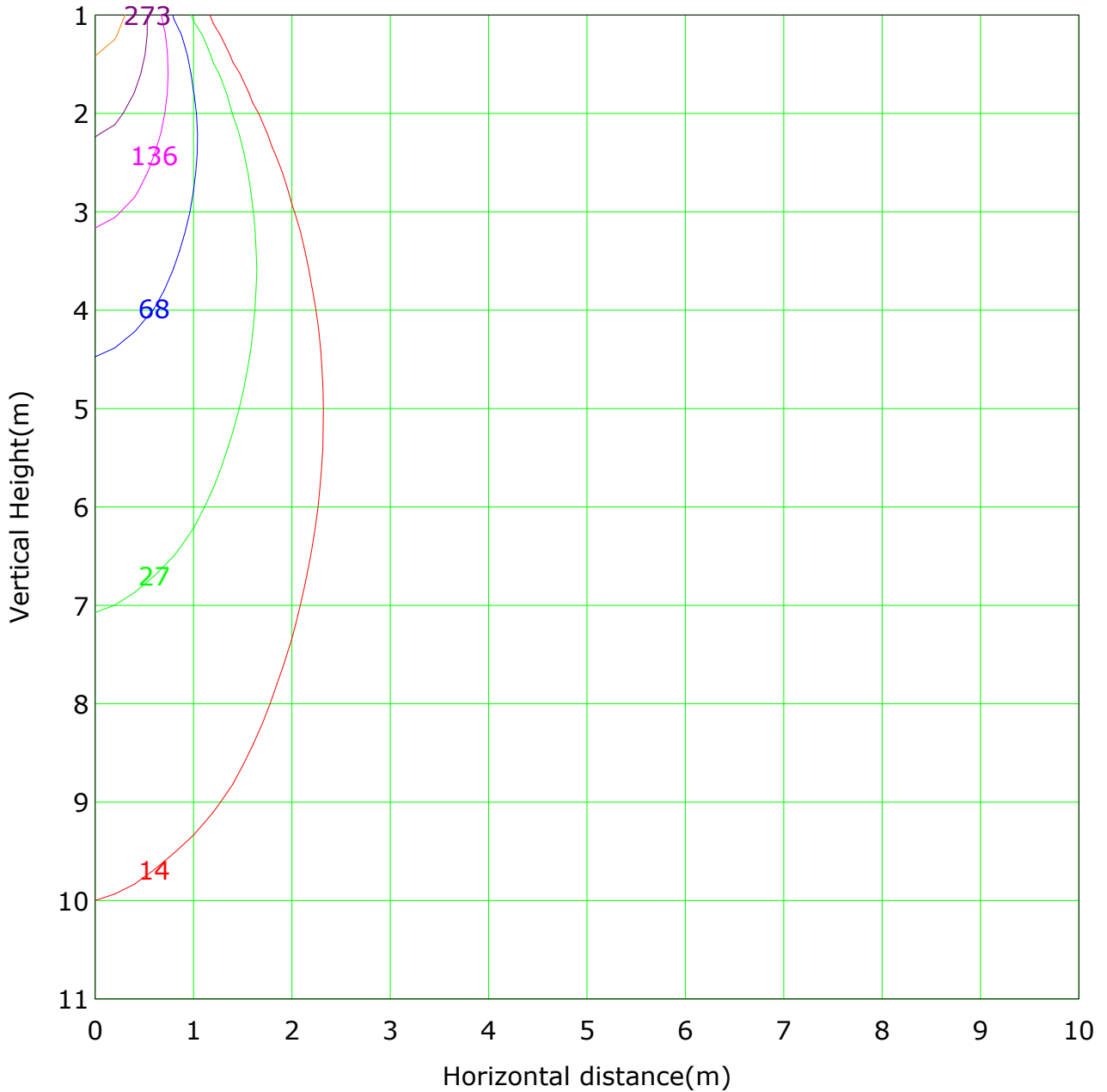
Illuminance at a Distance



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: 1364.3 lx

— (1%): 13.6 lx	— (2%): 27.3 lx
— (5%): 68.2 lx	— (10%): 136.4 lx
— (20%): 272.9 lx	— (50%): 682.2 lx
— (100%):1364.3 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

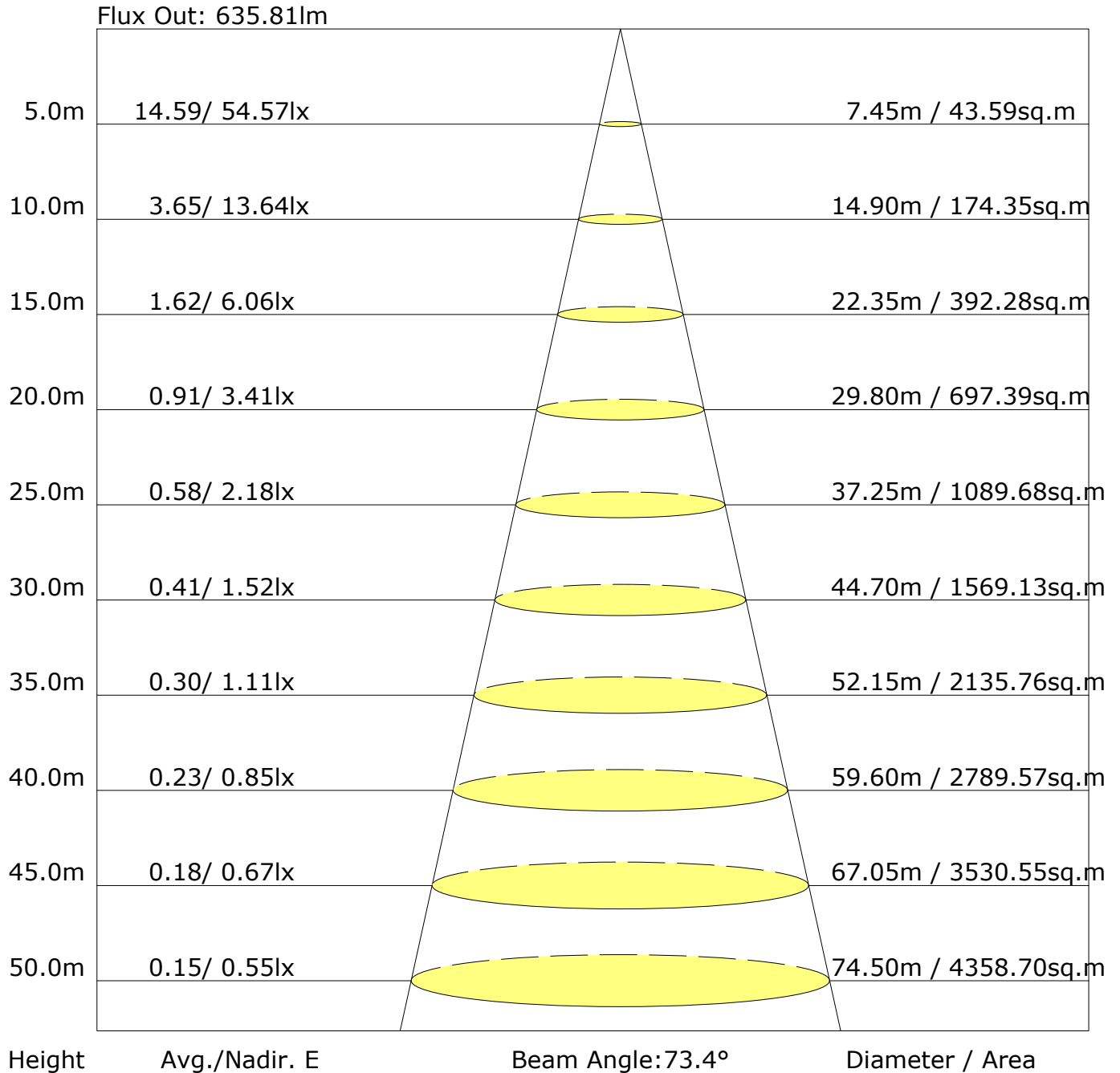
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	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	Flux(E)	Flux(T)
-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	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	0.2
-70	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	1.0
-60	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	3.5
-50	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	9.9
-40	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	24.4
-30	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	10.1
-20	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	58.6
-10	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	51.0
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	0.0	111.8
10	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	106.0
20	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	156.2
30	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	151.1
40	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	107.8
50	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	102.3
60	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	63.1
70	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	56.4
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	29.0
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	17.7
Flux(E)	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	640	
Flux(T)	0.0	0.1	0.6	2.4	7.8	22.9	58.9	114.9	163.6	160.7	110.2	56.9	21.9	6.8	2.0	0.4	0.0	0.0	0.0	0.0	730	

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
 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:

UGR Table

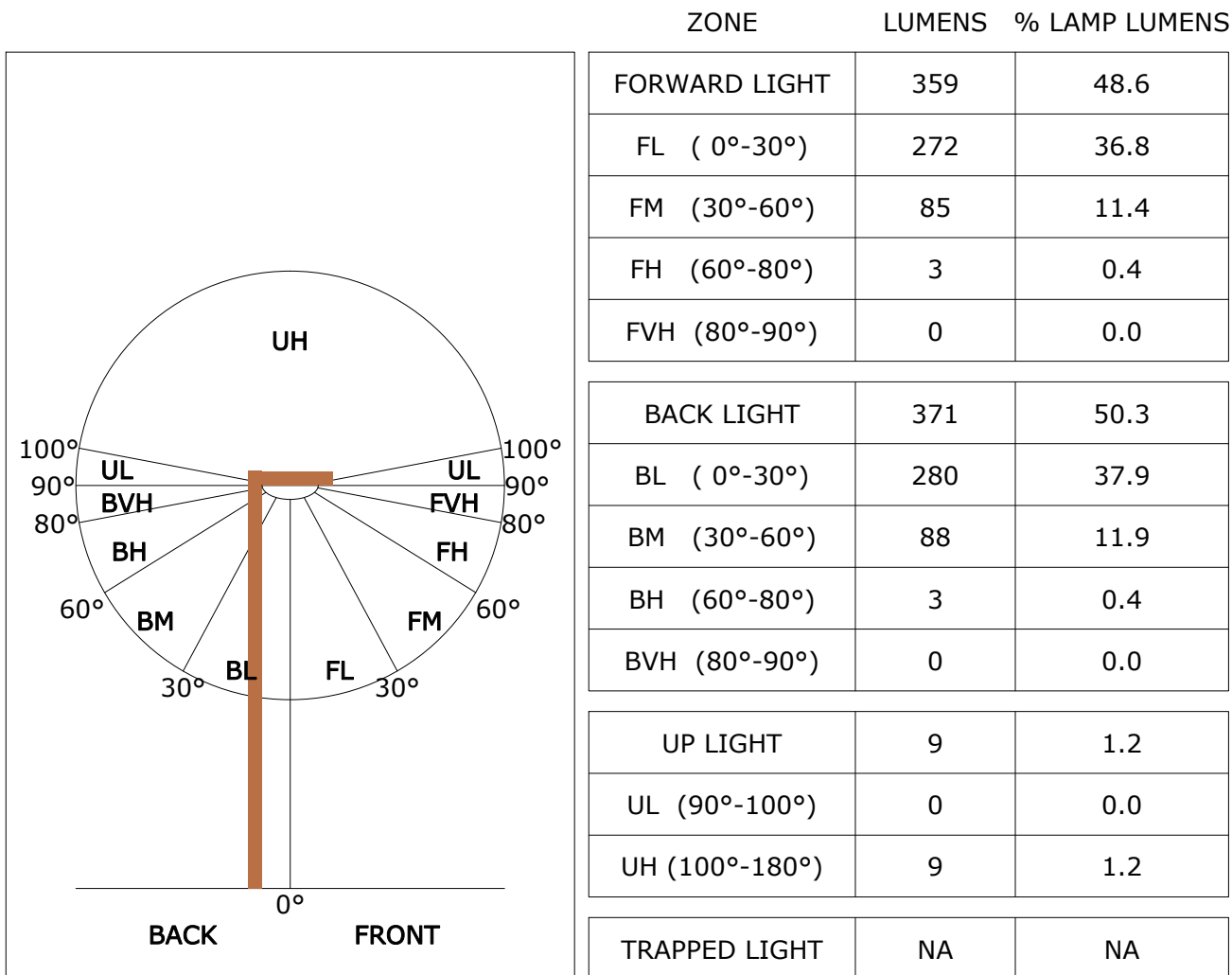
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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 739Im ($8\log(F/F_0) = -1.1$).

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

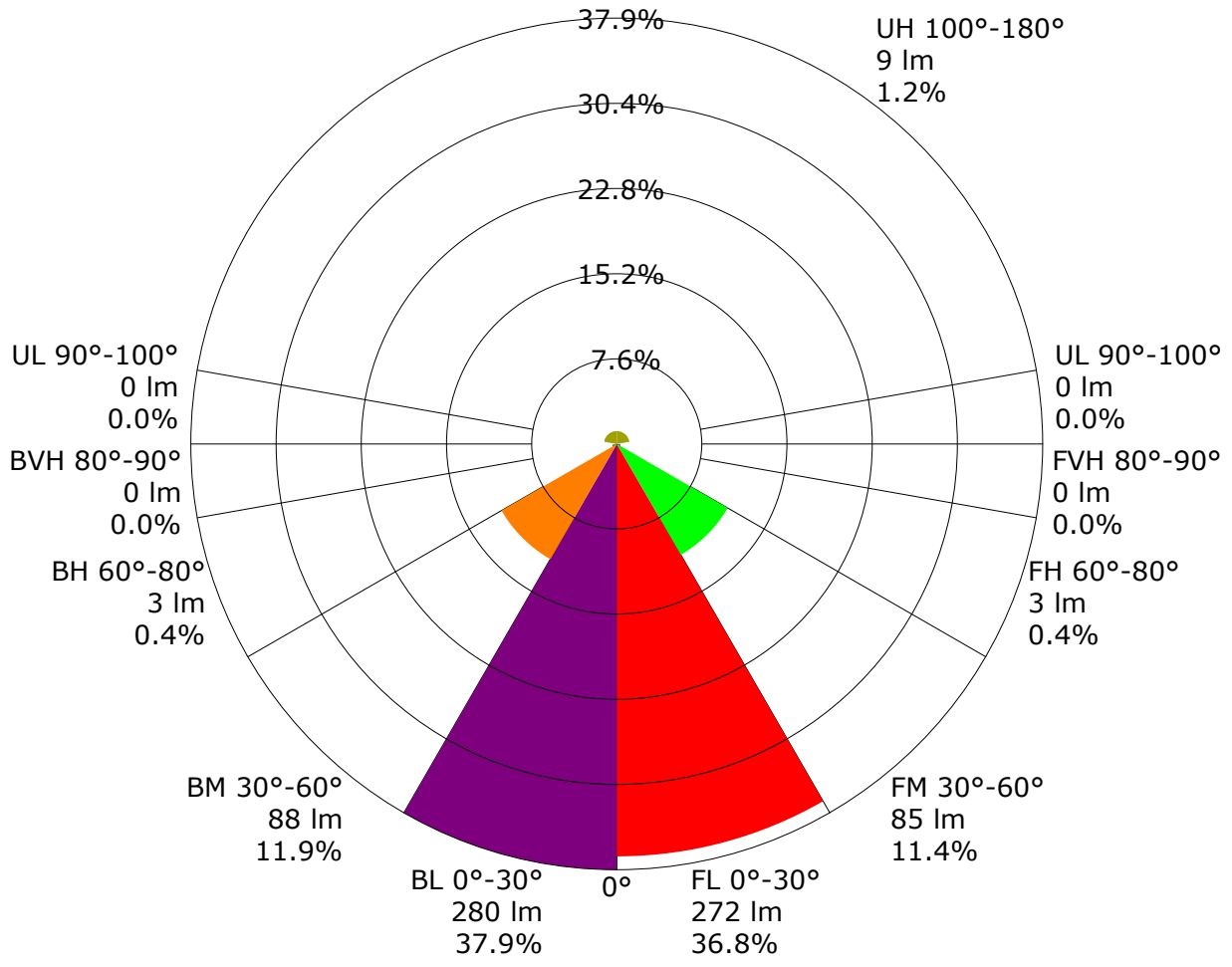


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

C Plane (°):0.0-360.0: 30.0
 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:

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	0.85	0.92	0.96	0.99	1.03	1.06	1.07	1.10	1.11	
	0.30		0.81	0.87	0.92	0.95	1.00	1.03	1.05	1.07	1.09	
	0.20		0.77	0.84	0.89	0.92	0.97	1.00	1.02	1.05	1.08	
0.50	0.50	0.20	0.84	0.90	0.94	0.96	1.00	1.02	1.04	1.06	1.07	
	0.30		0.80	0.86	0.90	0.93	0.97	1.00	1.01	1.04	1.05	
	0.20		0.77	0.83	0.88	0.91	0.95	0.98	1.00	1.02	1.04	
0.30	0.50	0.20	0.83	0.88	0.92	0.94	0.97	0.99	1.00	1.02	1.03	
	0.30		0.79	0.85	0.89	0.91	0.95	0.97	0.99	1.01	1.02	
	0.20		0.76	0.82	0.86	0.89	0.93	0.95	0.97	0.99	1.01	
0.00	0.00	0.00	0.75	0.80	0.84	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	0.58	0.46	0.39	0.33	0.26	0.22	0.18	0.14	0.11
	0.30		0.48	0.40	0.34	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.41	0.35	0.30	0.27	0.22	0.18	0.16	0.13	0.10
0.50	0.50	0.20	0.55	0.44	0.36	0.31	0.24	0.24	0.17	0.13	0.10
	0.30		0.46	0.38	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.40	0.33	0.29	0.25	0.20	0.17	0.15	0.12	0.10
0.30	0.50	0.20	0.52	0.41	0.34	0.29	0.22	0.18	0.15	0.12	0.10
	0.30		0.45	0.36	0.30	0.26	0.21	0.17	0.14	0.11	0.09
	0.20		0.39	0.32	0.28	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.25	0.20	0.16	0.14	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	0.16	0.17	0.18	0.19	0.20	0.21	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	0.21	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	0.16	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	1359.2	1.3	1.3	0.18	0.18
1.0-2.0	1352.5	3.9	5.2	0.53	0.70
2.0-3.0	1339.3	6.4	11.6	0.87	1.57
3.0-4.0	1319.3	8.8	20.4	1.20	2.76
4.0-5.0	1295.0	11.1	31.6	1.51	4.27
5.0-6.0	1265.2	13.3	44.9	1.80	6.07
6.0-7.0	1230.3	15.3	60.1	2.07	8.14
7.0-8.0	1193.5	17.1	77.2	2.31	10.45
8.0-9.0	1154.8	18.7	95.9	2.53	12.98
9.0-10.0	1112.4	20.1	116.1	2.72	15.71
10.0-11.0	1067.5	21.3	137.4	2.89	18.59
11.0-12.0	1022.1	22.3	159.7	3.02	21.62
12.0-13.0	974.5	23.1	182.9	3.13	24.75
13.0-14.0	925.7	23.7	206.6	3.21	27.96
14.0-15.0	877.5	24.1	230.7	3.26	31.22
15.0-16.0	829.6	24.3	255.0	3.29	34.51
16.0-17.0	782.3	24.4	279.3	3.30	37.80
17.0-18.0	736.3	24.3	303.6	3.29	41.09
18.0-19.0	691.4	24.1	327.7	3.26	44.35
19.0-20.0	648.3	23.7	351.4	3.21	47.56
20.0-21.0	606.8	23.3	374.7	3.15	50.71
21.0-22.0	566.3	22.8	397.5	3.08	53.79
22.0-23.0	526.9	22.1	419.6	2.99	56.78
23.0-24.0	489.4	21.4	441.0	2.90	59.68
24.0-25.0	454.2	20.7	461.6	2.80	62.48
25.0-26.0	420.4	19.8	481.5	2.69	65.16
26.0-27.0	388.0	19.0	500.5	2.57	67.73
27.0-28.0	357.5	18.1	518.6	2.45	70.18
28.0-29.0	328.6	17.2	535.8	2.33	72.51
29.0-30.0	300.9	16.2	552.0	2.20	74.71
30.0-31.0	274.3	15.3	567.3	2.07	76.77
31.0-32.0	249.3	14.3	581.6	1.93	78.71
32.0-33.0	226.0	13.3	594.9	1.80	80.51
33.0-34.0	204.2	12.4	607.2	1.67	82.18
34.0-35.0	183.8	11.4	618.7	1.54	83.73
35.0-36.0	164.8	10.5	629.2	1.42	85.15

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	147.4	9.6	638.8	1.30	86.45
37.0-38.0	131.6	8.8	647.6	1.19	87.64
38.0-39.0	117.0	8.0	655.5	1.08	88.72
39.0-40.0	103.8	7.2	662.8	0.98	89.70
40.0-41.0	92.3	6.6	669.4	0.89	90.59
41.0-42.0	82.0	6.0	675.3	0.81	91.39
42.0-43.0	72.8	5.4	680.7	0.73	92.12
43.0-44.0	65.0	4.9	685.6	0.66	92.79
44.0-45.0	58.3	4.5	690.1	0.61	93.39
45.0-46.0	52.2	4.1	694.2	0.55	93.95
46.0-47.0	47.1	3.7	697.9	0.51	94.45
47.0-48.0	42.7	3.5	701.4	0.47	94.92
48.0-49.0	38.7	3.2	704.6	0.43	95.35
49.0-50.0	35.1	2.9	707.5	0.40	95.75
50.0-51.0	31.7	2.7	710.2	0.36	96.11
51.0-52.0	28.4	2.4	712.6	0.33	96.44
52.0-53.0	25.4	2.2	714.8	0.30	96.74
53.0-54.0	22.4	2.0	716.8	0.27	97.01
54.0-55.0	19.4	1.7	718.5	0.23	97.24
55.0-56.0	16.5	1.5	720.0	0.20	97.44
56.0-57.0	14.2	1.3	721.3	0.18	97.62
57.0-58.0	12.3	1.1	722.4	0.15	97.77
58.0-59.0	10.8	1.0	723.4	0.14	97.91
59.0-60.0	9.7	0.9	724.4	0.12	98.03
60.0-61.0	8.7	0.8	725.2	0.11	98.14
61.0-62.0	7.8	0.8	726.0	0.10	98.25
62.0-63.0	6.9	0.7	726.6	0.09	98.34
63.0-64.0	6.1	0.6	727.2	0.08	98.42
64.0-65.0	5.2	0.5	727.7	0.07	98.49
65.0-66.0	4.4	0.4	728.2	0.06	98.55
66.0-67.0	3.7	0.4	728.6	0.05	98.60
67.0-68.0	3.2	0.3	728.9	0.04	98.64
68.0-69.0	2.7	0.3	729.2	0.04	98.68
69.0-70.0	2.4	0.2	729.4	0.03	98.71
70.0-71.0	2.0	0.2	729.6	0.03	98.74
71.0-72.0	1.8	0.2	729.8	0.02	98.77

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	1.5	0.2	730.0	0.02	98.79
73.0-74.0	1.2	0.1	730.1	0.02	98.81
74.0-75.0	0.9	0.1	730.2	0.01	98.82
75.0-76.0	0.6	0.1	730.3	0.01	98.83
76.0-77.0	0.4	0.0	730.3	0.01	98.83
77.0-78.0	0.2	0.0	730.3	0.00	98.84
78.0-79.0	0.0	0.0	730.3	0.00	98.84
79.0-80.0	0.0	0.0	730.3	0.00	98.84
80.0-81.0	0.0	0.0	730.3	0.00	98.84
81.0-82.0	0.0	0.0	730.3	0.00	98.84
82.0-83.0	0.0	0.0	730.3	0.00	98.84
83.0-84.0	0.0	0.0	730.3	0.00	98.84
84.0-85.0	0.0	0.0	730.3	0.00	98.84
85.0-86.0	0.0	0.0	730.3	0.00	98.84
86.0-87.0	0.0	0.0	730.3	0.00	98.84
87.0-88.0	0.0	0.0	730.3	0.00	98.84
88.0-89.0	0.0	0.0	730.3	0.00	98.84
89.0-90.0	0.0	0.0	730.3	0.00	98.84
90.0-91.0	0.0	0.0	730.3	0.00	98.84
91.0-92.0	0.0	0.0	730.3	0.00	98.84
92.0-93.0	0.0	0.0	730.3	0.00	98.84
93.0-94.0	0.0	0.0	730.3	0.00	98.84
94.0-95.0	0.0	0.0	730.3	0.00	98.84
95.0-96.0	0.0	0.0	730.3	0.00	98.84
96.0-97.0	0.0	0.0	730.3	0.00	98.84
97.0-98.0	0.0	0.0	730.3	0.00	98.84
98.0-99.0	0.0	0.0	730.3	0.00	98.84
99.0-100.0	0.0	0.0	730.3	0.00	98.84
100.0-101.0	0.0	0.0	730.3	0.00	98.84
101.0-102.0	0.0	0.0	730.3	0.00	98.84
102.0-103.0	0.0	0.0	730.3	0.00	98.84
103.0-104.0	0.0	0.0	730.3	0.00	98.84
104.0-105.0	0.0	0.0	730.3	0.00	98.84
105.0-106.0	0.0	0.0	730.3	0.00	98.84
106.0-107.0	0.0	0.0	730.3	0.00	98.84
107.0-108.0	0.0	0.0	730.3	0.00	98.84

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	730.3	0.00	98.84
109.0-110.0	0.0	0.0	730.3	0.00	98.84
110.0-111.0	0.0	0.0	730.3	0.00	98.84
111.0-112.0	0.0	0.0	730.3	0.00	98.84
112.0-113.0	0.0	0.0	730.3	0.00	98.84
113.0-114.0	0.0	0.0	730.3	0.00	98.84
114.0-115.0	0.0	0.0	730.3	0.00	98.84
115.0-116.0	0.0	0.0	730.3	0.00	98.84
116.0-117.0	0.0	0.0	730.3	0.00	98.84
117.0-118.0	0.0	0.0	730.3	0.00	98.84
118.0-119.0	0.0	0.0	730.3	0.00	98.84
119.0-120.0	0.0	0.0	730.3	0.00	98.84
120.0-121.0	0.1	0.0	730.3	0.00	98.84
121.0-122.0	0.2	0.0	730.4	0.00	98.84
122.0-123.0	0.4	0.0	730.4	0.00	98.85
123.0-124.0	0.5	0.0	730.4	0.01	98.85
124.0-125.0	0.6	0.1	730.5	0.01	98.86
125.0-126.0	0.7	0.1	730.5	0.01	98.87
126.0-127.0	0.8	0.1	730.6	0.01	98.88
127.0-128.0	1.0	0.1	730.7	0.01	98.89
128.0-129.0	1.1	0.1	730.8	0.01	98.90
129.0-130.0	1.2	0.1	730.9	0.01	98.92
130.0-131.0	1.3	0.1	731.0	0.02	98.93
131.0-132.0	1.5	0.1	731.1	0.02	98.95
132.0-133.0	1.6	0.1	731.3	0.02	98.96
133.0-134.0	1.6	0.1	731.4	0.02	98.98
134.0-135.0	1.7	0.1	731.5	0.02	99.00
135.0-136.0	1.8	0.1	731.7	0.02	99.02
136.0-137.0	2.0	0.1	731.8	0.02	99.04
137.0-138.0	2.1	0.2	732.0	0.02	99.06
138.0-139.0	2.3	0.2	732.1	0.02	99.08
139.0-140.0	2.4	0.2	732.3	0.02	99.11
140.0-141.0	2.6	0.2	732.5	0.02	99.13
141.0-142.0	2.7	0.2	732.7	0.02	99.16
142.0-143.0	2.8	0.2	732.9	0.03	99.18
143.0-144.0	3.0	0.2	733.1	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	733.3	0.03	99.24
145.0-146.0	3.3	0.2	733.5	0.03	99.26
146.0-147.0	3.5	0.2	733.7	0.03	99.29
147.0-148.0	3.6	0.2	733.9	0.03	99.32
148.0-149.0	3.8	0.2	734.1	0.03	99.35
149.0-150.0	4.0	0.2	734.3	0.03	99.38
150.0-151.0	4.2	0.2	734.6	0.03	99.41
151.0-152.0	4.3	0.2	734.8	0.03	99.44
152.0-153.0	4.5	0.2	735.0	0.03	99.47
153.0-154.0	4.6	0.2	735.2	0.03	99.50
154.0-155.0	4.8	0.2	735.5	0.03	99.53
155.0-156.0	4.9	0.2	735.7	0.03	99.56
156.0-157.0	5.1	0.2	735.9	0.03	99.59
157.0-158.0	5.2	0.2	736.1	0.03	99.62
158.0-159.0	5.4	0.2	736.4	0.03	99.65
159.0-160.0	5.5	0.2	736.6	0.03	99.68
160.0-161.0	5.6	0.2	736.8	0.03	99.71
161.0-162.0	5.7	0.2	737.0	0.03	99.74
162.0-163.0	5.9	0.2	737.2	0.03	99.76
163.0-164.0	6.0	0.2	737.4	0.03	99.79
164.0-165.0	6.0	0.2	737.5	0.02	99.81
165.0-166.0	6.1	0.2	737.7	0.02	99.83
166.0-167.0	6.2	0.2	737.9	0.02	99.86
167.0-168.0	6.4	0.2	738.0	0.02	99.88
168.0-169.0	6.4	0.1	738.1	0.02	99.90
169.0-170.0	6.5	0.1	738.3	0.02	99.91
170.0-171.0	6.6	0.1	738.4	0.02	99.93
171.0-172.0	6.6	0.1	738.5	0.01	99.94
172.0-173.0	6.7	0.1	738.6	0.01	99.96
173.0-174.0	6.7	0.1	738.7	0.01	99.97
174.0-175.0	6.8	0.1	738.8	0.01	99.98
175.0-176.0	6.8	0.1	738.8	0.01	99.99
176.0-177.0	6.8	0.0	738.9	0.01	99.99
177.0-178.0	6.9	0.0	738.9	0.00	100.00
178.0-179.0	6.9	0.0	738.9	0.00	100.00
179.0-180.0	6.9	0.0	738.9	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	1364.3	1357.4	1359.4	1356.9	1364.0	1366.9	1364.3	1357.4	1359.4	1356.9
G1.0	1349.2	1344.5	1346.1	1347.7	1352.1	1355.8	1364.3	1364.5	1365.7	1362.3
G2.0	1330.9	1323.4	1326.4	1331.0	1336.9	1347.0	1363.6	1367.1	1364.1	1365.7
G3.0	1302.1	1299.1	1302.2	1303.0	1314.3	1322.9	1354.4	1362.6	1357.1	1358.3
G4.0	1270.7	1271.0	1265.4	1279.5	1284.2	1298.4	1339.9	1346.2	1348.9	1341.1
G5.0	1238.6	1238.7	1237.9	1247.0	1256.3	1267.5	1321.7	1325.0	1329.8	1315.8
G6.0	1206.5	1203.1	1201.7	1210.9	1225.1	1230.6	1287.9	1293.9	1295.7	1284.9
G7.0	1169.9	1162.5	1163.1	1173.9	1185.0	1197.6	1251.7	1263.9	1256.8	1248.9
G8.0	1130.4	1120.1	1122.1	1133.5	1154.8	1158.9	1221.9	1224.9	1220.1	1211.8
G9.0	1088.5	1071.3	1078.8	1092.5	1115.2	1120.4	1184.2	1185.1	1179.8	1175.5
G10.0	1039.5	1024.5	1030.6	1047.7	1068.8	1082.4	1142.8	1137.8	1131.8	1130.8
G11.0	991.6	975.4	985.5	1004.0	1026.8	1037.3	1096.2	1091.5	1087.4	1087.4
G12.0	945.1	929.1	936.4	957.0	980.0	990.4	1051.5	1048.9	1044.0	1042.0
G13.0	892.0	881.6	886.6	905.9	931.1	944.1	1007.1	1001.4	995.9	994.4
G14.0	844.7	838.5	841.4	863.0	887.7	892.1	957.5	946.1	945.4	938.7
G15.0	800.3	791.2	801.0	819.4	839.3	844.9	908.1	894.8	891.4	888.4
G16.0	754.6	747.1	757.7	780.8	796.4	794.4	851.1	845.7	839.7	837.3
G17.0	707.0	706.7	714.7	739.1	753.5	748.8	804.1	792.7	788.6	788.6
G18.0	666.6	666.9	674.7	701.7	714.4	705.4	755.4	738.4	737.5	732.5
G19.0	626.6	624.9	639.3	662.5	672.0	666.2	701.6	686.9	685.1	688.2
G20.0	587.6	588.7	604.5	627.5	636.5	623.2	657.1	641.6	634.6	640.2
G21.0	547.8	553.0	569.2	592.3	601.9	585.1	612.1	593.2	589.4	593.4
G22.0	511.6	514.0	532.4	555.9	567.7	548.8	572.1	549.9	544.1	550.6
G23.0	475.8	481.6	499.2	521.4	530.2	510.1	530.2	503.3	500.6	504.2
G24.0	444.0	449.1	468.0	489.9	498.5	477.8	489.5	462.9	458.0	463.8
G25.0	408.4	419.4	436.7	460.6	465.2	444.1	453.0	425.9	419.3	427.1
G26.0	378.6	387.5	406.3	426.8	435.6	413.3	417.3	391.2	385.2	391.1
G27.0	349.3	358.7	378.7	398.8	402.5	381.9	385.1	355.8	352.6	355.6
G28.0	321.2	331.3	353.7	371.7	374.9	349.5	352.1	324.8	319.6	326.4
G29.0	294.3	304.5	327.8	344.0	347.2	322.1	319.9	297.1	290.6	296.7
G30.0	268.2	280.2	300.3	319.4	320.6	294.8	292.1	270.2	263.7	270.2
G31.0	243.4	253.6	277.4	292.2	295.2	269.8	265.2	242.3	239.0	242.1
G32.0	221.0	231.8	255.1	270.1	267.5	242.8	240.2	219.2	215.8	217.6
G33.0	198.1	211.1	233.6	248.2	244.5	220.5	214.9	196.5	192.5	195.8
G34.0	178.5	190.5	211.2	227.4	222.8	198.5	192.8	177.0	172.9	175.4
G35.0	159.8	170.6	192.6	204.8	202.8	178.7	172.9	158.3	155.9	157.0
G36.0	142.7	153.5	173.8	186.4	181.9	158.6	154.8	139.6	139.6	139.4

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 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	127.0	138.0	156.9	168.4	163.1	141.3	135.8	125.7	124.2	125.1
G38.0	111.5	123.4	138.5	151.1	146.1	125.5	121.3	112.6	111.9	111.8
G39.0	98.3	107.8	123.6	133.7	128.7	111.3	108.1	100.8	101.4	100.5
G40.0	86.0	95.4	109.6	118.5	113.8	97.2	96.8	90.1	91.5	89.3
G41.0	75.9	84.0	96.8	104.8	100.5	86.1	86.3	81.2	83.0	80.8
G42.0	66.0	74.0	84.3	92.5	88.7	76.2	76.4	73.4	75.2	73.0
G43.0	58.7	64.0	73.9	80.4	78.3	68.1	68.9	66.9	68.4	65.6
G44.0	52.2	56.5	65.0	70.8	68.6	61.3	62.1	60.8	62.9	60.3
G45.0	46.2	49.6	56.8	62.3	61.1	54.9	56.1	55.4	57.8	54.7
G46.0	41.9	43.4	48.8	54.0	54.1	49.7	50.5	50.9	52.8	50.3
G47.0	38.5	38.7	42.7	47.3	48.2	45.7	46.4	46.9	48.7	46.3
G48.0	35.4	34.6	37.0	41.8	42.6	41.7	43.0	43.1	44.9	42.6
G49.0	32.3	30.7	31.8	36.3	38.1	38.9	39.6	39.6	41.5	38.8
G50.0	29.5	26.7	27.9	31.3	33.9	35.6	36.1	36.5	37.7	35.8
G51.0	26.1	23.1	23.9	26.6	29.6	32.3	33.4	33.6	34.7	32.9
G52.0	22.4	20.5	20.6	23.3	24.9	28.2	30.8	30.8	32.0	30.1
G53.0	19.6	18.5	17.6	20.6	22.1	24.0	27.7	27.9	29.3	27.4
G54.0	17.2	16.5	15.5	18.2	19.7	21.2	23.6	24.3	25.7	23.9
G55.0	15.4	14.8	14.2	16.3	17.7	18.6	18.9	20.3	21.8	20.1
G56.0	13.8	13.7	12.9	14.7	16.0	16.3	15.3	15.9	17.9	15.8
G57.0	12.6	12.7	11.9	13.2	14.4	14.0	13.3	13.1	14.2	12.8
G58.0	11.2	11.4	10.8	12.0	13.1	12.7	12.1	11.3	10.3	9.9
G59.0	10.1	10.2	9.9	10.8	11.8	11.7	11.0	9.6	8.5	8.3
G60.0	8.7	9.0	9.1	9.9	10.4	10.5	10.2	8.6	7.8	7.6
G61.0	7.7	7.8	8.1	8.6	9.1	9.6	9.5	8.0	7.0	7.0
G62.0	6.7	6.8	7.0	7.2	7.8	8.4	8.5	7.5	6.4	6.6
G63.0	5.6	5.5	5.8	6.1	6.6	7.3	7.7	6.9	6.0	6.1
G64.0	4.7	4.6	4.9	5.0	5.4	6.4	7.0	6.3	5.6	5.8
G65.0	3.7	3.7	3.9	3.9	4.3	5.2	6.1	5.7	5.1	5.3
G66.0	2.9	2.8	3.1	3.2	3.4	4.3	5.3	5.1	4.7	4.7
G67.0	2.5	2.5	2.8	2.9	2.7	3.4	4.6	4.4	4.2	3.9
G68.0	2.3	2.1	2.6	2.4	2.3	2.9	3.8	3.7	3.7	3.3
G69.0	1.9	2.1	2.3	2.3	2.1	2.8	3.2	2.9	3.0	2.9
G70.0	1.7	1.9	2.1	2.0	2.0	2.4	2.6	2.3	2.4	2.4
G71.0	1.5	1.6	1.8	1.6	1.7	2.1	2.3	2.0	2.0	1.9
G72.0	1.4	1.4	1.6	1.4	1.4	1.9	2.0	1.9	1.9	1.7
G73.0	1.1	1.2	1.3	1.1	1.1	1.7	1.9	1.6	1.7	1.5

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	1.1	1.3	0.0	0.0	1.5	1.7	1.4	1.5	1.5
G75.0	0.0	0.0	0.0	0.0	0.0	1.4	1.6	1.3	1.3	1.2
G76.0	0.0	0.0	0.0	0.0	0.0	1.2	1.4	1.0	1.2	1.2
G77.0	0.0	0.0	0.0	0.0	0.0	1.1	1.3	0.0	1.1	0.0
G78.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	1.0	1.1	0.0	0.0	1.2	0.0	0.0	0.0	0.0
G123.0	1.0	1.1	1.1	1.0	0.0	1.1	0.0	0.0	0.0	0.0
G124.0	1.1	1.1	1.1	1.1	0.0	1.2	0.0	0.0	0.0	0.0
G125.0	1.2	1.3	1.3	1.1	0.0	1.3	1.0	0.0	0.0	0.0
G126.0	1.3	1.3	1.0	1.2	0.0	1.3	1.1	0.0	0.0	0.0
G127.0	1.3	1.2	1.1	1.3	0.0	1.3	1.0	0.0	1.0	1.1
G128.0	1.4	1.3	1.0	1.2	1.0	1.4	1.1	0.0	1.2	1.1
G129.0	1.5	1.4	1.4	1.4	1.1	1.5	1.2	0.0	1.1	1.2
G130.0	1.5	1.5	1.4	1.5	1.1	1.7	1.3	0.0	1.2	1.3
G131.0	1.6	1.5	1.4	1.5	1.3	1.8	1.2	1.0	1.2	1.4
G132.0	1.8	1.5	1.6	1.6	1.4	1.9	1.3	1.3	1.4	1.4
G133.0	1.8	1.9	1.5	1.7	1.2	2.0	1.3	1.3	1.4	1.5
G134.0	2.0	1.9	1.7	1.9	1.3	1.9	1.3	1.3	1.5	1.7
G135.0	2.3	2.0	1.8	2.0	1.5	2.0	1.5	1.4	1.5	1.8
G136.0	2.4	2.0	1.9	2.1	1.6	2.1	1.6	1.4	1.9	1.8
G137.0	2.6	2.3	2.2	2.3	1.7	2.5	1.7	1.5	2.0	2.0
G138.0	2.7	2.3	2.3	2.5	1.8	2.7	2.0	1.8	2.2	2.1
G139.0	2.8	2.5	2.3	2.7	2.0	2.7	2.1	1.8	2.3	2.4
G140.0	3.0	2.6	2.6	2.7	2.3	2.7	2.1	2.0	2.5	2.6
G141.0	3.1	2.9	2.6	2.8	2.4	2.9	2.4	2.3	2.7	2.7
G142.0	3.3	2.9	2.9	3.0	2.4	3.0	2.4	2.3	2.8	2.7
G143.0	3.6	3.2	3.2	3.1	2.5	3.3	2.7	2.4	2.9	2.9
G144.0	3.6	3.3	3.3	3.2	2.8	3.3	2.8	2.6	3.1	3.0
G145.0	3.6	3.5	3.4	3.4	2.9	3.5	3.0	2.7	3.2	3.2
G146.0	4.0	3.7	3.6	3.6	3.1	3.5	3.1	2.8	3.5	3.3
G147.0	4.2	3.8	3.6	3.7	3.2	3.7	3.5	2.9	3.5	3.5

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	4.2	4.0	3.8	3.7	3.4	3.7	3.6	3.1	3.8	3.6
G149.0	4.6	4.1	4.0	3.9	3.6	4.1	3.5	3.5	4.0	3.8
G150.0	4.8	4.2	4.0	4.2	3.8	4.2	3.6	3.6	4.2	4.0
G151.0	4.8	4.4	4.2	4.4	4.0	4.5	3.9	3.8	4.5	4.0
G152.0	4.8	4.6	4.4	4.5	4.2	4.5	4.2	4.0	4.6	4.2
G153.0	5.0	4.7	4.6	4.7	4.3	4.6	4.4	4.1	4.7	4.3
G154.0	5.2	4.7	4.8	4.8	4.5	4.9	4.4	4.2	4.8	4.7
G155.0	5.3	4.9	5.0	5.0	4.7	5.0	4.6	4.3	5.0	4.7
G156.0	5.4	5.0	5.1	5.0	4.9	5.1	4.8	4.5	5.3	4.9
G157.0	5.5	5.2	5.3	5.3	5.2	5.3	5.0	4.8	5.4	5.0
G158.0	5.6	5.2	5.5	5.3	5.2	5.3	4.9	4.9	5.5	5.3
G159.0	5.8	5.4	5.5	5.6	5.2	5.5	5.0	5.1	5.5	5.5
G160.0	5.9	5.6	5.6	5.5	5.3	5.6	5.2	5.2	5.6	5.6
G161.0	6.0	5.6	5.7	5.6	5.5	5.7	5.4	5.4	5.8	5.6
G162.0	6.1	5.7	5.8	5.6	5.7	6.0	5.4	5.6	6.0	5.8
G163.0	6.2	5.9	6.0	5.7	6.0	6.1	5.4	5.6	6.1	5.9
G164.0	6.3	5.9	6.1	5.8	5.9	6.2	5.5	5.7	6.2	6.2
G165.0	6.4	5.9	6.1	5.9	6.0	6.2	5.6	5.9	6.3	6.1
G166.0	6.8	6.1	6.3	6.1	6.0	6.3	5.8	5.9	6.2	6.1
G167.0	6.8	6.2	6.2	6.1	6.4	6.4	6.0	6.1	6.4	6.2
G168.0	6.8	6.4	6.3	6.4	6.3	6.5	6.1	6.4	6.6	6.4
G169.0	6.9	6.4	6.6	6.5	6.3	6.6	6.2	6.4	6.6	6.3
G170.0	6.8	6.7	6.7	6.5	6.4	6.7	6.2	6.4	6.4	6.4
G171.0	7.0	6.6	6.6	6.5	6.5	6.7	6.4	6.6	6.6	6.4
G172.0	7.0	6.7	6.6	6.6	6.4	6.9	6.7	6.4	6.8	6.7
G173.0	7.1	6.7	6.7	6.6	6.5	7.0	6.4	6.6	6.8	6.6
G174.0	6.9	6.7	6.7	6.7	6.6	6.8	6.7	6.8	6.9	6.6
G175.0	7.2	6.8	6.8	6.8	6.8	6.9	6.6	6.8	6.9	6.8
G176.0	7.1	6.9	6.8	6.8	6.7	6.9	6.5	6.7	7.0	6.7
G177.0	7.4	7.0	6.8	6.8	6.8	7.0	6.9	6.8	7.1	6.7
G178.0	7.5	7.1	6.8	7.1	6.8	6.9	7.0	6.7	7.1	6.6
G179.0	7.5	7.2	6.8	7.0	6.9	7.1	7.0	6.5	7.3	6.9
G180.0	7.3	6.9	6.9	6.9	6.9	7.1	7.0	6.8	7.2	6.6

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	1364.0	1366.9	1364.3						
G1.0	1365.6	1365.3	1349.2						
G2.0	1360.7	1359.4	1330.9						
G3.0	1347.9	1343.0	1302.1						
G4.0	1329.0	1322.2	1270.7						
G5.0	1309.5	1296.9	1238.6						
G6.0	1273.7	1265.7	1206.5						
G7.0	1244.1	1229.5	1169.9						
G8.0	1204.1	1194.0	1130.4						
G9.0	1167.7	1159.2	1088.5						
G10.0	1125.9	1115.8	1039.5						
G11.0	1082.2	1075.5	991.6						
G12.0	1036.2	1029.2	945.1						
G13.0	985.1	973.3	892.0						
G14.0	933.9	929.3	844.7						
G15.0	885.6	877.1	800.3						
G16.0	837.3	827.5	754.6						
G17.0	782.5	779.9	707.0						
G18.0	737.4	733.1	666.6						
G19.0	688.7	687.6	626.6						
G20.0	644.8	643.1	587.6						
G21.0	600.0	596.2	547.8						
G22.0	553.6	556.6	511.6						
G23.0	512.9	518.4	475.8						
G24.0	473.7	482.3	444.0						
G25.0	437.5	447.3	408.4						
G26.0	400.2	411.3	378.6						
G27.0	367.4	380.5	349.3						
G28.0	337.5	350.5	321.2						
G29.0	308.0	321.2	294.3						
G30.0	276.8	291.6	268.2						
G31.0	250.7	265.1	243.4						
G32.0	226.0	240.3	221.0						
G33.0	202.8	217.8	198.1						
G34.0	181.0	196.0	178.5						
G35.0	159.9	173.5	159.8						
G36.0	142.3	155.0	142.7						

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	126.6	137.7	127.0						
G38.0	112.3	122.0	111.5						
G39.0	98.9	106.8	98.3						
G40.0	88.2	94.8	86.0						
G41.0	79.0	84.6	75.9						
G42.0	70.5	75.4	66.0						
G43.0	62.8	66.8	58.7						
G44.0	57.1	59.9	52.2						
G45.0	51.9	53.9	46.2						
G46.0	47.2	49.1	41.9						
G47.0	43.4	44.6	38.5						
G48.0	39.6	41.3	35.4						
G49.0	36.5	38.2	32.3						
G50.0	33.4	35.6	29.5						
G51.0	30.7	33.1	26.1						
G52.0	28.3	30.2	22.4						
G53.0	25.4	27.0	19.6						
G54.0	22.0	22.9	17.2						
G55.0	16.8	18.9	15.4						
G56.0	13.4	16.2	13.8						
G57.0	11.5	14.2	12.6						
G58.0	10.4	12.3	11.2						
G59.0	9.4	11.0	10.1						
G60.0	8.8	9.8	8.7						
G61.0	8.2	9.1	7.7						
G62.0	7.5	8.3	6.7						
G63.0	7.0	7.3	5.6						
G64.0	6.1	6.3	4.7						
G65.0	5.5	5.3	3.7						
G66.0	4.8	4.5	2.9						
G67.0	3.9	3.6	2.5						
G68.0	3.1	2.9	2.3						
G69.0	2.5	2.5	1.9						
G70.0	2.1	2.1	1.7						
G71.0	2.0	1.7	1.5						
G72.0	1.6	1.5	1.4						
G73.0	1.5	1.3	1.1						

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	1.2	1.1	0.0							
G75.0	1.1	1.0	0.0							
G76.0	0.0	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	0.0	0.0	0.0						
G120.0	0.0	0.0	1.1						
G121.0	0.0	0.0	0.0						
G122.0	0.0	0.0	0.0						
G123.0	0.0	0.0	1.0						
G124.0	0.0	0.0	1.1						
G125.0	1.1	0.0	1.2						
G126.0	1.2	0.0	1.3						
G127.0	1.1	1.1	1.3						
G128.0	1.1	1.2	1.4						
G129.0	1.3	1.3	1.5						
G130.0	1.5	1.4	1.5						
G131.0	1.3	1.4	1.6						
G132.0	1.4	1.5	1.8						
G133.0	1.5	1.7	1.8						
G134.0	1.5	1.8	2.0						
G135.0	1.7	1.8	2.3						
G136.0	1.8	1.9	2.4						
G137.0	1.9	2.0	2.6						
G138.0	2.1	2.1	2.7						
G139.0	2.2	2.3	2.8						
G140.0	2.5	2.3	3.0						
G141.0	2.6	2.5	3.1						
G142.0	2.7	2.8	3.3						
G143.0	2.7	3.0	3.6						
G144.0	2.9	3.3	3.6						
G145.0	3.0	3.4	3.6						
G146.0	3.4	3.5	4.0						
G147.0	3.6	3.7	4.2						

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