

Report No.:

Test Time: 2020-11-13 14:53

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS026W12V27KD(25 度)

Lamp Catalog: CXA-1304H-37V

Lamp Description: DDC10WB12S-160(7.97W)

Voltage: 12.9 V

Current: 0.643 A

Power: 7.72 W

Power Factor: 0.926

Volt Amps: 7.47 VA

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 468.1 lm

Measurement Flux: 468.1 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%,75%,100%): H50.6,H24.9,H15.7,H2

Vertical Diffuse Angle(10%,50%,75%,100%): V54,V25.6,V16.1,V2

Luminaire Efficacy Rating (LER): 60.68

Central Intensity: 1669.82 cd

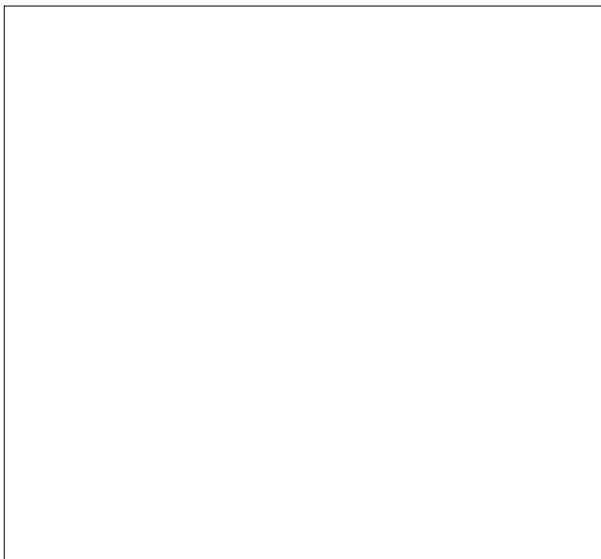
Max. Intensity: 1747.23 cd

Pos of Max. Intensity: H240 V3

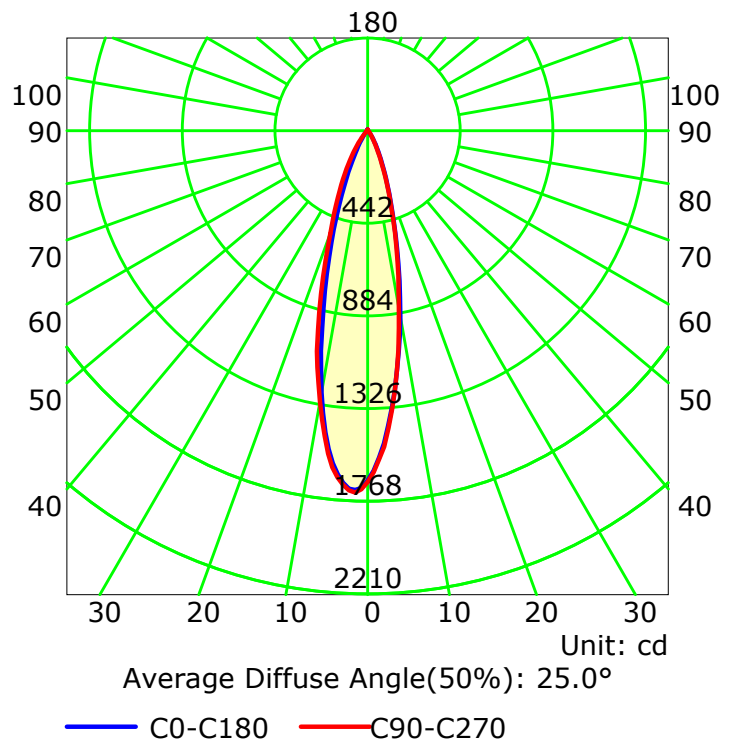
S/MH(C0/C180): 0.43

S/MH(C90/C270): 0.44

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

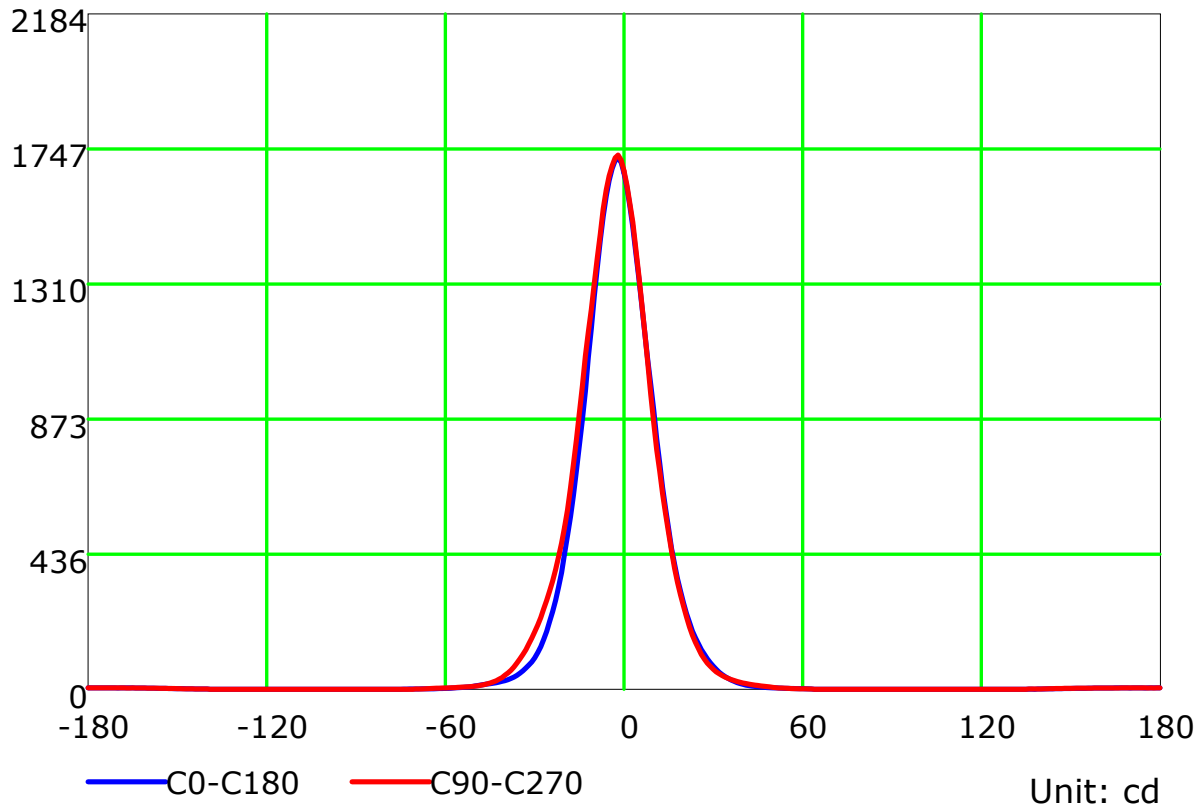
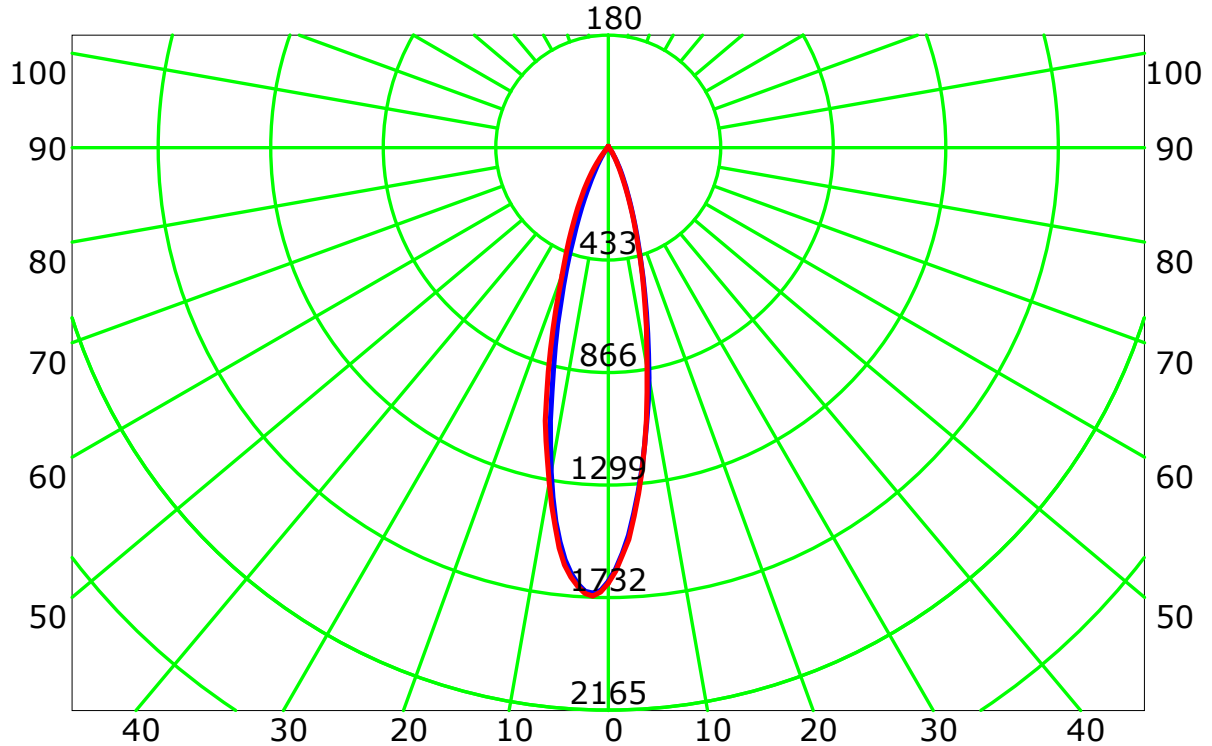
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

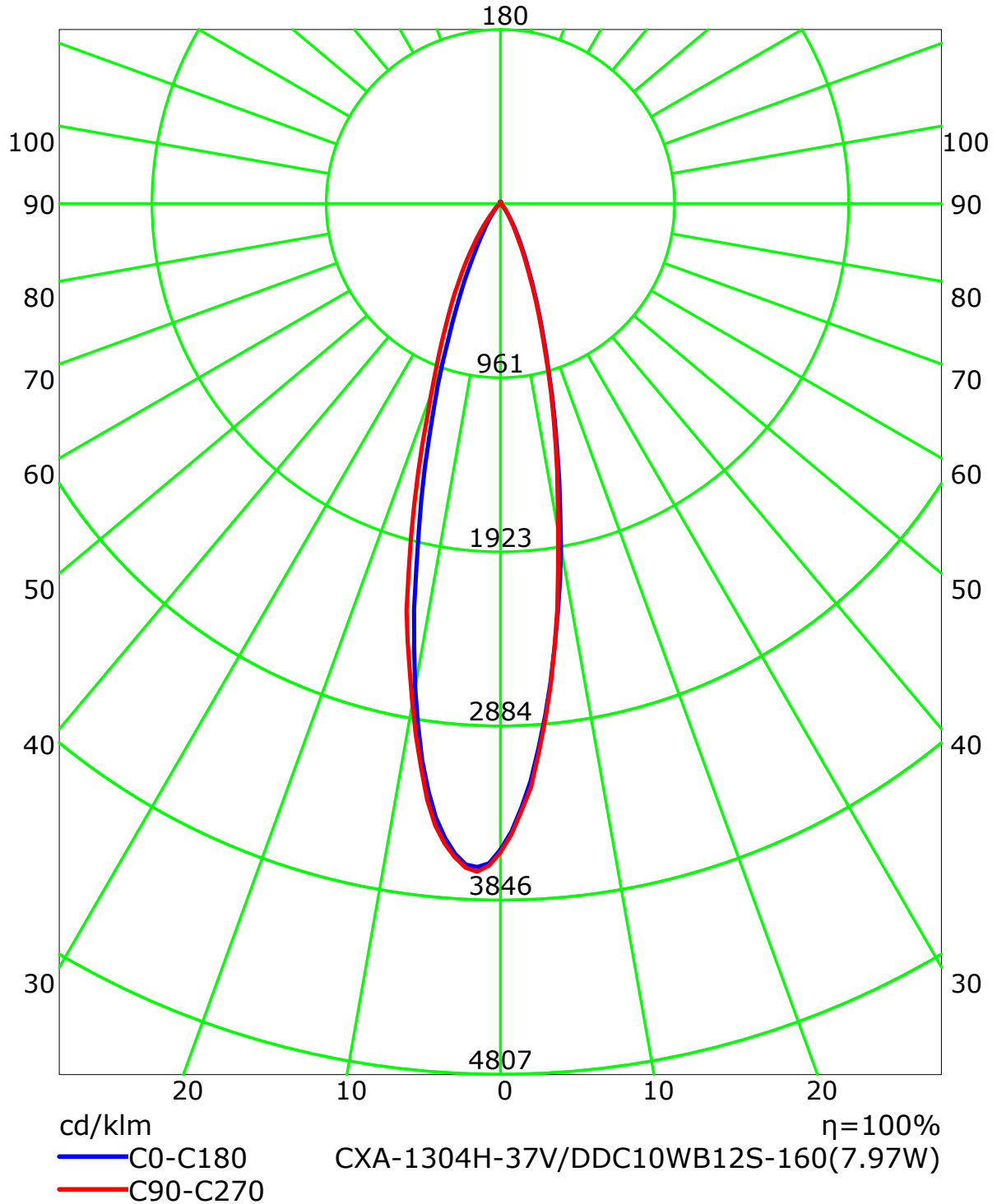
## Luminous Intensity Distribution Curve



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)



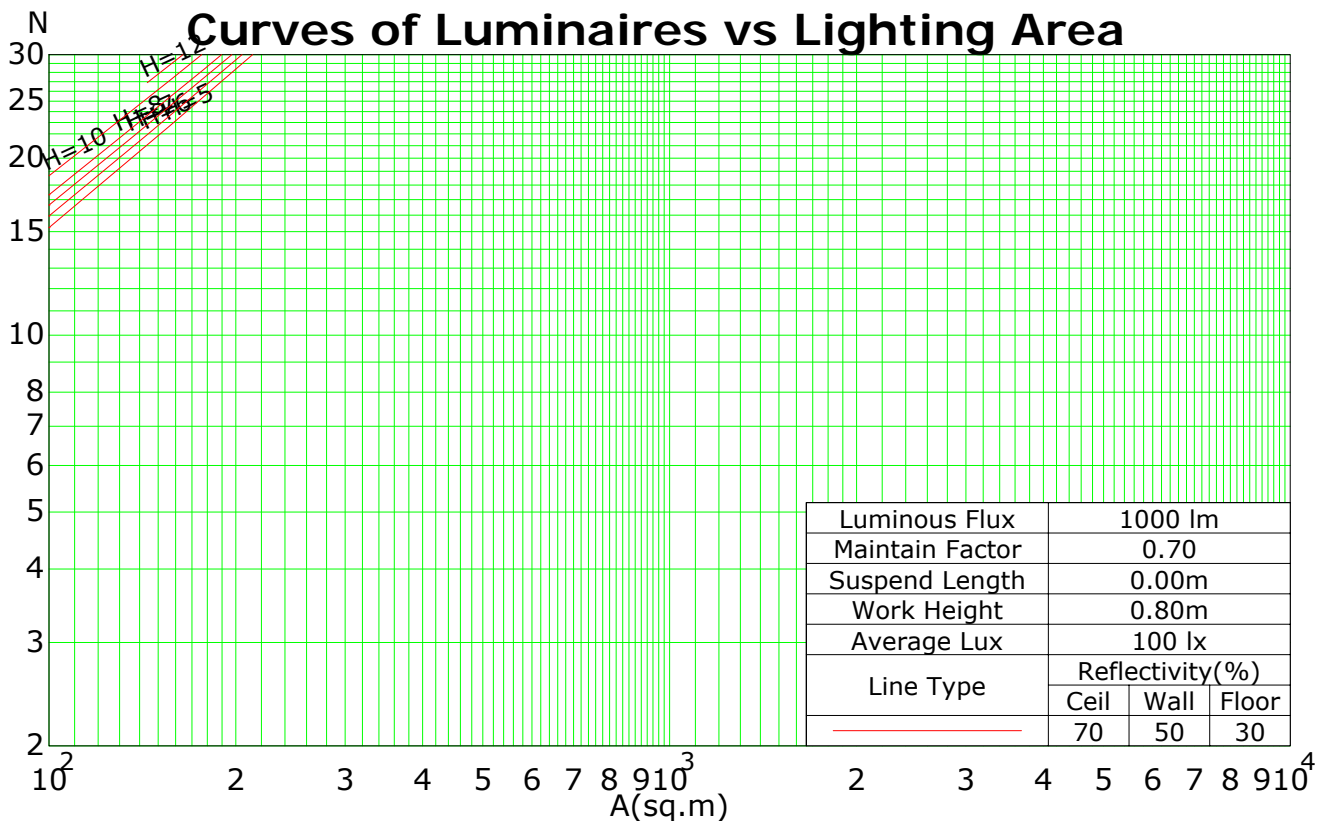
C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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	111	111	111	106	106	106	101	101	101	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	97	96	95
2	110	106	103	100	108	104	101	99	101	98	96	98	96	94	95	93	92	90
3	106	101	97	93	104	99	95	93	96	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	91	87	93	89	86	91	88	85	89	86	84	83
5	98	92	87	83	97	91	86	83	89	85	82	87	84	82	86	83	81	79
6	95	88	83	80	93	87	83	79	85	82	79	84	81	78	83	80	78	76
7	92	84	79	76	90	84	79	76	82	78	75	81	78	75	80	77	75	73
8	89	81	76	73	87	80	76	73	79	75	73	78	75	72	78	74	72	71
9	86	78	73	70	85	78	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	71	68	82	75	71	68	74	70	68	73	70	67	73	70	67	66

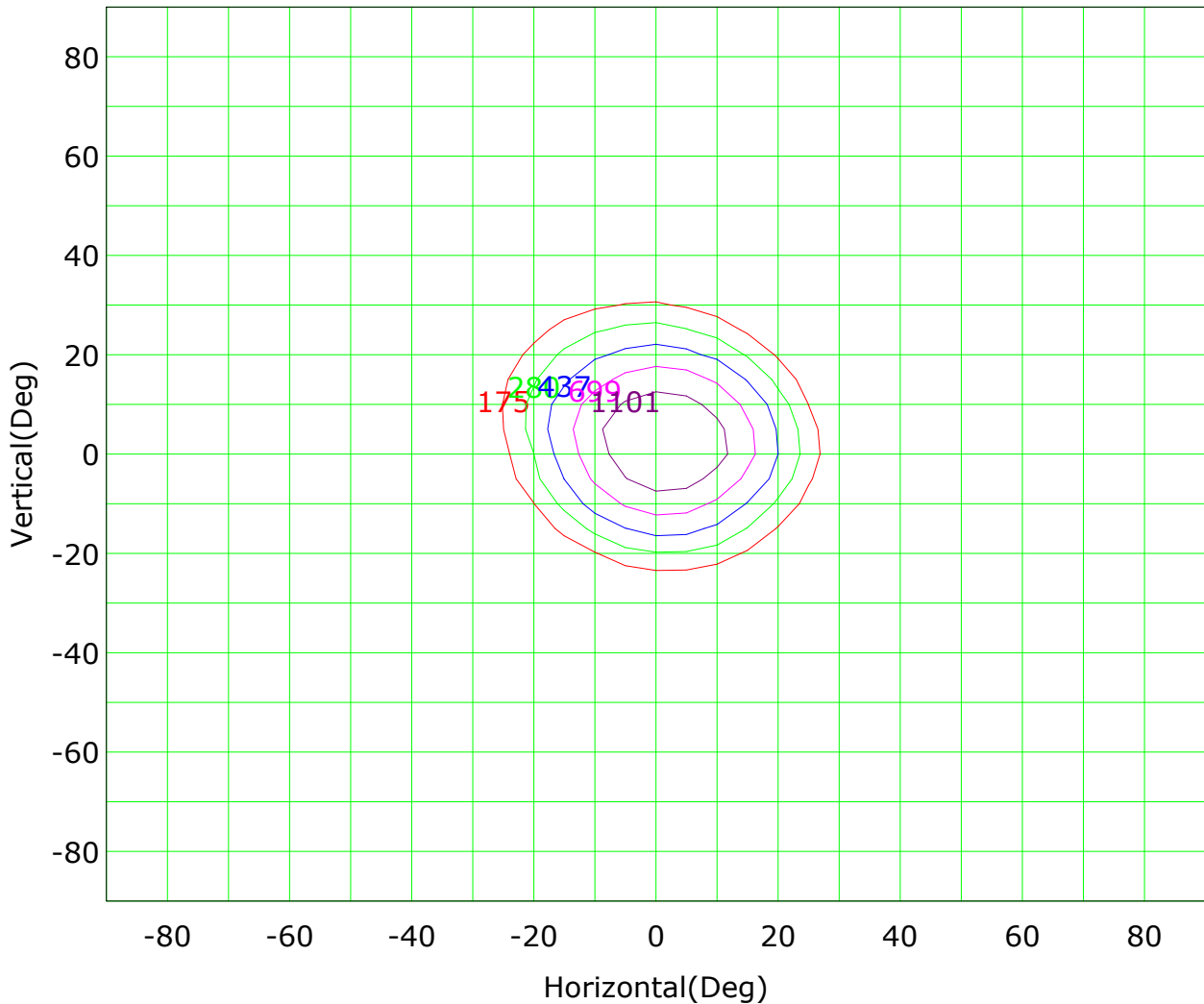
Spacing Criteria (0-180): 0.43  
 Spacing Criteria (90-270): 0.44  
 Spacing Criteria (Diagonal): 0.46



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)



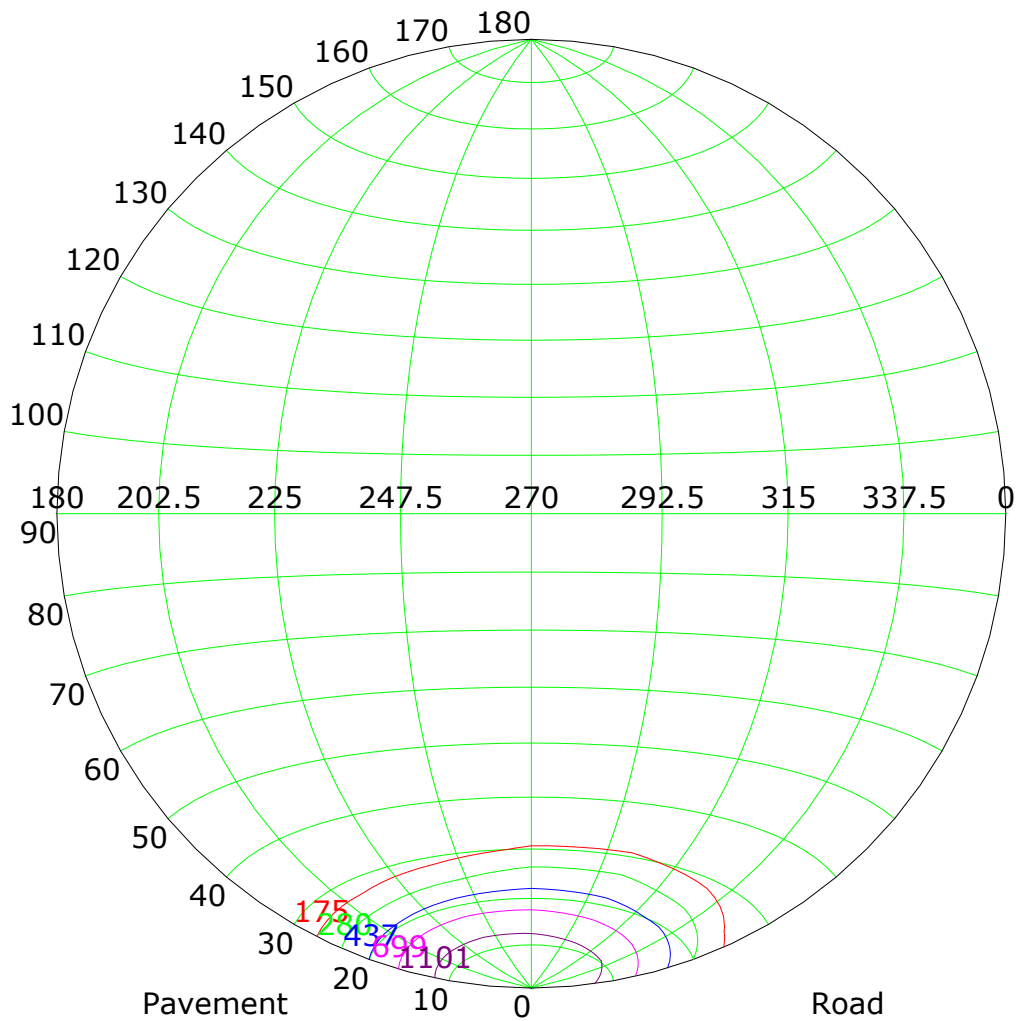
Imax (100%): 1747 cd

— ( 10%): 175 cd	— ( 16%): 280 cd
— ( 25%): 437 cd	— ( 40%): 699 cd
— ( 63%): 1101 cd	— (100%): 1747 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)



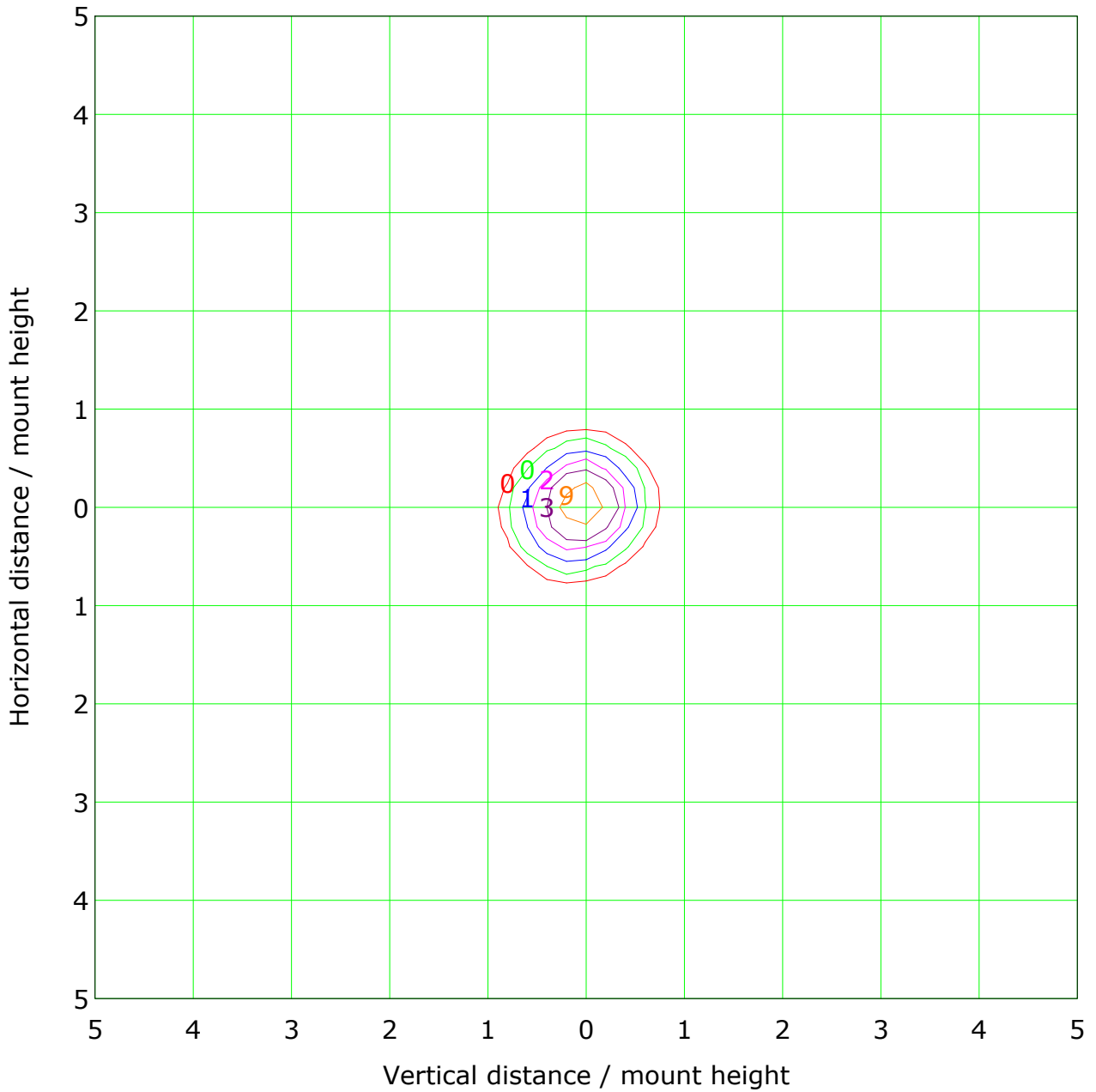
Imax (100%): 1747 cd

- |                   |                   |
|-------------------|-------------------|
| — ( 10%): 175 cd  | — ( 16%): 280 cd  |
| — ( 25%): 437 cd  | — ( 40%): 699 cd  |
| — ( 63%): 1101 cd | — (100%): 1747 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



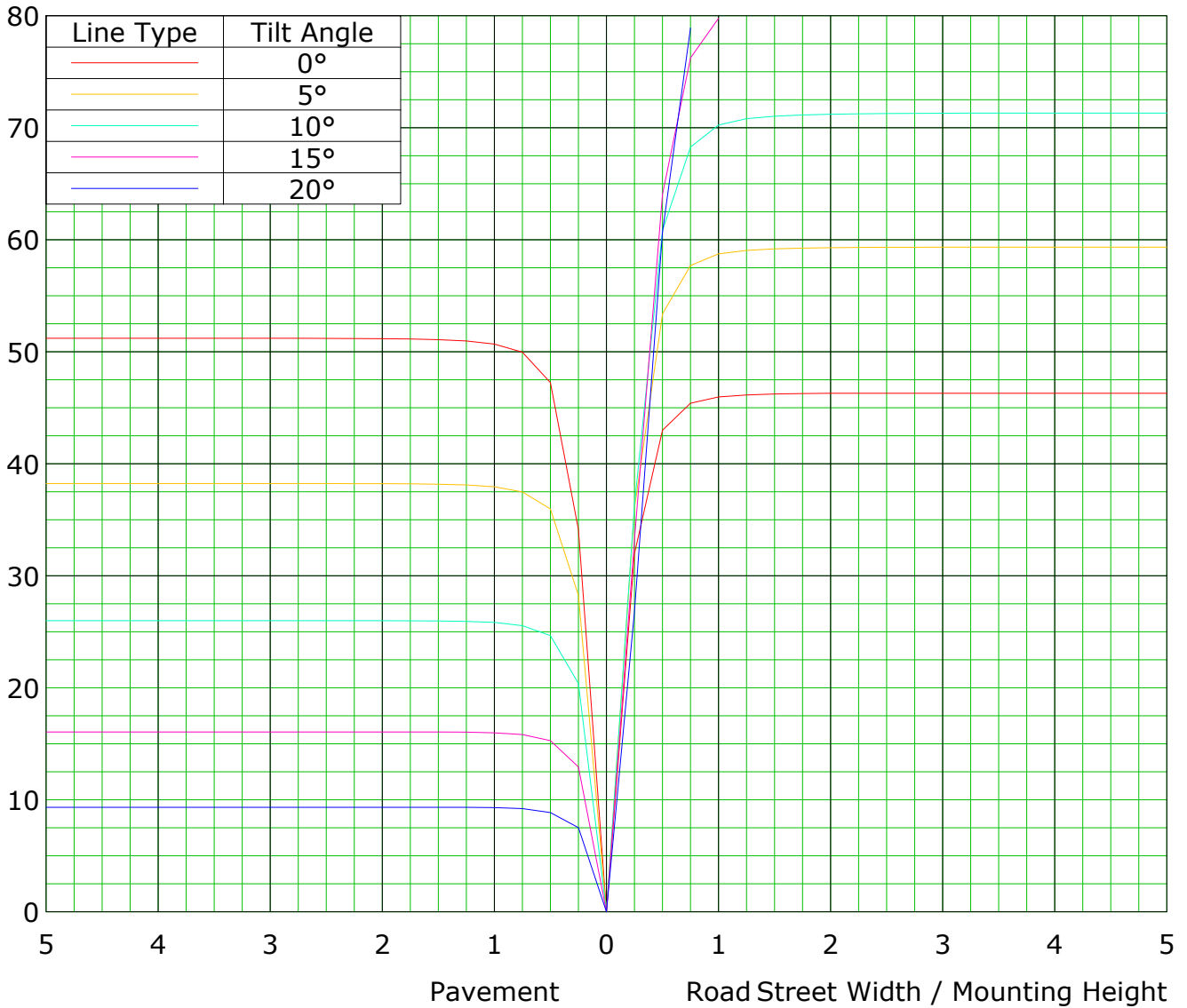
Mounting Height: 10.0m		Max Lux(100%): 17.4 lx	
— ( 1%):	0.2 lx	— ( 2%):	0.3 lx
— ( 5%):	0.9 lx	— (10%):	1.7 lx
— (20%):	3.5 lx	— (50%):	8.7 lx
— (100%):	17.4 lx		

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:

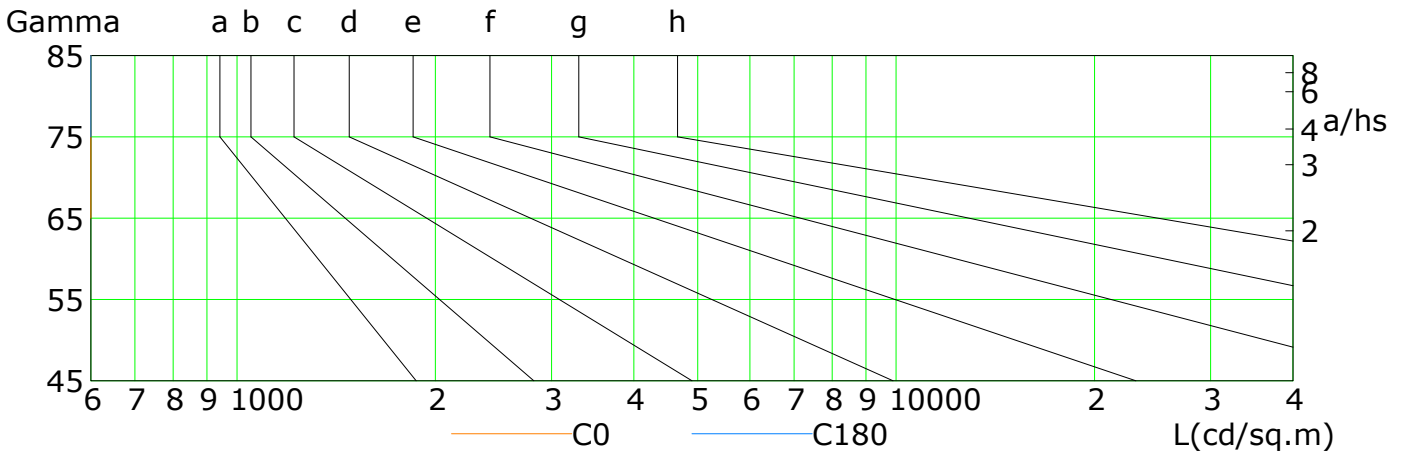
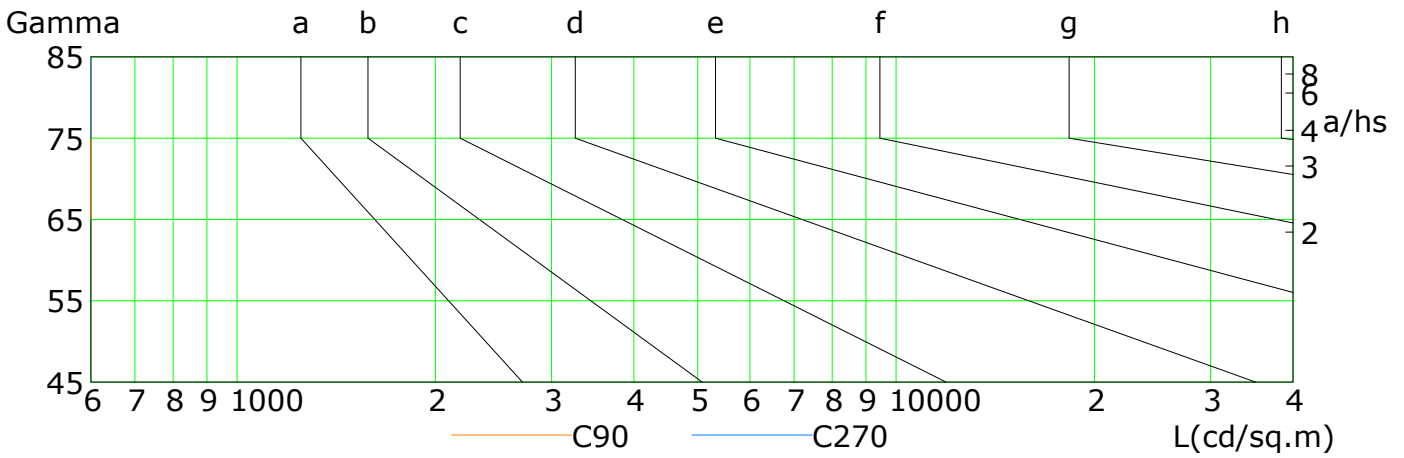
Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 11.573 m [K=1.0000]  
 Humidity:  
 Inspector:



## 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	9	5	3	2	0	0	0	0	0
C90	13	6	3	2	0	0	0	0	0
C180	19	11	6	3	2	1	0	0	0
C270	20	11	7	5	3	1	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

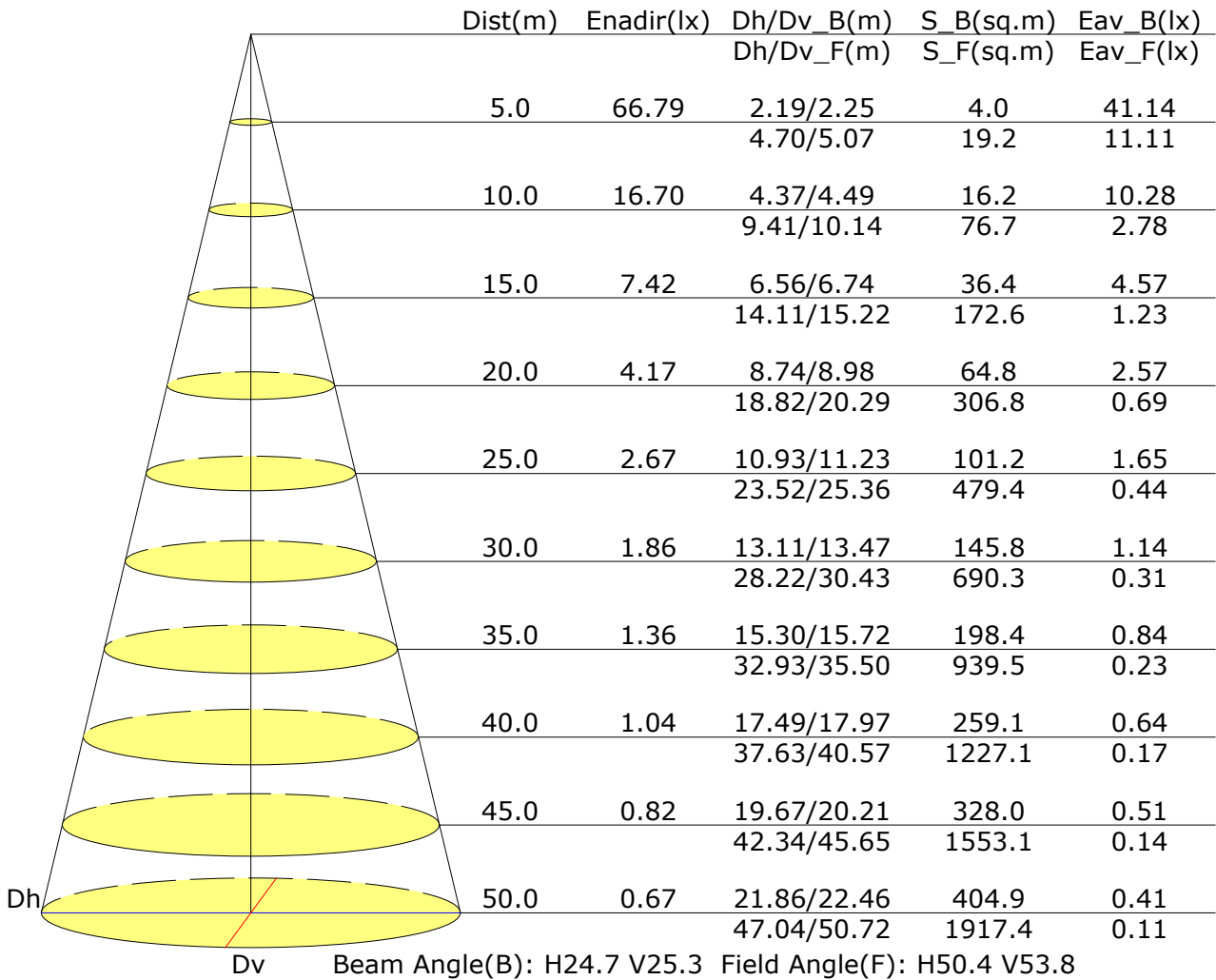
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

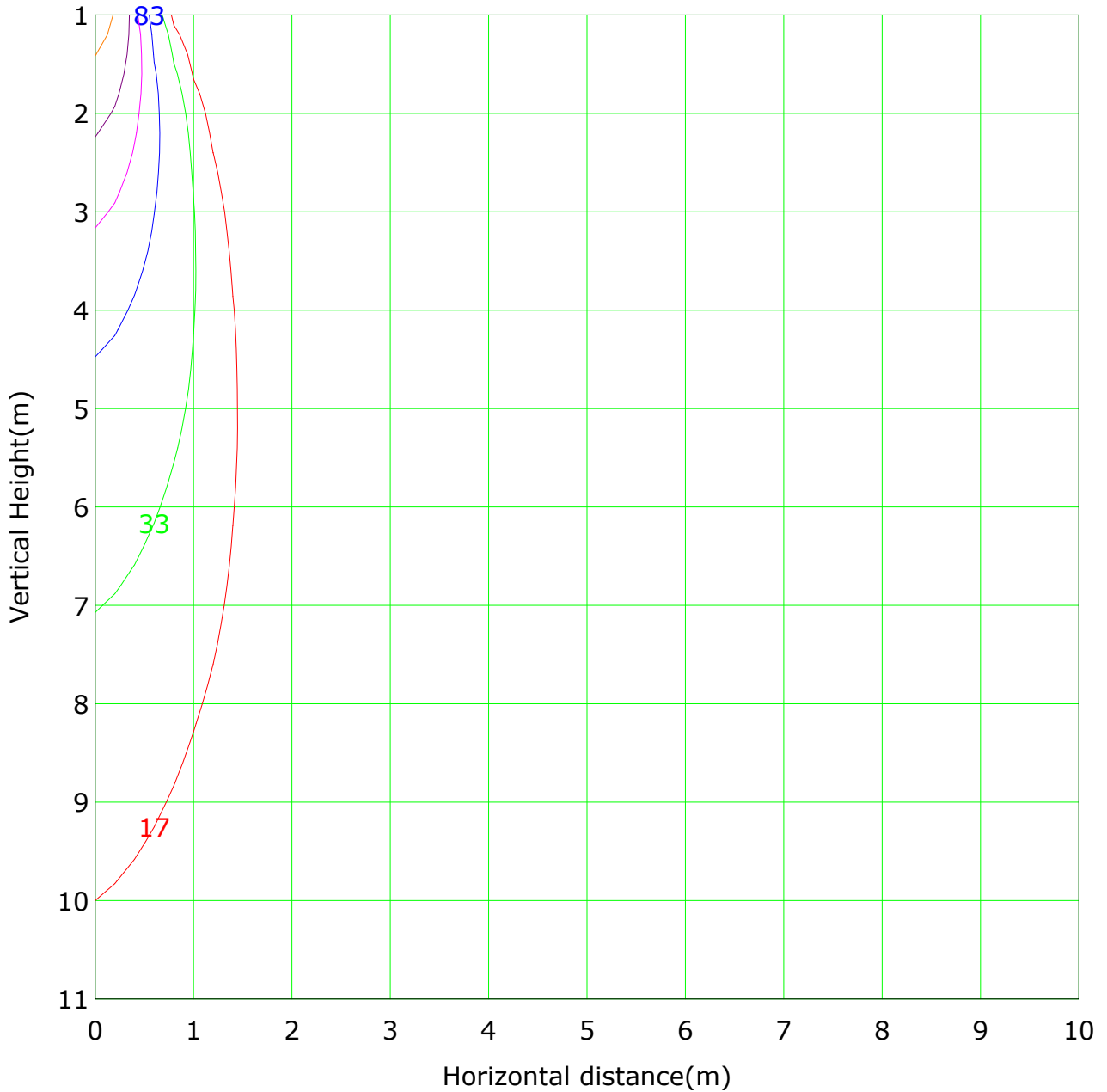
## Illuminance at a Distance



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: 1669.8 lx

— ( 1%): 16.7 lx	— ( 2%): 33.4 lx
— ( 5%): 83.5 lx	— ( 10%): 167.0 lx
— ( 20%): 334.0 lx	— ( 50%): 834.9 lx
— (100%):1669.8 lx	

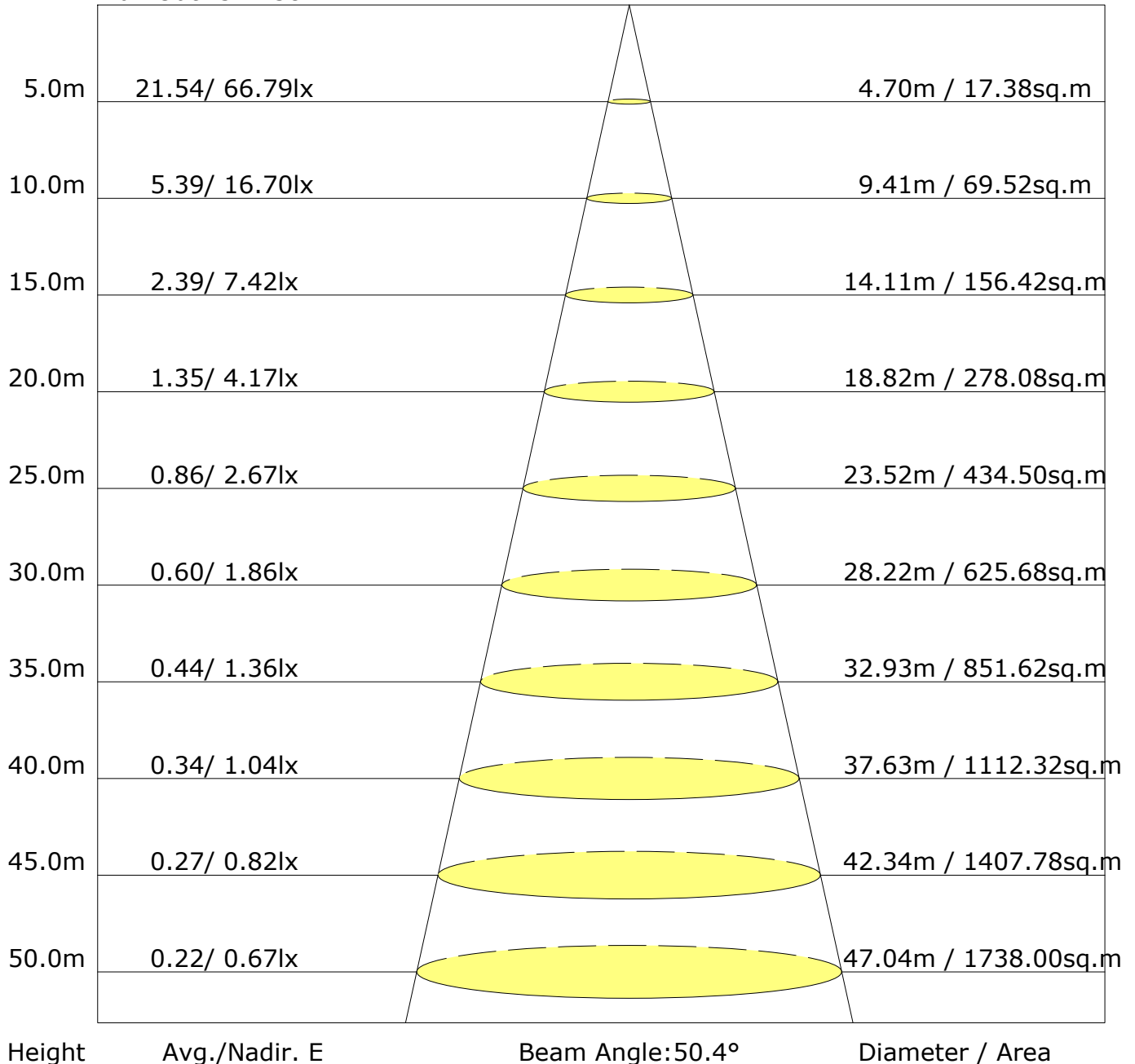
C Plane (°):0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

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



## The Average Illuminance Effective Figure

Flux Out: 374.38lm



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										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with 468lm ( $8\log(F/F_0) = -2.6$ ).

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:

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**

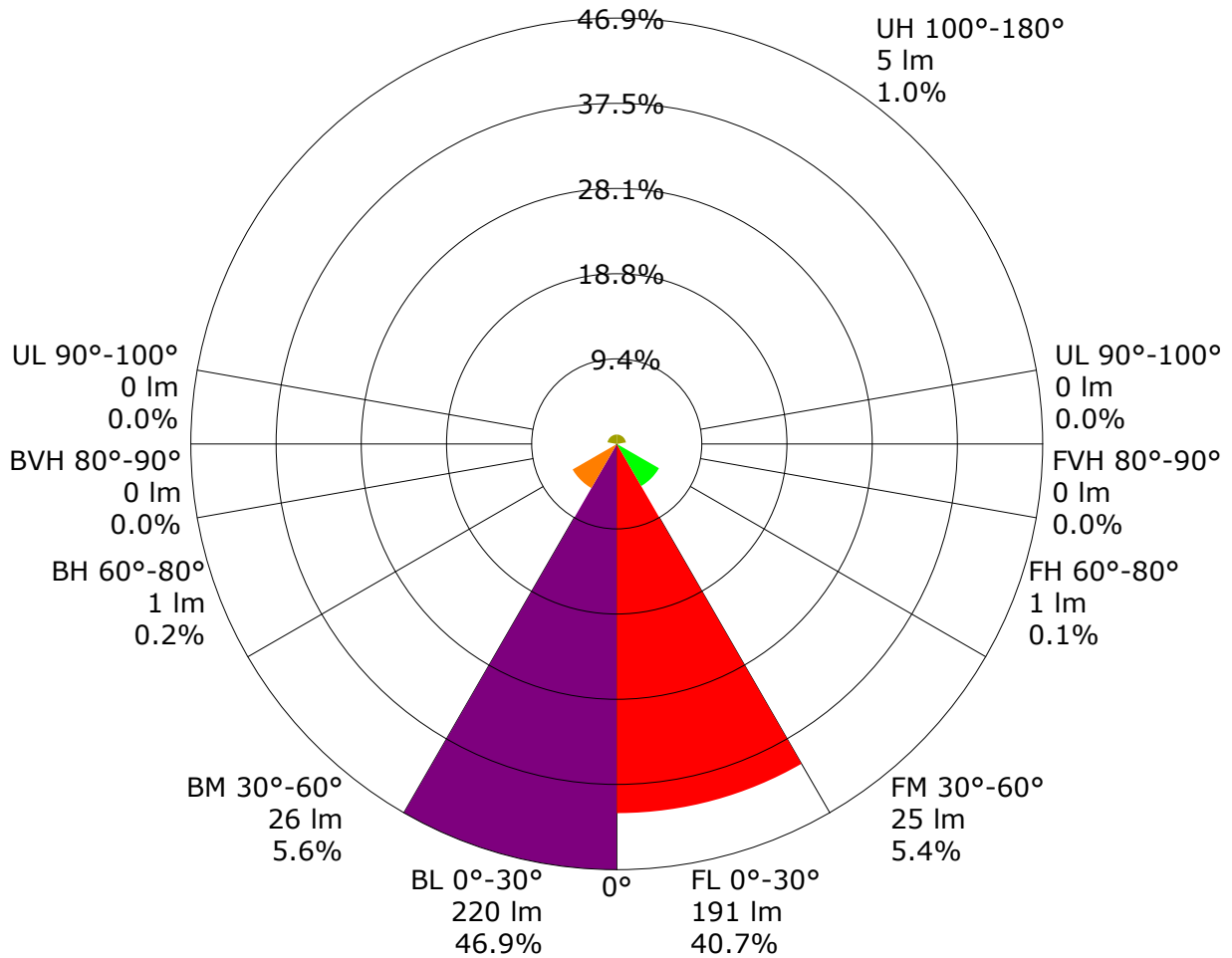
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	216	46.2
	FL ( 0°-30°)	191	40.7
	FM (30°-60°)	25	5.4
	FH (60°-80°)	1	0.1
	FVH (80°-90°)	0	0.0
	BACK LIGHT	247	52.7
	BL ( 0°-30°)	220	46.9
	BM (30°-60°)	26	5.6
	BH (60°-80°)	1	0.2
	BVH (80°-90°)	0	0.0
	UP LIGHT	5	1.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	5	1.0
	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  
 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 = 0.50									
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	0.91	0.96	1.00	1.03	1.06	1.09	1.10	1.12	1.14	
	0.30		0.86	0.92	0.96	0.99	1.03	1.06	1.08	1.10	1.12	
	0.20		0.83	0.89	0.93	0.96	1.01	1.04	1.06	1.08	1.10	
0.50	0.50	0.20	0.89	0.95	0.98	1.00	1.03	1.05	1.07	1.08	1.09	
	0.30		0.86	0.91	0.95	0.97	1.01	1.03	1.05	1.07	1.08	
	0.20		0.83	0.88	0.92	0.95	0.99	1.01	1.03	1.05	1.07	
0.30	0.50	0.20	0.88	0.93	0.96	0.98	1.01	1.02	1.03	1.05	1.05	
	0.30		0.85	0.90	0.93	0.96	0.99	1.00	1.02	1.03	1.04	
	0.20		0.82	0.88	0.91	0.94	0.97	0.99	1.00	1.02	1.03	
0.00	0.00	0.00	0.81	0.86	0.89	0.91	0.94	0.95	0.96	0.98	0.99	
<p>Rating:8W 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 = 0.50								
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	0.53	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.30		0.44	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10
	0.20		0.38	0.32	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.50	0.50	0.20	0.50	0.40	0.33	0.29	0.22	0.23	0.16	0.12	0.10
	0.30		0.42	0.35	0.29	0.26	0.20	0.17	0.15	0.11	0.09
	0.20		0.37	0.31	0.26	0.23	0.19	0.16	0.14	0.11	0.09
0.30	0.50	0.20	0.48	0.37	0.31	0.26	0.20	0.17	0.14	0.11	0.09
	0.30		0.41	0.33	0.28	0.24	0.19	0.16	0.13	0.10	0.08
	0.20		0.36	0.29	0.25	0.22	0.18	0.15	0.13	0.10	0.08
0.00	0.00	0.00	0.21	0.16	0.13	0.11	0.08	0.07	0.06	0.04	0.03
<p>Rating:8W 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 = 0.50									
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	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.09	0.11	0.12	0.15	0.16	0.17	0.19	0.20	
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	0.16	0.17	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	0.16	0.17	0.18	0.19	0.19	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19	
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:8W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1675.3	1.6	1.6	0.34	0.34
1.0-2.0	1658.9	4.8	6.4	1.02	1.36
2.0-3.0	1629.1	7.8	14.2	1.66	3.02
3.0-4.0	1584.6	10.6	24.8	2.27	5.29
4.0-5.0	1526.3	13.1	37.9	2.81	8.10
5.0-6.0	1458.8	15.3	53.2	3.28	11.37
6.0-7.0	1384.1	17.2	70.4	3.67	15.04
7.0-8.0	1303.5	18.7	89.1	3.99	19.03
8.0-9.0	1216.8	19.7	108.8	4.21	23.24
9.0-10.0	1127.1	20.4	129.2	4.36	27.60
10.0-11.0	1038.5	20.8	149.9	4.43	32.04
11.0-12.0	953.7	20.9	170.8	4.45	36.49
12.0-13.0	871.1	20.7	191.5	4.42	40.91
13.0-14.0	789.3	20.2	211.7	4.32	45.22
14.0-15.0	711.9	19.5	231.2	4.18	49.40
15.0-16.0	639.2	18.7	250.0	4.00	53.40
16.0-17.0	570.5	17.8	267.7	3.80	57.20
17.0-18.0	506.9	16.7	284.4	3.57	60.77
18.0-19.0	448.7	15.6	300.1	3.34	64.10
19.0-20.0	397.4	14.5	314.6	3.11	67.21
20.0-21.0	352.2	13.5	328.1	2.89	70.10
21.0-22.0	311.6	12.5	340.6	2.68	72.78
22.0-23.0	275.5	11.6	352.2	2.47	75.25
23.0-24.0	243.1	10.6	362.8	2.27	77.52
24.0-25.0	214.8	9.8	372.6	2.09	79.61
25.0-26.0	189.7	9.0	381.6	1.91	81.52
26.0-27.0	167.2	8.2	389.7	1.75	83.27
27.0-28.0	147.0	7.4	397.2	1.59	84.86
28.0-29.0	129.0	6.8	403.9	1.44	86.30
29.0-30.0	113.3	6.1	410.1	1.31	87.61
30.0-31.0	99.5	5.5	415.6	1.18	88.79
31.0-32.0	87.3	5.0	420.6	1.07	89.86
32.0-33.0	76.4	4.5	425.1	0.96	90.82
33.0-34.0	66.7	4.0	429.1	0.86	91.68
34.0-35.0	58.3	3.6	432.8	0.77	92.46
35.0-36.0	50.8	3.2	436.0	0.69	93.15

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	44.2	2.9	438.9	0.62	93.76
37.0-38.0	38.4	2.6	441.4	0.55	94.31
38.0-39.0	33.4	2.3	443.7	0.49	94.80
39.0-40.0	29.2	2.0	445.7	0.43	95.23
40.0-41.0	25.5	1.8	447.6	0.39	95.62
41.0-42.0	22.3	1.6	449.2	0.35	95.97
42.0-43.0	19.6	1.5	450.6	0.31	96.28
43.0-44.0	17.4	1.3	452.0	0.28	96.56
44.0-45.0	15.4	1.2	453.1	0.25	96.81
45.0-46.0	13.6	1.1	454.2	0.23	97.04
46.0-47.0	12.1	1.0	455.2	0.21	97.24
47.0-48.0	10.7	0.9	456.0	0.19	97.43
48.0-49.0	9.5	0.8	456.8	0.17	97.59
49.0-50.0	8.3	0.7	457.5	0.15	97.74
50.0-51.0	7.4	0.6	458.1	0.13	97.88
51.0-52.0	6.5	0.6	458.7	0.12	98.00
52.0-53.0	5.9	0.5	459.2	0.11	98.10
53.0-54.0	5.3	0.5	459.7	0.10	98.20
54.0-55.0	4.8	0.4	460.1	0.09	98.29
55.0-56.0	4.3	0.4	460.5	0.08	98.38
56.0-57.0	4.0	0.4	460.8	0.08	98.46
57.0-58.0	3.6	0.3	461.2	0.07	98.53
58.0-59.0	3.3	0.3	461.5	0.07	98.59
59.0-60.0	3.0	0.3	461.8	0.06	98.65
60.0-61.0	2.7	0.3	462.0	0.06	98.71
61.0-62.0	2.5	0.2	462.3	0.05	98.76
62.0-63.0	2.2	0.2	462.5	0.04	98.80
63.0-64.0	1.8	0.2	462.6	0.04	98.84
64.0-65.0	1.5	0.1	462.8	0.03	98.87
65.0-66.0	1.2	0.1	462.9	0.03	98.90
66.0-67.0	0.9	0.1	463.0	0.02	98.92
67.0-68.0	0.7	0.1	463.1	0.01	98.93
68.0-69.0	0.5	0.1	463.1	0.01	98.94
69.0-70.0	0.4	0.0	463.2	0.01	98.95
70.0-71.0	0.2	0.0	463.2	0.00	98.96
71.0-72.0	0.1	0.0	463.2	0.00	98.96

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	0.1	0.0	463.2	0.00	98.96
73.0-74.0	0.1	0.0	463.2	0.00	98.96
74.0-75.0	0.0	0.0	463.2	0.00	98.96
75.0-76.0	0.0	0.0	463.2	0.00	98.96
76.0-77.0	0.0	0.0	463.2	0.00	98.96
77.0-78.0	0.0	0.0	463.2	0.00	98.96
78.0-79.0	0.0	0.0	463.2	0.00	98.96
79.0-80.0	0.0	0.0	463.2	0.00	98.96
80.0-81.0	0.0	0.0	463.2	0.00	98.96
81.0-82.0	0.0	0.0	463.2	0.00	98.96
82.0-83.0	0.0	0.0	463.2	0.00	98.96
83.0-84.0	0.0	0.0	463.2	0.00	98.96
84.0-85.0	0.0	0.0	463.2	0.00	98.96
85.0-86.0	0.0	0.0	463.2	0.00	98.96
86.0-87.0	0.0	0.0	463.2	0.00	98.96
87.0-88.0	0.0	0.0	463.2	0.00	98.96
88.0-89.0	0.0	0.0	463.2	0.00	98.96
89.0-90.0	0.0	0.0	463.2	0.00	98.96
90.0-91.0	0.0	0.0	463.2	0.00	98.96
91.0-92.0	0.0	0.0	463.2	0.00	98.96
92.0-93.0	0.0	0.0	463.2	0.00	98.96
93.0-94.0	0.0	0.0	463.2	0.00	98.96
94.0-95.0	0.0	0.0	463.2	0.00	98.96
95.0-96.0	0.0	0.0	463.2	0.00	98.96
96.0-97.0	0.0	0.0	463.2	0.00	98.96
97.0-98.0	0.0	0.0	463.2	0.00	98.96
98.0-99.0	0.0	0.0	463.2	0.00	98.96
99.0-100.0	0.0	0.0	463.2	0.00	98.96
100.0-101.0	0.0	0.0	463.2	0.00	98.96
101.0-102.0	0.0	0.0	463.2	0.00	98.96
102.0-103.0	0.0	0.0	463.2	0.00	98.96
103.0-104.0	0.0	0.0	463.2	0.00	98.96
104.0-105.0	0.0	0.0	463.2	0.00	98.96
105.0-106.0	0.0	0.0	463.2	0.00	98.96
106.0-107.0	0.0	0.0	463.2	0.00	98.96
107.0-108.0	0.0	0.0	463.2	0.00	98.96

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	463.2	0.00	98.96
109.0-110.0	0.0	0.0	463.2	0.00	98.96
110.0-111.0	0.0	0.0	463.2	0.00	98.96
111.0-112.0	0.0	0.0	463.2	0.00	98.96
112.0-113.0	0.0	0.0	463.2	0.00	98.96
113.0-114.0	0.0	0.0	463.2	0.00	98.96
114.0-115.0	0.0	0.0	463.2	0.00	98.96
115.0-116.0	0.0	0.0	463.2	0.00	98.96
116.0-117.0	0.0	0.0	463.2	0.00	98.96
117.0-118.0	0.0	0.0	463.2	0.00	98.96
118.0-119.0	0.0	0.0	463.2	0.00	98.96
119.0-120.0	0.0	0.0	463.2	0.00	98.96
120.0-121.0	0.0	0.0	463.2	0.00	98.96
121.0-122.0	0.0	0.0	463.2	0.00	98.96
122.0-123.0	0.0	0.0	463.2	0.00	98.96
123.0-124.0	0.0	0.0	463.2	0.00	98.96
124.0-125.0	0.0	0.0	463.2	0.00	98.96
125.0-126.0	0.0	0.0	463.2	0.00	98.96
126.0-127.0	0.0	0.0	463.2	0.00	98.96
127.0-128.0	0.0	0.0	463.2	0.00	98.96
128.0-129.0	0.0	0.0	463.2	0.00	98.96
129.0-130.0	0.0	0.0	463.2	0.00	98.96
130.0-131.0	0.1	0.0	463.2	0.00	98.97
131.0-132.0	0.1	0.0	463.2	0.00	98.97
132.0-133.0	0.1	0.0	463.2	0.00	98.97
133.0-134.0	0.1	0.0	463.3	0.00	98.97
134.0-135.0	0.3	0.0	463.3	0.00	98.98
135.0-136.0	0.5	0.0	463.3	0.01	98.98
136.0-137.0	0.7	0.1	463.4	0.01	98.99
137.0-138.0	0.7	0.1	463.4	0.01	99.01
138.0-139.0	0.8	0.1	463.5	0.01	99.02
139.0-140.0	1.0	0.1	463.5	0.01	99.03
140.0-141.0	1.2	0.1	463.6	0.02	99.05
141.0-142.0	1.4	0.1	463.7	0.02	99.07
142.0-143.0	1.6	0.1	463.8	0.02	99.09
143.0-144.0	1.8	0.1	463.9	0.02	99.12

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.9	0.1	464.1	0.03	99.14
145.0-146.0	2.1	0.1	464.2	0.03	99.17
146.0-147.0	2.2	0.1	464.3	0.03	99.20
147.0-148.0	2.4	0.1	464.5	0.03	99.23
148.0-149.0	2.6	0.1	464.6	0.03	99.26
149.0-150.0	2.7	0.2	464.8	0.03	99.29
150.0-151.0	2.9	0.2	464.9	0.03	99.33
151.0-152.0	3.1	0.2	465.1	0.03	99.36
152.0-153.0	3.2	0.2	465.2	0.03	99.40
153.0-154.0	3.3	0.2	465.4	0.04	99.43
154.0-155.0	3.5	0.2	465.6	0.04	99.47
155.0-156.0	3.6	0.2	465.7	0.04	99.50
156.0-157.0	3.7	0.2	465.9	0.03	99.54
157.0-158.0	3.9	0.2	466.1	0.03	99.57
158.0-159.0	4.0	0.2	466.2	0.03	99.61
159.0-160.0	4.1	0.2	466.4	0.03	99.64
160.0-161.0	4.2	0.2	466.5	0.03	99.67
161.0-162.0	4.3	0.1	466.7	0.03	99.70
162.0-163.0	4.3	0.1	466.8	0.03	99.73
163.0-164.0	4.4	0.1	467.0	0.03	99.76
164.0-165.0	4.5	0.1	467.1	0.03	99.79
165.0-166.0	4.5	0.1	467.2	0.03	99.82
166.0-167.0	4.5	0.1	467.3	0.02	99.84
167.0-168.0	4.6	0.1	467.4	0.02	99.87
168.0-169.0	4.6	0.1	467.5	0.02	99.89
169.0-170.0	4.5	0.1	467.6	0.02	99.91
170.0-171.0	4.6	0.1	467.7	0.02	99.92
171.0-172.0	4.6	0.1	467.8	0.02	99.94
172.0-173.0	4.6	0.1	467.9	0.01	99.95
173.0-174.0	4.6	0.1	467.9	0.01	99.97
174.0-175.0	4.6	0.0	468.0	0.01	99.98
175.0-176.0	4.6	0.0	468.0	0.01	99.98
176.0-177.0	4.6	0.0	468.0	0.01	99.99
177.0-178.0	4.6	0.0	468.0	0.00	100.00
178.0-179.0	4.6	0.0	468.1	0.00	100.00
179.0-180.0	4.6	0.0	468.1	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	1669.8	1665.4	1666.6	1676.8	1690.4	1708.5	1669.8	1665.4	1666.6	1676.8
G1.0	1623.6	1607.9	1610.0	1630.9	1653.6	1688.8	1705.3	1705.7	1713.5	1711.1
G2.0	1561.6	1540.7	1544.1	1569.6	1609.3	1660.2	1715.9	1728.0	1735.8	1727.7
G3.0	1494.7	1462.2	1468.9	1510.6	1559.2	1614.6	1710.5	1738.8	1747.2	1718.8
G4.0	1411.1	1370.5	1372.9	1423.5	1493.9	1558.9	1684.1	1727.5	1726.4	1693.2
G5.0	1328.2	1279.4	1280.7	1336.9	1414.7	1495.8	1645.4	1688.3	1689.2	1659.8
G6.0	1242.9	1180.2	1188.5	1247.7	1321.9	1413.6	1595.3	1637.7	1652.1	1615.2
G7.0	1151.9	1088.9	1093.1	1152.6	1234.6	1327.8	1529.5	1586.3	1601.3	1553.2
G8.0	1066.2	1003.0	995.6	1058.0	1140.9	1239.8	1453.7	1514.1	1525.6	1472.9
G9.0	985.9	906.2	898.2	954.2	1043.7	1139.0	1363.3	1428.0	1437.9	1394.5
G10.0	901.4	828.3	815.3	861.1	939.7	1040.4	1269.6	1328.9	1341.7	1311.2
G11.0	810.7	749.2	738.7	775.9	844.8	944.4	1168.1	1231.5	1254.2	1228.7
G12.0	731.8	669.4	664.4	706.0	763.9	847.0	1073.6	1137.4	1170.3	1154.9
G13.0	652.2	588.8	588.8	632.5	690.2	754.0	964.8	1045.2	1093.0	1079.2
G14.0	583.1	522.5	522.5	567.2	619.3	681.6	873.0	948.1	998.3	981.1
G15.0	518.1	463.5	461.3	505.0	560.0	614.6	789.0	858.5	910.2	892.9
G16.0	455.2	408.5	405.5	447.8	499.3	548.4	708.8	769.7	822.4	807.9
G17.0	404.4	357.5	356.9	391.6	441.8	481.4	627.7	685.3	738.4	727.5
G18.0	357.7	308.4	308.3	346.6	390.3	426.7	559.0	606.6	654.1	652.3
G19.0	317.6	268.5	268.8	305.6	340.8	375.6	497.5	529.9	572.0	579.8
G20.0	278.9	234.3	234.7	269.1	301.3	331.6	437.1	464.8	506.3	522.2
G21.0	245.4	203.2	202.8	235.0	264.0	288.5	377.7	407.5	447.7	472.6
G22.0	216.8	172.8	172.3	202.3	232.6	253.1	330.7	355.4	395.5	428.1
G23.0	188.9	149.6	148.5	175.7	200.7	220.1	288.7	308.2	350.1	388.0
G24.0	166.8	129.3	128.0	152.3	176.0	192.1	251.5	263.9	305.4	350.2
G25.0	147.1	112.1	110.8	132.0	154.5	164.3	219.0	229.2	270.2	317.7
G26.0	128.8	96.0	94.9	112.9	133.2	143.0	187.5	198.4	238.2	288.1
G27.0	113.4	83.4	82.2	98.1	116.1	123.9	161.0	171.8	209.1	260.2
G28.0	99.0	72.5	71.8	85.4	101.5	107.7	138.0	146.0	181.3	231.9
G29.0	85.9	63.0	62.7	74.7	88.2	92.7	118.9	126.7	158.8	208.0
G30.0	74.9	53.9	54.5	64.7	77.2	80.7	101.7	109.7	138.7	186.1
G31.0	65.1	46.7	48.0	56.8	66.9	70.9	89.0	95.4	120.9	165.9
G32.0	55.1	41.0	42.6	50.3	58.9	62.3	78.3	83.1	105.6	146.8
G33.0	47.9	35.7	38.0	44.7	51.7	54.2	68.9	71.4	90.5	128.0
G34.0	41.4	30.9	33.8	39.4	45.7	47.4	59.6	62.6	78.7	112.6
G35.0	35.4	27.2	30.5	35.4	40.2	41.8	51.9	54.6	68.7	98.2
G36.0	30.3	24.0	27.7	31.7	35.7	37.1	45.4	47.5	59.6	85.3

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 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	25.9	21.4	25.2	28.8	31.8	33.0	39.8	40.5	50.6	72.4
G38.0	22.2	18.9	22.9	25.5	28.4	29.4	35.4	35.4	43.7	62.0
G39.0	18.8	16.9	20.9	23.0	25.2	26.5	31.3	30.8	37.4	53.2
G40.0	16.1	15.2	19.1	20.7	22.6	23.9	28.3	27.1	32.2	45.7
G41.0	13.9	13.6	17.3	18.9	20.4	21.6	25.9	23.8	27.3	38.2
G42.0	12.2	11.9	16.0	16.8	18.6	19.5	23.6	21.2	23.6	32.7
G43.0	10.7	10.9	14.6	15.2	16.8	17.8	21.4	19.2	20.4	27.9
G44.0	9.6	9.9	13.2	13.8	15.0	16.5	19.9	17.6	17.7	24.1
G45.0	8.6	8.8	11.9	12.5	13.6	14.8	18.5	15.6	15.2	20.4
G46.0	7.6	7.7	10.7	11.3	12.3	13.5	17.1	14.2	13.3	17.8
G47.0	6.8	6.8	9.4	10.1	11.0	12.1	15.5	13.0	11.7	15.5
G48.0	6.0	5.8	7.8	9.2	10.0	11.1	14.0	11.6	10.4	13.6
G49.0	5.3	5.0	6.6	8.0	8.9	10.0	12.5	10.3	9.2	11.9
G50.0	5.0	4.4	5.5	6.3	8.0	8.9	10.9	8.8	8.3	10.6
G51.0	4.7	3.9	4.6	5.4	6.9	7.9	9.3	7.7	7.6	9.6
G52.0	4.2	3.7	4.0	4.6	5.3	7.1	8.2	6.8	7.0	8.8
G53.0	3.9	3.3	3.6	4.2	4.5	6.2	7.3	5.9	6.2	8.2
G54.0	3.6	3.0	3.3	3.7	4.1	4.8	6.6	5.3	5.4	7.6
G55.0	3.2	2.6	2.8	3.3	3.7	4.2	5.9	4.8	5.0	7.0
G56.0	3.1	2.3	2.6	2.9	3.3	3.8	5.2	4.5	4.7	6.3
G57.0	2.9	2.1	2.2	2.5	2.9	3.4	4.7	4.1	4.6	5.6
G58.0	2.5	1.9	1.8	2.1	2.6	3.1	4.0	3.6	4.0	5.2
G59.0	2.3	1.7	1.6	1.8	2.3	2.8	3.6	3.5	3.6	4.9
G60.0	2.2	1.6	1.5	1.7	2.1	2.6	3.3	3.0	3.3	4.6
G61.0	1.8	1.6	1.5	1.7	1.8	2.3	3.0	2.6	2.8	4.4
G62.0	1.6	1.4	1.2	1.2	1.7	2.1	2.6	2.3	2.5	4.0
G63.0	1.2	1.3	1.0	1.0	1.4	1.8	2.3	2.1	2.3	3.8
G64.0	0.0	1.3	0.0	0.0	1.3	1.7	2.0	1.9	2.3	3.3
G65.0	0.0	1.1	0.0	0.0	1.2	1.6	1.8	1.8	2.0	3.0
G66.0	0.0	1.0	0.0	0.0	1.0	1.3	1.7	1.6	1.9	2.6
G67.0	0.0	1.0	0.0	0.0	0.0	1.1	1.6	1.5	1.7	1.9
G68.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.4	1.4	1.4
G69.0	0.0	1.0	0.0	0.0	0.0	0.0	1.5	1.2	1.1	1.2
G70.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.0	0.0	1.0
G71.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
G72.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
G73.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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 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	0.0	0.0	1.0	0.0	0.0	0.0
G75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G77.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G78.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G132.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G133.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G134.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.1	0.0
G135.0	0.0	1.2	1.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0
G136.0	1.0	1.3	1.5	1.1	0.0	1.1	0.0	0.0	1.1	0.0
G137.0	1.0	1.5	1.7	1.1	1.1	1.3	0.0	0.0	1.2	0.0
G138.0	0.0	1.6	1.7	1.2	1.3	1.4	0.0	0.0	1.3	0.0
G139.0	1.0	1.7	1.8	1.4	1.3	1.4	0.0	0.0	1.2	0.0
G140.0	1.4	1.9	2.0	1.5	1.4	1.5	1.0	0.0	1.2	1.0
G141.0	1.4	2.0	2.1	1.6	1.6	1.7	1.1	0.0	1.3	1.1
G142.0	1.7	2.1	2.3	1.9	1.7	1.8	1.2	1.0	1.6	1.3
G143.0	1.8	2.2	2.5	2.1	1.9	2.0	1.4	1.0	1.8	1.3
G144.0	2.0	2.4	2.6	2.3	2.1	2.1	1.3	1.2	1.9	1.5
G145.0	2.2	2.4	2.8	2.6	2.2	2.2	1.6	1.3	2.0	1.7
G146.0	2.4	2.7	3.0	2.7	2.4	2.6	1.8	1.5	2.1	1.7
G147.0	2.6	2.8	3.0	2.8	2.6	2.6	1.8	1.8	2.2	1.9

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:

## 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	2.6	3.2	3.1	3.2	2.7	2.9	2.1	2.0	2.3	2.0
G149.0	2.8	3.2	3.3	3.3	3.0	2.8	2.3	2.2	2.5	2.1
G150.0	3.0	3.4	3.5	3.4	3.0	3.1	2.5	2.2	2.7	2.6
G151.0	3.2	3.5	3.8	3.4	3.2	3.3	2.5	2.5	2.8	2.7
G152.0	3.4	3.8	3.7	3.7	3.3	3.4	2.6	2.8	3.0	2.9
G153.0	3.5	3.8	3.9	3.7	3.5	3.7	2.9	2.8	3.1	3.0
G154.0	3.6	4.0	3.9	4.0	3.6	3.7	3.1	3.0	3.2	3.2
G155.0	3.6	4.1	4.0	4.0	3.8	3.9	3.4	3.1	3.6	3.4
G156.0	3.8	4.2	4.1	4.1	3.9	3.9	3.4	3.5	3.7	3.6
G157.0	4.1	4.3	4.2	4.1	4.0	4.1	3.5	3.5	3.8	3.7
G158.0	4.2	4.5	4.4	4.2	4.2	4.1	3.8	3.6	4.0	3.8
G159.0	4.3	4.4	4.5	4.3	4.2	4.2	3.9	3.8	4.2	4.0
G160.0	4.4	4.4	4.6	4.3	4.2	4.3	4.0	4.0	4.3	4.1
G161.0	4.5	4.6	4.6	4.5	4.3	4.5	4.2	4.0	4.3	4.3
G162.0	4.5	4.6	4.5	4.5	4.4	4.5	4.3	4.2	4.4	4.3
G163.0	4.5	4.6	4.5	4.5	4.4	4.3	4.6	4.3	4.5	4.4
G164.0	4.6	4.6	4.6	4.5	4.5	4.5	4.6	4.4	4.6	4.6
G165.0	4.7	4.8	4.5	4.4	4.6	4.4	4.7	4.5	4.7	4.7
G166.0	4.7	4.8	4.6	4.5	4.5	4.5	4.7	4.5	4.8	4.5
G167.0	4.7	4.9	4.6	4.7	4.5	4.4	4.7	4.6	4.6	4.6
G168.0	4.7	4.9	4.7	4.7	4.6	4.4	4.7	4.7	4.7	4.7
G169.0	4.7	4.9	4.5	4.8	4.4	4.4	4.8	4.5	4.9	4.7
G170.0	4.6	4.9	4.4	4.7	4.5	4.5	4.6	4.7	4.9	4.7
G171.0	4.8	4.9	4.4	4.7	4.5	4.5	4.8	4.7	4.9	4.8
G172.0	4.7	4.9	4.5	4.7	4.5	4.5	4.9	4.6	4.7	4.9
G173.0	4.7	5.0	4.4	4.7	4.5	4.4	4.8	4.5	5.0	4.8
G174.0	4.7	4.9	4.4	4.9	4.5	4.5	4.7	4.7	5.0	4.8
G175.0	4.6	4.8	4.4	4.7	4.4	4.6	4.7	4.8	4.8	4.9
G176.0	4.7	4.9	4.5	4.6	4.5	4.5	5.0	4.8	4.8	5.0
G177.0	4.7	4.9	4.5	4.7	4.5	4.6	5.0	4.6	4.8	4.9
G178.0	4.9	4.9	4.6	4.6	4.5	4.7	4.9	4.7	4.8	4.9
G179.0	4.8	4.9	4.6	4.7	4.3	4.7	4.8	4.5	4.6	5.0
G180.0	4.8	4.8	4.8	4.7	4.4	4.6	5.0	4.7	5.0	4.9

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:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1690.4	1708.5	1669.8							
G1.0	1705.7	1695.2	1623.6							
G2.0	1699.4	1668.9	1561.6							
G3.0	1676.2	1636.0	1494.7							
G4.0	1643.3	1587.8	1411.1							
G5.0	1594.1	1526.4	1328.2							
G6.0	1533.6	1444.0	1242.9							
G7.0	1460.2	1365.3	1151.9							
G8.0	1381.9	1286.3	1066.2							
G9.0	1308.0	1207.1	985.9							
G10.0	1225.6	1120.7	901.4							
G11.0	1152.7	1040.1	810.7							
G12.0	1077.4	954.8	731.8							
G13.0	996.0	870.7	652.2							
G14.0	901.7	789.1	583.1							
G15.0	818.5	705.5	518.1							
G16.0	736.6	633.6	455.2							
G17.0	664.4	570.6	404.4							
G18.0	593.4	514.0	357.7							
G19.0	537.7	457.9	317.6							
G20.0	489.3	415.2	278.9							
G21.0	448.3	375.1	245.4							
G22.0	411.2	339.9	216.8							
G23.0	373.8	308.4	188.9							
G24.0	343.4	275.0	166.8							
G25.0	314.7	249.1	147.1							
G26.0	287.1	224.3	128.8							
G27.0	259.1	201.4	113.4							
G28.0	234.2	179.4	99.0							
G29.0	210.7	158.2	85.9							
G30.0	189.0	140.4	74.9							
G31.0	166.6	123.6	65.1							
G32.0	147.3	108.6	55.1							
G33.0	129.7	93.1	47.9							
G34.0	113.3	80.9	41.4							
G35.0	98.4	69.6	35.4							
G36.0	84.1	60.0	30.3							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	72.0	50.5	25.9							
G38.0	61.8	43.1	22.2							
G39.0	52.6	36.7	18.8							
G40.0	44.1	31.3	16.1							
G41.0	37.9	26.1	13.9							
G42.0	32.1	22.2	12.2							
G43.0	26.7	19.0	10.7							
G44.0	22.8	16.1	9.6							
G45.0	19.6	13.7	8.6							
G46.0	16.9	11.6	7.6							
G47.0	14.6	9.9	6.8							
G48.0	12.5	8.9	6.0							
G49.0	10.8	8.0	5.3							
G50.0	9.5	7.3	5.0							
G51.0	8.5	6.7	4.7							
G52.0	7.9	6.2	4.2							
G53.0	7.2	6.0	3.9							
G54.0	6.8	5.7	3.6							
G55.0	6.5	5.3	3.2							
G56.0	6.2	4.8	3.1							
G57.0	6.0	4.5	2.9							
G58.0	5.7	4.4	2.5							
G59.0	5.3	4.0	2.3							
G60.0	5.0	3.6	2.2							
G61.0	4.5	3.3	1.8							
G62.0	4.1	2.9	1.6							
G63.0	3.6	2.4	1.2							
G64.0	3.0	1.9	0.0							
G65.0	2.3	1.3	0.0							
G66.0	1.6	0.0	0.0							
G67.0	1.0	0.0	0.0							
G68.0	0.0	0.0	0.0							
G69.0	0.0	0.0	0.0							
G70.0	0.0	0.0	0.0							
G71.0	0.0	0.0	0.0							
G72.0	0.0	0.0	0.0							
G73.0	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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	0.0	0.0	0.0							
G75.0	0.0	0.0	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	0.0						
G121.0	0.0	0.0	0.0						
G122.0	0.0	0.0	0.0						
G123.0	0.0	0.0	0.0						
G124.0	0.0	0.0	0.0						
G125.0	0.0	0.0	0.0						
G126.0	0.0	0.0	0.0						
G127.0	0.0	0.0	0.0						
G128.0	0.0	0.0	0.0						
G129.0	0.0	0.0	0.0						
G130.0	0.0	0.0	0.0						
G131.0	0.0	0.0	0.0						
G132.0	0.0	0.0	0.0						
G133.0	0.0	0.0	0.0						
G134.0	0.0	0.0	0.0						
G135.0	0.0	0.0	0.0						
G136.0	0.0	0.0	1.0						
G137.0	0.0	0.0	1.0						
G138.0	0.0	0.0	0.0						
G139.0	0.0	0.0	1.0						
G140.0	0.0	0.0	1.4						
G141.0	0.0	1.0	1.4						
G142.0	0.0	1.1	1.7						
G143.0	1.1	1.3	1.8						
G144.0	1.3	1.5	2.0						
G145.0	1.3	1.5	2.2						
G146.0	1.5	1.6	2.4						
G147.0	1.6	1.8	2.6						

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	1.7	2.0	2.6							
G149.0	1.9	2.1	2.8							
G150.0	1.9	2.3	3.0							
G151.0	2.2	2.6	3.2							
G152.0	2.3	2.7	3.4							
G153.0	2.6	2.9	3.5							
G154.0	2.8	3.0	3.6							
G155.0	2.9	3.2	3.6							
G156.0	2.9	3.2	3.8							
G157.0	3.2	3.3	4.1							
G158.0	3.3	3.4	4.2							
G159.0	3.5	3.5	4.3							
G160.0	3.6	3.6	4.4							
G161.0	3.7	3.8	4.5							
G162.0	3.8	3.9	4.5							
G163.0	4.0	3.9	4.5							
G164.0	4.1	3.9	4.6							
G165.0	4.1	4.1	4.7							
G166.0	4.3	4.2	4.7							
G167.0	4.1	4.1	4.7							
G168.0	4.3	4.1	4.7							
G169.0	4.1	4.2	4.7							
G170.0	4.1	4.1	4.6							
G171.0	4.2	4.0	4.8							
G172.0	4.2	4.0	4.7							
G173.0	4.2	4.1	4.7							
G174.0	4.3	4.4	4.7							
G175.0	4.2	4.4	4.6							
G176.0	4.3	4.4	4.7							
G177.0	4.2	4.3	4.7							
G178.0	4.2	4.2	4.9							
G179.0	4.2	4.3	4.8							
G180.0	4.3	4.6	4.8							

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: