

Report No.:

Test Time: 2016-05-26 11:21

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MS-MR16-3B(XBD-3000-100D-2W)

Voltage: 11.9 V

Current: 0.279 A

Power: 2.40 W

Power Factor: 0.715

## Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 139.9 lm

Measurement Flux: 139.9 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,25%,50%,75%): H144.2,H120.8,H99.2,H74.7

Vertical Diffuse Angle(10%,25%,50%,75%): V142.5,V121.5,V97.7,V76.4

Luminaire Efficacy Rating (LER): 58.32

Central Intensity: 60.08 cd

Max. Intensity: 60.32 cd

Pos of Max. Intensity: H0 V2.5

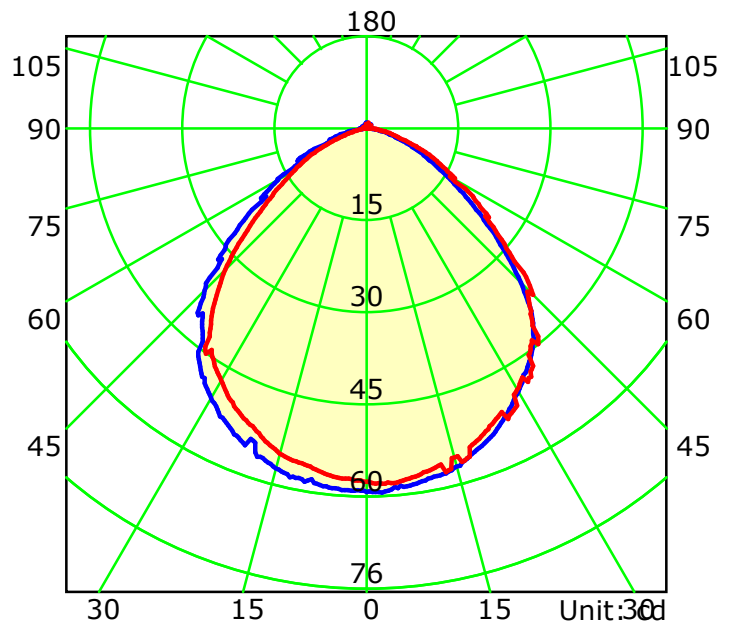
S/MH(C0/C180): 1.26

S/MH(C90/C270): 1.25

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 98.4°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0

Gamma Plane (°):0.0-180.0:0.5

Test Lab:

Test Device: GPM-1600

Test Type: TYPE C

Distance: 8.177 m

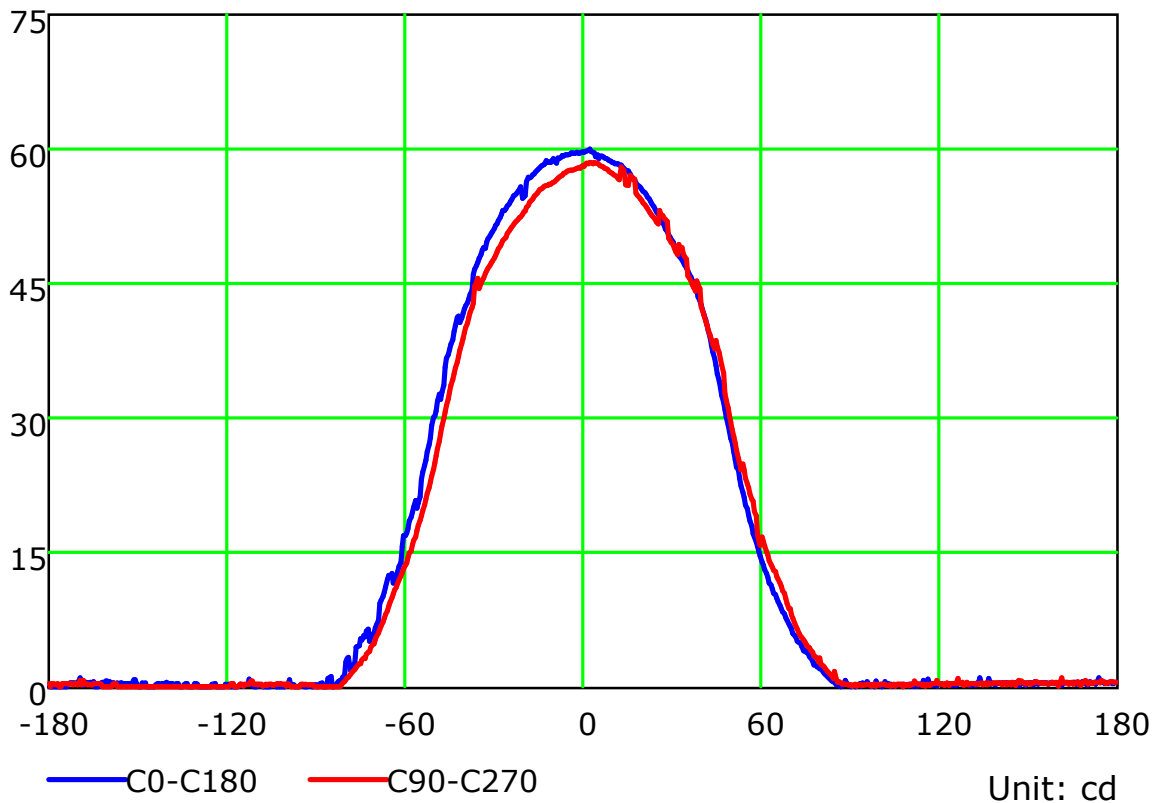
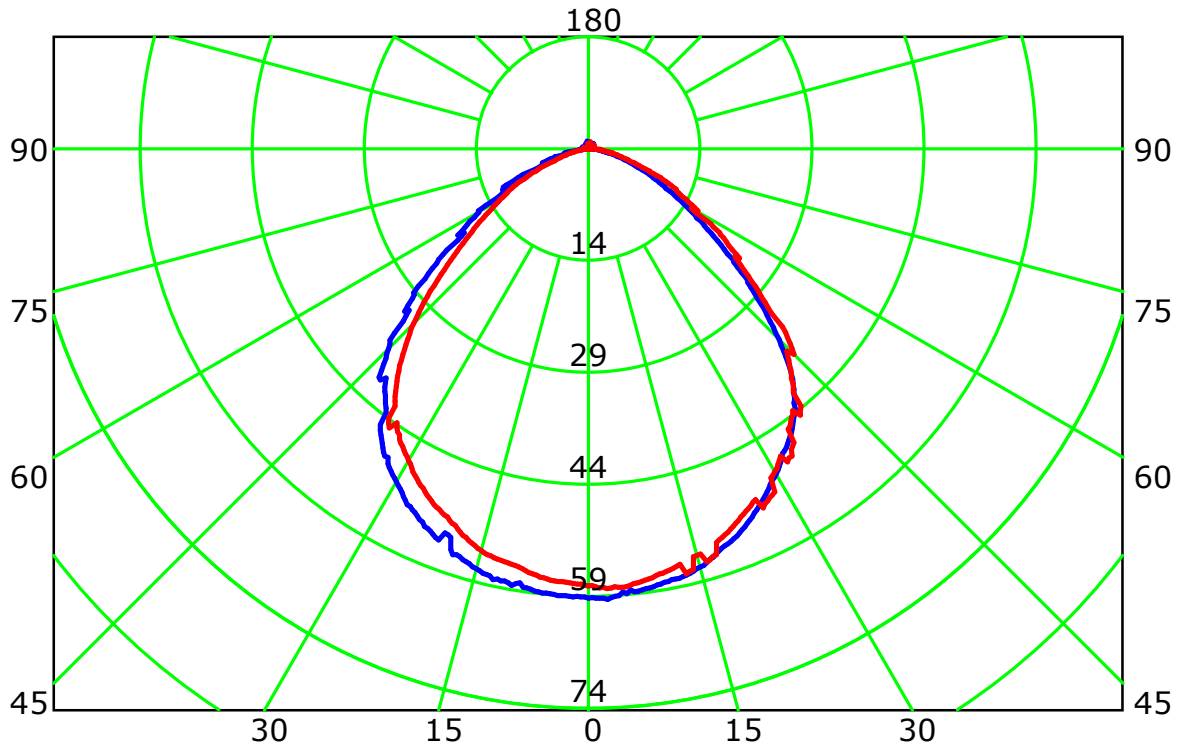
Temperature:

Humidity:

Operator:

Inspector:

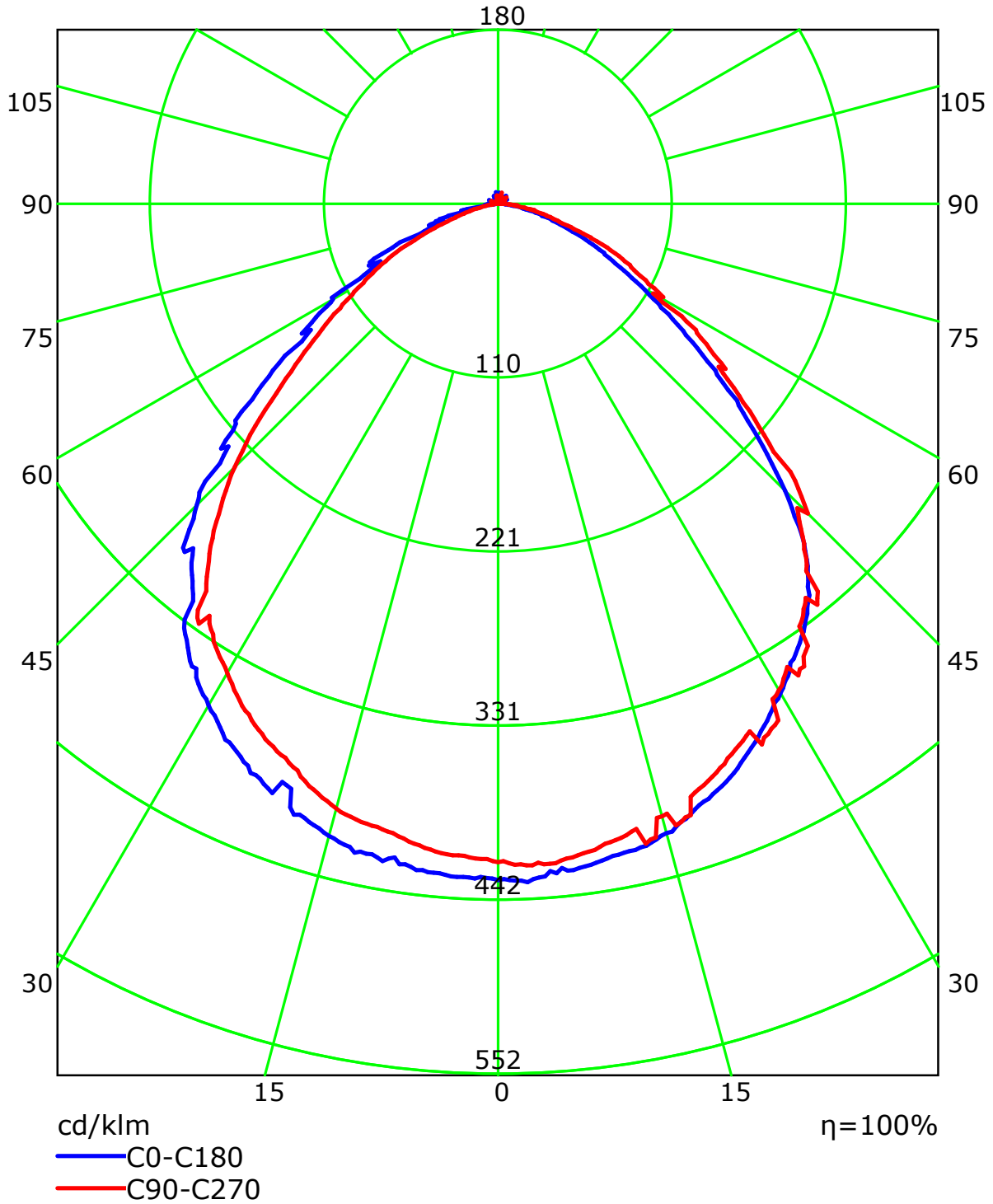
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



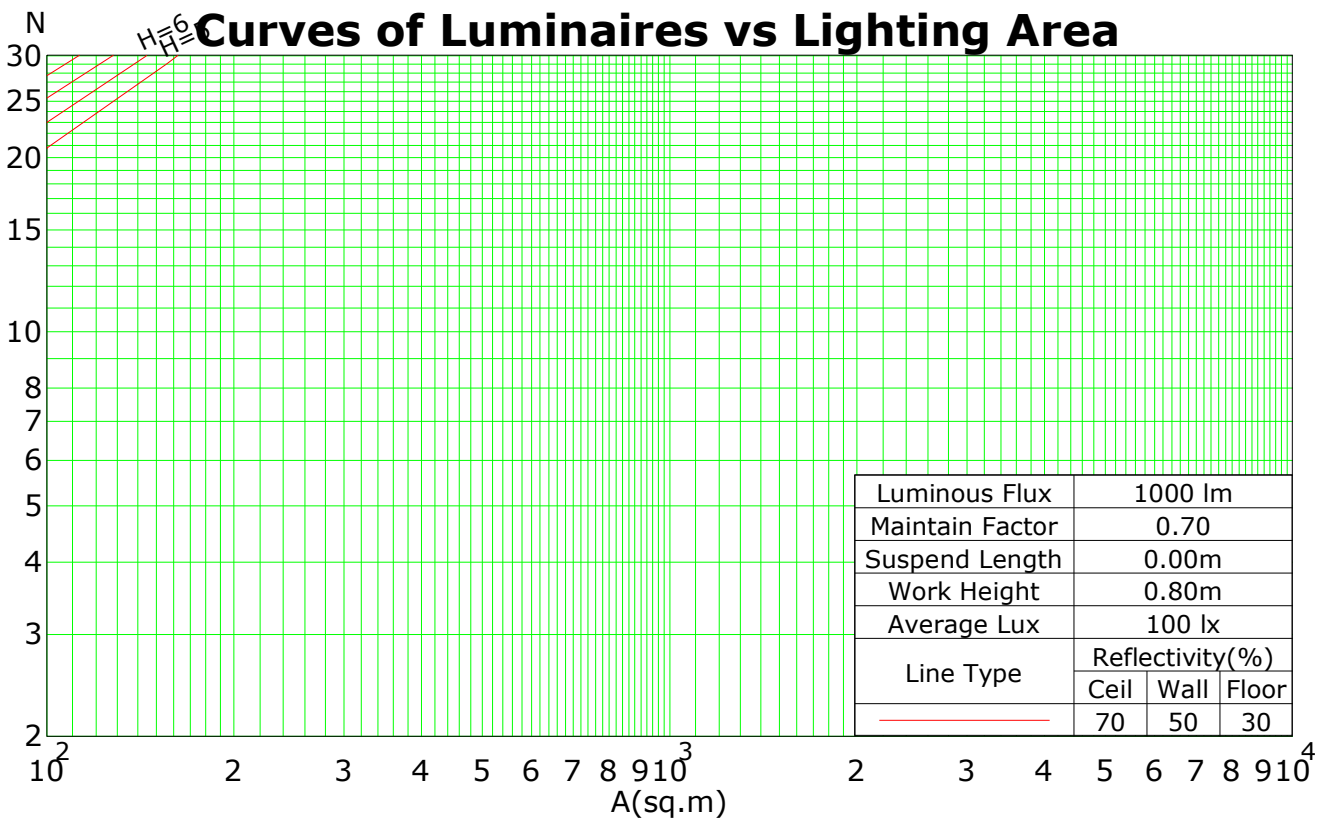
C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	108	104	101	98	100	97	94	96	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74
3	93	84	77	71	91	82	76	70	79	74	69	76	72	68	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	62	56	52	60	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	68	56	48	42	67	55	47	42	53	46	41	52	46	41	51	45	41	39
8	64	51	43	38	62	50	43	37	49	42	37	48	41	37	47	41	37	35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	29

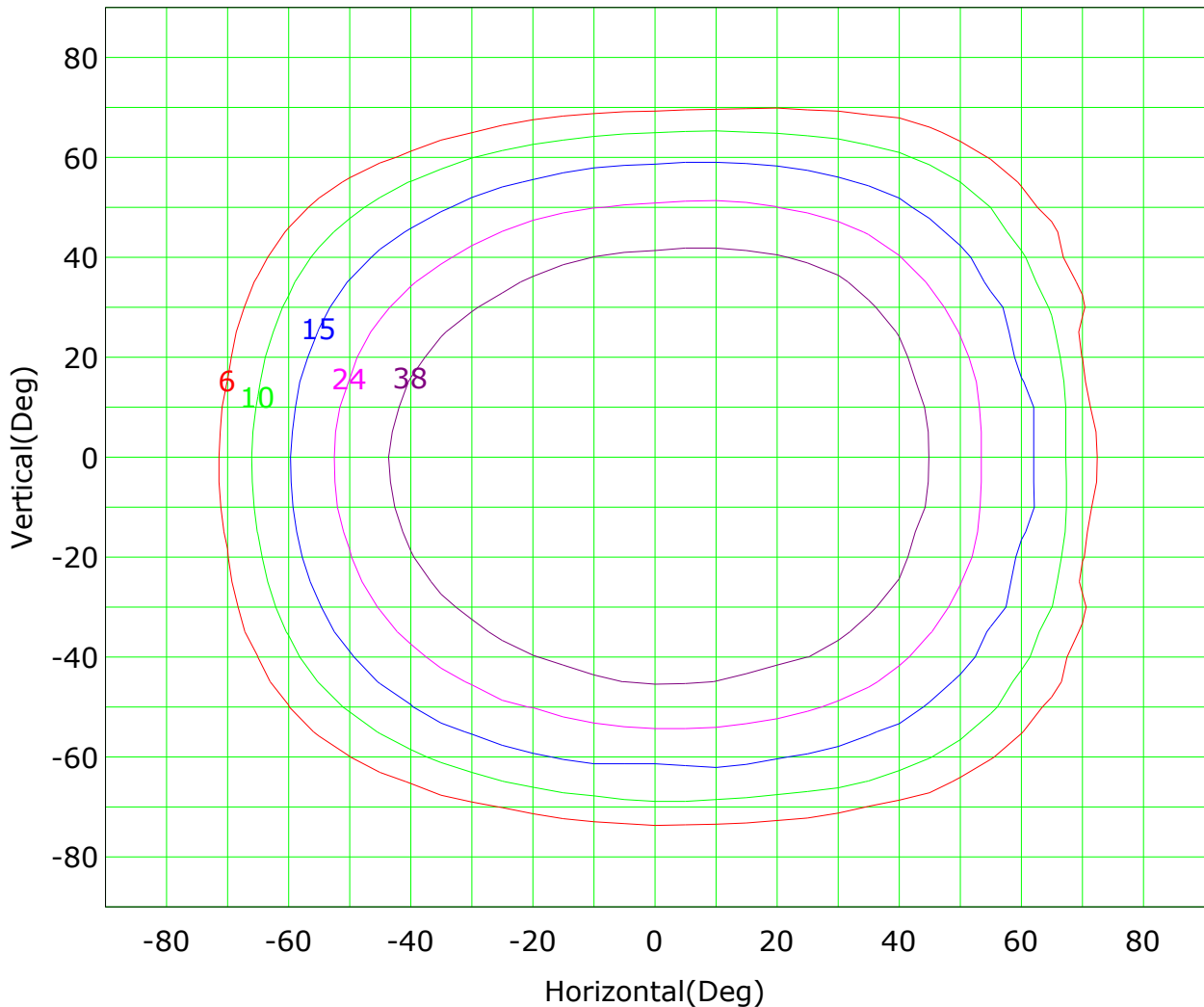
Spacing Criteria (0-180): 1.26  
 Spacing Criteria (90-270): 1.25  
 Spacing Criteria (Diagonal): 1.33



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



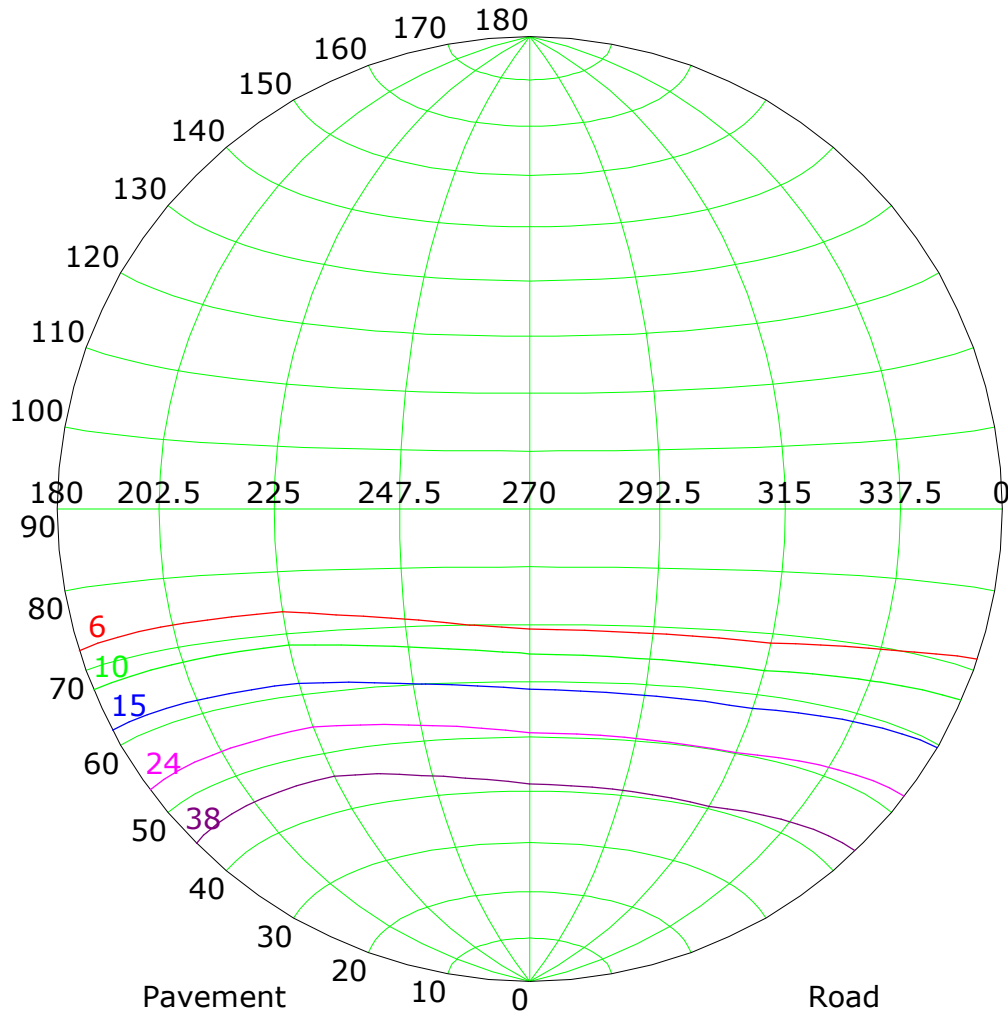
Imax (100%): 60 cd

— ( 10%):	6 cd	— ( 16%):	10 cd
— ( 25%):	15 cd	— ( 40%):	24 cd
— ( 63%):	38 cd	— (100%):	60 cd

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Isocandela (sphere)



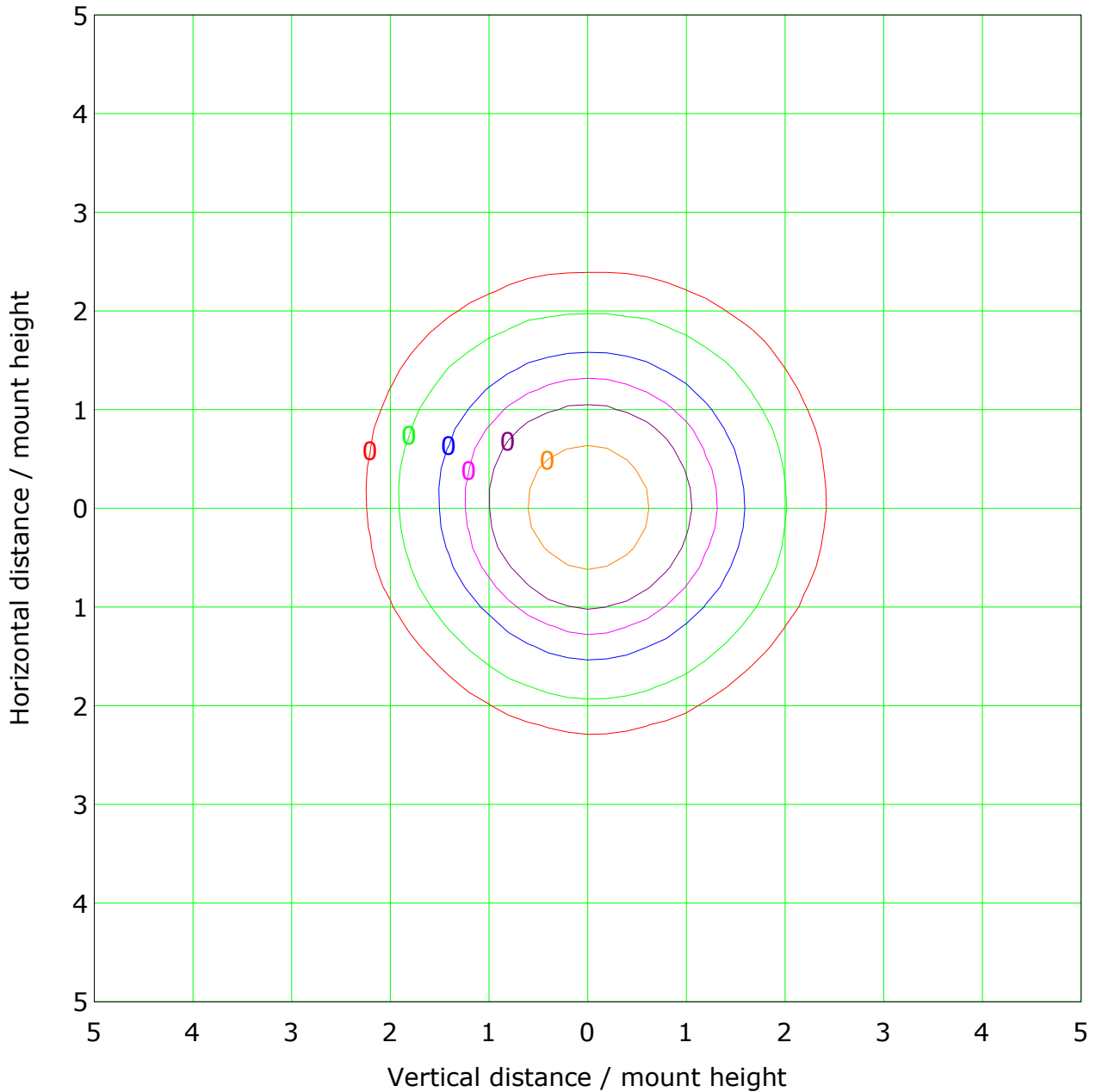
Imax (100%): 60 cd

— ( 10%):	6 cd	— ( 16%):	10 cd
— ( 25%):	15 cd	— ( 40%):	24 cd
— ( 63%):	38 cd	— (100%):	60 cd

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 0.6 lx

— ( 1%): 0.0 lx	— ( 2%): 0.0 lx
— ( 5%): 0.0 lx	— ( 10%): 0.1 lx
— ( 20%): 0.1 lx	— ( 50%): 0.3 lx
— (100%): 0.6 lx	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

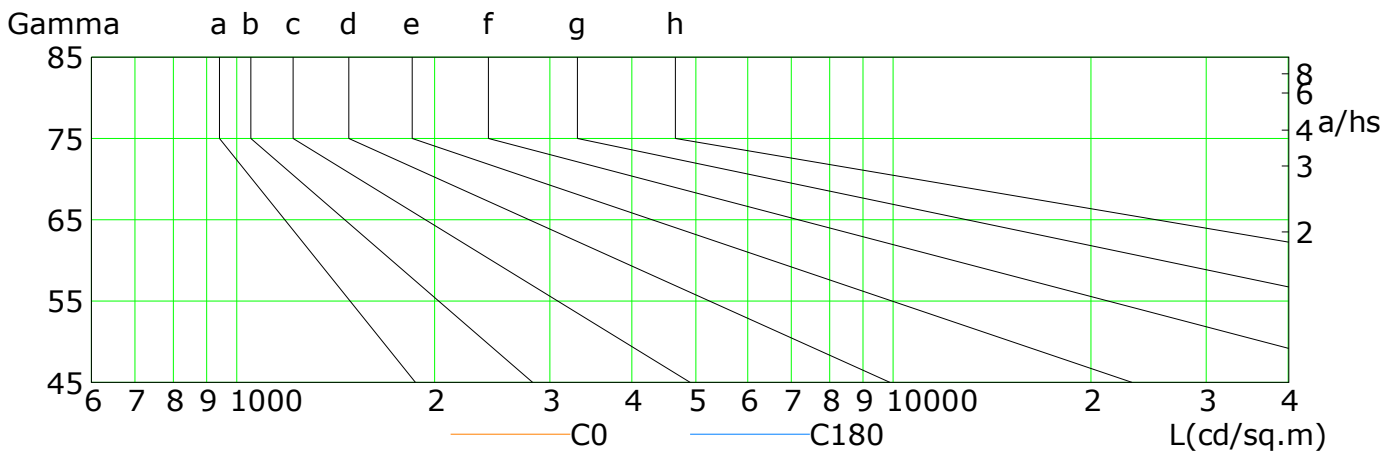
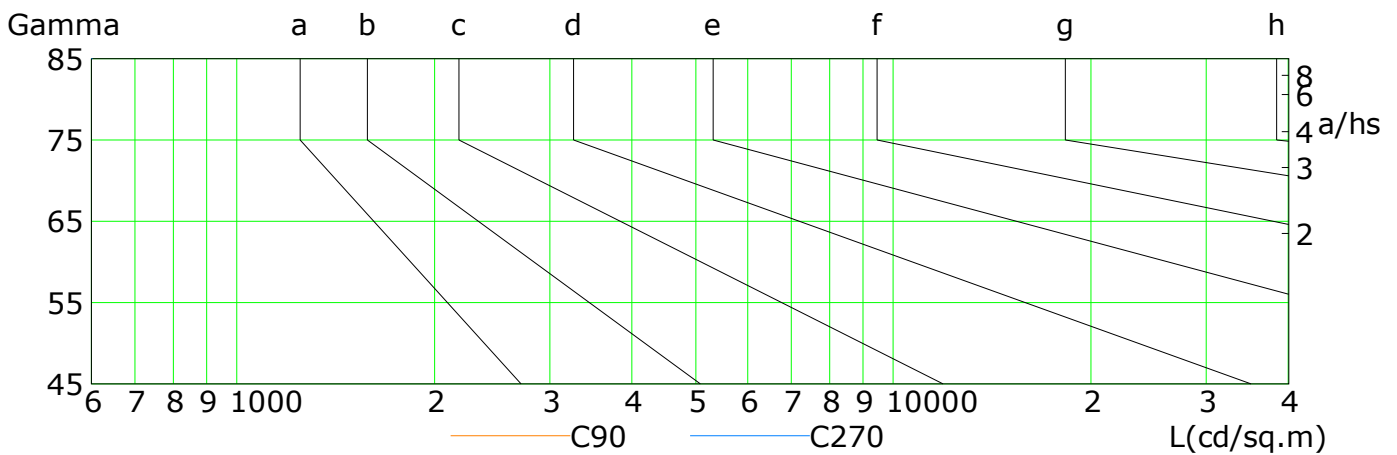




## Lum Limit Curve

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

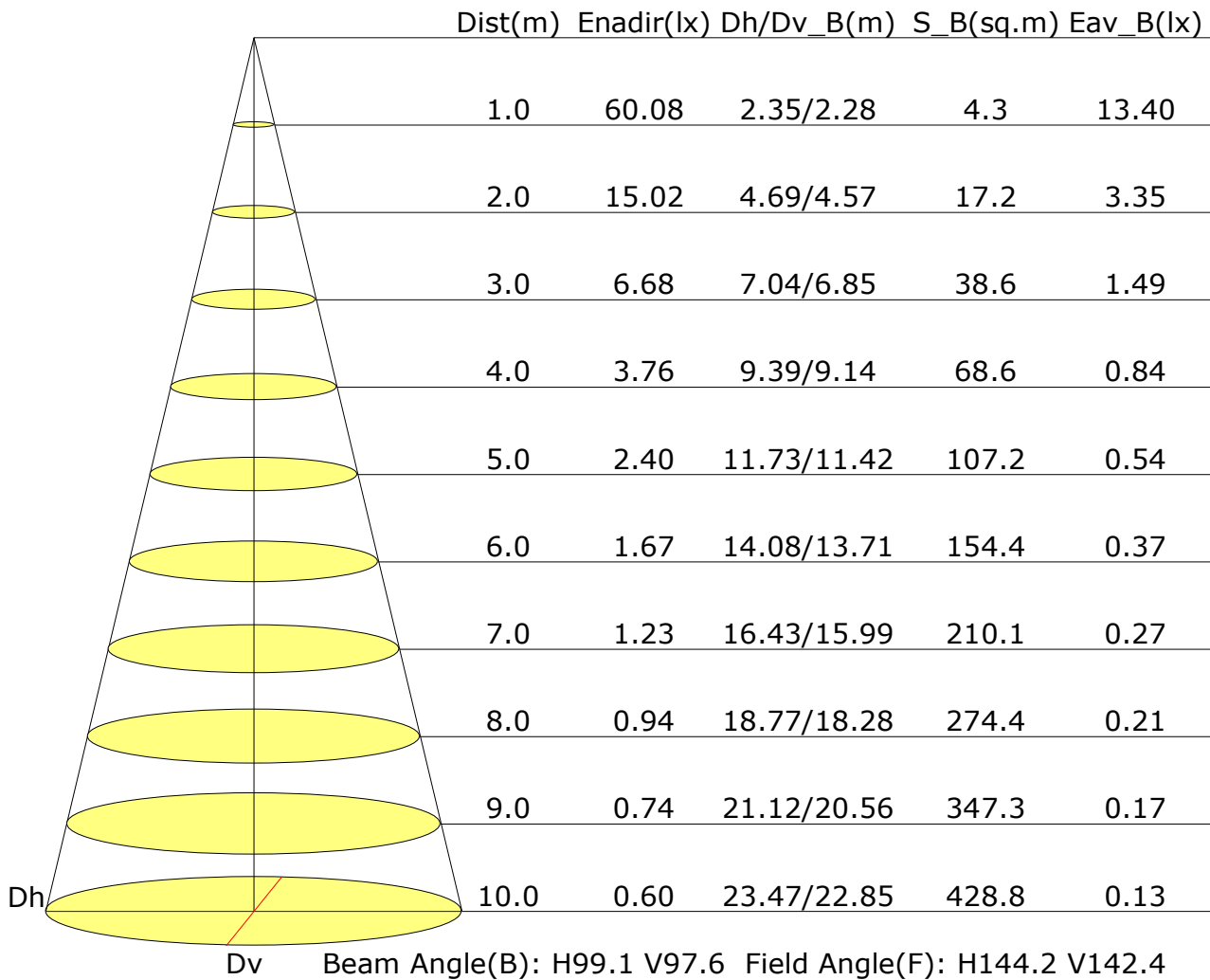


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	36	28	20	15	10	7	4	2	1
C90	39	30	23	16	13	9	5	3	2
C180	38	30	21	17	12	7	5	3	1
C270	33	25	19	14	10	5	3	1	0

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:0.5  
Test Device: GPM-1600  
Distance: 8.177 m  
Humidity:  
Inspector:

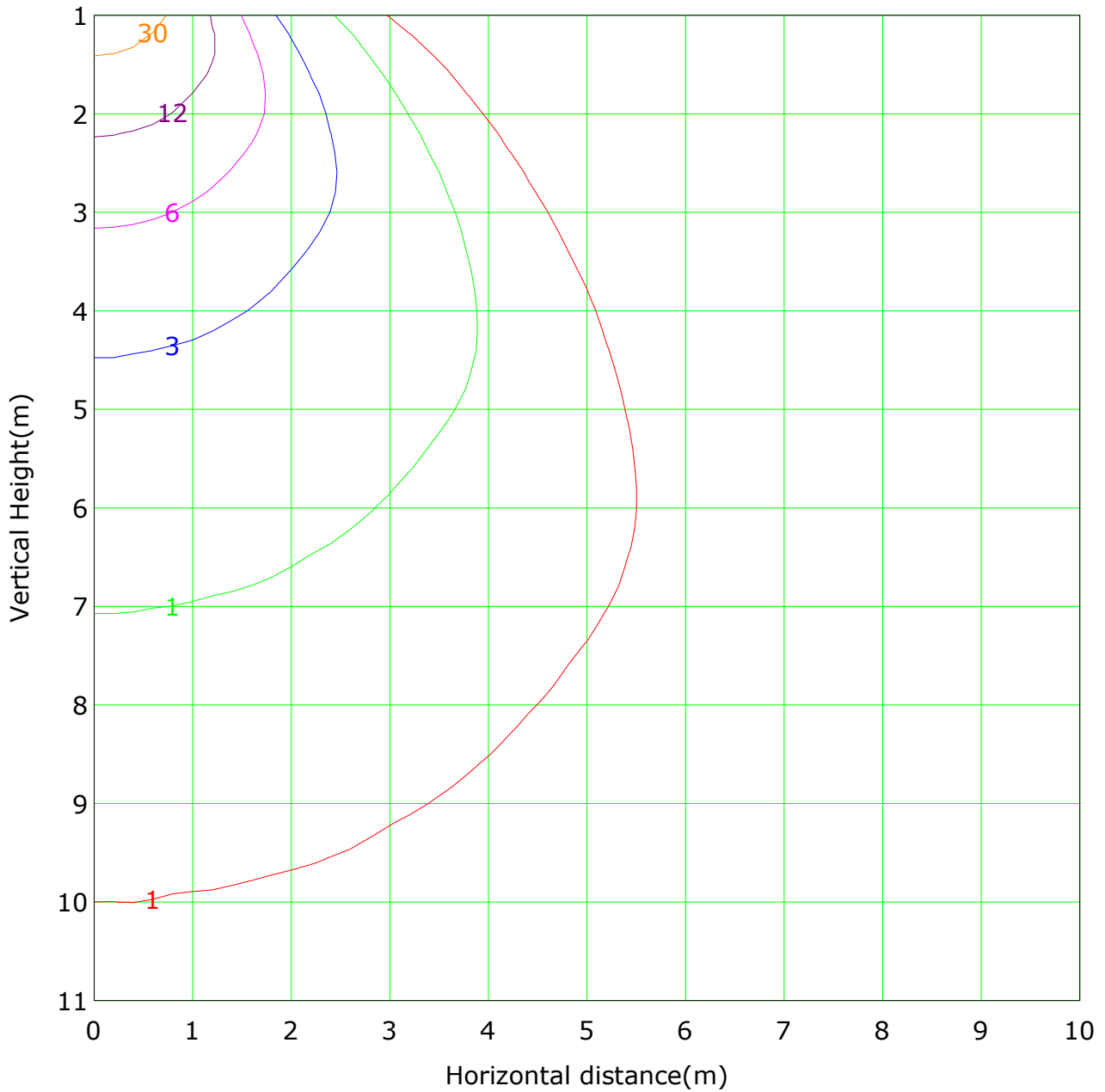
## Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 60.1 lx
— ( 1%): 0.6 lx	— ( 2%): 1.2 lx	
— ( 5%): 3.0 lx	— ( 10%): 6.0 lx	
— ( 20%): 12.0 lx	— ( 50%): 30.0 lx	
— (100%): 60.1 lx		

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Area Flux Table

Unit: lm

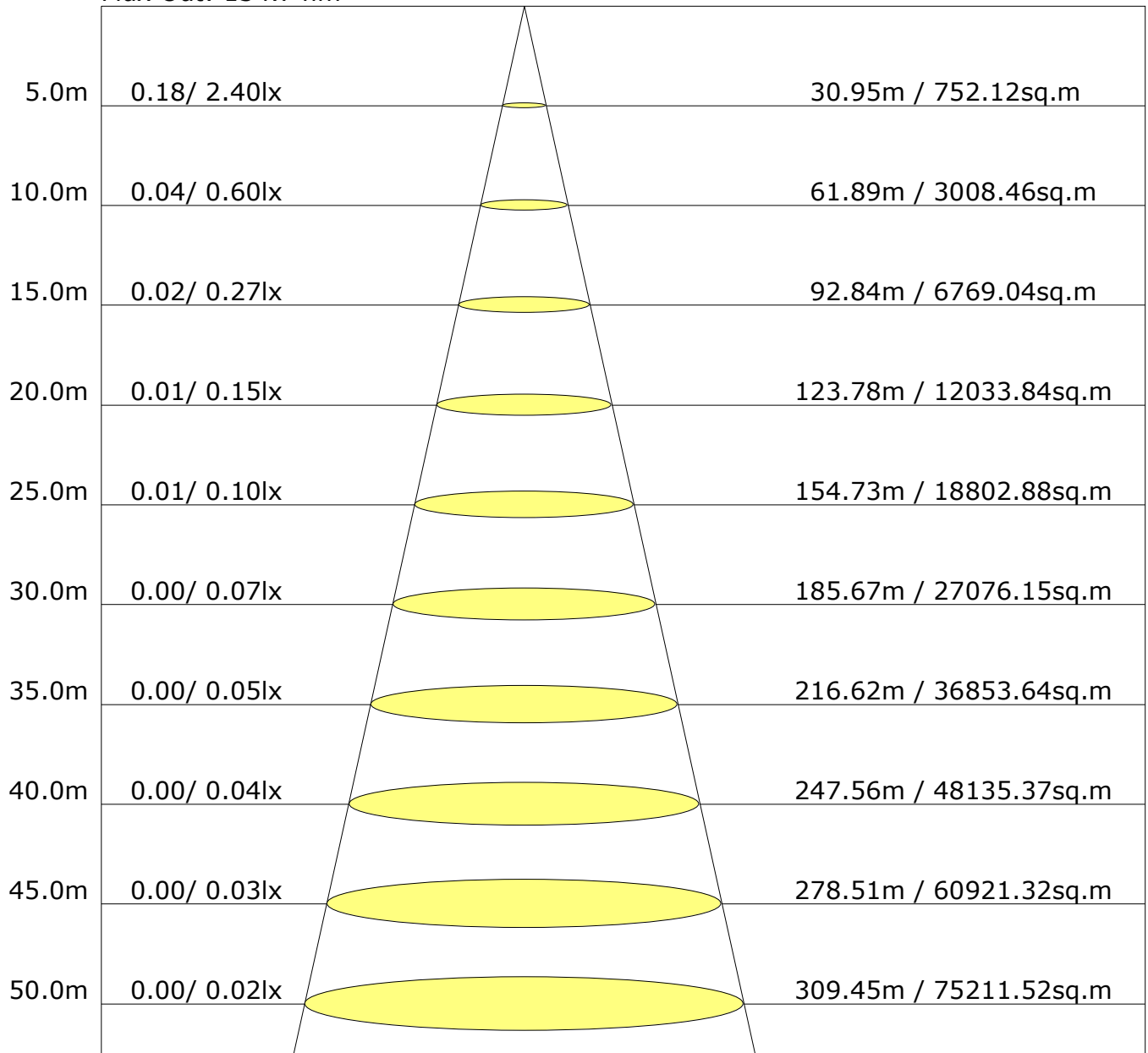
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
Flux(E)	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Flux(E)	Flux(T)
		0.0	0.4	1.5	3.7	7.0	10.9	14.1	16.2	17.1	16.8	15.5	13.0	9.7	6.0	2.8	0.9	0.0	0.0	0.0		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	1.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.4
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	10.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	12.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	14.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.9	14.8
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	14.2
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	13.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	11.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	8.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.1
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.6
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.3
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure

Flux Out: 134.74lm



Height

Avg./Nadir. E

Beam Angle: 144.2°

Diameter / Area

C Plane (°): 0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°): 0.0-180.0: 0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## UGR Table

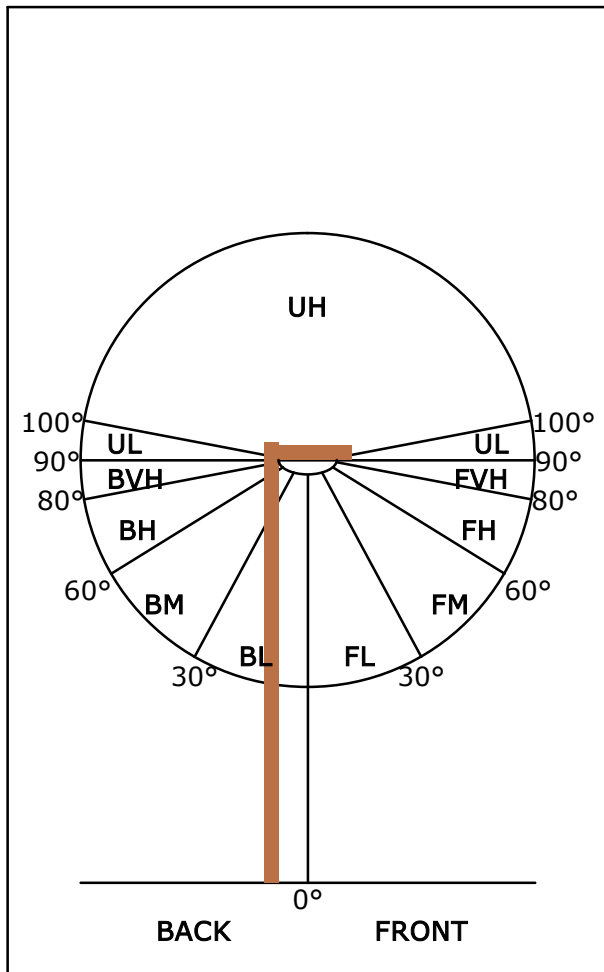
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with 140lm ( $8\log(F/F_0) = -6.8$ ).

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

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



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	67	47.7
FL ( 0°-30°)	23	16.3
FM (30°-60°)	37	26.2
FH (60°-80°)	7	5.0
FVH (80°-90°)	0	0.2
BACK LIGHT	72	51.4
BL ( 0°-30°)	23	16.6
BM (30°-60°)	40	28.3
BH (60°-80°)	9	6.1
BVH (80°-90°)	0	0.4
UP LIGHT	1	0.8
UL (90°-100°)	0	0.1
UH (100°-180°)	1	0.7
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

C Plane (°):0.0-360.0: 45.0  
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Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:





## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.63	0.74	0.81	0.86	0.92	0.97	1.00	1.04	1.06
		0.30	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03
		0.20	0.51	0.62	0.69	0.75	0.82	0.88	0.92	0.97	1.01
0.50	0.50	0.20	0.62	0.71	0.78	0.83	0.89	0.93	0.96	1.00	1.02
		0.30	0.55	0.65	0.73	0.78	0.85	0.89	0.92	0.97	0.99
		0.20	0.50	0.61	0.68	0.73	0.81	0.86	0.89	0.94	0.97
0.30	0.50	0.20	0.60	0.70	0.76	0.80	0.86	0.90	0.92	0.96	0.98
		0.30	0.54	0.64	0.71	0.76	0.82	0.87	0.90	0.93	0.96
		0.20	0.50	0.60	0.67	0.72	0.79	0.84	0.87	0.91	0.94
0.00	0.00	0.00	0.48	0.58	0.64	0.69	0.76	0.80	0.83	0.87	0.89

Rating:2W Photometrically tested without ceiling board.  
 Multiply UF values by service correction factors  
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.91	0.73	0.61	0.53	0.42	0.34	0.29	0.22	0.18
	0.30		0.76	0.63	0.54	0.47	0.38	0.32	0.27	0.21	0.17
	0.20		0.65	0.55	0.48	0.42	0.34	0.29	0.25	0.20	0.17
0.50	0.50	0.20	0.87	0.70	0.59	0.50	0.40	0.36	0.28	0.21	0.17
	0.30		0.74	0.61	0.52	0.45	0.36	0.30	0.26	0.20	0.16
	0.20		0.64	0.54	0.46	0.41	0.33	0.28	0.24	0.19	0.16
0.30	0.50	0.20	0.84	0.67	0.56	0.48	0.38	0.31	0.26	0.20	0.16
	0.30		0.72	0.59	0.50	0.44	0.35	0.29	0.25	0.19	0.16
	0.20		0.63	0.53	0.45	0.40	0.32	0.27	0.23	0.18	0.15
0.00	0.00	0.00	0.52	0.42	0.35	0.31	0.24	0.20	0.17	0.13	0.11
<p>Rating:2W 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: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.16	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:2W Photometrically tested without ceiling board.  
 Multiply UF values by service correction factors  
 Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-0.5	59.2	0.0	0.0	0.01	0.01
0.5-1.0	59.2	0.0	0.1	0.03	0.04
1.0-1.5	59.2	0.1	0.1	0.05	0.09
1.5-2.0	59.2	0.1	0.2	0.07	0.16
2.0-2.5	59.3	0.1	0.4	0.09	0.25
2.5-3.0	59.3	0.2	0.5	0.11	0.36
3.0-3.5	59.2	0.2	0.7	0.13	0.50
3.5-4.0	59.2	0.2	0.9	0.15	0.65
4.0-4.5	59.1	0.2	1.1	0.17	0.82
4.5-5.0	59.1	0.3	1.4	0.19	1.01
5.0-5.5	59.0	0.3	1.7	0.21	1.22
5.5-6.0	59.0	0.3	2.0	0.23	1.46
6.0-6.5	58.9	0.4	2.4	0.25	1.71
6.5-7.0	58.8	0.4	2.8	0.27	1.98
7.0-7.5	58.7	0.4	3.2	0.29	2.27
7.5-8.0	58.6	0.4	3.6	0.31	2.58
8.0-8.5	58.5	0.5	4.1	0.33	2.91
8.5-9.0	58.4	0.5	4.6	0.35	3.26
9.0-9.5	58.3	0.5	5.1	0.37	3.62
9.5-10.0	58.2	0.5	5.6	0.39	4.01
10.0-10.5	58.1	0.6	6.2	0.41	4.42
10.5-11.0	58.0	0.6	6.8	0.42	4.84
11.0-11.5	57.9	0.6	7.4	0.44	5.28
11.5-12.0	57.8	0.6	8.0	0.46	5.74
12.0-12.5	57.6	0.7	8.7	0.48	6.22
12.5-13.0	57.6	0.7	9.4	0.50	6.72
13.0-13.5	57.7	0.7	10.1	0.52	7.24
13.5-14.0	57.6	0.8	10.9	0.54	7.78
14.0-14.5	57.4	0.8	11.6	0.55	8.33
14.5-15.0	57.2	0.8	12.4	0.57	8.90
15.0-15.5	56.9	0.8	13.3	0.59	9.49
15.5-16.0	56.8	0.8	14.1	0.60	10.09
16.0-16.5	56.7	0.9	15.0	0.62	10.71
16.5-17.0	56.5	0.9	15.9	0.64	11.35
17.0-17.5	56.3	0.9	16.8	0.66	12.01
17.5-18.0	56.0	0.9	17.7	0.67	12.68

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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 [%]
18.0-18.5	55.8	1.0	18.7	0.69	13.36
18.5-19.0	55.6	1.0	19.7	0.70	14.06
19.0-19.5	55.3	1.0	20.7	0.71	14.78
19.5-20.0	55.1	1.0	21.7	0.73	15.51
20.0-20.5	54.9	1.0	22.7	0.75	16.25
20.5-21.0	54.8	1.1	23.8	0.76	17.01
21.0-21.5	54.7	1.1	24.9	0.78	17.79
21.5-22.0	54.4	1.1	26.0	0.79	18.58
22.0-22.5	54.2	1.1	27.1	0.80	19.39
22.5-23.0	54.0	1.1	28.3	0.82	20.20
23.0-23.5	53.8	1.2	29.4	0.83	21.04
23.5-24.0	53.6	1.2	30.6	0.85	21.88
24.0-24.5	53.5	1.2	31.8	0.86	22.74
24.5-25.0	53.1	1.2	33.0	0.87	23.62
25.0-25.5	52.7	1.2	34.3	0.88	24.50
25.5-26.0	52.5	1.3	35.5	0.89	25.39
26.0-26.5	52.4	1.3	36.8	0.91	26.30
26.5-27.0	52.2	1.3	38.1	0.92	27.22
27.0-27.5	51.9	1.3	39.4	0.93	28.15
27.5-28.0	51.6	1.3	40.7	0.94	29.10
28.0-28.5	51.3	1.3	42.0	0.95	30.05
28.5-29.0	50.8	1.3	43.4	0.96	31.00
29.0-29.5	50.4	1.4	44.7	0.97	31.97
29.5-30.0	50.1	1.4	46.1	0.97	32.94
30.0-30.5	49.8	1.4	47.4	0.98	33.93
30.5-31.0	49.5	1.4	48.8	0.99	34.92
31.0-31.5	49.3	1.4	50.2	1.00	35.92
31.5-32.0	49.0	1.4	51.7	1.01	36.94
32.0-32.5	48.8	1.4	53.1	1.02	37.96
32.5-33.0	48.5	1.4	54.5	1.03	38.98
33.0-33.5	48.2	1.4	56.0	1.04	40.02
33.5-34.0	47.9	1.5	57.4	1.04	41.06
34.0-34.5	47.5	1.5	58.9	1.05	42.11
34.5-35.0	47.1	1.5	60.4	1.05	43.16
35.0-35.5	46.8	1.5	61.8	1.06	44.22
35.5-36.0	46.4	1.5	63.3	1.06	45.28

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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 [%]
36.0-36.5	46.0	1.5	64.8	1.07	46.35
36.5-37.0	45.5	1.5	66.3	1.07	47.42
37.0-37.5	44.9	1.5	67.8	1.06	48.48
37.5-38.0	44.4	1.5	69.3	1.06	49.55
38.0-38.5	44.0	1.5	70.8	1.07	50.61
38.5-39.0	43.6	1.5	72.3	1.07	51.68
39.0-39.5	43.1	1.5	73.8	1.07	52.75
39.5-40.0	42.5	1.5	75.3	1.07	53.82
40.0-40.5	41.9	1.5	76.7	1.06	54.88
40.5-41.0	41.4	1.5	78.2	1.06	55.94
41.0-41.5	40.9	1.5	79.7	1.06	57.00
41.5-42.0	40.3	1.5	81.2	1.05	58.05
42.0-42.5	39.8	1.5	82.6	1.05	59.10
42.5-43.0	39.2	1.5	84.1	1.04	60.14
43.0-43.5	38.6	1.4	85.6	1.04	61.18
43.5-44.0	38.0	1.4	87.0	1.03	62.21
44.0-44.5	37.3	1.4	88.4	1.02	63.23
44.5-45.0	36.8	1.4	89.8	1.01	64.24
45.0-45.5	36.2	1.4	91.3	1.01	65.25
45.5-46.0	35.5	1.4	92.6	1.00	66.24
46.0-46.5	34.8	1.4	94.0	0.98	67.23
46.5-47.0	33.9	1.4	95.4	0.97	68.20
47.0-47.5	33.0	1.3	96.7	0.95	69.15
47.5-48.0	32.1	1.3	98.0	0.93	70.08
48.0-48.5	31.3	1.3	99.3	0.92	71.00
48.5-49.0	30.6	1.3	100.5	0.90	71.90
49.0-49.5	29.7	1.2	101.8	0.88	72.78
49.5-50.0	28.9	1.2	103.0	0.86	73.65
50.0-50.5	28.2	1.2	104.2	0.85	74.50
50.5-51.0	27.5	1.2	105.4	0.84	75.33
51.0-51.5	26.7	1.1	106.5	0.82	76.15
51.5-52.0	25.9	1.1	107.6	0.80	76.94
52.0-52.5	25.1	1.1	108.7	0.78	77.72
52.5-53.0	24.4	1.1	109.8	0.76	78.49
53.0-53.5	23.7	1.0	110.8	0.74	79.23
53.5-54.0	23.1	1.0	111.8	0.73	79.96

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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 [%]
54.0-54.5	22.5	1.0	112.8	0.72	80.68
54.5-55.0	21.7	1.0	113.8	0.70	81.37
55.0-55.5	21.0	0.9	114.7	0.68	82.05
55.5-56.0	20.4	0.9	115.7	0.66	82.71
56.0-56.5	19.8	0.9	116.6	0.65	83.35
56.5-57.0	19.3	0.9	117.5	0.63	83.99
57.0-57.5	18.7	0.9	118.3	0.62	84.61
57.5-58.0	18.1	0.8	119.2	0.60	85.21
58.0-58.5	17.6	0.8	120.0	0.59	85.79
58.5-59.0	16.9	0.8	120.8	0.57	86.36
59.0-59.5	16.2	0.8	121.5	0.55	86.90
59.5-60.0	15.7	0.7	122.3	0.53	87.44
60.0-60.5	15.4	0.7	123.0	0.52	87.96
60.5-61.0	14.9	0.7	123.7	0.51	88.47
61.0-61.5	14.4	0.7	124.4	0.49	88.97
61.5-62.0	13.8	0.7	125.1	0.48	89.44
62.0-62.5	13.3	0.6	125.7	0.46	89.91
62.5-63.0	12.9	0.6	126.4	0.45	90.36
63.0-63.5	12.5	0.6	127.0	0.44	90.79
63.5-64.0	12.1	0.6	127.6	0.42	91.22
64.0-64.5	11.8	0.6	128.1	0.41	91.63
64.5-65.0	11.5	0.6	128.7	0.41	92.04
65.0-65.5	11.1	0.6	129.3	0.39	92.43
65.5-66.0	10.7	0.5	129.8	0.38	92.81
66.0-66.5	10.3	0.5	130.3	0.37	93.18
66.5-67.0	9.8	0.5	130.8	0.35	93.54
67.0-67.5	9.4	0.5	131.3	0.34	93.88
67.5-68.0	9.1	0.5	131.7	0.33	94.21
68.0-68.5	8.7	0.4	132.2	0.32	94.52
68.5-69.0	8.2	0.4	132.6	0.30	94.82
69.0-69.5	7.7	0.4	133.0	0.28	95.10
69.5-70.0	7.3	0.4	133.4	0.27	95.37
70.0-70.5	6.9	0.4	133.7	0.25	95.62
70.5-71.0	6.5	0.3	134.1	0.24	95.86
71.0-71.5	6.1	0.3	134.4	0.23	96.09
71.5-72.0	5.8	0.3	134.7	0.22	96.30

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 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 [%]
72.0-72.5	5.6	0.3	135.0	0.21	96.51
72.5-73.0	5.4	0.3	135.3	0.20	96.72
73.0-73.5	5.1	0.3	135.5	0.19	96.91
73.5-74.0	4.8	0.3	135.8	0.18	97.09
74.0-74.5	4.6	0.2	136.0	0.17	97.26
74.5-75.0	4.4	0.2	136.3	0.16	97.43
75.0-75.5	4.1	0.2	136.5	0.16	97.58
75.5-76.0	3.9	0.2	136.7	0.15	97.73
76.0-76.5	3.7	0.2	136.9	0.14	97.87
76.5-77.0	3.4	0.2	137.1	0.13	98.00
77.0-77.5	3.1	0.2	137.2	0.12	98.12
77.5-78.0	2.8	0.2	137.4	0.11	98.23
78.0-78.5	2.6	0.1	137.5	0.10	98.33
78.5-79.0	2.5	0.1	137.6	0.10	98.43
79.0-79.5	2.4	0.1	137.8	0.09	98.52
79.5-80.0	2.3	0.1	137.9	0.09	98.61
80.0-80.5	2.0	0.1	138.0	0.08	98.68
80.5-81.0	1.7	0.1	138.1	0.07	98.75
81.0-81.5	1.5	0.1	138.2	0.06	98.81
81.5-82.0	1.3	0.1	138.3	0.05	98.86
82.0-82.5	1.2	0.1	138.3	0.05	98.90
82.5-83.0	1.1	0.1	138.4	0.04	98.95
83.0-83.5	0.9	0.1	138.4	0.04	98.98
83.5-84.0	0.8	0.0	138.5	0.03	99.01
84.0-84.5	0.7	0.0	138.5	0.03	99.04
84.5-85.0	0.7	0.0	138.5	0.03	99.07
85.0-85.5	0.7	0.0	138.6	0.03	99.09
85.5-86.0	0.5	0.0	138.6	0.02	99.11
86.0-86.5	0.4	0.0	138.6	0.02	99.13
86.5-87.0	0.3	0.0	138.6	0.01	99.14
87.0-87.5	0.2	0.0	138.7	0.01	99.15
87.5-88.0	0.2	0.0	138.7	0.01	99.16
88.0-88.5	0.3	0.0	138.7	0.01	99.17
88.5-89.0	0.2	0.0	138.7	0.01	99.18
89.0-89.5	0.2	0.0	138.7	0.01	99.18
89.5-90.0	0.1	0.0	138.7	0.01	99.19

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



### Zonal Lumen (Continue 5)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
90.0-90.5	0.1	0.0	138.7	0.01	99.19
90.5-91.0	0.1	0.0	138.7	0.01	99.20
91.0-91.5	0.1	0.0	138.7	0.01	99.20
91.5-92.0	0.1	0.0	138.7	0.01	99.21
92.0-92.5	0.2	0.0	138.8	0.01	99.22
92.5-93.0	0.2	0.0	138.8	0.01	99.22
93.0-93.5	0.2	0.0	138.8	0.01	99.23
93.5-94.0	0.2	0.0	138.8	0.01	99.24
94.0-94.5	0.2	0.0	138.8	0.01	99.25
94.5-95.0	0.2	0.0	138.8	0.01	99.25
95.0-95.5	0.2	0.0	138.8	0.01	99.26
95.5-96.0	0.2	0.0	138.8	0.01	99.27
96.0-96.5	0.1	0.0	138.8	0.01	99.27
96.5-97.0	0.1	0.0	138.8	0.00	99.28
97.0-97.5	0.1	0.0	138.8	0.01	99.28
97.5-98.0	0.1	0.0	138.9	0.01	99.29
98.0-98.5	0.2	0.0	138.9	0.01	99.29
98.5-99.0	0.2	0.0	138.9	0.01	99.30
99.0-99.5	0.2	0.0	138.9	0.01	99.31
99.5-100.0	0.2	0.0	138.9	0.01	99.32
100.0-100.5	0.2	0.0	138.9	0.01	99.32
100.5-101.0	0.1	0.0	138.9	0.01	99.33
101.0-101.5	0.1	0.0	138.9	0.01	99.33
101.5-102.0	0.2	0.0	138.9	0.01	99.34
102.0-102.5	0.2	0.0	138.9	0.01	99.35
102.5-103.0	0.1	0.0	138.9	0.01	99.35
103.0-103.5	0.1	0.0	139.0	0.00	99.36
103.5-104.0	0.1	0.0	139.0	0.01	99.36
104.0-104.5	0.1	0.0	139.0	0.01	99.37
104.5-105.0	0.1	0.0	139.0	0.01	99.37
105.0-105.5	0.1	0.0	139.0	0.00	99.38
105.5-106.0	0.1	0.0	139.0	0.00	99.38
106.0-106.5	0.1	0.0	139.0	0.00	99.39
106.5-107.0	0.1	0.0	139.0	0.01	99.39
107.0-107.5	0.1	0.0	139.0	0.01	99.40
107.5-108.0	0.1	0.0	139.0	0.00	99.40

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 6)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-108.5	0.1	0.0	139.0	0.01	99.41
108.5-109.0	0.2	0.0	139.0	0.01	99.41
109.0-109.5	0.2	0.0	139.0	0.01	99.42
109.5-110.0	0.2	0.0	139.0	0.01	99.42
110.0-110.5	0.1	0.0	139.1	0.00	99.43
110.5-111.0	0.1	0.0	139.1	0.01	99.43
111.0-111.5	0.2	0.0	139.1	0.01	99.44
111.5-112.0	0.2	0.0	139.1	0.01	99.45
112.0-112.5	0.3	0.0	139.1	0.01	99.46
112.5-113.0	0.2	0.0	139.1	0.01	99.47
113.0-113.5	0.2	0.0	139.1	0.01	99.47
113.5-114.0	0.2	0.0	139.1	0.01	99.48
114.0-114.5	0.2	0.0	139.1	0.01	99.49
114.5-115.0	0.2	0.0	139.1	0.01	99.49
115.0-115.5	0.2	0.0	139.2	0.01	99.50
115.5-116.0	0.2	0.0	139.2	0.01	99.51
116.0-116.5	0.2	0.0	139.2	0.01	99.51
116.5-117.0	0.2	0.0	139.2	0.01	99.52
117.0-117.5	0.1	0.0	139.2	0.00	99.52
117.5-118.0	0.1	0.0	139.2	0.00	99.53
118.0-118.5	0.2	0.0	139.2	0.01	99.53
118.5-119.0	0.2	0.0	139.2	0.01	99.54
119.0-119.5	0.2	0.0	139.2	0.01	99.54
119.5-120.0	0.2	0.0	139.2	0.01	99.55
120.0-120.5	0.2	0.0	139.2	0.01	99.56
120.5-121.0	0.1	0.0	139.2	0.00	99.56
121.0-121.5	0.1	0.0	139.2	0.00	99.57
121.5-122.0	0.1	0.0	139.2	0.00	99.57
122.0-122.5	0.1	0.0	139.3	0.00	99.57
122.5-123.0	0.1	0.0	139.3	0.00	99.58
123.0-123.5	0.1	0.0	139.3	0.00	99.58
123.5-124.0	0.2	0.0	139.3	0.00	99.59
124.0-124.5	0.2	0.0	139.3	0.01	99.59
124.5-125.0	0.2	0.0	139.3	0.01	99.60
125.0-125.5	0.2	0.0	139.3	0.01	99.60
125.5-126.0	0.1	0.0	139.3	0.00	99.61

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 7)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
126.0-126.5	0.2	0.0	139.3	0.01	99.61
126.5-127.0	0.2	0.0	139.3	0.01	99.62
127.0-127.5	0.2	0.0	139.3	0.01	99.63
127.5-128.0	0.2	0.0	139.3	0.01	99.63
128.0-128.5	0.2	0.0	139.3	0.01	99.64
128.5-129.0	0.2	0.0	139.4	0.01	99.64
129.0-129.5	0.2	0.0	139.4	0.01	99.65
129.5-130.0	0.2	0.0	139.4	0.01	99.65
130.0-130.5	0.2	0.0	139.4	0.01	99.66
130.5-131.0	0.2	0.0	139.4	0.01	99.67
131.0-131.5	0.2	0.0	139.4	0.01	99.67
131.5-132.0	0.2	0.0	139.4	0.01	99.68
132.0-132.5	0.2	0.0	139.4	0.01	99.68
132.5-133.0	0.2	0.0	139.4	0.01	99.69
133.0-133.5	0.2	0.0	139.4	0.01	99.69
133.5-134.0	0.2	0.0	139.4	0.01	99.70
134.0-134.5	0.2	0.0	139.4	0.01	99.71
134.5-135.0	0.2	0.0	139.4	0.00	99.71
135.0-135.5	0.2	0.0	139.5	0.00	99.72
135.5-136.0	0.2	0.0	139.5	0.01	99.72
136.0-136.5	0.2	0.0	139.5	0.01	99.73
136.5-137.0	0.2	0.0	139.5	0.01	99.73
137.0-137.5	0.2	0.0	139.5	0.01	99.74
137.5-138.0	0.2	0.0	139.5	0.00	99.74
138.0-138.5	0.2	0.0	139.5	0.01	99.75
138.5-139.0	0.2	0.0	139.5	0.01	99.75
139.0-139.5	0.2	0.0	139.5	0.01	99.76
139.5-140.0	0.2	0.0	139.5	0.01	99.77
140.0-140.5	0.2	0.0	139.5	0.01	99.77
140.5-141.0	0.2	0.0	139.5	0.01	99.78
141.0-141.5	0.2	0.0	139.5	0.00	99.78
141.5-142.0	0.2	0.0	139.6	0.00	99.79
142.0-142.5	0.2	0.0	139.6	0.01	99.79
142.5-143.0	0.2	0.0	139.6	0.00	99.80
143.0-143.5	0.2	0.0	139.6	0.00	99.80
143.5-144.0	0.2	0.0	139.6	0.00	99.80

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 8)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-144.5	0.2	0.0	139.6	0.00	99.81
144.5-145.0	0.2	0.0	139.6	0.00	99.81
145.0-145.5	0.2	0.0	139.6	0.00	99.82
145.5-146.0	0.1	0.0	139.6	0.00	99.82
146.0-146.5	0.2	0.0	139.6	0.00	99.82
146.5-147.0	0.2	0.0	139.6	0.00	99.83
147.0-147.5	0.2	0.0	139.6	0.00	99.83
147.5-148.0	0.2	0.0	139.6	0.00	99.83
148.0-148.5	0.2	0.0	139.6	0.01	99.84
148.5-149.0	0.2	0.0	139.6	0.00	99.84
149.0-149.5	0.1	0.0	139.6	0.00	99.85
149.5-150.0	0.1	0.0	139.6	0.00	99.85
150.0-150.5	0.2	0.0	139.6	0.00	99.85
150.5-151.0	0.2	0.0	139.7	0.00	99.86
151.0-151.5	0.3	0.0	139.7	0.00	99.86
151.5-152.0	0.2	0.0	139.7	0.00	99.87
152.0-152.5	0.2	0.0	139.7	0.00	99.87
152.5-153.0	0.2	0.0	139.7	0.00	99.88
153.0-153.5	0.2	0.0	139.7	0.00	99.88
153.5-154.0	0.2	0.0	139.7	0.00	99.88
154.0-154.5	0.3	0.0	139.7	0.00	99.89
154.5-155.0	0.3	0.0	139.7	0.00	99.89
155.0-155.5	0.3	0.0	139.7	0.00	99.90
155.5-156.0	0.3	0.0	139.7	0.00	99.90
156.0-156.5	0.2	0.0	139.7	0.00	99.90
156.5-157.0	0.2	0.0	139.7	0.00	99.91
157.0-157.5	0.2	0.0	139.7	0.00	99.91
157.5-158.0	0.3	0.0	139.7	0.00	99.92
158.0-158.5	0.3	0.0	139.7	0.00	99.92
158.5-159.0	0.2	0.0	139.7	0.00	99.92
159.0-159.5	0.2	0.0	139.7	0.00	99.93
159.5-160.0	0.2	0.0	139.8	0.00	99.93
160.0-160.5	0.2	0.0	139.8	0.00	99.93
160.5-161.0	0.2	0.0	139.8	0.00	99.94
161.0-161.5	0.3	0.0	139.8	0.00	99.94
161.5-162.0	0.3	0.0	139.8	0.00	99.94

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 9)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
162.0-162.5	0.3	0.0	139.8	0.00	99.94
162.5-163.0	0.3	0.0	139.8	0.00	99.95
163.0-163.5	0.2	0.0	139.8	0.00	99.95
163.5-164.0	0.2	0.0	139.8	0.00	99.95
164.0-164.5	0.2	0.0	139.8	0.00	99.96
164.5-165.0	0.3	0.0	139.8	0.00	99.96
165.0-165.5	0.3	0.0	139.8	0.00	99.96
165.5-166.0	0.3	0.0	139.8	0.00	99.96
166.0-166.5	0.3	0.0	139.8	0.00	99.97
166.5-167.0	0.3	0.0	139.8	0.00	99.97
167.0-167.5	0.3	0.0	139.8	0.00	99.97
167.5-168.0	0.2	0.0	139.8	0.00	99.97
168.0-168.5	0.3	0.0	139.8	0.00	99.97
168.5-169.0	0.3	0.0	139.8	0.00	99.98
169.0-169.5	0.4	0.0	139.8	0.00	99.98
169.5-170.0	0.4	0.0	139.8	0.00	99.98
170.0-170.5	0.3	0.0	139.8	0.00	99.98
170.5-171.0	0.3	0.0	139.8	0.00	99.99
171.0-171.5	0.3	0.0	139.8	0.00	99.99
171.5-172.0	0.3	0.0	139.8	0.00	99.99
172.0-172.5	0.3	0.0	139.8	0.00	99.99
172.5-173.0	0.3	0.0	139.8	0.00	99.99
173.0-173.5	0.3	0.0	139.8	0.00	99.99
173.5-174.0	0.3	0.0	139.8	0.00	100.00
174.0-174.5	0.3	0.0	139.8	0.00	100.00
174.5-175.0	0.2	0.0	139.8	0.00	100.00
175.0-175.5	0.2	0.0	139.8	0.00	100.00
175.5-176.0	0.2	0.0	139.8	0.00	100.00
176.0-176.5	0.2	0.0	139.8	0.00	100.00
176.5-177.0	0.2	0.0	139.8	0.00	100.00
177.0-177.5	0.2	0.0	139.8	0.00	100.00
177.5-178.0	0.2	0.0	139.8	0.00	100.00
178.0-178.5	0.2	0.0	139.8	0.00	100.00
178.5-179.0	0.2	0.0	139.8	0.00	100.00
179.0-179.5	0.2	0.0	139.8	0.00	100.00
179.5-180.0	0.2	0.0	139.8	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	60.1	59.9	58.5	58.5	60.1	59.9	58.5	58.5	60.1	
G0.5	60.0	59.9	58.4	58.5	60.0	59.8	58.4	58.5	60.0	
G1.0	60.1	60.0	58.6	58.6	59.9	59.7	58.2	58.5	60.1	
G1.5	60.1	60.1	58.7	58.6	59.8	59.8	58.2	58.5	60.1	
G2.0	60.2	60.2	58.7	58.7	60.0	59.7	58.2	58.4	60.2	
G2.5	60.3	60.1	58.8	58.8	59.9	59.8	58.1	58.4	60.3	
G3.0	60.1	60.2	58.8	58.7	59.9	59.7	58.0	58.4	60.1	
G3.5	60.0	60.1	58.7	58.8	59.9	59.8	58.0	58.3	60.0	
G4.0	59.9	60.0	58.8	58.8	59.9	59.7	58.0	58.3	59.9	
G4.5	59.5	60.0	58.8	58.7	59.8	59.7	58.0	58.3	59.5	
G5.0	59.7	59.9	58.8	58.8	59.7	59.8	57.9	58.1	59.7	
G5.5	59.3	59.8	58.6	58.8	59.7	59.7	57.8	58.1	59.3	
G6.0	59.6	59.7	58.5	58.8	59.7	59.8	57.7	58.0	59.6	
G6.5	59.6	59.7	58.4	58.8	59.6	59.7	57.6	57.8	59.6	
G7.0	59.5	59.5	58.3	58.7	59.6	59.7	57.4	57.6	59.5	
G7.5	59.4	59.5	58.2	58.7	59.4	59.6	57.3	57.4	59.4	
G8.0	59.3	59.3	58.1	58.7	59.3	59.6	57.2	57.3	59.3	
G8.5	59.2	59.2	58.0	58.6	59.3	59.5	57.0	57.1	59.2	
G9.0	59.1	59.1	57.8	58.4	58.8	59.4	56.9	56.9	59.1	
G9.5	59.0	59.0	57.7	58.3	59.0	59.2	56.7	56.8	59.0	
G10.0	58.8	59.2	57.6	58.2	59.3	59.1	56.6	56.7	58.8	
G10.5	58.8	58.8	57.5	58.0	59.0	59.0	56.5	56.6	58.8	
G11.0	58.7	58.7	57.4	57.8	58.9	58.8	56.4	56.5	58.7	
G11.5	58.7	58.5	57.3	57.8	58.9	58.7	56.4	56.4	58.7	
G12.0	58.7	58.3	57.0	57.5	58.8	58.5	56.3	56.2	58.7	
G12.5	58.6	58.3	56.9	57.6	59.0	57.9	56.2	56.2	58.6	
G13.0	58.6	58.1	58.3	57.5	58.6	58.1	56.2	56.0	58.6	
G13.5	58.3	57.8	58.1	58.6	58.5	57.9	56.0	55.8	58.3	
G14.0	58.2	57.9	58.0	58.7	58.5	57.6	55.9	55.7	58.2	
G14.5	58.0	57.6	56.3	58.5	58.3	57.6	55.8	55.5	58.0	
G15.0	57.9	57.5	56.3	58.4	58.1	57.5	55.6	55.4	57.9	
G15.5	57.9	57.3	56.2	57.0	58.0	57.3	55.4	55.2	57.9	
G16.0	57.5	57.2	57.4	56.8	57.8	57.3	55.2	55.0	57.5	
G16.5	57.3	57.0	57.3	56.5	57.6	57.2	55.0	54.8	57.3	
G17.0	57.1	56.8	57.0	56.4	57.4	57.4	54.8	54.6	57.1	
G17.5	56.9	56.6	57.0	56.3	57.2	57.0	54.5	54.5	56.9	
G18.0	56.6	56.3	55.4	56.0	57.1	56.9	54.4	54.2	56.6	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G18.5	56.3	56.0	55.2	56.0	57.2	57.1	54.1	54.0	56.3	
G19.0	56.2	56.1	55.0	55.8	56.7	56.7	53.8	53.7	56.2	
G19.5	56.1	55.5	54.8	55.6	55.1	56.5	53.4	53.6	56.1	
G20.0	55.8	55.4	54.6	56.7	55.0	56.3	53.3	53.3	55.8	
G20.5	55.6	55.2	54.3	56.3	54.8	56.0	53.0	53.0	55.6	
G21.0	55.4	54.8	54.1	56.9	56.1	56.0	52.7	52.8	55.4	
G21.5	55.2	54.6	53.9	56.1	55.8	55.7	52.7	52.5	55.2	
G22.0	55.0	54.2	53.7	56.0	55.6	55.5	52.5	52.1	55.0	
G22.5	54.7	54.0	53.3	55.8	55.3	55.3	52.2	52.0	54.7	
G23.0	54.5	53.7	53.1	55.7	55.2	55.1	52.1	51.7	54.5	
G23.5	54.2	53.5	52.9	55.4	55.1	54.9	51.9	51.4	54.2	
G24.0	53.9	53.3	52.7	55.2	54.6	54.7	51.6	52.4	53.9	
G24.5	53.6	53.2	52.5	54.9	54.5	55.1	51.3	52.3	53.6	
G25.0	53.3	52.9	52.2	53.2	54.2	54.3	51.1	51.7	53.3	
G25.5	53.0	52.7	52.0	53.0	53.9	54.2	50.9	50.4	53.0	
G26.0	52.7	52.3	53.5	52.7	53.7	54.4	50.5	50.1	52.7	
G26.5	52.4	52.3	53.0	53.6	53.5	53.7	50.3	49.8	52.4	
G27.0	52.1	51.8	52.9	53.3	53.4	53.4	50.1	49.5	52.1	
G27.5	51.8	51.6	52.6	53.1	53.0	53.2	49.7	49.2	51.8	
G28.0	51.4	51.3	52.4	52.7	52.7	53.0	49.4	48.8	51.4	
G28.5	51.1	51.0	52.2	51.3	52.3	52.7	49.2	48.5	51.1	
G29.0	50.7	50.7	50.3	51.0	52.0	52.6	48.8	48.2	50.7	
G29.5	50.5	50.3	50.2	50.8	51.8	52.1	48.5	47.9	50.5	
G30.0	50.2	49.9	49.9	50.5	51.4	51.8	48.2	47.6	50.2	
G30.5	49.9	49.8	49.7	50.4	51.1	51.5	47.8	47.3	49.9	
G31.0	49.5	49.5	49.2	50.1	50.9	51.0	47.5	47.0	49.5	
G31.5	49.3	49.0	48.9	51.0	50.6	51.4	47.3	46.6	49.3	
G32.0	48.9	48.9	48.5	50.7	50.3	50.3	47.0	46.2	48.9	
G32.5	48.4	48.5	49.7	50.3	49.9	50.1	46.7	45.8	48.4	
G33.0	48.2	48.2	49.3	50.0	49.2	49.8	46.4	45.5	48.2	
G33.5	47.9	47.9	49.3	49.6	49.3	49.4	45.9	45.1	47.9	
G34.0	47.6	47.5	48.5	49.1	49.0	49.2	45.6	44.7	47.6	
G34.5	47.3	47.3	48.3	48.8	48.5	48.8	45.3	44.2	47.3	
G35.0	47.0	46.8	48.0	48.5	48.1	48.5	44.7	43.9	47.0	
G35.5	46.7	46.5	46.1	48.2	47.6	48.1	45.8	43.5	46.7	
G36.0	46.3	46.1	45.9	47.8	47.3	47.7	45.4	42.9	46.3	
G36.5	46.0	45.5	45.5	47.5	46.9	47.3	44.9	42.5	46.0	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	45.6	45.3	45.1	47.2	46.3	46.8	43.1	41.9	45.6	
G37.5	45.1	44.8	44.9	46.7	44.5	46.6	42.6	41.5	45.1	
G38.0	44.8	44.3	44.4	46.4	44.0	46.2	42.0	40.8	44.8	
G38.5	44.4	43.8	45.5	45.9	43.6	45.9	41.4	40.2	44.4	
G39.0	43.8	43.2	45.1	45.6	43.1	45.5	40.8	39.5	43.8	
G39.5	43.3	42.6	44.7	45.2	42.8	44.9	40.3	39.1	43.3	
G40.0	42.8	42.0	42.6	44.6	42.4	44.6	39.7	38.6	42.8	
G40.5	42.4	41.5	42.3	44.3	41.9	44.3	39.1	37.9	42.4	
G41.0	41.8	40.9	41.7	43.9	41.4	43.8	38.5	37.4	41.8	
G41.5	41.2	39.9	41.0	43.5	40.9	43.4	37.8	36.8	41.2	
G42.0	40.6	39.7	40.6	41.6	41.6	43.0	37.1	36.0	40.6	
G42.5	40.0	38.6	40.1	41.2	41.4	42.5	36.4	35.5	40.0	
G43.0	39.2	38.3	39.5	40.7	40.5	41.9	35.8	34.7	39.2	
G43.5	38.3	37.7	38.9	41.4	39.8	41.4	35.1	33.8	38.3	
G44.0	37.6	37.1	38.4	40.7	38.9	40.8	34.5	33.2	37.6	
G44.5	36.8	36.3	37.9	40.1	38.5	40.2	33.8	32.4	36.8	
G45.0	36.1	35.7	38.9	39.5	37.9	39.5	33.1	31.6	36.1	
G45.5	35.1	34.9	38.2	38.8	37.3	38.8	32.3	30.9	35.1	
G46.0	34.4	34.2	37.5	38.3	36.9	38.1	31.6	30.2	34.4	
G46.5	33.6	34.0	36.8	37.7	35.8	37.1	30.9	29.4	33.6	
G47.0	32.7	32.5	36.1	36.9	33.8	36.3	30.1	28.6	32.7	
G47.5	31.9	31.9	35.2	36.3	33.1	35.5	29.2	27.9	31.9	
G48.0	31.1	31.1	32.9	35.3	32.2	34.6	28.5	27.2	31.1	
G48.5	30.2	30.3	32.2	34.7	32.9	33.8	27.6	26.4	30.2	
G49.0	29.4	29.5	31.3	33.9	32.0	32.9	26.7	25.7	29.4	
G49.5	28.7	28.5	30.5	33.0	31.0	32.0	25.9	24.9	28.7	
G50.0	27.9	27.4	29.8	32.0	30.4	31.1	25.2	24.2	27.9	
G50.5	27.5	27.0	29.0	31.6	30.3	30.3	24.4	23.4	27.5	
G51.0	26.3	26.2	28.0	30.8	29.3	29.4	23.7	22.7	26.3	
G51.5	25.5	25.6	27.4	30.1	27.9	28.7	23.0	22.0	25.5	
G52.0	24.7	25.0	26.6	29.3	27.2	27.7	22.3	21.3	24.7	
G52.5	24.4	24.0	25.7	28.6	26.4	26.9	21.7	20.6	24.4	
G53.0	23.3	23.5	25.1	27.8	25.5	26.1	21.0	20.0	23.3	
G53.5	22.6	22.8	24.4	27.1	24.9	25.3	20.4	19.4	22.6	
G54.0	21.9	22.2	25.0	26.1	24.1	24.6	19.8	18.8	21.9	
G54.5	21.3	22.1	24.4	25.5	23.3	23.8	19.2	18.1	21.3	
G55.0	20.4	20.9	23.4	24.7	21.3	23.3	18.7	17.6	20.4	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G55.5	20.0	20.2	22.8	24.1	20.6	22.5	18.1	17.0	20.0	
G56.0	19.3	19.6	22.4	23.2	20.1	21.7	17.6	16.5	19.3	
G56.5	18.6	19.0	21.7	22.5	20.9	21.2	16.8	16.0	18.6	
G57.0	18.1	18.6	21.1	21.8	20.2	20.5	16.5	15.6	18.1	
G57.5	17.2	17.9	20.9	21.0	19.7	19.8	16.0	14.8	17.2	
G58.0	16.9	17.5	19.7	20.4	19.1	19.2	15.3	14.6	16.9	
G58.5	16.3	17.0	19.2	19.7	18.6	18.6	15.0	14.1	16.3	
G59.0	15.7	16.3	17.1	19.1	17.8	18.0	14.5	13.4	15.7	
G59.5	15.2	16.0	16.4	18.5	17.3	17.3	13.9	13.2	15.2	
G60.0	14.7	15.5	15.9	18.0	17.0	16.8	13.6	12.8	14.7	
G60.5	14.1	14.9	16.9	17.4	17.0	16.2	13.3	12.2	14.1	
G61.0	13.6	14.5	16.3	16.8	15.8	15.5	12.8	12.0	13.6	
G61.5	13.1	14.0	15.8	16.3	14.0	15.1	12.4	11.6	13.1	
G62.0	12.7	13.6	15.2	15.5	13.5	14.8	12.0	11.2	12.7	
G62.5	12.3	13.2	14.8	15.2	12.9	14.1	11.6	10.8	12.3	
G63.0	11.7	12.6	14.2	14.8	12.6	13.8	11.3	10.4	11.7	
G63.5	11.5	12.3	13.7	14.3	12.1	13.4	10.9	10.1	11.5	
G64.0	11.0	11.8	13.5	13.9	11.7	13.0	10.5	9.7	11.0	
G64.5	10.5	11.4	13.1	13.4	12.8	12.5	10.0	9.2	10.5	
G65.0	10.4	10.9	12.9	13.1	12.3	12.3	9.5	8.8	10.4	
G65.5	9.9	10.3	12.4	12.6	12.5	11.8	9.1	8.3	9.9	
G66.0	9.6	10.0	12.1	12.5	12.1	11.3	8.6	7.8	9.6	
G66.5	9.2	9.4	11.7	12.2	11.3	11.1	8.1	7.4	9.2	
G67.0	8.8	9.0	11.3	11.9	10.6	10.7	7.7	6.9	8.8	
G67.5	8.4	8.7	10.8	11.6	10.2	10.2	7.3	6.5	8.4	
G68.0	8.2	8.4	10.5	11.1	9.8	10.0	6.8	6.1	8.2	
G68.5	7.8	7.8	9.9	10.9	9.4	9.6	6.5	5.8	7.8	
G69.0	7.5	7.6	9.4	10.3	7.5	9.3	6.1	5.4	7.5	
G69.5	7.1	7.2	8.8	10.0	7.0	8.9	5.7	5.1	7.1	
G70.0	6.8	6.8	8.8	9.4	6.7	8.1	5.4	4.8	6.8	
G70.5	6.5	6.5	8.1	8.7	6.1	7.7	4.9	4.5	6.5	
G71.0	6.0	6.2	7.7	8.2	5.9	7.6	4.8	4.2	6.0	
G71.5	5.8	5.9	7.1	7.7	5.6	7.2	4.5	3.9	5.8	
G72.0	5.5	5.5	6.8	7.5	5.1	6.8	4.0	3.7	5.5	
G72.5	5.1	5.3	6.5	7.2	6.5	6.5	3.9	3.5	5.1	
G73.0	5.0	5.1	6.0	6.6	6.3	6.2	3.7	3.1	5.0	
G73.5	4.9	4.7	5.7	6.2	5.7	5.8	3.2	3.1	4.9	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	4.5	4.8	5.5	5.9	5.8	5.4	3.2	2.9	4.5	
G74.5	4.1	4.5	5.3	5.6	5.3	5.5	3.0	2.4	4.1	
G75.0	4.1	4.1	5.1	5.2	5.4	5.1	2.6	2.5	4.1	
G75.5	3.9	4.1	4.8	5.0	4.6	4.7	2.6	2.3	3.9	
G76.0	3.8	3.8	4.5	4.8	4.6	4.6	2.4	1.8	3.8	
G76.5	3.4	3.7	4.4	4.7	4.5	4.4	2.2	1.8	3.4	
G77.0	3.3	3.4	4.1	4.4	2.7	4.2	2.0	1.6	3.3	
G77.5	2.9	3.2	3.9	4.1	2.5	3.9	1.8	1.5	2.9	
G78.0	2.5	3.0	3.5	3.8	2.3	3.7	1.6	1.2	2.5	
G78.5	2.7	2.8	3.4	3.5	1.9	3.6	1.4	0.8	2.7	
G79.0	2.3	2.7	3.3	3.4	3.4	3.3	1.1	0.9	2.3	
G79.5	2.3	2.5	2.8	3.3	3.2	3.1	1.0	0.7	2.3	
G80.0	2.1	2.1	3.3	3.0	2.8	2.9	0.8	0.5	2.1	
G80.5	2.1	2.1	2.6	2.8	1.3	2.5	0.6	0.4	2.1	
G81.0	1.7	1.9	2.4	2.5	1.1	2.5	0.4	0.1	1.7	
G81.5	1.6	1.5	2.2	2.4	0.7	2.3	0.2	0.0	1.6	
G82.0	1.4	1.5	2.0	2.0	0.8	2.0	0.1	0.0	1.4	
G82.5	1.2	1.4	1.8	2.1	0.6	2.0	0.0	0.0	1.2	
G83.0	1.1	1.4	1.6	1.8	0.4	1.8	0.0	0.0	1.1	
G83.5	0.9	1.1	1.5	1.6	0.2	1.6	0.0	0.0	0.9	
G84.0	0.7	0.9	1.3	1.4	0.1	1.3	0.0	0.0	0.7	
G84.5	0.6	0.8	1.0	1.3	0.0	1.3	0.0	0.0	0.6	
G85.0	0.5	0.7	1.8	1.0	1.2	1.1	0.0	0.0	0.5	
G85.5	0.2	0.6	0.9	0.8	1.0	0.9	0.0	0.0	0.2	
G86.0	0.3	0.4	0.5	0.9	1.0	0.8	0.0	0.0	0.3	
G86.5	0.2	0.2	0.6	0.7	0.0	0.7	0.0	0.0	0.2	
G87.0	0.1	0.2	0.4	0.5	0.0	0.6	0.0	0.0	0.1	
G87.5	0.2	0.3	0.3	0.4	0.0	0.5	0.0	0.0	0.2	
G88.0	0.2	0.1	0.4	0.7	0.5	0.3	0.0	0.0	0.2	
G88.5	0.7	0.3	0.3	0.1	0.4	0.1	0.0	0.0	0.7	
G89.0	0.5	0.3	0.3	0.0	0.3	0.2	0.0	0.0	0.5	
G89.5	0.2	0.4	0.3	0.0	0.1	0.2	0.0	0.0	0.2	
G90.0	0.2	0.3	0.3	0.0	0.3	0.1	0.0	0.0	0.2	
G90.5	0.0	0.3	0.3	0.0	0.2	0.3	0.0	0.0	0.0	
G91.0	0.1	0.3	0.1	0.0	0.1	0.2	0.3	0.0	0.1	
G91.5	0.2	0.3	0.3	0.0	0.0	0.2	0.2	0.0	0.2	
G92.0	0.0	0.0	0.3	0.0	0.3	0.3	0.2	0.0	0.0	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 5)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G92.5	0.3	0.2	0.1	0.4	0.1	0.3	0.3	0.0	0.3
G93.0	0.3	0.1	0.3	0.1	0.0	0.3	0.3	0.0	0.3
G93.5	0.4	0.3	0.3	0.2	0.0	0.3	0.3	0.0	0.4
G94.0	0.1	0.3	0.2	0.0	0.0	0.3	0.3	0.0	0.1
G94.5	0.5	0.2	0.2	0.0	0.2	0.3	0.3	0.0	0.5
G95.0	0.2	0.3	0.3	0.0	0.3	0.0	0.3	0.0	0.2
G95.5	0.3	0.3	0.3	0.0	0.2	0.3	0.0	0.0	0.3
G96.0	0.6	0.3	0.3	0.0	0.0	0.3	0.0	0.0	0.6
G96.5	0.3	0.3	0.2	0.0	0.0	0.1	0.0	0.0	0.3
G97.0	0.1	0.3	0.3	0.0	0.0	0.2	0.0	0.0	0.1
G97.5	0.2	0.4	0.1	0.0	0.2	0.4	0.0	0.0	0.2
G98.0	0.3	0.0	0.3	0.0	0.3	0.1	0.0	0.0	0.3
G98.5	0.1	0.8	0.3	0.0	0.3	0.3	0.0	0.0	0.1
G99.0	0.7	0.1	0.1	0.0	0.8	0.3	0.3	0.0	0.7
G99.5	0.3	0.0	0.3	0.0	0.2	0.3	0.4	0.0	0.3
G100.0	0.3	0.0	0.3	0.0	0.3	0.3	0.1	0.0	0.3
G100.5	0.3	0.0	0.3	0.0	0.1	0.3	0.3	0.0	0.3
G101.0	0.0	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.0
G101.5	0.2	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.2
G102.0	0.6	0.0	0.3	0.0	0.0	0.3	0.4	0.0	0.6
G102.5	0.3	0.0	0.2	0.0	0.0	0.3	0.3	0.0	0.3
G103.0	0.4	0.0	0.2	0.0	0.0	0.1	0.4	0.0	0.4
G103.5	0.1	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.1
G104.0	0.3	0.0	0.1	0.0	0.3	0.3	0.3	0.0	0.3
G104.5	0.3	0.0	0.3	0.0	0.3	0.1	0.2	0.0	0.3
G105.0	0.1	0.0	0.3	0.0	0.1	0.3	0.3	0.0	0.1
G105.5	0.3	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.3
G106.0	0.3	0.0	0.3	0.0	0.0	0.1	0.3	0.0	0.3
G106.5	0.3	0.0	0.3	0.0	0.0	0.3	0.2	0.0	0.3
G107.0	0.3	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.3
G107.5	0.3	0.0	0.3	0.0	0.0	0.3	0.2	0.0	0.3
G108.0	0.3	0.0	0.1	0.0	0.0	0.3	0.1	0.0	0.3
G108.5	0.2	0.0	0.3	0.0	0.2	0.3	0.3	0.0	0.2
G109.0	0.2	0.0	0.2	0.0	0.3	0.4	0.3	0.0	0.2
G109.5	0.3	0.0	0.3	0.0	0.3	0.3	0.3	0.0	0.3
G110.0	0.1	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.1
G110.5	0.3	0.0	0.2	0.0	0.0	0.3	0.3	0.0	0.3

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 6)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G111.0	0.3	0.0	0.3	0.0	0.0	0.3	0.3	0.0	0.3
G111.5	0.1	0.0	0.3	0.0	0.3	0.3	0.7	0.0	0.1
G112.0	0.3	0.0	0.7	0.0	0.3	0.3	0.7	0.0	0.3
G112.5	0.1	0.0	0.4	0.0	0.9	0.2	0.3	0.0	0.1
G113.0	0.1	0.0	0.3	0.0	0.3	0.3	0.3	0.0	0.1
G113.5	0.3	0.0	0.3	0.0	0.3	0.4	0.3	0.0	0.3
G114.0	0.3	0.0	0.3	0.0	0.3	0.1	0.3	0.0	0.3
G114.5	0.3	0.0	0.2	0.0	0.1	0.3	0.1	0.0	0.3
G115.0	0.7	0.0	0.3	0.0	0.3	0.4	0.3	0.0	0.7
G115.5	0.3	0.0	0.1	0.0	0.3	0.4	0.3	0.0	0.3
G116.0	0.3	0.0	0.3	0.0	0.1	0.3	0.2	0.0	0.3
G116.5	0.9	0.0	0.3	0.0	0.0	0.5	0.0	0.0	0.9
G117.0	0.3	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.3
G117.5	0.3	0.0	0.3	0.0	0.0	0.2	0.0	0.0	0.3
G118.0	0.2	0.0	0.4	0.0	0.0	0.3	0.4	0.0	0.2
G118.5	0.4	0.0	0.4	0.0	0.0	0.4	0.4	0.0	0.4
G119.0	0.3	0.0	0.4	0.0	0.0	0.3	0.2	0.0	0.3
G119.5	0.1	0.0	0.7	0.0	0.3	0.4	0.0	0.0	0.1
G120.0	0.3	0.0	0.4	0.0	0.2	0.3	0.0	0.0	0.3
G120.5	0.3	0.0	0.3	0.0	0.3	0.2	0.0	0.0	0.3
G121.0	0.4	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4
G121.5	0.3	0.0	0.3	0.0	0.0	0.4	0.0	0.0	0.3
G122.0	0.3	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.3
G122.5	0.3	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.3
G123.0	0.4	0.0	0.5	0.0	0.0	0.4	0.0	0.0	0.4
G123.5	0.4	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.4
G124.0	0.4	0.0	0.4	0.0	0.4	0.4	0.0	0.0	0.4
G124.5	0.2	0.0	0.4	0.0	0.3	0.4	0.0	0.0	0.2
G125.0	0.3	0.0	0.4	0.0	0.3	0.4	0.0	0.0	0.3
G125.5	0.3	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.3
G126.0	0.2	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.2
G126.5	0.4	0.0	1.0	0.0	0.0	0.4	0.0	0.0	0.4
G127.0	0.4	0.0	0.4	0.4	0.0	0.5	0.0	0.0	0.4
G127.5	0.4	0.0	0.4	0.4	0.0	0.6	0.0	0.0	0.4
G128.0	0.3	0.0	0.5	0.5	0.0	0.4	0.0	0.0	0.3
G128.5	0.4	0.0	0.2	0.4	0.0	0.2	0.0	0.0	0.4
G129.0	0.4	0.0	0.4	0.4	0.0	0.4	0.0	0.0	0.4

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G129.5	0.4	0.0	0.5	0.4	0.0	0.4	0.0	0.0	0.4
G130.0	0.4	0.0	0.2	0.0	0.3	0.2	0.0	0.0	0.4
G130.5	0.4	0.0	0.4	0.0	0.4	0.4	0.0	0.0	0.4
G131.0	0.2	0.0	0.4	0.0	0.4	0.4	0.0	0.0	0.2
G131.5	0.4	0.0	0.4	0.2	0.0	0.4	0.0	0.0	0.4
G132.0	0.4	0.0	0.4	0.3	0.0	0.4	0.0	0.0	0.4
G132.5	0.2	0.0	0.3	0.5	0.0	0.4	0.0	0.0	0.2
G133.0	0.5	0.0	0.4	0.0	0.0	0.6	0.0	0.0	0.5
G133.5	0.4	0.0	0.3	0.0	0.4	0.4	0.0	0.0	0.4
G134.0	1.0	0.0	0.4	0.0	0.4	0.4	0.0	0.0	1.0
G134.5	0.4	0.0	0.4	0.0	0.2	0.4	0.0	0.0	0.4
G135.0	0.4	0.0	0.3	0.5	0.0	0.2	0.0	0.0	0.4
G135.5	0.4	0.0	0.4	0.4	0.0	0.3	0.0	0.0	0.4
G136.0	0.4	0.0	0.4	0.6	0.0	0.4	0.0	0.0	0.4
G136.5	0.4	0.0	0.3	0.0	0.4	0.2	0.0	0.0	0.4
G137.0	0.9	0.0	0.5	0.0	0.4	0.4	0.0	0.0	0.9
G137.5	0.3	0.0	0.4	0.0	0.3	0.4	0.0	0.0	0.3
G138.0	0.5	0.0	0.4	0.0	0.3	0.2	0.0	0.0	0.5
G138.5	0.4	0.0	0.5	0.0	0.4	0.4	0.0	0.0	0.4
G139.0	0.3	0.0	0.4	0.0	0.4	0.5	0.0	0.0	0.3
G139.5	0.4	0.0	0.5	0.0	0.4	0.4	0.0	0.0	0.4
G140.0	0.4	0.0	0.4	0.0	0.4	0.8	0.0	0.0	0.4
G140.5	0.5	0.0	0.4	0.0	0.6	0.4	0.0	0.0	0.5
G141.0	0.4	0.0	0.4	0.0	0.4	0.4	0.0	0.0	0.4
G141.5	0.4	0.0	0.2	0.0	0.4	0.1	0.0	0.0	0.4
G142.0	0.4	0.0	0.4	0.0	0.4	0.5	0.0	0.0	0.4
G142.5	0.5	0.0	0.4	0.0	0.2	0.5	0.0	0.0	0.5
G143.0	0.5	0.0	0.3	0.0	0.4	0.3	0.0	0.0	0.5
G143.5	0.5	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.5
G144.0	0.3	0.0	0.5	0.0	0.2	0.4	0.0	0.0	0.3
G144.5	0.5	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.5
G145.0	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5
G145.5	0.3	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.3
G146.0	0.4	0.0	0.2	0.0	0.0	0.4	0.0	0.0	0.4
G146.5	0.5	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5
G147.0	0.2	0.0	0.7	0.0	0.0	0.5	0.0	0.0	0.2
G147.5	0.3	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.3

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 8)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0
G148.0	0.6	0.0	0.7	0.0	0.4	0.4	0.0	0.0	0.6
G148.5	0.4	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.4
G149.0	0.4	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.4
G149.5	0.2	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.2
G150.0	0.4	0.0	0.4	0.0	0.0	0.5	0.0	0.0	0.4
G150.5	0.5	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.5
G151.0	0.5	0.0	0.3	0.0	0.8	0.3	0.0	0.0	0.5
G151.5	0.5	0.0	0.5	0.0	0.8	0.5	0.0	0.0	0.5
G152.0	0.3	0.0	0.5	0.0	0.4	0.4	0.0	0.0	0.3
G152.5	0.6	0.0	0.5	0.0	0.4	0.3	0.0	0.0	0.6
G153.0	0.5	0.0	0.6	0.0	0.4	0.5	0.0	0.0	0.5
G153.5	0.3	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.3
G154.0	0.5	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.5
G154.5	0.4	0.4	0.5	0.0	0.4	0.5	0.0	0.0	0.4
G155.0	0.5	0.4	0.5	0.0	0.3	0.5	0.0	0.0	0.5
G155.5	0.5	0.4	0.4	0.0	0.5	0.5	0.0	0.0	0.5
G156.0	0.5	0.0	0.4	0.0	0.4	0.5	0.0	0.0	0.5
G156.5	0.5	0.0	0.4	0.0	0.3	0.5	0.0	0.0	0.5
G157.0	0.3	0.0	0.3	0.0	0.5	0.5	0.0	0.0	0.3
G157.5	0.5	0.0	0.4	0.0	0.3	0.3	0.4	0.0	0.5
G158.0	0.5	0.0	0.5	0.0	0.5	0.5	0.4	0.0	0.5
G158.5	0.5	0.0	0.5	0.0	0.4	0.5	0.3	0.0	0.5
G159.0	0.5	0.0	0.4	0.0	0.4	0.3	0.0	0.0	0.5
G159.5	0.5	0.0	0.6	0.0	0.6	0.6	0.0	0.0	0.5
G160.0	0.3	0.0	0.5	0.0	0.4	0.5	0.0	0.0	0.3
G160.5	0.5	0.0	0.1	0.0	0.7	0.5	0.0	0.0	0.5
G161.0	0.5	0.0	0.5	0.0	0.7	0.4	0.0	0.0	0.5
G161.5	0.2	0.0	1.0	0.0	0.3	0.5	0.0	0.0	0.2
G162.0	0.5	0.0	0.5	0.0	0.5	0.5	0.0	0.0	0.5
G162.5	0.5	0.0	0.5	0.0	0.5	0.6	0.3	0.0	0.5
G163.0	0.5	0.0	0.5	0.0	0.3	0.3	0.4	0.0	0.5
G163.5	0.5	0.0	0.5	0.0	0.0	0.5	0.4	0.0	0.5
G164.0	0.5	0.0	0.3	0.0	0.0	0.3	0.4	0.0	0.5
G164.5	0.5	0.0	0.5	0.0	0.0	0.4	0.4	0.0	0.5
G165.0	0.5	0.0	0.5	0.0	0.6	0.5	0.4	0.0	0.5
G165.5	0.5	0.0	0.3	0.0	0.4	0.3	0.2	0.0	0.5
G166.0	0.6	0.0	0.5	0.0	0.5	0.5	0.3	0.0	0.6

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:0.5  
 Test Device: GPM-1600  
 Distance: 8.177 m  
 Humidity:  
 Inspector:

