

Report No.:

Test Time: 2022-06-30 14:14

## Luminaire Property

Luminaire Manufacturer:

Luminaire Description: VAP2311BL

Current: 0.073 A

Power Factor: 0.925

Voltage: 120.0 V

Power: 8.07 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 551.7 lm

Downward Ratio: 92%

Horizontal Diffuse Angle(50%): H38.9

Vertical Diffuse Angle(50%): V42.1

Luminaire Efficacy Rating (LER): 68.41

Max. Intensity: 799.79 cd

S/MH(C0/C180): 0.65

Total Rated Lamp Lumens: 551.7 lm

Efficiency: 100%

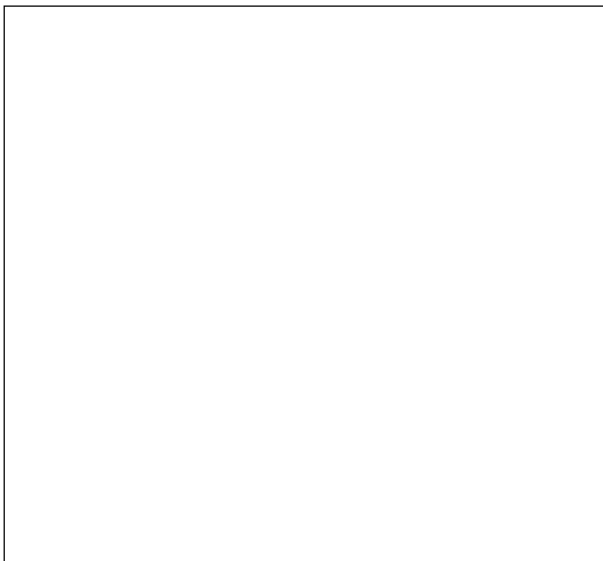
Upward Ratio: 8%

Central Intensity: 670.38 cd

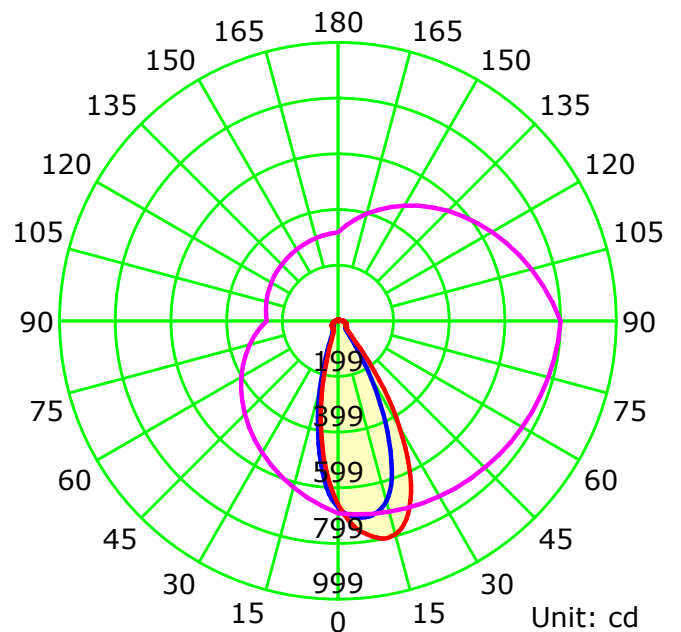
Pos of Max. Intensity: H90 V13

S/MH(C90/C270): 0.74

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 39.1°

— C0-C180 — C90-C270 — G13

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

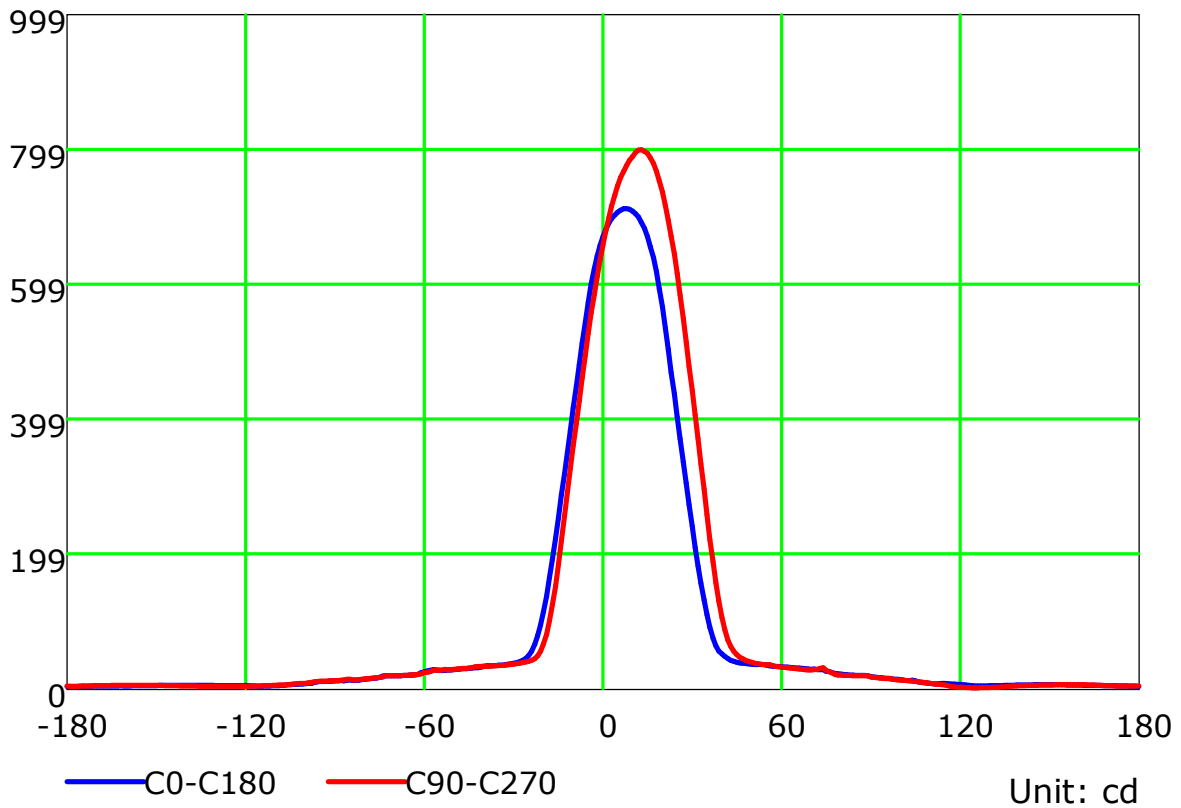
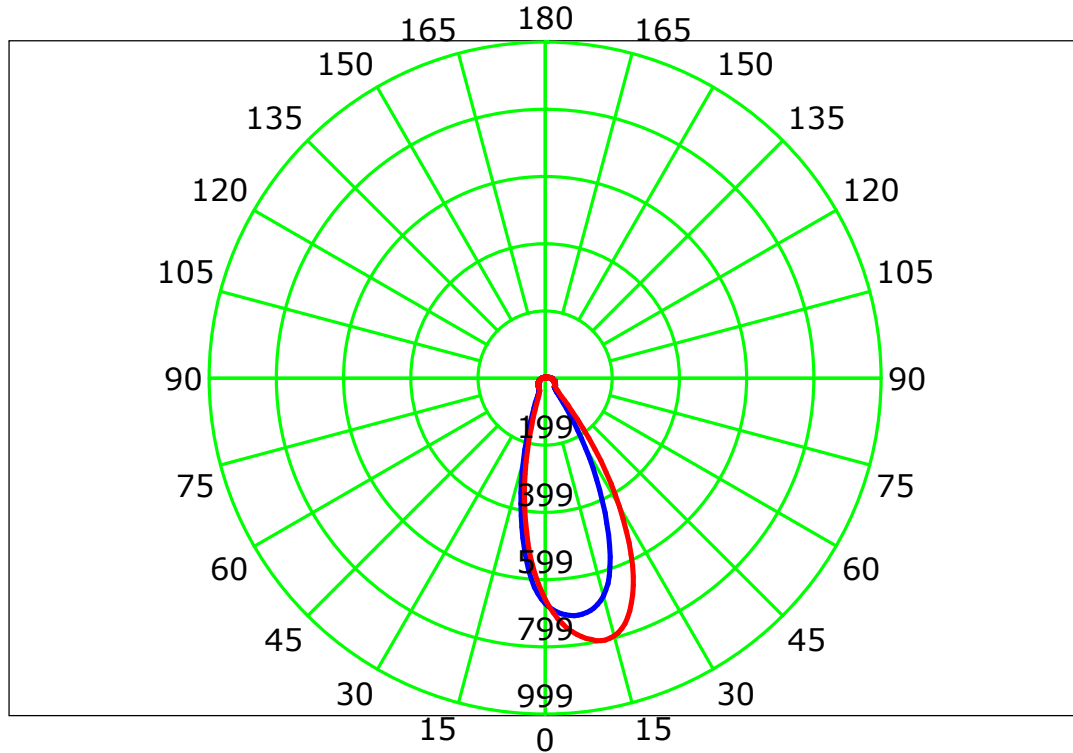
Test Device: GPM-1600

Distance: 6.500 m

Humidity:

Inspector:

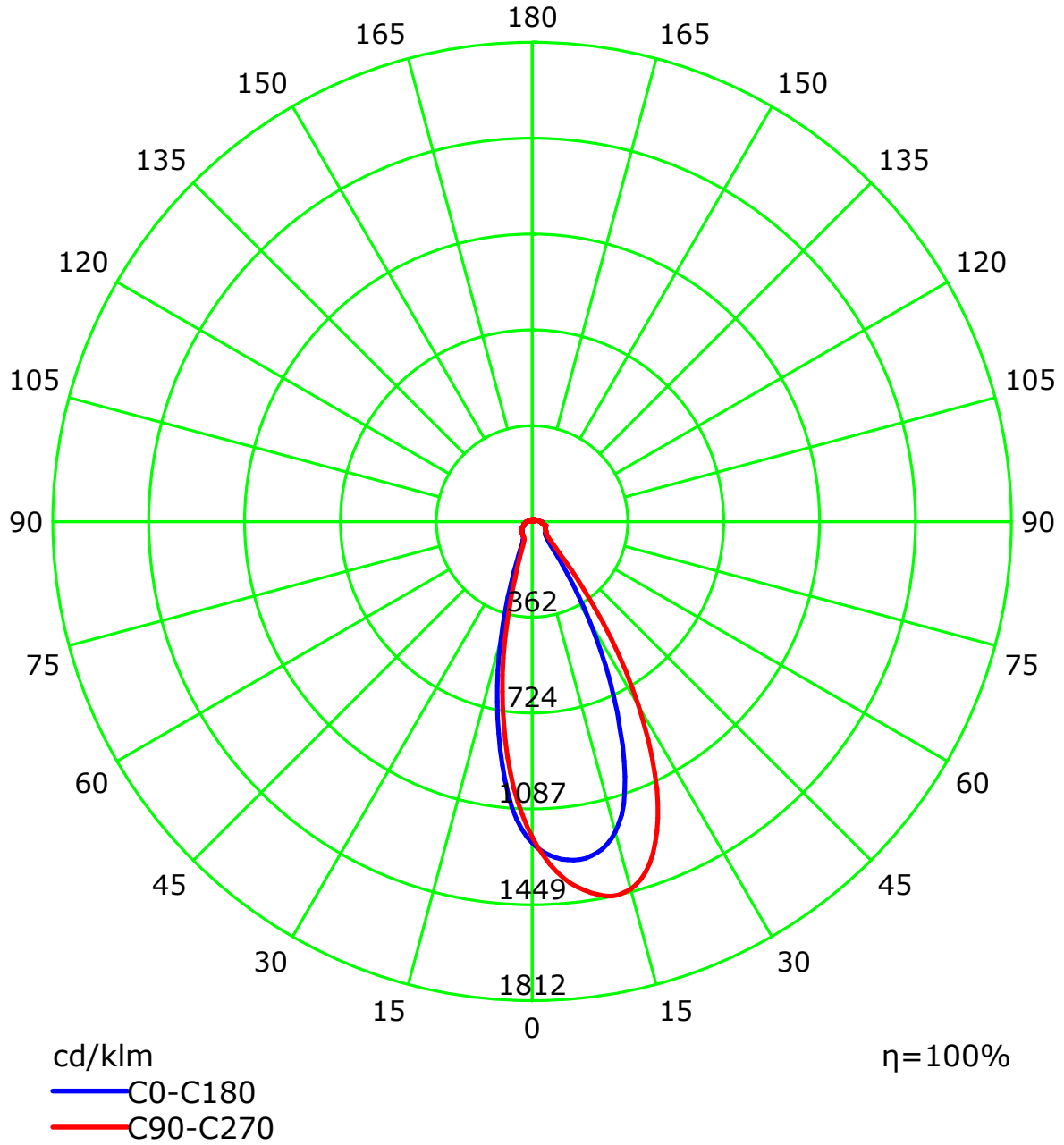
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



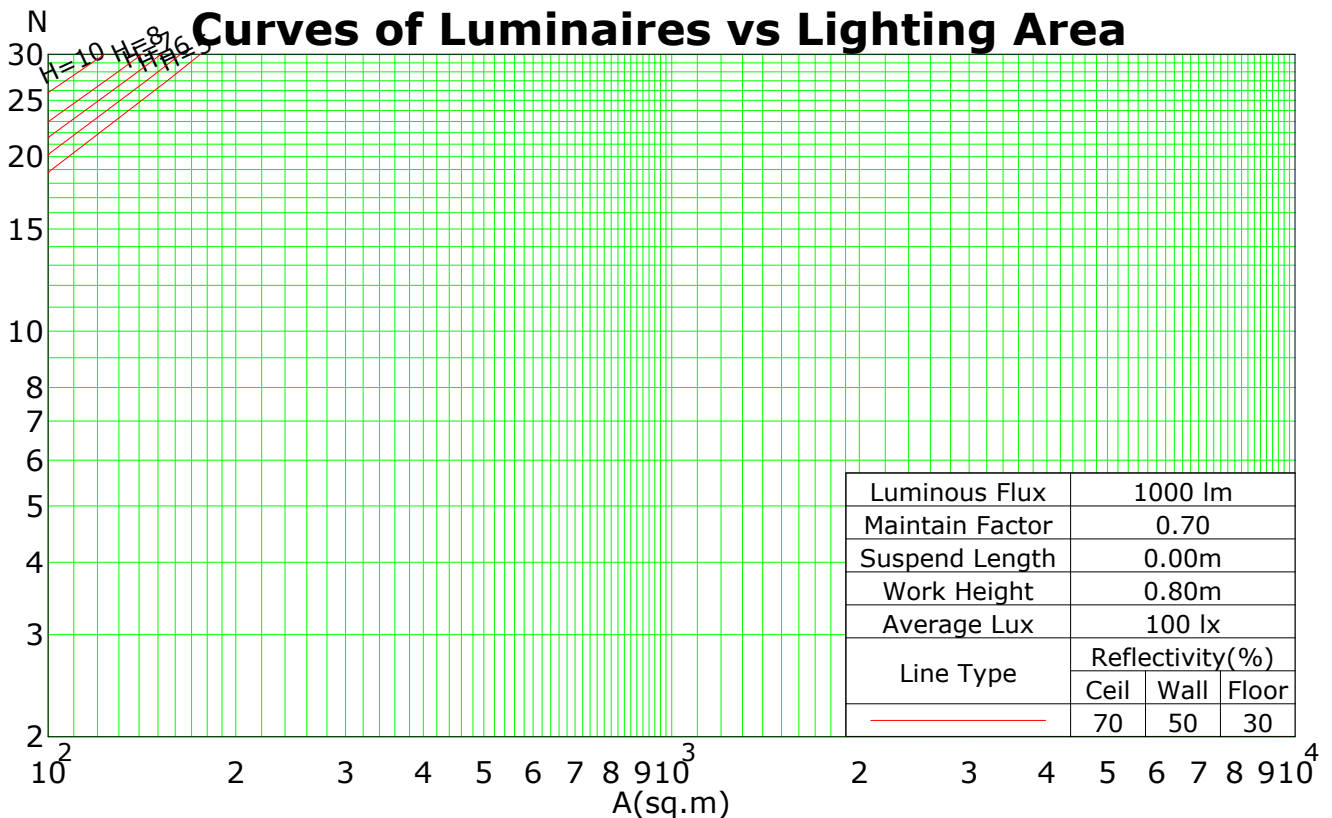
C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	109	105	101	98	106	102	99	96	96	94	92	91	89	87	87	85	84	81
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	80	78	75	73
3	96	87	81	76	93	85	80	75	82	77	73	78	74	71	75	71	69	66
4	90	81	74	69	87	79	73	68	76	70	66	73	68	65	70	66	63	61
5	85	75	68	63	83	74	67	62	71	65	61	68	63	60	66	62	59	57
6	80	70	63	58	78	69	62	58	66	61	57	64	59	56	62	58	55	53
7	76	66	59	54	74	64	58	54	62	57	53	61	56	52	59	54	51	49
8	72	62	55	50	71	61	54	50	59	53	49	57	52	49	56	51	48	46
9	69	58	52	47	67	57	51	47	56	50	46	54	49	46	53	49	45	44
10	66	55	49	45	64	54	48	44	53	48	44	52	47	43	50	46	43	41

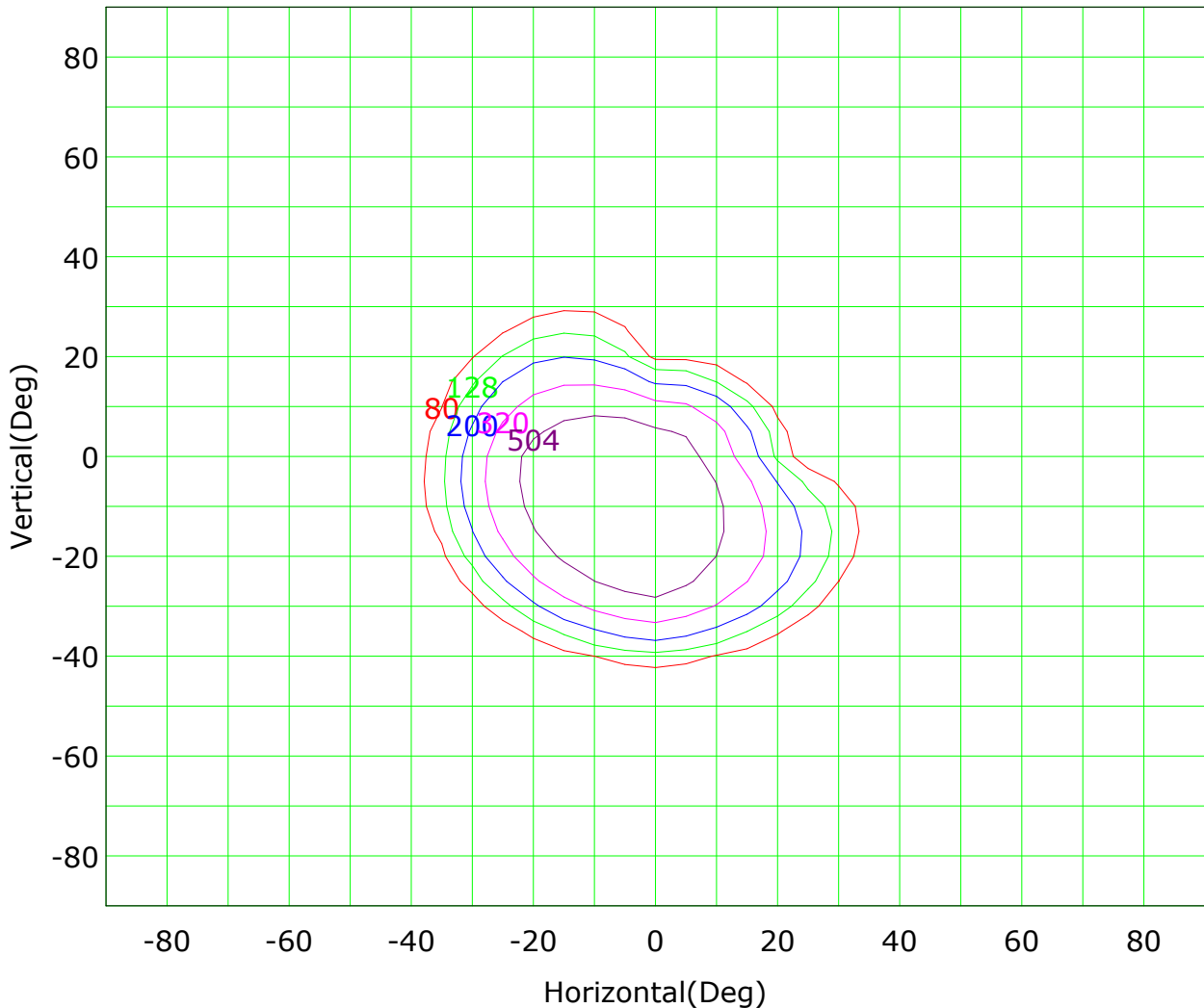
Spacing Criteria (0-180): 0.65  
 Spacing Criteria (90-270): 0.74  
 Spacing Criteria (Diagonal): 0.73



C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



Imax (100%): 800 cd

— ( 10%):	80 cd	— ( 16%):	128 cd
— ( 25%):	200 cd	— ( 40%):	320 cd
— ( 63%):	504 cd	— (100%):	800 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

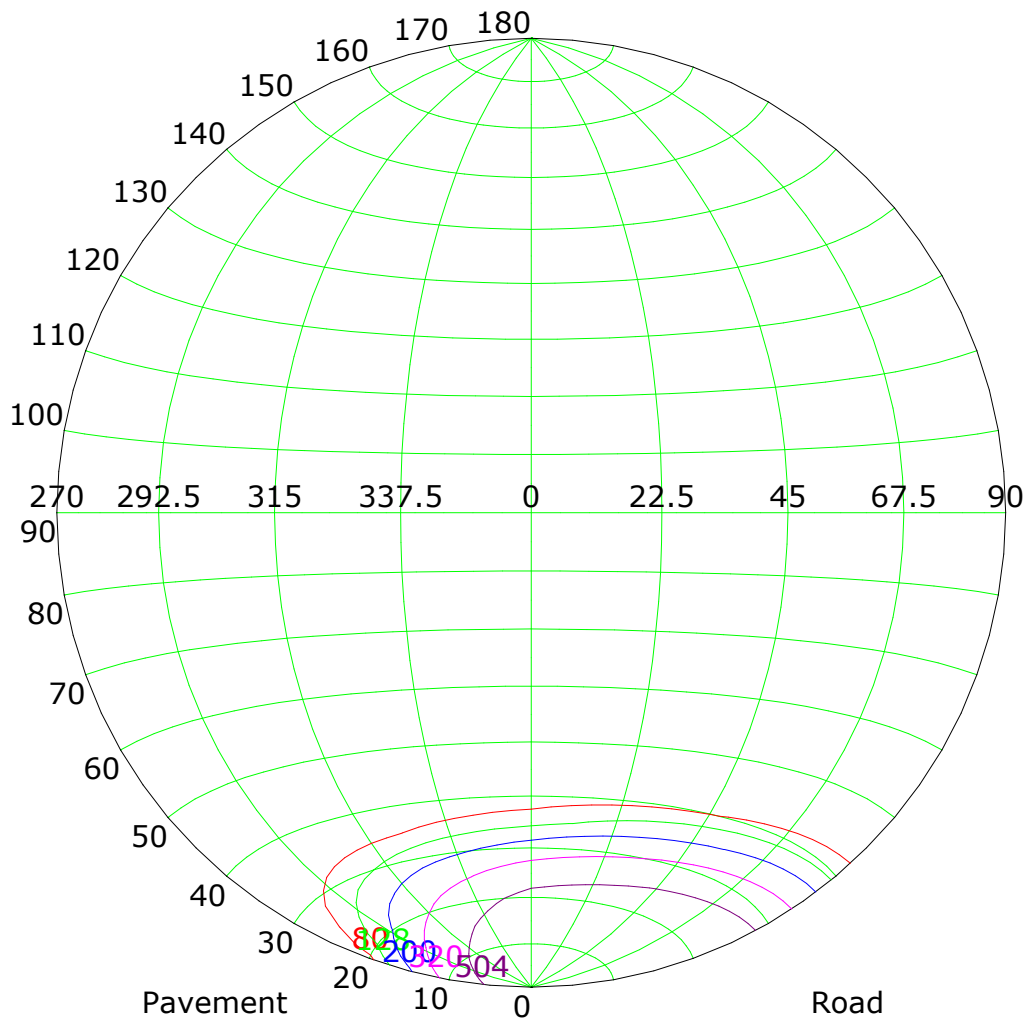
Test Device: GPM-1600

Distance: 6.500 m

Humidity:

Inspector:

## Isocandela (sphere)



Imax (100%): 800 cd

— ( 10%):	80 cd	— ( 16%):	128 cd
— ( 25%):	200 cd	— ( 40%):	320 cd
— ( 63%):	504 cd	— (100%):	800 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

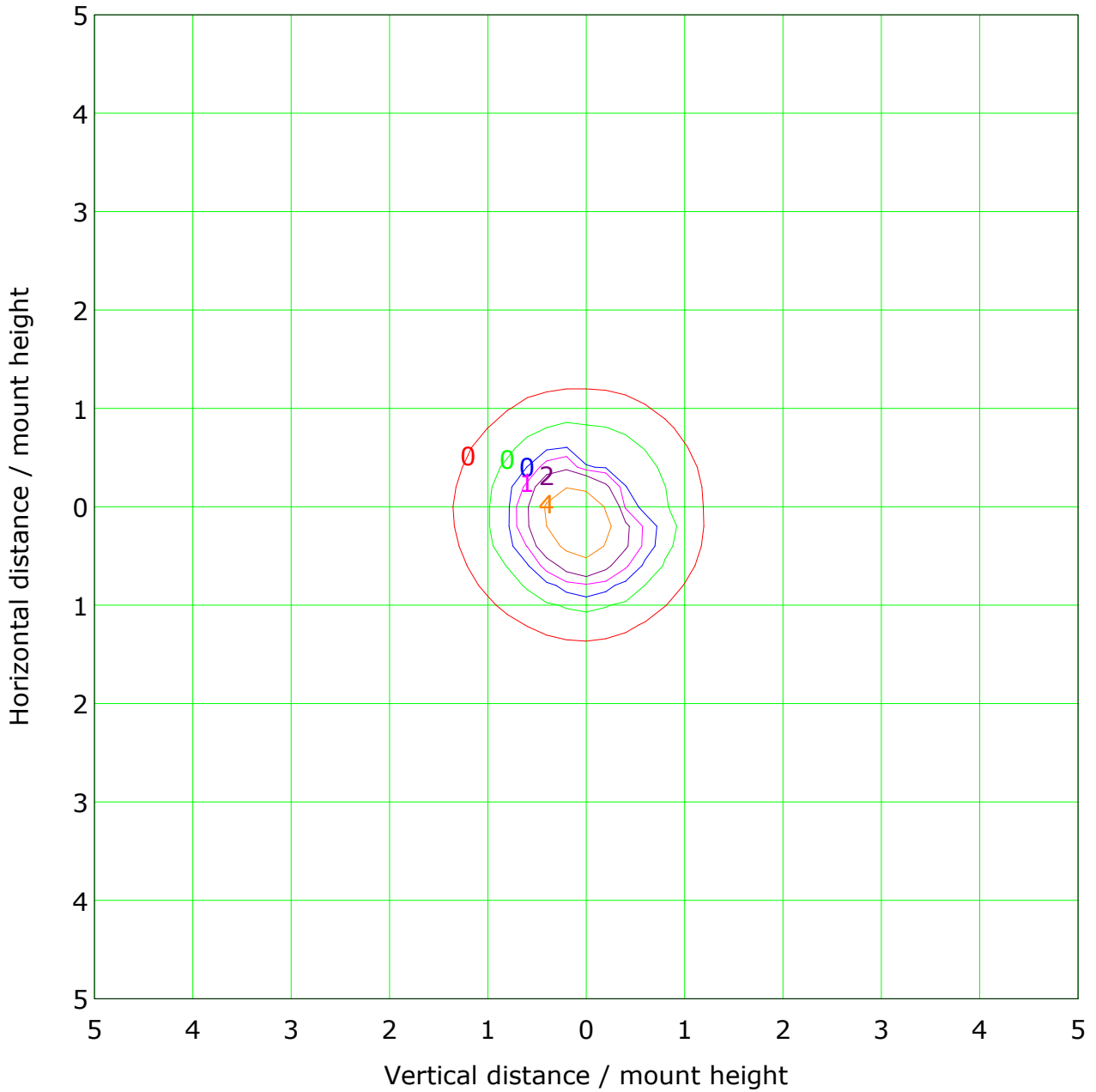
Test Device: GPM-1600

Distance: 6.500 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 7.6 lx  
 ( 1%): 0.1 lx                      ( 2%): 0.2 lx  
 ( 5%): 0.4 lx                      ( 10%): 0.8 lx  
 ( 20%): 1.5 lx                     ( 50%): 3.8 lx  
 (100%): 7.6 lx

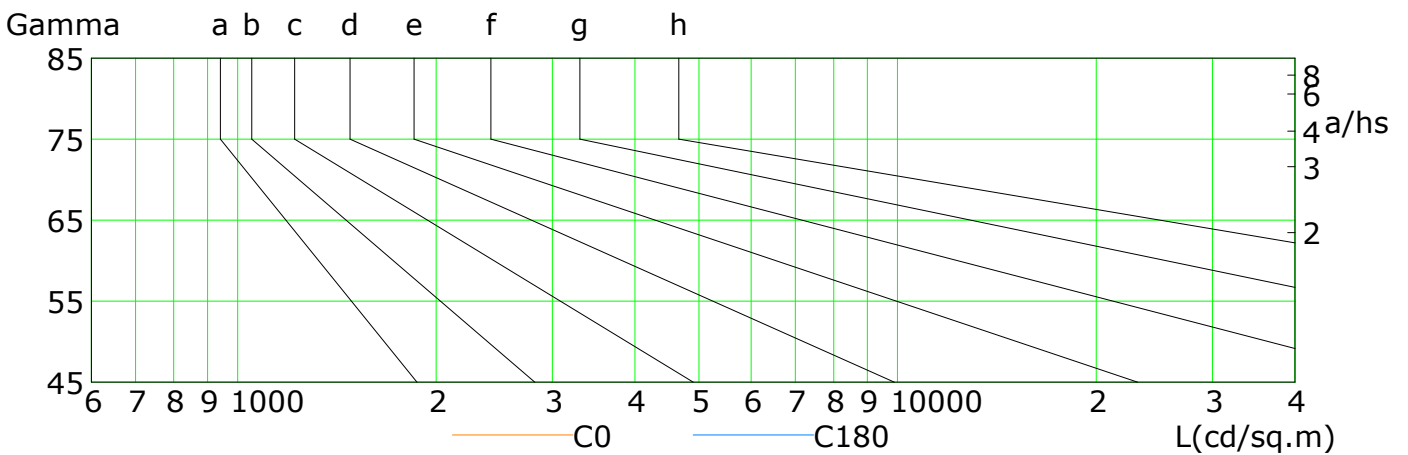
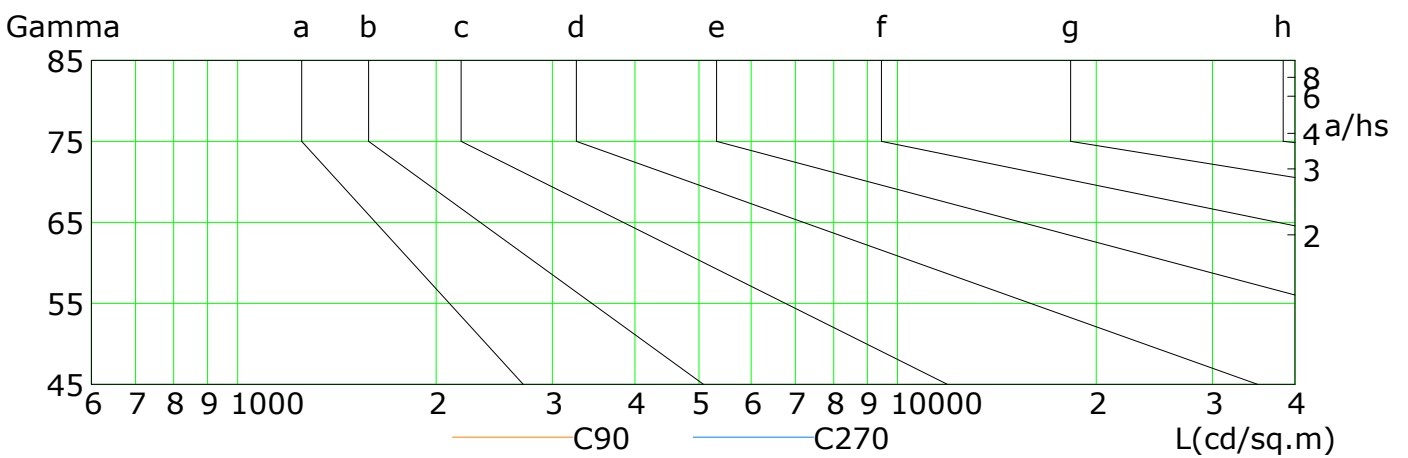
C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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	39	36	35	33	31	29	26	22	20
C90	51	39	36	32	30	28	27	20	19
C180	30	28	27	25	20	19	17	14	13
C270	31	29	27	24	20	19	17	14	14

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

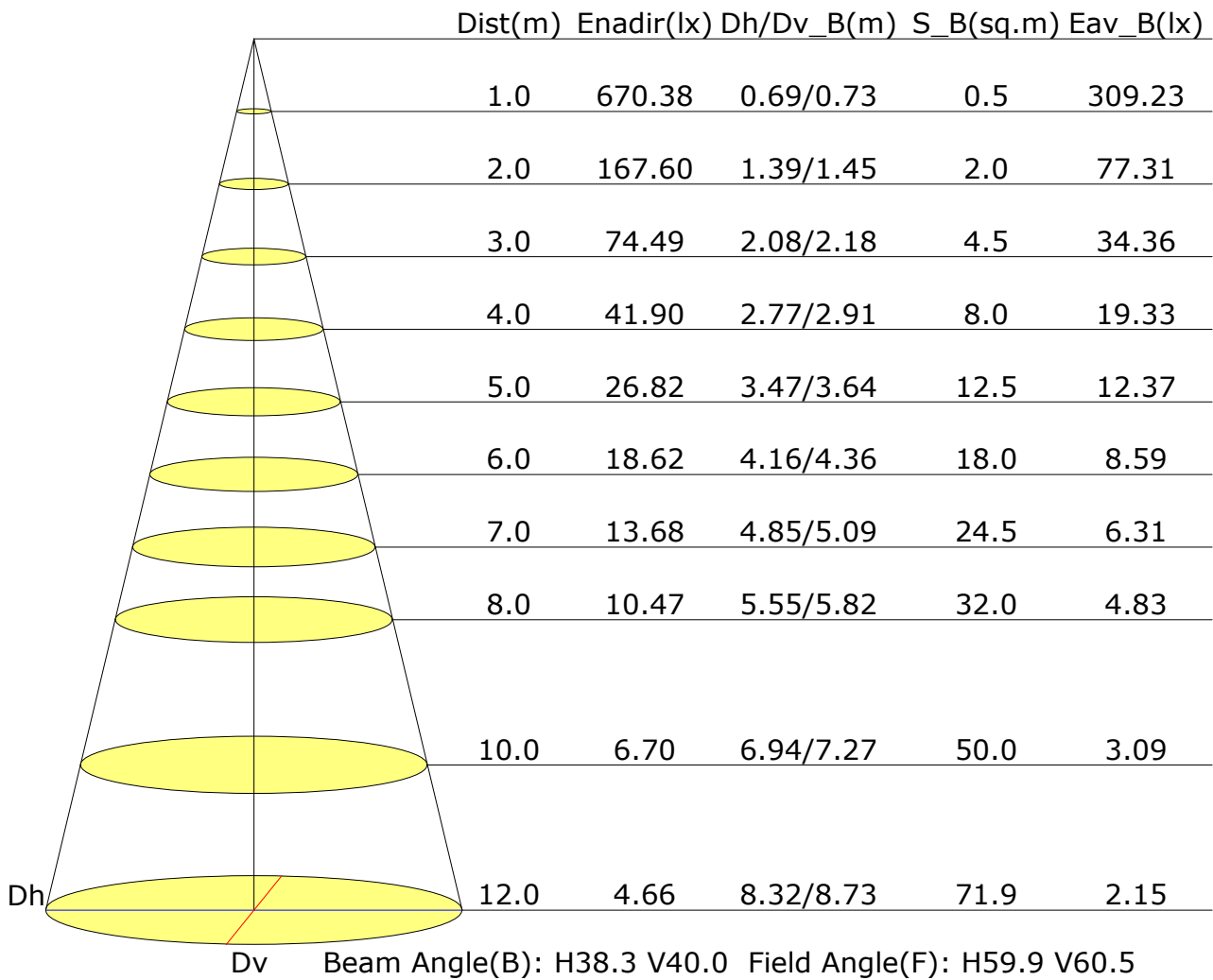
Distance: 6.500 m

Humidity:

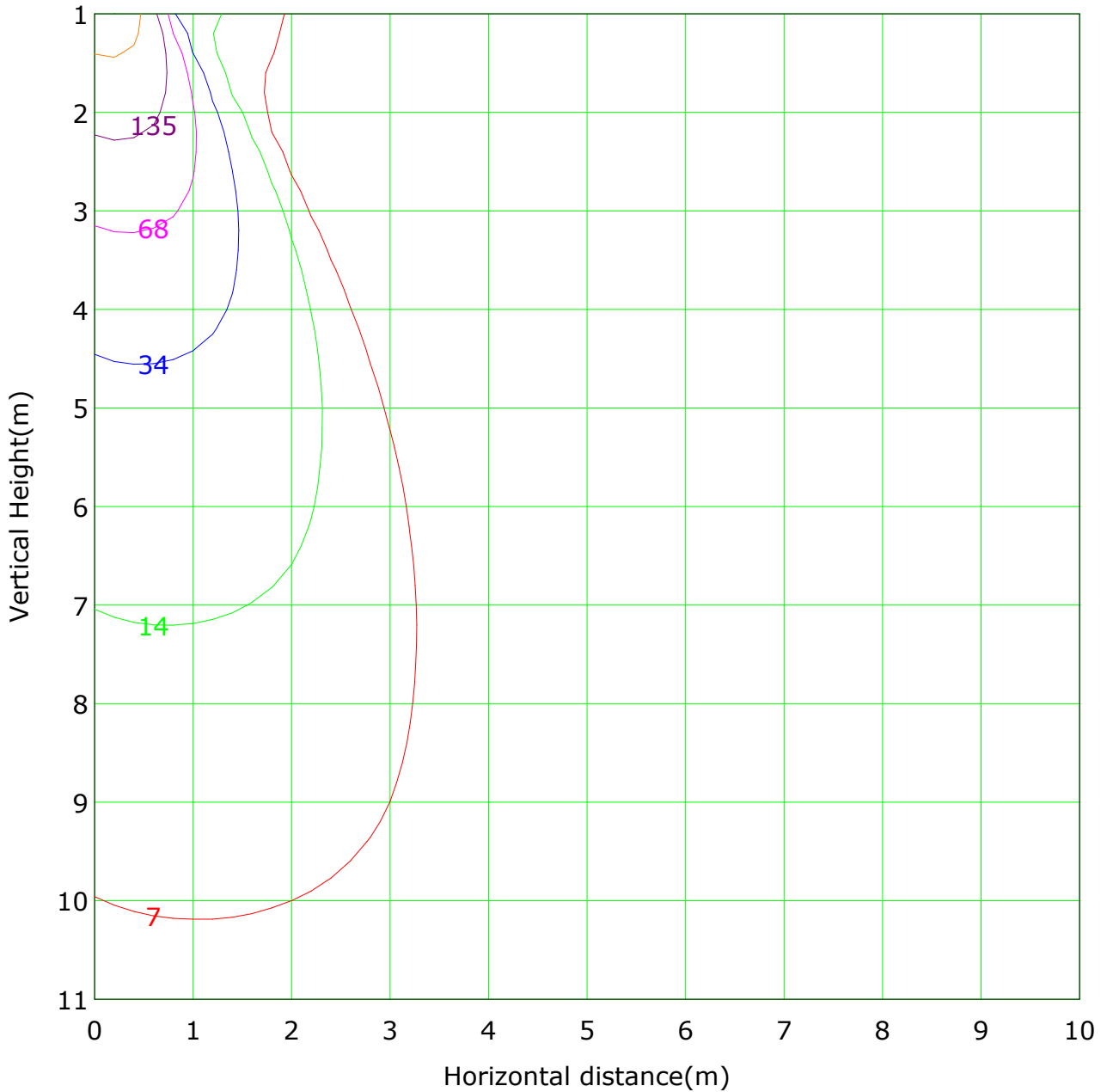
Inspector:



## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 676.1 lx
— ( 1%): 6.8 lx	— ( 2%): 13.5 lx	
— ( 5%): 33.8 lx	— ( 10%): 67.6 lx	
— ( 20%): 135.2 lx	— ( 50%): 338.0 lx	
— (100%): 676.1 lx		

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:



### Area Flux Table

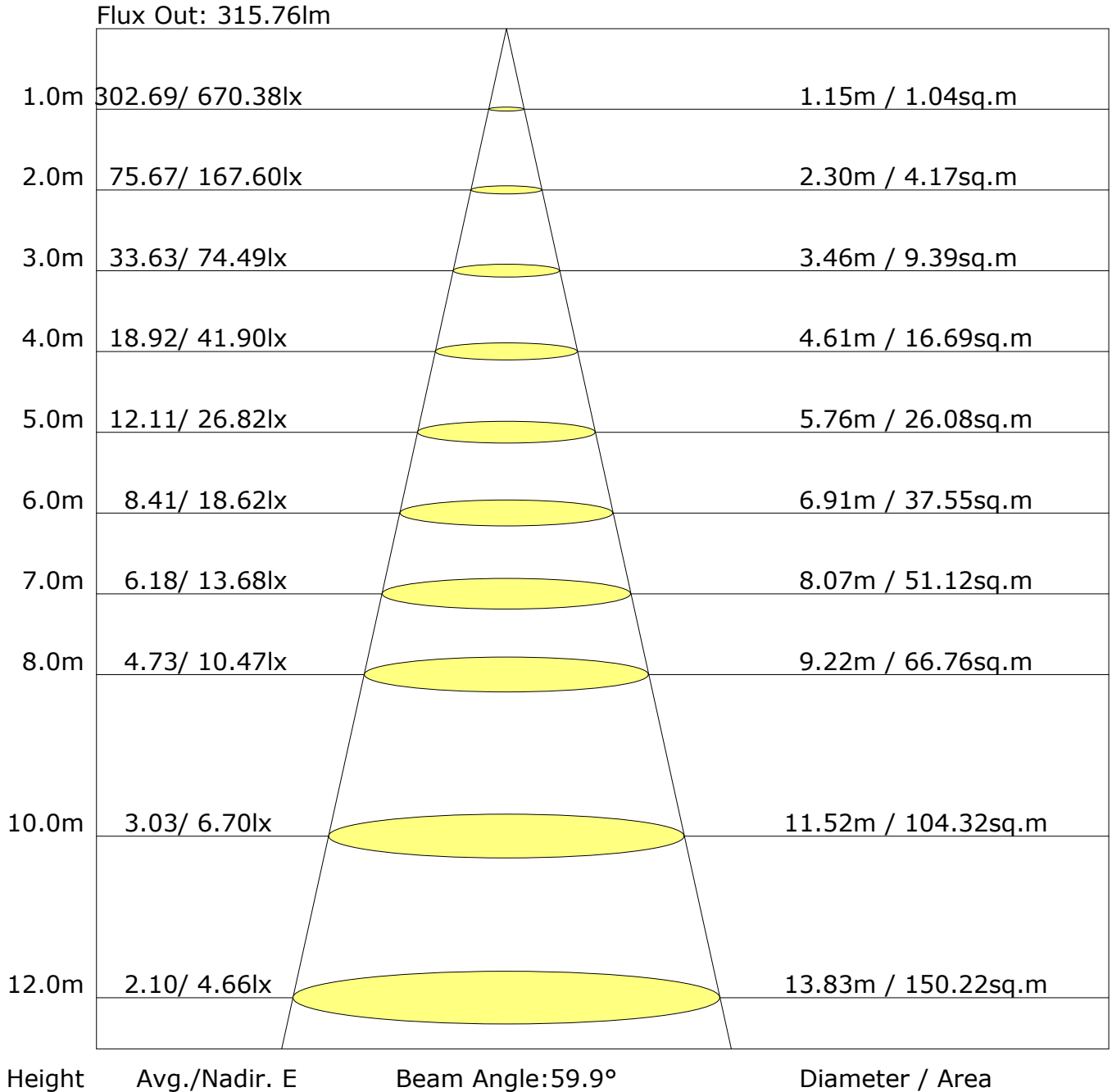
Unit: lm

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.6	0.7	0.9	1.3	1.7	2.3	3.3	4.4	5.5	6.7	8.1	0.6	0.0
	-80	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.8	1.0	1.3	1.7	2.3	3.3	4.4	5.5	6.7	8.1	9.5	2.1	0.0
	-70	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	1.3	1.7	2.3	3.3	4.4	5.5	6.7	8.1	9.5	4.1	0.0
	-60	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	6.7	0.0
	-50	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	9.5	0.0
	-40	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	13.8	0.0
	-30	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	24.9	0.0
	-20	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	53.3	0.0
	-10	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	91.7	0.0
	0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	106.8	0.0
	10	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	91.6	0.0
	20	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	53.4	0.0
	30	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	20.9	0.0
	40	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	11.7	0.0
	50	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	8.7	0.0
	60	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	5.9	0.0
	70	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	3.2	0.0
	80	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	0.9	0.0
90	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.6	1.9	2.3	2.7	3.3	4.0	0.0	0.0	
																				510	366	

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure



## UGR Table

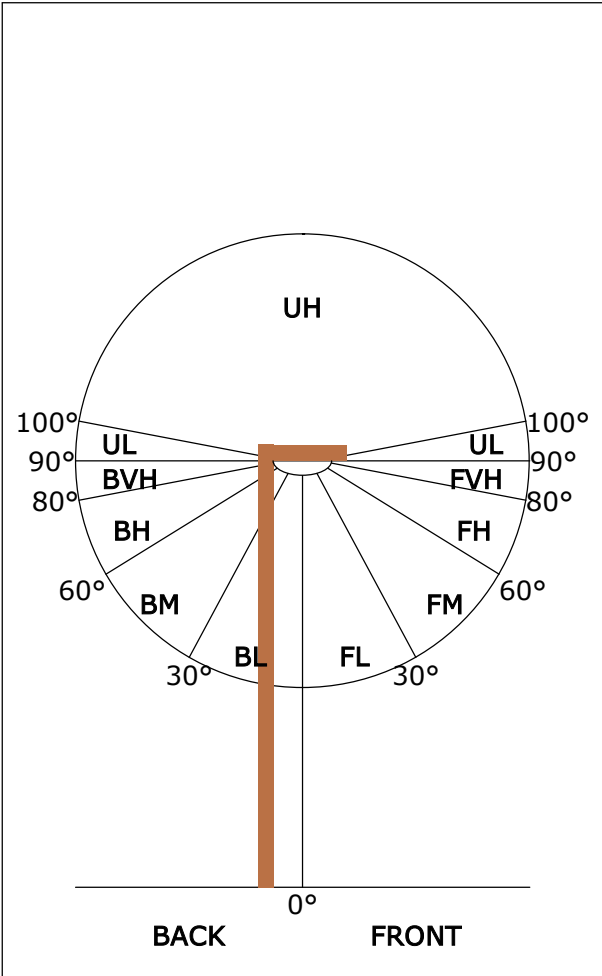
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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  $552lm (8\log(F/F_0) = -2.1)$ .

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

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

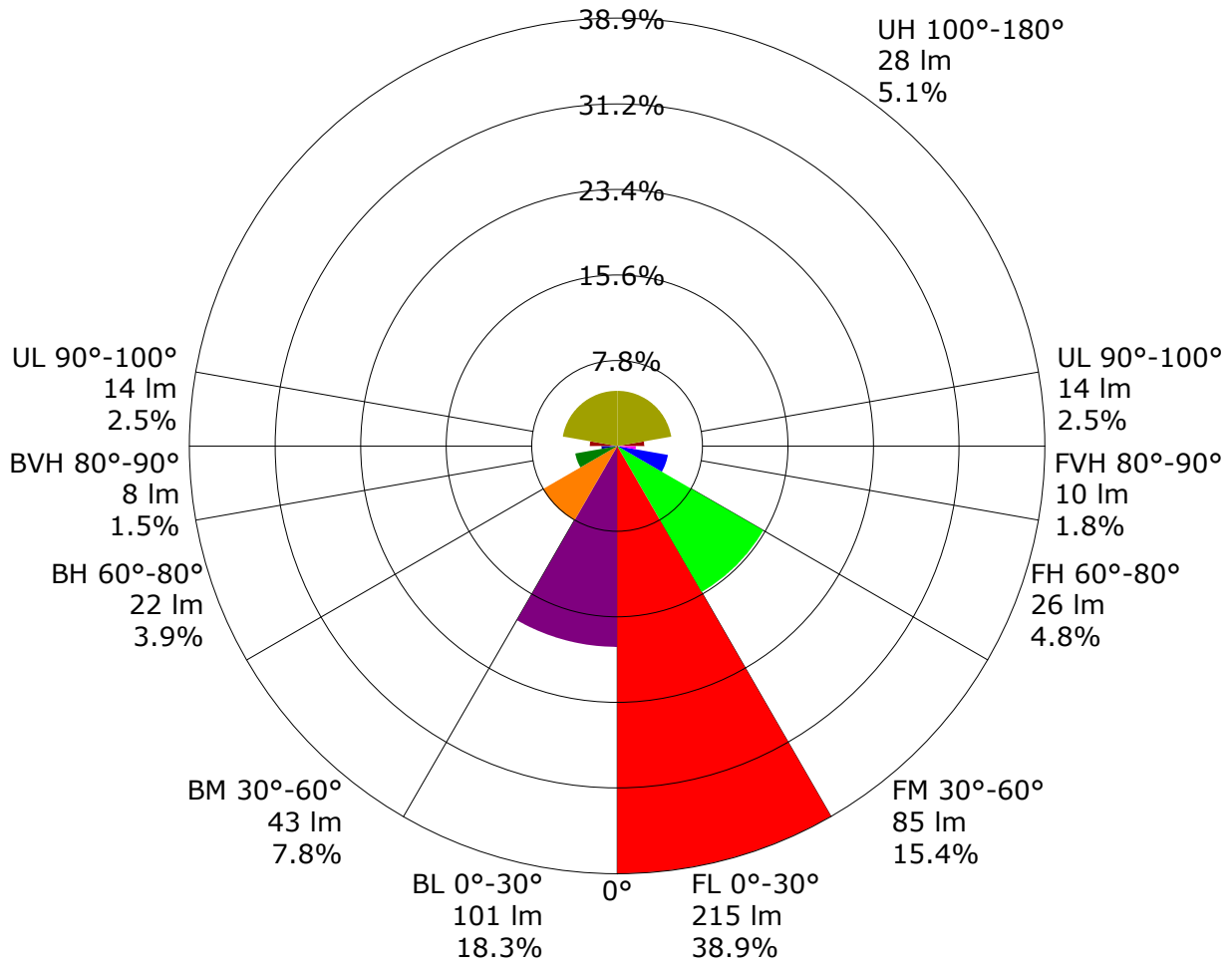
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	336	60.9
	FL ( 0°-30°)	215	38.9
	FM (30°-60°)	85	15.4
	FH (60°-80°)	26	4.8
	FVH (80°-90°)	10	1.8
	BACK LIGHT	174	31.6
	BL ( 0°-30°)	101	18.3
	BM (30°-60°)	43	7.8
	BH (60°-80°)	22	3.9
	BVH (80°-90°)	8	1.5
	UP LIGHT	42	7.6
	UL (90°-100°)	14	2.5
	UH (100°-180°)	28	5.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U2 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U2 G0

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

### LCS Graph



**Forward Light**

**Back 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	0.72	0.79	0.84	0.87	0.93	0.96	0.99	1.02	1.04
	0.30		0.66	0.73	0.78	0.82	0.88	0.92	0.95	0.98	1.01
	0.20		0.62	0.69	0.74	0.78	0.84	0.88	0.91	0.95	0.98
0.50	0.50	0.20	0.70	0.76	0.81	0.84	0.88	0.92	0.94	0.97	0.99
	0.30		0.64	0.71	0.76	0.79	0.84	0.88	0.90	0.94	0.96
	0.20		0.61	0.67	0.72	0.76	0.81	0.85	0.88	0.91	0.94
0.30	0.50	0.20	0.68	0.74	0.78	0.80	0.85	0.87	0.89	0.92	0.93
	0.30		0.63	0.69	0.74	0.77	0.81	0.84	0.87	0.90	0.92
	0.20		0.60	0.66	0.70	0.74	0.79	0.82	0.84	0.88	0.90
0.00	0.00	0.00	0.57	0.63	0.67	0.70	0.74	0.77	0.79	0.82	0.83
<p>Rating:8W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											



## 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	0.75	0.62	0.54	0.47	0.38	0.32	0.28	0.22	0.18	
	0.30		0.62	0.53	0.47	0.42	0.35	0.30	0.26	0.21	0.17	
	0.20		0.53	0.46	0.41	0.37	0.31	0.27	0.24	0.20	0.17	
0.50	0.50	0.20	0.70	0.58	0.50	0.44	0.35	0.33	0.26	0.20	0.17	
	0.30		0.59	0.50	0.44	0.39	0.32	0.28	0.24	0.19	0.16	
	0.20		0.51	0.44	0.39	0.35	0.30	0.26	0.23	0.18	0.16	
0.30	0.50	0.20	0.66	0.54	0.46	0.41	0.33	0.27	0.24	0.19	0.16	
	0.30		0.56	0.48	0.42	0.37	0.30	0.26	0.22	0.18	0.15	
	0.20		0.49	0.43	0.38	0.34	0.28	0.24	0.21	0.17	0.15	
0.00	0.00	0.00	0.36	0.31	0.27	0.24	0.20	0.17	0.15	0.12	0.10	
<p>Rating:8W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## 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	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28	0.29
	0.30		0.17	0.18	0.20	0.21	0.23	0.24	0.25	0.26	0.27
	0.20		0.13	0.15	0.16	0.17	0.19	0.21	0.22	0.24	0.25
0.50	0.50	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.28
	0.30		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26
	0.20		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.24
0.30	0.50	0.20	0.20	0.22	0.23	0.23	0.24	0.25	0.26	0.26	0.26
	0.30		0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.25
	0.20		0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.23
0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
<p>Rating:8W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## 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	663.9	0.6	0.6	0.12	0.12
1.0-2.0	661.8	1.9	2.5	0.34	0.46
2.0-3.0	657.7	3.1	5.7	0.57	1.03
3.0-4.0	651.5	4.4	10.0	0.79	1.82
4.0-5.0	643.2	5.5	15.6	1.00	2.82
5.0-6.0	632.5	6.6	22.2	1.21	4.03
6.0-7.0	619.9	7.7	29.9	1.39	5.42
7.0-8.0	605.9	8.7	38.6	1.57	7.00
8.0-9.0	591.5	9.6	48.2	1.74	8.73
9.0-10.0	576.4	10.4	58.6	1.89	10.62
10.0-11.0	560.3	11.2	69.8	2.03	12.65
11.0-12.0	543.6	11.9	81.7	2.15	14.81
12.0-13.0	525.9	12.5	94.2	2.26	17.07
13.0-14.0	506.5	13.0	107.1	2.35	19.42
14.0-15.0	486.0	13.3	120.5	2.42	21.84
15.0-16.0	465.1	13.6	134.1	2.47	24.31
16.0-17.0	444.1	13.8	148.0	2.51	26.82
17.0-18.0	423.4	14.0	161.9	2.53	29.35
18.0-19.0	402.3	14.0	175.9	2.54	31.89
19.0-20.0	381.0	13.9	189.9	2.53	34.41
20.0-21.0	360.6	13.8	203.7	2.51	36.92
21.0-22.0	341.1	13.7	217.4	2.48	39.41
22.0-23.0	322.1	13.5	230.9	2.45	41.86
23.0-24.0	303.9	13.3	244.2	2.41	44.27
24.0-25.0	286.2	13.0	257.2	2.36	46.63
25.0-26.0	268.5	12.7	269.9	2.30	48.92
26.0-27.0	250.9	12.3	282.2	2.23	51.15
27.0-28.0	233.2	11.8	294.0	2.14	53.29
28.0-29.0	215.7	11.3	305.3	2.05	55.34
29.0-30.0	198.2	10.7	316.0	1.94	57.28
30.0-31.0	180.9	10.1	326.1	1.82	59.10
31.0-32.0	164.2	9.4	335.5	1.71	60.81
32.0-33.0	148.2	8.7	344.2	1.58	62.39
33.0-34.0	132.3	8.0	352.2	1.45	63.84
34.0-35.0	116.8	7.3	359.5	1.32	65.16
35.0-36.0	102.1	6.5	366.0	1.18	66.33

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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 [%]
36.0-37.0	88.8	5.8	371.8	1.05	67.38
37.0-38.0	77.2	5.2	376.9	0.93	68.32
38.0-39.0	67.5	4.6	381.5	0.84	69.15
39.0-40.0	59.5	4.1	385.7	0.75	69.91
40.0-41.0	52.9	3.8	389.4	0.68	70.59
41.0-42.0	47.7	3.5	392.9	0.63	71.22
42.0-43.0	43.7	3.2	396.1	0.59	71.80
43.0-44.0	40.7	3.1	399.2	0.56	72.36
44.0-45.0	38.6	3.0	402.2	0.54	72.90
45.0-46.0	37.0	2.9	405.1	0.53	73.42
46.0-47.0	35.9	2.9	407.9	0.52	73.94
47.0-48.0	34.9	2.8	410.8	0.51	74.45
48.0-49.0	34.1	2.8	413.6	0.51	74.96
49.0-50.0	33.4	2.8	416.3	0.51	75.47
50.0-51.0	32.8	2.8	419.1	0.50	75.97
51.0-52.0	32.3	2.8	421.9	0.50	76.47
52.0-53.0	32.1	2.8	424.7	0.51	76.98
53.0-54.0	31.8	2.8	427.5	0.51	77.49
54.0-55.0	31.5	2.8	430.3	0.51	78.00
55.0-56.0	31.3	2.8	433.1	0.51	78.51
56.0-57.0	31.1	2.8	436.0	0.52	79.03
57.0-58.0	30.3	2.8	438.8	0.51	79.53
58.0-59.0	29.4	2.7	441.5	0.50	80.03
59.0-60.0	28.7	2.7	444.2	0.49	80.52
60.0-61.0	27.9	2.7	446.9	0.48	81.00
61.0-62.0	27.0	2.6	449.5	0.47	81.48
62.0-63.0	26.2	2.6	452.0	0.46	81.94
63.0-64.0	25.8	2.5	454.6	0.46	82.40
64.0-65.0	25.4	2.5	457.1	0.46	82.85
65.0-66.0	25.0	2.5	459.6	0.45	83.31
66.0-67.0	24.7	2.5	462.1	0.45	83.76
67.0-68.0	24.4	2.5	464.5	0.45	84.20
68.0-69.0	24.0	2.5	467.0	0.44	84.65
69.0-70.0	23.8	2.4	469.4	0.44	85.09
70.0-71.0	23.8	2.5	471.9	0.45	85.54
71.0-72.0	23.9	2.5	474.4	0.45	85.99

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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 [%]
72.0-73.0	24.0	2.5	476.9	0.46	86.44
73.0-74.0	24.0	2.5	479.4	0.46	86.90
74.0-75.0	22.8	2.4	481.8	0.44	87.34
75.0-76.0	21.2	2.3	484.1	0.41	87.75
76.0-77.0	20.2	2.2	486.2	0.39	88.14
77.0-78.0	19.0	2.0	488.3	0.37	88.51
78.0-79.0	18.2	2.0	490.2	0.35	88.86
79.0-80.0	17.7	1.9	492.1	0.35	89.21
80.0-81.0	17.3	1.9	494.0	0.34	89.55
81.0-82.0	16.9	1.8	495.8	0.33	89.88
82.0-83.0	16.5	1.8	497.6	0.33	90.20
83.0-84.0	16.3	1.8	499.4	0.32	90.53
84.0-85.0	16.4	1.8	501.2	0.33	90.85
85.0-86.0	16.4	1.8	503.0	0.33	91.18
86.0-87.0	16.1	1.8	504.8	0.32	91.50
87.0-88.0	15.9	1.7	506.5	0.32	91.81
88.0-89.0	15.8	1.7	508.3	0.31	92.13
89.0-90.0	15.2	1.7	509.9	0.30	92.43
90.0-91.0	14.4	1.6	511.5	0.29	92.72
91.0-92.0	14.0	1.5	513.0	0.28	92.99
92.0-93.0	13.7	1.5	514.5	0.27	93.27
93.0-94.0	13.4	1.5	516.0	0.27	93.53
94.0-95.0	13.2	1.4	517.4	0.26	93.79
95.0-96.0	12.9	1.4	518.9	0.26	94.05
96.0-97.0	12.4	1.4	520.2	0.24	94.29
97.0-98.0	11.7	1.3	521.5	0.23	94.52
98.0-99.0	11.0	1.2	522.7	0.22	94.74
99.0-100.0	10.6	1.1	523.8	0.21	94.95
100.0-101.0	10.2	1.1	524.9	0.20	95.15
101.0-102.0	9.8	1.1	526.0	0.19	95.34
102.0-103.0	9.5	1.0	527.0	0.18	95.52
103.0-104.0	9.3	1.0	528.0	0.18	95.70
104.0-105.0	8.9	0.9	528.9	0.17	95.87
105.0-106.0	8.4	0.9	529.8	0.16	96.03
106.0-107.0	7.8	0.8	530.6	0.15	96.18
107.0-108.0	7.3	0.8	531.4	0.14	96.32

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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 [%]
108.0-109.0	6.9	0.7	532.1	0.13	96.45
109.0-110.0	6.6	0.7	532.8	0.12	96.58
110.0-111.0	6.2	0.6	533.4	0.12	96.69
111.0-112.0	5.9	0.6	534.0	0.11	96.80
112.0-113.0	5.7	0.6	534.6	0.10	96.90
113.0-114.0	5.6	0.6	535.2	0.10	97.01
114.0-115.0	5.4	0.5	535.7	0.10	97.10
115.0-116.0	5.1	0.5	536.2	0.09	97.20
116.0-117.0	4.7	0.5	536.7	0.08	97.28
117.0-118.0	4.4	0.4	537.1	0.08	97.36
118.0-119.0	4.3	0.4	537.5	0.07	97.43
119.0-120.0	4.2	0.4	537.9	0.07	97.51
120.0-121.0	4.1	0.4	538.3	0.07	97.58
121.0-122.0	4.0	0.4	538.7	0.07	97.64
122.0-123.0	3.8	0.4	539.0	0.06	97.71
123.0-124.0	3.6	0.3	539.4	0.06	97.77
124.0-125.0	3.5	0.3	539.7	0.06	97.82
125.0-126.0	3.4	0.3	540.0	0.06	97.88
126.0-127.0	3.4	0.3	540.3	0.05	97.93
127.0-128.0	3.4	0.3	540.6	0.05	97.99
128.0-129.0	3.5	0.3	540.9	0.05	98.04
129.0-130.0	3.6	0.3	541.2	0.05	98.10
130.0-131.0	3.7	0.3	541.5	0.06	98.15
131.0-132.0	3.7	0.3	541.8	0.06	98.21
132.0-133.0	3.9	0.3	542.1	0.06	98.26
133.0-134.0	3.9	0.3	542.4	0.06	98.32
134.0-135.0	4.0	0.3	542.7	0.06	98.38
135.0-136.0	4.1	0.3	543.1	0.06	98.43
136.0-137.0	4.3	0.3	543.4	0.06	98.49
137.0-138.0	4.4	0.3	543.7	0.06	98.55
138.0-139.0	4.5	0.3	544.0	0.06	98.61
139.0-140.0	4.6	0.3	544.4	0.06	98.67
140.0-141.0	4.7	0.3	544.7	0.06	98.73
141.0-142.0	4.8	0.3	545.0	0.06	98.79
142.0-143.0	4.8	0.3	545.3	0.06	98.85
143.0-144.0	4.9	0.3	545.7	0.06	98.91

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 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 [%]
144.0-145.0	5.0	0.3	546.0	0.06	98.96
145.0-146.0	5.1	0.3	546.3	0.06	99.02
146.0-147.0	5.2	0.3	546.6	0.06	99.08
147.0-148.0	5.3	0.3	546.9	0.06	99.13
148.0-149.0	5.3	0.3	547.2	0.06	99.19
149.0-150.0	5.3	0.3	547.5	0.05	99.24
150.0-151.0	5.3	0.3	547.8	0.05	99.30
151.0-152.0	5.3	0.3	548.1	0.05	99.35
152.0-153.0	5.3	0.3	548.3	0.05	99.39
153.0-154.0	5.3	0.3	548.6	0.05	99.44
154.0-155.0	5.3	0.2	548.9	0.05	99.49
155.0-156.0	5.2	0.2	549.1	0.04	99.53
156.0-157.0	5.2	0.2	549.3	0.04	99.57
157.0-158.0	5.2	0.2	549.5	0.04	99.61
158.0-159.0	5.2	0.2	549.7	0.04	99.65
159.0-160.0	5.2	0.2	549.9	0.04	99.68
160.0-161.0	5.1	0.2	550.1	0.03	99.72
161.0-162.0	5.1	0.2	550.3	0.03	99.75
162.0-163.0	5.0	0.2	550.5	0.03	99.78
163.0-164.0	4.9	0.2	550.6	0.03	99.81
164.0-165.0	4.8	0.1	550.8	0.03	99.83
165.0-166.0	4.7	0.1	550.9	0.02	99.86
166.0-167.0	4.6	0.1	551.0	0.02	99.88
167.0-168.0	4.5	0.1	551.1	0.02	99.90
168.0-169.0	4.4	0.1	551.2	0.02	99.91
169.0-170.0	4.4	0.1	551.3	0.02	99.93
170.0-171.0	4.3	0.1	551.4	0.01	99.94
171.0-172.0	4.2	0.1	551.5	0.01	99.96
172.0-173.0	4.1	0.1	551.5	0.01	99.97
173.0-174.0	4.0	0.0	551.6	0.01	99.98
174.0-175.0	3.9	0.0	551.6	0.01	99.98
175.0-176.0	3.8	0.0	551.6	0.01	99.99
176.0-177.0	3.7	0.0	551.7	0.00	99.99
177.0-178.0	3.6	0.0	551.7	0.00	100.00
178.0-179.0	3.6	0.0	551.7	0.00	100.00
179.0-180.0	3.5	0.0	551.7	0.00	100.00

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	670.4	658.2	670.4	658.2	670.4					
G1.0	681.1	679.1	657.4	636.1	681.1					
G2.0	690.2	698.1	641.6	611.2	690.2					
G3.0	697.4	716.2	622.8	584.3	697.4					
G4.0	702.7	732.0	599.9	557.0	702.7					
G5.0	707.0	746.5	573.1	527.1	707.0					
G6.0	709.7	758.2	543.7	494.8	709.7					
G7.0	712.0	767.5	512.7	460.5	712.0					
G8.0	712.1	776.2	480.5	426.2	712.1					
G9.0	711.3	784.0	448.4	393.3	711.3					
G10.0	708.3	789.8	416.1	360.0	708.3					
G11.0	704.6	795.8	381.9	326.1	704.6					
G12.0	699.8	799.1	350.4	291.5	699.8					
G13.0	691.6	799.8	318.5	256.5	691.6					
G14.0	682.5	797.0	286.9	218.9	682.5					
G15.0	670.7	794.5	253.6	184.1	670.7					
G16.0	655.7	787.9	222.8	151.9	655.7					
G17.0	639.5	779.3	191.4	124.3	639.5					
G18.0	619.1	768.0	165.1	100.9	619.1					
G19.0	593.6	753.7	137.1	80.7	593.6					
G20.0	566.2	736.7	113.6	66.3	566.2					
G21.0	535.1	716.9	94.4	55.6	535.1					
G22.0	503.6	695.3	78.8	48.8	503.6					
G23.0	468.8	671.2	65.7	44.4	468.8					
G24.0	438.0	645.6	55.5	41.9	438.0					
G25.0	403.1	616.4	48.9	40.4	403.1					
G26.0	370.6	584.0	45.1	39.7	370.6					
G27.0	336.6	549.8	42.2	38.9	336.6					
G28.0	305.0	514.9	40.3	38.0	305.0					
G29.0	273.3	478.1	38.9	37.1	273.3					
G30.0	241.1	443.0	37.8	36.5	241.1					
G31.0	209.9	406.1	36.9	35.9	209.9					
G32.0	182.1	370.9	36.2	35.3	182.1					
G33.0	156.4	333.8	35.6	34.9	156.4					
G34.0	132.0	296.4	35.1	34.5	132.0					
G35.0	109.8	258.2	34.7	34.2	109.8					
G36.0	90.7	220.9	34.3	34.0	90.7					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	74.8	188.2	33.7	33.8	74.8					
G38.0	63.6	156.3	33.7	33.5	63.6					
G39.0	55.8	130.0	33.8	33.2	55.8					
G40.0	51.4	105.4	32.9	33.4	51.4					
G41.0	47.9	87.1	31.9	33.1	47.9					
G42.0	44.8	72.4	31.3	33.0	44.8					
G43.0	42.0	62.7	30.9	32.4	42.0					
G44.0	40.5	55.5	30.5	31.3	40.5					
G45.0	39.3	50.6	30.2	30.8	39.3					
G46.0	38.4	46.9	29.9	30.4	38.4					
G47.0	37.6	44.3	29.5	30.0	37.6					
G48.0	37.1	42.2	29.2	29.6	37.1					
G49.0	36.6	40.5	28.8	29.2	36.6					
G50.0	36.2	39.1	28.4	28.7	36.2					
G51.0	36.0	38.0	28.0	28.3	36.0					
G52.0	35.8	37.1	27.5	28.0	35.8					
G53.0	35.8	36.5	27.1	28.7	35.8					
G54.0	35.9	35.9	26.8	28.0	35.9					
G55.0	34.9	35.6	27.3	27.4	34.9					
G56.0	33.9	35.7	27.6	27.7	33.9					
G57.0	33.5	34.7	28.1	27.5	33.5					
G58.0	33.2	33.0	27.3	25.3	33.2					
G59.0	32.9	32.4	26.4	24.4	32.9					
G60.0	32.6	32.0	25.0	23.8	32.6					
G61.0	32.3	31.5	23.8	22.2	32.3					
G62.0	31.9	31.0	21.7	21.3	31.9					
G63.0	31.6	30.7	20.8	20.8	31.6					
G64.0	31.3	30.2	20.4	20.5	31.3					
G65.0	30.9	29.7	20.2	20.2	30.9					
G66.0	30.5	29.2	19.9	19.9	30.5					
G67.0	30.1	28.8	19.6	19.6	30.1					
G68.0	29.6	28.4	19.4	19.5	29.6					
G69.0	29.1	27.9	19.3	19.2	29.1					
G70.0	28.7	27.6	19.2	19.2	28.7					
G71.0	29.1	28.4	19.2	19.2	29.1					
G72.0	28.2	28.9	19.2	19.2	28.2					
G73.0	28.1	30.3	19.1	19.2	28.1					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	28.1	31.1	19.0	17.5	28.1					
G75.0	26.0	27.1	16.8	16.7	26.0					
G76.0	25.3	25.6	16.0	16.3	25.3					
G77.0	23.8	23.4	15.5	15.8	23.8					
G78.0	22.6	21.0	14.9	15.3	22.6					
G79.0	22.0	20.4	14.4	14.9	22.0					
G80.0	21.5	20.1	14.0	14.4	21.5					
G81.0	21.2	19.9	13.7	13.9	21.2					
G82.0	20.8	19.7	12.8	13.4	20.8					
G83.0	20.4	19.6	12.5	13.2	20.4					
G84.0	20.3	19.3	12.3	13.2	20.3					
G85.0	19.9	19.1	13.3	14.1	19.9					
G86.0	19.8	19.1	12.4	13.8	19.8					
G87.0	19.8	19.2	11.9	13.0	19.8					
G88.0	19.8	19.3	11.9	12.6	19.8					
G89.0	19.2	19.4	11.9	12.3	19.2					
G90.0	17.8	17.5	11.6	11.9	17.8					
G91.0	17.1	16.7	11.2	11.6	17.1					
G92.0	16.6	16.3	11.0	11.5	16.6					
G93.0	16.2	15.8	10.8	11.4	16.2					
G94.0	15.8	15.4	10.7	11.2	15.8					
G95.0	15.6	15.2	10.6	10.9	15.6					
G96.0	15.3	14.8	10.4	10.6	15.3					
G97.0	14.7	14.3	9.3	10.1	14.7					
G98.0	14.2	13.5	8.0	9.4	14.2					
G99.0	13.9	13.1	7.7	8.6	13.9					
G100.0	13.4	12.8	7.3	8.0	13.4					
G101.0	12.7	12.4	7.0	8.0	12.7					
G102.0	12.1	12.1	6.7	7.6	12.1					
G103.0	12.1	11.6	6.4	7.3	12.1					
G104.0	12.5	11.2	6.3	6.7	12.5					
G105.0	11.9	10.7	6.1	6.2	11.9					
G106.0	10.2	10.2	6.1	5.9	10.2					
G107.0	9.5	9.7	5.2	5.7	9.5					
G108.0	8.9	9.2	4.9	5.5	8.9					
G109.0	8.4	8.6	4.7	5.2	8.4					
G110.0	7.9	8.1	4.5	5.0	7.9					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	7.4	7.5	4.4	4.8	7.4					
G112.0	7.1	7.1	4.3	4.6	7.1					
G113.0	7.3	6.6	4.1	4.5	7.3					
G114.0	8.0	6.1	4.0	4.3	8.0					
G115.0	7.7	5.5	3.7	4.1	7.7					
G116.0	7.3	4.6	3.7	4.1	7.3					
G117.0	6.9	3.3	3.8	3.9	6.9					
G118.0	6.7	2.5	4.1	3.8	6.7					
G119.0	6.4	2.3	4.7	3.7	6.4					
G120.0	6.2	2.2	4.8	3.7	6.2					
G121.0	5.9	2.0	4.7	3.6	5.9					
G122.0	5.6	1.8	4.7	3.5	5.6					
G123.0	5.2	1.6	4.7	3.4	5.2					
G124.0	4.6	1.4	4.7	3.3	4.6					
G125.0	4.1	1.4	4.6	3.7	4.1					
G126.0	4.0	1.4	4.6	3.7	4.0					
G127.0	4.1	1.5	4.4	3.7	4.1					
G128.0	4.1	1.6	4.4	3.7	4.1					
G129.0	4.2	1.7	4.6	3.7	4.2					
G130.0	4.3	1.9	4.6	3.7	4.3					
G131.0	4.3	2.0	4.8	3.7	4.3					
G132.0	4.4	2.2	4.8	3.7	4.4					
G133.0	4.6	2.3	5.0	3.7	4.6					
G134.0	4.7	2.4	5.0	3.7	4.7					
G135.0	4.8	2.7	5.0	3.7	4.8					
G136.0	4.9	3.1	4.9	3.7	4.9					
G137.0	5.0	3.7	4.9	3.8	5.0					
G138.0	5.1	4.1	4.8	3.9	5.1					
G139.0	5.2	4.3	4.8	3.9	5.2					
G140.0	5.3	4.4	4.8	4.0	5.3					
G141.0	5.4	4.6	4.8	4.1	5.4					
G142.0	5.5	4.7	4.8	4.3	5.5					
G143.0	5.6	4.8	4.8	4.4	5.6					
G144.0	5.7	4.9	4.9	4.5	5.7					
G145.0	5.8	5.1	4.8	4.6	5.8					
G146.0	5.9	5.2	4.8	4.6	5.9					
G147.0	6.1	5.3	4.8	4.7	6.1					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	6.2	5.4	4.8	4.8	6.2					
G149.0	6.1	5.5	4.8	4.9	6.1					
G150.0	6.1	5.6	4.7	4.9	6.1					
G151.0	6.0	5.7	4.6	4.9	6.0					
G152.0	5.9	5.7	4.6	4.9	5.9					
G153.0	5.9	5.8	4.5	4.9	5.9					
G154.0	5.8	5.9	4.4	4.9	5.8					
G155.0	5.7	5.9	4.4	5.0	5.7					
G156.0	5.6	6.0	4.3	5.0	5.6					
G157.0	5.5	6.0	4.3	5.0	5.5					
G158.0	5.4	6.0	4.3	5.0	5.4					
G159.0	5.4	6.0	4.3	5.0	5.4					
G160.0	5.4	5.9	4.2	5.0	5.4					
G161.0	5.3	5.8	4.2	5.0	5.3					
G162.0	5.2	5.7	4.3	5.0	5.2					
G163.0	5.1	5.6	4.2	5.0	5.1					
G164.0	4.9	5.5	4.1	4.9	4.9					
G165.0	4.8	5.3	4.0	4.8	4.8					
G166.0	4.8	5.2	3.9	4.6	4.8					
G167.0	4.8	5.0	3.9	4.5	4.8					
G168.0	4.7	4.8	3.9	4.5	4.7					
G169.0	4.6	4.6	3.9	4.5	4.6					
G170.0	4.6	4.4	3.9	4.4	4.6					
G171.0	4.5	4.3	3.8	4.3	4.5					
G172.0	4.3	4.2	3.7	4.2	4.3					
G173.0	4.2	4.2	3.6	4.1	4.2					
G174.0	4.1	4.2	3.5	3.9	4.1					
G175.0	4.0	4.1	3.5	3.9	4.0					
G176.0	3.9	4.1	3.3	3.8	3.9					
G177.0	3.7	4.1	3.3	3.7	3.7					
G178.0	3.5	4.0	3.2	3.6	3.5					
G179.0	3.4	4.0	3.1	3.6	3.4					
G180.0	3.2	3.9	3.1	3.9	3.2					

C Plane (°):0.0-360.0: 90.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600  
 Distance: 6.500 m  
 Humidity:  
 Inspector: