

Report No.:

Test Time: 2022/08/31 15:41

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 490691 LED-MF-40W-3000K-12V

Voltage: 12.5 V

Current: 3.038 A

Power: 35.69 W

Power Factor: 0.870

Photometric Results

IES Classification: Type I

Total Rated Lamp Lumens: 4267.7 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 1931.03 cd

Pos of Max. Intensity: H210 V4

Longitudinal Classification: Very Short

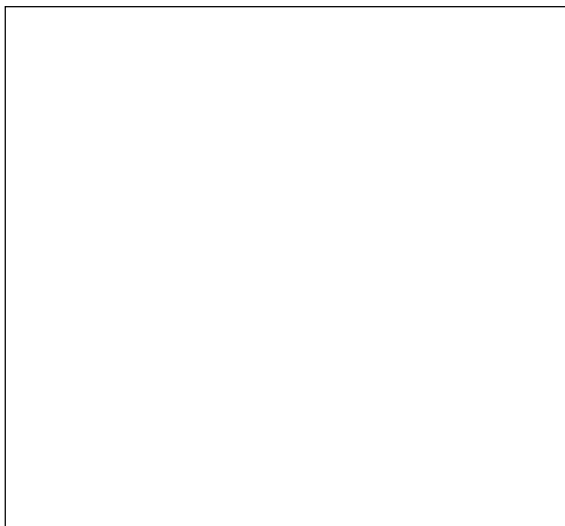
Measurement Flux: 4267.7 lm

Downward Ratio: 99%

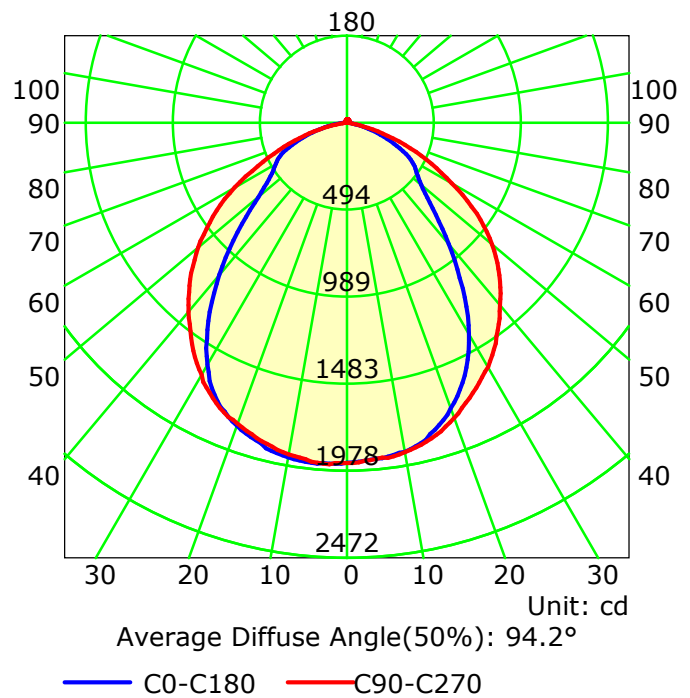
Luminaire Efficacy Rating (LER): 119.63

Max. Intensity: 1946.56 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

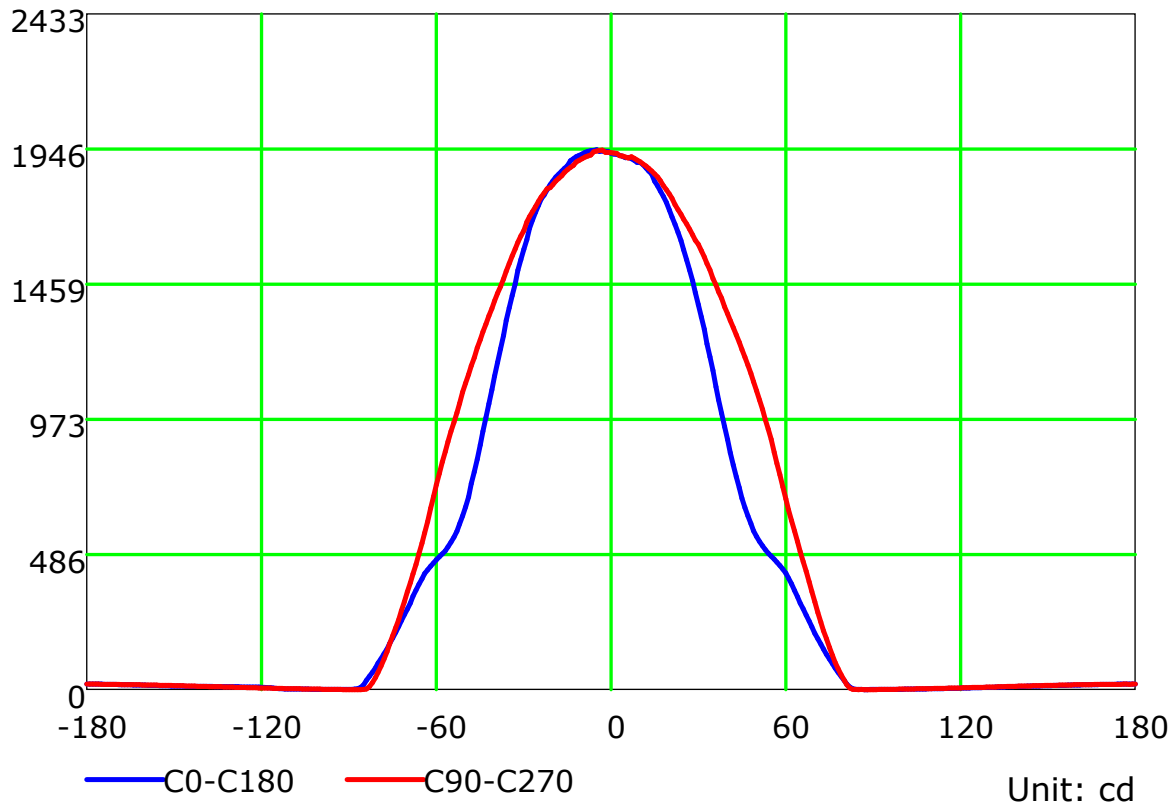
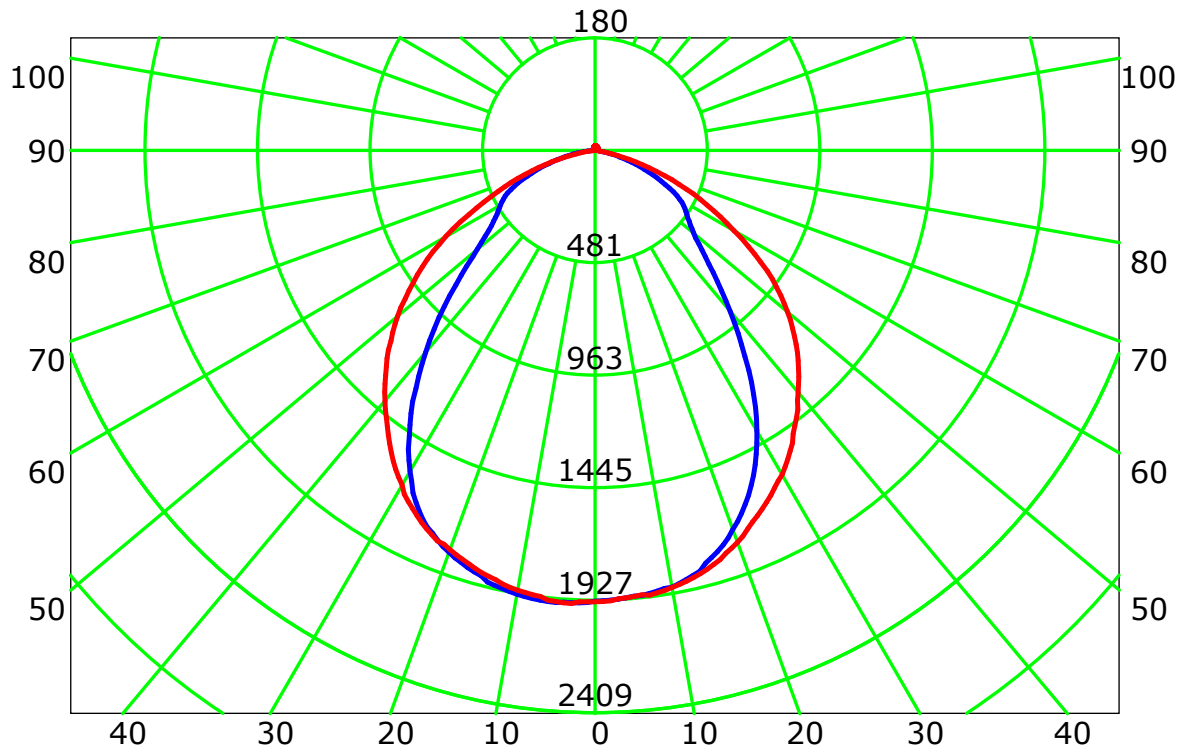
Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

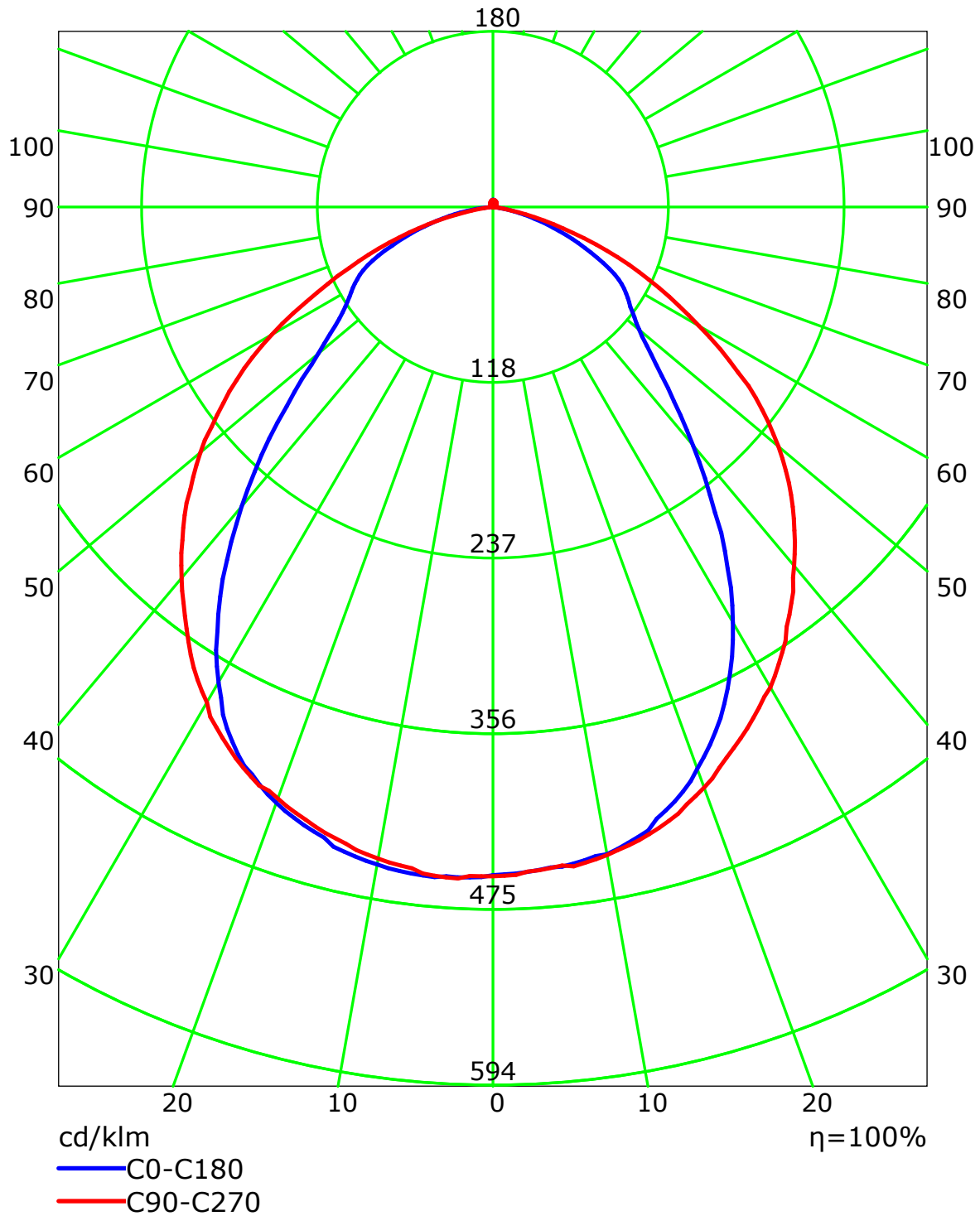
Luminous Intensity Distribution Curve



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

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

Luminous Intensity Distribution Curve(cd/klm)



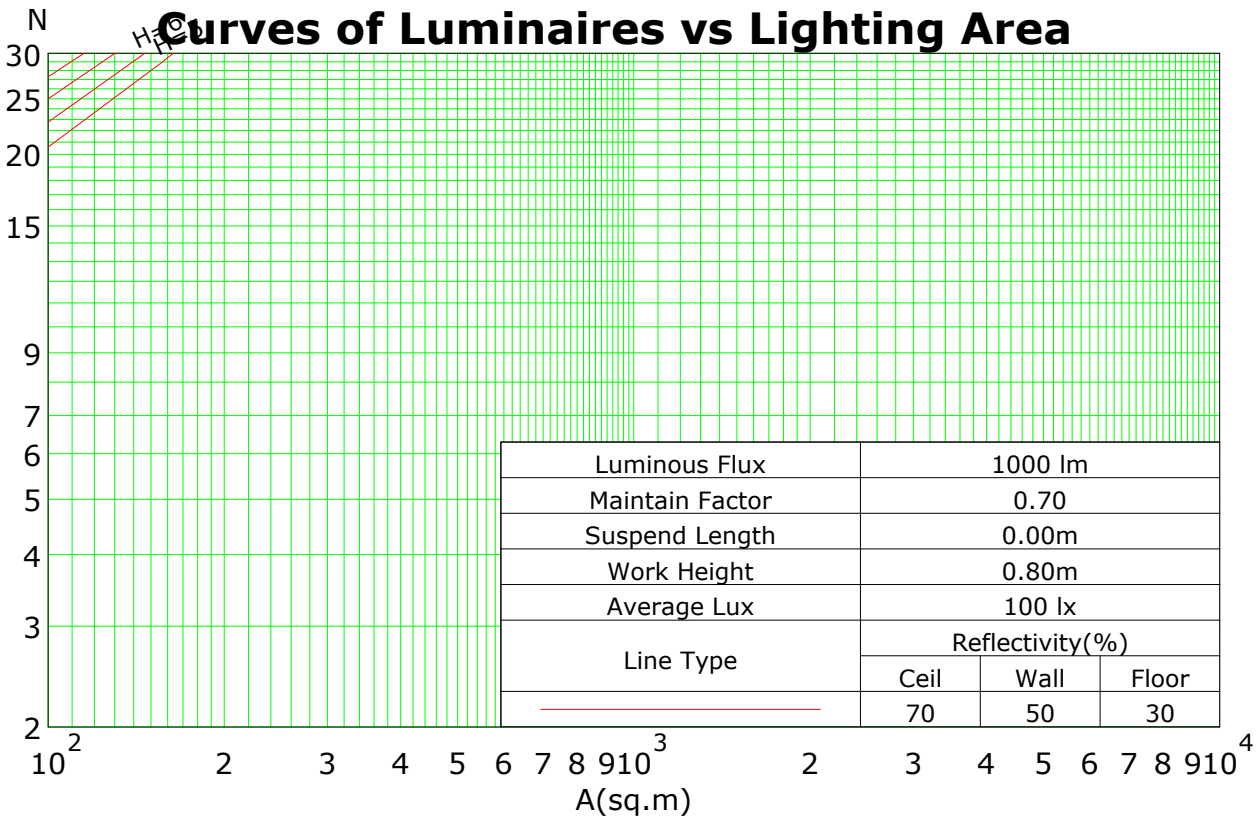
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	110	106	103	99	108	104	101	98	100	97	94	95	93	91	92	90	88	86
2	102	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	77	74
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	74	70	67	65
4	86	76	68	62	84	74	67	61	72	65	60	69	64	59	67	62	58	56
5	80	68	60	54	78	67	59	54	65	58	53	63	57	52	61	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	57	51	47	56	50	46	44
7	69	56	48	43	67	56	48	42	54	47	42	53	46	42	51	46	41	40
8	64	52	44	38	63	51	44	38	50	43	38	48	42	38	47	42	37	36
9	60	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	32
10	57	44	37	32	55	44	37	32	43	36	32	42	36	31	41	35	31	30

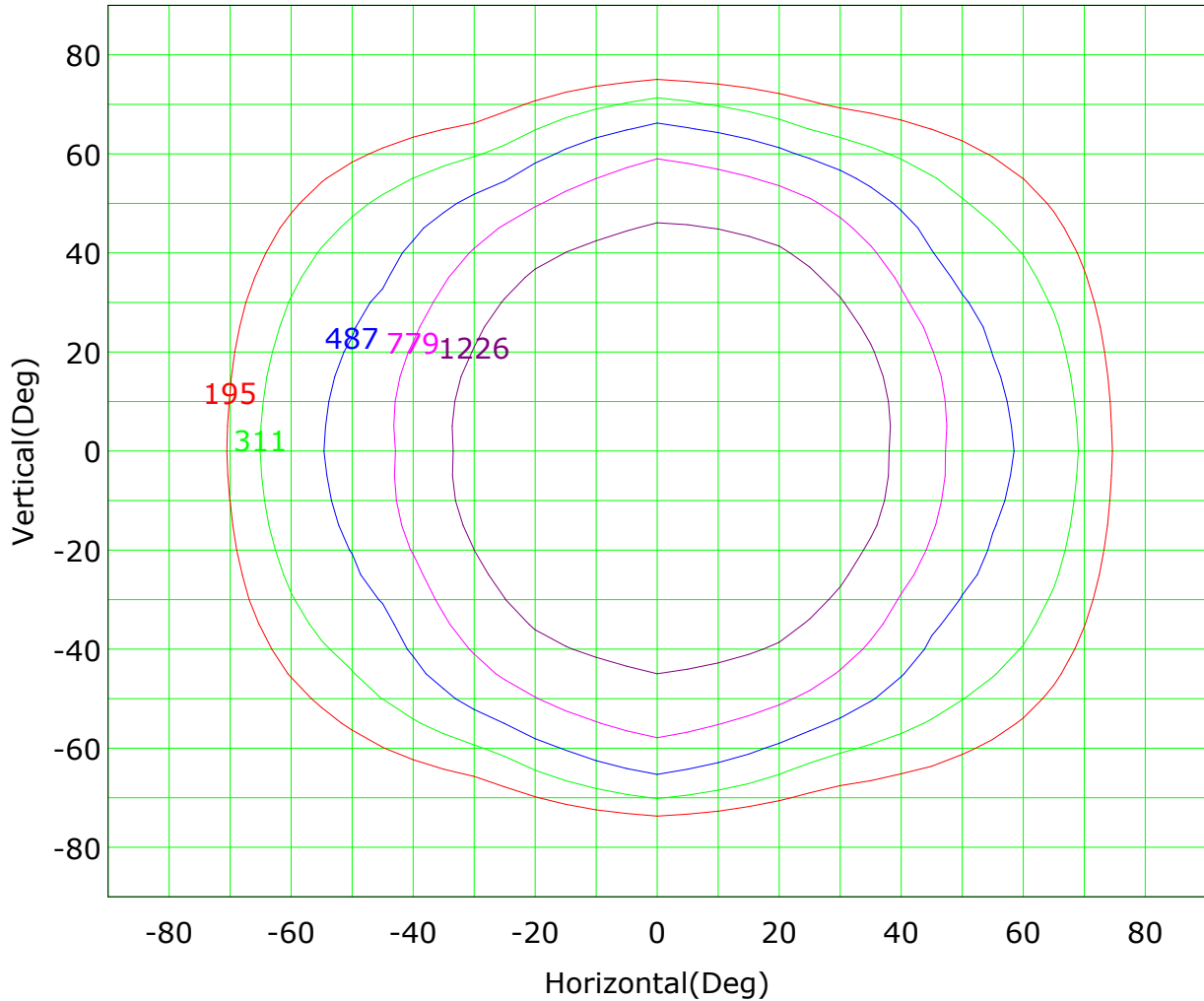
Spacing Criteria (0-180): 1.15
 Spacing Criteria (90-270): 1.25
 Spacing Criteria (Diagonal): 1.25



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)



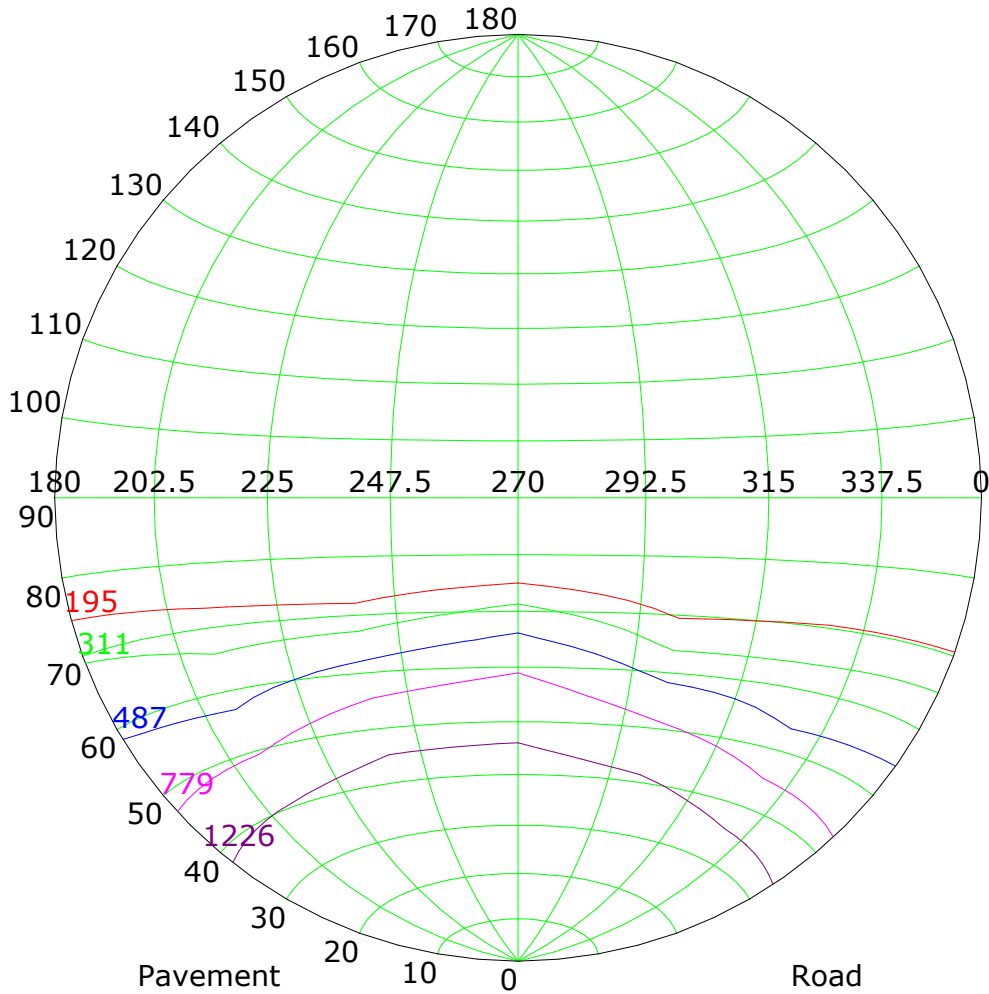
Imax (100%): 1947 cd

— (10%): 195 cd	— (16%): 311 cd
— (25%): 487 cd	— (40%): 779 cd
— (63%): 1226 cd	— (100%): 1947 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)



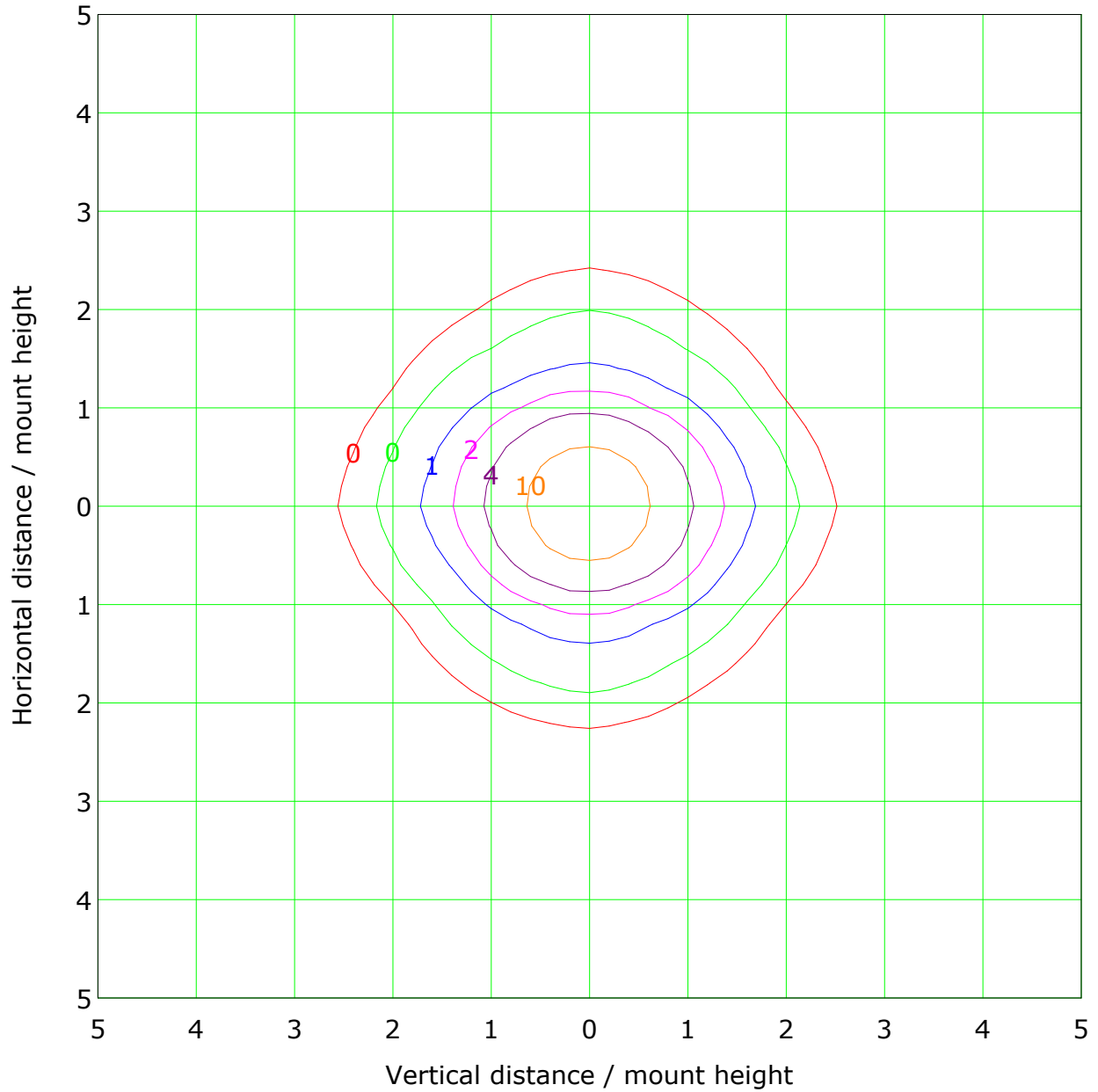
Imax (100%): 1947 cd

— (10%): 195 cd	— (16%): 311 cd
— (25%): 487 cd	— (40%): 779 cd
— (63%): 1226 cd	— (100%): 1947 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



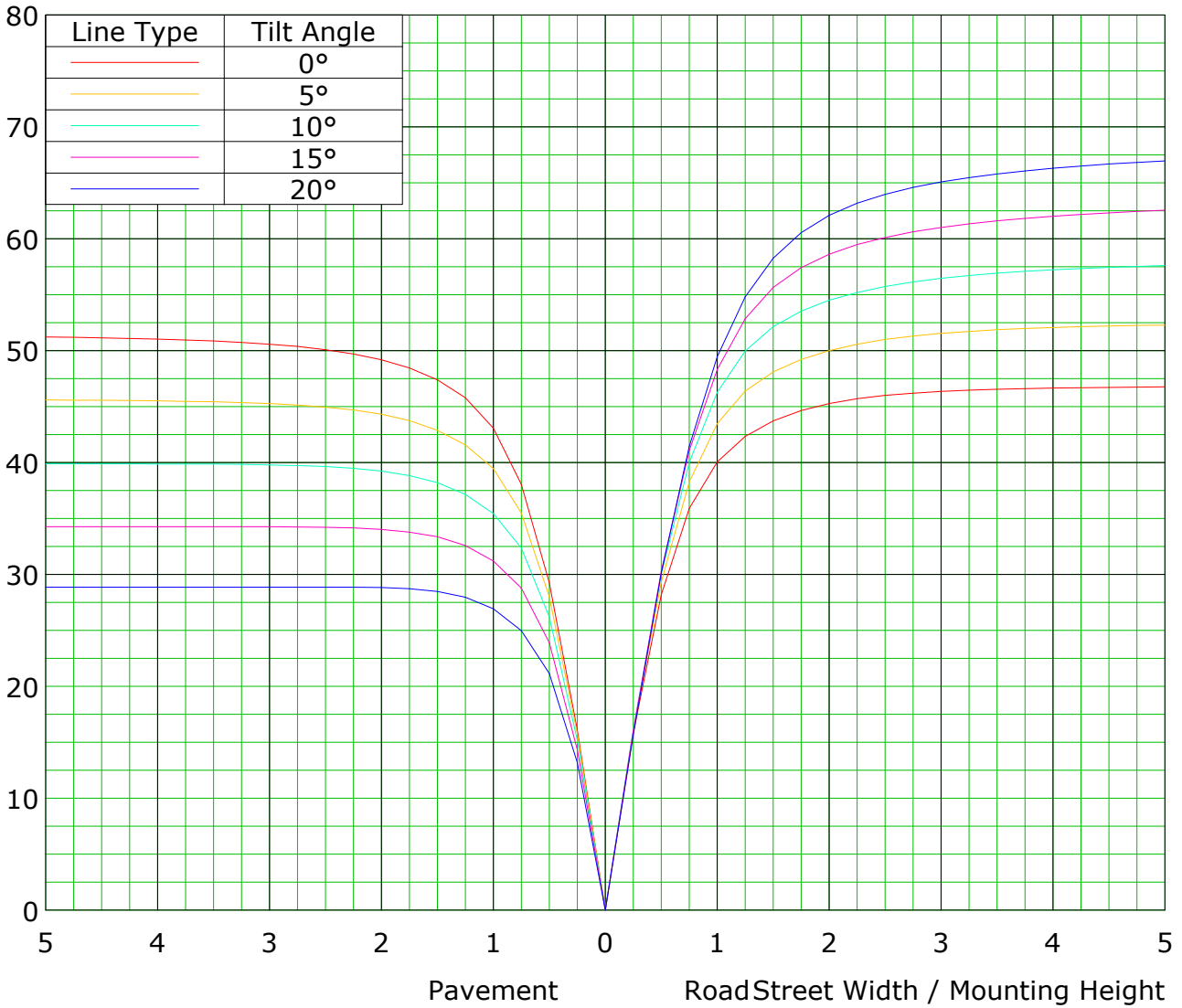
Mounting Height: 10.0m		Max Lux(100%): 19.4 lx	
<ul style="list-style-type: none"> — (1%): 0.2 lx — (5%): 1.0 lx — (20%): 3.9 lx — (100%): 19.4 lx 	<ul style="list-style-type: none"> — (2%): 0.4 lx — (10%): 1.9 lx — (50%): 9.7 lx 		

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

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

Roadway CU Curve

Efficiency(%)

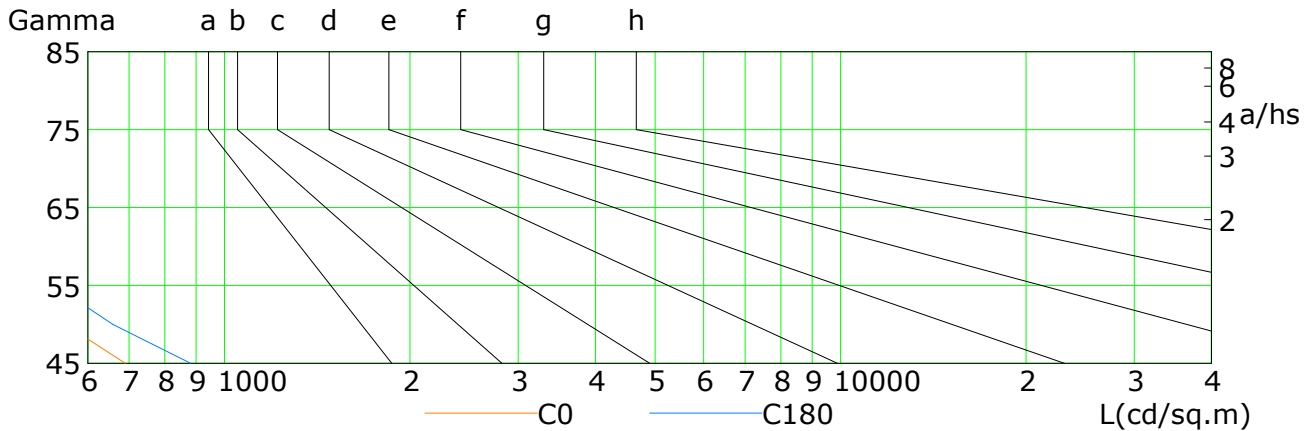
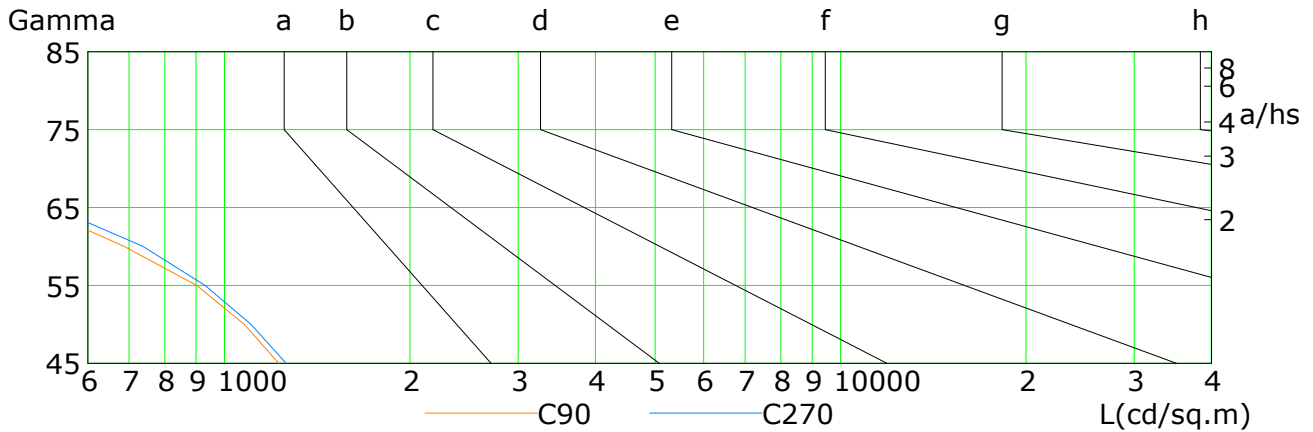


C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		a	b	c	d	e	f	g	h
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

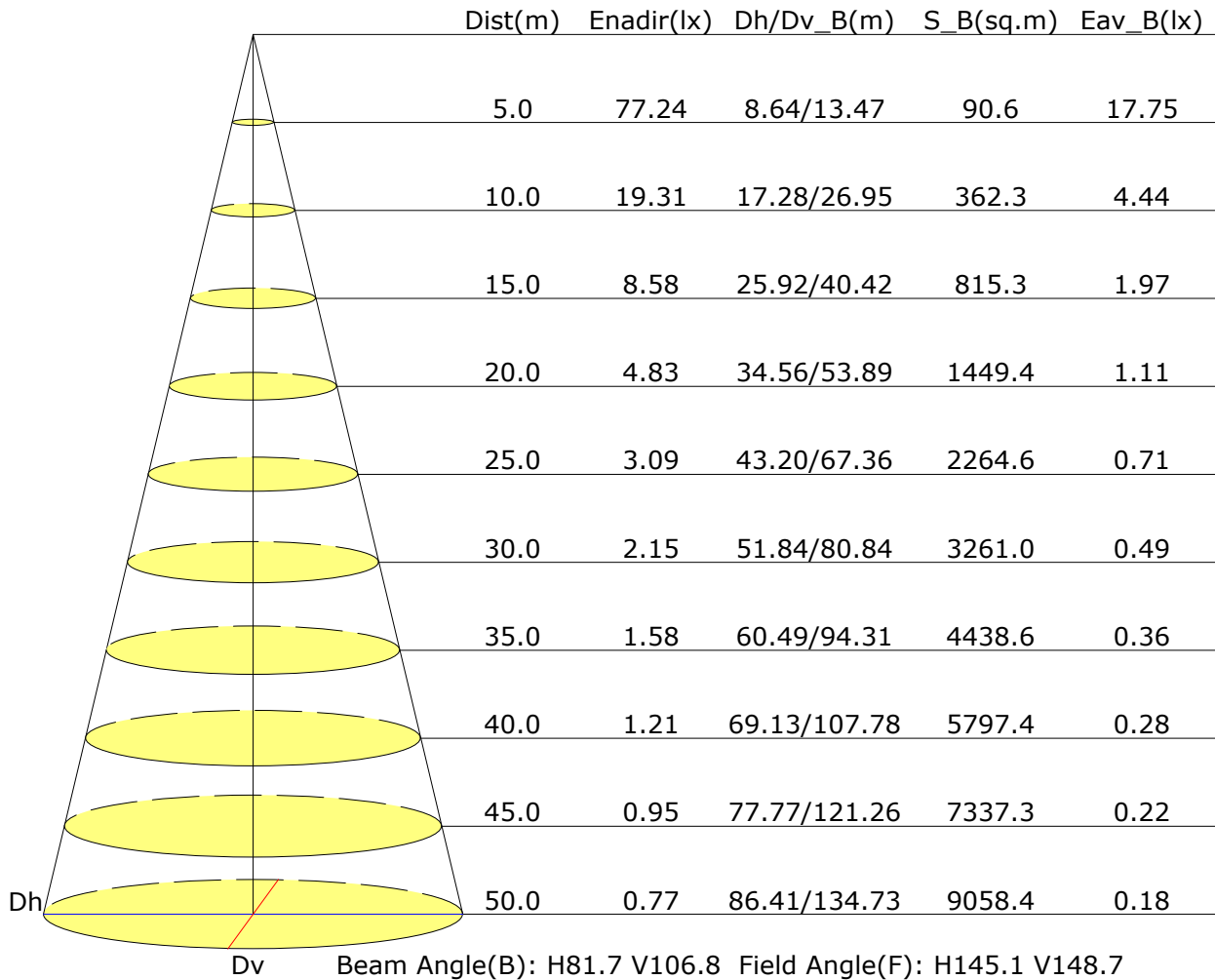


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	690	552	481	420	313	204	110	34	1
C90	1226	1077	902	688	498	317	153	35	1
C180	881	659	531	468	399	291	187	96	19
C270	1260	1105	930	738	527	353	195	63	1

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

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

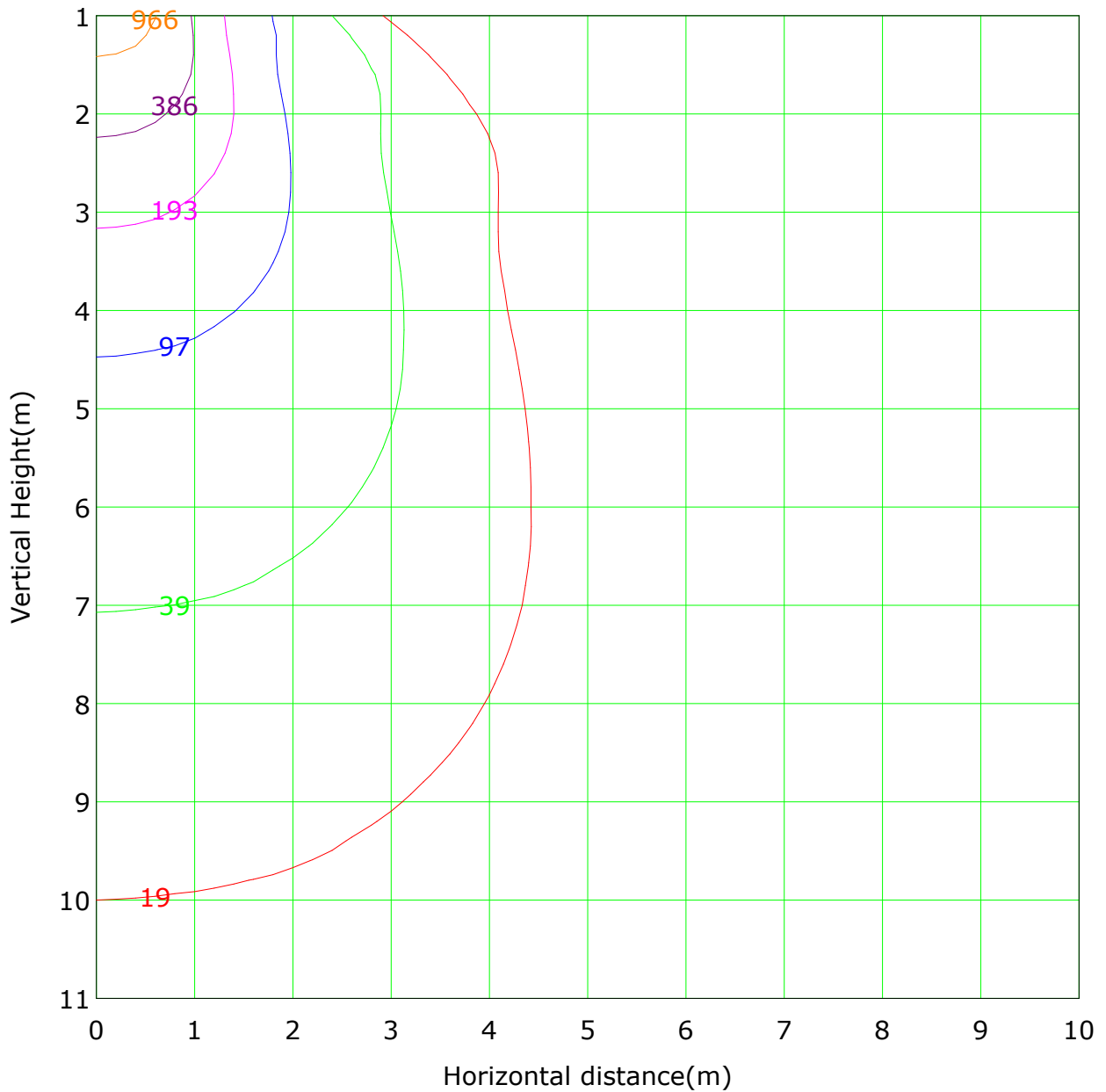
Illuminance at a Distance



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: 1931.0 lx

— (1%): 19.3 lx	— (2%): 38.6 lx
— (5%): 96.6 lx	— (10%): 193.1 lx
— (20%): 386.2 lx	— (50%): 965.5 lx
— (100%):1931.0 lx	

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

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

Area Flux Table

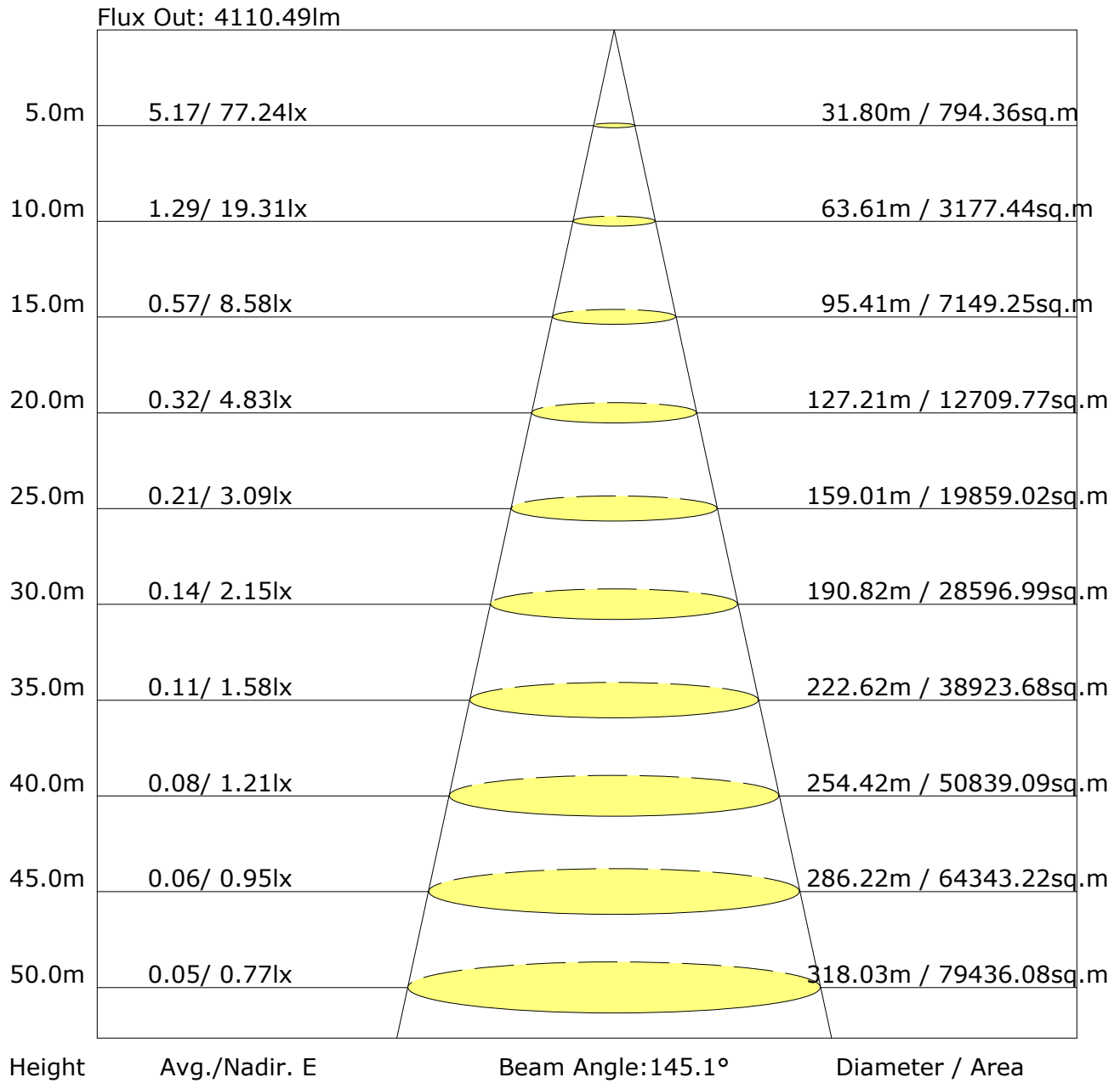
Unit: lm

Vertical plane		Horizontal plane																				
Flux(E)	Flux(T)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		
0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	3.8	0.0
0.0	0.1	0.5	1.2	1.8	2.5	3.4	4.6	5.6	5.5	4.2	2.8	1.9	1.2	0.6	0.1	0.0	0.0	0.0	0.0	0.0	36.2	11.0
0.0	0.3	1.2	2.6	4.2	6.2	8.8	12.3	15.2	14.7	10.9	7.0	4.9	3.3	1.9	0.7	0.1	0.0	0.0	0.0	94.2	79.2	
0.0	0.6	2.0	4.1	6.9	11.3	17.4	23.3	27.1	26.0	20.1	13.4	9.0	5.8	3.3	1.4	0.2	0.0	0.0	0.0	171.9	165.8	
0.1	0.8	2.8	5.6	9.6	17.3	27.2	34.3	37.6	36.5	30.8	22.2	13.8	8.4	4.9	2.1	0.4	0.0	0.0	0.0	254.2	2250.7	
0.1	1.1	3.6	6.9	12.3	23.4	35.3	43.4	46.4	45.5	40.5	30.7	18.8	10.3	6.2	2.7	0.6	0.0	0.0	0.0	327.9	325.4	
0.1	1.3	4.2	8.1	15.7	28.9	41.6	49.8	53.0	52.4	47.6	37.2	23.5	12.6	7.3	3.4	0.8	0.0	0.0	0.0	387.5	385.6	
0.1	1.5	4.7	9.0	18.4	32.8	45.9	53.5	56.7	56.1	51.7	41.6	27.3	14.6	8.0	3.8	0.9	0.0	0.0	0.0	426.6	424.9	
0.1	1.6	5.0	9.5	19.3	34.3	47.7	55.2	58.5	58.0	53.5	43.6	28.9	15.3	8.4	4.1	1.0	0.0	0.0	0.0	443.9	442.2	
0.1	1.5	5.0	9.4	19.0	33.9	47.3	55.1	58.2	57.8	53.3	43.4	28.7	15.3	8.3	4.0	1.0	0.0	0.0	0.0	441.4	439.8	
0.1	1.4	4.7	8.8	17.5	31.6	44.7	52.6	56.1	55.5	50.9	41.1	27.0	14.4	7.8	3.7	0.9	0.0	0.0	0.0	418.8	417.0	
0.1	1.3	4.2	7.9	14.6	26.8	39.8	48.2	51.3	50.8	46.4	36.4	23.0	12.2	7.0	3.2	0.8	0.0	0.0	0.0	374.1	372.1	
0.1	1.1	3.5	6.8	11.4	21.3	32.9	41.3	44.7	44.1	39.5	30.3	18.6	9.8	5.9	2.6	0.6	0.0	0.0	0.0	314.5	311.9	
0.1	0.8	2.7	5.5	9.0	15.5	24.7	32.1	36.2	35.7	30.7	22.5	13.8	7.9	4.5	1.9	0.4	0.0	0.0	0.0	243.9	240.1	
0.0	0.6	1.9	4.0	6.5	9.9	15.0	21.1	25.6	25.3	20.1	13.7	8.8	5.5	3.0	1.2	0.2	0.0	0.0	0.0	162.2	155.5	
0.0	0.3	1.1	2.3	3.8	5.5	7.6	11.0	14.0	13.8	10.5	6.9	4.6	3.0	1.6	0.6	0.1	0.0	0.0	0.0	86.6	70.5	
0.0	0.1	0.4	1.0	1.5	2.1	2.8	3.7	4.6	4.5	3.5	2.4	1.6	1.0	0.4	0.1	0.0	0.0	0.0	0.0	29.6	6.4	
0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	
1.1	14.4	47.8	93.0	172.3	304.0	442.7	542.1	591.4	582.6	514.6	395.8	254.6	140.7	79.0	35.6	7.8	0.2	4.220				
0.0	5.0	39.4	84.8	164.4	296.3	435.6	536.3	586.5	577.7	508.6	388.1	246.4	132.5	70.5	25.7	0.0	0.0	4.098				

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

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

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.573 m [K=1.0000]

Humidity:

Inspector:

UGR Table

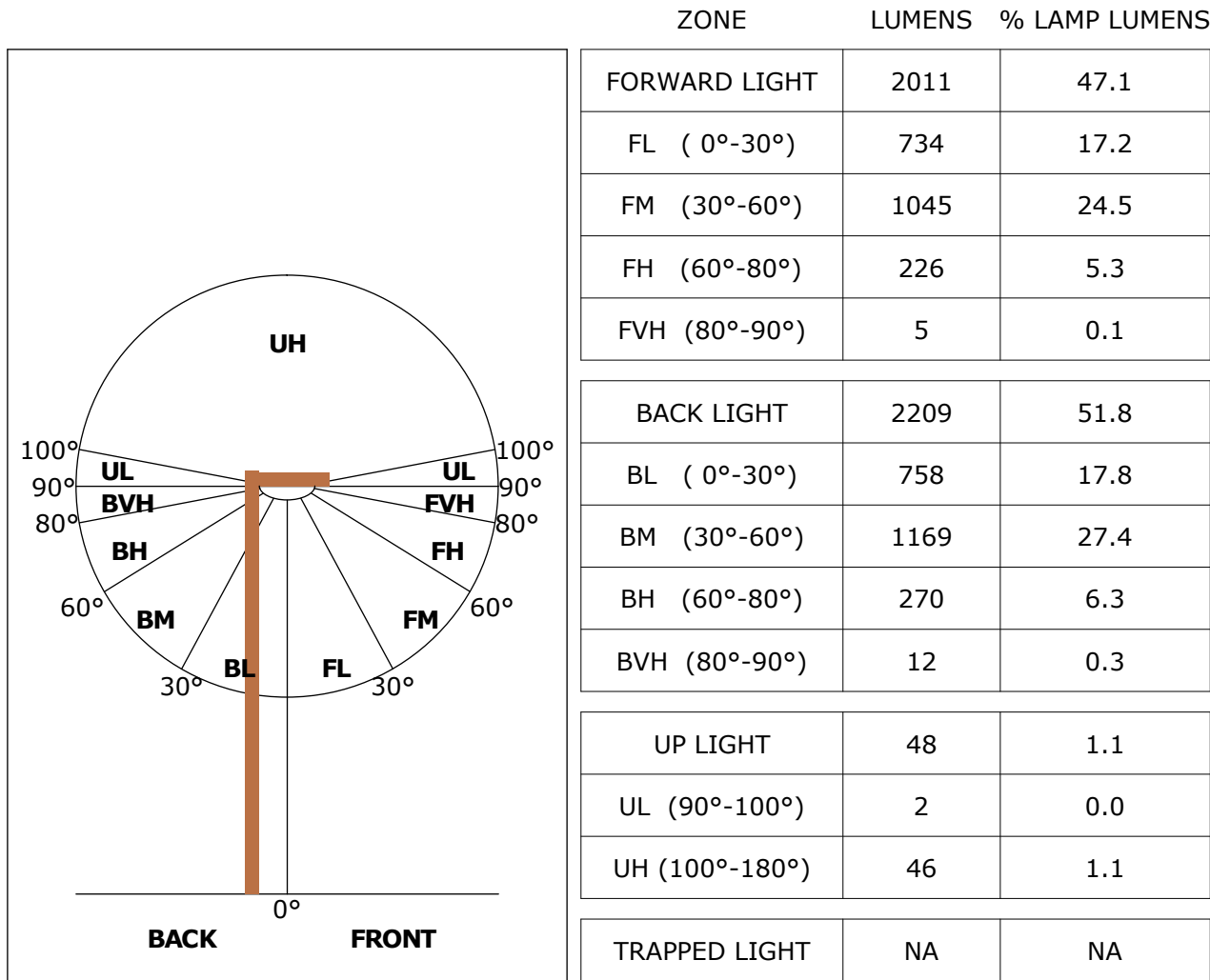
Reflectance:											
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	Viewed crosswise					Viewed endwise					
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$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

Calculate in accordance with CIE Pub.117. The table is revised with 4268lm ($8\log(F/F_0) = 5.0$).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

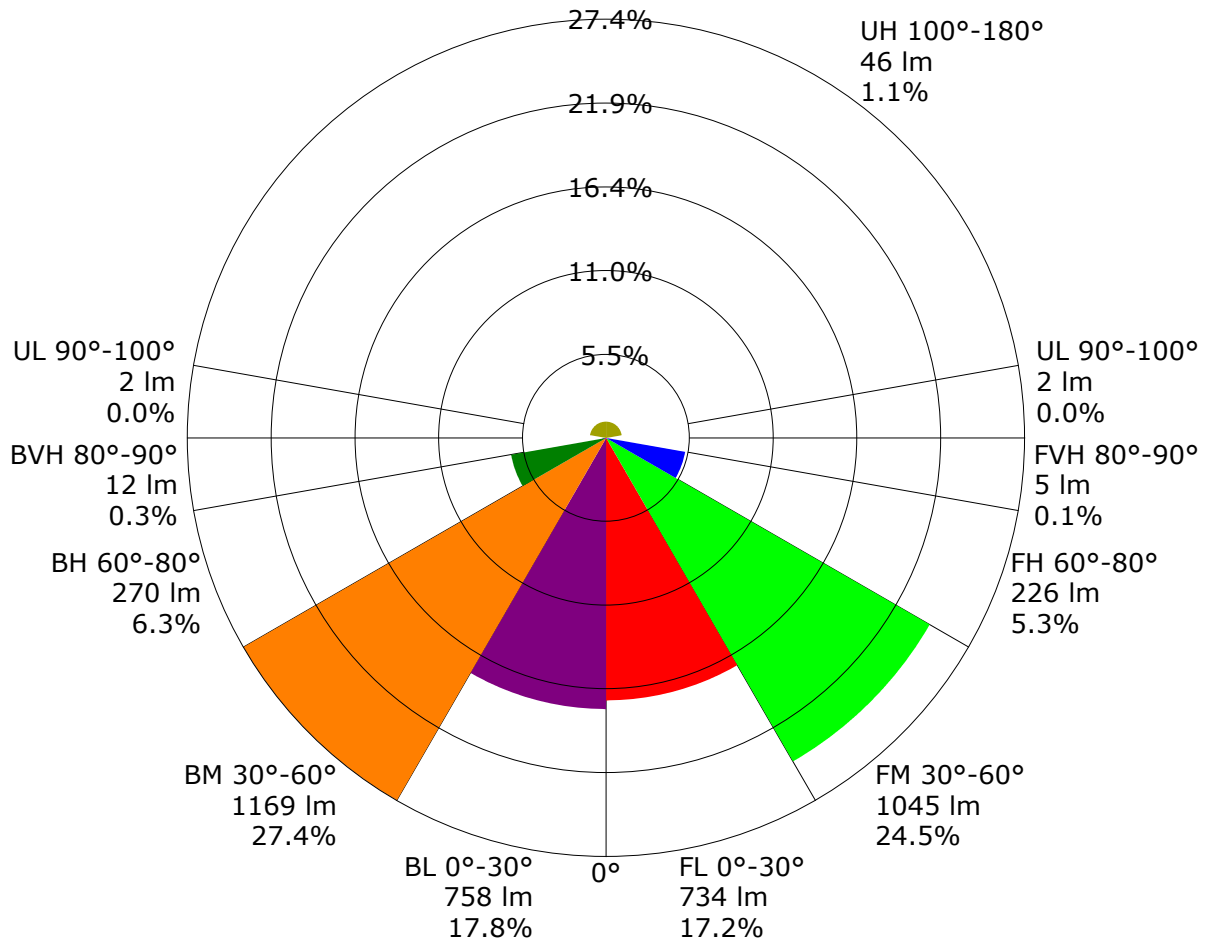


BUG(Backlight, Uplight, Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

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

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(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	0.64	0.74	0.81	0.86	0.92	0.97	1.00	1.03	1.06	
	0.30		0.57	0.68	0.75	0.80	0.87	0.92	0.95	1.00	1.03	
	0.20		0.52	0.63	0.70	0.75	0.83	0.88	0.92	0.97	1.00	
0.50	0.50	0.20	0.63	0.72	0.79	0.83	0.89	0.93	0.96	0.99	1.02	
	0.30		0.57	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99	
	0.20		0.52	0.62	0.69	0.74	0.81	0.86	0.89	0.94	0.97	
0.30	0.50	0.20	0.61	0.70	0.76	0.81	0.86	0.90	0.92	0.96	0.98	
	0.30		0.56	0.65	0.72	0.76	0.83	0.87	0.90	0.93	0.96	
	0.20		0.52	0.61	0.68	0.73	0.79	0.84	0.87	0.91	0.94	
0.00	0.00	0.00	0.50	0.59	0.65	0.70	0.76	0.80	0.83	0.87	0.89	
<p>Rating:36W 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 = 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	0.88	0.71	0.60	0.51	0.40	0.33	0.28	0.22	0.18	
	0.30		0.73	0.61	0.52	0.46	0.37	0.31	0.26	0.20	0.17	
	0.20		0.63	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.16	
0.50	0.50	0.20	0.84	0.68	0.57	0.49	0.38	0.35	0.27	0.20	0.16	
	0.30		0.71	0.59	0.50	0.44	0.35	0.29	0.25	0.19	0.16	
	0.20		0.62	0.52	0.45	0.40	0.32	0.27	0.23	0.18	0.15	
0.30	0.50	0.20	0.81	0.65	0.54	0.47	0.36	0.30	0.25	0.19	0.16	
	0.30		0.69	0.57	0.48	0.42	0.34	0.28	0.24	0.18	0.15	
	0.20		0.61	0.51	0.44	0.39	0.31	0.26	0.22	0.17	0.14	
0.00	0.00	0.00	0.50	0.40	0.34	0.29	0.23	0.19	0.16	0.12	0.10	
<p>Rating:36W 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 = 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	0.20	0.20	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.21	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		0.06	0.08	0.09	0.11	0.13	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	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.08	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	
<p>Rating:36W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

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

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1934.1	1.9	1.9	0.04	0.04
1.0-2.0	1933.1	5.5	7.4	0.13	0.17
2.0-3.0	1932.1	9.2	16.6	0.22	0.39
3.0-4.0	1931.4	12.9	29.6	0.30	0.69
4.0-5.0	1930.3	16.6	46.2	0.39	1.08
5.0-6.0	1928.3	20.3	66.4	0.47	1.56
6.0-7.0	1926.1	23.9	90.4	0.56	2.12
7.0-8.0	1922.5	27.5	117.9	0.64	2.76
8.0-9.0	1917.6	31.1	149.0	0.73	3.49
9.0-10.0	1911.9	34.6	183.6	0.81	4.30
10.0-11.0	1905.6	38.1	221.6	0.89	5.19
11.0-12.0	1898.5	41.5	263.1	0.97	6.17
12.0-13.0	1890.5	44.9	308.0	1.05	7.22
13.0-14.0	1881.5	48.2	356.2	1.13	8.35
14.0-15.0	1871.0	51.4	407.6	1.20	9.55
15.0-16.0	1859.1	54.5	462.0	1.28	10.83
16.0-17.0	1846.9	57.5	519.6	1.35	12.17
17.0-18.0	1834.1	60.5	580.0	1.42	13.59
18.0-19.0	1820.4	63.3	643.4	1.48	15.08
19.0-20.0	1804.7	66.1	709.5	1.55	16.62
20.0-21.0	1788.5	68.7	778.1	1.61	18.23
21.0-22.0	1772.7	71.2	849.4	1.67	19.90
22.0-23.0	1755.5	73.7	923.1	1.73	21.63
23.0-24.0	1737.1	76.0	999.0	1.78	23.41
24.0-25.0	1717.1	78.1	1077.1	1.83	25.24
25.0-26.0	1694.9	80.0	1157.1	1.87	27.11
26.0-27.0	1670.8	81.8	1238.9	1.92	29.03
27.0-28.0	1645.9	83.3	1322.2	1.95	30.98
28.0-29.0	1619.8	84.8	1407.0	1.99	32.97
29.0-30.0	1591.2	85.9	1492.9	2.01	34.98
30.0-31.0	1561.0	86.9	1579.8	2.04	37.02
31.0-32.0	1529.7	87.7	1667.4	2.05	39.07
32.0-33.0	1496.2	88.2	1755.6	2.07	41.14
33.0-34.0	1461.5	88.5	1844.0	2.07	43.21
34.0-35.0	1426.1	88.6	1932.6	2.08	45.28
35.0-36.0	1389.1	88.5	2021.1	2.07	47.36

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

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

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	1351.3	88.1	2109.2	2.07	49.42
37.0-38.0	1312.4	87.6	2196.8	2.05	51.48
38.0-39.0	1271.8	86.8	2283.6	2.03	53.51
39.0-40.0	1231.3	85.9	2369.5	2.01	55.52
40.0-41.0	1191.2	84.8	2454.4	1.99	57.51
41.0-42.0	1150.4	83.6	2538.0	1.96	59.47
42.0-43.0	1108.9	82.2	2620.1	1.92	61.39
43.0-44.0	1067.3	80.6	2700.7	1.89	63.28
44.0-45.0	1025.8	78.8	2779.5	1.85	65.13
45.0-46.0	984.3	77.0	2856.5	1.80	66.93
46.0-47.0	942.9	75.0	2931.5	1.76	68.69
47.0-48.0	901.5	72.9	3004.4	1.71	70.40
48.0-49.0	860.7	70.7	3075.1	1.66	72.06
49.0-50.0	821.4	68.5	3143.6	1.60	73.66
50.0-51.0	783.5	66.3	3209.9	1.55	75.21
51.0-52.0	746.2	64.0	3273.9	1.50	76.71
52.0-53.0	709.8	61.8	3335.7	1.45	78.16
53.0-54.0	675.3	59.5	3395.2	1.39	79.56
54.0-55.0	642.1	57.3	3452.5	1.34	80.90
55.0-56.0	609.8	55.1	3507.6	1.29	82.19
56.0-57.0	578.9	52.9	3560.6	1.24	83.43
57.0-58.0	549.3	50.8	3611.4	1.19	84.62
58.0-59.0	520.5	48.7	3660.0	1.14	85.76
59.0-60.0	492.7	46.5	3706.6	1.09	86.85
60.0-61.0	465.5	44.4	3751.0	1.04	87.89
61.0-62.0	438.8	42.3	3793.3	0.99	88.88
62.0-63.0	412.8	40.2	3833.5	0.94	89.83
63.0-64.0	387.6	38.0	3871.5	0.89	90.72
64.0-65.0	362.9	35.9	3907.4	0.84	91.56
65.0-66.0	338.7	33.8	3941.2	0.79	92.35
66.0-67.0	315.0	31.7	3972.9	0.74	93.09
67.0-68.0	291.4	29.5	4002.4	0.69	93.78
68.0-69.0	268.9	27.4	4029.8	0.64	94.43
69.0-70.0	247.2	25.4	4055.2	0.59	95.02
70.0-71.0	225.5	23.3	4078.5	0.55	95.57
71.0-72.0	204.4	21.3	4099.8	0.50	96.07

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

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

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	184.5	19.3	4119.1	0.45	96.52
73.0-74.0	165.3	17.4	4136.5	0.41	96.93
74.0-75.0	146.5	15.5	4152.0	0.36	97.29
75.0-76.0	128.2	13.6	4165.6	0.32	97.61
76.0-77.0	110.5	11.8	4177.4	0.28	97.88
77.0-78.0	93.8	10.0	4187.4	0.24	98.12
78.0-79.0	78.0	8.4	4195.8	0.20	98.31
79.0-80.0	63.1	6.8	4202.6	0.16	98.47
80.0-81.0	49.3	5.3	4207.9	0.13	98.60
81.0-82.0	37.1	4.0	4211.9	0.09	98.69
82.0-83.0	26.9	2.9	4214.9	0.07	98.76
83.0-84.0	18.6	2.0	4216.9	0.05	98.81
84.0-85.0	12.3	1.3	4218.2	0.03	98.84
85.0-86.0	7.4	0.8	4219.0	0.02	98.86
86.0-87.0	4.0	0.4	4219.5	0.01	98.87
87.0-88.0	2.2	0.2	4219.7	0.01	98.88
88.0-89.0	1.3	0.1	4219.8	0.00	98.88
89.0-90.0	0.9	0.1	4220.0	0.00	98.88
90.0-91.0	0.9	0.1	4220.1	0.00	98.88
91.0-92.0	0.9	0.1	4220.2	0.00	98.89
92.0-93.0	1.0	0.1	4220.3	0.00	98.89
93.0-94.0	1.2	0.1	4220.4	0.00	98.89
94.0-95.0	1.4	0.1	4220.6	0.00	98.90
95.0-96.0	1.4	0.2	4220.7	0.00	98.90
96.0-97.0	1.5	0.2	4220.9	0.00	98.90
97.0-98.0	1.7	0.2	4221.1	0.00	98.91
98.0-99.0	1.8	0.2	4221.3	0.00	98.91
99.0-100.0	1.9	0.2	4221.5	0.00	98.92
100.0-101.0	2.1	0.2	4221.7	0.01	98.92
101.0-102.0	2.2	0.2	4221.9	0.01	98.93
102.0-103.0	2.4	0.3	4222.2	0.01	98.93
103.0-104.0	2.5	0.3	4222.4	0.01	98.94
104.0-105.0	2.7	0.3	4222.7	0.01	98.95
105.0-106.0	2.8	0.3	4223.0	0.01	98.95
106.0-107.0	3.0	0.3	4223.3	0.01	98.96
107.0-108.0	3.2	0.3	4223.7	0.01	98.97

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

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

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	3.4	0.4	4224.0	0.01	98.98
109.0-110.0	3.6	0.4	4224.4	0.01	98.99
110.0-111.0	3.8	0.4	4224.8	0.01	99.00
111.0-112.0	4.0	0.4	4225.2	0.01	99.00
112.0-113.0	4.3	0.4	4225.6	0.01	99.01
113.0-114.0	4.5	0.5	4226.1	0.01	99.03
114.0-115.0	4.8	0.5	4226.6	0.01	99.04
115.0-116.0	5.2	0.5	4227.1	0.01	99.05
116.0-117.0	5.5	0.5	4227.6	0.01	99.06
117.0-118.0	5.8	0.6	4228.2	0.01	99.07
118.0-119.0	6.1	0.6	4228.8	0.01	99.09
119.0-120.0	6.4	0.6	4229.4	0.01	99.10
120.0-121.0	6.6	0.6	4230.0	0.01	99.12
121.0-122.0	6.9	0.6	4230.7	0.02	99.13
122.0-123.0	7.2	0.7	4231.3	0.02	99.15
123.0-124.0	7.5	0.7	4232.0	0.02	99.16
124.0-125.0	7.7	0.7	4232.7	0.02	99.18
125.0-126.0	8.0	0.7	4233.4	0.02	99.20
126.0-127.0	8.3	0.7	4234.1	0.02	99.21
127.0-128.0	8.6	0.7	4234.9	0.02	99.23
128.0-129.0	8.8	0.8	4235.7	0.02	99.25
129.0-130.0	9.1	0.8	4236.4	0.02	99.27
130.0-131.0	9.4	0.8	4237.2	0.02	99.29
131.0-132.0	9.7	0.8	4238.0	0.02	99.30
132.0-133.0	10.0	0.8	4238.8	0.02	99.32
133.0-134.0	10.3	0.8	4239.6	0.02	99.34
134.0-135.0	10.6	0.8	4240.5	0.02	99.36
135.0-136.0	10.9	0.8	4241.3	0.02	99.38
136.0-137.0	11.2	0.8	4242.1	0.02	99.40
137.0-138.0	11.4	0.8	4243.0	0.02	99.42
138.0-139.0	11.7	0.9	4243.8	0.02	99.44
139.0-140.0	12.0	0.9	4244.7	0.02	99.46
140.0-141.0	12.3	0.9	4245.5	0.02	99.48
141.0-142.0	12.5	0.9	4246.4	0.02	99.50
142.0-143.0	12.8	0.9	4247.3	0.02	99.52
143.0-144.0	13.1	0.9	4248.1	0.02	99.54

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

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

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	13.3	0.8	4249.0	0.02	99.56
145.0-146.0	13.6	0.8	4249.8	0.02	99.58
146.0-147.0	13.9	0.8	4250.6	0.02	99.60
147.0-148.0	14.1	0.8	4251.5	0.02	99.62
148.0-149.0	14.4	0.8	4252.3	0.02	99.64
149.0-150.0	14.7	0.8	4253.1	0.02	99.66
150.0-151.0	14.9	0.8	4253.9	0.02	99.68
151.0-152.0	15.2	0.8	4254.7	0.02	99.70
152.0-153.0	15.5	0.8	4255.5	0.02	99.71
153.0-154.0	15.8	0.8	4256.3	0.02	99.73
154.0-155.0	16.1	0.8	4257.0	0.02	99.75
155.0-156.0	16.3	0.7	4257.8	0.02	99.77
156.0-157.0	16.6	0.7	4258.5	0.02	99.79
157.0-158.0	16.8	0.7	4259.2	0.02	99.80
158.0-159.0	17.1	0.7	4259.9	0.02	99.82
159.0-160.0	17.3	0.7	4260.6	0.02	99.83
160.0-161.0	17.6	0.6	4261.2	0.02	99.85
161.0-162.0	17.8	0.6	4261.8	0.01	99.86
162.0-163.0	18.0	0.6	4262.4	0.01	99.88
163.0-164.0	18.2	0.6	4263.0	0.01	99.89
164.0-165.0	18.4	0.5	4263.5	0.01	99.90
165.0-166.0	18.6	0.5	4264.0	0.01	99.91
166.0-167.0	18.8	0.5	4264.5	0.01	99.93
167.0-168.0	19.0	0.5	4265.0	0.01	99.94
168.0-169.0	19.2	0.4	4265.4	0.01	99.95
169.0-170.0	19.4	0.4	4265.8	0.01	99.96
170.0-171.0	19.6	0.4	4266.1	0.01	99.96
171.0-172.0	19.7	0.3	4266.5	0.01	99.97
172.0-173.0	19.9	0.3	4266.7	0.01	99.98
173.0-174.0	20.1	0.2	4267.0	0.01	99.98
174.0-175.0	20.2	0.2	4267.2	0.00	99.99
175.0-176.0	20.3	0.2	4267.4	0.00	99.99
176.0-177.0	20.4	0.1	4267.5	0.00	100.00
177.0-178.0	20.4	0.1	4267.6	0.00	100.00
178.0-179.0	20.4	0.1	4267.7	0.00	100.00
179.0-180.0	20.5	0.0	4267.7	0.00	100.00

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

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

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1931.0	1934.1	1939.5	1934.4	1932.7	1936.7	1931.0	1934.1	1939.5	1934.4
G1.0	1929.5	1927.1	1938.4	1933.3	1928.9	1937.2	1937.2	1934.8	1929.9	1934.7
G2.0	1927.6	1925.0	1936.6	1931.2	1928.8	1936.5	1938.8	1935.8	1929.6	1935.2
G3.0	1924.4	1922.0	1934.6	1923.8	1926.3	1928.3	1940.2	1937.6	1929.1	1943.6
G4.0	1920.8	1918.4	1933.6	1921.5	1925.6	1927.7	1939.3	1946.6	1928.6	1942.3
G5.0	1916.2	1913.8	1929.7	1917.8	1923.6	1925.4	1944.4	1945.3	1926.4	1939.9
G6.0	1917.1	1909.6	1924.8	1914.2	1927.1	1923.6	1942.6	1944.3	1929.9	1937.3
G7.0	1912.2	1914.1	1919.6	1919.8	1923.3	1920.8	1940.8	1942.2	1928.5	1925.9
G8.0	1906.6	1908.9	1913.7	1914.0	1919.4	1923.5	1938.4	1933.9	1925.9	1922.1
G9.0	1899.8	1902.5	1899.0	1908.1	1914.8	1920.3	1935.4	1929.8	1922.9	1917.9
G10.0	1899.3	1894.9	1890.7	1901.6	1911.6	1916.0	1929.7	1926.4	1919.2	1912.8
G11.0	1890.4	1886.9	1882.4	1893.8	1905.7	1910.4	1924.9	1921.8	1921.8	1906.8
G12.0	1879.4	1877.5	1873.1	1886.4	1899.1	1905.3	1919.2	1915.8	1917.1	1900.4
G13.0	1868.6	1866.9	1859.7	1878.1	1890.0	1905.6	1912.8	1905.4	1910.7	1888.6
G14.0	1857.0	1855.9	1849.3	1868.1	1881.8	1898.2	1905.8	1898.1	1904.4	1880.7
G15.0	1830.4	1842.5	1837.8	1857.4	1873.3	1889.9	1887.0	1891.2	1896.7	1873.0
G16.0	1814.6	1821.5	1826.8	1846.0	1860.2	1880.7	1878.1	1883.7	1882.3	1863.3
G17.0	1796.6	1806.3	1814.2	1833.4	1849.1	1870.8	1868.5	1870.5	1873.3	1851.7
G18.0	1777.0	1789.4	1800.4	1815.0	1837.4	1859.6	1856.8	1860.6	1862.6	1841.8
G19.0	1755.5	1771.0	1788.5	1800.9	1824.1	1837.9	1846.2	1850.5	1852.6	1831.8
G20.0	1727.4	1747.3	1773.9	1785.8	1799.5	1823.8	1832.1	1839.1	1836.2	1819.3
G21.0	1702.6	1725.8	1757.3	1769.9	1785.3	1808.8	1818.3	1827.0	1824.5	1807.6
G22.0	1676.0	1703.6	1740.5	1747.3	1771.0	1786.7	1801.0	1822.3	1812.1	1804.0
G23.0	1647.0	1679.3	1728.8	1729.2	1754.9	1768.6	1781.8	1807.8	1798.9	1789.2
G24.0	1617.2	1654.0	1710.0	1712.2	1738.2	1749.3	1767.9	1790.7	1784.8	1774.9
G25.0	1583.8	1627.6	1690.0	1694.4	1724.8	1728.5	1745.0	1772.4	1767.2	1759.0
G26.0	1548.4	1597.6	1669.9	1676.9	1707.2	1705.6	1719.3	1752.7	1752.3	1740.0
G27.0	1511.0	1567.0	1638.7	1658.1	1688.1	1681.6	1692.1	1727.5	1735.6	1722.1
G28.0	1472.6	1533.6	1625.2	1638.2	1668.3	1654.8	1662.2	1703.4	1719.1	1703.9
G29.0	1430.1	1501.8	1591.8	1618.5	1647.5	1626.3	1621.3	1677.8	1709.6	1685.0
G30.0	1387.3	1464.9	1567.2	1603.8	1630.9	1595.7	1586.7	1639.1	1690.5	1654.0
G31.0	1343.5	1426.3	1540.8	1581.5	1607.5	1564.8	1549.7	1609.3	1670.2	1633.8
G32.0	1298.6	1386.3	1507.4	1558.4	1584.3	1530.1	1510.3	1577.5	1649.2	1611.7
G33.0	1245.9	1333.7	1481.4	1535.0	1553.2	1493.3	1461.8	1544.2	1622.0	1587.8
G34.0	1198.7	1290.5	1452.6	1512.1	1526.7	1454.3	1419.8	1508.3	1598.4	1561.9
G35.0	1150.5	1245.2	1422.2	1481.0	1498.9	1410.5	1375.3	1470.8	1573.7	1534.8
G36.0	1091.6	1201.1	1394.8	1457.6	1469.9	1367.4	1329.6	1429.6	1546.4	1507.0

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

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

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1043.3	1153.9	1363.7	1433.5	1438.5	1322.3	1276.4	1388.3	1516.7	1480.1
G38.0	995.7	1099.7	1332.0	1410.2	1399.7	1276.3	1228.5	1345.4	1485.8	1452.5
G39.0	948.1	1052.6	1299.5	1378.6	1366.6	1215.9	1178.7	1301.7	1444.0	1427.8
G40.0	900.9	1003.9	1265.3	1354.1	1333.1	1167.1	1129.6	1256.2	1411.5	1400.6
G41.0	854.3	955.4	1228.4	1329.6	1298.5	1117.4	1080.4	1209.4	1378.0	1373.5
G42.0	810.0	907.8	1192.7	1304.5	1259.3	1067.2	1030.1	1161.0	1341.0	1346.1
G43.0	767.4	858.9	1156.7	1278.2	1222.6	1017.3	980.4	1107.3	1306.4	1316.4
G44.0	728.5	812.3	1118.9	1252.4	1185.4	964.5	930.5	1056.4	1270.0	1288.5
G45.0	690.3	767.3	1075.9	1226.0	1146.9	915.3	881.2	1004.9	1233.3	1260.0
G46.0	656.5	720.2	1036.4	1198.0	1107.9	865.7	829.7	953.8	1195.6	1231.6
G47.0	626.2	677.5	995.2	1169.2	1067.0	816.3	784.8	902.7	1157.1	1196.2
G48.0	599.2	636.7	943.8	1139.4	1024.5	767.0	742.3	844.5	1117.1	1166.6
G49.0	571.8	598.8	901.3	1109.2	981.5	721.3	695.0	794.8	1076.9	1135.9
G50.0	551.6	563.7	858.5	1076.9	934.3	677.6	659.1	747.1	1031.6	1104.6
G51.0	534.1	528.5	814.3	1043.6	888.5	636.8	626.5	700.4	988.7	1071.8
G52.0	518.8	499.6	770.0	1009.6	842.3	595.0	597.8	649.7	944.0	1031.7
G53.0	505.8	474.1	723.0	974.4	796.2	559.1	570.8	609.2	899.8	998.4
G54.0	491.5	451.5	679.1	939.2	749.9	527.9	549.4	571.5	846.9	963.3
G55.0	481.0	427.1	636.0	902.2	694.5	499.9	531.0	536.8	801.2	930.2
G56.0	470.7	409.3	593.6	855.1	649.5	470.4	514.9	505.1	754.7	893.8
G57.0	459.8	392.8	551.0	815.2	605.1	449.0	500.8	476.9	708.5	857.2
G58.0	447.4	377.6	510.4	774.8	559.1	429.8	489.5	452.0	656.4	820.0
G59.0	434.4	363.0	472.3	730.1	517.6	412.7	478.6	429.8	611.8	778.2
G60.0	419.6	349.1	435.2	687.8	478.1	394.5	467.9	409.9	568.3	738.2
G61.0	402.2	334.6	396.1	647.5	441.0	380.0	457.1	390.0	526.5	696.4
G62.0	381.2	320.2	363.8	609.2	403.1	366.1	444.9	373.5	485.2	653.9
G63.0	357.9	305.0	334.5	572.1	370.3	352.3	432.5	358.2	446.6	605.5
G64.0	335.2	288.4	307.8	534.2	340.3	338.5	418.4	343.3	409.8	565.1
G65.0	312.8	271.5	279.5	498.2	311.9	325.2	399.5	326.5	375.6	527.5
G66.0	292.0	253.0	257.4	462.5	286.8	310.1	380.6	312.3	339.7	491.4
G67.0	269.2	232.2	236.9	427.3	262.9	294.5	359.4	297.7	310.0	451.8
G68.0	248.1	214.5	215.5	388.8	241.8	276.4	337.0	280.1	282.8	417.9
G69.0	227.5	197.9	196.6	353.8	222.0	258.1	312.0	264.1	258.3	385.0
G70.0	203.7	181.6	178.9	317.4	203.8	239.8	291.1	247.3	233.4	352.7
G71.0	183.9	163.2	161.7	278.3	183.8	219.5	270.2	229.6	213.0	317.2
G72.0	164.6	147.1	144.9	243.7	167.3	202.2	249.1	211.3	194.0	284.5
G73.0	146.3	131.7	127.7	213.1	151.6	185.3	228.4	194.9	175.9	252.7

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

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

Candlepower Table (Continue 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	127.2	117.2	112.5	183.7	133.6	168.8	206.9	179.0	156.4	223.5
G75.0	110.3	102.2	97.8	153.3	117.9	150.6	186.9	163.3	139.2	194.9
G76.0	94.1	89.1	83.9	124.5	102.0	134.5	167.7	146.7	122.3	165.9
G77.0	78.6	76.3	67.8	98.6	87.0	119.0	147.4	131.5	105.9	136.9
G78.0	63.5	64.3	54.6	75.6	72.6	104.2	129.6	116.3	89.4	111.3
G79.0	48.5	52.0	44.0	54.9	57.2	90.1	112.6	102.4	74.9	85.2
G80.0	34.1	39.5	34.5	34.9	45.4	75.6	95.9	87.4	61.3	63.0
G81.0	20.4	28.1	26.1	18.3	35.6	63.0	77.9	75.1	48.8	44.2
G82.0	9.9	17.3	20.2	6.4	27.2	50.6	63.2	62.9	38.4	26.3
G83.0	3.8	8.1	15.0	2.0	20.6	38.9	48.9	50.8	30.5	11.9
G84.0	2.1	4.5	10.4	1.4	15.7	25.0	34.0	38.3	23.3	2.6
G85.0	1.5	3.0	4.3	1.2	11.4	14.4	19.0	26.8	17.5	1.3
G86.0	1.2	1.9	1.8	1.3	6.0	6.6	8.9	16.0	12.5	0.0
G87.0	1.2	1.0	1.3	0.0	2.0	3.6	3.9	7.6	8.9	0.0
G88.0	1.2	1.0	1.2	1.0	1.1	2.1	2.6	3.5	4.1	0.0
G89.0	1.2	1.3	1.3	0.0	0.0	1.3	1.6	2.1	1.5	0.0
G90.0	1.4	1.3	1.2	1.1	0.0	0.0	1.6	1.4	1.1	1.0
G91.0	1.3	1.2	1.5	1.1	0.0	0.0	1.4	0.0	1.1	1.0
G92.0	1.7	1.1	1.3	1.3	0.0	0.0	1.5	0.0	1.0	1.0
G93.0	1.7	1.3	1.4	1.4	0.0	1.0	1.5	0.0	1.3	1.4
G94.0	1.9	1.3	1.5	1.5	1.0	1.2	1.5	1.0	1.1	1.4
G95.0	1.9	1.4	1.8	1.7	1.1	1.3	1.7	0.0	1.3	1.5
G96.0	2.0	1.5	1.8	1.8	1.2	1.2	1.6	0.0	1.2	1.8
G97.0	2.2	1.6	2.0	1.9	1.3	1.4	1.7	1.0	1.5	1.9
G98.0	2.3	1.7	1.9	2.0	1.4	1.4	1.8	1.2	1.4	2.1
G99.0	2.3	1.8	2.2	2.4	1.6	1.4	1.9	1.3	1.5	2.2
G100.0	2.4	2.0	2.3	2.6	1.7	1.6	2.0	1.4	1.6	2.5
G101.0	2.5	2.3	2.6	2.8	1.7	1.7	2.1	1.4	1.8	2.6
G102.0	2.7	2.4	2.8	3.0	1.9	1.5	2.3	1.6	2.1	3.0
G103.0	2.8	2.5	3.0	3.2	2.2	1.9	2.2	1.7	2.2	2.9
G104.0	3.0	2.6	3.2	3.4	2.3	2.0	2.4	1.7	2.3	3.1
G105.0	3.1	2.8	3.3	3.7	2.4	2.1	2.6	1.9	2.4	3.2
G106.0	3.2	3.0	3.7	3.8	2.6	2.3	2.7	2.1	2.6	3.6
G107.0	3.4	3.2	3.9	4.0	3.0	2.5	2.8	2.2	2.8	3.7
G108.0	3.4	3.4	4.1	4.3	3.1	2.8	3.0	2.3	3.0	4.0
G109.0	3.7	3.6	4.3	4.6	3.4	2.8	3.0	2.5	3.3	4.0
G110.0	3.9	3.7	4.6	4.8	3.6	3.1	3.3	2.7	3.6	4.3

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 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	4.0	4.0	4.9	4.9	3.7	3.3	3.4	2.9	3.7	4.6
G112.0	4.3	4.2	5.1	5.1	3.9	3.7	3.5	3.1	3.9	4.8
G113.0	4.5	4.4	5.4	5.5	4.2	4.0	4.1	3.4	4.2	5.1
G114.0	4.7	4.8	5.7	5.4	4.4	4.2	4.7	3.6	4.3	5.4
G115.0	4.9	5.0	6.0	5.8	4.7	4.4	5.7	3.9	4.6	5.7
G116.0	5.1	5.3	6.1	6.1	4.9	4.9	6.6	4.0	4.6	5.9
G117.0	5.3	5.5	6.3	6.5	5.1	5.4	8.0	4.2	5.0	6.1
G118.0	5.7	5.7	6.6	6.7	5.5	5.8	8.2	4.6	5.2	6.4
G119.0	5.9	5.9	7.0	6.9	5.7	6.0	9.0	4.7	5.6	6.6
G120.0	6.2	6.2	7.1	7.2	5.9	6.2	9.3	5.1	5.6	6.9
G121.0	6.5	6.5	7.3	7.5	6.5	6.4	9.8	5.4	6.0	7.1
G122.0	6.7	6.9	7.7	7.6	6.5	6.7	10.2	5.6	6.1	7.4
G123.0	7.1	7.2	8.3	8.0	6.8	7.0	10.3	5.8	6.2	7.7
G124.0	7.2	7.5	8.7	8.4	7.0	7.2	10.4	5.9	6.6	8.1
G125.0	7.6	7.8	8.9	8.8	7.4	7.3	10.4	6.3	7.0	8.2
G126.0	7.8	8.3	9.1	8.9	7.7	7.6	10.7	6.5	7.3	8.7
G127.0	8.2	8.5	9.3	9.3	8.1	8.0	10.6	6.8	7.5	8.8
G128.0	8.6	8.6	9.7	9.6	8.3	8.1	10.9	7.2	7.9	9.1
G129.0	9.1	8.7	10.0	9.9	8.5	8.4	10.9	7.4	8.2	9.3
G130.0	9.5	9.3	10.4	10.3	8.8	8.8	10.9	7.7	8.6	9.8
G131.0	9.5	9.6	10.8	10.5	9.0	9.1	11.1	8.0	8.7	10.1
G132.0	9.8	10.1	11.1	10.8	9.4	9.2	11.1	8.1	9.1	10.4
G133.0	10.1	10.3	11.3	11.1	9.8	9.5	11.3	8.5	9.3	10.6
G134.0	10.4	10.6	11.6	11.4	10.2	9.7	11.6	8.7	9.7	10.8
G135.0	10.8	11.1	11.9	11.8	10.4	9.8	11.6	8.9	9.9	11.3
G136.0	11.2	11.4	12.4	12.1	10.7	10.1	11.8	9.3	10.2	11.5
G137.0	11.5	11.6	12.6	12.3	11.1	10.4	12.1	9.6	10.4	11.6
G138.0	11.8	11.9	12.8	12.6	11.3	10.5	12.1	10.0	10.7	11.9
G139.0	12.1	12.1	13.1	13.0	11.6	11.0	12.3	10.2	11.0	12.3
G140.0	12.3	12.3	13.4	13.3	12.0	11.4	12.4	10.5	11.3	12.5
G141.0	12.6	12.6	13.8	13.5	12.3	11.7	12.4	10.7	11.6	12.9
G142.0	12.8	12.9	14.0	13.7	12.6	11.8	12.7	11.0	12.0	13.1
G143.0	13.2	13.3	14.4	13.9	12.8	12.1	12.6	11.4	12.2	13.4
G144.0	13.4	13.5	14.6	14.2	13.2	12.2	12.9	11.7	12.5	13.8
G145.0	13.7	13.8	14.9	14.6	13.4	12.5	13.1	12.0	12.8	14.1
G146.0	14.1	14.0	15.0	14.9	13.9	12.9	13.1	12.4	13.1	14.3
G147.0	14.2	14.2	15.6	15.1	13.8	13.0	13.4	12.5	13.4	14.6

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 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	14.6	14.7	15.8	15.4	14.3	13.3	13.6	12.8	13.6	14.9
G149.0	14.6	14.9	16.0	15.8	14.6	13.6	13.7	13.1	13.9	15.2
G150.0	14.9	15.1	16.3	15.9	14.8	13.9	13.9	13.2	14.1	15.4
G151.0	15.2	15.4	16.7	16.1	15.2	14.2	14.3	13.6	14.6	15.7
G152.0	15.6	15.7	16.8	16.4	15.4	14.5	14.6	13.9	14.8	15.8
G153.0	15.9	16.1	17.2	16.6	15.6	14.7	14.9	14.3	15.2	16.1
G154.0	16.1	16.4	17.3	16.9	16.0	15.3	15.2	14.5	15.5	16.3
G155.0	16.3	16.5	17.7	17.1	16.1	15.5	15.4	14.7	15.7	16.7
G156.0	16.7	17.0	17.9	17.5	16.4	15.7	15.6	14.9	16.0	16.9
G157.0	17.0	17.1	18.0	17.8	16.7	16.1	16.0	15.3	16.3	17.3
G158.0	17.1	17.4	18.4	17.8	16.9	16.3	16.3	15.7	16.4	17.3
G159.0	17.3	17.6	18.5	18.0	17.1	16.5	16.6	16.1	16.6	17.6
G160.0	17.5	17.8	18.7	18.2	17.3	17.0	17.0	16.3	17.1	17.8
G161.0	17.8	18.1	18.9	18.3	17.5	17.2	17.3	16.6	17.4	17.9
G162.0	18.0	18.3	19.0	18.5	17.6	17.5	17.6	16.7	17.5	18.0
G163.0	18.2	18.4	19.2	18.8	18.0	17.8	17.7	17.1	17.6	18.2
G164.0	18.5	18.8	19.3	18.8	18.2	17.9	17.9	17.3	17.8	18.5
G165.0	18.8	18.9	19.3	19.1	18.5	18.2	18.0	17.6	17.9	18.8
G166.0	18.9	19.0	19.6	19.2	18.6	18.4	18.2	17.8	18.3	18.9
G167.0	19.1	19.4	19.7	19.5	19.0	18.6	18.4	18.1	18.4	19.0
G168.0	19.2	19.5	19.8	19.4	19.0	18.7	18.9	18.3	18.8	19.1
G169.0	19.4	19.6	20.0	19.7	19.3	19.1	19.1	18.8	19.0	19.4
G170.0	19.7	19.8	20.0	19.7	19.5	19.3	19.3	19.0	19.0	19.6
G171.0	19.9	20.0	20.1	19.6	19.6	19.5	19.6	19.3	19.3	19.8
G172.0	20.0	20.1	20.1	20.1	19.7	19.5	20.0	19.4	19.5	20.0
G173.0	20.3	20.1	20.4	20.2	19.8	19.9	20.3	19.5	19.8	20.1
G174.0	20.5	20.2	20.6	20.3	20.0	19.9	20.3	19.7	20.0	20.2
G175.0	20.7	20.4	20.5	20.3	20.1	19.9	20.5	19.9	20.0	20.2
G176.0	20.5	20.4	20.5	20.5	20.2	20.2	20.8	19.9	20.2	20.5
G177.0	20.5	20.3	20.5	20.5	20.0	20.1	20.9	20.0	20.2	20.6
G178.0	20.8	20.4	20.8	20.3	20.0	20.2	20.8	20.0	20.2	20.7
G179.0	20.5	20.3	20.6	20.6	20.2	20.2	21.1	20.2	20.3	20.5
G180.0	20.6	20.2	20.6	20.5	20.3	20.0	20.9	20.5	20.4	20.7

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

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

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	1932.7	1936.7	1931.0						
G1.0	1933.1	1936.4	1929.5						
G2.0	1932.0	1935.7	1927.6						
G3.0	1931.3	1936.4	1924.4						
G4.0	1939.4	1933.3	1920.8						
G5.0	1937.1	1930.0	1916.2						
G6.0	1933.9	1925.4	1917.1						
G7.0	1929.9	1918.9	1912.2						
G8.0	1925.0	1913.0	1906.6						
G9.0	1919.6	1907.4	1899.8						
G10.0	1905.5	1900.1	1899.3						
G11.0	1898.7	1882.7	1890.4						
G12.0	1891.0	1874.1	1879.4						
G13.0	1882.9	1864.2	1868.6						
G14.0	1869.1	1853.6	1857.0						
G15.0	1860.5	1842.1	1830.4						
G16.0	1849.9	1829.7	1814.6						
G17.0	1838.8	1816.5	1796.6						
G18.0	1827.6	1801.4	1777.0						
G19.0	1815.8	1785.8	1755.5						
G20.0	1802.9	1766.2	1727.4						
G21.0	1789.2	1754.8	1702.6						
G22.0	1774.4	1733.9	1676.0						
G23.0	1764.3	1710.0	1647.0						
G24.0	1747.1	1684.3	1617.2						
G25.0	1729.6	1656.8	1583.8						
G26.0	1710.9	1618.7	1548.4						
G27.0	1689.4	1587.2	1511.0						
G28.0	1667.8	1553.2	1472.6						
G29.0	1645.2	1518.8	1430.1						
G30.0	1620.9	1474.7	1387.3						
G31.0	1583.9	1436.0	1343.5						
G32.0	1557.1	1395.6	1298.6						
G33.0	1528.8	1354.2	1245.9						
G34.0	1499.6	1311.2	1198.7						
G35.0	1468.6	1261.7	1150.5						
G36.0	1433.1	1217.0	1091.6						

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	1398.3	1170.7	1043.3						
G38.0	1361.4	1123.9	995.7						
G39.0	1322.9	1076.7	948.1						
G40.0	1287.1	1028.7	900.9						
G41.0	1246.6	980.7	854.3						
G42.0	1204.8	932.7	810.0						
G43.0	1162.5	881.3	767.4						
G44.0	1119.5	833.7	728.5						
G45.0	1069.8	787.4	690.3						
G46.0	1025.8	742.9	656.5						
G47.0	981.0	692.0	626.2						
G48.0	936.3	652.2	599.2						
G49.0	885.0	615.3	571.8						
G50.0	840.2	581.2	551.6						
G51.0	795.0	550.4	534.1						
G52.0	750.4	520.5	518.8						
G53.0	699.2	496.4	505.8						
G54.0	655.3	475.1	491.5						
G55.0	612.7	456.3	481.0						
G56.0	570.3	438.9	470.7						
G57.0	528.6	423.0	459.8						
G58.0	490.5	408.3	447.4						
G59.0	454.3	392.8	434.4						
G60.0	420.5	378.9	419.6						
G61.0	386.7	364.8	402.2						
G62.0	357.8	350.2	381.2						
G63.0	331.1	332.5	357.9						
G64.0	306.7	315.5	335.2						
G65.0	279.8	298.1	312.8						
G66.0	258.5	278.7	292.0						
G67.0	238.7	255.9	269.2						
G68.0	218.1	237.1	248.1						
G69.0	200.6	219.4	227.5						
G70.0	184.6	202.6	203.7						
G71.0	169.2	184.9	183.9						
G72.0	153.4	168.3	164.6						
G73.0	138.7	152.0	146.3						

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	124.3	136.2	127.2							
G75.0	110.0	119.4	110.3							
G76.0	95.9	104.8	94.1							
G77.0	81.8	90.8	78.6							
G78.0	70.1	77.2	63.5							
G79.0	58.8	62.8	48.5							
G80.0	48.4	50.2	34.1							
G81.0	38.2	38.2	20.4							
G82.0	30.2	25.0	9.9							
G83.0	23.4	13.4	3.8							
G84.0	16.8	5.9	2.1							
G85.0	10.8	3.5	1.5							
G86.0	4.5	2.2	1.2							
G87.0	1.7	1.4	1.2							
G88.0	1.1	1.0	1.2							
G89.0	0.0	1.1	1.2							
G90.0	0.0	1.3	1.4							
G91.0	1.0	1.3	1.3							
G92.0	1.0	1.5	1.7							
G93.0	1.1	1.4	1.7							
G94.0	1.2	1.7	1.9							
G95.0	1.2	1.7	1.9							
G96.0	1.5	1.7	2.0							
G97.0	1.6	1.7	2.2							
G98.0	1.6	1.8	2.3							
G99.0	1.8	2.0	2.3							
G100.0	2.0	2.0	2.4							
G101.0	2.1	2.1	2.5							
G102.0	2.2	2.4	2.7							
G103.0	2.4	2.4	2.8							
G104.0	2.5	2.5	3.0							
G105.0	2.6	2.7	3.1							
G106.0	2.7	2.7	3.2							
G107.0	3.1	2.8	3.4							
G108.0	3.4	3.0	3.4							
G109.0	3.4	3.3	3.7							
G110.0	3.6	3.4	3.9							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	3.8	3.6	4.0							
G112.0	4.0	3.7	4.3							
G113.0	4.4	4.0	4.5							
G114.0	4.5	4.2	4.7							
G115.0	4.9	4.5	4.9							
G116.0	5.1	4.8	5.1							
G117.0	5.3	4.9	5.3							
G118.0	5.5	5.3	5.7							
G119.0	5.8	5.6	5.9							
G120.0	6.0	5.8	6.2							
G121.0	6.3	6.1	6.5							
G122.0	6.7	6.4	6.7							
G123.0	7.2	6.6	7.1							
G124.0	7.3	6.8	7.2							
G125.0	7.6	7.1	7.6							
G126.0	7.9	7.4	7.8							
G127.0	8.3	7.8	8.2							
G128.0	8.6	8.1	8.6							
G129.0	8.9	8.4	9.1							
G130.0	9.1	8.8	9.5							
G131.0	9.5	8.9	9.5							
G132.0	9.8	9.3	9.8							
G133.0	10.0	9.7	10.1							
G134.0	10.5	9.8	10.4							
G135.0	10.6	10.3	10.8							
G136.0	11.1	10.7	11.2							
G137.0	11.3	10.9	11.5							
G138.0	11.6	11.3	11.8							
G139.0	11.9	11.6	12.1							
G140.0	12.2	11.9	12.3							
G141.0	12.6	12.3	12.6							
G142.0	12.8	12.5	12.8							
G143.0	13.1	12.8	13.2							
G144.0	13.4	13.0	13.4							
G145.0	13.6	13.4	13.7							
G146.0	13.8	13.5	14.1							
G147.0	14.2	13.9	14.2							

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

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

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	14.6	14.1	14.6							
G149.0	14.9	14.4	14.6							
G150.0	15.1	14.8	14.9							
G151.0	15.3	15.0	15.2							
G152.0	15.6	15.3	15.6							
G153.0	15.8	15.5	15.9							
G154.0	16.3	15.7	16.1							
G155.0	16.5	16.0	16.3							
G156.0	16.7	16.2	16.7							
G157.0	17.0	16.1	17.0							
G158.0	17.3	16.6	17.1							
G159.0	17.5	16.8	17.3							
G160.0	17.8	16.9	17.5							
G161.0	17.8	17.2	17.8							
G162.0	18.0	17.4	18.0							
G163.0	18.1	17.7	18.2							
G164.0	18.5	17.8	18.5							
G165.0	18.6	18.2	18.8							
G166.0	18.8	18.3	18.9							
G167.0	19.1	18.6	19.1							
G168.0	19.3	18.7	19.2							
G169.0	19.3	19.0	19.4							
G170.0	19.6	19.2	19.7							
G171.0	19.7	19.5	19.9							
G172.0	19.7	19.6	20.0							
G173.0	19.8	19.7	20.3							
G174.0	20.0	20.0	20.5							
G175.0	20.0	20.0	20.7							
G176.0	20.2	20.3	20.5							
G177.0	20.4	20.3	20.5							
G178.0	20.4	20.4	20.8							
G179.0	20.5	20.4	20.5							
G180.0	20.5	20.3	20.6							

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: