

Report No.:

Test Time: 2017-3-28 17:36

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: MLS0140W24V27KHDB77

Lamp Catalog: L130-2780-H档

Current: 1.834 A

Power Factor: 0.838

Voltage: 23.6 V

Power: 36.24 W Volt

Amps: 43.25 VA

Photometric Results

CIE Class: Direct

Measurement Flux: 4350.4 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%,75%,100%): H152.3,H111.3,H75.1,H2

Vertical Diffuse Angle(10%,50%,75%,100%): V146.5,V82.1,V63.4,V1

Luminaire Efficacy Rating (LER): 120.09

Max. Intensity: 1925.98 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 4350.4 lm

Efficiency: 100%

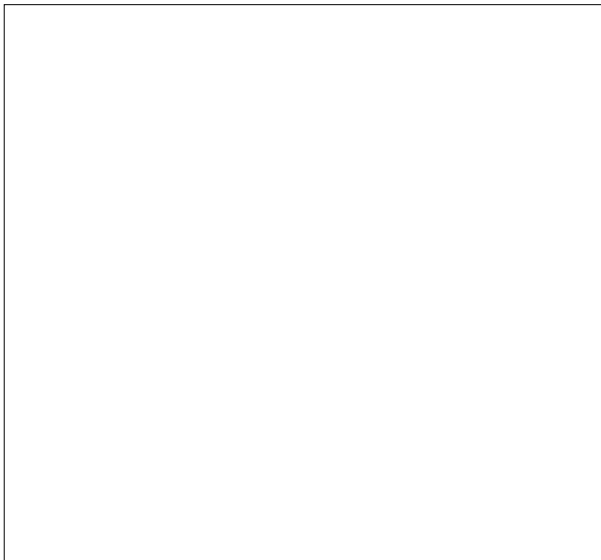
Upward Ratio: 1%

Central Intensity: 1921.37 cd

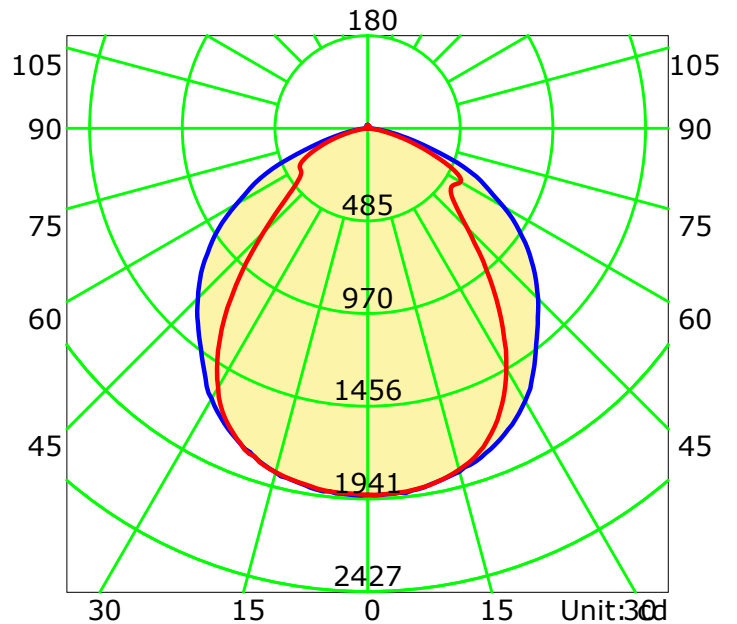
Pos of Max. Intensity: H210 V2

S/MH(C90/C270): 1.17

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 96.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

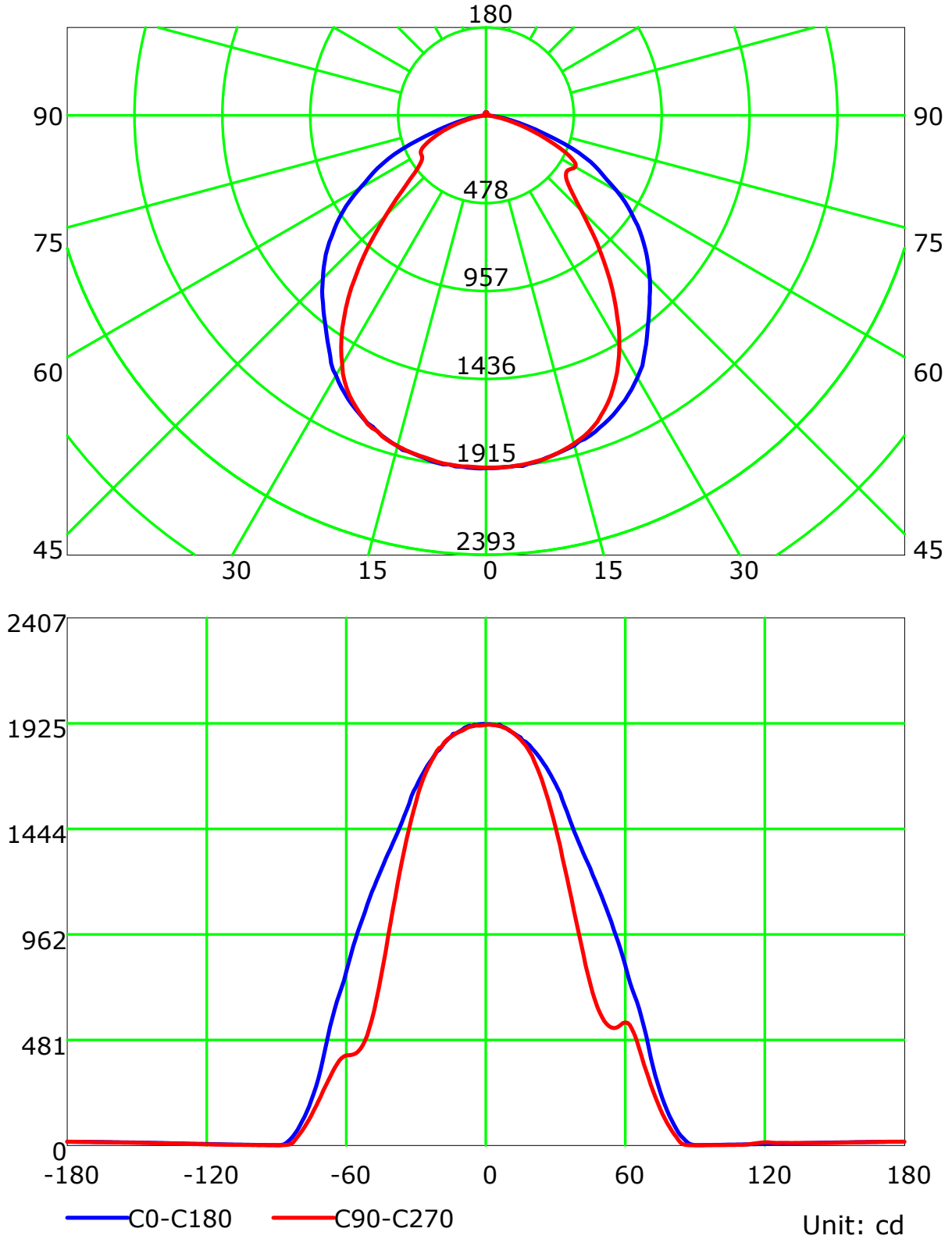
Test Device: GPM-1800B

Distance: 11.672 m

Humidity:

Inspector:

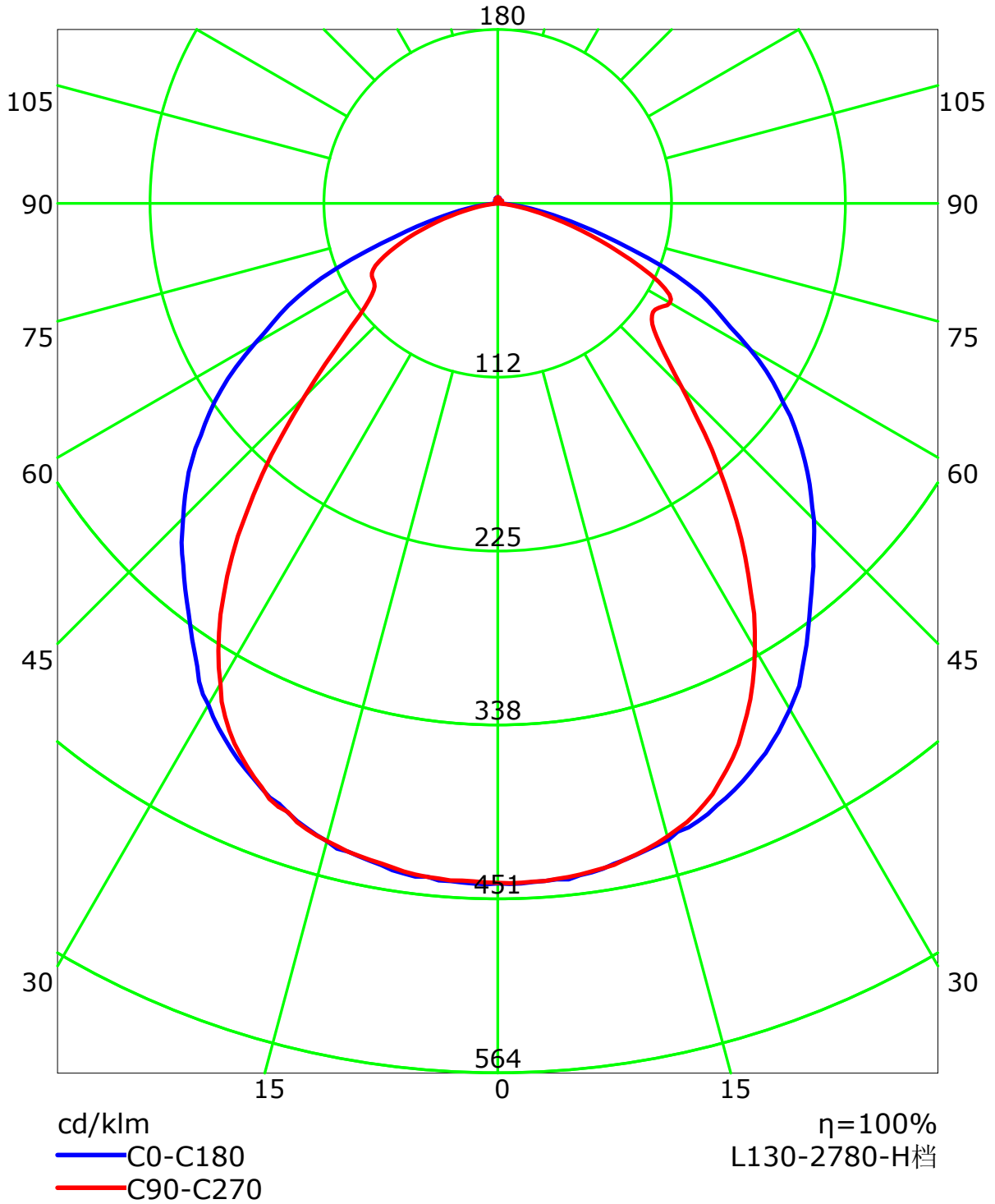
Luminous Intensity Distribution Curve



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: 11.672 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



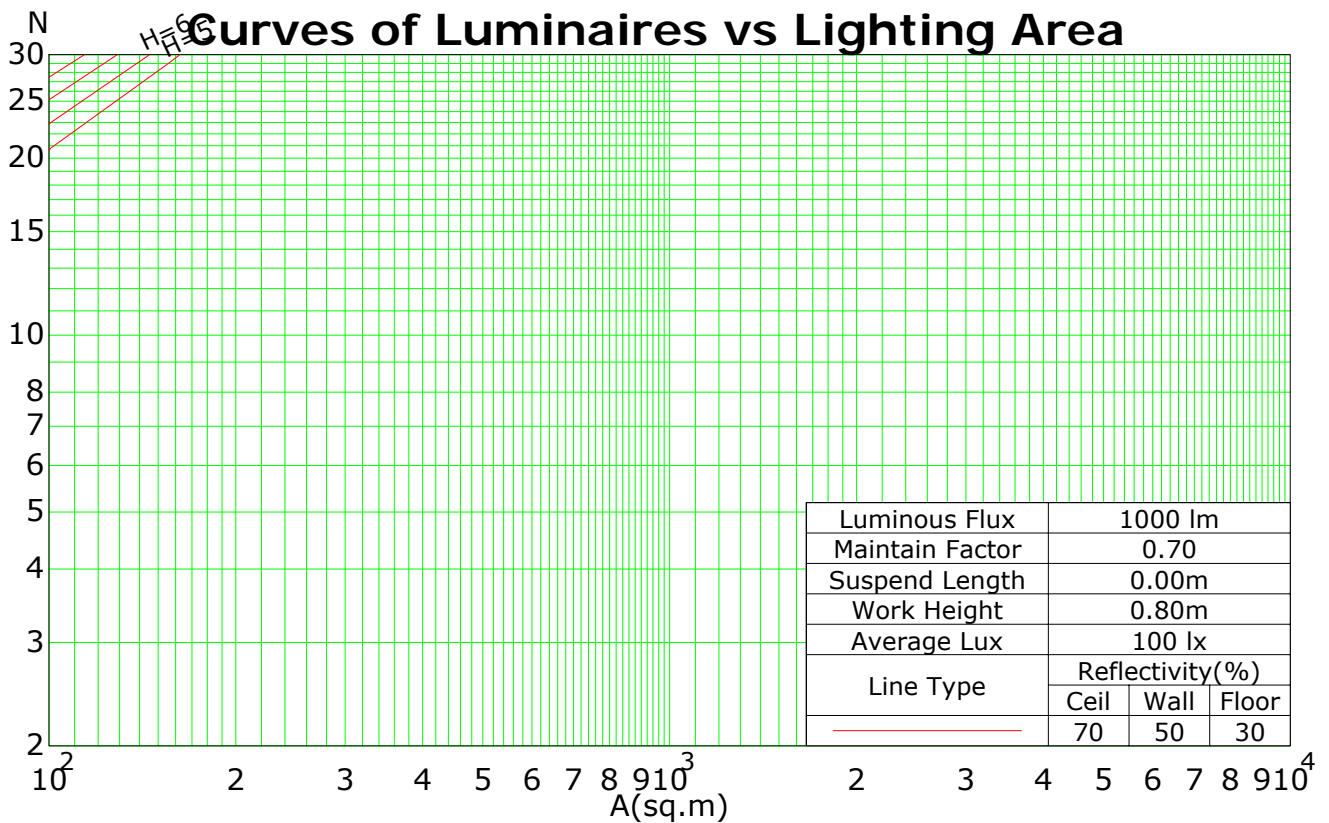
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 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	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	89	84	80	85	81	78	82	79	76	74
3	93	84	77	71	91	82	75	70	79	73	69	76	72	67	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	63	59	67	62	58	56
5	80	68	60	53	78	67	59	53	64	58	52	62	57	52	61	55	51	49
6	74	62	53	47	72	61	53	47	59	52	47	57	51	46	55	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	43	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

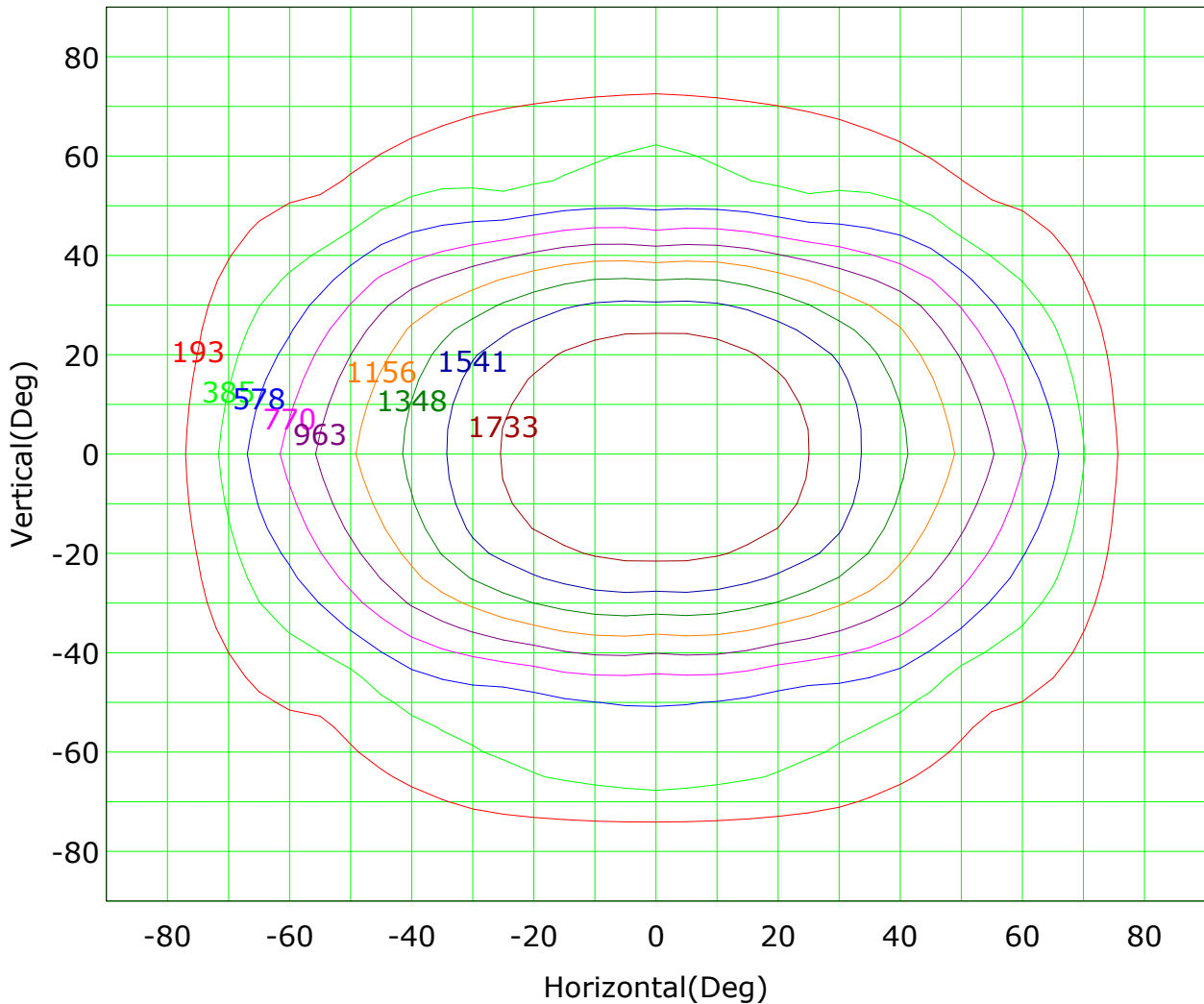
Spacing Criteria (0-180): 1.26
 Spacing Criteria (90-270): 1.17
 Spacing Criteria (Diagonal): 1.27



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: 11.672 m
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 1926 cd

— (10%): 193 cd	— (20%): 385 cd
— (30%): 578 cd	— (40%): 770 cd
— (50%): 963 cd	— (60%): 1156 cd
— (70%): 1348 cd	— (80%): 1541 cd
— (90%): 1733 cd	— (100%): 1926 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

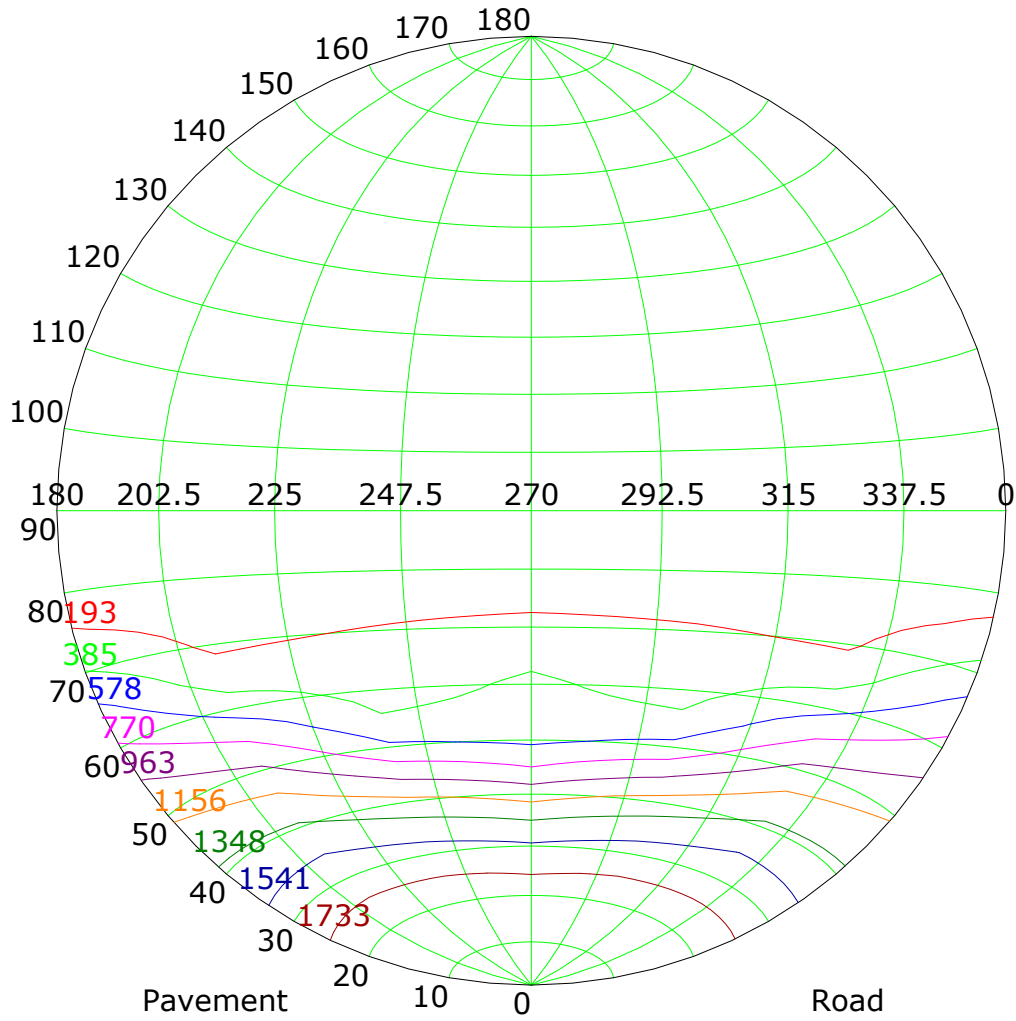
Test Device: GPM-1800B

Distance: 11.672 m

Humidity:

Inspector:

Isocandela (sphere)



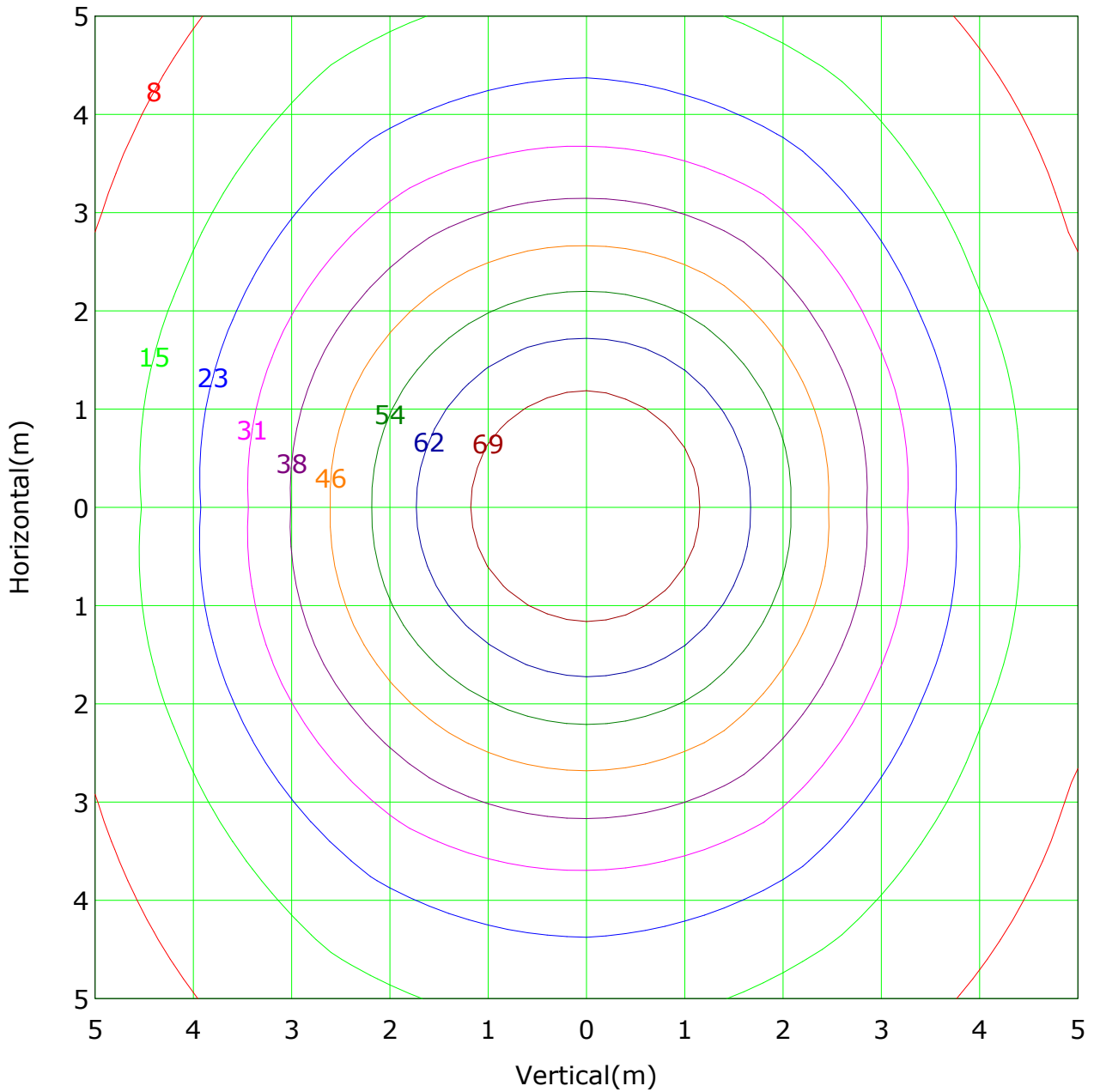
Imax (100%): 1926 cd

— (10%): 193 cd	— (20%): 385 cd
— (30%): 578 cd	— (40%): 770 cd
— (50%): 963 cd	— (60%): 1156 cd
— (70%): 1348 cd	— (80%): 1541 cd
— (90%): 1733 cd	— (100%): 1926 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: 11.672 m
 Humidity:
 Inspector:

IsoLux Plot



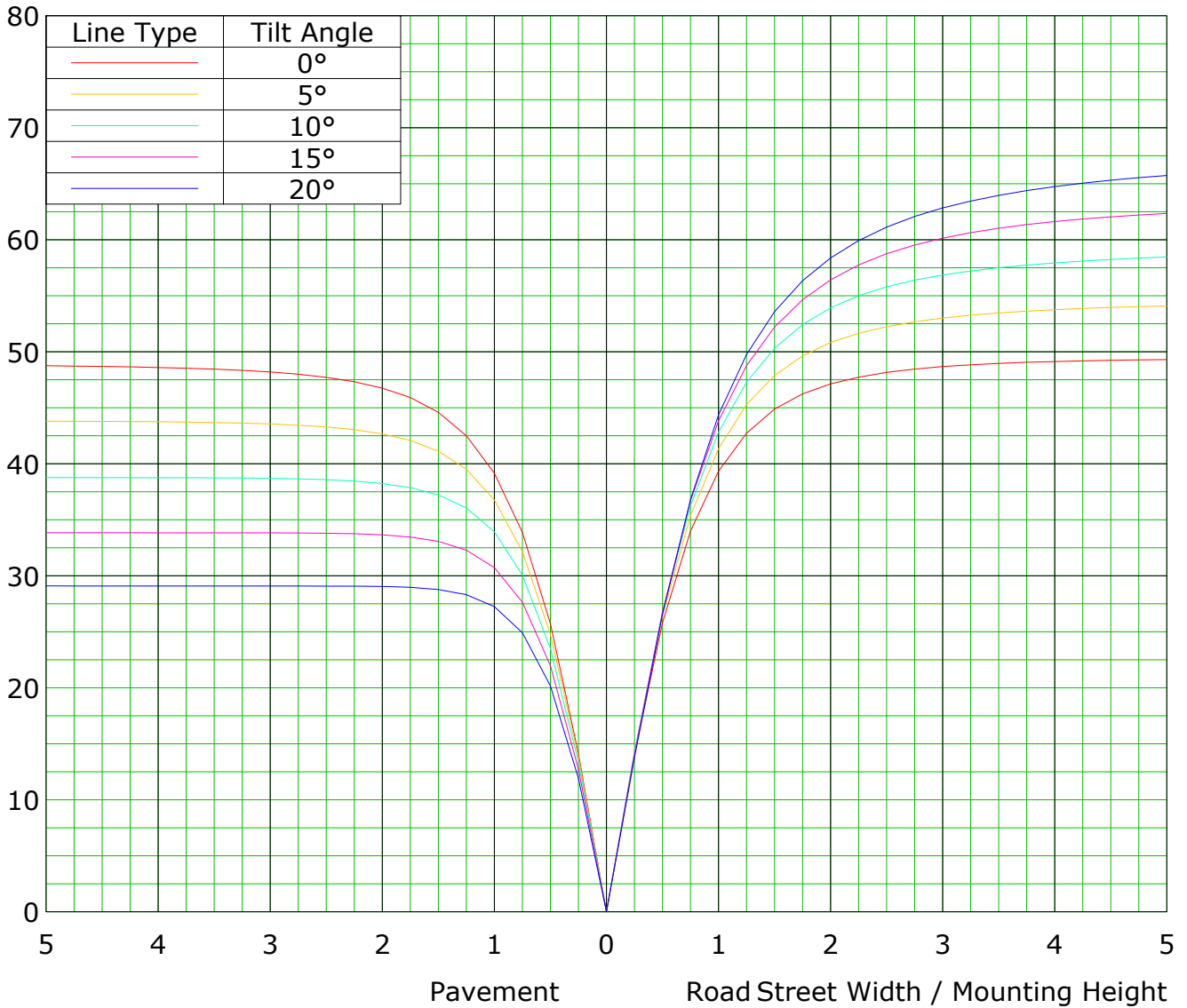
Mounting Height: 5.0m		Max Lux(100%): 76.9 lx
<ul style="list-style-type: none"> — (10%): 7.7 lx — (30%): 23.1 lx — (50%): 38.5 lx — (70%): 53.9 lx — (90%): 69.2 lx 	<ul style="list-style-type: none"> — (20%): 15.4 lx — (40%): 30.8 lx — (60%): 46.2 lx — (80%): 61.6 lx — (100%): 76.9 lx 	

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: 11.672 m
 Humidity:
 Inspector:

Roadway CU Curve

Efficiency(%)



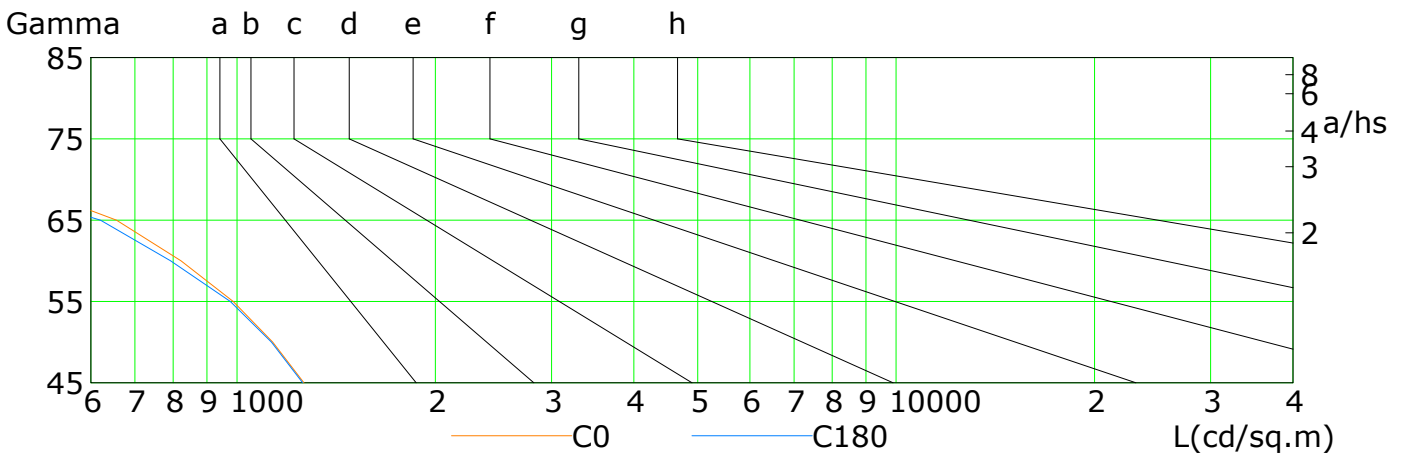
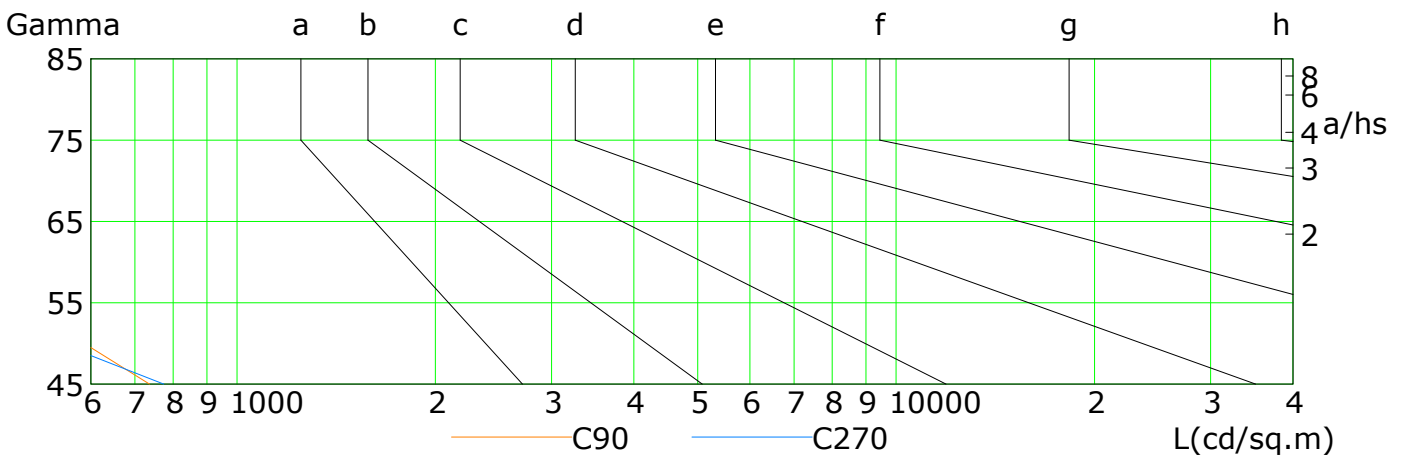
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 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	1264	1133	987	822	656	452	246	114	33
C90	736	586	536	562	477	310	167	67	6
C180	1258	1128	977	793	621	395	208	90	19
C270	774	538	428	411	354	249	138	53	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

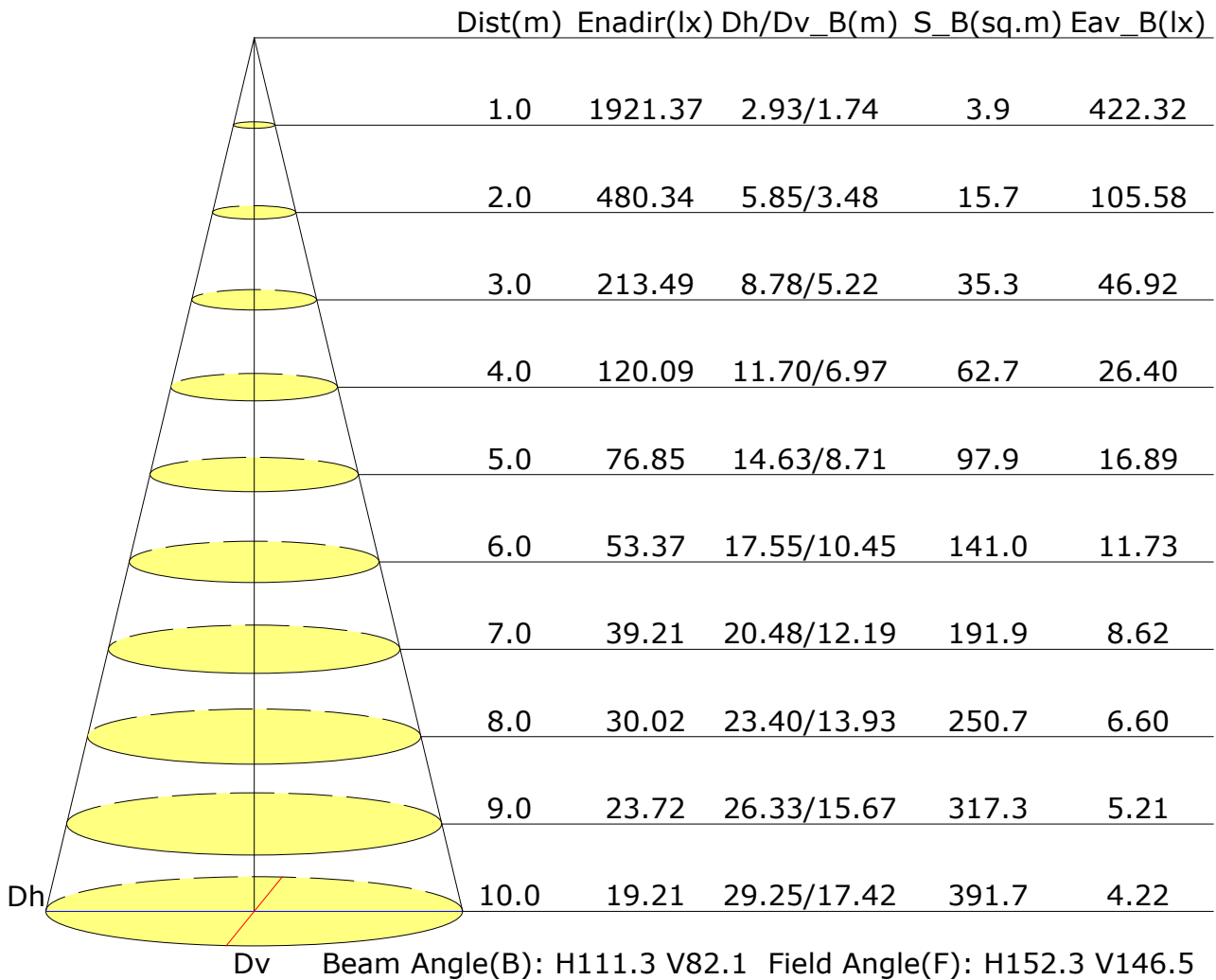
Test Device: GPM-1800B

Distance: 11.672 m

Humidity:

Inspector:

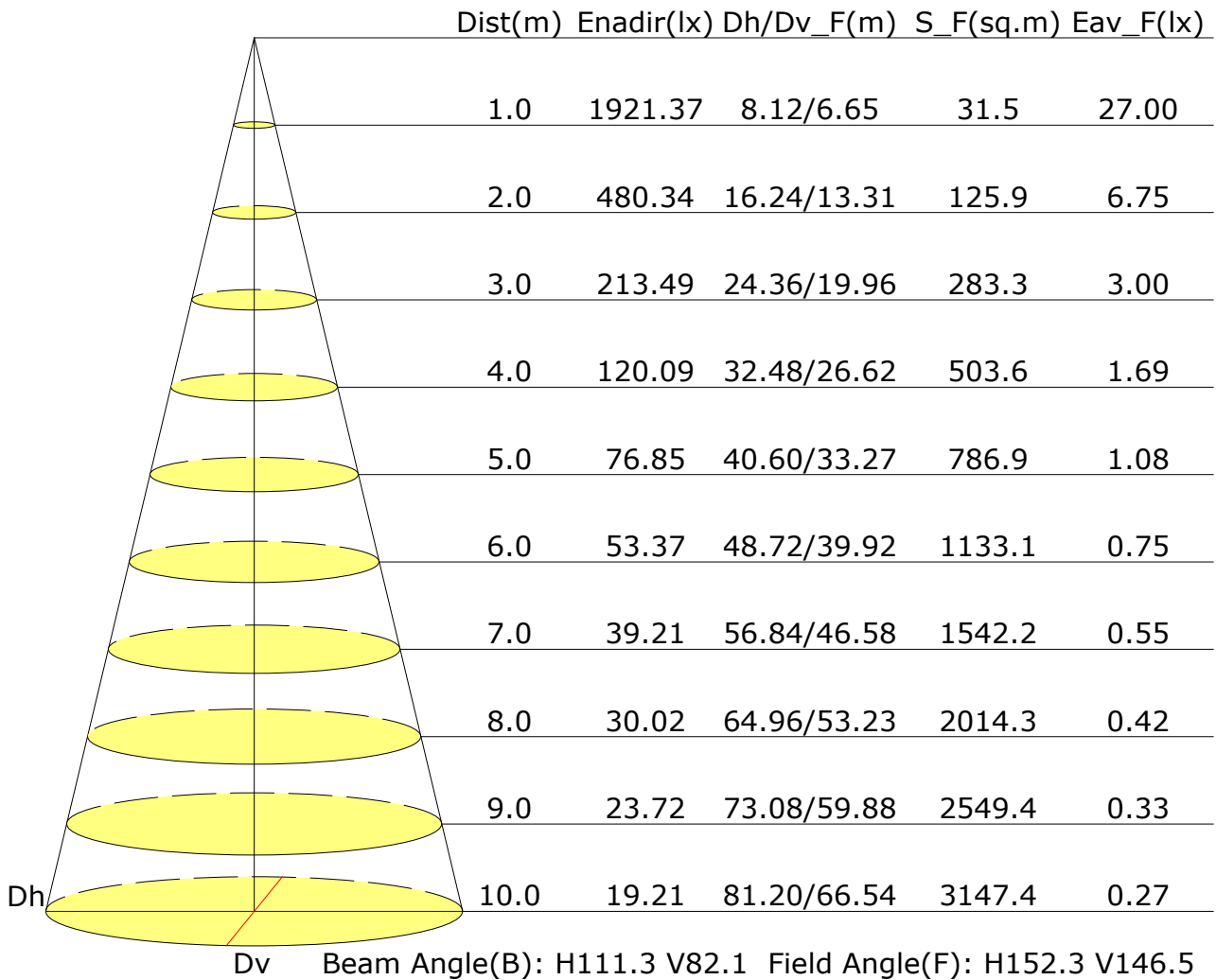
Illuminance at a Distance(Beam Angle)



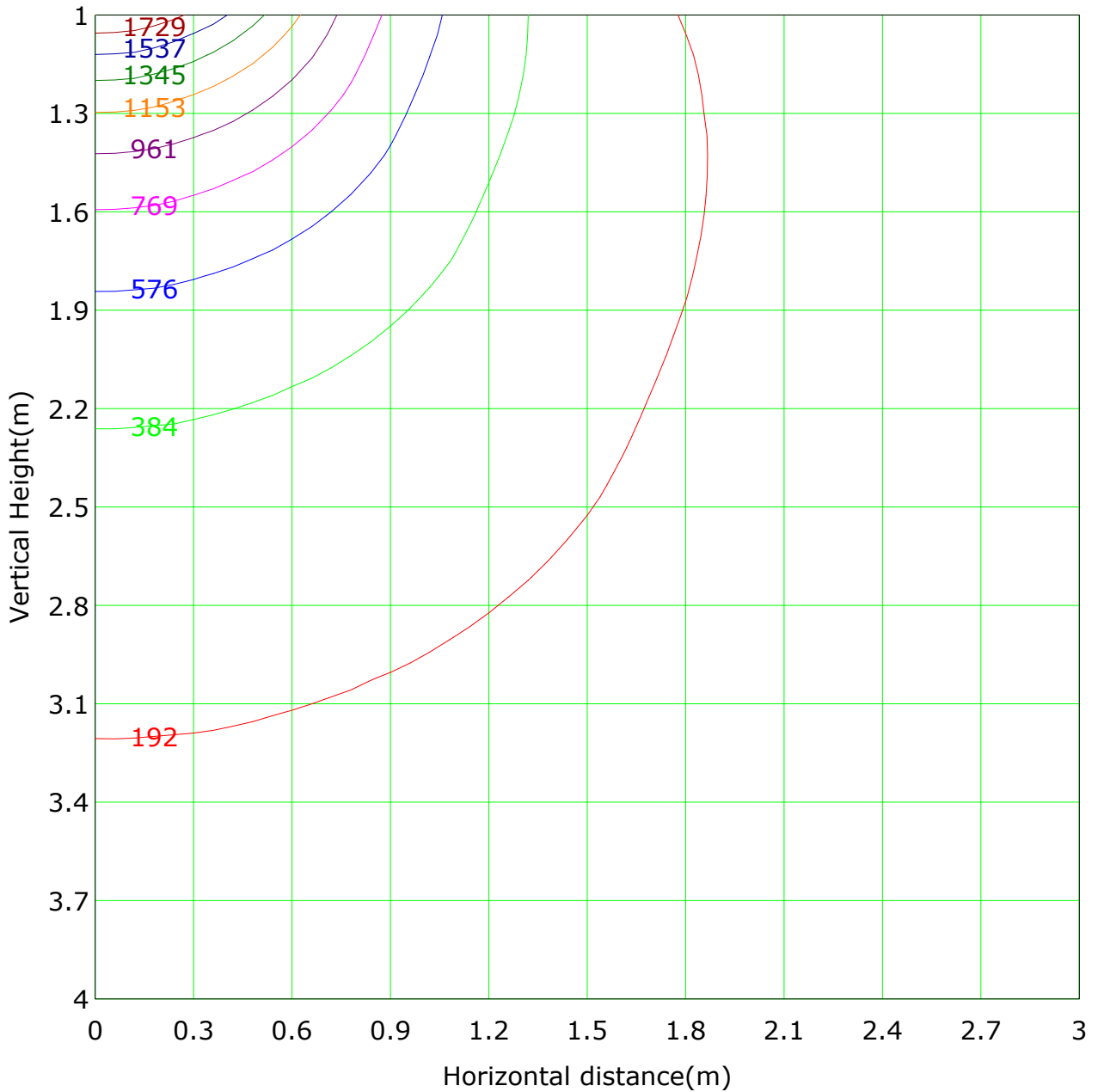
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 m
 Humidity:
 Inspector:

Illuminance at a Distance(Field Angle)



Vertical IsoLux Plot



Lowest(m): 1.0m		Highest(m): 4.0m		Max Lux: 1921.4 lx	
— (10%): 192.1 lx	— (20%): 384.3 lx	— (30%): 576.4 lx	— (40%): 768.5 lx	— (50%): 960.7 lx	— (60%): 1152.8 lx
— (70%): 1345.0 lx	— (80%): 1537.1 lx	— (90%): 1729.2 lx	— (100%): 1921.4 lx		

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 m
 Humidity:
 Inspector:

Area Flux Table

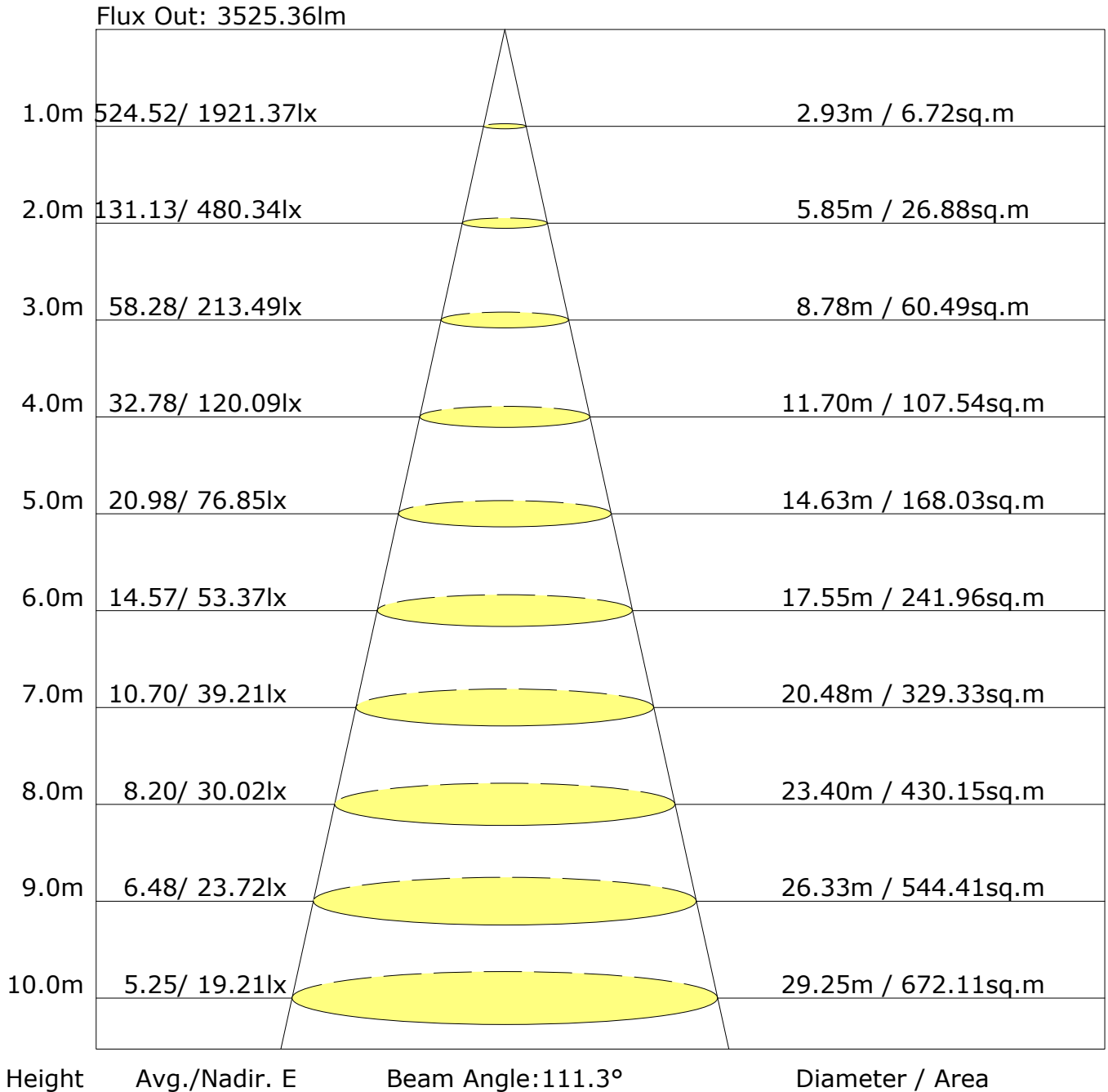
Unit: lm

		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	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.4	0.0	1.0	14.4
	80	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	4.9	0.0	0.0	0.0
	70	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	39.8	13.7	0.0	0.1
	60	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	95.0	83.3	0.0	0.3
	50	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	127.0	118.6	0.1	0.6
	40	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	190.1	186.7	0.1	0.9
	30	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	305.5	303.5	0.1	1.2
	20	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	410.5	409.1	0.1	1.5
	10	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	473.1	472.0	0.1	1.9
	0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	500.0	499.0	0.2	2.1
	-10	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	501.3	500.2	0.2	2.1
	-20	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	479.7	478.6	0.1	1.8
	-30	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	430.2	428.8	0.1	1.5
	-40	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	332.6	330.6	0.1	1.2
	-50	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	199.2	195.5	0.1	0.8
	-60	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	108.5	99.5	0.1	0.6
	-70	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	72.6	57.1	0.0	0.3
	-80	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	31.4	4.0	0.0	0.1
-90	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.4	0.0	0.0	0.0	

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 m
 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: 11.672 m
 Humidity:
 Inspector:

UGR Table

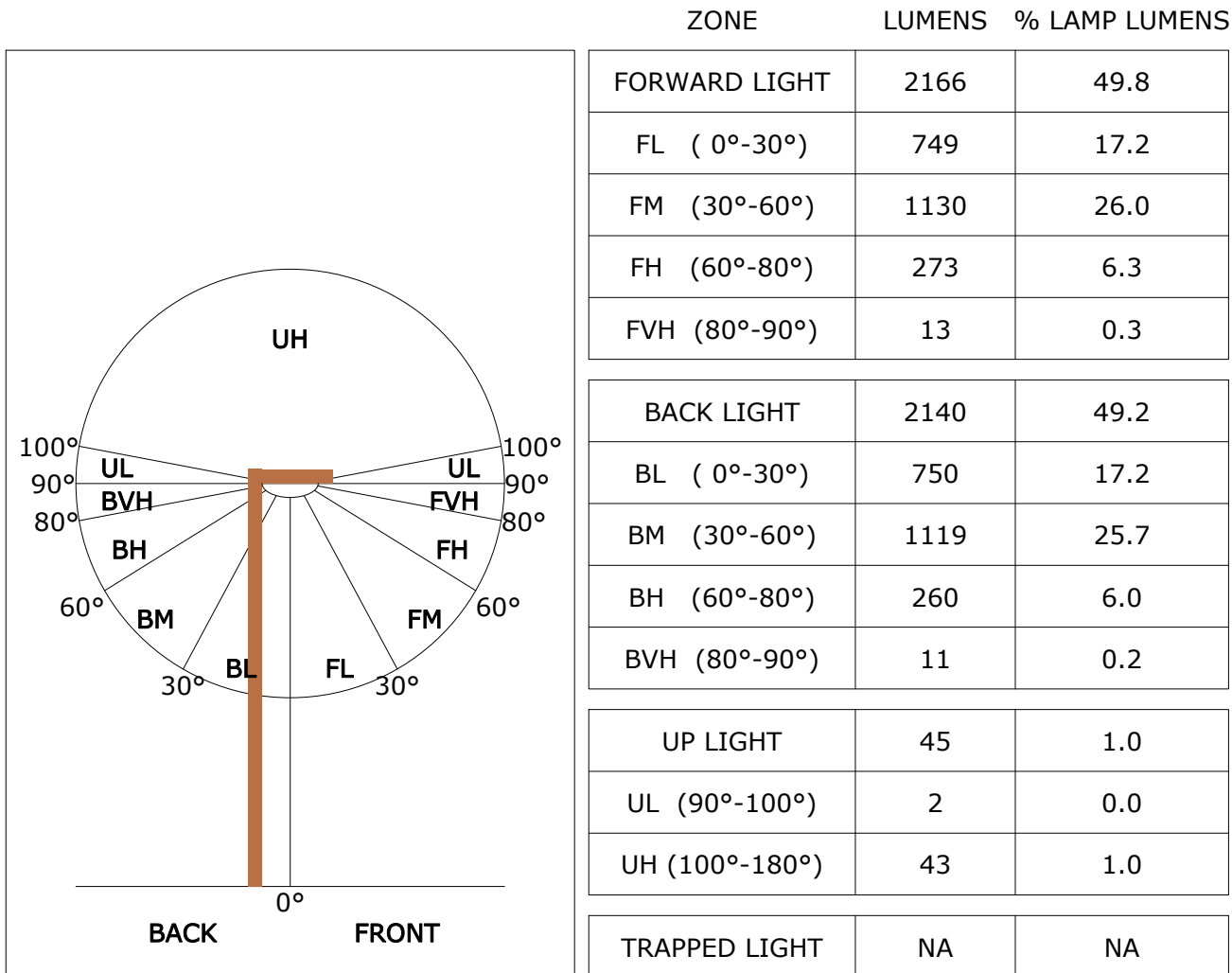
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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	-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 4350lm ($8\log(F/F_0) = 5.1$).

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: 11.672 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

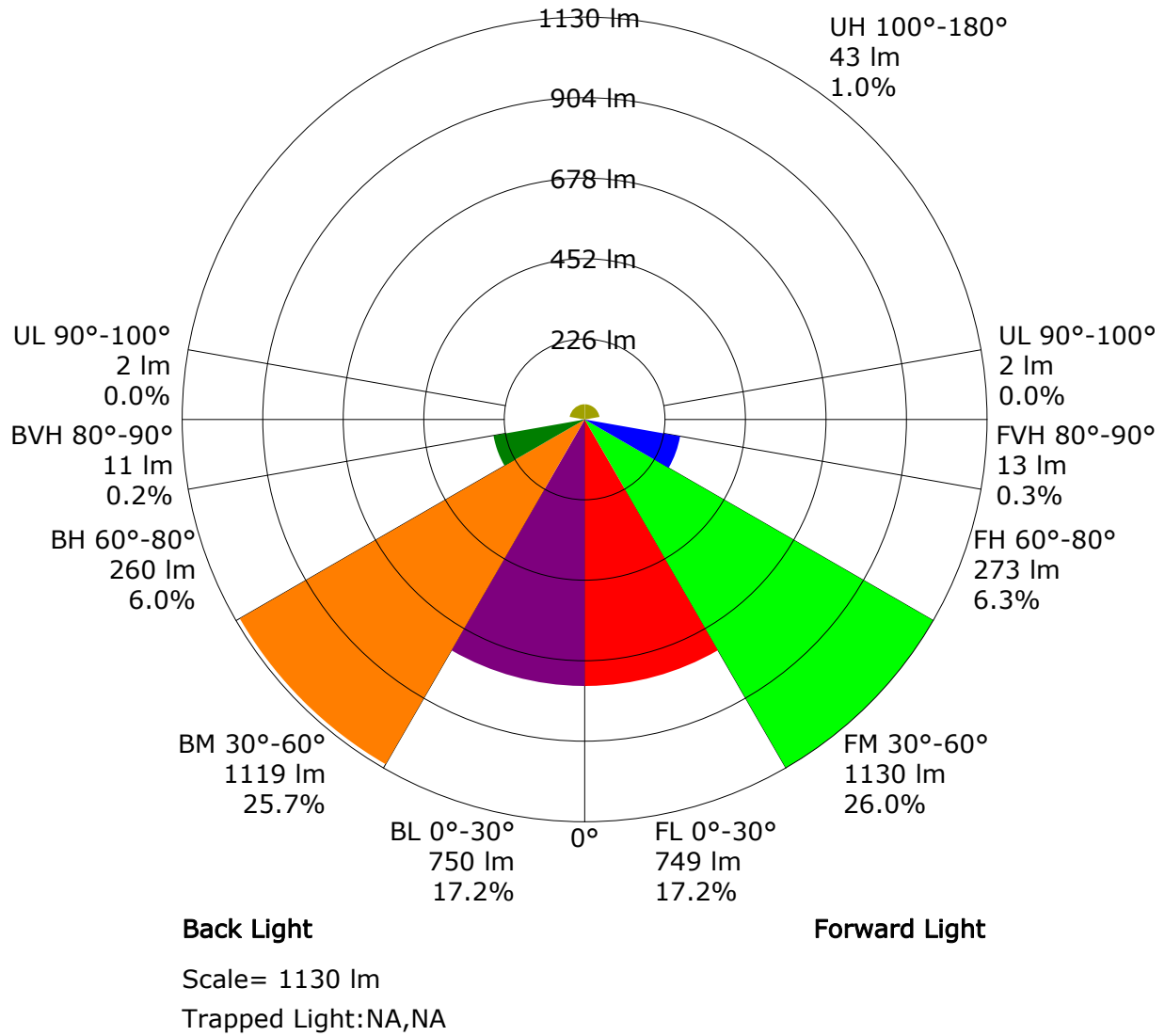


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

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: 11.672 m
 Humidity:
 Inspector:

LCS Graph



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: 11.672 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	0.64	0.74	0.81	0.85	0.92	0.96	0.99	1.03	1.06	
	0.30		0.57	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03	
	0.20		0.52	0.62	0.69	0.75	0.82	0.88	0.91	0.97	1.00	
0.50	0.50	0.20	0.62	0.72	0.78	0.83	0.89	0.93	0.95	0.99	1.01	
	0.30		0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99	
	0.20		0.51	0.61	0.68	0.73	0.81	0.86	0.89	0.94	0.97	
0.30	0.50	0.20	0.61	0.70	0.76	0.80	0.86	0.89	0.92	0.95	0.97	
	0.30		0.55	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95	
	0.20		0.51	0.61	0.67	0.72	0.79	0.83	0.87	0.91	0.94	
0.00	0.00	0.00	0.49	0.58	0.65	0.69	0.75	0.80	0.83	0.86	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: 11.672 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	0.88	0.72	0.60	0.52	0.41	0.34	0.29	0.22	0.18	
	0.30		0.74	0.61	0.53	0.46	0.37	0.31	0.27	0.21	0.17	
	0.20		0.63	0.53	0.47	0.41	0.34	0.29	0.25	0.20	0.16	
0.50	0.50	0.20	0.85	0.68	0.57	0.49	0.39	0.35	0.27	0.21	0.17	
	0.30		0.72	0.59	0.51	0.44	0.36	0.29	0.25	0.20	0.16	
	0.20		0.62	0.52	0.45	0.40	0.33	0.27	0.24	0.19	0.15	
0.30	0.50	0.20	0.82	0.65	0.55	0.47	0.37	0.30	0.26	0.19	0.16	
	0.30		0.70	0.58	0.49	0.43	0.34	0.28	0.24	0.19	0.15	
	0.20		0.61	0.51	0.44	0.39	0.32	0.26	0.23	0.18	0.15	
0.00	0.00	0.00	0.50	0.41	0.34	0.30	0.24	0.19	0.16	0.13	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: 11.672 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	0.11	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.18	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	0.20
	0.20		0.06	0.08	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	0.20
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.08	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: 11.672 m
 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	1921.5	1.8	1.8	0.04	0.04
1.0-2.0	1921.1	5.5	7.4	0.13	0.17
2.0-3.0	1919.7	9.2	16.5	0.21	0.38
3.0-4.0	1918.0	12.8	29.4	0.30	0.68
4.0-5.0	1916.1	16.5	45.9	0.38	1.05
5.0-6.0	1913.9	20.1	66.0	0.46	1.52
6.0-7.0	1910.9	23.7	89.7	0.55	2.06
7.0-8.0	1907.3	27.3	117.0	0.63	2.69
8.0-9.0	1903.6	30.9	147.9	0.71	3.40
9.0-10.0	1898.6	34.4	182.2	0.79	4.19
10.0-11.0	1892.7	37.8	220.0	0.87	5.06
11.0-12.0	1887.0	41.3	261.3	0.95	6.01
12.0-13.0	1880.8	44.6	305.9	1.03	7.03
13.0-14.0	1873.7	48.0	353.9	1.10	8.14
14.0-15.0	1865.8	51.2	405.1	1.18	9.31
15.0-16.0	1857.0	54.4	459.6	1.25	10.56
16.0-17.0	1847.0	57.5	517.1	1.32	11.89
17.0-18.0	1836.1	60.5	577.6	1.39	13.28
18.0-19.0	1824.6	63.5	641.1	1.46	14.74
19.0-20.0	1811.9	66.3	707.4	1.52	16.26
20.0-21.0	1798.3	69.1	776.5	1.59	17.85
21.0-22.0	1784.2	71.7	848.2	1.65	19.50
22.0-23.0	1768.7	74.2	922.4	1.71	21.20
23.0-24.0	1751.3	76.6	999.0	1.76	22.96
24.0-25.0	1732.8	78.8	1077.8	1.81	24.77
25.0-26.0	1712.7	80.9	1158.7	1.86	26.63
26.0-27.0	1690.6	82.7	1241.4	1.90	28.53
27.0-28.0	1667.4	84.4	1325.8	1.94	30.48
28.0-29.0	1642.6	85.9	1411.8	1.98	32.45
29.0-30.0	1615.5	87.2	1499.0	2.01	34.46
30.0-31.0	1587.5	88.4	1587.4	2.03	36.49
31.0-32.0	1558.3	89.3	1676.6	2.05	38.54
32.0-33.0	1526.3	89.9	1766.6	2.07	40.61
33.0-34.0	1492.2	90.3	1856.9	2.08	42.68
34.0-35.0	1456.4	90.5	1947.4	2.08	44.76
35.0-36.0	1419.6	90.4	2037.8	2.08	46.84

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.672 m

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	1381.4	90.1	2127.9	2.07	48.91
37.0-38.0	1341.0	89.5	2217.4	2.06	50.97
38.0-39.0	1299.0	88.7	2306.1	2.04	53.01
39.0-40.0	1256.7	87.7	2393.7	2.01	55.02
40.0-41.0	1214.8	86.5	2480.2	1.99	57.01
41.0-42.0	1171.7	85.1	2565.4	1.96	58.97
42.0-43.0	1127.7	83.5	2648.9	1.92	60.89
43.0-44.0	1083.6	81.8	2730.7	1.88	62.77
44.0-45.0	1040.1	79.9	2810.7	1.84	64.61
45.0-46.0	996.3	77.9	2888.6	1.79	66.40
46.0-47.0	952.7	75.8	2964.4	1.74	68.14
47.0-48.0	910.1	73.6	3037.9	1.69	69.83
48.0-49.0	868.4	71.3	3109.3	1.64	71.47
49.0-50.0	827.5	69.0	3178.3	1.59	73.06
50.0-51.0	787.4	66.6	3244.9	1.53	74.59
51.0-52.0	749.1	64.3	3309.2	1.48	76.07
52.0-53.0	712.9	62.0	3371.2	1.43	77.49
53.0-54.0	678.7	59.8	3431.0	1.38	78.87
54.0-55.0	646.1	57.7	3488.7	1.33	80.19
55.0-56.0	615.8	55.7	3544.4	1.28	81.47
56.0-57.0	587.7	53.7	3598.1	1.24	82.71
57.0-58.0	560.9	51.9	3650.0	1.19	83.90
58.0-59.0	535.5	50.1	3700.1	1.15	85.05
59.0-60.0	510.6	48.2	3748.3	1.11	86.16
60.0-61.0	486.0	46.4	3794.7	1.07	87.23
61.0-62.0	461.5	44.5	3839.2	1.02	88.25
62.0-63.0	437.2	42.5	3881.7	0.98	89.23
63.0-64.0	413.2	40.5	3922.2	0.93	90.16
64.0-65.0	389.2	38.5	3960.8	0.89	91.04
65.0-66.0	365.3	36.5	3997.2	0.84	91.88
66.0-67.0	341.4	34.3	4031.5	0.79	92.67
67.0-68.0	316.7	32.1	4063.6	0.74	93.41
68.0-69.0	292.0	29.8	4093.4	0.68	94.09
69.0-70.0	267.5	27.5	4120.9	0.63	94.72
70.0-71.0	243.0	25.1	4146.0	0.58	95.30
71.0-72.0	219.7	22.8	4168.9	0.53	95.83

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: 11.672 m
 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	198.1	20.7	4189.6	0.48	96.30
73.0-74.0	177.7	18.7	4208.3	0.43	96.73
74.0-75.0	157.9	16.7	4224.9	0.38	97.12
75.0-76.0	139.1	14.8	4239.7	0.34	97.46
76.0-77.0	121.6	13.0	4252.7	0.30	97.75
77.0-78.0	105.1	11.2	4263.9	0.26	98.01
78.0-79.0	89.7	9.6	4273.6	0.22	98.23
79.0-80.0	75.3	8.1	4281.7	0.19	98.42
80.0-81.0	61.9	6.7	4288.4	0.15	98.57
81.0-82.0	49.3	5.4	4293.7	0.12	98.70
82.0-83.0	37.5	4.1	4297.8	0.09	98.79
83.0-84.0	26.6	2.9	4300.7	0.07	98.86
84.0-85.0	17.5	1.9	4302.6	0.04	98.90
85.0-86.0	11.1	1.2	4303.8	0.03	98.93
86.0-87.0	6.5	0.7	4304.5	0.02	98.95
87.0-88.0	3.6	0.4	4304.9	0.01	98.95
88.0-89.0	2.1	0.2	4305.2	0.01	98.96
89.0-90.0	1.5	0.2	4305.3	0.00	98.96
90.0-91.0	1.4	0.2	4305.5	0.00	98.97
91.0-92.0	1.5	0.2	4305.7	0.00	98.97
92.0-93.0	1.6	0.2	4305.8	0.00	98.98
93.0-94.0	1.7	0.2	4306.0	0.00	98.98
94.0-95.0	1.8	0.2	4306.2	0.00	98.98
95.0-96.0	1.9	0.2	4306.4	0.00	98.99
96.0-97.0	2.0	0.2	4306.6	0.00	98.99
97.0-98.0	2.1	0.2	4306.8	0.01	99.00
98.0-99.0	2.2	0.2	4307.1	0.01	99.00
99.0-100.0	2.3	0.2	4307.3	0.01	99.01
100.0-101.0	2.4	0.3	4307.6	0.01	99.02
101.0-102.0	2.6	0.3	4307.9	0.01	99.02
102.0-103.0	2.7	0.3	4308.1	0.01	99.03
103.0-104.0	2.9	0.3	4308.5	0.01	99.04
104.0-105.0	3.0	0.3	4308.8	0.01	99.04
105.0-106.0	3.2	0.3	4309.1	0.01	99.05
106.0-107.0	3.3	0.4	4309.5	0.01	99.06
107.0-108.0	3.5	0.4	4309.8	0.01	99.07

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: 11.672 m
 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	3.7	0.4	4310.2	0.01	99.08
109.0-110.0	3.9	0.4	4310.6	0.01	99.09
110.0-111.0	4.1	0.4	4311.0	0.01	99.10
111.0-112.0	4.3	0.4	4311.5	0.01	99.11
112.0-113.0	4.6	0.5	4311.9	0.01	99.12
113.0-114.0	4.9	0.5	4312.4	0.01	99.13
114.0-115.0	5.2	0.5	4312.9	0.01	99.14
115.0-116.0	5.6	0.6	4313.5	0.01	99.15
116.0-117.0	5.9	0.6	4314.1	0.01	99.16
117.0-118.0	6.2	0.6	4314.7	0.01	99.18
118.0-119.0	6.5	0.6	4315.3	0.01	99.19
119.0-120.0	6.8	0.6	4316.0	0.01	99.21
120.0-121.0	7.0	0.7	4316.6	0.02	99.22
121.0-122.0	7.3	0.7	4317.3	0.02	99.24
122.0-123.0	7.4	0.7	4318.0	0.02	99.25
123.0-124.0	7.5	0.7	4318.7	0.02	99.27
124.0-125.0	7.7	0.7	4319.4	0.02	99.29
125.0-126.0	7.9	0.7	4320.1	0.02	99.30
126.0-127.0	8.1	0.7	4320.8	0.02	99.32
127.0-128.0	8.3	0.7	4321.5	0.02	99.34
128.0-129.0	8.5	0.7	4322.2	0.02	99.35
129.0-130.0	8.7	0.7	4323.0	0.02	99.37
130.0-131.0	8.9	0.7	4323.7	0.02	99.39
131.0-132.0	9.1	0.7	4324.5	0.02	99.40
132.0-133.0	9.3	0.8	4325.2	0.02	99.42
133.0-134.0	9.5	0.8	4326.0	0.02	99.44
134.0-135.0	9.7	0.8	4326.7	0.02	99.46
135.0-136.0	9.9	0.8	4327.5	0.02	99.47
136.0-137.0	10.2	0.8	4328.3	0.02	99.49
137.0-138.0	10.4	0.8	4329.0	0.02	99.51
138.0-139.0	10.6	0.8	4329.8	0.02	99.53
139.0-140.0	10.8	0.8	4330.6	0.02	99.54
140.0-141.0	11.0	0.8	4331.3	0.02	99.56
141.0-142.0	11.2	0.8	4332.1	0.02	99.58
142.0-143.0	11.4	0.8	4332.9	0.02	99.60
143.0-144.0	11.6	0.8	4333.6	0.02	99.61

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: 11.672 m

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	11.8	0.8	4334.4	0.02	99.63
145.0-146.0	12.0	0.7	4335.1	0.02	99.65
146.0-147.0	12.2	0.7	4335.8	0.02	99.67
147.0-148.0	12.4	0.7	4336.6	0.02	99.68
148.0-149.0	12.6	0.7	4337.3	0.02	99.70
149.0-150.0	12.8	0.7	4338.0	0.02	99.72
150.0-151.0	13.0	0.7	4338.7	0.02	99.73
151.0-152.0	13.1	0.7	4339.4	0.02	99.75
152.0-153.0	13.4	0.7	4340.1	0.02	99.76
153.0-154.0	13.6	0.7	4340.7	0.02	99.78
154.0-155.0	13.8	0.6	4341.4	0.01	99.79
155.0-156.0	13.9	0.6	4342.0	0.01	99.81
156.0-157.0	14.1	0.6	4342.6	0.01	99.82
157.0-158.0	14.3	0.6	4343.2	0.01	99.84
158.0-159.0	14.5	0.6	4343.8	0.01	99.85
159.0-160.0	14.7	0.6	4344.4	0.01	99.86
160.0-161.0	14.9	0.5	4344.9	0.01	99.87
161.0-162.0	15.1	0.5	4345.4	0.01	99.89
162.0-163.0	15.3	0.5	4346.0	0.01	99.90
163.0-164.0	15.4	0.5	4346.4	0.01	99.91
164.0-165.0	15.6	0.5	4346.9	0.01	99.92
165.0-166.0	15.8	0.4	4347.3	0.01	99.93
166.0-167.0	15.9	0.4	4347.7	0.01	99.94
167.0-168.0	16.1	0.4	4348.1	0.01	99.95
168.0-169.0	16.2	0.4	4348.5	0.01	99.96
169.0-170.0	16.4	0.3	4348.8	0.01	99.96
170.0-171.0	16.5	0.3	4349.1	0.01	99.97
171.0-172.0	16.6	0.3	4349.4	0.01	99.98
172.0-173.0	16.7	0.2	4349.6	0.01	99.98
173.0-174.0	16.9	0.2	4349.8	0.00	99.99
174.0-175.0	17.0	0.2	4350.0	0.00	99.99
175.0-176.0	17.1	0.1	4350.1	0.00	99.99
176.0-177.0	17.1	0.1	4350.3	0.00	100.00
177.0-178.0	17.2	0.1	4350.3	0.00	100.00
178.0-179.0	17.2	0.0	4350.4	0.00	100.00
179.0-180.0	17.3	0.0	4350.4	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: 11.672 m
 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	1921.4	1923.2	1922.8	1919.5	1921.9	1920.0	1921.4	1923.2	1922.8	1919.5
G1.0	1922.9	1922.6	1921.8	1920.8	1921.6	1916.0	1924.0	1924.5	1923.8	1918.5
G2.0	1922.4	1921.8	1921.2	1920.3	1921.1	1915.8	1922.9	1926.0	1921.8	1916.6
G3.0	1919.7	1921.6	1916.9	1918.8	1916.0	1916.4	1921.5	1925.3	1920.1	1915.7
G4.0	1919.1	1921.1	1915.7	1918.8	1915.8	1914.6	1919.1	1923.6	1918.8	1917.3
G5.0	1916.9	1916.9	1914.0	1915.6	1912.7	1911.5	1920.2	1921.1	1915.6	1914.4
G6.0	1920.5	1914.0	1911.1	1913.5	1910.5	1908.2	1912.6	1919.5	1914.3	1913.4
G7.0	1912.0	1908.2	1907.4	1910.2	1907.8	1909.4	1916.3	1909.7	1908.7	1910.5
G8.0	1908.6	1905.2	1906.7	1905.7	1907.6	1906.6	1911.7	1907.2	1904.2	1906.1
G9.0	1903.3	1903.0	1902.9	1901.7	1902.3	1903.6	1907.2	1903.2	1901.8	1899.3
G10.0	1894.4	1897.2	1897.3	1897.2	1897.9	1899.1	1898.3	1897.6	1896.6	1893.7
G11.0	1888.8	1890.4	1892.3	1888.1	1892.6	1888.8	1892.1	1891.3	1891.4	1889.4
G12.0	1882.0	1885.2	1886.8	1880.7	1885.8	1882.9	1886.0	1888.1	1886.7	1884.5
G13.0	1874.8	1875.2	1875.1	1871.8	1876.4	1877.6	1879.5	1881.5	1884.7	1879.8
G14.0	1867.9	1867.9	1866.2	1862.6	1869.6	1868.1	1878.7	1874.8	1877.2	1871.8
G15.0	1862.0	1860.2	1856.8	1852.0	1859.8	1857.5	1865.3	1867.6	1869.9	1865.0
G16.0	1846.5	1851.8	1854.6	1839.6	1848.8	1852.2	1856.6	1856.7	1862.4	1857.7
G17.0	1843.6	1841.3	1836.1	1828.0	1837.1	1841.7	1845.8	1847.2	1849.5	1848.7
G18.0	1834.7	1832.6	1825.2	1812.5	1822.1	1832.3	1834.9	1838.8	1840.2	1838.0
G19.0	1824.5	1825.9	1810.3	1794.3	1807.2	1821.1	1820.4	1831.2	1829.5	1819.3
G20.0	1810.3	1814.3	1794.2	1775.9	1793.5	1808.7	1805.6	1812.8	1819.1	1813.9
G21.0	1799.6	1802.4	1773.6	1750.3	1775.6	1792.3	1797.8	1801.6	1807.4	1801.9
G22.0	1786.6	1789.6	1755.9	1726.3	1756.6	1788.2	1782.1	1789.2	1794.4	1779.6
G23.0	1773.2	1773.5	1735.7	1700.7	1735.6	1773.0	1765.9	1775.9	1779.5	1761.8
G24.0	1757.8	1759.3	1713.7	1672.7	1713.9	1757.9	1750.7	1762.5	1763.0	1741.4
G25.0	1741.7	1743.3	1689.1	1639.1	1690.2	1735.7	1735.1	1750.1	1745.2	1720.1
G26.0	1727.3	1725.9	1663.8	1606.5	1657.8	1718.0	1717.2	1733.5	1725.7	1697.8
G27.0	1708.3	1707.0	1631.6	1572.5	1629.8	1699.8	1698.2	1715.7	1704.0	1671.2
G28.0	1690.8	1688.9	1601.7	1534.5	1598.6	1680.3	1679.6	1698.7	1680.9	1641.8
G29.0	1670.0	1668.2	1569.8	1495.5	1566.3	1658.9	1659.0	1674.0	1650.8	1609.5
G30.0	1650.4	1645.9	1536.3	1452.7	1531.7	1638.2	1635.7	1654.1	1624.9	1567.5
G31.0	1628.8	1622.9	1498.8	1410.5	1493.9	1614.4	1618.2	1632.5	1595.2	1530.8
G32.0	1608.0	1599.7	1461.5	1367.3	1454.9	1589.2	1592.8	1611.3	1561.6	1490.1
G33.0	1577.4	1574.8	1422.3	1313.9	1415.0	1563.1	1559.6	1587.4	1527.3	1446.3
G34.0	1548.8	1547.6	1381.5	1266.9	1374.0	1531.5	1531.6	1564.1	1486.4	1401.4
G35.0	1521.6	1513.4	1333.9	1219.4	1326.0	1501.9	1505.1	1537.1	1447.1	1350.0
G36.0	1492.0	1484.1	1290.6	1170.6	1282.4	1470.7	1477.9	1507.4	1404.9	1301.2

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: 11.672 m

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	1463.2	1449.6	1245.4	1120.5	1236.2	1431.3	1451.4	1476.0	1360.3	1247.3
G38.0	1435.1	1413.7	1201.1	1069.0	1187.9	1396.3	1426.9	1439.8	1306.9	1193.4
G39.0	1409.3	1376.4	1145.7	1019.2	1133.5	1359.5	1403.3	1407.8	1256.9	1130.6
G40.0	1383.4	1337.4	1096.6	968.8	1083.9	1321.6	1379.3	1374.1	1205.3	1073.7
G41.0	1359.5	1297.8	1046.3	922.9	1033.1	1284.1	1354.6	1341.3	1152.1	1014.3
G42.0	1332.7	1259.0	995.0	872.8	981.8	1246.5	1333.2	1302.6	1090.8	955.3
G43.0	1310.4	1218.0	943.8	821.1	930.3	1206.4	1310.2	1269.7	1032.5	890.3
G44.0	1287.3	1172.6	889.4	778.5	876.9	1167.8	1283.2	1234.6	973.9	831.3
G45.0	1263.6	1134.7	840.1	736.4	827.2	1129.3	1257.6	1198.4	914.0	774.0
G46.0	1235.5	1093.7	790.2	696.7	778.3	1084.1	1233.1	1161.2	849.6	718.9
G47.0	1210.7	1053.7	742.7	663.5	724.4	1043.9	1208.1	1123.2	790.0	667.7
G48.0	1185.7	1009.2	691.2	633.5	679.5	1003.6	1181.7	1084.1	730.8	617.4
G49.0	1159.9	967.0	647.9	608.0	636.2	961.8	1157.4	1042.9	673.9	575.1
G50.0	1133.1	923.9	606.9	586.2	595.9	916.9	1127.7	993.1	612.8	538.2
G51.0	1105.7	879.9	569.8	568.2	559.7	869.4	1099.1	948.7	560.6	502.8
G52.0	1078.0	834.7	534.2	554.6	524.2	825.3	1064.8	903.6	513.3	477.0
G53.0	1049.8	785.7	504.6	545.0	495.5	778.8	1036.5	857.8	471.2	456.7
G54.0	1021.3	739.9	479.4	539.0	471.5	732.7	1006.9	805.8	431.6	440.4
G55.0	986.7	693.5	458.5	535.8	451.3	681.2	976.6	757.7	401.0	428.0
G56.0	957.5	648.0	440.0	536.9	435.2	635.0	943.0	708.9	375.6	420.1
G57.0	927.1	596.9	426.6	542.2	421.9	588.7	909.5	658.4	355.1	415.7
G58.0	895.2	551.5	416.8	549.7	413.5	542.8	871.8	603.8	337.7	413.4
G59.0	859.9	508.3	409.6	559.0	407.7	494.0	832.9	553.0	325.2	412.5
G60.0	822.1	462.0	405.1	561.9	403.1	449.3	793.1	502.2	315.5	411.0
G61.0	783.4	420.3	402.5	559.8	400.9	406.7	753.5	451.1	307.3	406.8
G62.0	744.5	380.3	400.0	549.7	398.4	365.8	721.5	395.5	298.8	399.0
G63.0	714.2	342.3	396.1	529.8	394.3	325.1	690.8	348.9	291.1	388.2
G64.0	685.1	307.4	389.9	506.2	387.7	292.2	659.0	308.2	282.4	371.7
G65.0	656.2	274.3	379.6	476.5	377.8	264.2	620.7	273.9	272.5	353.9
G66.0	624.3	249.4	366.9	442.9	364.1	240.9	582.4	242.3	260.7	334.4
G67.0	584.1	228.1	350.9	408.5	347.3	220.5	541.9	217.6	248.3	312.5
G68.0	545.2	210.1	329.3	372.3	324.7	201.0	493.7	196.1	233.8	291.9
G69.0	502.6	192.5	307.4	340.7	302.4	185.2	444.5	177.4	219.2	270.1
G70.0	451.8	177.7	284.9	309.7	279.4	171.2	394.7	159.0	202.8	248.6
G71.0	401.5	164.1	262.2	276.9	256.9	156.5	348.4	144.3	187.9	223.7
G72.0	356.6	149.9	239.4	248.1	233.7	143.8	305.3	130.5	172.6	202.1
G73.0	316.9	137.3	217.8	220.3	211.9	131.1	270.2	117.8	158.2	180.6

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: 11.672 m
 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	281.4	125.0	196.3	194.1	190.3	118.8	238.1	105.0	141.7	159.9
G75.0	245.7	113.6	175.3	167.2	169.3	106.5	208.1	94.5	125.8	137.9
G76.0	214.7	102.4	154.8	144.4	147.9	95.7	178.8	84.8	110.9	119.1
G77.0	186.5	92.1	132.3	123.3	126.7	85.7	154.0	74.4	97.0	101.2
G78.0	160.5	81.0	114.2	103.6	109.0	75.6	131.2	65.3	82.0	84.2
G79.0	135.2	71.5	97.6	85.3	92.6	66.1	110.8	56.7	68.9	67.5
G80.0	114.2	62.0	81.7	67.5	77.1	56.2	89.8	48.5	56.6	53.2
G81.0	94.4	52.7	65.5	52.8	61.1	47.9	71.2	40.8	44.7	39.6
G82.0	75.1	44.6	51.6	38.8	47.6	39.9	55.6	32.9	32.8	25.9
G83.0	57.4	36.9	38.3	24.0	34.3	32.6	41.2	26.3	20.8	12.8
G84.0	43.4	29.8	25.2	11.3	19.7	25.0	29.3	20.2	10.0	5.7
G85.0	32.8	22.6	10.8	5.5	8.6	18.5	18.9	13.8	5.0	3.5
G86.0	22.0	15.9	5.5	3.2	4.8	11.3	10.6	7.1	3.3	2.7
G87.0	12.5	8.8	3.3	2.1	3.3	4.8	4.9	3.5	2.1	1.9
G88.0	6.8	4.0	2.0	1.7	2.3	2.5	2.3	2.0	1.4	1.7
G89.0	3.5	2.1	1.4	1.6	1.4	1.4	1.5	1.4	1.0	1.9
G90.0	2.0	1.2	0.8	1.5	1.1	1.4	1.6	1.4	1.1	1.9
G91.0	2.0	1.1	0.9	1.5	1.2	1.4	1.8	1.5	1.1	2.0
G92.0	2.2	1.1	0.8	1.5	1.4	1.4	2.1	1.6	1.3	2.0
G93.0	2.2	1.3	0.9	1.5	1.4	1.6	2.3	1.7	1.3	1.8
G94.0	2.3	1.4	1.0	1.6	1.6	1.7	2.2	1.8	1.4	2.0
G95.0	2.5	1.5	1.1	1.9	1.5	2.0	2.4	1.9	1.5	2.1
G96.0	2.6	1.4	1.1	1.9	1.6	2.1	2.4	2.1	1.6	2.3
G97.0	2.8	1.6	1.1	1.9	1.9	2.0	2.8	2.1	1.8	2.2
G98.0	3.0	2.0	1.4	1.9	1.9	2.2	2.8	2.4	1.7	2.1
G99.0	3.1	2.1	1.4	1.9	2.0	2.2	3.0	2.4	1.9	2.4
G100.0	3.2	2.3	1.5	1.9	2.2	2.5	3.2	2.5	2.1	2.3
G101.0	3.3	2.4	1.7	2.1	2.4	2.6	3.3	2.7	2.2	2.4
G102.0	3.5	2.7	1.7	2.0	2.4	2.8	3.5	3.0	2.3	2.6
G103.0	3.7	2.8	1.9	2.2	2.7	2.9	3.7	2.9	2.4	2.6
G104.0	4.0	3.0	2.1	2.5	2.8	3.0	3.9	3.0	2.5	2.8
G105.0	4.1	3.1	2.2	2.5	2.9	3.3	4.1	3.3	2.8	2.9
G106.0	4.1	3.2	2.4	2.7	3.0	3.4	4.2	3.6	2.8	3.0
G107.0	4.4	3.5	2.8	2.8	3.2	3.6	4.3	3.8	3.0	3.1
G108.0	4.6	3.5	2.9	3.1	3.3	3.8	4.5	3.9	3.1	3.3
G109.0	4.8	3.8	2.9	3.1	3.5	4.1	4.8	4.0	3.3	3.3
G110.0	4.9	4.0	3.2	3.1	3.8	4.2	4.9	4.3	3.5	3.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 11.672 m

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	5.2	4.2	3.5	3.5	4.1	4.5	5.1	4.7	3.7	3.8
G112.0	5.4	4.3	3.8	4.0	4.3	4.6	5.3	4.8	3.7	3.9
G113.0	5.5	4.7	4.1	5.4	4.7	5.0	5.6	5.0	4.0	4.1
G114.0	5.7	4.6	4.2	6.9	4.9	5.0	5.8	5.1	4.3	4.3
G115.0	6.1	5.0	4.6	8.7	5.1	5.3	5.9	5.4	4.4	4.5
G116.0	6.2	5.3	4.9	10.1	5.3	5.6	6.2	5.7	4.5	4.5
G117.0	6.4	5.5	5.4	11.6	5.6	5.6	6.3	5.9	4.8	4.8
G118.0	6.6	5.7	5.6	12.8	5.9	6.0	6.6	6.0	5.1	5.0
G119.0	6.8	6.0	5.9	14.1	6.2	6.2	6.9	6.2	5.2	5.2
G120.0	7.0	6.1	6.1	14.6	6.4	6.2	7.0	6.5	5.3	5.3
G121.0	7.4	6.3	6.4	14.9	6.7	6.8	7.3	6.8	5.6	5.5
G122.0	7.5	6.6	6.5	14.8	7.0	6.8	7.5	6.9	5.8	5.7
G123.0	7.9	6.8	7.0	12.9	7.2	7.1	7.6	7.1	6.1	6.0
G124.0	8.1	7.1	7.1	12.7	7.4	7.3	7.9	7.5	6.3	6.3
G125.0	8.3	7.3	7.4	12.0	7.6	7.6	8.1	7.6	6.7	6.6
G126.0	8.4	7.6	7.5	12.1	7.9	7.8	8.3	7.9	6.8	6.8
G127.0	8.8	7.6	7.8	12.1	8.1	8.1	8.4	8.1	6.9	7.0
G128.0	9.0	7.9	7.9	12.2	8.3	8.3	8.6	8.3	7.4	7.2
G129.0	9.3	8.1	8.0	12.1	8.5	8.5	8.9	8.4	7.6	7.4
G130.0	9.4	8.3	8.1	12.0	8.8	8.7	9.2	8.8	7.8	7.6
G131.0	9.7	8.5	8.4	11.8	8.9	9.2	9.6	9.0	8.1	7.9
G132.0	10.1	8.6	8.6	11.9	9.1	9.3	9.7	9.3	8.3	8.1
G133.0	10.1	8.9	8.8	12.0	9.3	9.5	10.0	9.4	8.5	8.6
G134.0	10.4	9.2	8.9	11.8	9.4	9.9	10.1	9.6	8.8	8.6
G135.0	10.8	9.3	9.0	11.7	9.6	9.9	10.3	9.9	9.2	8.9
G136.0	10.9	9.8	9.5	11.7	9.7	10.2	10.8	10.1	9.4	9.3
G137.0	11.2	10.0	9.6	11.6	9.9	10.7	10.9	10.2	9.6	9.6
G138.0	11.4	10.2	9.6	11.6	10.2	10.8	11.1	10.4	9.7	10.0
G139.0	11.6	10.5	10.1	11.6	10.3	11.0	11.5	10.7	10.0	10.4
G140.0	11.8	10.7	10.3	11.5	10.6	11.3	11.7	10.9	10.2	10.6
G141.0	12.0	10.8	10.3	11.6	10.8	11.4	11.9	11.3	10.3	10.8
G142.0	12.4	10.9	10.5	11.5	10.9	11.4	12.0	11.5	10.5	11.1
G143.0	12.6	11.2	10.8	11.4	11.2	11.7	12.2	11.6	10.7	11.4
G144.0	12.6	11.6	10.9	11.5	11.5	12.1	12.5	11.8	11.1	11.6
G145.0	12.8	11.9	11.1	11.5	11.6	12.3	12.6	12.1	11.4	11.8
G146.0	13.1	12.1	11.4	11.6	12.0	12.4	12.8	12.2	11.6	12.0
G147.0	13.1	12.3	11.7	11.9	12.2	12.7	13.1	12.4	11.8	12.1

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: 11.672 m

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	13.4	12.5	11.7	12.2	12.4	13.1	13.4	12.6	12.0	12.4
G149.0	13.6	12.7	12.1	12.4	12.7	13.2	13.4	12.8	12.2	12.6
G150.0	13.7	13.0	12.3	12.4	12.8	13.3	13.5	13.2	12.5	12.7
G151.0	13.9	13.1	12.5	12.5	13.0	13.6	13.7	13.3	12.6	12.7
G152.0	14.2	13.1	12.6	12.8	13.1	13.8	13.9	13.4	12.9	12.9
G153.0	14.3	13.4	12.9	13.1	13.3	14.1	14.2	13.6	12.8	13.1
G154.0	14.4	13.7	13.3	13.3	13.5	14.2	14.4	13.9	12.9	13.4
G155.0	14.6	13.8	13.3	13.6	13.7	14.5	14.5	14.2	13.2	13.6
G156.0	14.8	14.0	13.5	13.8	13.9	14.6	14.5	14.4	13.5	13.6
G157.0	15.1	14.3	13.8	14.1	14.1	14.6	14.7	14.6	13.6	13.7
G158.0	15.2	14.5	14.0	14.2	14.4	14.9	14.9	14.7	13.7	13.9
G159.0	15.5	14.5	14.2	14.4	14.6	15.2	15.2	15.0	14.0	14.0
G160.0	15.6	14.7	14.4	14.8	14.9	15.4	15.3	15.1	14.2	14.1
G161.0	15.6	15.0	14.6	14.9	15.0	15.7	15.4	15.3	14.3	14.4
G162.0	15.8	15.1	14.9	15.0	15.4	15.8	15.7	15.5	14.5	14.6
G163.0	15.9	15.3	14.9	15.3	15.6	16.0	15.8	15.5	14.7	14.9
G164.0	16.2	15.6	15.1	15.6	15.9	16.1	15.9	15.7	14.9	15.1
G165.0	16.3	15.7	15.3	15.8	15.9	16.4	16.0	15.9	15.1	15.1
G166.0	16.4	15.9	15.8	16.0	16.3	16.4	16.2	16.1	15.2	15.3
G167.0	16.4	15.9	15.8	16.2	16.3	16.1	16.3	16.1	15.5	15.3
G168.0	16.5	16.3	15.9	16.4	16.4	16.3	16.5	16.5	15.6	15.8
G169.0	16.7	16.4	16.1	16.5	16.4	16.3	16.5	16.5	15.7	15.9
G170.0	16.8	16.5	16.4	16.9	16.5	16.4	16.6	16.5	16.1	16.2
G171.0	17.1	16.5	16.3	17.0	16.6	16.5	16.7	16.7	16.1	16.3
G172.0	17.0	16.7	16.5	17.1	16.8	16.8	16.8	16.8	16.4	16.4
G173.0	17.2	17.1	16.7	17.2	16.8	16.6	17.0	16.9	16.4	16.5
G174.0	17.3	17.0	16.9	17.4	17.1	16.8	16.9	17.0	16.5	16.8
G175.0	17.3	17.2	16.8	17.5	17.2	17.0	17.0	17.1	16.6	17.0
G176.0	17.3	17.2	16.9	17.6	17.3	17.1	17.1	17.2	16.5	17.3
G177.0	17.7	17.1	17.0	17.5	17.2	16.7	17.1	17.3	16.9	17.1
G178.0	17.4	17.1	17.1	17.6	17.4	16.9	17.2	17.2	17.0	17.3
G179.0	17.6	17.4	17.2	17.7	17.5	16.9	17.2	17.2	17.1	17.6
G180.0	17.6	17.5	17.1	17.6	17.3	16.9	17.2	17.5	17.2	17.3

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: 11.672 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1921.9	1920.0	1921.4							
G1.0	1920.6	1920.7	1922.9							
G2.0	1920.0	1918.6	1922.4							
G3.0	1915.1	1917.0	1919.7							
G4.0	1913.1	1911.5	1919.1							
G5.0	1910.0	1910.0	1916.9							
G6.0	1910.1	1906.6	1920.5							
G7.0	1904.5	1903.1	1912.0							
G8.0	1900.9	1898.1	1908.6							
G9.0	1896.4	1893.4	1903.3							
G10.0	1891.0	1888.2	1894.4							
G11.0	1888.9	1882.3	1888.8							
G12.0	1884.7	1877.4	1882.0							
G13.0	1877.7	1873.2	1874.8							
G14.0	1871.4	1866.0	1867.9							
G15.0	1863.6	1857.1	1862.0							
G16.0	1855.2	1848.5	1846.5							
G17.0	1842.9	1834.8	1843.6							
G18.0	1832.5	1824.7	1834.7							
G19.0	1822.8	1814.4	1824.5							
G20.0	1811.7	1803.9	1810.3							
G21.0	1799.3	1794.2	1799.6							
G22.0	1791.0	1784.8	1786.6							
G23.0	1776.0	1772.8	1773.2							
G24.0	1760.9	1754.4	1757.8							
G25.0	1743.8	1744.7	1741.7							
G26.0	1721.5	1730.6	1727.3							
G27.0	1698.5	1711.7	1708.3							
G28.0	1679.6	1694.2	1690.8							
G29.0	1652.1	1677.6	1670.0							
G30.0	1626.9	1655.3	1650.4							
G31.0	1599.1	1635.7	1628.8							
G32.0	1568.0	1614.3	1608.0							
G33.0	1534.5	1591.9	1577.4							
G34.0	1494.9	1569.7	1548.8							
G35.0	1456.9	1543.6	1521.6							
G36.0	1415.8	1516.6	1492.0							

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: 11.672 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	1371.6	1486.0	1463.2						
G38.0	1320.3	1455.1	1435.1						
G39.0	1271.6	1416.2	1409.3						
G40.0	1222.0	1383.5	1383.4						
G41.0	1170.2	1348.7	1359.5						
G42.0	1111.2	1315.3	1332.7						
G43.0	1055.9	1279.8	1310.4						
G44.0	997.7	1245.6	1287.3						
G45.0	938.7	1209.3	1263.6						
G46.0	872.6	1174.2	1235.5						
G47.0	812.8	1136.8	1210.7						
G48.0	754.3	1092.9	1185.7						
G49.0	694.5	1053.3	1159.9						
G50.0	635.2	1012.2	1133.1						
G51.0	582.2	969.4	1105.7						
G52.0	533.0	920.0	1078.0						
G53.0	489.0	875.0	1049.8						
G54.0	447.0	828.2	1021.3						
G55.0	414.6	778.0	986.7						
G56.0	387.3	729.1	957.5						
G57.0	365.4	680.2	927.1						
G58.0	345.6	632.2	895.2						
G59.0	332.0	583.8	859.9						
G60.0	321.9	529.7	822.1						
G61.0	313.4	480.6	783.4						
G62.0	305.9	431.1	744.5						
G63.0	297.8	382.9	714.2						
G64.0	289.2	335.0	685.1						
G65.0	280.1	297.0	656.2						
G66.0	269.4	263.7	624.3						
G67.0	256.5	235.4	584.1						
G68.0	242.7	208.5	545.2						
G69.0	228.0	187.7	502.6						
G70.0	211.5	170.1	451.8						
G71.0	196.8	152.0	401.5						
G72.0	181.7	137.6	356.6						
G73.0	166.6	123.9	316.9						

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: 11.672 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G74.0	150.1	111.2	281.4						
G75.0	134.0	99.2	245.7						
G76.0	118.3	89.0	214.7						
G77.0	103.9	79.6	186.5						
G78.0	88.1	70.4	160.5						
G79.0	74.9	60.6	135.2						
G80.0	61.9	52.0	114.2						
G81.0	49.8	44.2	94.4						
G82.0	37.6	37.1	75.1						
G83.0	26.2	30.0	57.4						
G84.0	13.8	23.2	43.4						
G85.0	6.8	17.3	32.8						
G86.0	4.0	10.9	22.0						
G87.0	2.6	4.9	12.5						
G88.0	1.8	2.8	6.8						
G89.0	1.4	1.4	3.5						
G90.0	1.2	1.2	2.0						
G91.0	1.4	1.3	2.0						
G92.0	1.4	1.5	2.2						
G93.0	1.5	1.7	2.2						
G94.0	1.7	1.9	2.3						
G95.0	1.7	1.8	2.5						
G96.0	1.7	1.9	2.6						
G97.0	1.8	2.0	2.8						
G98.0	1.9	2.0	3.0						
G99.0	2.1	2.3	3.1						
G100.0	2.2	2.3	3.2						
G101.0	2.3	2.8	3.3						
G102.0	2.5	2.6	3.5						
G103.0	2.6	2.9	3.7						
G104.0	2.9	3.0	4.0						
G105.0	2.9	3.3	4.1						
G106.0	3.1	3.4	4.1						
G107.0	3.2	3.5	4.4						
G108.0	3.3	3.7	4.6						
G109.0	3.6	4.1	4.8						
G110.0	3.8	4.2	4.9						

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.672 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	3.8	4.4	5.2							
G112.0	4.1	4.6	5.4							
G113.0	4.2	4.8	5.5							
G114.0	4.6	5.0	5.7							
G115.0	4.7	5.2	6.1							
G116.0	4.8	5.5	6.2							
G117.0	5.0	5.6	6.4							
G118.0	5.2	5.8	6.6							
G119.0	5.6	6.2	6.8							
G120.0	5.7	6.3	7.0							
G121.0	6.0	6.6	7.4							
G122.0	6.1	6.8	7.5							
G123.0	6.2	7.2	7.9							
G124.0	6.5	7.4	8.1							
G125.0	6.7	7.5	8.3							
G126.0	6.9	7.7	8.4							
G127.0	7.2	7.9	8.8							
G128.0	7.6	8.1	9.0							
G129.0	7.6	8.3	9.3							
G130.0	8.0	8.4	9.4							
G131.0	8.4	8.8	9.7							
G132.0	8.7	8.9	10.1							
G133.0	9.1	9.1	10.1							
G134.0	9.4	9.6	10.4							
G135.0	9.5	9.6	10.8							
G136.0	9.8	9.7	10.9							
G137.0	10.0	10.0	11.2							
G138.0	10.1	10.3	11.4							
G139.0	10.5	10.5	11.6							
G140.0	10.6	10.8	11.8							
G141.0	10.9	10.8	12.0							
G142.0	11.1	11.1	12.4							
G143.0	11.4	11.4	12.6							
G144.0	11.6	11.5	12.6							
G145.0	11.8	11.7	12.8							
G146.0	11.8	11.9	13.1							
G147.0	11.8	12.2	13.1							

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: 11.672 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G148.0	12.2	12.3	13.4						
G149.0	12.5	12.4	13.6						
G150.0	12.5	12.7	13.7						
G151.0	12.8	12.8	13.9						
G152.0	13.0	13.1	14.2						
G153.0	13.2	13.3	14.3						
G154.0	13.4	13.6	14.4						
G155.0	13.7	13.7	14.6						
G156.0	13.8	13.8	14.8						
G157.0	13.8	14.2	15.1						
G158.0	13.9	14.3	15.2						
G159.0	14.3	14.4	15.5						
G160.0	14.4	14.6	15.6						
G161.0	14.9	14.8	15.6						
G162.0	14.9	15.1	15.8						
G163.0	15.0	15.3	15.9						
G164.0	15.3	15.3	16.2						
G165.0	15.6	15.6	16.3						
G166.0	15.8	15.6	16.4						
G167.0	15.8	15.7	16.4						
G168.0	16.1	15.8	16.5						
G169.0	16.2	16.0	16.7						
G170.0	16.3	16.3	16.8						
G171.0	16.2	16.5	17.1						
G172.0	16.6	16.4	17.0						
G173.0	16.8	16.5	17.2						
G174.0	16.8	16.8	17.3						
G175.0	16.8	16.7	17.3						
G176.0	17.0	16.7	17.3						
G177.0	17.0	17.1	17.7						
G178.0	17.1	17.0	17.4						
G179.0	17.0	17.0	17.6						
G180.0	17.3	17.1	17.6						

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: 11.672 m
 Humidity:
 Inspector: