Report No.: Test Time: 2024/2/23 13:55

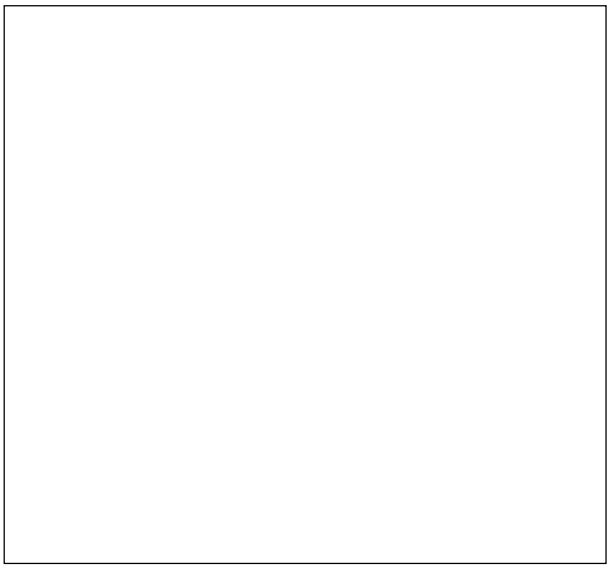
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Luminaire Description:
Lamp Catalog: Lamp Description:
Number of Lamps: Lumens per Lamp:
Luminous Length (mm): Luminous Width (mm):
Luminous Height (mm): Voltage: 277.0 V
Current: 1.803 A Power: 482.87 W
Power Factor: 0.967

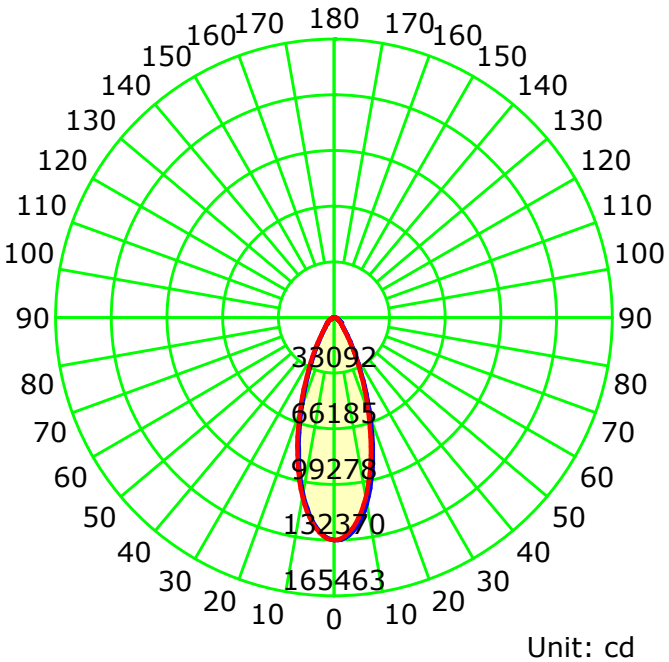
Photometric Results

IES Classification: Type I Longitudinal Classification: Very Short
Total Rated Lamp Lumens: 75197.0 lm Measurement Flux: 75197 lm
Efficiency: 100% Downward Ratio: 100%
Upward Ratio: 0% Luminaire Efficacy Rating (LER): 155.78
C0r0 Intensity: 132296.64 cd Max. Intensity: 132370.96 cd
Pos of Max. Intensity: H0 V1
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 37.4, 37.2, 37.3, 37.3

Picture Of Luminaire



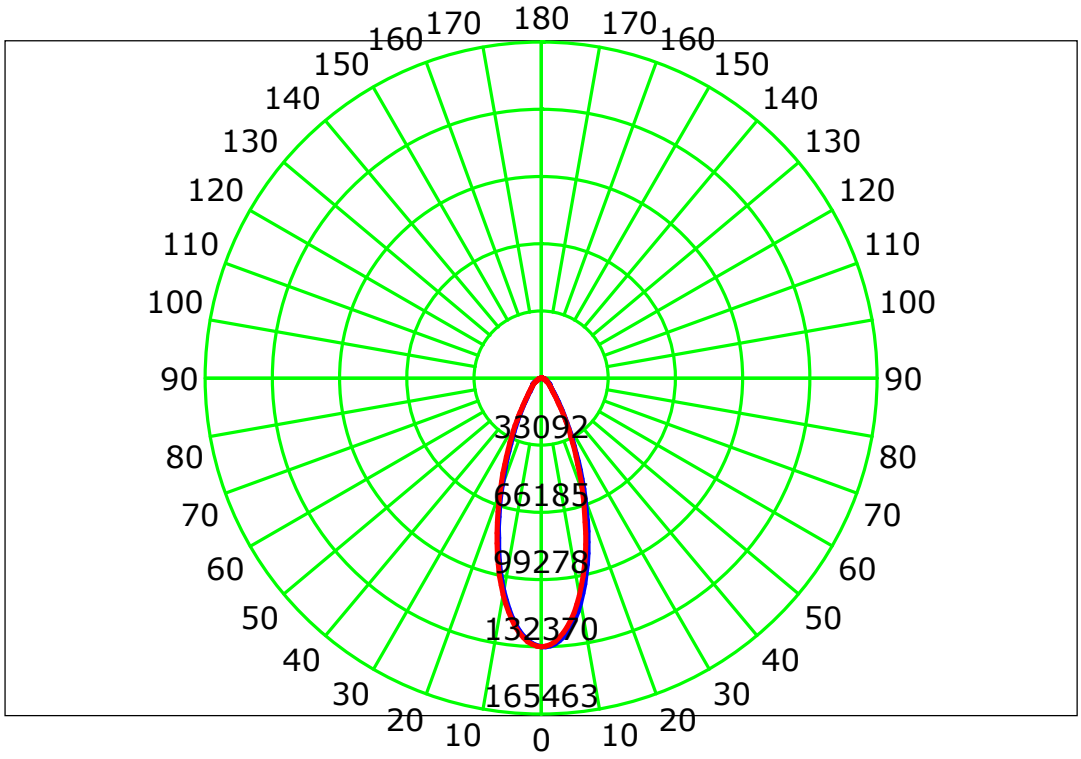
Luminous Intensity Distribution Curve

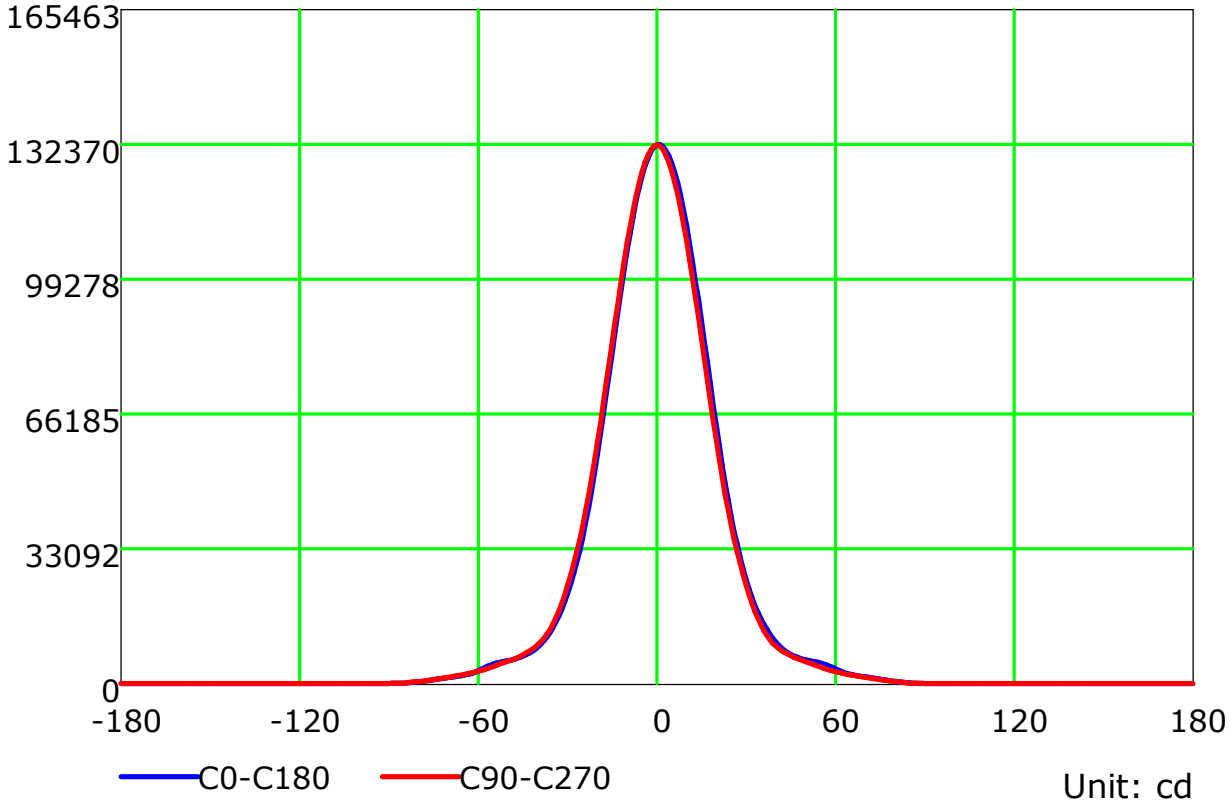


Unit: cd
Average Diffuse Angle(50%): 37.3°
C0-C180 C90-C270

C Plane (°):0.0-360.0: 22.5 Gamma Plane (°):0.0-180.0:1.0
Test Lab: Test Device: GPM-3000
Test Type: TYPE C Distance: 14.320 m [K=8.8652]
Temperature: 24.2 'C Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve



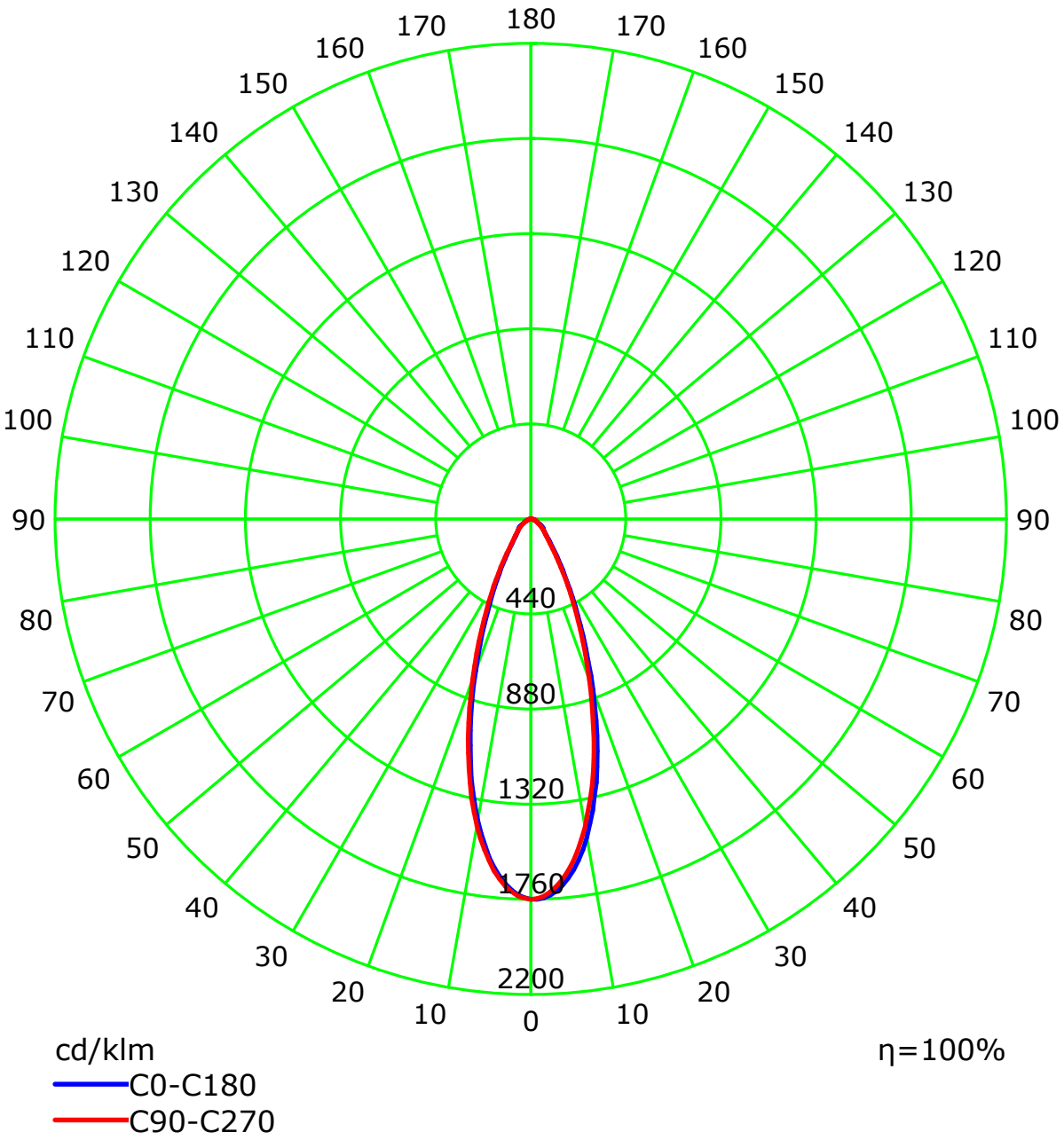


Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

C Plane (°):0.0-360.0: 22.5 Gamma Plane (°):0.0-180.0:1.0

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

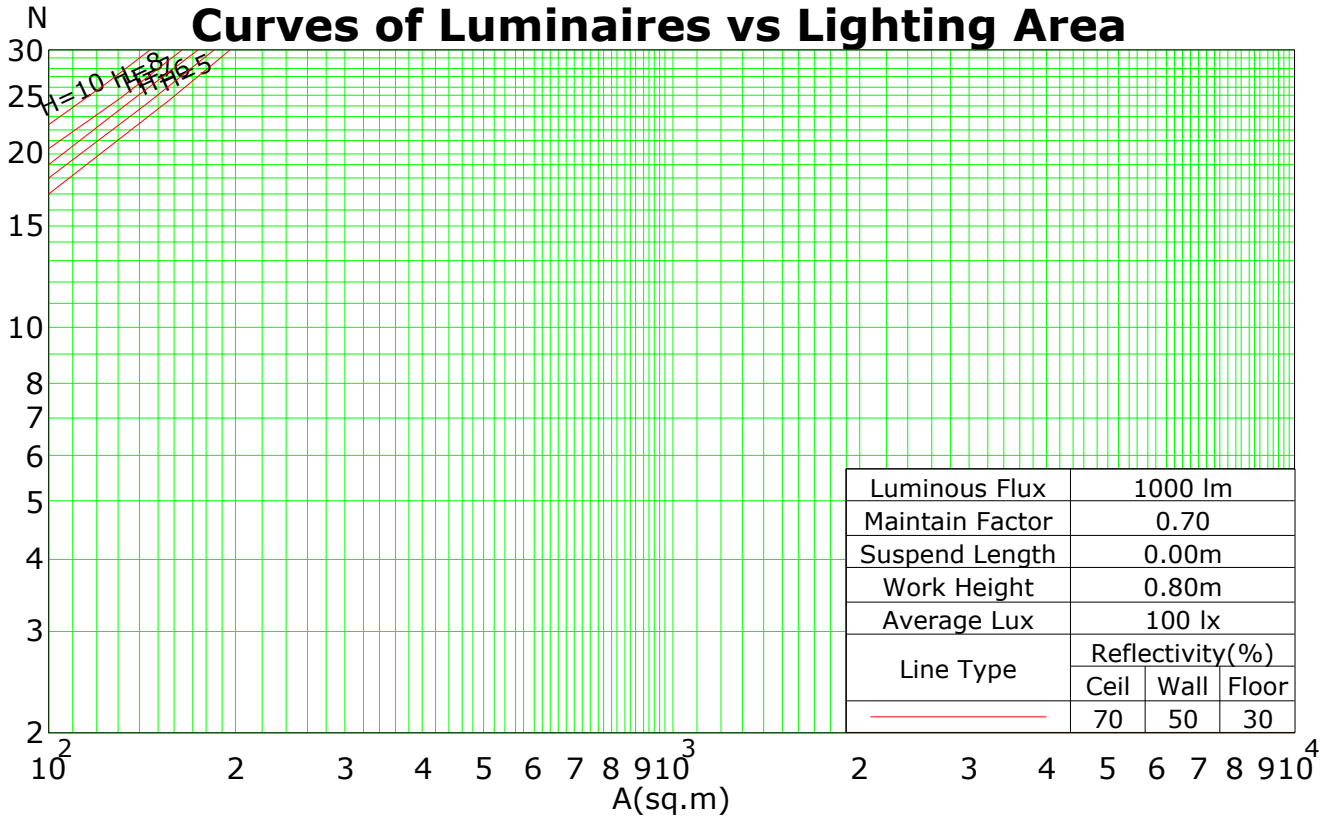
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.13	1.10	1.07	1.05	1.10	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.07	1.02	0.97	0.94	1.05	1.00	0.96	0.93	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	1.01	0.94	0.89	0.85	0.99	0.93	0.88	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.80	0.79
4	0.96	0.88	0.82	0.78	0.94	0.87	0.82	0.77	0.85	0.80	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.73
5	0.91	0.83	0.77	0.72	0.90	0.82	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.68
6	0.87	0.78	0.72	0.67	0.85	0.77	0.71	0.67	0.75	0.70	0.67	0.74	0.70	0.66	0.73	0.69	0.66	0.64
7	0.83	0.73	0.67	0.63	0.81	0.73	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.60
8	0.79	0.70	0.64	0.59	0.78	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.57
9	0.76	0.66	0.60	0.56	0.75	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.54
10	0.73	0.63	0.57	0.53	0.72	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.53	0.52

Spacing Criteria (0-180): 0.61
Spacing Criteria (90-270): 0.60
Spacing Criteria (Diagonal): 0.62

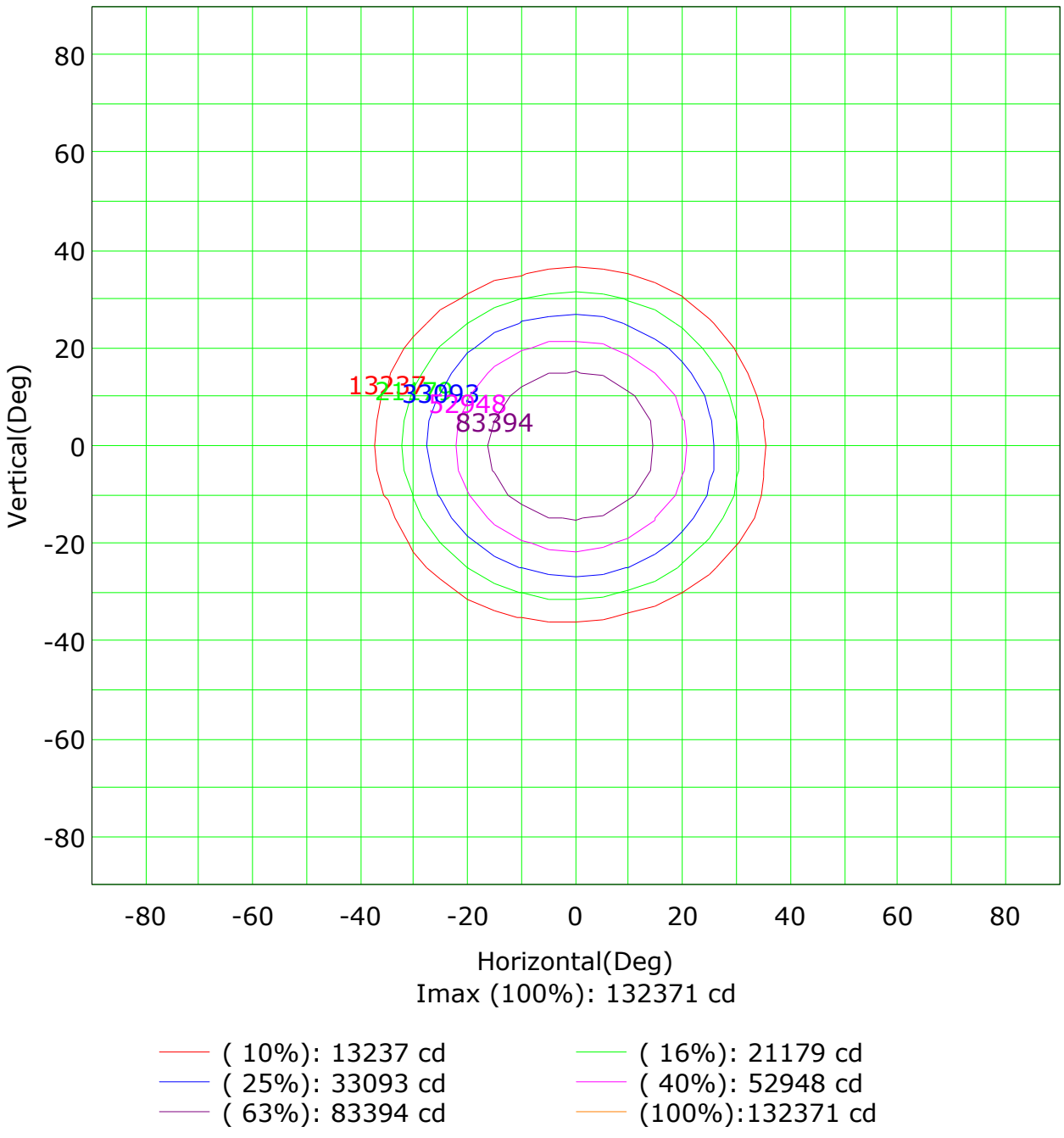
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

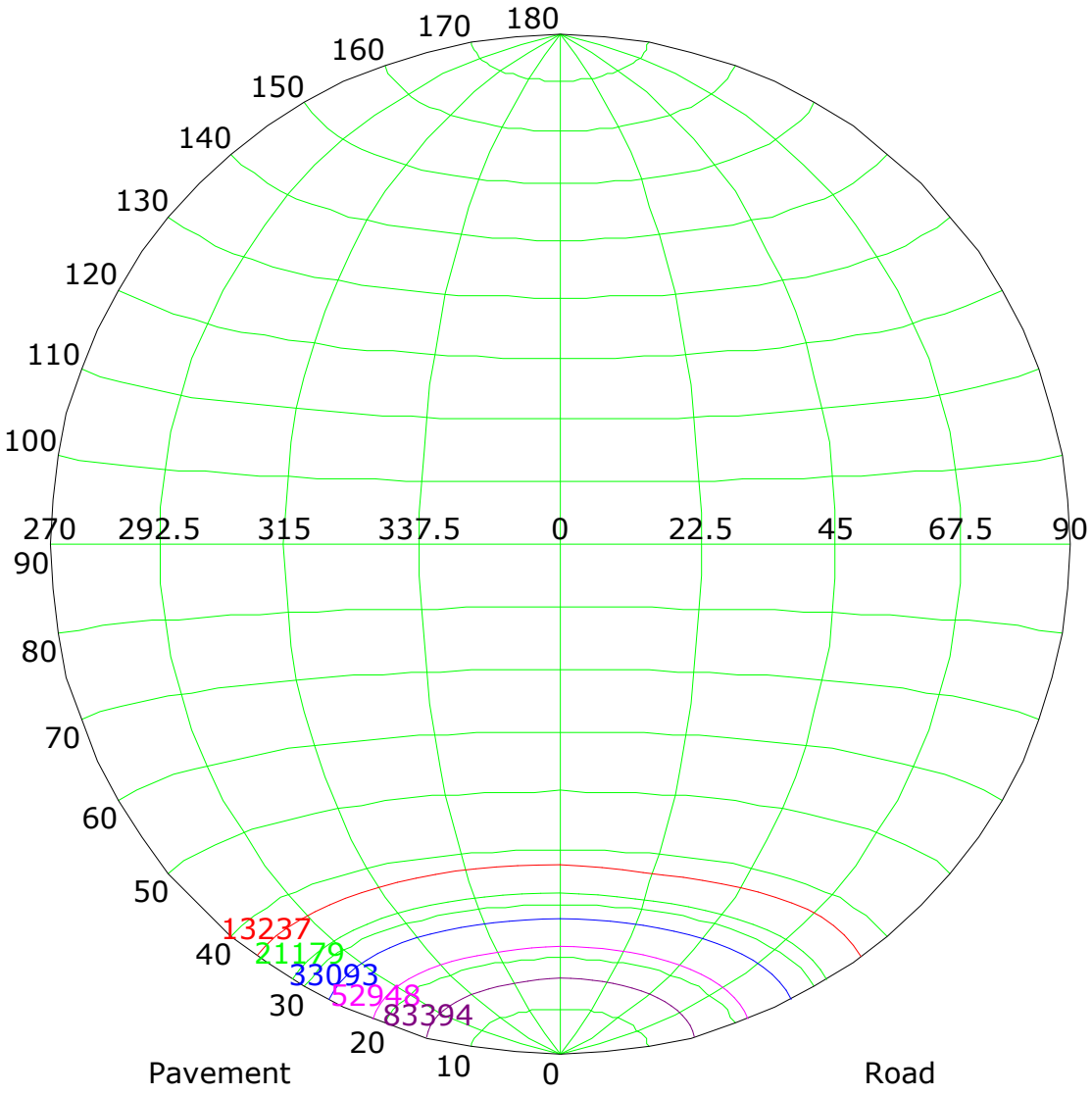
Isocandela (rectangle)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Isocandela (sphere)



Imax (100%): 132371 cd

(10%): 13237 cd
(16%): 21179 cd
(25%): 33093 cd
(40%): 52948 cd
(63%): 83394 cd
(100%):132371 cd

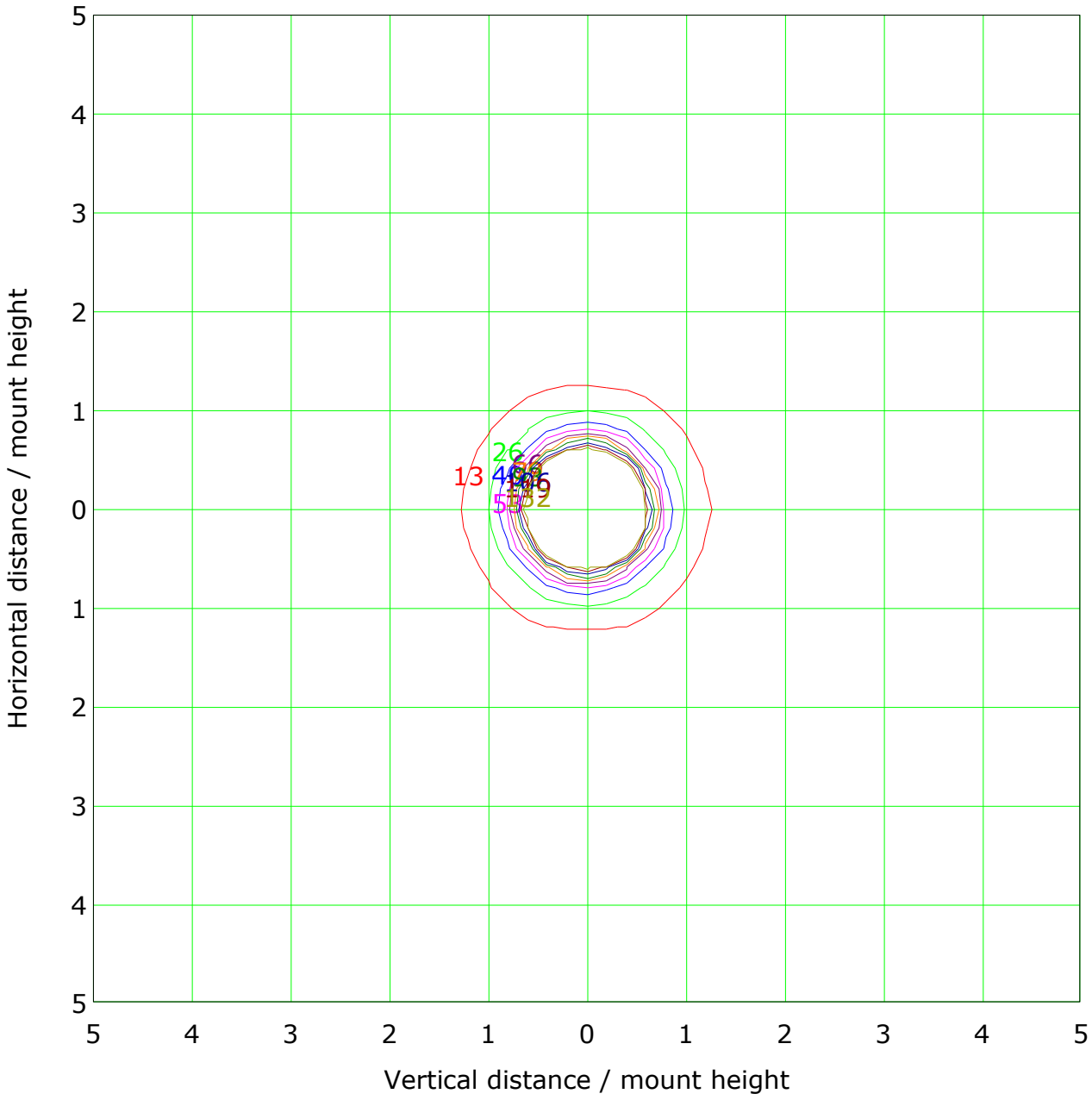
CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.000 cd/klm

IES: Cut-off
Max.At80: 8.844 cd/klm
Max.80-90: 8.844 cd/klm

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

IsoLux Plot



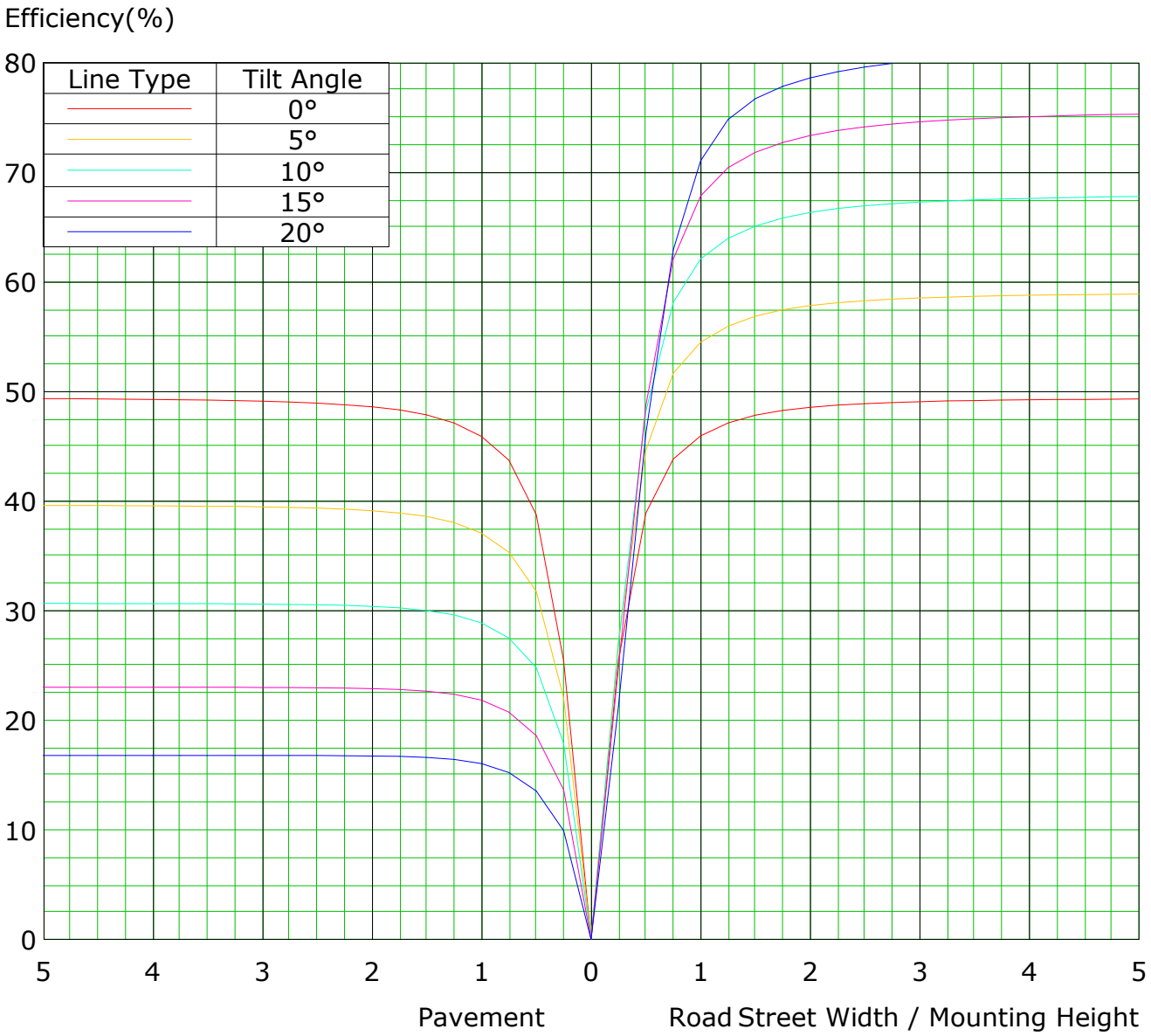
Mounting Height: 10.0m Max Lux(100%): 1323.1 lx

(1%): 13.2 lx	(2%): 26.5 lx
(3%): 39.7 lx	(4%): 52.9 lx
(5%): 66.2 lx	(6%): 79.4 lx
(7%): 92.6 lx	(8%): 105.8 lx
(9%): 119.1 lx	(10%): 132.3 lx

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Roadway CU Curve

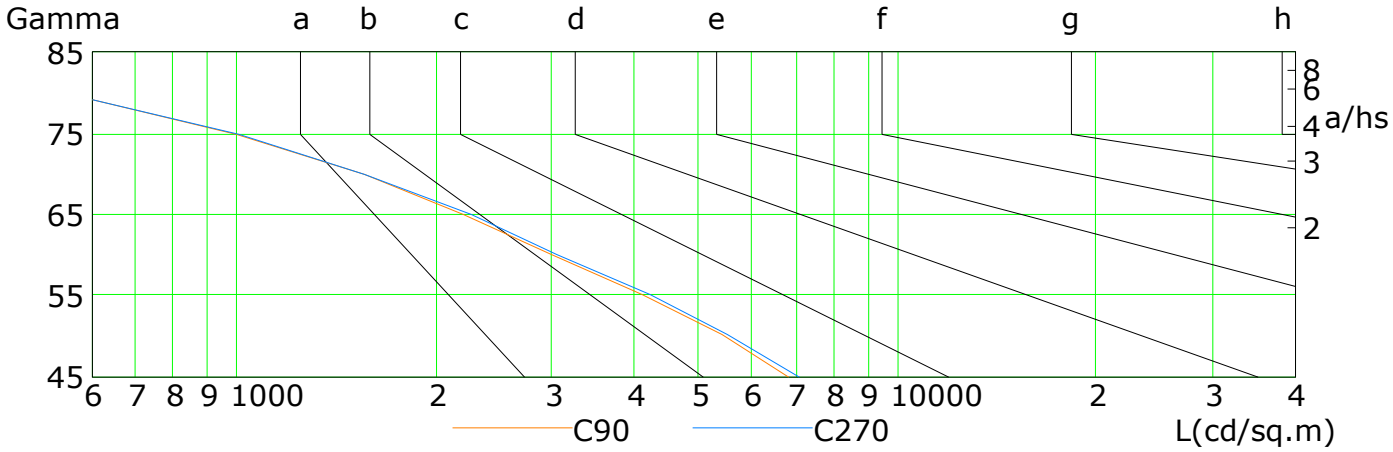


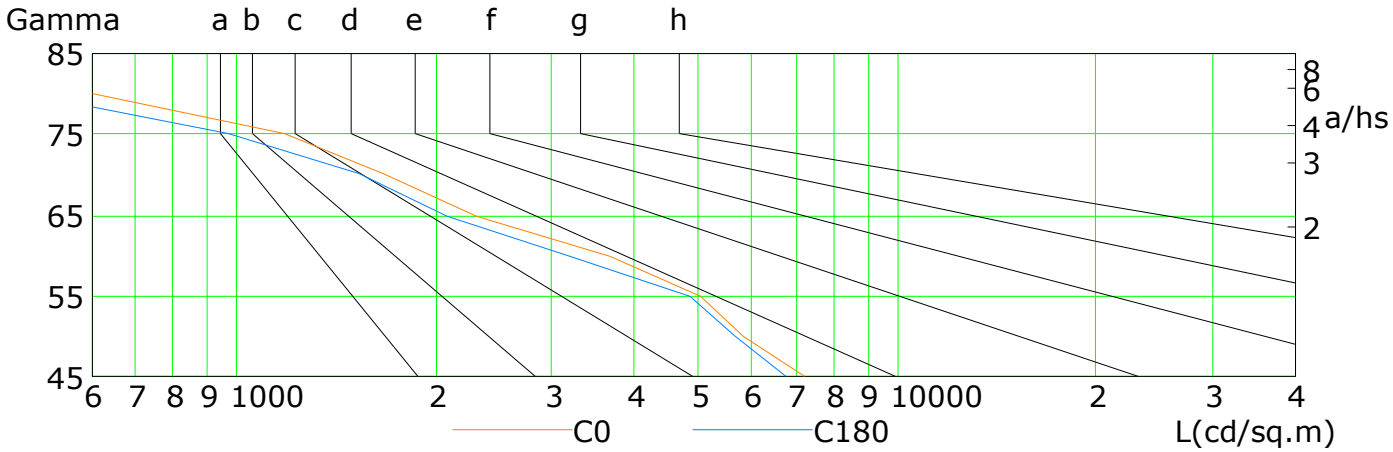
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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



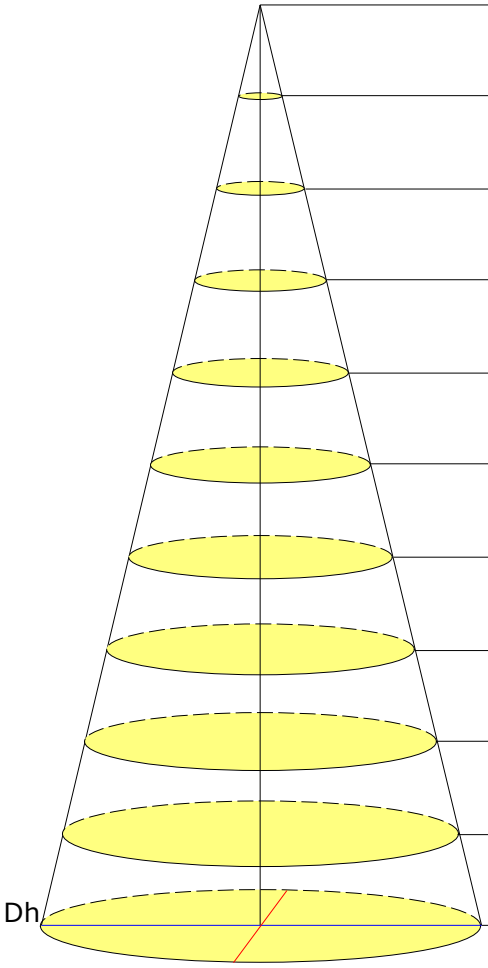


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7230	5834	5032	3678	2311	1655	1176	598	187
C90	6855	5412	4088	2985	2200	1564	993	548	156
C180	6780	5685	4828	3187	2081	1522	970	465	116
C270	7089	5525	4214	3030	2258	1551	1009	548	146

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Illuminance at a Distance



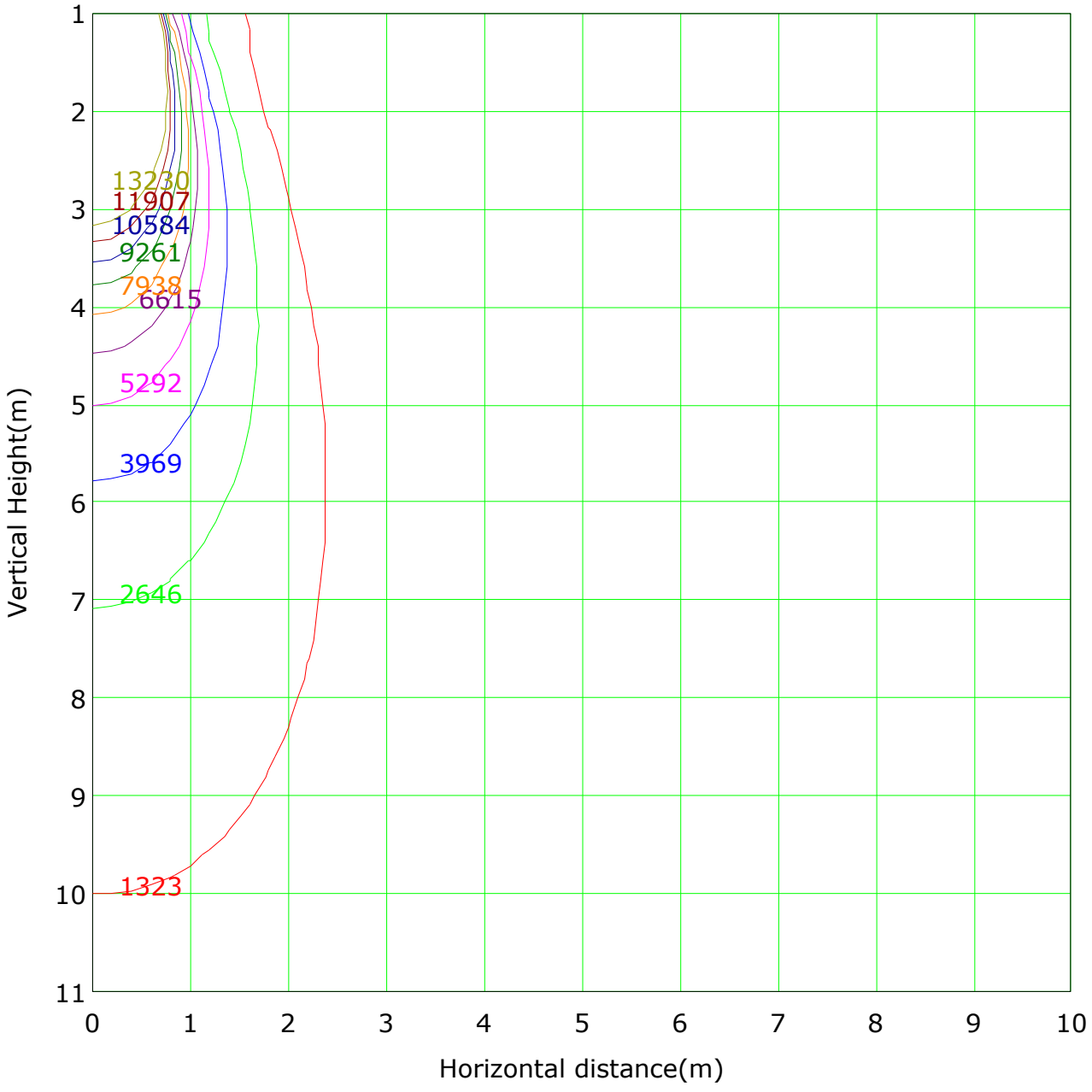
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
		Dh/Dv_F(m)	S_F(sq.m)	Eav_F(lx)
1.0	132296.64	0.68/0.67	0.4	76419.00
		1.46/1.45	1.7	19364.48
2.0	33074.16	1.36/1.35	1.4	19104.75
		2.93/2.90	6.6	4841.12
3.0	14699.63	2.03/2.02	3.2	8491.00
		4.39/4.35	14.9	2151.61
4.0	8268.54	2.71/2.69	5.7	4776.19
		5.86/5.80	26.5	1210.28
5.0	5291.87	3.39/3.37	9.0	3056.76
		7.32/7.25	41.5	774.58
6.0	3674.91	4.07/4.04	12.9	2122.75
		8.79/8.70	59.7	537.90
7.0	2699.93	4.74/4.72	17.6	1559.57
		10.25/10.15	81.3	395.19
8.0	2067.14	5.42/5.39	23.0	1194.05
		11.72/11.60	106.1	302.57
9.0	1633.29	6.10/6.06	29.1	943.44
		13.18/13.04	134.3	239.07
10.0	1322.97	6.78/6.74	35.9	764.19
		14.65/14.49	165.8	193.64

Beam Angle(B): H37.4 V37.2 Field Angle(F): H72.4 V71.9

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 132296.6 lx

(1%):1323.0 lx	(2%):2645.9 lx
(3%):3968.9 lx	(4%):5291.9 lx
(5%):6614.8 lx	(6%):7937.8 lx
(7%):9260.8 lx	(8%):10583.7 lx
(9%):11906.7 lx	(10%):13229.7 lx

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Area Flux Table

Unit: lm

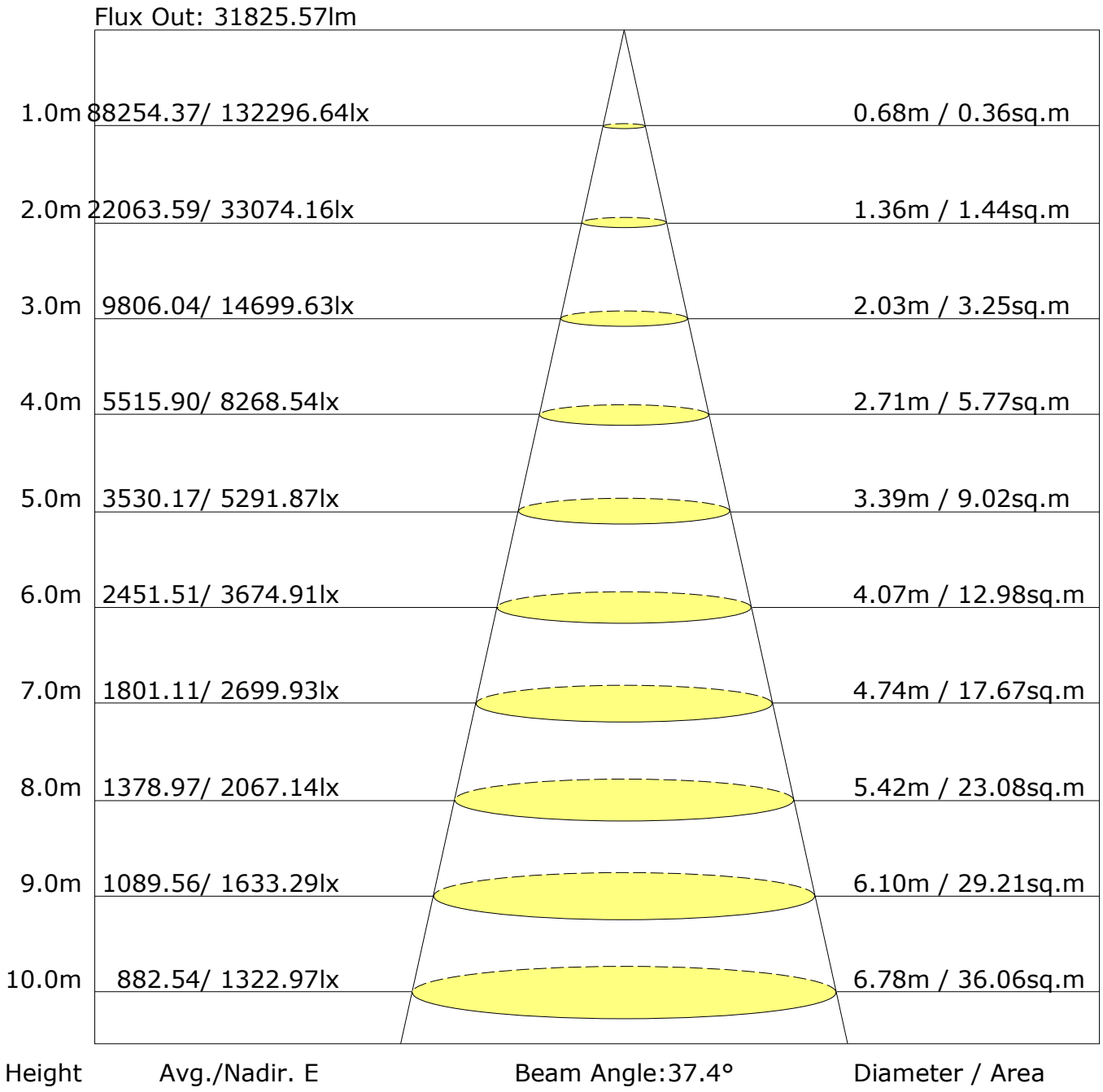
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	0.1	0.2	0.3	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.3	0.1	0.0	7.7	0.0
-90	0.6	0.9	1.7	3.0	4.3	5.6	6.8	7.6	8.0	8.1	7.7	7.0	5.9	4.7	3.3	2.1	1.2	0.9	0.0	79.3	0.0
-80	1.1	2.6	6.3	6.1	10.9	16.2	23.9	26.6	28.1	28.1	26.6	24.0	20.6	16.5	12.0	7.3	3.5	1.7	0.0	276.6	0.0
-70	1.9	6.1	14.9	11.2	25.8	35.8	58.7	71.5	80.0	80.3	72.4	59.8	46.8	35.7	25.5	15.9	7.2	2.5	0.0	687.3	0.0
-60	3.0	11.2	27.5	17.7	44.3	67.3	114.6	134.1	147.4	148.5	136.4	116.5	93.2	65.4	42.8	26.5	12.1	3.4	0.0	1288.0	0.0
-50	4.2	17.7	40.4	24.4	69.7	116.7	200.9	271.3	343.5	352.6	289.2	205.2	149.8	110.1	66.3	38.5	17.8	4.7	0.0	2451.5	607.0
-40	5.4	24.4	52.7	29.0	102.9	160.6	401.7	698.4	970.4	984.5	732.3	411.1	224.8	154.4	99.4	50.4	23.5	5.9	0.0	3335.1	929.2
-30	6.4	29.0	63.0	31.1	127.8	198.1	775.3	1539.7	2260.3	2268.6	1567.2	788.4	331.1	189.1	125.3	60.5	28.0	6.8	0.0	4071.6	1442.1	1460.8
-20	7.1	31.1	68.4	31.2	132.1	218.4	1128.3	2375.2	3497.5	3499.3	2383.8	1138.1	435.9	209.8	128.3	66.4	30.6	7.3	0.0	5280.6	1749.2	1928.1
-10	7.4	31.2	68.7	29.3	133.4	218.4	1156.8	2426.6	3561.0	3578.0	2435.8	1153.3	451.5	212.8	128.2	67.2	31.2	7.3	0.0	5611.8	1913.2	2132.4
0	7.2	29.3	63.6	25.1	131.8	199.0	830.1	1654.2	2413.4	2444.0	1660.7	823.2	361.3	195.1	125.0	62.6	29.7	6.8	0.0	3390.5	1474.2	1832.8
10	6.4	25.1	53.6	19.2	106.6	162.9	446.1	792.9	1095.1	1098.9	780.8	438.6	238.2	159.4	102.3	53.3	25.7	6.0	0.0	2675.8	1209.4	1363.0
20	5.0	19.2	41.3	12.9	72.1	118.3	221.4	319.8	400.1	393.8	303.9	212.1	154.9	116.8	71.4	41.8	19.7	4.8	0.0	2035.9	735.9	307.3
30	3.6	12.9	28.7	8.1	46.5	71.0	123.0	144.3	159.0	157.2	140.2	118.6	96.3	69.9	46.2	29.4	13.2	3.5	0.0	1307.3	307.3	92.1
40	2.5	8.1	17.4	4.0	27.8	38.6	64.7	77.4	84.8	84.2	75.8	62.5	49.0	37.9	27.5	17.1	7.7	2.3	0.0	735.9	307.3	92.1
50	1.7	4.0	8.7	1.3	13.3	18.3	26.3	29.4	31.4	31.3	29.1	25.9	22.2	17.8	12.8	7.8	3.6	1.3	0.0	307.3	92.1	8.6
60	0.7	1.3	2.5	0.4	4.0	5.4	8.0	8.8	9.3	9.2	8.8	7.9	6.6	5.1	3.6	2.3	1.1	0.6	0.0	92.1	8.6	75173
70	0.1	0.2	0.3	0.0	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	8.6	75173	59032
80	64.5	254.3	559.8	1052.7	1650.3	2735.5	4507.1	5722.5	6312.7	6389.6	5803.7	4536.0	3866.0	2689.4	1601.5	1020.6	549.6	256.3	65.9	59032	59032	59032
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59032	59032	59032

Flux(E) Flux(T) Flux(E)

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

UGR Table

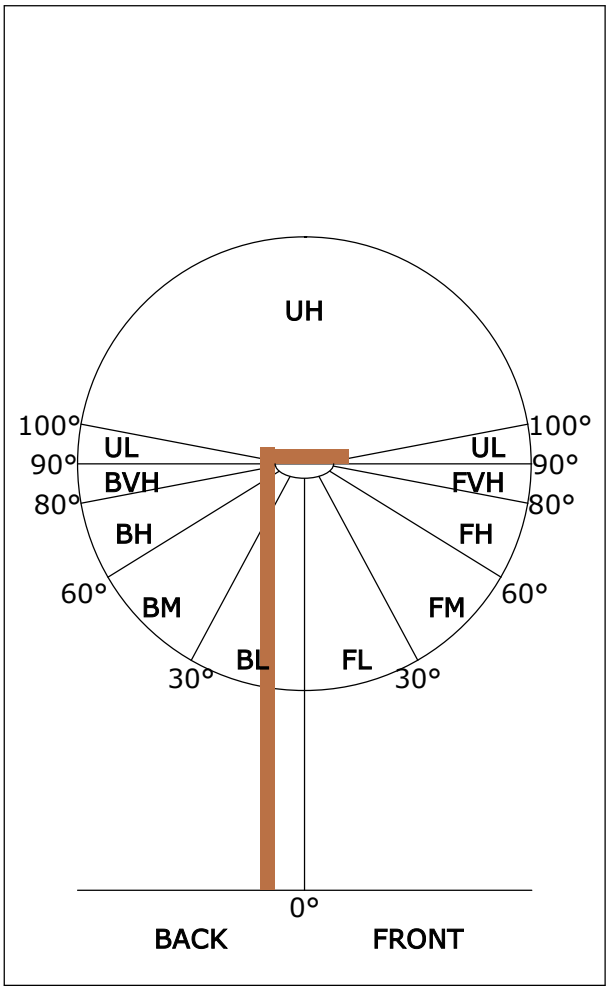
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 75197lm (8log(F/F0) = 15.0).

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



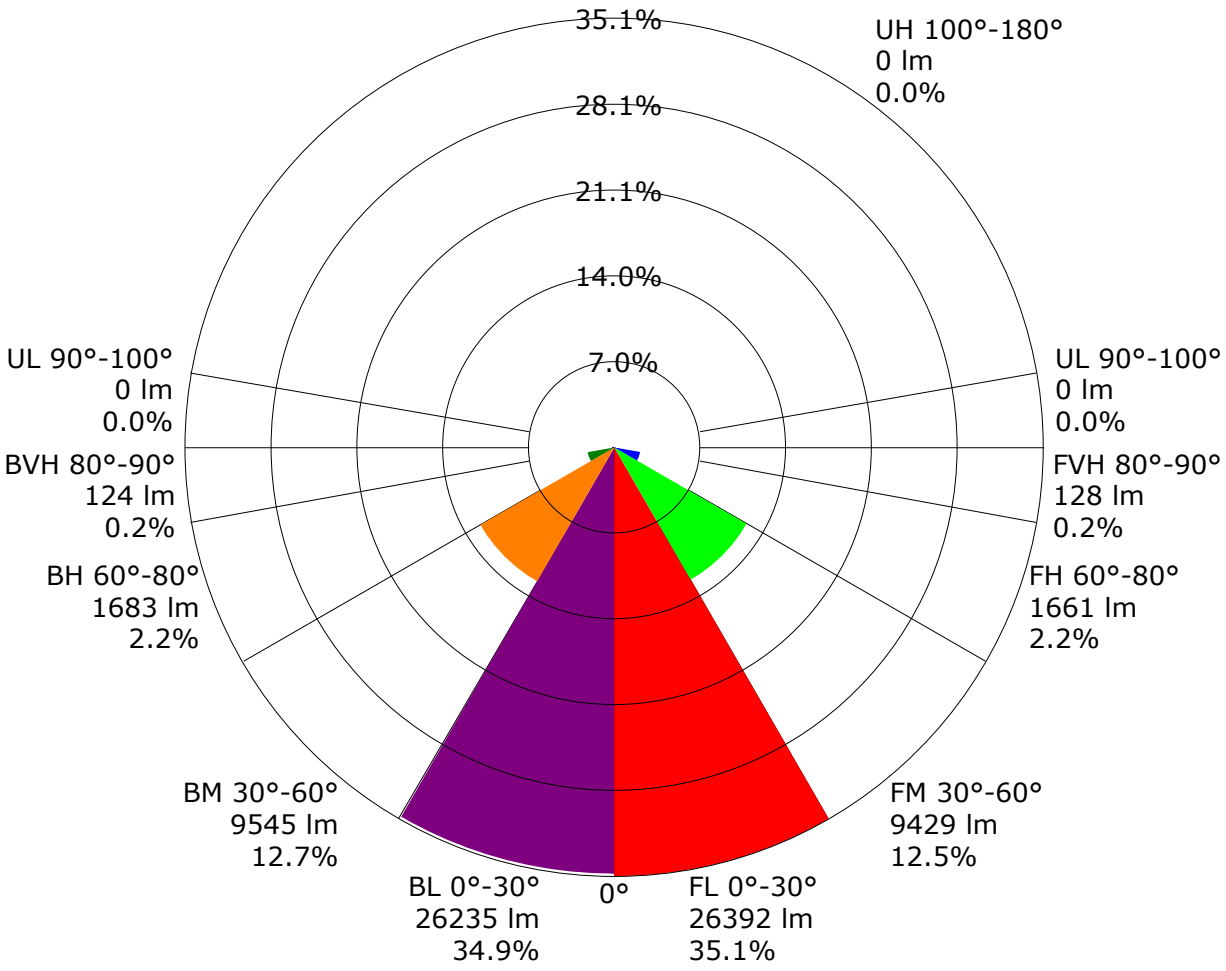
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	37610	50.0
FL (0°-30°)	26392	35.1
FM (30°-60°)	9429	12.5
FH (60°-80°)	1661	2.2
FVH (80°-90°)	128	0.2
BACK LIGHT	37587	50.0
BL (0°-30°)	26235	34.9
BM (30°-60°)	9545	12.7
BH (60°-80°)	1683	2.2
BVH (80°-90°)	124	0.2
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B5 U2 G3
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B5 U2 G1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

LCS Graph



Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

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	0.82	0.89	0.93	0.96	1.01	1.04	1.06	1.09	1.10
	0.30		0.77	0.84	0.89	0.92	0.97	1.01	1.03	1.06	1.08
	0.20		0.73	0.80	0.85	0.89	0.94	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.81	0.87	0.91	0.94	0.98	1.01	1.02	1.05	1.06
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	1.03	1.04
	0.20		0.73	0.79	0.84	0.87	0.92	0.95	0.98	1.01	1.03
0.30	0.50	0.20	0.79	0.85	0.89	0.92	0.95	0.98	0.99	1.01	1.03
	0.30		0.75	0.82	0.86	0.89	0.93	0.95	0.97	1.00	1.01
	0.20		0.72	0.79	0.83	0.86	0.91	0.93	0.96	0.98	1.00
0.00	0.00	0.00	0.71	0.77	0.81	0.84	0.87	0.90	0.92	0.94	0.95

Rating:483W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

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	0.64	0.52	0.44	0.38	0.30	0.25	0.21	0.16	0.13
	0.30		0.53	0.44	0.38	0.33	0.27	0.23	0.19	0.15	0.13
	0.20		0.45	0.39	0.34	0.30	0.25	0.21	0.18	0.14	0.12
0.50	0.50	0.20	0.61	0.49	0.41	0.36	0.28	0.27	0.20	0.15	0.12
	0.30		0.51	0.43	0.36	0.32	0.26	0.21	0.18	0.14	0.12
	0.20		0.45	0.38	0.33	0.29	0.24	0.20	0.17	0.14	0.11
0.30	0.50	0.20	0.58	0.47	0.39	0.34	0.26	0.21	0.18	0.14	0.11
	0.30		0.50	0.41	0.35	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.44	0.37	0.32	0.28	0.22	0.19	0.16	0.13	0.10
0.00	0.00	0.00	0.30	0.25	0.21	0.18	0.14	0.11	0.10	0.07	0.06

Rating:483W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

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	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.17	0.17	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	0.13	0.14	0.15	0.16	0.18	0.18	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.17
0.30	0.50	0.20	0.12	0.14	0.15	0.16	0.17	0.18	0.18	0.19	0.19
	0.30		0.09	0.10	0.12	0.13	0.14	0.16	0.16	0.17	0.18
	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	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:483W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	132170.9	126.5	126.5	0.17	0.17
1.0-2.0	131673.4	378.0	504.5	0.50	0.67
2.0-3.0	130674.6	625.1	1129.5	0.83	1.50
3.0-4.0	129184.5	864.8	1994.4	1.15	2.65
4.0-5.0	127223.6	1094.6	3089.0	1.46	4.11
5.0-6.0	124788.4	1311.6	4400.6	1.74	5.85
6.0-7.0	121898.0	1513.2	5913.8	2.01	7.86
7.0-8.0	118610.3	1697.7	7611.6	2.26	10.12
8.0-9.0	114966.7	1863.5	9475.0	2.48	12.60
9.0-10.0	111012.2	2009.2	11484.3	2.67	15.27
10.0-11.0	106731.1	2132.9	13617.2	2.84	18.11
11.0-12.0	102210.2	2234.6	15851.8	2.97	21.08
12.0-13.0	97496.2	2314.1	18165.9	3.08	24.16
13.0-14.0	92583.9	2370.1	20536.0	3.15	27.31
14.0-15.0	87565.0	2404.3	22940.3	3.20	30.51
15.0-16.0	82504.0	2417.8	25358.1	3.22	33.72
16.0-17.0	77338.6	2408.7	27766.8	3.20	36.93
17.0-18.0	72146.6	2379.1	30145.9	3.16	40.09
18.0-19.0	67042.5	2332.8	32478.7	3.10	43.19
19.0-20.0	62013.9	2270.1	34748.8	3.02	46.21
20.0-21.0	57226.9	2197.7	36946.5	2.92	49.13
21.0-22.0	52710.5	2118.5	39065.0	2.82	51.95
22.0-23.0	48368.4	2029.8	41094.8	2.70	54.65
23.0-24.0	44270.1	1935.8	43030.6	2.57	57.22
24.0-25.0	40474.5	1840.6	44871.2	2.45	59.67
25.0-26.0	36907.0	1742.4	46613.6	2.32	61.99
26.0-27.0	33608.6	1644.5	48258.1	2.19	64.18
27.0-28.0	30604.3	1549.7	49807.8	2.06	66.24
28.0-29.0	27825.7	1456.0	51263.8	1.94	68.17
29.0-30.0	25238.2	1362.9	52626.6	1.81	69.98
30.0-31.0	22857.2	1272.2	53898.8	1.69	71.68
31.0-32.0	20685.4	1185.2	55084.0	1.58	73.25
32.0-33.0	18700.0	1101.8	56185.8	1.47	74.72
33.0-34.0	16912.2	1023.6	57209.4	1.36	76.08
34.0-35.0	15309.5	950.9	58160.4	1.26	77.34
35.0-36.0	13884.3	884.2	59044.5	1.18	78.52

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	12645.8	824.9	59869.4	1.10	79.62
37.0-38.0	11562.6	771.9	60641.3	1.03	80.64
38.0-39.0	10622.6	725.2	61366.4	0.96	81.61
39.0-40.0	9817.1	684.8	62051.2	0.91	82.52
40.0-41.0	9120.7	649.6	62700.8	0.86	83.38
41.0-42.0	8537.0	620.3	63321.1	0.82	84.21
42.0-43.0	8040.6	595.7	63916.8	0.79	85.00
43.0-44.0	7608.6	574.3	64491.1	0.76	85.76
44.0-45.0	7213.0	554.4	65045.5	0.74	86.50
45.0-46.0	6833.1	534.5	65580.0	0.71	87.21
46.0-47.0	6500.3	517.1	66097.1	0.69	87.90
47.0-48.0	6216.0	502.6	66599.6	0.67	88.57
48.0-49.0	5968.9	490.2	67089.9	0.65	89.22
49.0-50.0	5749.8	479.5	67569.3	0.64	89.86
50.0-51.0	5545.8	469.3	68038.6	0.62	90.48
51.0-52.0	5354.3	459.5	68498.1	0.61	91.09
52.0-53.0	5160.0	448.9	68947.0	0.60	91.69
53.0-54.0	4955.1	436.8	69383.8	0.58	92.27
54.0-55.0	4722.2	421.6	69805.4	0.56	92.83
55.0-56.0	4452.7	402.4	70207.8	0.54	93.37
56.0-57.0	4165.3	380.9	70588.7	0.51	93.87
57.0-58.0	3881.3	359.0	70947.7	0.48	94.35
58.0-59.0	3610.4	337.6	71285.2	0.45	94.80
59.0-60.0	3341.0	315.7	71600.9	0.42	95.22
60.0-61.0	3076.0	293.6	71894.5	0.39	95.61
61.0-62.0	2835.5	273.3	72167.8	0.36	95.97
62.0-63.0	2625.5	255.4	72423.1	0.34	96.31
63.0-64.0	2440.8	239.5	72662.7	0.32	96.63
64.0-65.0	2283.0	226.0	72888.7	0.30	96.93
65.0-66.0	2143.4	213.9	73102.5	0.28	97.21
66.0-67.0	2010.0	202.1	73304.7	0.27	97.48
67.0-68.0	1882.7	190.7	73495.4	0.25	97.74
68.0-69.0	1765.1	180.1	73675.5	0.24	97.98
69.0-70.0	1654.3	169.9	73845.4	0.23	98.20
70.0-71.0	1542.6	159.5	74004.9	0.21	98.41
71.0-72.0	1430.4	148.8	74153.7	0.20	98.61

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	1322.2	138.3	74291.9	0.18	98.80
73.0-74.0	1211.1	127.3	74419.3	0.17	98.97
74.0-75.0	1091.9	115.4	74534.7	0.15	99.12
75.0-76.0	978.3	103.9	74638.5	0.14	99.26
76.0-77.0	871.6	92.9	74731.5	0.12	99.38
77.0-78.0	761.0	81.5	74812.9	0.11	99.49
78.0-79.0	656.9	70.6	74883.5	0.09	99.58
79.0-80.0	571.4	61.6	74945.1	0.08	99.66
80.0-81.0	488.2	52.8	74997.9	0.07	99.74
81.0-82.0	412.0	44.7	75042.6	0.06	99.79
82.0-83.0	338.1	36.8	75079.4	0.05	99.84
83.0-84.0	264.2	28.8	75108.2	0.04	99.88
84.0-85.0	205.2	22.4	75130.6	0.03	99.91
85.0-86.0	159.6	17.4	75148.0	0.02	99.93
86.0-87.0	137.7	15.1	75163.1	0.02	99.95
87.0-88.0	126.1	13.8	75176.9	0.02	99.97
88.0-89.0	121.6	13.3	75190.2	0.02	99.99
89.0-90.0	62.3	6.8	75197.0	0.01	100.00
90.0-91.0	0.0	0.0	75197.0	0.00	100.00
91.0-92.0	0.0	0.0	75197.0	0.00	100.00
92.0-93.0	0.0	0.0	75197.0	0.00	100.00
93.0-94.0	0.0	0.0	75197.0	0.00	100.00
94.0-95.0	0.0	0.0	75197.0	0.00	100.00
95.0-96.0	0.0	0.0	75197.0	0.00	100.00
96.0-97.0	0.0	0.0	75197.0	0.00	100.00
97.0-98.0	0.0	0.0	75197.0	0.00	100.00
98.0-99.0	0.0	0.0	75197.0	0.00	100.00
99.0-100.0	0.0	0.0	75197.0	0.00	100.00
100.0-101.0	0.0	0.0	75197.0	0.00	100.00
101.0-102.0	0.0	0.0	75197.0	0.00	100.00
102.0-103.0	0.0	0.0	75197.0	0.00	100.00
103.0-104.0	0.0	0.0	75197.0	0.00	100.00
104.0-105.0	0.0	0.0	75197.0	0.00	100.00
105.0-106.0	0.0	0.0	75197.0	0.00	100.00
106.0-107.0	0.0	0.0	75197.0	0.00	100.00
107.0-108.0	0.0	0.0	75197.0	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	75197.0	0.00	100.00
109.0-110.0	0.0	0.0	75197.0	0.00	100.00
110.0-111.0	0.0	0.0	75197.0	0.00	100.00
111.0-112.0	0.0	0.0	75197.0	0.00	100.00
112.0-113.0	0.0	0.0	75197.0	0.00	100.00
113.0-114.0	0.0	0.0	75197.0	0.00	100.00
114.0-115.0	0.0	0.0	75197.0	0.00	100.00
115.0-116.0	0.0	0.0	75197.0	0.00	100.00
116.0-117.0	0.0	0.0	75197.0	0.00	100.00
117.0-118.0	0.0	0.0	75197.0	0.00	100.00
118.0-119.0	0.0	0.0	75197.0	0.00	100.00
119.0-120.0	0.0	0.0	75197.0	0.00	100.00
120.0-121.0	0.0	0.0	75197.0	0.00	100.00
121.0-122.0	0.0	0.0	75197.0	0.00	100.00
122.0-123.0	0.0	0.0	75197.0	0.00	100.00
123.0-124.0	0.0	0.0	75197.0	0.00	100.00
124.0-125.0	0.0	0.0	75197.0	0.00	100.00
125.0-126.0	0.0	0.0	75197.0	0.00	100.00
126.0-127.0	0.0	0.0	75197.0	0.00	100.00
127.0-128.0	0.0	0.0	75197.0	0.00	100.00
128.0-129.0	0.0	0.0	75197.0	0.00	100.00
129.0-130.0	0.0	0.0	75197.0	0.00	100.00
130.0-131.0	0.0	0.0	75197.0	0.00	100.00
131.0-132.0	0.0	0.0	75197.0	0.00	100.00
132.0-133.0	0.0	0.0	75197.0	0.00	100.00
133.0-134.0	0.0	0.0	75197.0	0.00	100.00
134.0-135.0	0.0	0.0	75197.0	0.00	100.00
135.0-136.0	0.0	0.0	75197.0	0.00	100.00
136.0-137.0	0.0	0.0	75197.0	0.00	100.00
137.0-138.0	0.0	0.0	75197.0	0.00	100.00
138.0-139.0	0.0	0.0	75197.0	0.00	100.00
139.0-140.0	0.0	0.0	75197.0	0.00	100.00
140.0-141.0	0.0	0.0	75197.0	0.00	100.00
141.0-142.0	0.0	0.0	75197.0	0.00	100.00
142.0-143.0	0.0	0.0	75197.0	0.00	100.00
143.0-144.0	0.0	0.0	75197.0	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.0	0.0	75197.0	0.00	100.00
145.0-146.0	0.0	0.0	75197.0	0.00	100.00
146.0-147.0	0.0	0.0	75197.0	0.00	100.00
147.0-148.0	0.0	0.0	75197.0	0.00	100.00
148.0-149.0	0.0	0.0	75197.0	0.00	100.00
149.0-150.0	0.0	0.0	75197.0	0.00	100.00
150.0-151.0	0.0	0.0	75197.0	0.00	100.00
151.0-152.0	0.0	0.0	75197.0	0.00	100.00
152.0-153.0	0.0	0.0	75197.0	0.00	100.00
153.0-154.0	0.0	0.0	75197.0	0.00	100.00
154.0-155.0	0.0	0.0	75197.0	0.00	100.00
155.0-156.0	0.0	0.0	75197.0	0.00	100.00
156.0-157.0	0.0	0.0	75197.0	0.00	100.00
157.0-158.0	0.0	0.0	75197.0	0.00	100.00
158.0-159.0	0.0	0.0	75197.0	0.00	100.00
159.0-160.0	0.0	0.0	75197.0	0.00	100.00
160.0-161.0	0.0	0.0	75197.0	0.00	100.00
161.0-162.0	0.0	0.0	75197.0	0.00	100.00
162.0-163.0	0.0	0.0	75197.0	0.00	100.00
163.0-164.0	0.0	0.0	75197.0	0.00	100.00
164.0-165.0	0.0	0.0	75197.0	0.00	100.00
165.0-166.0	0.0	0.0	75197.0	0.00	100.00
166.0-167.0	0.0	0.0	75197.0	0.00	100.00
167.0-168.0	0.0	0.0	75197.0	0.00	100.00
168.0-169.0	0.0	0.0	75197.0	0.00	100.00
169.0-170.0	0.0	0.0	75197.0	0.00	100.00
170.0-171.0	0.0	0.0	75197.0	0.00	100.00
171.0-172.0	0.0	0.0	75197.0	0.00	100.00
172.0-173.0	0.0	0.0	75197.0	0.00	100.00
173.0-174.0	0.0	0.0	75197.0	0.00	100.00
174.0-175.0	0.0	0.0	75197.0	0.00	100.00
175.0-176.0	0.0	0.0	75197.0	0.00	100.00
176.0-177.0	0.0	0.0	75197.0	0.00	100.00
177.0-178.0	0.0	0.0	75197.0	0.00	100.00
178.0-179.0	0.0	0.0	75197.0	0.00	100.00
179.0-180.0	0.0	0.0	75197.0	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 65045.55 lm

%lum = 86.5%
%lamp = 86.5%

cone flux(120°): 71600.91 lm

%lum = 95.2%
%lamp = 95.2%

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6
G1.0	132371.0	132296.6	132228.6	132114.2	132033.9	131945.0	131884.7	131931.5	131737.5	131808.2
G2.0	131947.6	131847.0	131674.1	131439.8	131290.9	131085.4	130962.7	131064.3	130819.7	130792.3
G3.0	130994.2	130921.7	130643.1	130286.4	129889.4	129727.6	129553.6	129509.3	129223.1	129398.0
G4.0	129672.4	129407.8	129171.2	128647.6	128098.5	127884.6	127716.2	127673.9	127261.4	127460.3
G5.0	127827.0	127748.2	127229.1	126520.1	125866.4	125569.5	125336.1	125339.7	124808.4	125027.5
G6.0	125622.8	125247.5	124836.4	124044.0	123180.1	122531.5	122537.5	122536.0	121951.4	122235.7
G7.0	122969.5	122530.1	121801.7	120782.7	120130.5	119428.4	119075.2	119341.2	118742.2	118719.2
G8.0	119883.0	119395.3	118501.2	117384.5	116639.6	115846.7	115452.7	115758.3	114718.5	115112.1
G9.0	116324.7	115810.9	114840.8	113628.0	112808.1	111884.0	111362.6	111673.5	110727.1	111136.3
G10.0	112456.2	111941.8	110904.8	109682.5	108739.7	107716.1	107161.4	107334.3	106451.4	106921.0
G11.0	107967.1	107804.2	106813.2	105548.0	104048.4	103437.5	102760.8	102424.7	101849.2	102427.6
G12.0	103662.3	103123.1	102530.3	101107.3	99610.2	98504.5	98252.3	97850.8	97108.0	97668.9
G13.0	98714.3	98678.2	97611.9	96083.4	94931.9	93786.4	93132.4	92670.6	92337.8	92470.1
G14.0	94406.2	93767.4	92729.2	91173.5	89925.9	88768.7	88091.0	87607.7	86856.5	87442.9
G15.0	89251.3	88607.5	87564.5	86002.9	84822.6	83718.4	83281.7	82760.0	81520.7	82147.2
G16.0	83980.2	83373.3	82811.4	80972.5	79836.1	78788.6	78165.0	77599.3	76630.9	77210.5
G17.0	78873.8	78316.9	77179.8	75746.6	74272.1	73790.5	73068.0	72425.6	71437.3	71966.5
G18.0	73699.6	73228.2	72021.5	70722.6	69350.5	68841.1	67663.7	67421.4	66327.7	66809.9
G19.0	68166.6	67748.0	66970.2	65688.9	64415.9	63504.3	62926.3	62055.3	61479.9	61443.0
G20.0	63257.4	62850.2	61575.2	60300.1	59659.7	58887.1	57898.0	57383.6	56266.9	56626.0
G21.0	58509.8	57897.4	56812.5	55546.6	55082.0	54426.3	53585.6	52519.6	51655.0	51974.0
G22.0	53523.0	53171.0	52279.9	51122.2	50773.5	50235.6	49338.7	48343.5	47363.1	47639.1
G23.0	49214.9	48771.3	47828.5	47004.0	46358.0	45856.1	45300.9	44310.8	43242.4	43459.4
G24.0	44965.0	44261.7	43688.2	43058.5	42565.4	41984.6	41590.2	40535.6	39474.1	39638.9
G25.0	41006.0	40386.1	39833.3	39350.8	38931.8	38708.9	38127.9	37027.8	35738.0	35802.1
G26.0	37308.7	36717.6	35910.2	35939.6	35489.6	34912.3	34515.2	33816.6	32606.3	32576.8
G27.0	34222.3	33304.7	32937.2	32707.6	32274.4	31978.5	31464.8	30807.6	29658.9	29590.8
G28.0	31016.3	30176.4	29876.6	29804.7	29575.2	28963.3	28630.2	28065.9	27008.7	26850.8
G29.0	28227.2	27352.2	27136.9	27146.1	26811.0	26179.3	26008.2	25558.9	24568.7	24317.7
G30.0	25463.9	24783.6	24624.3	24735.2	24121.5	23672.1	23536.5	23299.7	22109.2	21720.0
G31.0	23198.4	22386.4	22315.8	22490.4	21824.5	21080.2	21270.8	21148.0	20144.3	19646.3
G32.0	21081.5	20183.4	20208.4	20463.9	19725.4	18927.9	19106.4	19192.0	18298.9	17734.4
G33.0	19174.7	18213.2	18292.3	18593.7	17756.1	16997.0	17131.7	17389.2	16628.0	15971.3
G34.0	17416.5	16595.7	16548.0	16746.4	16033.4	15264.7	15346.6	15716.8	15157.5	14470.3
G35.0	15884.6	14881.1	15050.1	15270.5	14479.4	13783.2	13859.0	14331.2	13687.0	12988.7
G36.0	14546.6	13480.4	13617.1	13915.2	13029.2	12425.4	12567.6	12978.3	12520.3	11820.8

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	13286.2	12312.5	12407.8	12735.7	11838.5	11305.3	11436.4	11850.3	11469.9	10902.1
G38.0	12168.0	11219.1	11324.9	11566.1	10816.5	10380.5	10494.8	10836.4	10552.1	9963.9
G39.0	11120.9	10248.6	10485.2	10637.6	9898.4	9651.2	9661.1	9939.9	9792.6	9326.6
G40.0	10173.9	9401.0	9613.0	9826.3	9226.8	8996.7	9004.0	9245.5	8965.2	8660.2
G41.0	9391.8	8702.2	8896.5	9031.3	8636.4	8511.5	8441.6	8544.6	8367.3	8184.6
G42.0	8693.7	8126.4	8299.9	8493.7	8094.6	8032.9	7938.1	8065.4	7924.5	7741.4
G43.0	8128.2	7683.2	7862.3	7979.0	7676.1	7603.1	7519.6	7576.4	7514.1	7333.8
G44.0	7611.1	7269.1	7388.9	7594.5	7290.0	7290.5	7189.4	7198.2	7129.5	6952.1
G45.0	7229.7	6871.2	7019.3	7216.6	6855.2	6883.5	6787.3	6787.5	6780.5	6560.6
G46.0	6816.0	6508.9	6717.8	6812.6	6491.9	6538.3	6424.4	6415.8	6479.9	6250.1
G47.0	6534.8	6214.5	6380.6	6558.5	6225.8	6300.6	6169.4	6106.1	6211.7	5991.3
G48.0	6221.3	5929.8	6153.6	6258.7	5898.2	6095.5	5865.3	5855.1	5998.3	5745.4
G49.0	6014.5	5729.2	5887.8	6046.9	5667.8	5870.8	5685.5	5613.8	5781.8	5525.4
G50.0	5833.5	5476.9	5686.8	5831.9	5411.5	5724.3	5466.4	5388.9	5684.9	5308.7
G51.0	5665.5	5260.2	5479.3	5652.7	5113.0	5571.2	5253.9	5180.2	5533.0	5095.2
G52.0	5526.5	5046.7	5300.9	5473.5	4879.4	5431.2	5080.7	4929.2	5410.2	4855.8
G53.0	5364.9	4774.9	5122.6	5281.3	4619.9	5307.5	4851.8	4743.4	5229.2	4597.0
G54.0	5267.9	4516.1	4921.6	5121.7	4337.6	5131.7	4613.1	4515.2	5067.6	4328.5
G55.0	5032.0	4267.0	4691.4	4864.3	4087.8	4897.2	4318.9	4192.4	4828.4	4066.4
G56.0	4822.0	3937.0	4415.8	4554.8	3825.0	4643.2	4063.9	3921.9	4547.2	3765.6
G57.0	4569.9	3739.7	4081.9	4235.5	3559.0	4317.6	3727.1	3615.4	4259.6	3532.7
G58.0	4295.2	3484.1	3809.5	3932.5	3331.9	4011.6	3478.6	3419.8	3917.0	3280.3
G59.0	4010.7	3273.9	3572.9	3616.4	3166.4	3620.8	3223.6	3204.6	3542.1	3128.3
G60.0	3677.9	3076.5	3242.2	3355.8	2984.8	3291.9	2978.4	2992.7	3186.6	2927.7
G61.0	3303.0	2892.1	3024.9	3020.2	2799.8	2898.0	2782.3	2764.5	2866.7	2795.1
G62.0	3008.9	2736.8	2830.4	2740.0	2647.4	2621.2	2550.1	2601.5	2569.3	2613.9
G63.0	2682.5	2591.3	2564.6	2547.8	2478.7	2442.1	2370.3	2471.1	2362.5	2461.9
G64.0	2440.1	2423.0	2386.2	2365.4	2277.5	2246.7	2239.5	2308.1	2223.5	2316.3
G65.0	2310.8	2293.6	2266.3	2228.5	2199.6	2116.5	2053.2	2187.5	2081.3	2170.7
G66.0	2126.6	2154.5	2110.7	2101.5	2060.1	1966.7	1987.8	2034.3	1955.3	2021.9
G67.0	2007.0	2044.5	2006.9	1938.5	1923.9	1901.6	1837.4	1943.0	1845.4	1856.9
G68.0	1874.5	1902.2	1854.5	1853.8	1820.1	1755.1	1690.3	1789.8	1709.7	1769.6
G69.0	1790.5	1763.1	1780.0	1746.3	1661.1	1644.3	1605.3	1649.6	1628.9	1688.7
G70.0	1654.7	1672.5	1637.3	1622.5	1563.8	1546.7	1487.6	1577.9	1522.2	1572.2
G71.0	1577.2	1514.0	1527.1	1515.0	1443.7	1471.8	1389.5	1444.2	1389.7	1439.6
G72.0	1441.4	1429.9	1436.3	1401.0	1359.4	1305.7	1298.0	1326.8	1308.9	1329.6
G73.0	1409.1	1319.9	1348.7	1319.5	1200.4	1221.0	1190.1	1229.0	1202.3	1213.1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	1205.5	1209.9	1222.3	1225.0	1106.3	1116.9	1072.4	1088.9	1108.5	1067.6
G75.0	1176.4	1087.0	1079.6	1062.1	992.8	986.6	971.0	1046.5	969.6	883.2
G76.0	1008.3	944.6	995.3	967.6	931.1	885.7	892.5	938.9	833.8	815.2
G77.0	866.1	854.0	872.1	856.9	798.1	748.9	794.5	828.1	740.1	676.1
G78.0	772.4	757.0	677.6	781.9	739.7	680.5	670.2	700.9	643.1	605.0
G79.0	646.4	630.8	632.2	667.9	597.0	586.1	562.3	625.9	530.0	530.5
G80.0	597.9	575.8	577.1	563.6	548.3	530.7	506.8	531.4	465.4	449.7
G81.0	332.9	472.3	476.6	381.2	525.6	449.3	389.1	449.9	397.5	407.6
G82.0	404.0	440.0	382.6	423.5	360.1	341.9	366.2	391.2	329.7	281.4
G83.0	320.0	278.2	278.8	329.1	288.7	315.8	300.8	306.4	248.9	223.2
G84.0	245.6	255.6	249.6	237.8	217.4	267.0	255.0	231.5	206.8	155.3
G85.0	187.5	184.4	197.8	182.5	155.7	201.9	140.6	202.1	116.4	139.1
G86.0	142.2	126.2	152.4	143.4	146.0	182.3	150.4	127.1	113.1	93.8
G87.0	132.5	84.1	123.2	156.4	155.7	117.2	153.7	159.7	103.4	90.6
G88.0	0.0	126.2	142.7	130.3	139.5	149.8	107.9	172.8	100.2	97.1
G89.0	71.1	100.3	126.4	149.9	152.5	123.7	150.4	153.2	80.8	80.9
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6	132296.6			
G1.0	131884.9	131977.3	131994.9	132137.1	132162.6	132215.1	132371.0			
G2.0	130977.1	131159.6	131174.1	131394.7	131534.9	131660.9	131947.6			
G3.0	129621.8	129833.6	129879.6	130196.4	130420.0	130663.4	130994.2			
G4.0	127751.1	128031.8	128059.6	128513.0	128831.1	128961.6	129672.4			
G5.0	125397.3	125464.5	125778.8	126354.2	126787.7	126959.9	127827.0			
G6.0	122323.7	122721.2	123118.5	123788.4	124054.5	124485.5	125622.8			
G7.0	119201.5	119606.5	119760.6	120568.0	121170.9	121691.7	122969.5			
G8.0	115628.7	116117.1	116282.7	117211.0	117891.6	118187.1	119883.0			
G9.0	111751.0	112233.5	112483.6	113482.7	114243.0	114535.8	116324.7			
G10.0	107610.8	107770.0	108399.0	109516.7	110293.5	110565.1	112456.2			
G11.0	102637.3	103286.9	103944.6	105150.3	105552.9	106278.1	107967.1			
G12.0	97965.3	98686.5	99370.1	100578.7	101060.7	101717.2	103662.3			
G13.0	93283.6	94063.4	94224.6	95482.8	96493.3	97117.3	98714.3			
G14.0	88300.4	89140.4	89335.4	90663.7	91618.7	91774.1	94406.2			
G15.0	83057.8	83973.2	84277.5	85662.3	86623.0	87206.7	89251.3			
G16.0	78019.5	78483.3	79378.6	80908.4	81807.2	81687.4	83980.2			
G17.0	72232.2	73263.9	74262.4	75737.6	76085.7	76523.5	78873.8			
G18.0	67035.1	68090.1	69201.2	70719.9	71021.4	71356.3	73699.6			
G19.0	62110.2	63216.1	63981.1	65461.3	66215.4	66466.2	68166.6			
G20.0	57272.9	57973.9	59306.1	60772.4	61445.3	61119.7	63257.4			
G21.0	52646.3	53842.6	54728.3	56194.3	56809.3	56438.2	58509.8			
G22.0	48292.1	49138.0	50488.0	51876.7	52480.6	52004.5	53523.0			
G23.0	43723.9	45078.5	46335.3	47656.7	47838.0	47740.4	49214.9			
G24.0	39930.5	41289.4	42487.5	43687.5	43980.1	43785.9	44965.0			
G25.0	36497.1	37891.2	38623.6	39734.6	40419.7	40183.5	41006.0			
G26.0	33300.3	34395.3	35369.5	36318.9	37078.4	36506.2	37308.7			
G27.0	30035.4	31433.7	32267.9	33069.3	33576.8	33383.1	34222.3			
G28.0	27328.2	28697.0	29429.2	30080.1	30611.5	30510.9	31016.3			
G29.0	24838.2	26181.7	26755.9	27003.1	27865.2	27847.5	28227.2			
G30.0	22565.5	23832.7	24261.0	24421.0	25292.2	25386.1	25463.9			
G31.0	20441.9	21688.9	21801.8	22057.0	22944.7	23166.0	23198.4			
G32.0	18587.3	19567.9	19770.9	19989.4	20558.1	20932.9	21081.5			
G33.0	16661.5	17792.3	17863.2	17977.1	18580.1	19048.6	19174.7			
G34.0	15134.4	16189.3	16182.6	16238.3	16719.8	17359.8	17416.5			
G35.0	13750.0	14713.4	14651.3	14532.1	15117.7	15804.8	15884.6			
G36.0	12563.4	13494.9	13230.3	13213.4	13689.0	14422.5	14546.6			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	11555.1	12221.0	12133.7	12119.3	12498.9	13079.4	13286.2			
G38.0	10569.5	11266.4	11147.5	11165.3	11338.3	12042.7	12168.0			
G39.0	9810.8	10416.0	10342.9	10308.9	10413.1	11019.0	11120.9			
G40.0	9172.1	9738.3	9599.9	9641.4	9693.8	10116.0	10173.9			
G41.0	8601.5	9132.3	8925.1	9058.6	9026.8	9336.8	9391.8			
G42.0	8202.7	8614.3	8428.7	8586.4	8493.9	8658.7	8693.7			
G43.0	7677.4	8122.3	7968.0	8176.1	7993.7	8091.5	8128.2			
G44.0	7353.2	7711.8	7575.5	7726.8	7653.7	7635.1	7611.1			
G45.0	6935.0	7353.4	7088.8	7345.8	7294.0	7237.3	7229.7			
G46.0	6601.1	6962.5	6715.7	6961.6	6908.3	6807.0	6816.0			
G47.0	6332.0	6568.2	6365.3	6593.7	6551.9	6494.0	6534.8			
G48.0	6079.1	6340.2	6050.6	6352.7	6254.4	6213.7	6221.3			
G49.0	5868.3	6148.0	5800.8	6147.6	5992.8	5910.5	6014.5			
G50.0	5683.5	5900.3	5525.1	5945.7	5790.1	5643.2	5833.5			
G51.0	5537.6	5711.4	5275.3	5805.7	5620.1	5408.4	5665.5			
G52.0	5398.2	5555.0	5044.9	5642.9	5371.6	5229.1	5526.5			
G53.0	5161.5	5395.3	4808.1	5519.1	5165.7	5000.9	5364.9			
G54.0	4986.5	5193.3	4512.8	5346.6	4992.4	4766.2	5267.9			
G55.0	4691.4	4978.3	4214.4	5170.7	4704.7	4485.9	5032.0			
G56.0	4370.4	4642.7	3954.8	4913.5	4390.8	4225.0	4822.0			
G57.0	4017.0	4382.1	3698.5	4597.7	4041.0	3921.9	4569.9			
G58.0	3696.1	4056.3	3451.9	4255.8	3818.7	3664.3	4295.2			
G59.0	3433.5	3684.9	3289.7	3865.0	3566.9	3429.6	4010.7			
G60.0	3148.1	3394.9	3030.2	3513.4	3249.8	3230.7	3677.9			
G61.0	2885.5	3007.2	2926.4	3168.2	3037.3	2979.7	3303.0			
G62.0	2681.3	2821.5	2715.5	2849.1	2775.7	2823.2	3008.9			
G63.0	2525.6	2547.8	2563.0	2595.1	2615.5	2611.3	2682.5			
G64.0	2344.1	2368.6	2384.6	2416.0	2409.6	2526.6	2440.1			
G65.0	2182.0	2228.5	2258.0	2223.9	2239.5	2340.7	2310.8			
G66.0	2058.8	2094.9	2079.6	2110.0	2138.2	2207.1	2126.6			
G67.0	1883.7	1922.3	1979.0	1979.7	1981.3	2060.4	2007.0			
G68.0	1802.6	1857.1	1810.3	1829.9	1860.3	1956.0	1874.5			
G69.0	1718.3	1681.2	1687.0	1725.7	1742.6	1835.4	1790.5			
G70.0	1543.3	1638.8	1550.8	1650.9	1608.5	1740.9	1654.7			
G71.0	1475.2	1492.2	1459.9	1530.4	1530.1	1574.6	1577.2			
G72.0	1368.2	1371.6	1365.9	1396.9	1418.9	1440.9	1441.4			
G73.0	1267.7	1296.7	1255.5	1269.9	1222.8	1346.4	1409.1			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	1128.3	1179.4	1103.1	1182.0	1177.0	1248.6	1205.5			
G75.0	969.4	1010.0	1009.0	1074.5	1049.5	1131.2	1176.4			
G76.0	862.4	944.8	898.7	924.7	944.9	1017.1	1008.3			
G77.0	771.6	850.4	833.8	836.8	840.2	916.1	866.1			
G78.0	667.9	694.0	691.0	670.8	732.3	782.4	772.4			
G79.0	450.7	628.8	603.4	674.0	640.8	746.5	646.4			
G80.0	385.8	498.5	548.3	553.5	532.9	665.1	597.9			
G81.0	421.5	387.7	489.9	530.7	402.1	577.0	332.9			
G82.0	333.9	387.7	431.5	439.6	304.1	476.0	404.0			
G83.0	243.2	270.4	340.7	302.8	353.1	326.0	320.0			
G84.0	207.5	205.3	171.9	267.0	287.7	267.3	245.6			
G85.0	139.4	195.5	146.0	208.4	219.0	221.7	187.5			
G86.0	116.7	146.6	116.8	182.3	186.4	143.4	142.2			
G87.0	97.3	110.8	139.5	172.6	170.0	169.5	132.5			
G88.0	139.4	143.4	155.7	130.2	0.0	163.0	0.0			
G89.0	155.6	114.0	123.3	149.8	137.3	123.9	71.1			
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G92.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G93.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G94.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G96.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G97.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G98.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G99.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G101.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G102.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G103.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G104.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G106.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G107.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G108.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G109.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G112.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G113.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G117.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G118.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G119.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G121.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G122.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G123.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G124.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G126.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G128.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G129.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G131.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G132.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G133.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G134.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G136.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G137.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G138.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G144.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G151.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G152.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G153.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G154.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G156.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G157.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G158.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G159.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G161.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G162.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G163.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G166.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G167.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G168.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G171.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G172.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G174.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G176.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G177.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G178.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G179.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
G180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 24.2 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m^2
L 0-180(65) av	1.#J
L 0-180(75) av	1.#J
L 0-180(85) av	1.#J
L 90-270(65) av	1.#J
L 90-270(75) av	1.#J
L 90-270(85) av	1.#J
L 45(65) av	1.#J
L 45(75) av	1.#J
L 45(85) av	1.#J

Standard: GB/T 29293-2012