Report No.: Test Time: 2024/2/27 14:52

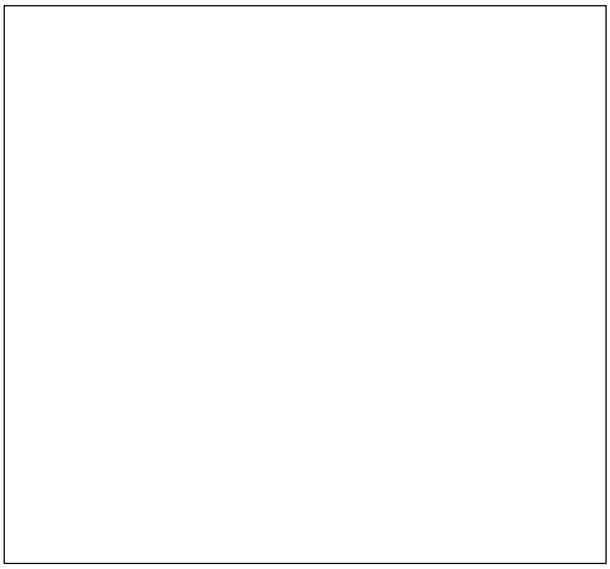
Luminaire Property

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: 480.0 V
Current: 1.048 A Power: 487.82 W
Power Factor: 0.970

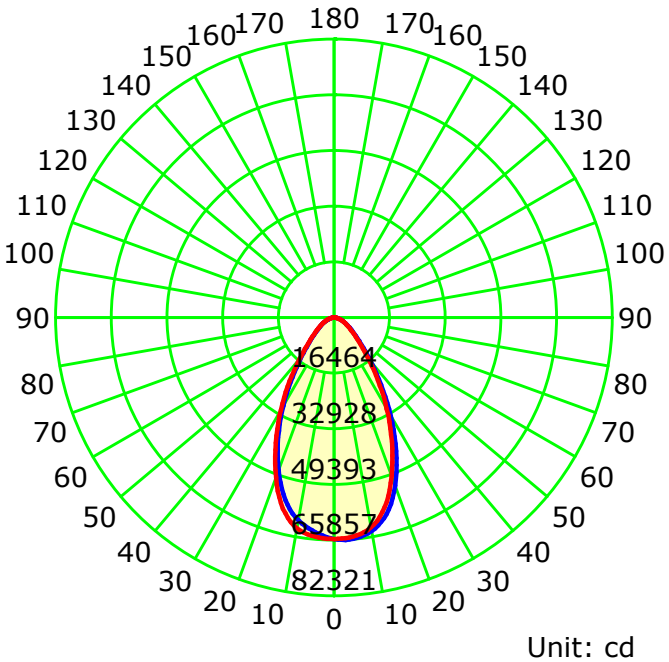
Photometric Results

IES Classification: Type I Longitudinal Classification: Very Short
Total Rated Lamp Lumens: 74379.3 lm Measurement Flux: 74379.3 lm
Efficiency: 100% Downward Ratio: 100%
Upward Ratio: 0% Luminaire Efficacy Rating (LER): 152.52
C0r0 Intensity: 65498.23 cd Max. Intensity: 65857.58 cd
Pos of Max. Intensity: H0 V3
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 58.8, 58.6, 58.8, 58.4

Picture Of Luminaire



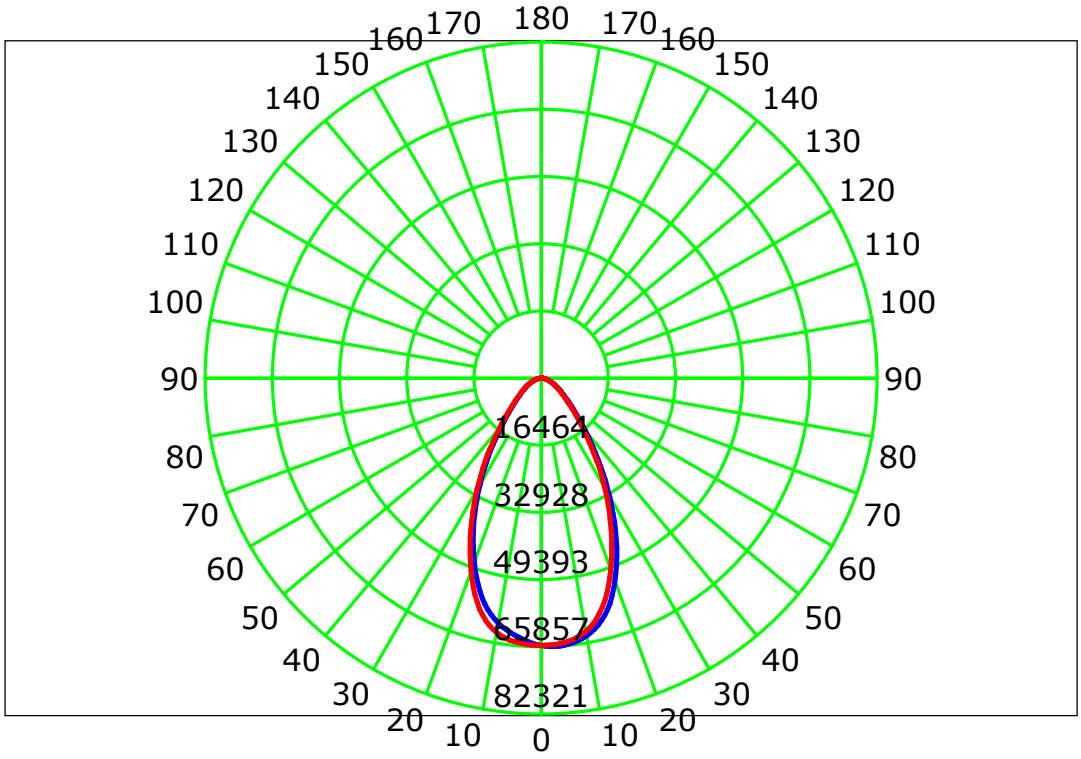
Luminous Intensity Distribution Curve

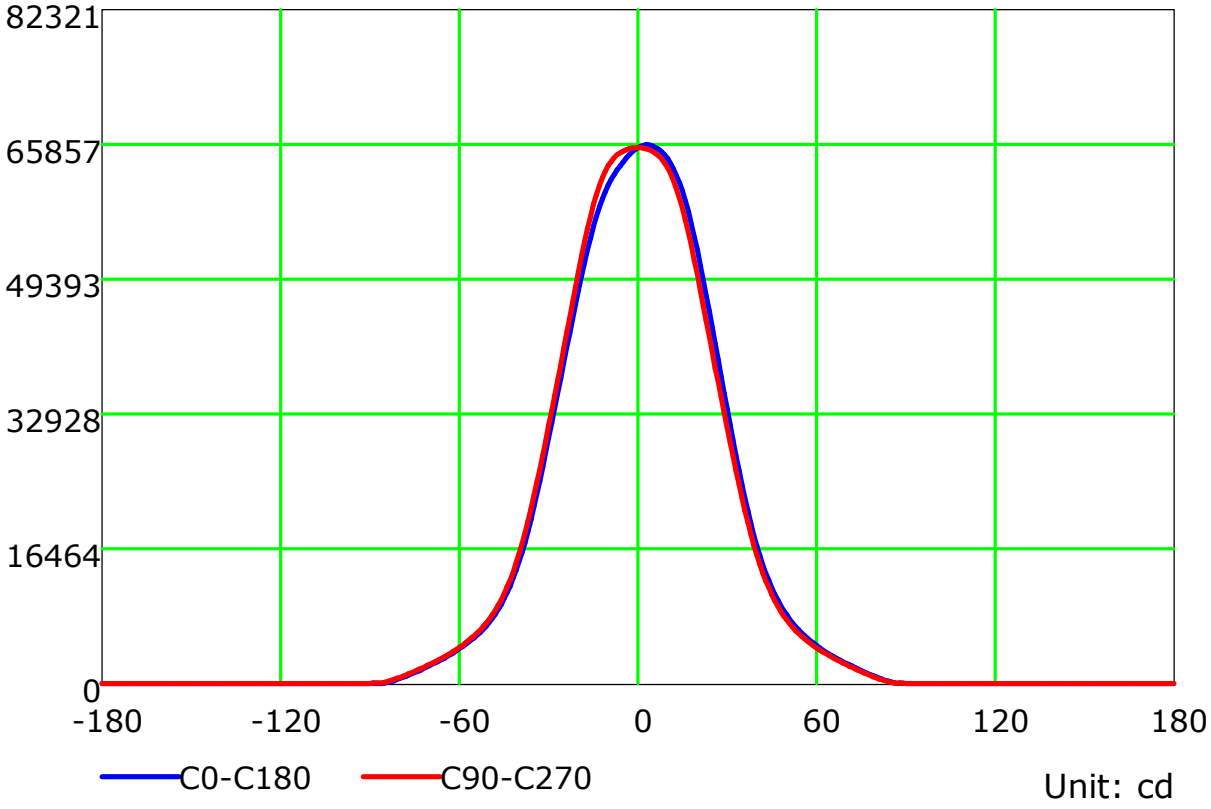


Unit: cd
Average Diffuse Angle(50%): 58.7°
C0-C180 C90-C270

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: 25.6 'C Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve



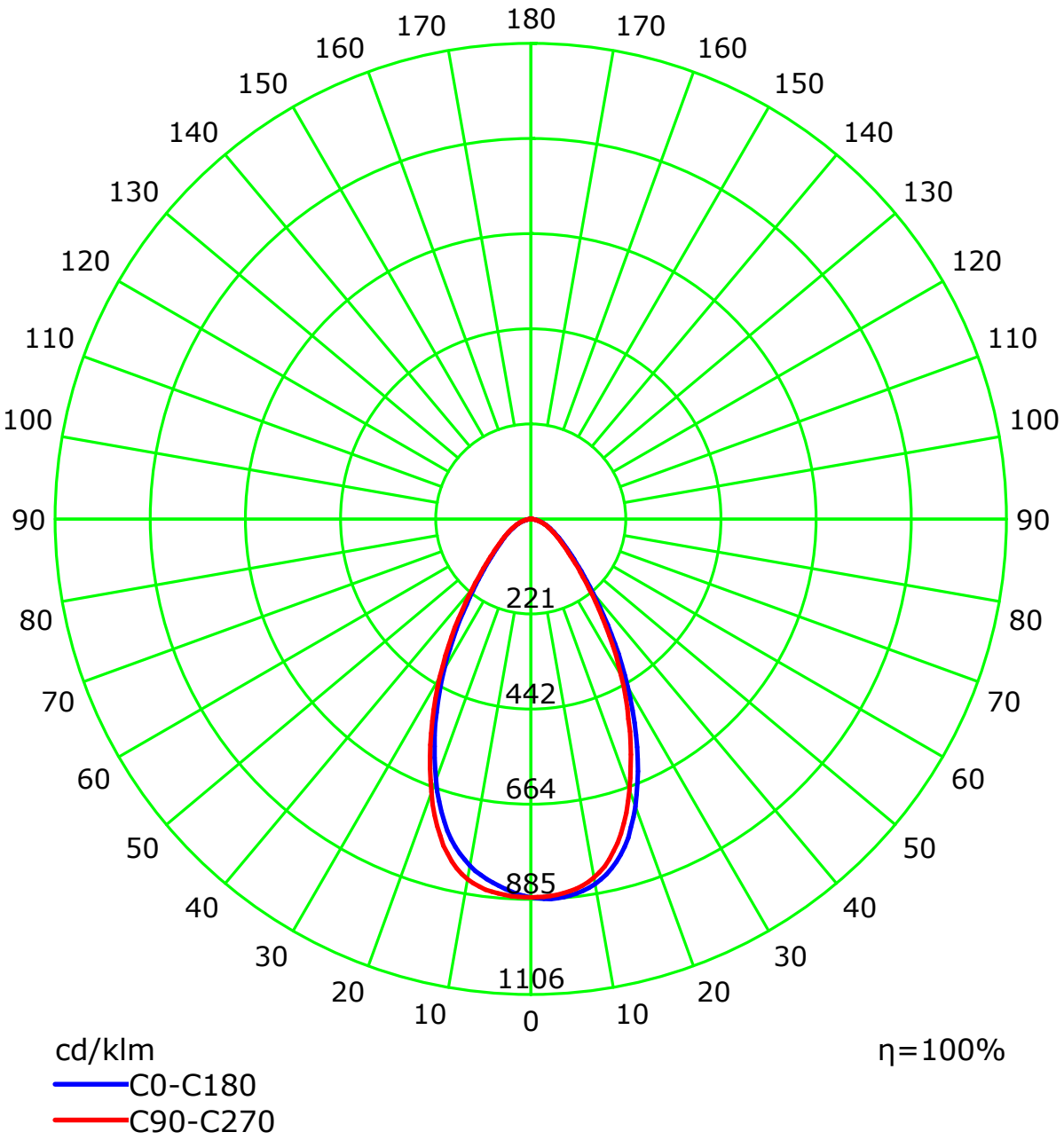


Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

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: 25.6 'C
Operator:

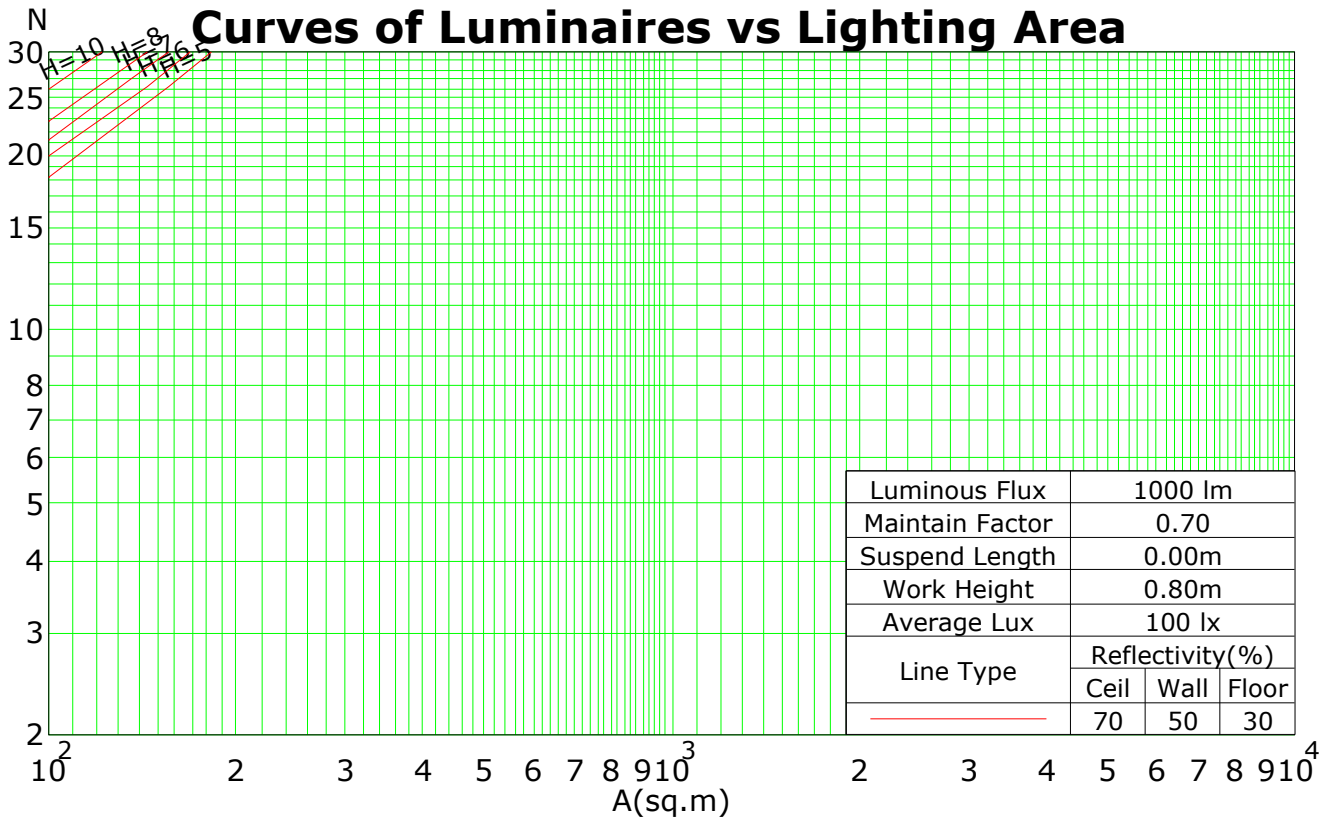
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.320 m [K=8.8652]
Humidity:
Inspector:

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	1.12	1.09	1.05	1.03	1.09	1.06	1.04	1.01	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.94	0.92	0.90
2	1.05	0.99	0.94	0.90	1.02	0.97	0.92	0.89	0.94	0.90	0.87	0.91	0.87	0.85	0.88	0.85	0.83	0.81
3	0.98	0.90	0.84	0.79	0.96	0.89	0.83	0.79	0.86	0.81	0.77	0.84	0.80	0.76	0.81	0.78	0.75	0.73
4	0.92	0.83	0.76	0.71	0.90	0.82	0.76	0.71	0.79	0.74	0.70	0.77	0.73	0.69	0.75	0.71	0.68	0.66
5	0.87	0.77	0.70	0.64	0.85	0.76	0.69	0.64	0.74	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.62	0.61
6	0.81	0.71	0.64	0.59	0.80	0.70	0.63	0.59	0.68	0.63	0.58	0.67	0.62	0.58	0.66	0.61	0.57	0.56
7	0.77	0.66	0.59	0.54	0.75	0.65	0.59	0.54	0.64	0.58	0.54	0.63	0.57	0.53	0.61	0.57	0.53	0.51
8	0.73	0.62	0.55	0.50	0.71	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.53	0.49	0.58	0.53	0.49	0.48
9	0.69	0.58	0.51	0.46	0.67	0.57	0.51	0.46	0.56	0.50	0.46	0.55	0.50	0.46	0.54	0.49	0.46	0.44
10	0.65	0.54	0.48	0.43	0.64	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.51	0.46	0.43	0.41

Spacing Criteria (0-180): 0.90
Spacing Criteria (90-270): 0.89
Spacing Criteria (Diagonal): 0.90

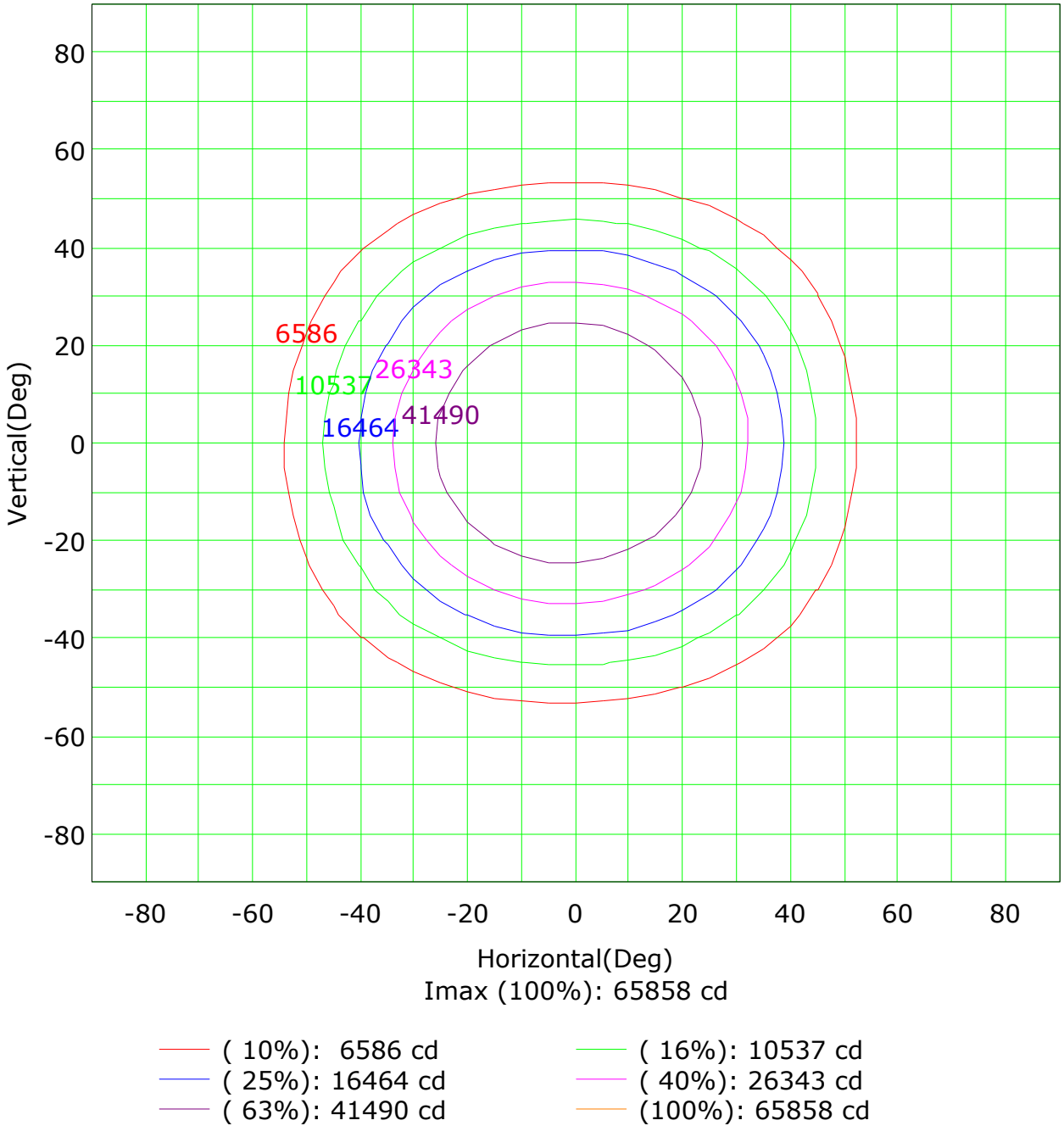
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

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

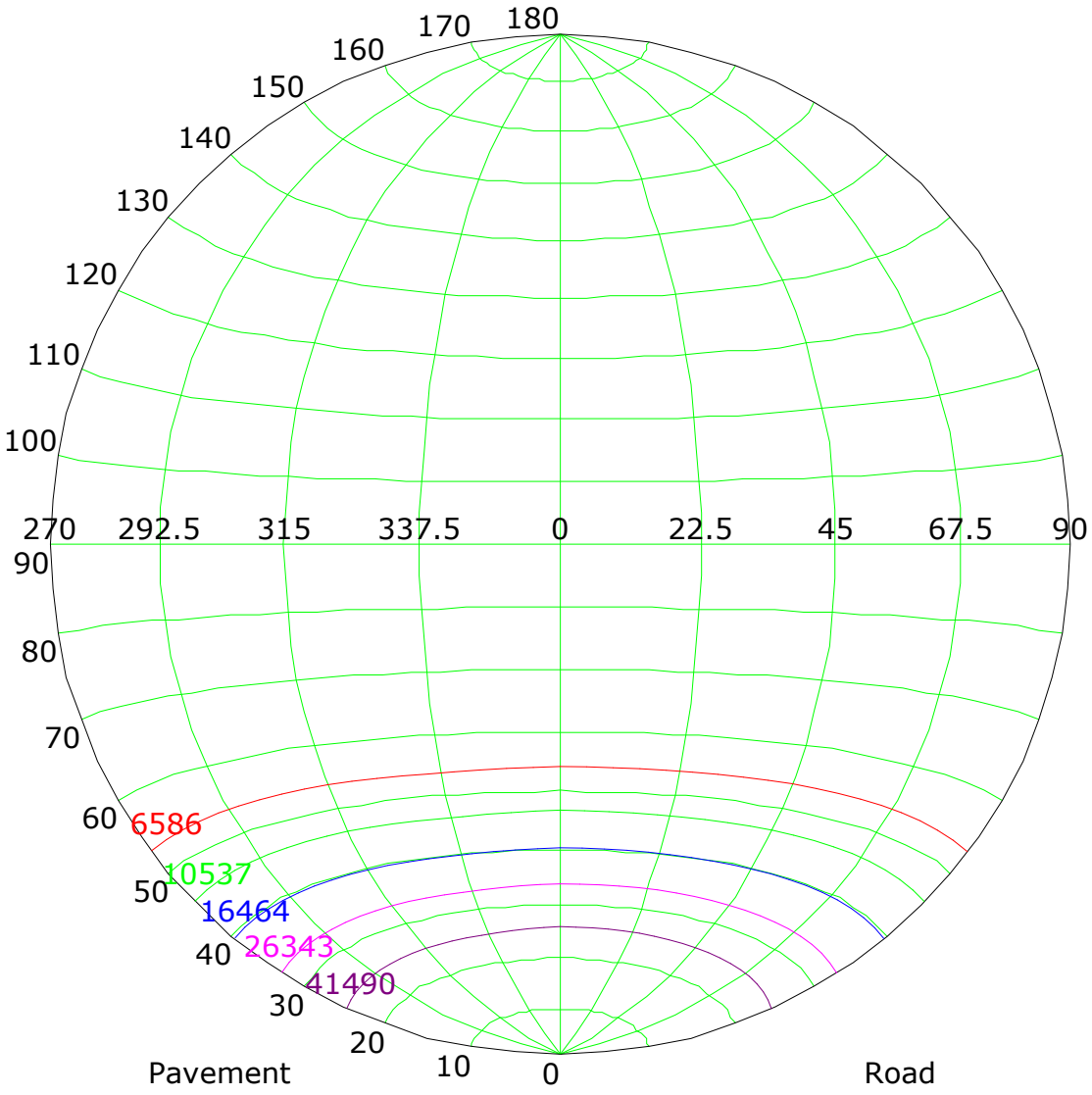
Isocandela (rectangle)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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%): 65858 cd

(10%): 6586 cd
(16%): 10537 cd
(25%): 16464 cd
(40%): 26343 cd
(63%): 41490 cd
(100%): 65858 cd

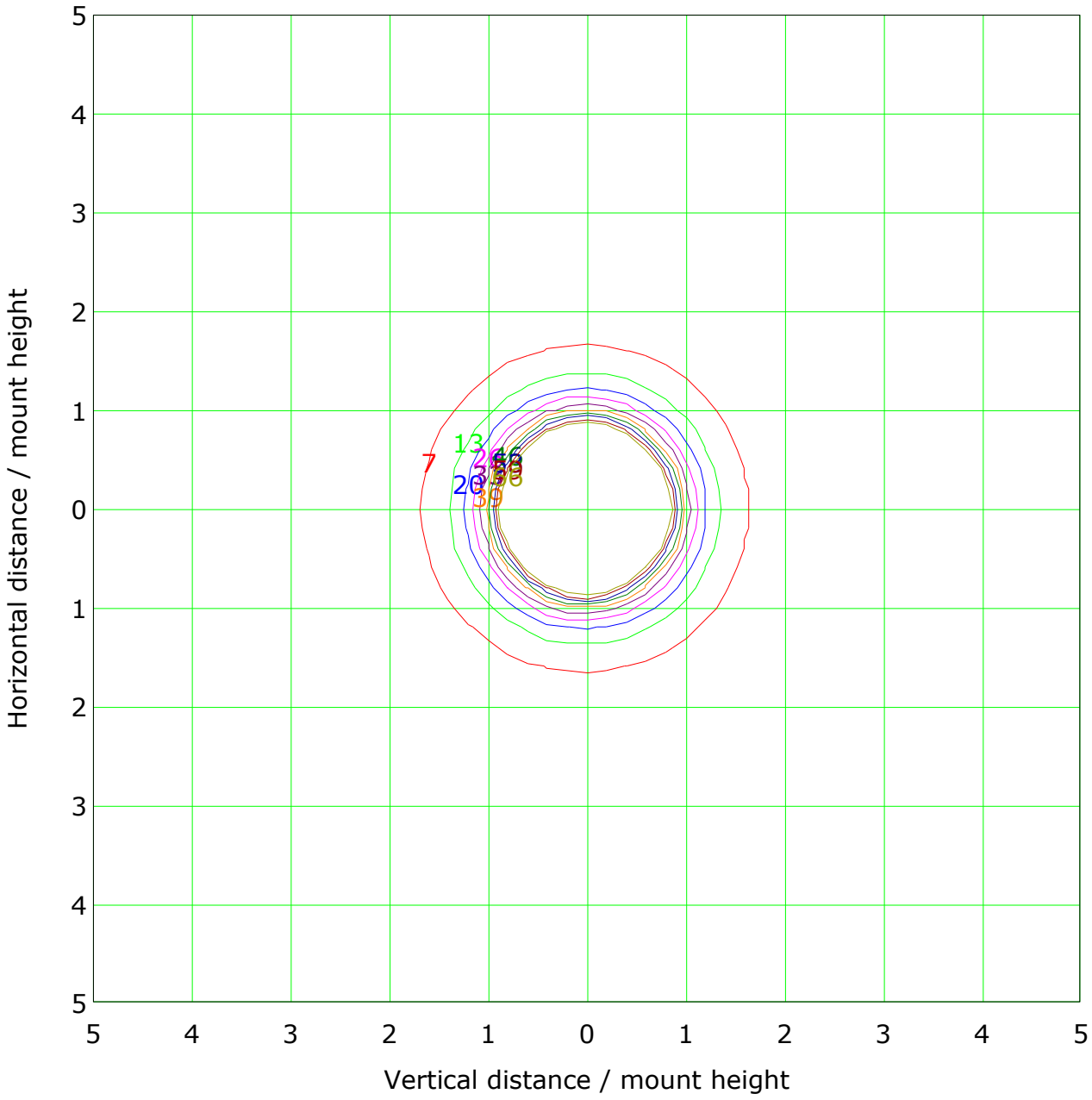
CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 0.000 cd/klm

IES: Cut-off
Max.At80: 11.308 cd/klm
Max.80-90: 11.308 cd/klm

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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



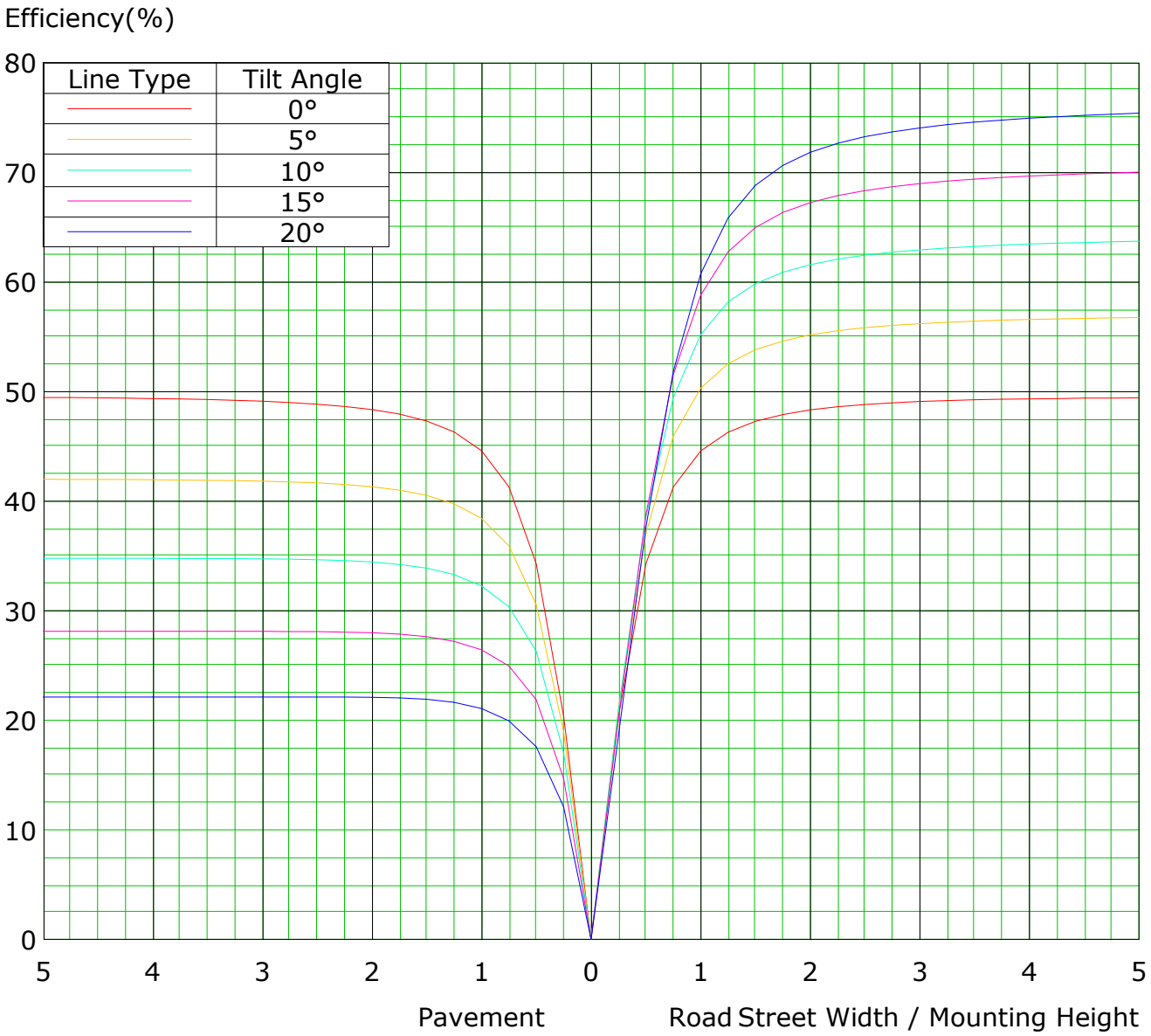
Mounting Height: 10.0m Max Lux(100%): 656.5 lx

(1%): 6.6 lx	(2%): 13.1 lx
(3%): 19.7 lx	(4%): 26.3 lx
(5%): 32.8 lx	(6%): 39.4 lx
(7%): 46.0 lx	(8%): 52.5 lx
(9%): 59.1 lx	(10%): 65.6 lx

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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

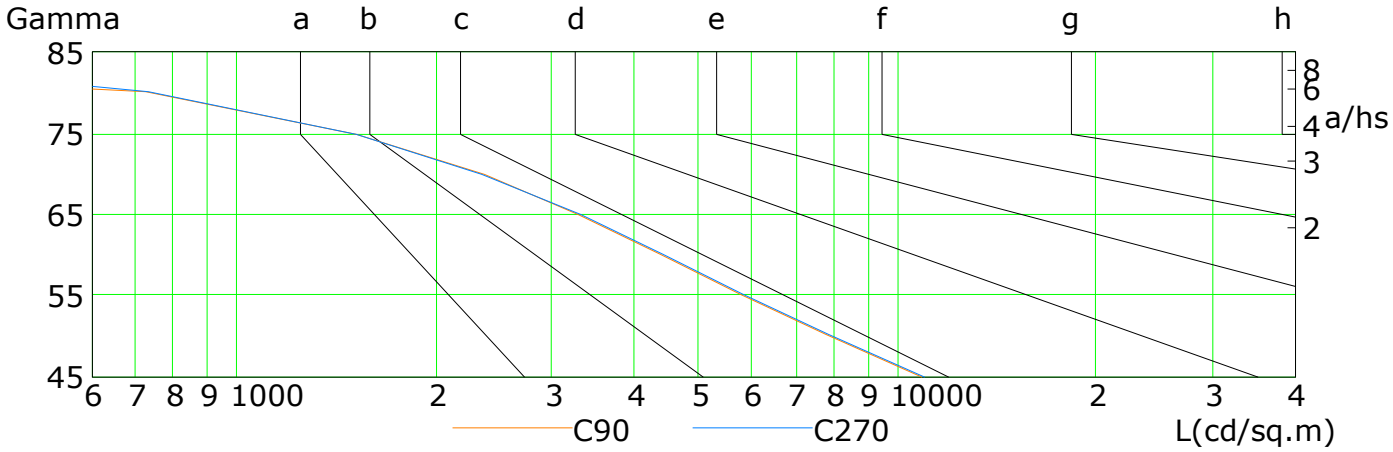


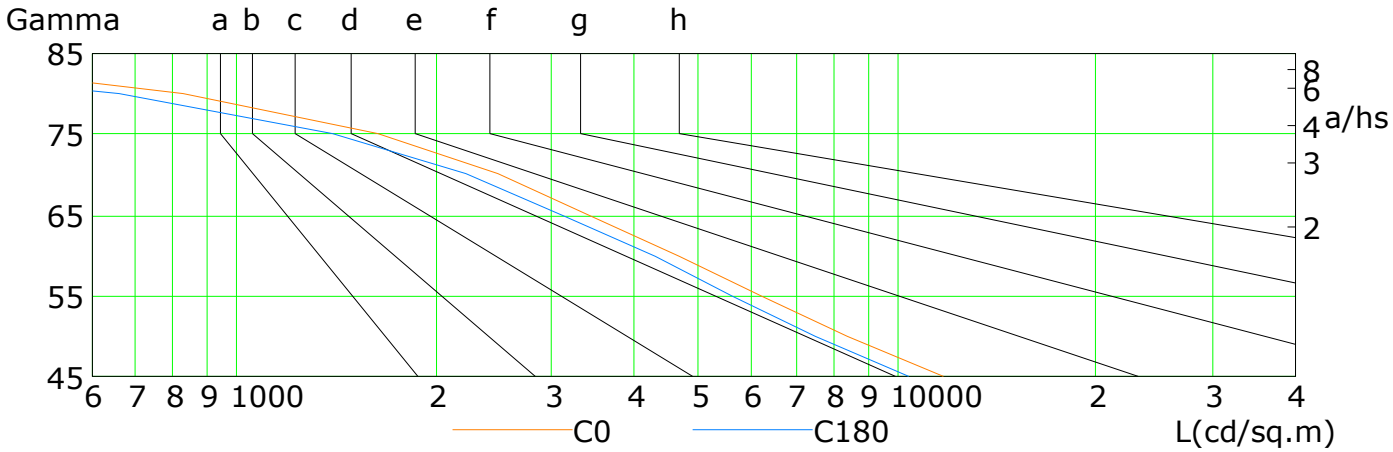
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

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



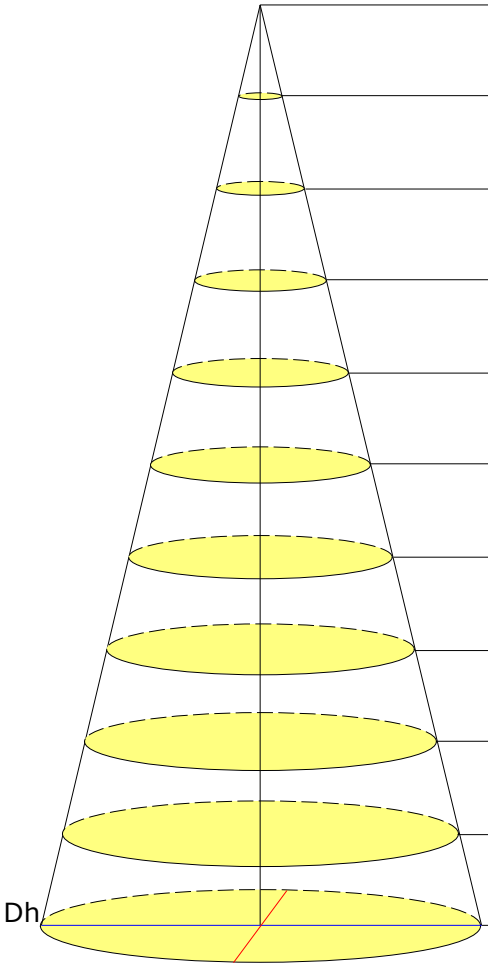


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	11705	8413	6206	4676	3444	2484	1626	829	221
C90	10902	7783	5802	4362	3289	2369	1506	727	154
C180	10409	7488	5605	4307	3119	2226	1398	659	85
C270	10959	7852	5844	4433	3307	2353	1508	731	173

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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



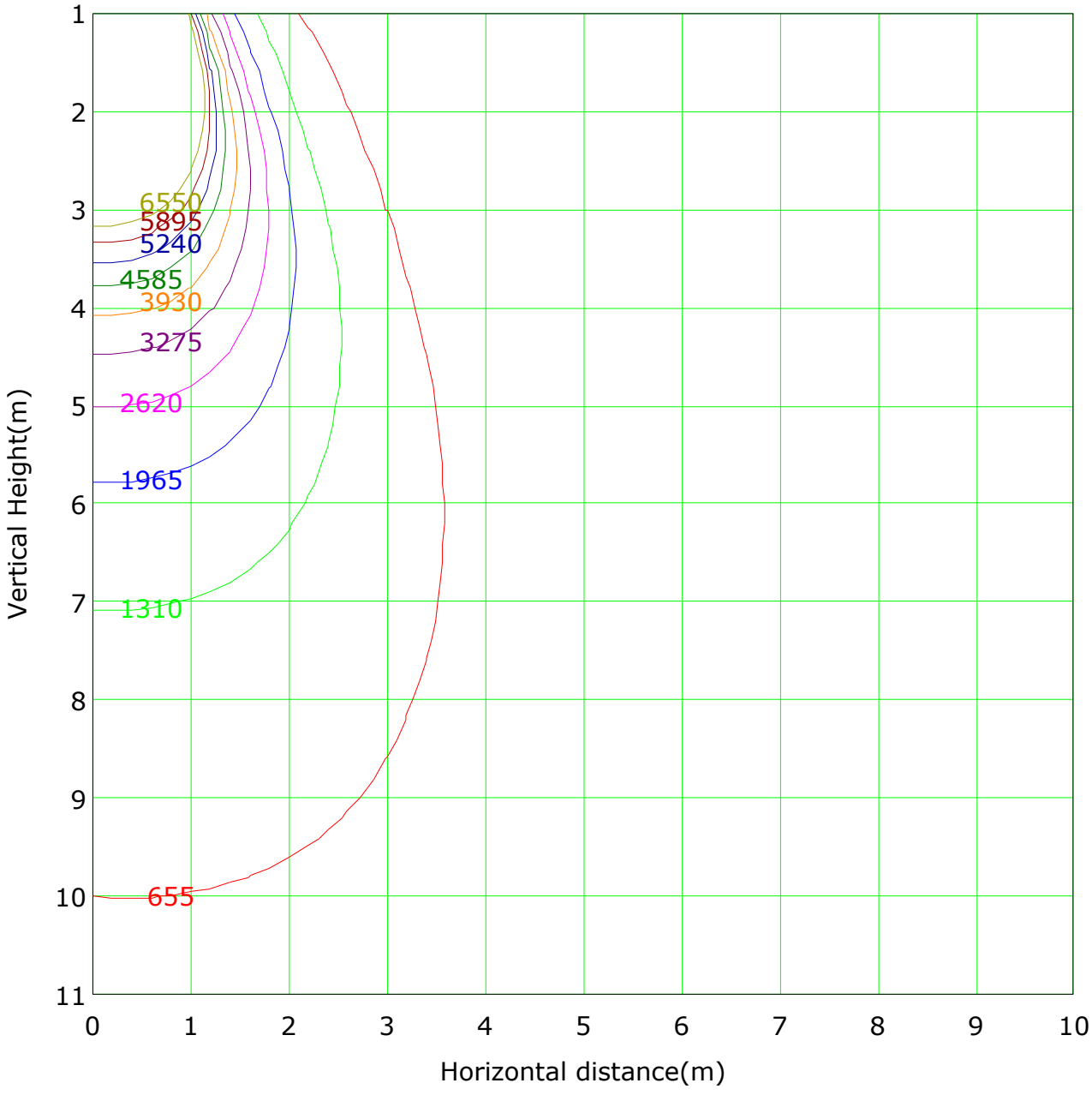
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
		Dh/Dv_F(m)	S_F(sq.m)	Eav_F(lx)
1.0	65498.23	1.13/1.12	1.0	26770.27
		2.66/2.65	5.6	4458.01
2.0	16374.56	2.25/2.24	4.0	6692.57
		5.33/5.29	22.3	1114.50
3.0	7277.58	3.38/3.37	8.9	2974.47
		7.99/7.94	50.3	495.33
4.0	4093.64	4.50/4.49	15.9	1673.14
		10.66/10.58	89.4	278.63
5.0	2619.93	5.63/5.61	24.8	1070.81
		13.32/13.23	139.7	178.32
6.0	1819.40	6.76/6.73	35.7	743.62
		15.99/15.87	201.1	123.83
7.0	1336.70	7.88/7.85	48.6	546.33
		18.65/18.52	273.8	90.98
8.0	1023.41	9.01/8.97	63.5	418.29
		21.32/21.17	357.6	69.66
9.0	808.62	10.13/10.10	80.4	330.50
		23.98/23.81	452.6	55.04
10.0	654.98	11.26/11.22	99.3	267.70
		26.65/26.46	558.7	44.58

Beam Angle(B): H58.8 V58.6 Field Angle(F): H106.2 V105.8

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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: 65498.2 lx

(1%): 655.0 lx
(2%):1310.0 lx
(3%):1964.9 lx
(4%):2619.9 lx
(5%):3274.9 lx
(6%):3929.9 lx
(7%):4584.9 lx
(8%):5239.9 lx
(9%):5894.8 lx
(10%):6549.8 lx

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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

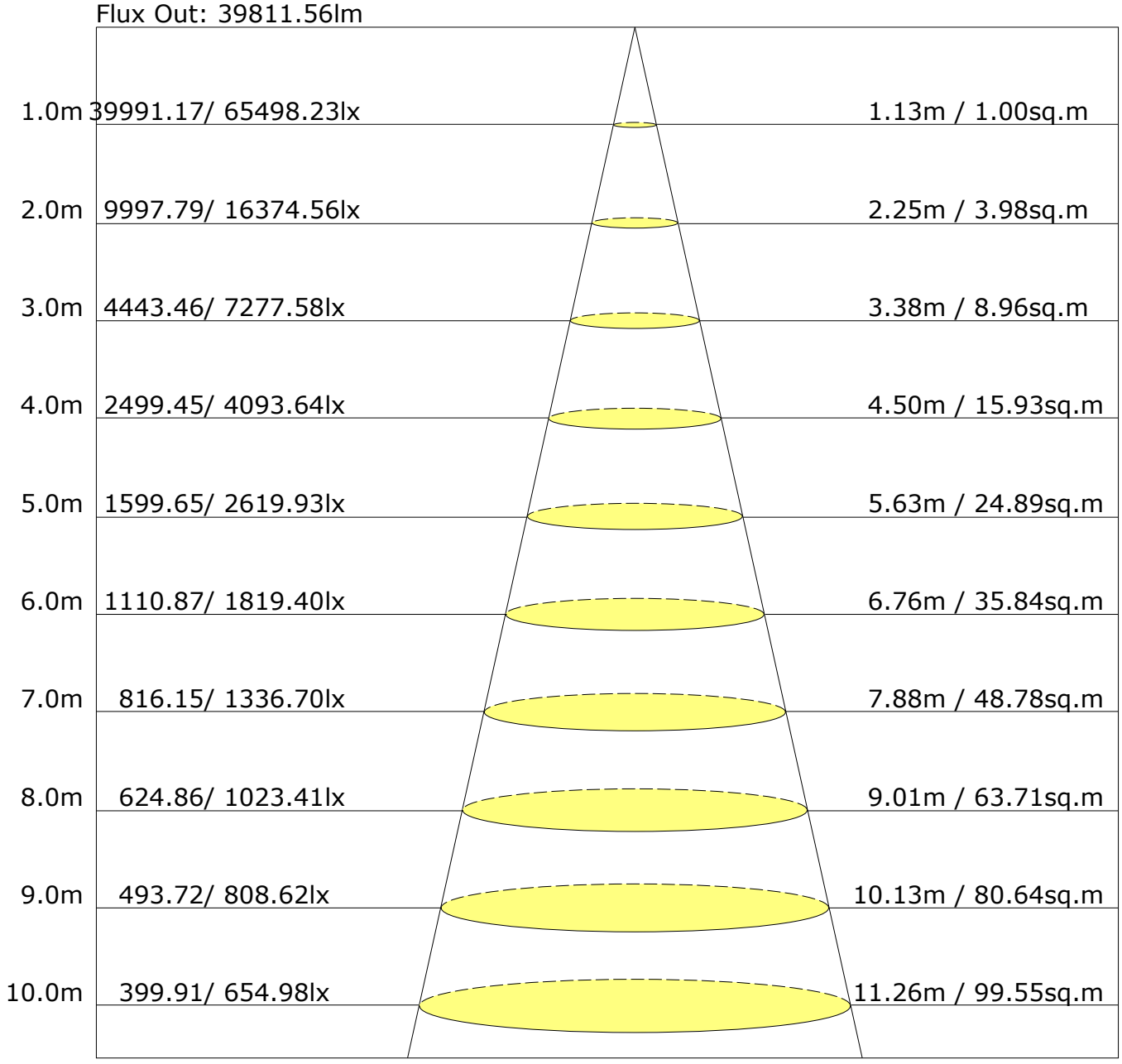
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.1	0.1	0.1	0.1	0.1	0.3	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.1	0.0	6.6	0.0
-80	0.4	0.5	1.9	3.9	6.1	8.1	9.8	10.9	11.5	11.6	11.0	9.9	8.3	6.4	4.4	2.3	0.8	0.5	0.0	108.4	0.0
-70	0.7	3.0	8.9	16.2	23.3	29.8	35.3	39.2	41.4	41.4	39.4	35.6	30.3	24.1	17.0	10.0	4.0	1.0	0.0	400.5	0.0
-60	1.5	8.5	22.0	37.1	52.2	67.0	81.3	93.0	99.7	99.6	92.8	81.2	67.3	52.8	37.8	22.6	9.2	1.6	0.0	927.5	67.9
-50	2.8	16.4	39.5	64.8	92.9	126.7	164.8	202.7	227.2	226.8	201.6	163.3	125.9	92.9	64.9	39.4	16.4	2.5	0.0	1871.4	1184.3
-40	4.2	25.8	58.8	97.1	148.7	223.2	330.7	454.3	535.7	534.2	451.2	328.2	220.5	147.4	96.6	58.6	25.4	3.9	0.0	3744.4	3149.6
-30	5.9	34.9	77.8	131.7	216.8	370.0	622.5	895.2	1055.8	1053.0	885.8	618.0	366.5	213.6	130.1	77.3	34.4	5.5	0.0	6794.8	6231.7
-20	7.4	42.0	92.4	161.7	286.5	546.9	960.6	1358.3	1576.3	1599.5	1354.4	950.5	541.1	282.5	159.1	91.6	41.4	6.8	0.0	10059.1	9507.5
-10	8.4	45.9	100.2	178.9	333.7	677.0	1194.2	1687.4	1895.6	1910.1	1673.7	1181.1	670.9	330.3	176.4	99.4	45.2	7.6	0.0	12216.2	11672.1
0	8.5	46.3	100.8	180.1	336.8	685.7	1212.3	1727.4	1963.6	1948.9	1724.6	1210.8	683.3	335.7	178.6	100.2	45.8	7.8	0.0	12497.1	11958.1
10	7.7	43.1	94.1	164.8	294.2	567.2	1002.8	1447.3	1714.5	1694.0	1447.1	1007.4	569.8	295.7	164.7	94.0	42.9	7.4	0.0	10658.7	9111.6
20	6.4	36.6	80.4	136.2	225.9	390.9	663.3	954.8	1155.3	1163.6	973.2	669.1	393.7	227.2	136.5	80.4	36.8	6.5	0.0	7337.4	5783.6
30	4.8	28.0	61.8	102.2	157.1	237.7	355.6	492.4	594.3	599.5	503.6	361.8	240.1	157.8	102.1	62.4	28.1	5.2	0.0	4094.6	3515.6
40	3.2	18.9	42.3	68.9	99.1	135.4	177.5	222.1	253.9	255.2	225.4	181.0	137.3	99.8	69.2	43.0	19.1	3.7	0.0	2055.0	1407.0
50	2.0	10.5	24.7	40.2	56.0	71.9	87.7	101.3	109.7	110.0	102.1	88.8	72.9	56.8	40.8	25.0	10.7	2.2	0.0	1013.3	172.0
60	1.1	4.3	10.9	18.5	26.0	32.7	38.5	42.8	45.3	45.3	43.0	38.8	33.1	26.2	18.8	11.2	4.5	1.1	0.0	442.2	0.0
70	0.5	1.1	2.8	5.1	7.5	9.7	11.5	12.8	13.5	13.5	12.8	11.5	9.7	7.6	5.2	2.9	1.2	0.5	0.0	129.3	0.0
80	0.1	0.2	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.6	0.4	0.2	0.2	0.1	0.0	10.6	0.0
90	65.7	366.0	819.7	1408.0	2363.8	4181.3	6949.9	9743.9	11295.1	11308.8	9743.5	6938.7	4172.8	2357.7	1402.7	820.8	366.0	64.0	0.0	74366	65763
Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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

Flux Out: 39811.56lm



Height Avg./Nadir. E Beam Angle:58.8° Diameter / Area

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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

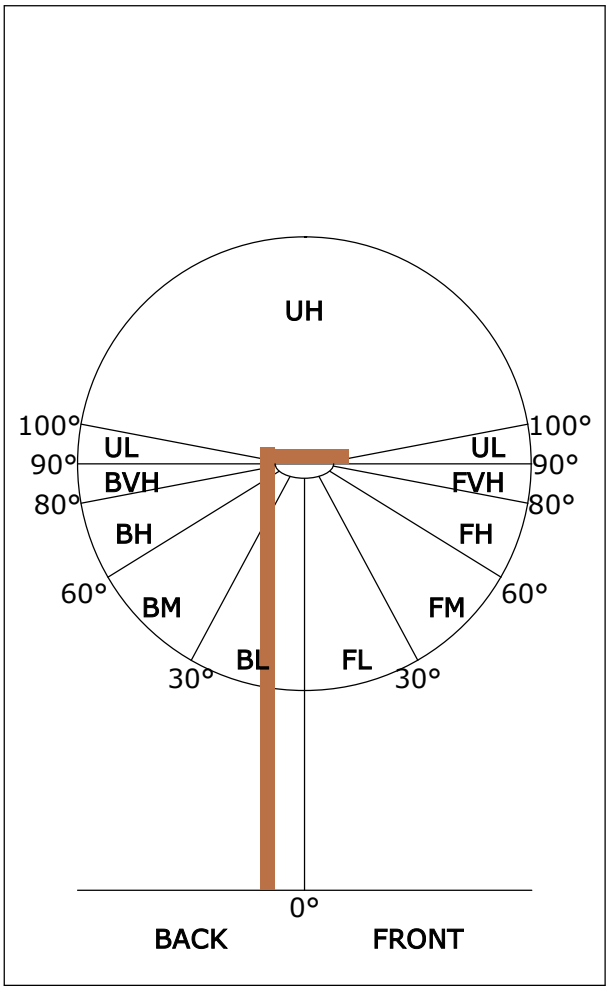
Reflectance: Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-1.$	-1.$	-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 74379lm (8log(F/F0) = 15.0).

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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



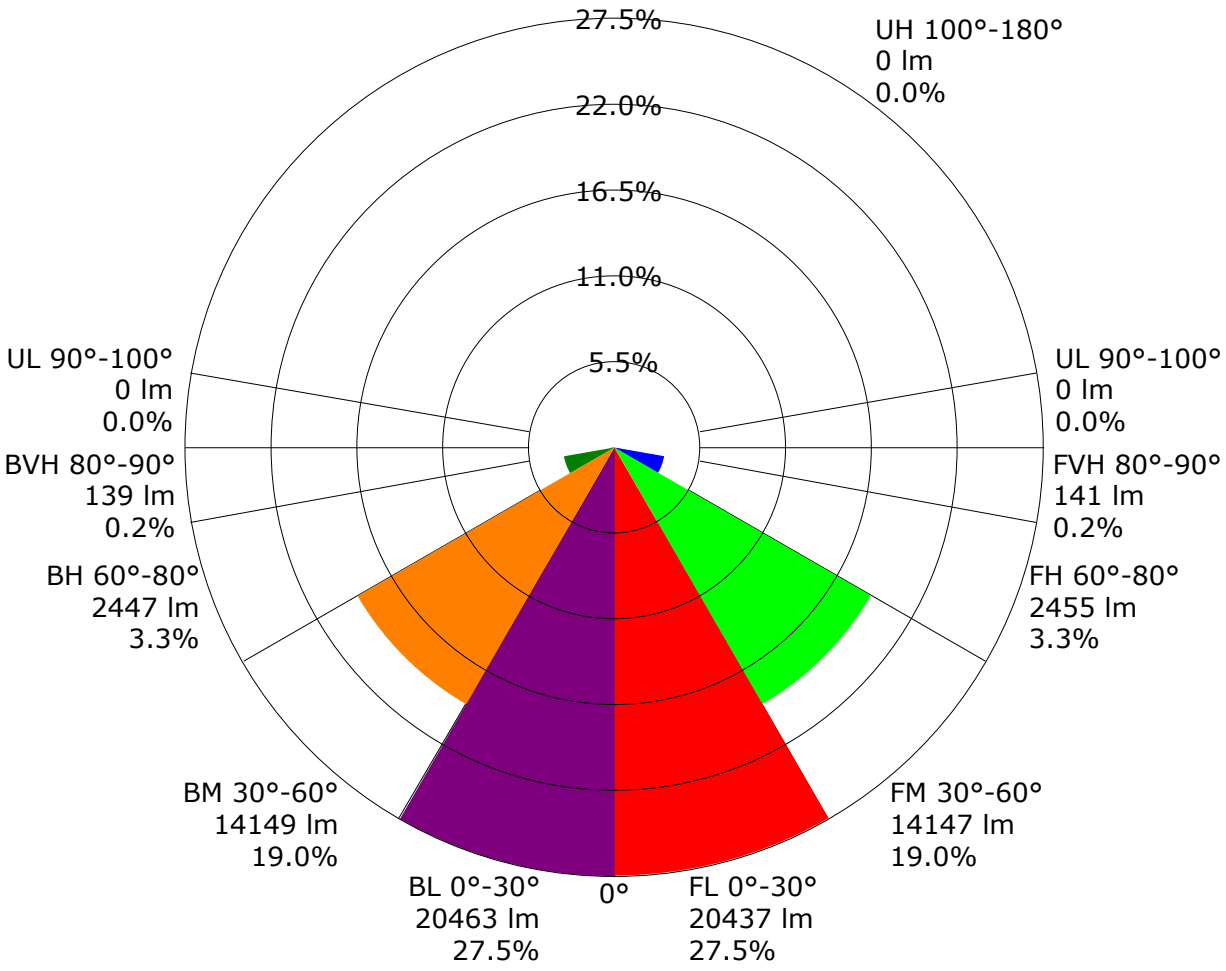
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	37180	50.0
FL (0°-30°)	20437	27.5
FM (30°-60°)	14147	19.0
FH (60°-80°)	2455	3.3
FVH (80°-90°)	141	0.2
BACK LIGHT	37199	50.0
BL (0°-30°)	20463	27.5
BM (30°-60°)	14149	19.0
BH (60°-80°)	2447	3.3
BVH (80°-90°)	139	0.2
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	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 G2

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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: 25.6 '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	0.72	0.80	0.86	0.91	0.96	1.00	1.03	1.06	1.08
	0.30		0.66	0.75	0.81	0.85	0.92	0.96	0.99	1.03	1.05
	0.20		0.61	0.70	0.76	0.81	0.88	0.93	0.96	1.00	1.03
0.50	0.50	0.20	0.70	0.79	0.84	0.88	0.93	0.97	0.99	1.02	1.04
	0.30		0.65	0.73	0.79	0.84	0.90	0.93	0.96	1.00	1.02
	0.20		0.61	0.70	0.76	0.80	0.86	0.90	0.93	0.97	1.00
0.30	0.50	0.20	0.69	0.77	0.82	0.86	0.91	0.94	0.96	0.98	1.00
	0.30		0.64	0.72	0.78	0.82	0.87	0.91	0.93	0.96	0.98
	0.20		0.61	0.69	0.75	0.79	0.85	0.88	0.91	0.95	0.97
0.00	0.00	0.00	0.59	0.67	0.72	0.76	0.81	0.85	0.87	0.90	0.92

Rating:488W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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	0.77	0.63	0.53	0.45	0.36	0.29	0.25	0.19	0.16
	0.30		0.65	0.54	0.46	0.40	0.32	0.27	0.23	0.18	0.15
	0.20		0.55	0.47	0.41	0.36	0.29	0.25	0.22	0.17	0.14
0.50	0.50	0.20	0.74	0.60	0.50	0.43	0.34	0.31	0.23	0.18	0.15
	0.30		0.63	0.52	0.44	0.39	0.31	0.26	0.22	0.17	0.14
	0.20		0.55	0.46	0.40	0.35	0.28	0.24	0.21	0.16	0.13
0.30	0.50	0.20	0.72	0.57	0.48	0.41	0.32	0.26	0.22	0.17	0.14
	0.30		0.61	0.50	0.43	0.37	0.29	0.24	0.21	0.16	0.13
	0.20		0.54	0.45	0.39	0.34	0.27	0.23	0.20	0.15	0.13
0.00	0.00	0.00	0.42	0.34	0.28	0.24	0.19	0.16	0.13	0.10	0.08

Rating:488W 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: 25.6 '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	0.14	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	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		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.14	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.19
	0.30		0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:488W 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: 25.6 '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	65480.5	62.7	62.7	0.08	0.08
1.0-2.0	65424.4	187.8	250.5	0.25	0.34
2.0-3.0	65328.8	312.5	563.0	0.42	0.76
3.0-4.0	65182.2	436.4	999.3	0.59	1.34
4.0-5.0	64982.7	559.1	1558.4	0.75	2.10
5.0-6.0	64732.8	680.4	2238.8	0.91	3.01
6.0-7.0	64426.2	799.8	3038.6	1.08	4.09
7.0-8.0	64056.1	916.9	3955.5	1.23	5.32
8.0-9.0	63607.3	1031.0	4986.5	1.39	6.70
9.0-10.0	63070.2	1141.5	6128.0	1.53	8.24
10.0-11.0	62425.3	1247.5	7375.5	1.68	9.92
11.0-12.0	61659.8	1348.1	8723.6	1.81	11.73
12.0-13.0	60762.4	1442.2	10165.8	1.94	13.67
13.0-14.0	59734.1	1529.2	11694.9	2.06	15.72
14.0-15.0	58585.4	1608.6	13303.5	2.16	17.89
15.0-16.0	57305.7	1679.4	14982.9	2.26	20.14
16.0-17.0	55883.7	1740.5	16723.4	2.34	22.48
17.0-18.0	54359.3	1792.5	18516.0	2.41	24.89
18.0-19.0	52749.0	1835.5	20351.4	2.47	27.36
19.0-20.0	51045.4	1868.5	22220.0	2.51	29.87
20.0-21.0	49285.6	1892.8	24112.7	2.54	32.42
21.0-22.0	47486.6	1908.5	26021.3	2.57	34.98
22.0-23.0	45643.5	1915.4	27936.7	2.58	37.56
23.0-24.0	43778.1	1914.3	29851.0	2.57	40.13
24.0-25.0	41911.6	1906.0	31756.9	2.56	42.70
25.0-26.0	40016.6	1889.2	33646.1	2.54	45.24
26.0-27.0	38114.1	1864.9	35511.1	2.51	47.74
27.0-28.0	36241.7	1835.1	37346.2	2.47	50.21
28.0-29.0	34374.0	1798.6	39144.9	2.42	52.63
29.0-30.0	32512.2	1755.6	40900.5	2.36	54.99
30.0-31.0	30675.3	1707.3	42607.8	2.30	57.28
31.0-32.0	28868.8	1654.1	44261.9	2.22	59.51
32.0-33.0	27088.4	1596.1	45858.0	2.15	61.65
33.0-34.0	25348.0	1534.2	47392.2	2.06	63.72
34.0-35.0	23657.5	1469.4	48861.6	1.98	65.69
35.0-36.0	22020.1	1402.3	50263.9	1.89	67.58

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	20462.1	1334.7	51598.6	1.79	69.37
37.0-38.0	18998.3	1268.3	52866.9	1.71	71.08
38.0-39.0	17635.8	1203.9	54070.8	1.62	72.70
39.0-40.0	16356.5	1140.9	55211.7	1.53	74.23
40.0-41.0	15174.6	1080.7	56292.4	1.45	75.68
41.0-42.0	14099.5	1024.5	57316.9	1.38	77.06
42.0-43.0	13118.6	971.9	58288.8	1.31	78.37
43.0-44.0	12223.6	922.7	59211.5	1.24	79.61
44.0-45.0	11390.9	875.5	60087.1	1.18	80.78
45.0-46.0	10616.2	830.4	60917.4	1.12	81.90
46.0-47.0	9920.5	789.1	61706.6	1.06	82.96
47.0-48.0	9288.3	751.0	62457.5	1.01	83.97
48.0-49.0	8701.2	714.6	63172.2	0.96	84.93
49.0-50.0	8166.0	680.9	63853.1	0.92	85.85
50.0-51.0	7680.7	649.9	64503.0	0.87	86.72
51.0-52.0	7232.6	620.7	65123.7	0.83	87.56
52.0-53.0	6810.1	592.5	65716.2	0.80	88.35
53.0-54.0	6429.6	566.8	66283.0	0.76	89.11
54.0-55.0	6077.1	542.5	66825.5	0.73	89.84
55.0-56.0	5741.8	518.9	67344.4	0.70	90.54
56.0-57.0	5422.9	495.9	67840.3	0.67	91.21
57.0-58.0	5121.6	473.7	68314.0	0.64	91.85
58.0-59.0	4834.5	452.0	68766.1	0.61	92.45
59.0-60.0	4559.6	430.8	69196.9	0.58	93.03
60.0-61.0	4304.3	410.8	69607.7	0.55	93.58
61.0-62.0	4055.9	390.9	69998.6	0.53	94.11
62.0-63.0	3835.3	373.1	70371.6	0.50	94.61
63.0-64.0	3628.6	356.1	70727.7	0.48	95.09
64.0-65.0	3425.7	339.1	71066.8	0.46	95.55
65.0-66.0	3224.9	321.8	71388.6	0.43	95.98
66.0-67.0	3018.7	303.6	71692.2	0.41	96.39
67.0-68.0	2822.6	286.0	71978.2	0.38	96.77
68.0-69.0	2631.4	268.5	72246.6	0.36	97.13
69.0-70.0	2450.2	251.7	72498.3	0.34	97.47
70.0-71.0	2275.9	235.3	72733.6	0.32	97.79
71.0-72.0	2103.2	218.7	72952.3	0.29	98.08

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	1927.9	201.6	73153.9	0.27	98.35
73.0-74.0	1753.0	184.3	73338.3	0.25	98.60
74.0-75.0	1583.2	167.3	73505.6	0.22	98.83
75.0-76.0	1417.9	150.5	73656.1	0.20	99.03
76.0-77.0	1264.0	134.8	73790.9	0.18	99.21
77.0-78.0	1108.7	118.7	73909.6	0.16	99.37
78.0-79.0	952.4	102.3	74011.9	0.14	99.51
79.0-80.0	809.3	87.3	74099.2	0.12	99.62
80.0-81.0	669.2	72.4	74171.5	0.10	99.72
81.0-82.0	533.6	57.9	74229.4	0.08	99.80
82.0-83.0	417.0	45.3	74274.8	0.06	99.86
83.0-84.0	308.9	33.7	74308.4	0.05	99.90
84.0-85.0	213.9	23.3	74331.8	0.03	99.94
85.0-86.0	142.8	15.6	74347.4	0.02	99.96
86.0-87.0	90.2	9.9	74357.2	0.01	99.97
87.0-88.0	76.5	8.4	74365.6	0.01	99.98
88.0-89.0	83.4	9.1	74374.8	0.01	99.99
89.0-90.0	41.8	4.6	74379.3	0.01	100.00
90.0-91.0	0.0	0.0	74379.3	0.00	100.00
91.0-92.0	0.0	0.0	74379.3	0.00	100.00
92.0-93.0	0.0	0.0	74379.3	0.00	100.00
93.0-94.0	0.0	0.0	74379.3	0.00	100.00
94.0-95.0	0.0	0.0	74379.3	0.00	100.00
95.0-96.0	0.0	0.0	74379.3	0.00	100.00
96.0-97.0	0.0	0.0	74379.3	0.00	100.00
97.0-98.0	0.0	0.0	74379.3	0.00	100.00
98.0-99.0	0.0	0.0	74379.3	0.00	100.00
99.0-100.0	0.0	0.0	74379.3	0.00	100.00
100.0-101.0	0.0	0.0	74379.3	0.00	100.00
101.0-102.0	0.0	0.0	74379.3	0.00	100.00
102.0-103.0	0.0	0.0	74379.3	0.00	100.00
103.0-104.0	0.0	0.0	74379.3	0.00	100.00
104.0-105.0	0.0	0.0	74379.3	0.00	100.00
105.0-106.0	0.0	0.0	74379.3	0.00	100.00
106.0-107.0	0.0	0.0	74379.3	0.00	100.00
107.0-108.0	0.0	0.0	74379.3	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	74379.3	0.00	100.00
109.0-110.0	0.0	0.0	74379.3	0.00	100.00
110.0-111.0	0.0	0.0	74379.3	0.00	100.00
111.0-112.0	0.0	0.0	74379.3	0.00	100.00
112.0-113.0	0.0	0.0	74379.3	0.00	100.00
113.0-114.0	0.0	0.0	74379.3	0.00	100.00
114.0-115.0	0.0	0.0	74379.3	0.00	100.00
115.0-116.0	0.0	0.0	74379.3	0.00	100.00
116.0-117.0	0.0	0.0	74379.3	0.00	100.00
117.0-118.0	0.0	0.0	74379.3	0.00	100.00
118.0-119.0	0.0	0.0	74379.3	0.00	100.00
119.0-120.0	0.0	0.0	74379.3	0.00	100.00
120.0-121.0	0.0	0.0	74379.3	0.00	100.00
121.0-122.0	0.0	0.0	74379.3	0.00	100.00
122.0-123.0	0.0	0.0	74379.3	0.00	100.00
123.0-124.0	0.0	0.0	74379.3	0.00	100.00
124.0-125.0	0.0	0.0	74379.3	0.00	100.00
125.0-126.0	0.0	0.0	74379.3	0.00	100.00
126.0-127.0	0.0	0.0	74379.3	0.00	100.00
127.0-128.0	0.0	0.0	74379.3	0.00	100.00
128.0-129.0	0.0	0.0	74379.3	0.00	100.00
129.0-130.0	0.0	0.0	74379.3	0.00	100.00
130.0-131.0	0.0	0.0	74379.3	0.00	100.00
131.0-132.0	0.0	0.0	74379.3	0.00	100.00
132.0-133.0	0.0	0.0	74379.3	0.00	100.00
133.0-134.0	0.0	0.0	74379.3	0.00	100.00
134.0-135.0	0.0	0.0	74379.3	0.00	100.00
135.0-136.0	0.0	0.0	74379.3	0.00	100.00
136.0-137.0	0.0	0.0	74379.3	0.00	100.00
137.0-138.0	0.0	0.0	74379.3	0.00	100.00
138.0-139.0	0.0	0.0	74379.3	0.00	100.00
139.0-140.0	0.0	0.0	74379.3	0.00	100.00
140.0-141.0	0.0	0.0	74379.3	0.00	100.00
141.0-142.0	0.0	0.0	74379.3	0.00	100.00
142.0-143.0	0.0	0.0	74379.3	0.00	100.00
143.0-144.0	0.0	0.0	74379.3	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	74379.3	0.00	100.00
145.0-146.0	0.0	0.0	74379.3	0.00	100.00
146.0-147.0	0.0	0.0	74379.3	0.00	100.00
147.0-148.0	0.0	0.0	74379.3	0.00	100.00
148.0-149.0	0.0	0.0	74379.3	0.00	100.00
149.0-150.0	0.0	0.0	74379.3	0.00	100.00
150.0-151.0	0.0	0.0	74379.3	0.00	100.00
151.0-152.0	0.0	0.0	74379.3	0.00	100.00
152.0-153.0	0.0	0.0	74379.3	0.00	100.00
153.0-154.0	0.0	0.0	74379.3	0.00	100.00
154.0-155.0	0.0	0.0	74379.3	0.00	100.00
155.0-156.0	0.0	0.0	74379.3	0.00	100.00
156.0-157.0	0.0	0.0	74379.3	0.00	100.00
157.0-158.0	0.0	0.0	74379.3	0.00	100.00
158.0-159.0	0.0	0.0	74379.3	0.00	100.00
159.0-160.0	0.0	0.0	74379.3	0.00	100.00
160.0-161.0	0.0	0.0	74379.3	0.00	100.00
161.0-162.0	0.0	0.0	74379.3	0.00	100.00
162.0-163.0	0.0	0.0	74379.3	0.00	100.00
163.0-164.0	0.0	0.0	74379.3	0.00	100.00
164.0-165.0	0.0	0.0	74379.3	0.00	100.00
165.0-166.0	0.0	0.0	74379.3	0.00	100.00
166.0-167.0	0.0	0.0	74379.3	0.00	100.00
167.0-168.0	0.0	0.0	74379.3	0.00	100.00
168.0-169.0	0.0	0.0	74379.3	0.00	100.00
169.0-170.0	0.0	0.0	74379.3	0.00	100.00
170.0-171.0	0.0	0.0	74379.3	0.00	100.00
171.0-172.0	0.0	0.0	74379.3	0.00	100.00
172.0-173.0	0.0	0.0	74379.3	0.00	100.00
173.0-174.0	0.0	0.0	74379.3	0.00	100.00
174.0-175.0	0.0	0.0	74379.3	0.00	100.00
175.0-176.0	0.0	0.0	74379.3	0.00	100.00
176.0-177.0	0.0	0.0	74379.3	0.00	100.00
177.0-178.0	0.0	0.0	74379.3	0.00	100.00
178.0-179.0	0.0	0.0	74379.3	0.00	100.00
179.0-180.0	0.0	0.0	74379.3	0.00	100.00

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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°): 60087.07 lm

%lum = 80.8%
%lamp = 80.8%

cone flux(120°): 69196.88 lm

%lum = 93.0%
%lamp = 93.0%

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	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2
G1.0	65656.0	65631.4	65608.6	65560.1	65469.1	65418.5	65332.3	65281.1	65264.1	65249.8
G2.0	65769.8	65732.0	65641.1	65563.4	65423.8	65307.9	65135.4	65005.6	64971.4	64916.9
G3.0	65857.6	65759.7	65641.1	65501.5	65323.5	65130.5	64923.9	64726.9	64607.2	64592.2
G4.0	65799.0	65681.7	65527.4	65402.2	65213.5	64977.6	64675.0	64423.9	64178.0	64135.9
G5.0	65699.8	65504.7	65363.5	65265.4	65012.8	64731.9	64378.9	64077.1	63740.6	63692.6
G6.0	65503.1	65264.4	65131.4	65053.7	64783.1	64435.8	64027.5	63683.3	63264.2	63158.4
G7.0	65278.7	64967.3	64834.4	64793.2	64474.0	64084.4	63654.9	63262.0	62789.4	62541.4
G8.0	64969.8	64558.1	64466.0	64482.2	64109.9	63645.1	63189.6	62783.9	62202.4	61895.2
G9.0	64613.7	64061.2	63992.0	64057.3	63627.8	63067.6	62589.3	62226.5	61652.9	61188.8
G10.0	64145.4	63486.4	63505.1	63591.6	63014.5	62429.8	61953.2	61609.1	60906.5	60398.1
G11.0	63548.7	62802.8	62878.6	62992.4	62317.2	61557.7	61183.6	60876.6	60080.6	59498.5
G12.0	62878.8	61963.4	62057.4	62316.7	61472.5	60617.3	60183.1	60037.2	59226.9	58498.3
G13.0	62049.6	61096.3	61258.8	61398.4	60435.4	59455.7	59125.6	58956.4	58231.8	57353.6
G14.0	61171.6	60112.3	60249.3	60384.0	59251.0	58349.4	57926.5	57872.2	57095.3	56168.3
G15.0	60191.1	58970.8	59122.9	59216.6	58077.9	56917.6	56535.5	56556.4	55867.7	54937.5
G16.0	59009.1	57727.0	57830.9	58006.8	56655.6	55417.6	55055.0	55117.4	54423.9	53679.1
G17.0	57680.6	56419.9	56467.6	56388.4	55097.5	53821.5	53488.3	53558.5	52960.5	52294.0
G18.0	56085.6	55049.5	54992.2	54875.8	53511.8	52230.4	51850.0	51985.0	51402.8	50874.9
G19.0	54581.6	53456.6	53315.6	53232.9	51685.0	50437.4	50071.8	50314.3	49848.4	49312.8
G20.0	52952.4	51953.0	51679.6	51314.9	49942.4	48760.1	48410.7	48395.7	48032.3	47807.6
G21.0	51085.8	50387.8	50003.0	49466.8	48000.8	46854.9	46666.6	46631.0	46305.5	46232.6
G22.0	49307.0	48562.7	48206.2	47526.0	46175.6	45066.8	44875.4	44804.7	44572.2	44667.3
G23.0	47432.3	46836.6	46344.6	45590.0	44310.0	43285.3	42923.1	42970.3	42762.5	43011.1
G24.0	45529.9	45058.7	44322.3	43652.5	42447.6	41508.7	41167.6	41116.5	41001.6	41319.2
G25.0	43583.7	43210.8	42421.7	41690.5	40593.4	39696.2	39347.1	39280.5	39214.7	39490.9
G26.0	41578.9	41341.9	40527.6	39536.3	38549.8	37870.8	37568.9	37420.2	37276.6	37789.2
G27.0	39551.3	39416.2	38555.6	37554.8	36855.7	36030.7	35774.4	35555.0	35463.6	36017.7
G28.0	37517.2	37461.2	36585.2	35801.2	35012.8	34234.5	33960.4	33744.9	33688.1	34249.5
G29.0	35525.4	35520.8	34666.7	33896.2	33181.1	32409.1	32190.3	31939.7	31884.9	32440.6
G30.0	33562.9	33578.9	32775.9	32079.1	31210.4	30669.9	30428.3	30178.2	30072.0	30620.4
G31.0	31647.5	31649.9	30902.9	30226.2	29456.4	28925.8	28716.8	28420.0	28345.2	28678.4
G32.0	29748.4	29678.6	29026.6	28410.7	27864.3	27157.2	26946.7	26720.1	26509.5	26958.9
G33.0	27885.1	27736.6	27169.9	26657.1	26071.5	25406.6	25220.5	25036.4	24802.3	25244.2
G34.0	26046.1	26060.9	25343.9	24888.9	24340.2	23743.9	23496.0	23367.3	23158.4	23568.5
G35.0	24301.5	24265.1	23644.6	23254.2	22689.8	22138.1	21927.7	21785.8	21607.3	21982.1
G36.0	22662.5	22563.4	22045.9	21546.2	21149.4	20642.9	20417.9	20118.3	20051.2	20264.2

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	21061.0	20869.9	20530.0	20064.5	19667.3	19146.1	18995.9	18679.3	18527.7	18817.5
G38.0	19519.6	19332.2	18890.7	18748.9	18248.3	17815.2	17593.5	17293.8	17187.9	17481.1
G39.0	18083.8	18008.8	17649.1	17420.3	16874.5	16507.2	16282.2	16140.0	15996.1	16232.5
G40.0	16765.2	16596.2	16349.0	16140.5	15662.6	15298.3	15154.8	14876.0	14872.6	15066.6
G41.0	15617.3	15466.1	15211.2	15051.2	14547.8	14229.4	13967.1	13860.0	13822.2	13876.4
G42.0	14492.1	14319.7	14091.3	13939.2	13492.8	13222.3	13044.7	12856.9	12918.2	12905.4
G43.0	13523.0	13366.6	13117.5	12999.7	12585.1	12360.0	12148.2	11960.8	11910.1	12067.6
G44.0	12620.6	12432.9	12224.8	12120.4	11748.6	11523.8	11310.4	11163.5	11110.1	11293.1
G45.0	11705.2	11569.1	11502.6	11294.9	10902.3	10690.8	10542.5	10395.4	10409.3	10437.4
G46.0	10911.8	10788.1	10611.5	10537.8	10146.7	9991.2	9790.8	9684.0	9637.0	9781.4
G47.0	10230.5	10128.9	9968.8	9854.0	9470.4	9376.2	9218.1	9039.0	9061.4	9153.0
G48.0	9533.0	9442.0	9311.4	9249.9	8862.0	8790.5	8627.6	8488.1	8482.6	8586.3
G49.0	8950.9	8862.4	8758.0	8655.6	8281.1	8260.1	8090.7	7919.3	8009.4	8031.0
G50.0	8412.7	8295.7	8237.0	8084.1	7782.8	7780.1	7664.4	7504.5	7487.5	7521.1
G51.0	7859.9	7768.0	7789.0	7708.0	7328.1	7274.1	7194.2	7058.8	7035.5	7082.7
G52.0	7398.1	7316.5	7266.4	7162.5	6907.4	6821.9	6774.5	6624.5	6663.2	6725.5
G53.0	6970.5	6930.1	6896.3	6768.5	6473.8	6481.8	6401.9	6256.7	6294.1	6288.7
G54.0	6588.4	6527.4	6493.8	6394.0	6171.2	6136.9	6086.3	5906.7	5957.5	5967.2
G55.0	6206.3	6188.1	6154.6	6040.7	5802.3	5772.5	5739.8	5627.9	5604.7	5595.4
G56.0	5881.1	5814.6	5758.6	5734.6	5488.4	5484.5	5404.6	5290.9	5360.8	5351.8
G57.0	5538.0	5481.7	5429.1	5360.1	5195.5	5164.0	5103.7	5042.9	5045.3	5033.6
G58.0	5204.7	5196.0	5145.1	5068.6	4902.7	4877.6	4825.5	4701.0	4780.3	4807.9
G59.0	4967.3	4869.6	4846.4	4782.1	4642.2	4583.1	4548.9	4467.7	4505.5	4439.3
G60.0	4676.2	4606.5	4573.8	4547.6	4362.2	4353.7	4285.3	4218.1	4307.2	4194.1
G61.0	4406.3	4348.4	4307.6	4239.9	4116.3	4121.1	4039.6	4023.7	4037.2	4007.4
G62.0	4110.4	4083.7	4036.5	4046.1	3905.9	3872.2	3823.3	3817.9	3767.3	3773.6
G63.0	3889.3	3905.1	3819.0	3813.3	3726.3	3672.0	3592.2	3607.2	3585.2	3583.6
G64.0	3673.0	3648.5	3616.2	3572.3	3488.5	3483.3	3424.7	3378.7	3372.2	3359.5
G65.0	3443.8	3481.3	3390.6	3399.7	3289.5	3325.5	3211.5	3226.4	3118.6	3203.6
G66.0	3258.4	3260.5	3234.7	3196.2	3084.0	3092.9	3016.3	3025.4	2947.9	2964.9
G67.0	3048.7	3020.1	3018.9	3031.7	2883.3	2881.4	2803.2	2843.9	2746.2	2765.2
G68.0	2856.8	2846.4	2791.6	2792.4	2723.2	2733.3	2666.5	2605.7	2577.1	2589.9
G69.0	2650.3	2638.6	2639.1	2608.4	2493.4	2520.2	2443.6	2461.5	2429.2	2386.9
G70.0	2484.5	2443.7	2468.7	2445.6	2368.8	2331.4	2250.0	2293.0	2225.9	2218.0
G71.0	2315.4	2287.8	2270.6	2227.4	2150.4	2176.9	2105.2	2135.8	2053.6	2063.8
G72.0	2169.0	2153.1	2124.6	2054.8	2006.4	2006.0	1927.9	1964.0	1886.1	1891.6
G73.0	1967.4	1896.5	1941.2	1921.3	1825.1	1775.0	1763.6	1811.7	1668.2	1698.4

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	1795.0	1734.2	1761.0	1709.6	1642.3	1649.7	1565.1	1599.4	1502.4	1549.0
G75.0	1626.0	1570.2	1543.5	1532.2	1506.4	1431.7	1423.6	1476.3	1398.3	1383.4
G76.0	1435.7	1427.3	1402.3	1385.6	1328.4	1298.3	1264.1	1260.7	1230.8	1234.0
G77.0	1282.9	1289.2	1207.6	1266.8	1184.4	1207.2	1107.9	1131.1	1081.3	1086.3
G78.0	1118.7	1112.3	1095.6	1079.5	1042.0	1010.3	955.0	977.1	882.9	919.0
G79.0	985.3	974.2	943.0	933.0	851.1	844.4	803.7	870.2	788.6	740.4
G80.0	829.2	841.1	793.7	749.0	726.5	709.4	697.9	703.3	658.5	613.8
G81.0	674.8	613.8	665.5	594.3	571.2	554.8	481.6	622.3	521.9	518.0
G82.0	570.7	506.6	525.9	496.6	503.2	390.5	392.1	510.4	348.0	371.8
G83.0	419.5	396.2	420.4	405.4	372.1	330.3	304.2	346.8	304.1	284.2
G84.0	313.8	292.3	282.4	226.3	254.0	240.8	216.4	270.6	193.5	162.4
G85.0	221.1	228.9	204.5	224.7	153.7	149.7	157.8	192.8	84.5	118.5
G86.0	139.8	157.5	178.5	78.1	89.0	113.9	97.6	97.2	0.0	79.6
G87.0	0.0	71.4	89.3	125.4	77.7	99.2	79.7	82.6	0.0	0.0
G88.0	74.8	89.3	115.2	127.0	85.8	84.6	68.3	115.1	0.0	66.6
G89.0	71.5	87.7	99.0	89.5	76.0	109.0	0.0	68.1	69.9	81.2
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: 25.6 '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: 25.6 '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: 25.6 '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	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2	65498.2			
G1.0	65298.6	65364.7	65464.3	65547.0	65626.8	65631.1	65656.0			
G2.0	65029.2	65205.2	65435.1	65595.8	65693.5	65751.0	65769.8			
G3.0	64715.9	65004.9	65357.5	65625.1	65799.2	65778.6	65857.6			
G4.0	64336.1	64767.2	65226.4	65563.3	65797.6	65780.2	65799.0			
G5.0	63949.8	64493.6	65063.0	65482.0	65779.7	65725.1	65699.8			
G6.0	63479.2	64156.6	64862.3	65382.7	65685.3	65616.5	65503.1			
G7.0	62904.6	63791.9	64626.1	65205.4	65521.0	65422.1	65278.7			
G8.0	62346.3	63368.5	64260.4	64873.5	65281.9	65213.0	64969.8			
G9.0	61688.9	62863.8	63815.5	64513.9	64940.2	64888.9	64613.7			
G10.0	60953.7	62220.6	63289.6	63978.6	64502.6	64472.5	64145.4			
G11.0	60096.7	61562.8	62603.6	63350.6	63918.5	63884.2	63548.7			
G12.0	59192.7	60765.0	61818.8	62517.6	63183.1	63231.2	62878.8			
G13.0	58097.1	59864.6	60872.3	61554.5	62239.5	62448.5	62049.6			
G14.0	56978.8	58780.2	59679.8	60340.8	61188.5	61503.7	61171.6			
G15.0	55756.7	57591.6	58561.7	59037.6	59942.3	60398.6	60191.1			
G16.0	54461.5	56279.3	57055.3	57638.4	58583.8	59160.5	59009.1			
G17.0	53075.4	54667.3	55563.5	56096.0	57061.0	57538.4	57680.6			
G18.0	51626.0	53076.6	53934.1	54425.1	55437.4	55963.3	56085.6			
G19.0	49999.7	51487.4	52254.6	52762.4	53587.5	54300.7	54581.6			
G20.0	48425.4	49738.7	50309.7	50810.0	51784.9	52487.4	52952.4			
G21.0	46810.4	47946.1	48445.7	48989.5	49907.4	50599.5	51085.8			
G22.0	45141.9	45902.7	46585.0	47128.2	48062.5	48654.9	49307.0			
G23.0	43408.5	44018.8	44664.4	45236.0	46116.7	46441.4	47432.3			
G24.0	41522.5	42136.6	42800.4	43326.0	44182.3	44456.3	45529.9			
G25.0	39811.8	40286.9	40925.1	41497.3	42098.2	42474.4	43583.7			
G26.0	38068.7	38271.2	38904.1	39465.2	40206.1	40533.1	41578.9			
G27.0	36255.7	36428.1	37028.8	37568.2	38318.9	38368.1	39551.3			
G28.0	34452.5	34563.8	35192.3	35710.2	36397.5	36421.9	37517.2			
G29.0	32459.4	32769.5	33388.2	33850.6	34363.8	34488.7	35525.4			
G30.0	30656.2	30941.0	31584.1	32030.0	32457.1	32571.7	33562.9			
G31.0	28903.3	29211.8	29652.2	30067.9	30652.8	30735.7	31647.5			
G32.0	27174.7	27352.4	27932.2	28314.0	28864.8	28948.3	29748.4			
G33.0	25436.5	25642.8	26234.9	26605.7	27068.7	27003.7	27885.1			
G34.0	23803.7	24012.9	24586.1	24881.1	25354.0	25260.1	26046.1			
G35.0	22024.8	22415.6	22968.1	23067.1	23523.7	23532.6	24301.5			
G36.0	20471.5	20893.3	21382.4	21513.3	21880.5	21913.8	22662.5			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	19048.1	19302.5	19749.8	20040.9	20360.9	20410.0	21061.0			
G38.0	17735.1	17995.0	18385.8	18659.6	18960.1	18828.4	19519.6			
G39.0	16327.9	16699.0	17052.5	17322.3	17580.5	17493.1	18083.8			
G40.0	15191.8	15539.7	15816.3	15971.9	16199.3	16237.2	16765.2			
G41.0	14101.1	14432.5	14711.2	14833.0	15040.9	15080.2	15617.3			
G42.0	13150.0	13450.7	13565.6	13840.6	14002.9	14044.7	14492.1			
G43.0	12291.4	12452.6	12659.5	12939.2	13056.0	13020.6	13523.0			
G44.0	11419.8	11649.9	11847.3	12008.6	12105.9	12116.3	12620.6			
G45.0	10652.1	10874.9	10959.0	11188.6	11360.8	11327.2	11705.2			
G46.0	9960.7	10202.4	10229.2	10464.6	10570.1	10599.6	10911.8			
G47.0	9360.1	9495.8	9575.6	9802.4	9934.0	9881.7	10230.5			
G48.0	8784.0	8908.0	8925.1	9181.0	9291.4	9212.4	9533.0			
G49.0	8227.3	8364.1	8417.0	8577.3	8682.9	8676.1	8950.9			
G50.0	7698.1	7885.4	7852.3	8058.3	8185.0	8100.8	8412.7			
G51.0	7269.6	7432.8	7397.7	7654.9	7714.9	7663.3	7859.9			
G52.0	6904.5	7004.6	7030.4	7170.0	7275.6	7167.4	7398.1			
G53.0	6469.5	6574.7	6549.8	6751.9	6842.8	6760.7	6970.5			
G54.0	6112.4	6239.3	6245.6	6348.4	6445.9	6413.9	6588.4			
G55.0	5800.8	5890.9	5844.4	6005.1	6094.4	6065.5	6206.3			
G56.0	5445.3	5522.9	5596.8	5699.2	5787.0	5683.0	5881.1			
G57.0	5127.2	5224.9	5260.2	5364.1	5443.7	5414.0	5538.0			
G58.0	4831.8	4972.6	4977.1	5097.3	5176.9	5099.7	5204.7			
G59.0	4573.8	4708.8	4668.0	4791.4	4814.1	4832.3	4967.3			
G60.0	4245.9	4453.2	4433.4	4514.8	4558.6	4537.3	4676.2			
G61.0	4028.4	4140.5	4182.6	4256.1	4324.4	4289.4	4406.3			
G62.0	3815.8	3925.6	3951.2	3994.2	4015.2	3979.9	4110.4			
G63.0	3660.0	3748.2	3737.7	3818.5	3837.9	3816.2	3889.3			
G64.0	3439.2	3515.3	3514.4	3571.2	3631.3	3613.7	3673.0			
G65.0	3233.1	3372.0	3307.3	3447.5	3437.7	3432.2	3443.8			
G66.0	2994.5	3106.6	3092.1	3177.5	3214.8	3210.2	3258.4			
G67.0	2840.3	2904.7	2922.2	3011.5	3011.4	2988.2	3048.7			
G68.0	2618.0	2720.7	2711.8	2806.5	2775.5	2787.2	2856.8			
G69.0	2473.5	2522.1	2535.5	2609.7	2608.0	2581.4	2650.3			
G70.0	2296.6	2362.5	2352.6	2432.3	2414.3	2416.1	2484.5			
G71.0	2144.1	2167.2	2228.0	2215.9	2224.0	2257.3	2315.4			
G72.0	1899.0	1996.2	1990.2	2077.6	2066.2	2067.7	2169.0			
G73.0	1748.0	1854.5	1839.7	1862.9	1901.9	1938.1	1967.4			

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 '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	1626.3	1660.8	1692.5	1745.7	1700.1	1748.5	1795.0			
G75.0	1428.3	1483.3	1508.0	1535.9	1550.5	1584.8	1626.0			
G76.0	1256.2	1331.9	1354.3	1379.7	1402.4	1398.5	1435.7			
G77.0	1115.0	1169.1	1216.8	1233.2	1239.7	1239.7	1282.9			
G78.0	921.9	1009.5	1051.7	1096.6	1088.4	1059.8	1118.7			
G79.0	855.3	833.7	914.2	930.6	878.5	909.1	985.3			
G80.0	693.0	758.7	731.4	750.0	777.7	810.2	829.2			
G81.0	543.7	581.3	681.2	597.1	673.5	675.7	674.8			
G82.0	358.7	468.9	519.4	549.9	536.9	453.7	570.7			
G83.0	327.9	358.2	401.3	390.5	374.2	405.1	419.5			
G84.0	241.8	219.8	283.2	302.6	266.8	278.7	313.8			
G85.0	128.2	157.9	173.1	172.5	221.3	209.0	221.1			
G86.0	89.3	125.4	111.6	141.5	128.5	142.6	139.8			
G87.0	73.0	107.5	93.8	126.9	0.0	89.1	0.0			
G88.0	92.5	112.3	98.7	0.0	109.0	94.0	74.8			
G89.0	105.5	84.7	110.0	92.7	104.1	87.5	71.5			
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: 25.6 '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: 25.6 '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: 25.6 '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