

Report No.:

Test Time: 2023/2/21 11:51

## Luminaire Property

Luminaire Manufacturer:  
Luminaire Category: 大炮  
Lamp Catalog: W  
Luminous Width (mm): 70  
Voltage: 219.3 V  
Power: 9.61 W

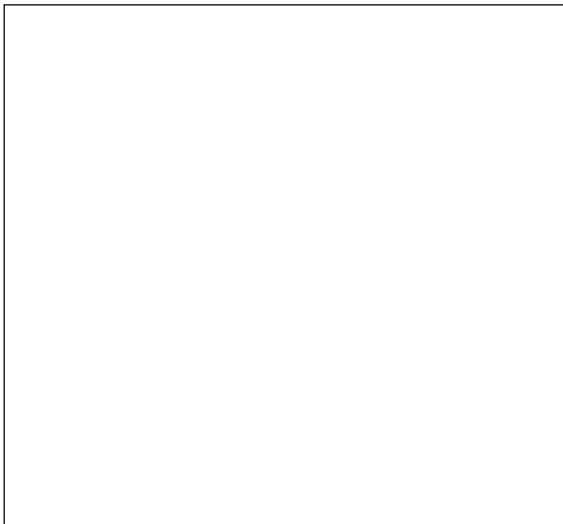
Luminaire Description: 25  
Luminous Length (mm): 270  
Luminous Height (mm): 20  
Current: 0.107 A  
Power Factor: 0.411

## Photometric Results

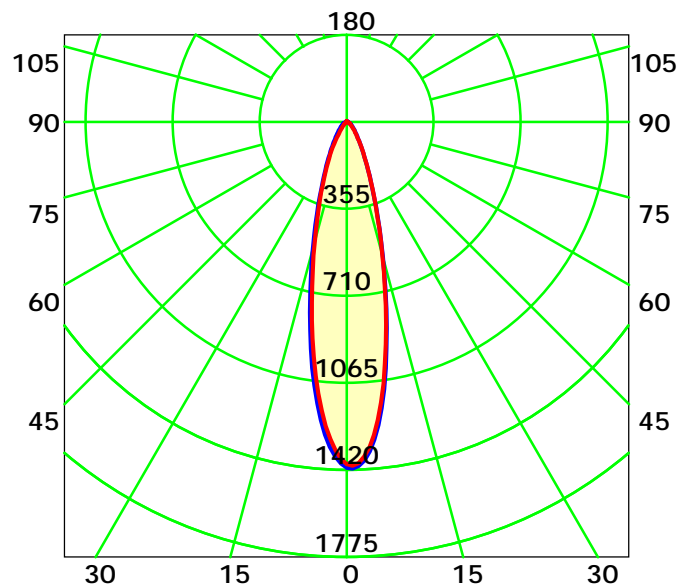
CIE Class: Direct  
Measurement Flux: 474.2 lm  
Downward Ratio: 97%  
Horizontal Diffuse Angle(10%,50%): H57.1,H25.2  
Vertical Diffuse Angle(10%,50%): V56,V24.7  
Luminaire Efficacy Rating (LER): 49  
Max. Intensity: 1414.48 cd

Total Rated Lamp Lumens: 474.2 lm  
Efficiency: 100%  
Upward Ratio: 3%  
Central Intensity: 1410.56 cd  
Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



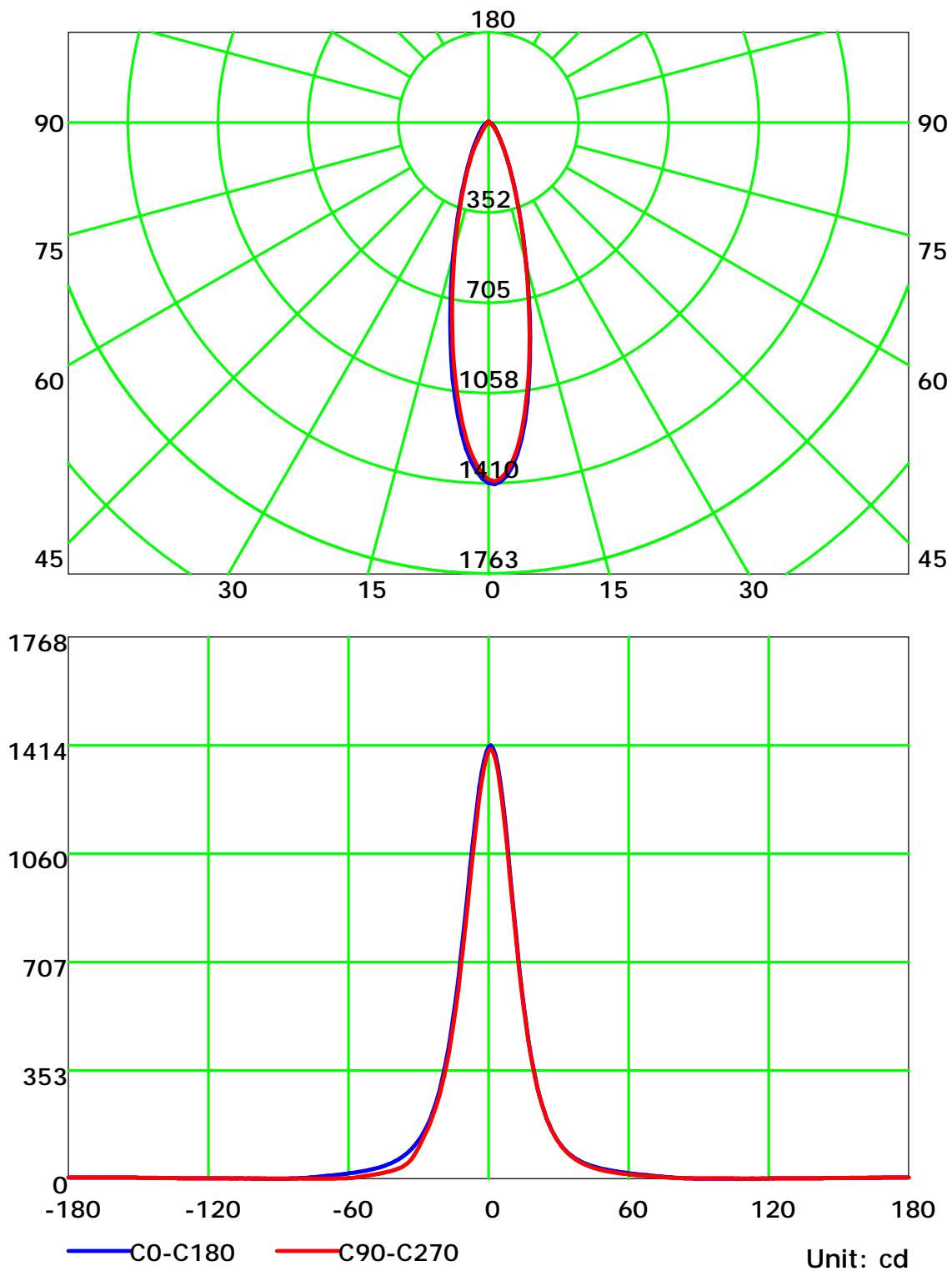
Average Diffuse Angle(50%): 24.9° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

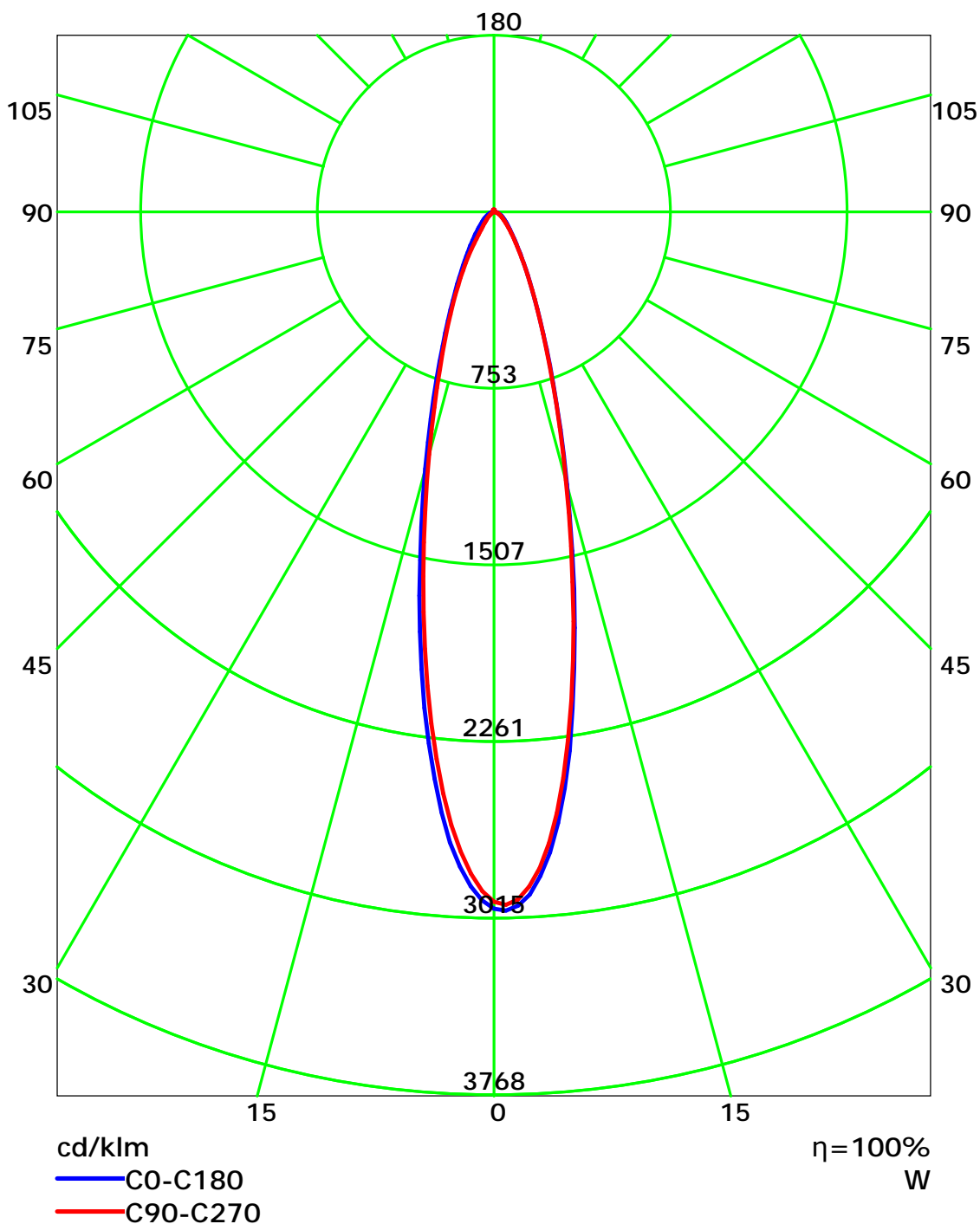
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

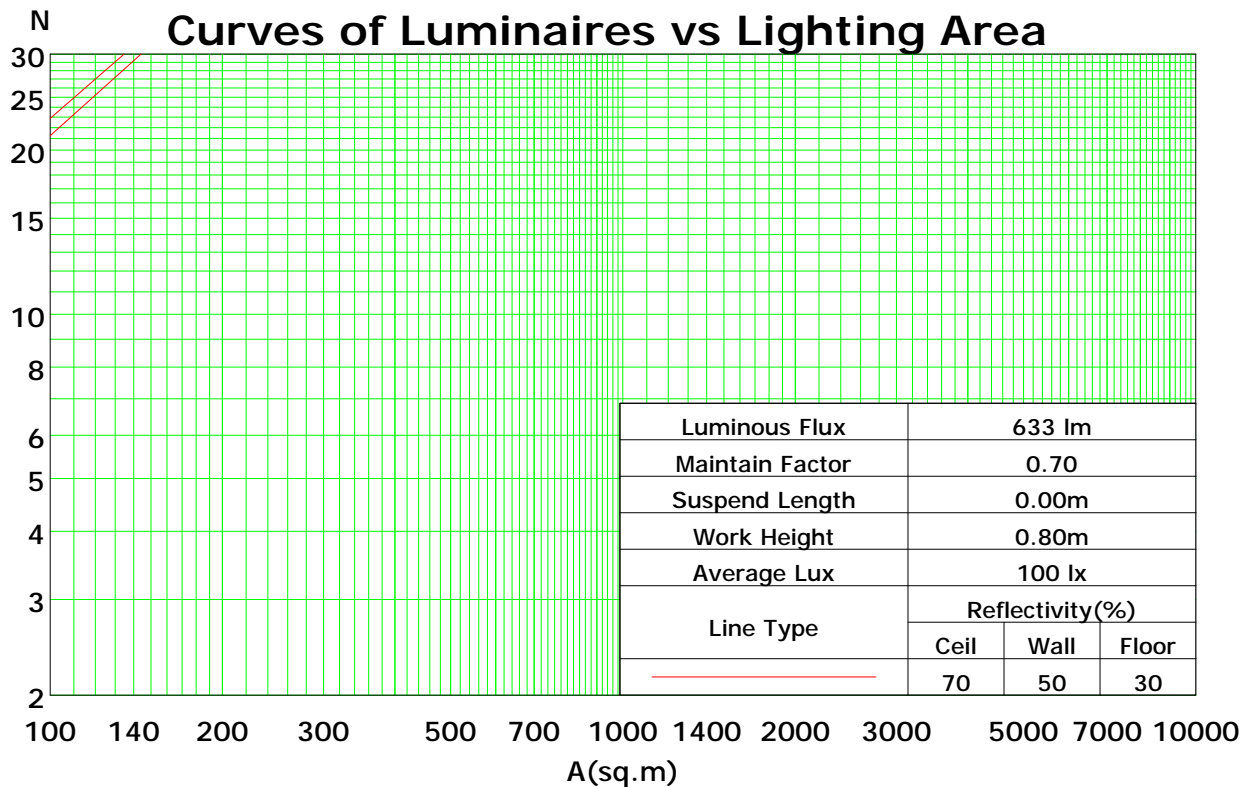
## Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	113	110	107	105	110	107	105	103	103	101	99	98	97	96	95	93	92	90
2	107	102	98	95	105	100	97	94	97	94	91	93	91	89	90	88	86	85
3	102	96	91	87	100	94	90	86	91	87	84	88	85	83	86	83	81	79
4	97	90	85	81	95	89	84	80	86	82	79	84	81	78	82	79	76	75
5	93	85	80	76	91	84	79	75	82	78	74	80	76	73	78	75	72	71
6	89	81	75	71	88	80	75	71	78	74	70	77	73	69	75	71	69	67
7	86	77	71	68	84	76	71	67	75	70	67	73	69	66	72	68	66	64
8	82	73	68	64	81	73	68	64	72	67	64	70	66	63	69	65	63	61
9	79	70	65	61	78	70	65	61	69	64	61	68	63	60	67	63	60	59
10	76	67	62	59	75	67	62	59	66	61	58	65	61	58	64	60	58	57

Spacing Criteria (0-180): 0.42

Spacing Criteria (90-270): 0.42

Spacing Criteria (Diagonal): 0.45



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0

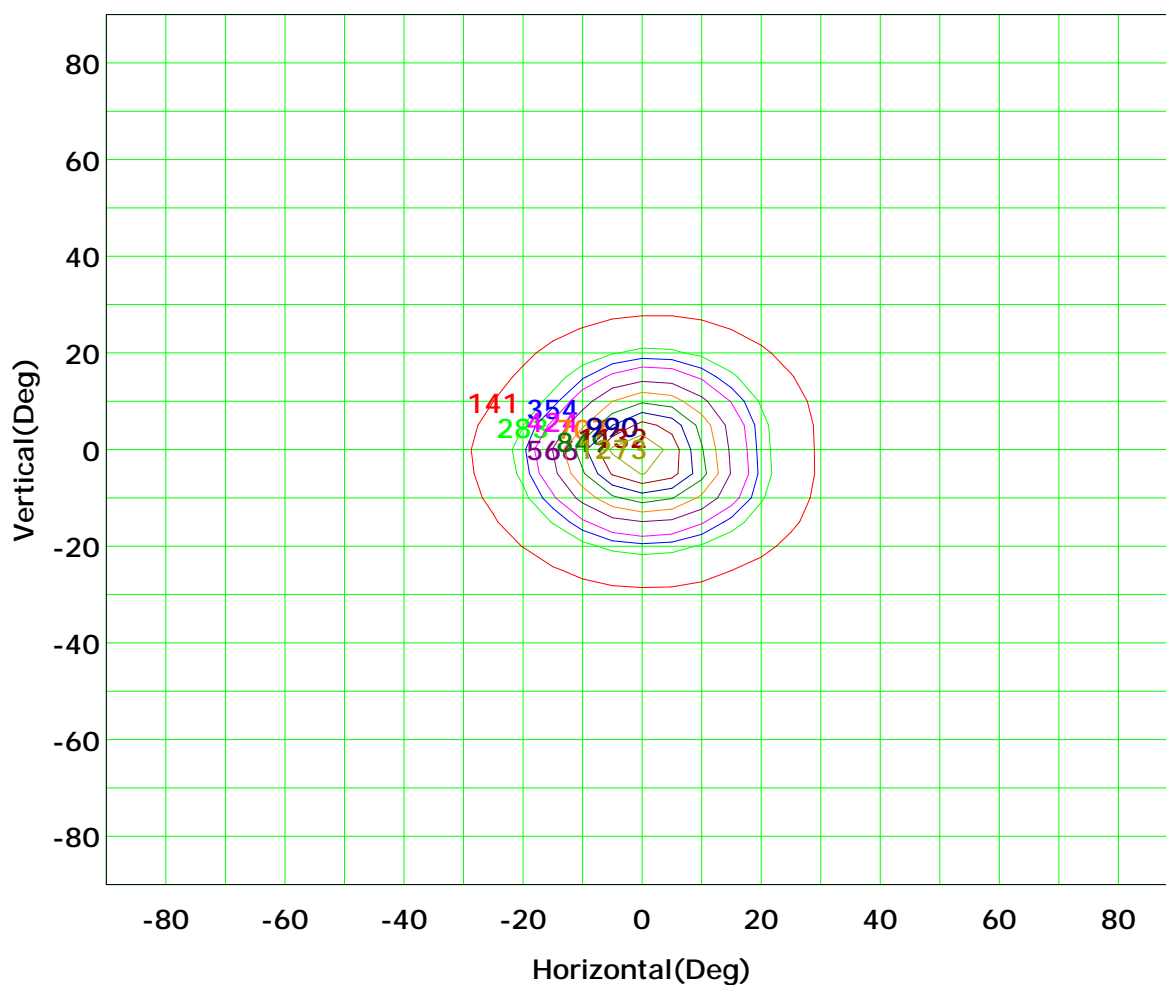
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



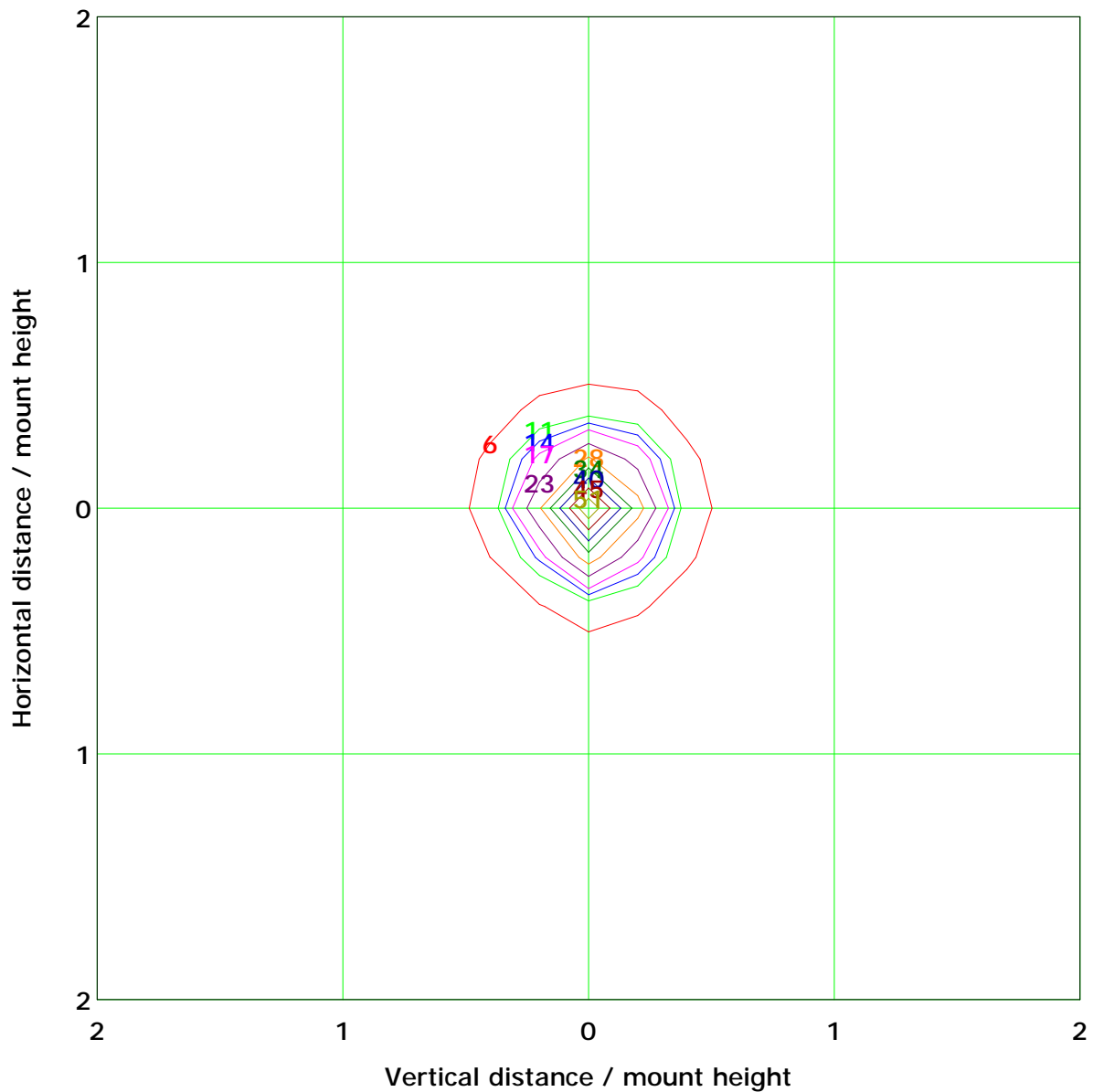
Imax (100%): 1414 cd

( 10%): 141 cd	( 20%): 283 cd
( 25%): 354 cd	( 30%): 424 cd
( 40%): 566 cd	( 50%): 707 cd
( 60%): 849 cd	( 70%): 990 cd
( 80%): 1132 cd	( 90%): 1273 cd

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## IsoLux Plot



Mounting Height: 5.0m    Max Lux(100%): 56.6 lx	
( 10%): 5.7 lx	( 20%): 11.3 lx
( 25%): 14.1 lx	( 30%): 17.0 lx
( 40%): 22.6 lx	( 50%): 28.3 lx
( 60%): 33.9 lx	( 70%): 39.6 lx
( 80%): 45.2 lx	( 90%): 50.9 lx

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

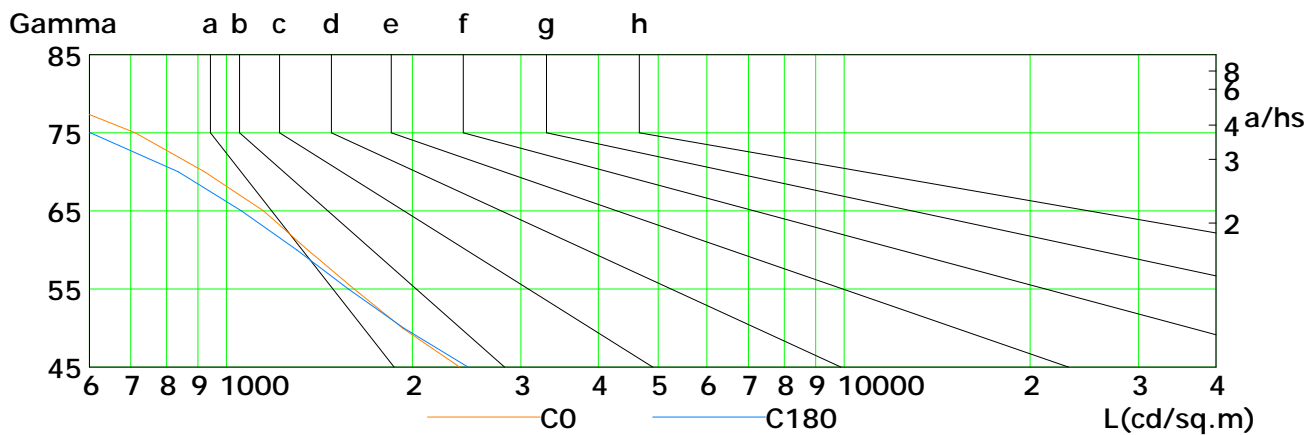
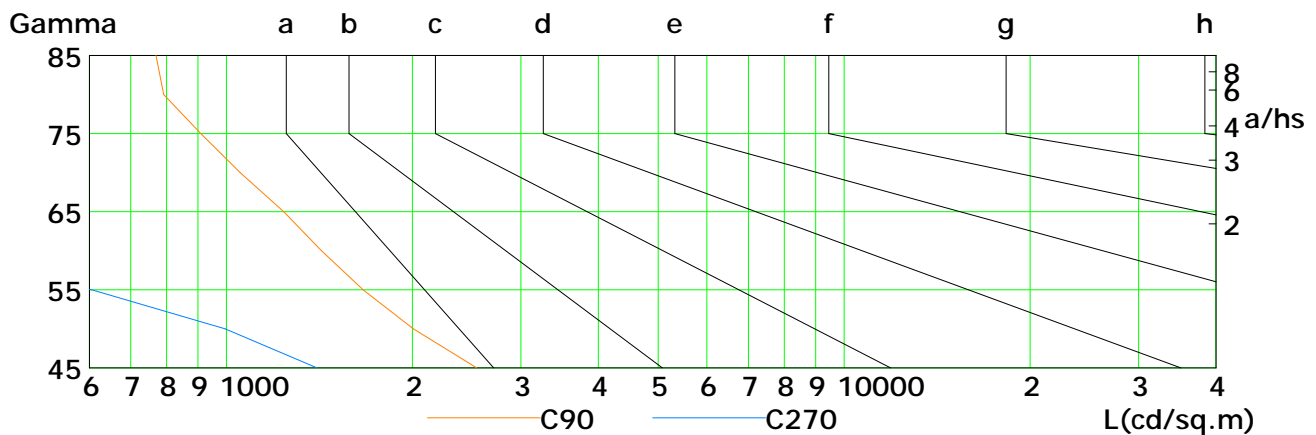
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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

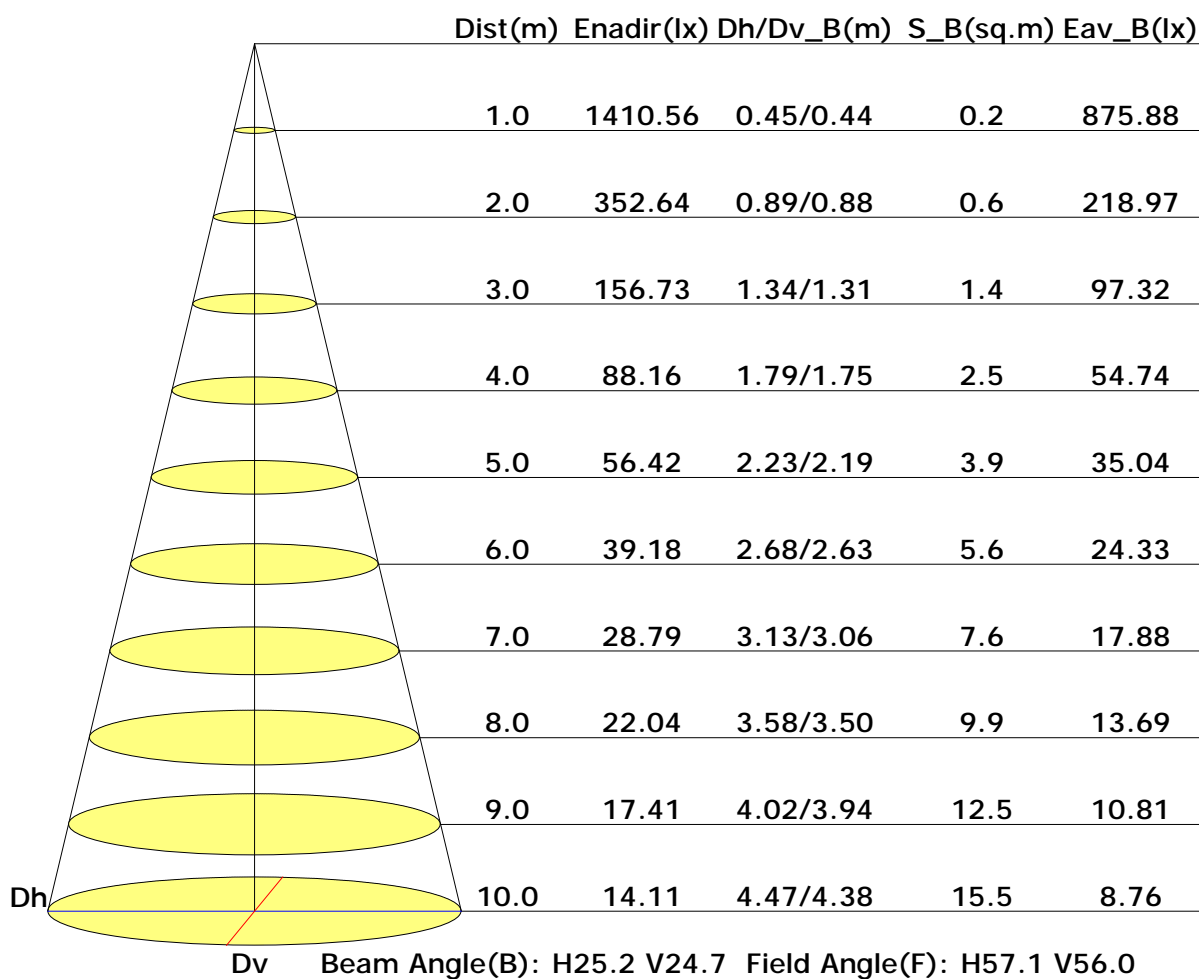


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2387	1929	1610	1354	1149	923	712	497	316
C90	2543	2009	1664	1427	1239	1053	910	792	769
C180	2462	1937	1576	1300	1058	836	603	388	258
C270	1402	996	606	258	196	211	263	365	539

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance



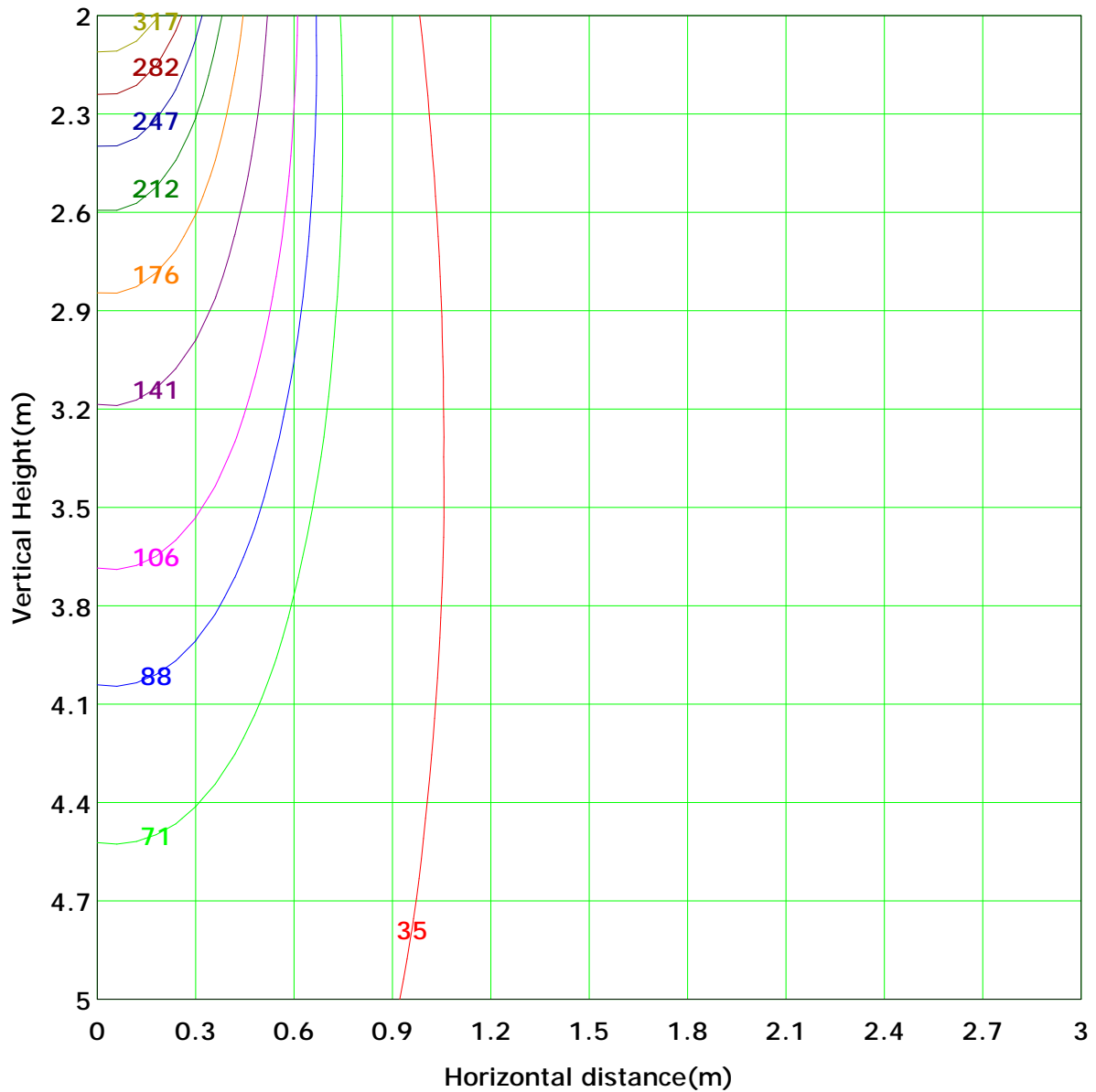
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 352.6 lx
( 10%): 35.3 lx	( 20%): 70.5 lx	
( 25%): 88.2 lx	( 30%): 105.8 lx	
( 40%): 141.1 lx	( 50%): 176.3 lx	
( 60%): 211.6 lx	( 70%): 246.8 lx	
( 80%): 282.1 lx	( 90%): 317.4 lx	

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Area Flux Table

Unit: lm

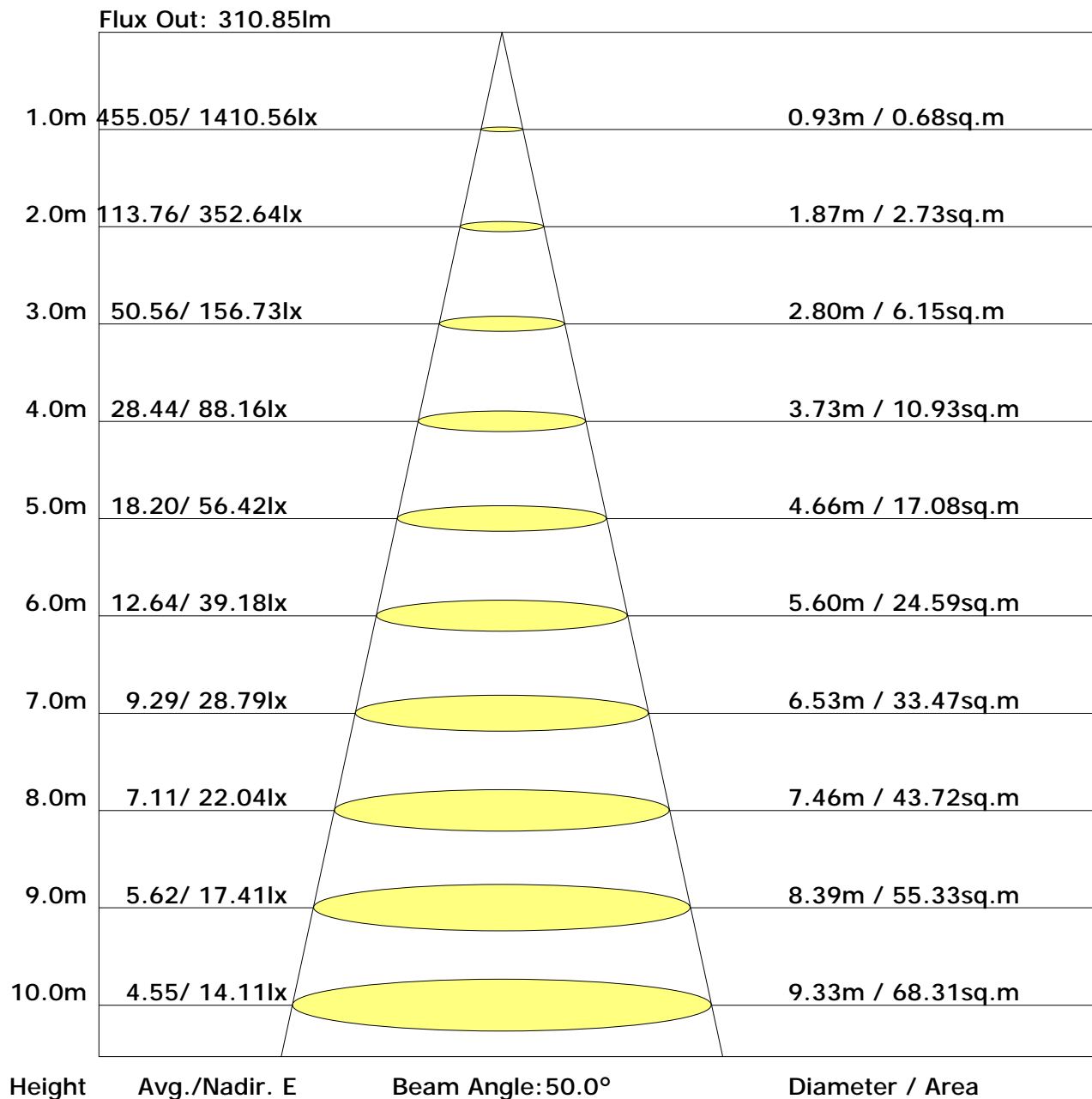
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
	-70	0.0	0.0	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	1.7	0.0
	-60	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	3.8	0.0
	-50	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	7.5	0.0
	-40	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	14.5	0.0
	-30	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	29.8	16.1
	-20	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	65.7	55.6
	-10	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	115.2	105.8
	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	0.0	110.2	100.7
	10	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	58.6	48.0
	20	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	25.9	11.2
	30	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	12.6	0.0
	40	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	6.8	0.0
	50	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	3.6	0.0
	60	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	1.8	0.0
	70	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	0.6	0.0
	80	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	0.1	0.0
	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	459	337
	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	459	
	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		337

C Plane (°): 0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
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	11.6	12.7	12.1	13.1	13.5	10.8	11.9	11.2	12.2	12.6
3H	13.1	14.0	13.5	14.4	14.8	11.9	12.8	12.3	13.2	13.6
4H	13.5	14.4	14.0	14.8	15.3	12.2	13.1	12.7	13.5	14.0
6H	13.9	14.6	14.3	15.1	15.5	12.4	13.2	12.9	13.6	14.1
8H	14.0	14.7	14.4	15.1	15.6	12.5	13.2	13.0	13.7	14.1
12H	14.0	14.7	14.5	15.2	15.7	12.5	13.2	13.0	13.7	14.2
X=4H Y=2H	11.7	12.6	12.2	13.0	13.4	11.3	12.2	11.8	12.6	13.1
3H	13.2	13.9	13.7	14.4	14.9	12.6	13.2	13.0	13.7	14.2
4H	13.8	14.4	14.3	14.9	15.4	13.0	13.6	13.5	14.1	14.6
6H	14.2	14.8	14.8	15.3	15.8	13.2	13.8	13.8	14.3	14.8
8H	14.4	14.9	14.9	15.4	15.9	13.3	13.8	13.8	14.3	14.9
12H	14.5	14.9	15.0	15.4	16.0	13.4	13.8	13.9	14.4	14.9
X=8H Y=4H	13.8	14.3	14.3	14.8	15.3	13.1	13.6	13.7	14.1	14.7
6H	14.3	14.7	14.8	15.2	15.8	13.5	13.9	14.1	14.5	15.0
8H	14.4	14.8	15.0	15.4	15.9	13.6	14.0	14.2	14.6	15.1
12H	14.6	14.9	15.2	15.5	16.1	13.8	14.1	14.4	14.6	15.3
X=12H Y=4H	13.7	14.2	14.3	14.7	15.3	13.1	13.6	13.7	14.1	14.7
6H	14.2	14.6	14.8	15.1	15.7	13.5	13.9	14.1	14.4	15.0
8H	14.4	14.8	15.0	15.3	16.0	13.7	14.0	14.3	14.6	15.2

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.50								
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	0.97	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	0.80	0.87	0.91	0.94	0.98	1.00	1.02	1.04	1.06
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	1.02	1.04
	0.20		0.73	0.79	0.84	0.87	0.92	0.95	0.97	1.00	1.02
0.30	0.50	0.20	0.79	0.85	0.89	0.91	0.95	0.97	0.98	1.00	1.01
	0.30		0.75	0.81	0.85	0.88	0.92	0.95	0.96	0.99	1.00
	0.20		0.72	0.78	0.83	0.86	0.90	0.93	0.95	0.97	0.99
0.00	0.00	0.00	0.70	0.76	0.80	0.83	0.86	0.88	0.90	0.92	0.93
Rating: 10W 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 = 0.50									
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	0.63	0.51	0.43	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	0.38	0.34	0.30	0.24	0.21	0.18	0.14	0.12	
0.50	0.50	0.20	0.60	0.48	0.40	0.35	0.27	0.27	0.19	0.15	0.12	
	0.30		0.51	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12	
	0.20		0.44	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11	
0.30	0.50	0.20	0.57	0.45	0.38	0.32	0.25	0.21	0.18	0.13	0.11	
	0.30		0.49	0.40	0.34	0.29	0.23	0.19	0.17	0.13	0.11	
	0.20		0.42	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10	
0.00	0.00	0.00	0.29	0.23	0.19	0.16	0.13	0.11	0.09	0.07	0.06	
Rating: 10W 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(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24	
	0.30		0.12	0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21	
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.21	0.21	0.22	0.23	0.23	
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22	
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21	
0.30	0.50	0.20	0.15	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20	
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Rating: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1394.3	1.3	1.3	0.28	0.28
1.0-2.0	1380.6	4.0	5.3	0.84	1.12
2.0-3.0	1354.0	6.5	11.8	1.37	2.48
3.0-4.0	1316.1	8.8	20.6	1.86	4.34
4.0-5.0	1267.2	10.9	31.5	2.30	6.64
5.0-6.0	1209.0	12.7	44.2	2.68	9.32
6.0-7.0	1143.7	14.2	58.4	2.99	12.31
7.0-8.0	1072.9	15.4	73.8	3.24	15.55
8.0-9.0	998.2	16.2	89.9	3.41	18.97
9.0-10.0	921.6	16.7	106.6	3.52	22.48
10.0-11.0	846.0	16.9	123.5	3.57	26.05
11.0-12.0	772.1	16.9	140.4	3.56	29.61
12.0-13.0	701.8	16.7	157.1	3.51	33.12
13.0-14.0	635.9	16.3	173.3	3.43	36.55
14.0-15.0	574.3	15.8	189.1	3.33	39.88
15.0-16.0	518.2	15.2	204.3	3.20	43.08
16.0-17.0	467.3	14.6	218.8	3.07	46.15
17.0-18.0	420.4	13.9	232.7	2.92	49.08
18.0-19.0	378.2	13.2	245.9	2.78	51.85
19.0-20.0	340.6	12.5	258.3	2.63	54.48
20.0-21.0	306.8	11.8	270.1	2.48	56.97
21.0-22.0	276.6	11.1	281.2	2.34	59.31
22.0-23.0	249.6	10.5	291.7	2.21	61.52
23.0-24.0	225.5	9.9	301.6	2.08	63.60
24.0-25.0	204.1	9.3	310.9	1.96	65.56
25.0-26.0	184.9	8.7	319.6	1.84	67.40
26.0-27.0	167.7	8.2	327.8	1.73	69.13
27.0-28.0	152.2	7.7	335.5	1.62	70.75
28.0-29.0	138.2	7.2	342.7	1.53	72.28
29.0-30.0	125.7	6.8	349.5	1.43	73.71
30.0-31.0	114.3	6.4	355.9	1.34	75.05
31.0-32.0	103.9	6.0	361.8	1.26	76.31
32.0-33.0	94.6	5.6	367.4	1.18	77.48
33.0-34.0	86.3	5.2	372.6	1.10	78.58
34.0-35.0	78.7	4.9	377.5	1.03	79.61
35.0-36.0	72.0	4.6	382.1	0.97	80.58

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:



## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	65.9	4.3	386.4	0.91	81.49
37.0-38.0	60.6	4.0	390.4	0.85	82.34
38.0-39.0	55.9	3.8	394.3	0.80	83.15
39.0-40.0	51.7	3.6	397.9	0.76	83.91
40.0-41.0	48.0	3.4	401.3	0.72	84.63
41.0-42.0	44.7	3.2	404.5	0.68	85.31
42.0-43.0	41.6	3.1	407.6	0.65	85.96
43.0-44.0	38.9	2.9	410.5	0.62	86.58
44.0-45.0	36.3	2.8	413.3	0.59	87.17
45.0-46.0	34.0	2.7	416.0	0.56	87.73
46.0-47.0	31.9	2.5	418.5	0.53	88.27
47.0-48.0	29.9	2.4	420.9	0.51	88.77
48.0-49.0	28.0	2.3	423.2	0.49	89.26
49.0-50.0	26.3	2.2	425.4	0.46	89.72
50.0-51.0	24.7	2.1	427.5	0.44	90.16
51.0-52.0	23.2	2.0	429.5	0.42	90.58
52.0-53.0	21.7	1.9	431.4	0.40	90.98
53.0-54.0	20.4	1.8	433.2	0.38	91.36
54.0-55.0	19.1	1.7	434.9	0.36	91.72
55.0-56.0	17.9	1.6	436.5	0.34	92.06
56.0-57.0	16.8	1.5	438.1	0.32	92.38
57.0-58.0	15.8	1.5	439.5	0.31	92.69
58.0-59.0	14.8	1.4	440.9	0.29	92.98
59.0-60.0	13.8	1.3	442.2	0.28	93.26
60.0-61.0	12.9	1.2	443.4	0.26	93.52
61.0-62.0	12.1	1.2	444.6	0.25	93.77
62.0-63.0	11.3	1.1	445.7	0.23	94.00
63.0-64.0	10.6	1.0	446.8	0.22	94.22
64.0-65.0	10.0	1.0	447.7	0.21	94.43
65.0-66.0	9.4	0.9	448.7	0.20	94.62
66.0-67.0	8.8	0.9	449.6	0.19	94.81
67.0-68.0	8.2	0.8	450.4	0.18	94.99
68.0-69.0	7.7	0.8	451.2	0.17	95.15
69.0-70.0	7.2	0.7	451.9	0.16	95.31
70.0-71.0	6.7	0.7	452.6	0.15	95.45
71.0-72.0	6.2	0.6	453.3	0.14	95.59

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	5.7	0.6	453.9	0.13	95.71
73.0-74.0	5.2	0.6	454.4	0.12	95.83
74.0-75.0	4.8	0.5	454.9	0.11	95.94
75.0-76.0	4.4	0.5	455.4	0.10	96.04
76.0-77.0	4.1	0.4	455.8	0.09	96.13
77.0-78.0	3.7	0.4	456.2	0.08	96.21
78.0-79.0	3.4	0.4	456.6	0.08	96.29
79.0-80.0	3.1	0.3	456.9	0.07	96.36
80.0-81.0	2.9	0.3	457.2	0.07	96.43
81.0-82.0	2.6	0.3	457.5	0.06	96.49
82.0-83.0	2.4	0.3	457.8	0.06	96.54
83.0-84.0	2.2	0.2	458.0	0.05	96.59
84.0-85.0	2.1	0.2	458.3	0.05	96.64
85.0-86.0	2.0	0.2	458.5	0.05	96.69
86.0-87.0	1.9	0.2	458.7	0.04	96.73
87.0-88.0	1.8	0.2	458.9	0.04	96.77
88.0-89.0	1.8	0.2	459.1	0.04	96.81
89.0-90.0	1.8	0.2	459.3	0.04	96.86
90.0-91.0	1.8	0.2	459.5	0.04	96.90
91.0-92.0	1.8	0.2	459.7	0.04	96.94
92.0-93.0	1.8	0.2	459.9	0.04	96.98
93.0-94.0	1.8	0.2	460.1	0.04	97.02
94.0-95.0	1.8	0.2	460.3	0.04	97.06
95.0-96.0	1.8	0.2	460.4	0.04	97.10
96.0-97.0	1.8	0.2	460.6	0.04	97.14
97.0-98.0	1.8	0.2	460.8	0.04	97.18
98.0-99.0	1.7	0.2	461.0	0.04	97.22
99.0-100.0	1.7	0.2	461.2	0.04	97.26
100.0-101.0	1.7	0.2	461.4	0.04	97.30
101.0-102.0	1.7	0.2	461.6	0.04	97.34
102.0-103.0	1.7	0.2	461.8	0.04	97.38
103.0-104.0	1.7	0.2	461.9	0.04	97.42
104.0-105.0	1.7	0.2	462.1	0.04	97.46
105.0-106.0	1.7	0.2	462.3	0.04	97.50
106.0-107.0	1.7	0.2	462.5	0.04	97.53
107.0-108.0	1.7	0.2	462.7	0.04	97.57

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.7	0.2	462.8	0.04	97.61
109.0-110.0	1.7	0.2	463.0	0.04	97.65
110.0-111.0	1.7	0.2	463.2	0.04	97.68
111.0-112.0	1.7	0.2	463.4	0.04	97.72
112.0-113.0	1.8	0.2	463.5	0.04	97.76
113.0-114.0	1.8	0.2	463.7	0.04	97.80
114.0-115.0	1.8	0.2	463.9	0.04	97.83
115.0-116.0	1.8	0.2	464.1	0.04	97.87
116.0-117.0	1.8	0.2	464.3	0.04	97.91
117.0-118.0	1.8	0.2	464.4	0.04	97.95
118.0-119.0	1.8	0.2	464.6	0.04	97.98
119.0-120.0	1.9	0.2	464.8	0.04	98.02
120.0-121.0	1.9	0.2	465.0	0.04	98.06
121.0-122.0	1.9	0.2	465.1	0.04	98.10
122.0-123.0	1.9	0.2	465.3	0.04	98.13
123.0-124.0	2.0	0.2	465.5	0.04	98.17
124.0-125.0	2.0	0.2	465.7	0.04	98.21
125.0-126.0	2.0	0.2	465.9	0.04	98.25
126.0-127.0	2.0	0.2	466.0	0.04	98.29
127.0-128.0	2.1	0.2	466.2	0.04	98.32
128.0-129.0	2.1	0.2	466.4	0.04	98.36
129.0-130.0	2.2	0.2	466.6	0.04	98.40
130.0-131.0	2.2	0.2	466.8	0.04	98.44
131.0-132.0	2.3	0.2	467.0	0.04	98.48
132.0-133.0	2.3	0.2	467.1	0.04	98.52
133.0-134.0	2.4	0.2	467.3	0.04	98.56
134.0-135.0	2.4	0.2	467.5	0.04	98.60
135.0-136.0	2.5	0.2	467.7	0.04	98.64
136.0-137.0	2.6	0.2	467.9	0.04	98.68
137.0-138.0	2.6	0.2	468.1	0.04	98.72
138.0-139.0	2.7	0.2	468.3	0.04	98.76
139.0-140.0	2.8	0.2	468.5	0.04	98.80
140.0-141.0	2.9	0.2	468.7	0.04	98.85
141.0-142.0	3.0	0.2	468.9	0.04	98.89
142.0-143.0	3.1	0.2	469.1	0.04	98.93
143.0-144.0	3.1	0.2	469.3	0.04	98.98

C Plane (°): 0.0-360.0: 30.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature: 25  
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0  
 Test Device: GPM-1800B  
 Distance: 9.028 m  
 Humidity: 60%  
 Inspector:

## Zonal Lumen (Continue 4)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.2	0.2	469.5	0.04	99.02
145.0-146.0	3.3	0.2	469.7	0.04	99.06
146.0-147.0	3.4	0.2	469.9	0.04	99.11
147.0-148.0	3.5	0.2	470.1	0.04	99.15
148.0-149.0	3.6	0.2	470.4	0.04	99.19
149.0-150.0	3.7	0.2	470.6	0.04	99.24
150.0-151.0	3.8	0.2	470.8	0.04	99.28
151.0-152.0	3.9	0.2	471.0	0.04	99.32
152.0-153.0	3.9	0.2	471.2	0.04	99.36
153.0-154.0	4.0	0.2	471.4	0.04	99.40
154.0-155.0	4.1	0.2	471.5	0.04	99.45
155.0-156.0	4.2	0.2	471.7	0.04	99.48
156.0-157.0	4.2	0.2	471.9	0.04	99.52
157.0-158.0	4.3	0.2	472.1	0.04	99.56
158.0-159.0	4.4	0.2	472.3	0.04	99.60
159.0-160.0	4.4	0.2	472.4	0.04	99.63
160.0-161.0	4.5	0.2	472.6	0.03	99.67
161.0-162.0	4.5	0.2	472.8	0.03	99.70
162.0-163.0	4.5	0.1	472.9	0.03	99.73
163.0-164.0	4.6	0.1	473.1	0.03	99.76
164.0-165.0	4.6	0.1	473.2	0.03	99.79
165.0-166.0	4.6	0.1	473.3	0.03	99.82
166.0-167.0	4.6	0.1	473.4	0.02	99.84
167.0-168.0	4.6	0.1	473.5	0.02	99.87
168.0-169.0	4.6	0.1	473.6	0.02	99.89
169.0-170.0	4.6	0.1	473.7	0.02	99.91
170.0-171.0	4.6	0.1	473.8	0.02	99.92
171.0-172.0	4.6	0.1	473.9	0.02	99.94
172.0-173.0	4.6	0.1	474.0	0.01	99.95
173.0-174.0	4.6	0.1	474.0	0.01	99.97
174.0-175.0	4.6	0.0	474.1	0.01	99.98
175.0-176.0	4.6	0.0	474.1	0.01	99.99
176.0-177.0	4.6	0.0	474.1	0.01	99.99
177.0-178.0	4.6	0.0	474.2	0.00	100.00
178.0-179.0	4.6	0.0	474.2	0.00	100.00
179.0-180.0	4.6	0.0	474.2	0.00	100.00

C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector: