

Report No.: 20230628

Test Time: 2023/6/29 16:07

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Pixel Bar

Luminaire Description: MAYA.12.14(30).od-6-PG-RGBW

Lamp Catalog: RGBW30

Luminous Width (mm): 40

Voltage: 219.3 V

Power: 31.32 W

Luminous Length (mm): 1200

Luminous Height (mm): 30

Current: 0.146 A

Power Factor: 0.977

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 842.6 lm

Downward Ratio: 81%

Horizontal Diffuse Angle(10%,50%): H159.5,H111.6

Vertical Diffuse Angle(10%,50%): V292.7,V183.7

Luminaire Efficacy Rating (LER): 27

Max. Intensity: 172.42 cd

Total Rated Lamp Lumens: 842.6 lm

Efficiency: 100%

Upward Ratio: 19%

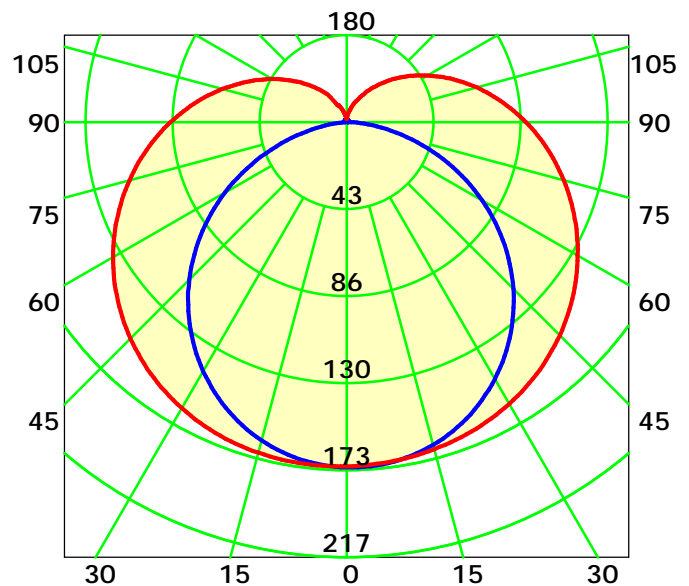
Central Intensity: 172.37 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 147.6° 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

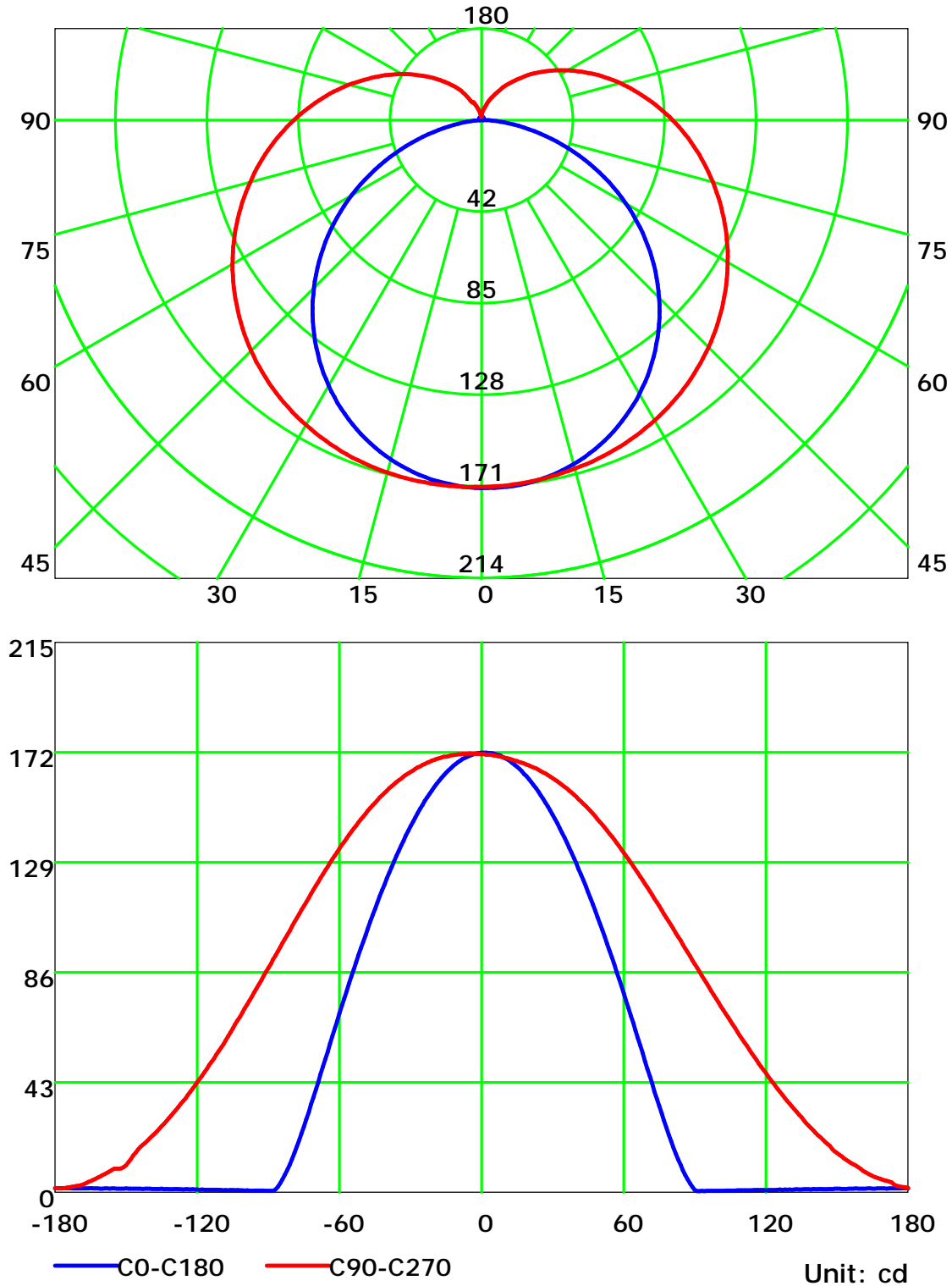
Distance: 9.028 m

Humidity: 60%

Inspector:



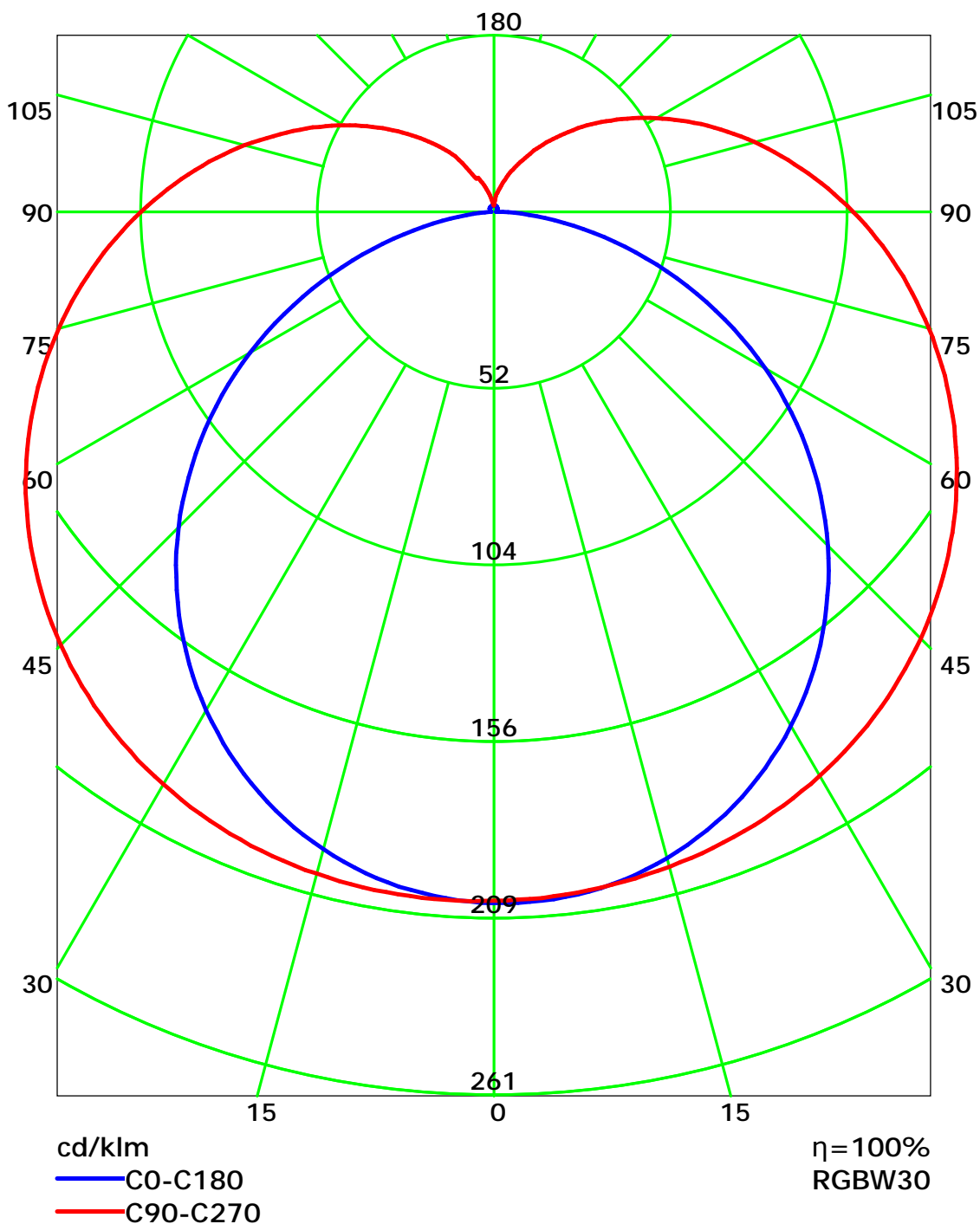
## Luminous Intensity Distribution Curve



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:

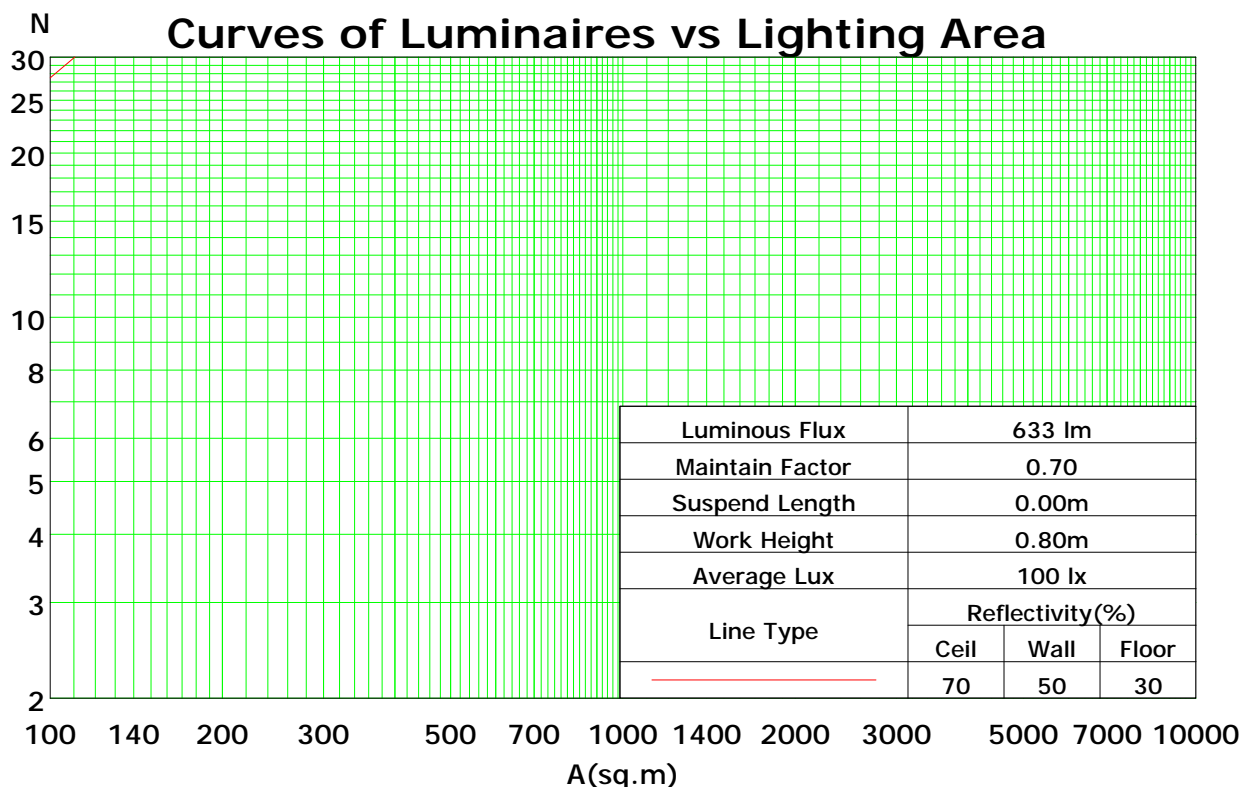
## Coefficients Of Utilization - Zonal Cavity Method

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	101	95	90	85	96	91	86	82	83	79	76	76	73	70	69	67	65	61
2	91	81	73	67	86	78	70	64	71	65	60	65	60	56	59	55	52	48
3	82	70	61	54	78	67	59	52	61	55	49	56	50	46	51	47	43	39
4	75	62	52	45	71	59	50	43	54	47	41	49	43	38	45	40	36	33
5	68	55	45	38	65	52	43	37	48	41	35	44	38	33	40	35	31	28
6	63	49	39	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	28	55	42	34	28	39	32	26	36	30	25	33	28	23	21
8	54	40	31	25	51	38	30	24	36	28	23	33	27	22	30	25	21	19
9	50	37	28	22	48	35	27	22	33	26	21	30	24	20	28	23	19	17
10	47	34	25	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.43

Spacing Criteria (Diagonal): 1.49



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

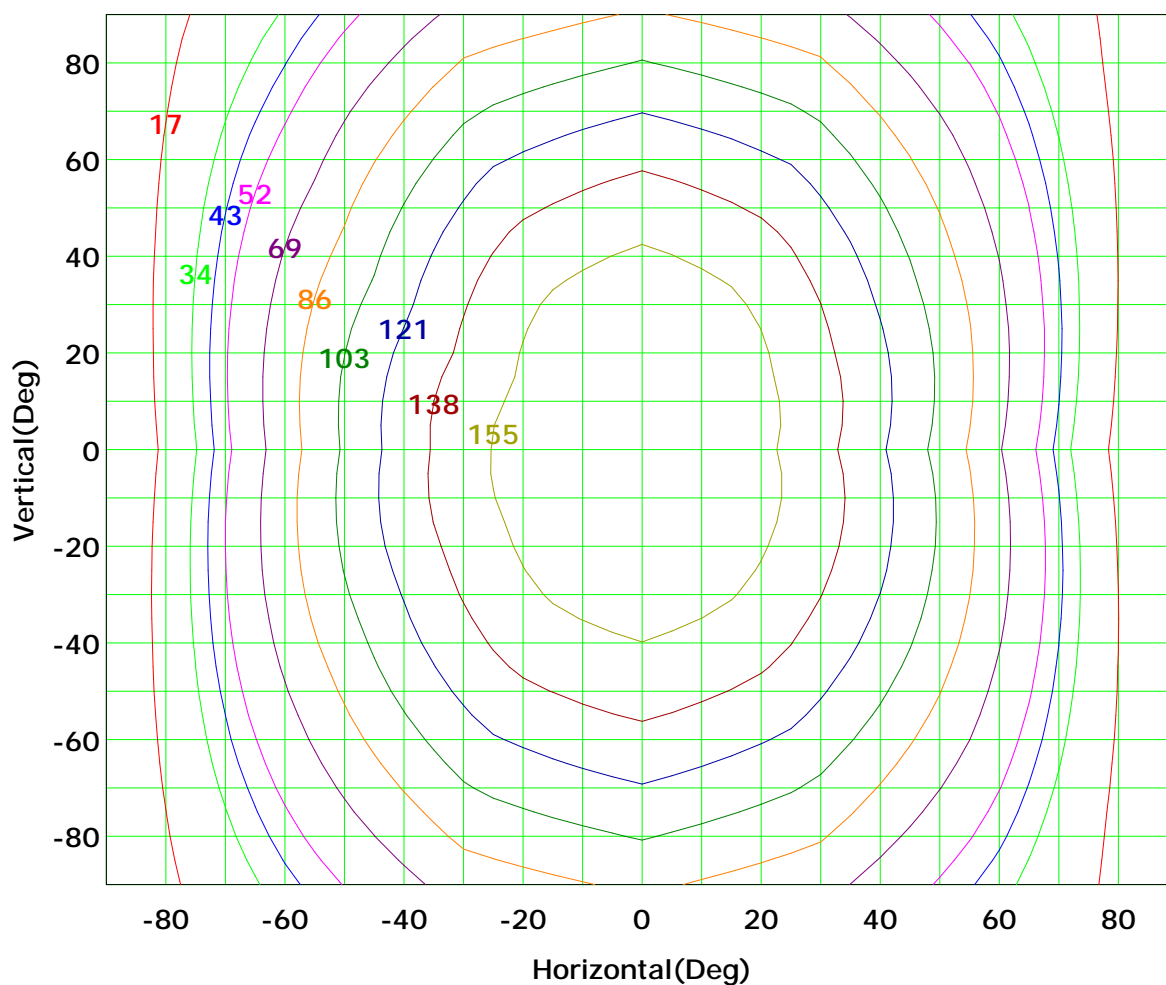
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



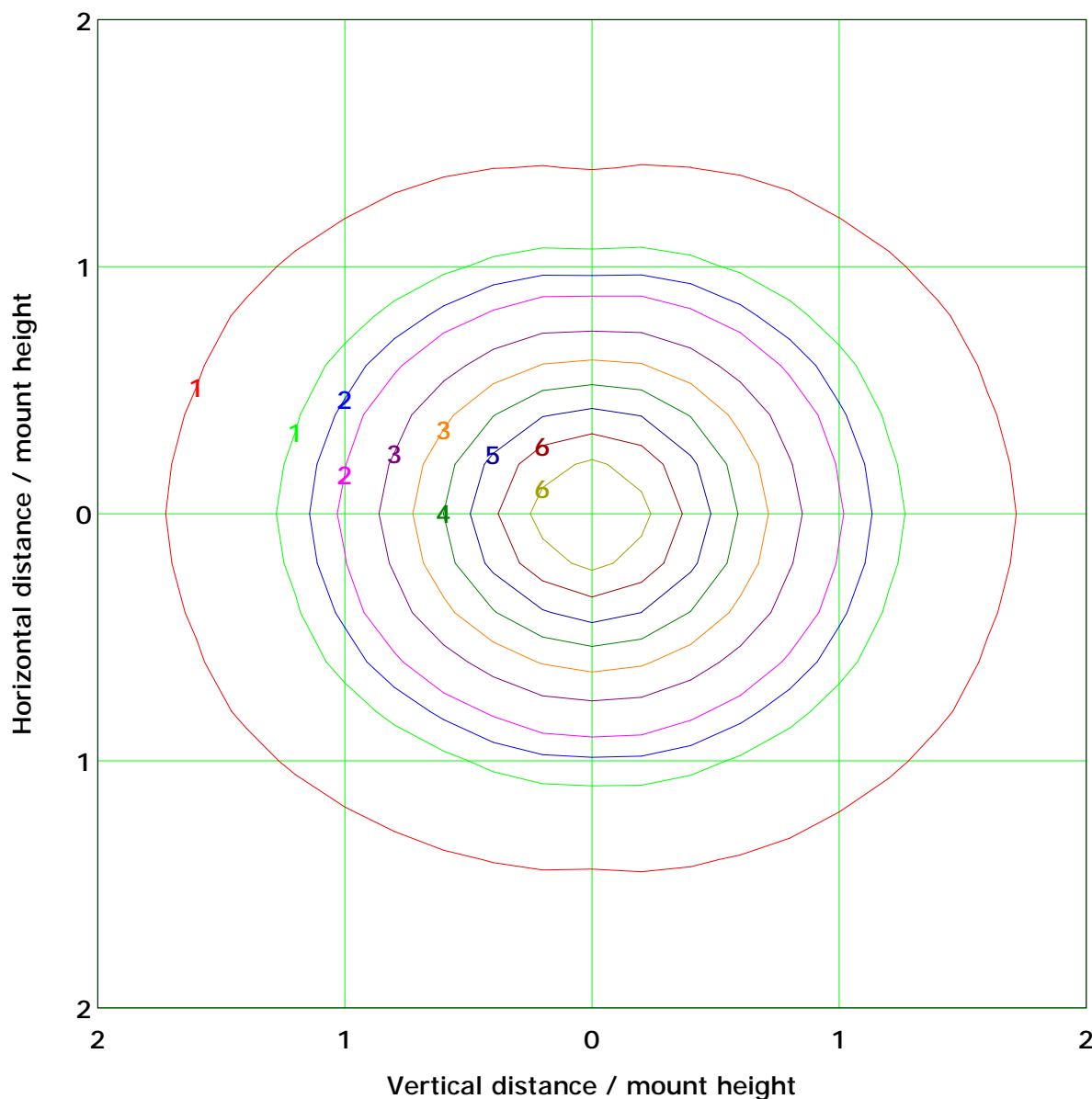
I<sub>max</sub> (100%): 172 cd

( 10%):	17 cd	( 20%):	34 cd
( 25%):	43 cd	( 30%):	52 cd
( 40%):	69 cd	( 50%):	86 cd
( 60%):	103 cd	( 70%):	121 cd
( 80%):	138 cd	( 90%):	155 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%): 6.9 lx

( 10%): 0.7 lx	( 20%): 1.4 lx
( 25%): 1.7 lx	( 30%): 2.1 lx
( 40%): 2.8 lx	( 50%): 3.4 lx
( 60%): 4.1 lx	( 70%): 4.8 lx
( 80%): 5.5 lx	( 90%): 6.2 lx

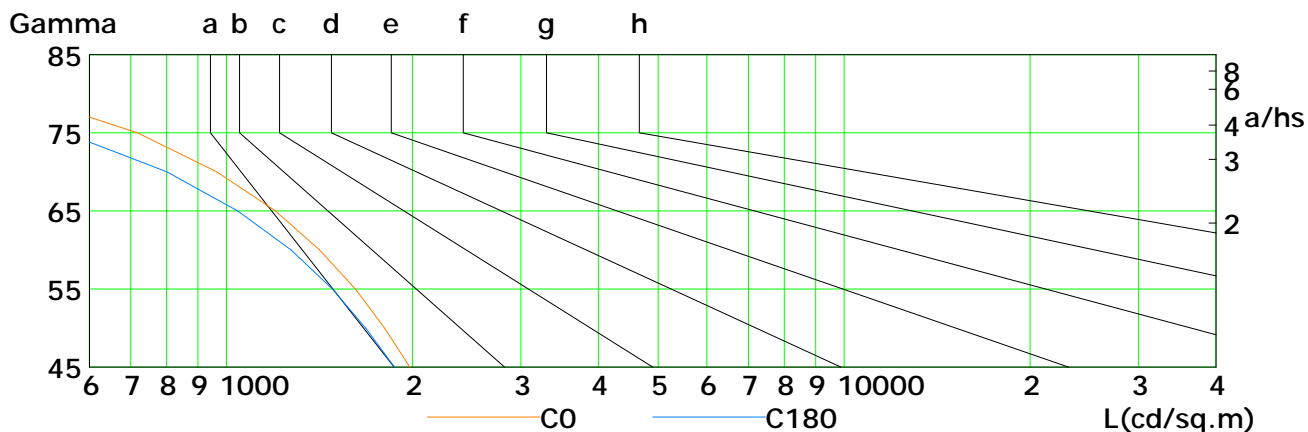
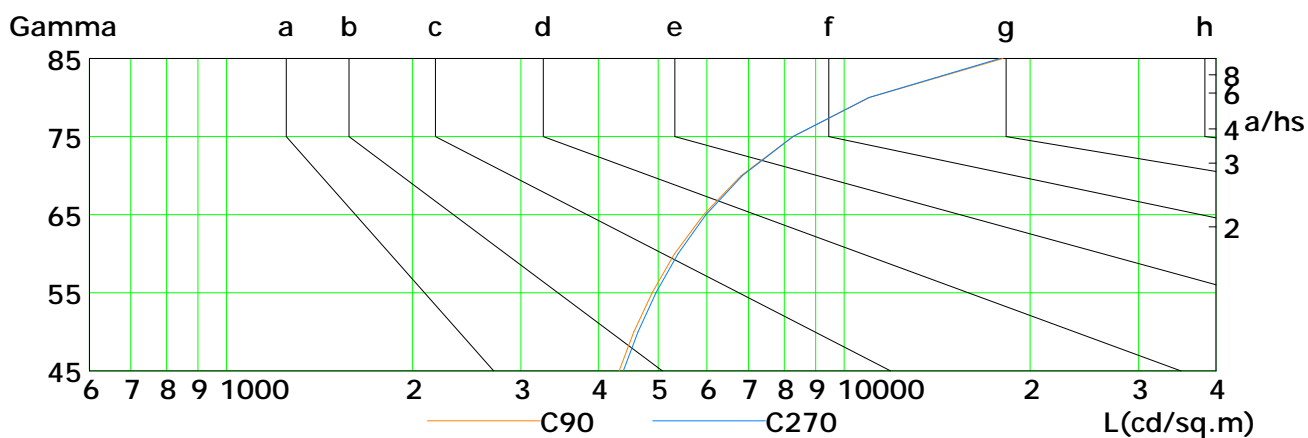
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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



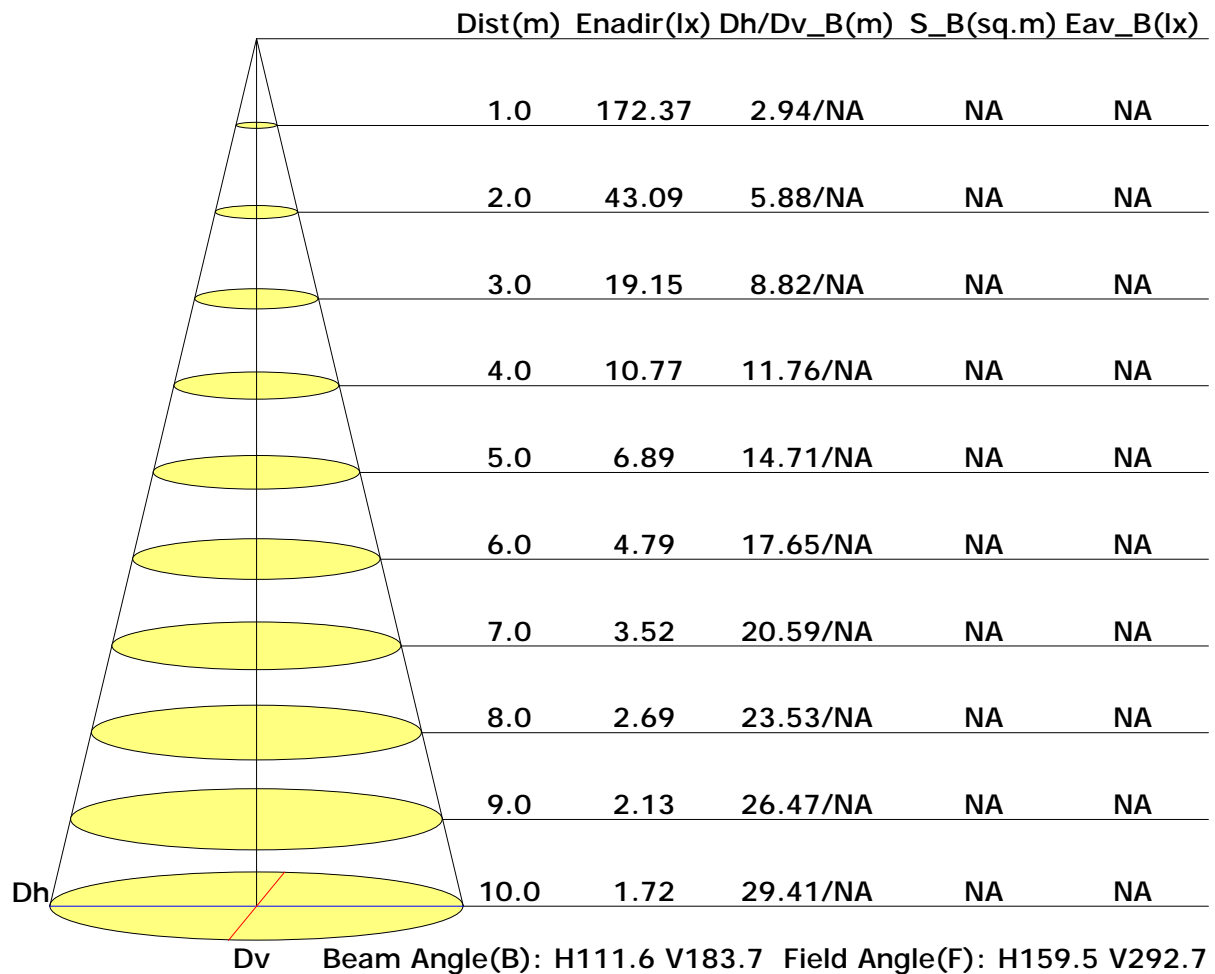
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1982	1804	1617	1415	1200	965	718	461	219
C90	4326	4570	4893	5318	5925	6817	8263	10999	18078
C180	1872	1682	1484	1272	1043	801	549	299	94
C270	4391	4638	4959	5384	5975	6850	8267	10962	17883

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

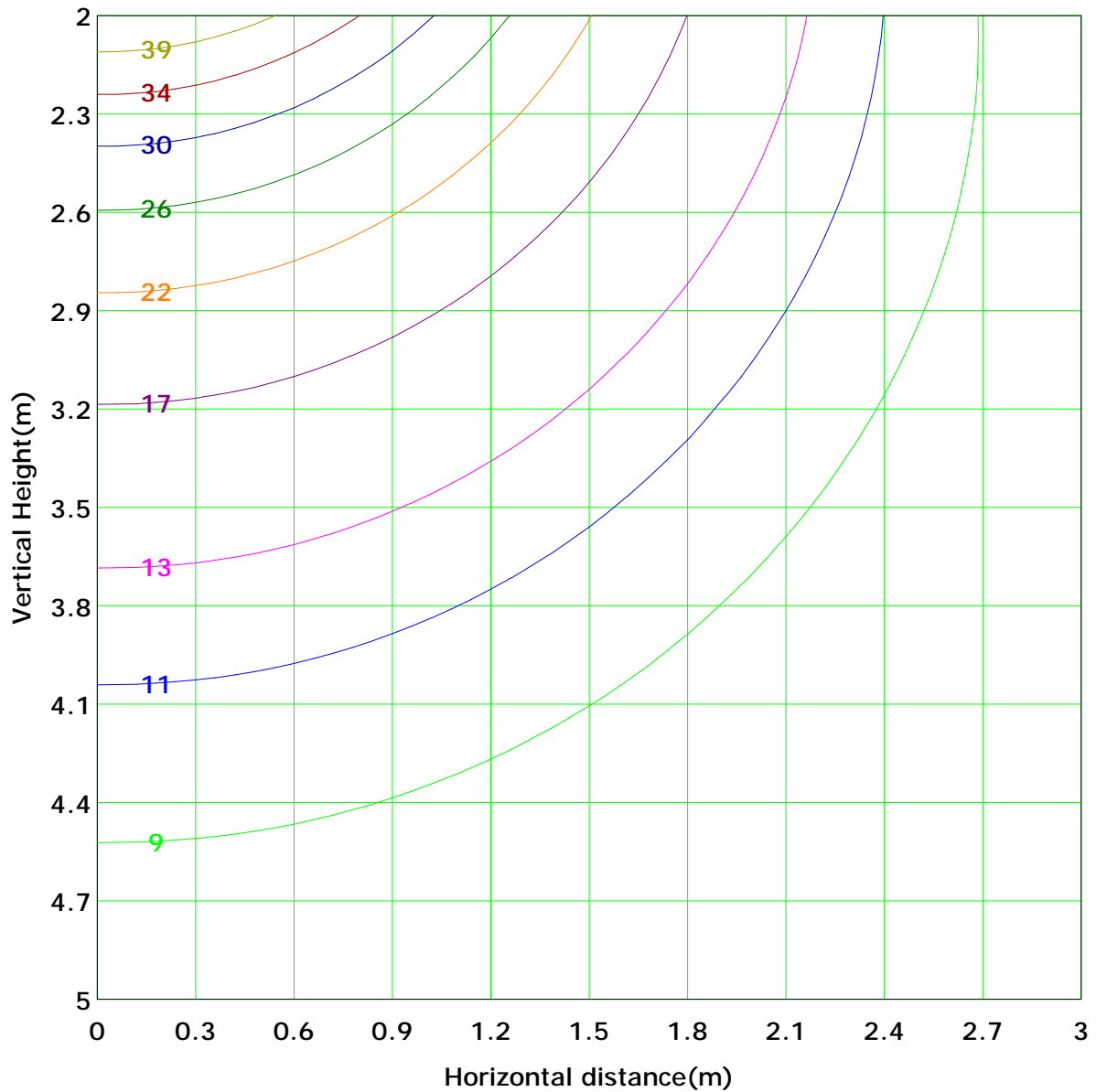


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 43.1 lx
( 10%): 4.3 lx	( 20%): 8.6 lx	
( 25%): 10.8 lx	( 30%): 12.9 lx	
( 40%): 17.2 lx	( 50%): 21.5 lx	
( 60%): 25.9 lx	( 70%): 30.2 lx	
( 80%): 34.5 lx	( 90%): 38.8 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

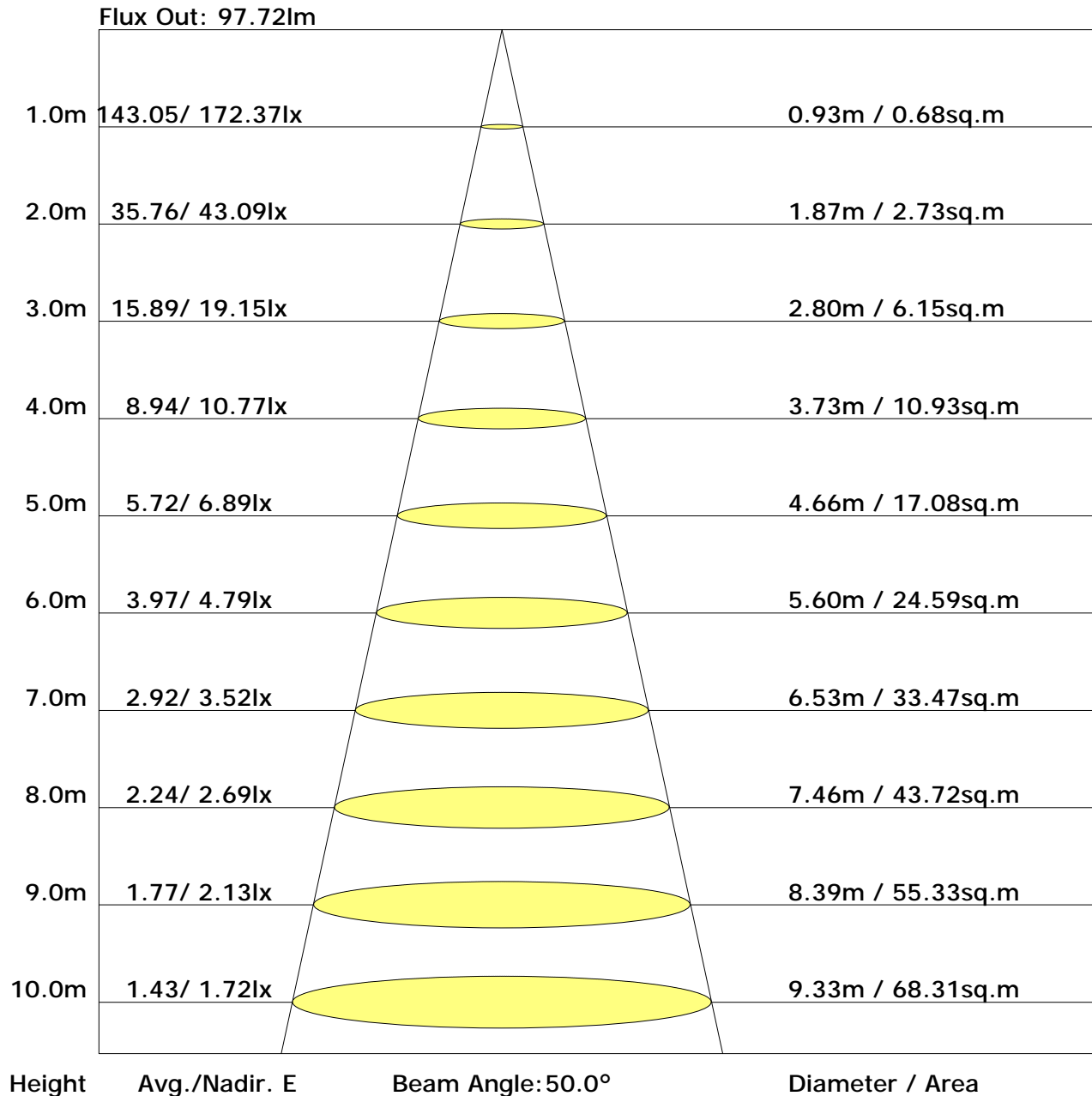
Vertical plane	Horizontal plane																	Flux(T)	Flux(E)	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70			80
-90	0.0	0.2	0.4	0.8	1.3	1.9	2.3	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.2	0.0	24.7	24.6
-80	0.0	0.2	0.5	1.0	1.5	2.2	2.7	3.1	3.3	3.3	3.1	2.7	2.2	1.5	1.0	0.5	0.2	0.0	29.0	28.9
-70	0.0	0.2	0.6	1.1	1.8	2.5	3.1	3.5	3.8	3.8	3.5	3.1	2.4	1.7	1.1	0.6	0.2	0.0	33.1	33.0
-60	0.0	0.2	0.6	1.2	2.0	2.7	3.4	3.9	4.2	4.2	3.9	3.4	2.7	1.9	1.2	0.7	0.2	0.0	36.8	36.7
-50	0.0	0.2	0.7	1.4	2.1	3.0	3.7	4.3	4.6	4.6	4.2	3.7	2.9	2.1	1.4	0.7	0.3	0.0	39.9	39.9
-40	0.0	0.2	0.7	1.5	2.3	3.1	3.9	4.5	4.8	4.8	4.5	3.9	3.1	2.3	1.5	0.8	0.3	0.0	42.4	42.3
-30	0.0	0.3	0.8	1.5	2.4	3.3	4.1	4.7	5.0	5.0	4.7	4.1	3.2	2.4	1.6	0.8	0.3	0.0	44.2	44.1
-20	0.0	0.2	0.8	1.5	2.4	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	0.8	0.3	0.0	45.2	45.2
-10	0.0	0.2	0.7	1.5	2.4	3.4	4.2	4.8	5.2	5.2	4.8	4.3	3.5	2.5	1.6	0.8	0.3	0.0	45.6	45.6
0	0.0	0.2	0.7	1.5	2.4	3.4	4.2	4.8	5.2	5.2	4.9	4.3	3.5	2.6	1.6	0.8	0.3	0.0	45.7	45.7
10	0.0	0.2	0.8	1.6	2.5	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.4	2.5	1.6	0.9	0.3	0.0	45.4	45.4
20	0.0	0.3	0.8	1.5	2.4	3.3	3.9	4.5	4.8	4.8	4.5	3.9	3.2	2.3	1.5	0.8	0.3	0.0	42.5	42.5
30	0.0	0.3	0.8	1.5	2.3	3.2	3.9	4.5	4.8	4.8	4.5	3.9	3.2	2.3	1.4	0.8	0.3	0.0	40.0	40.0
40	0.0	0.2	0.7	1.4	2.2	3.0	3.7	4.2	4.5	4.5	4.2	3.7	3.0	2.2	1.4	0.8	0.3	0.0	36.9	36.9
50	0.0	0.2	0.7	1.3	2.0	2.7	3.4	3.9	4.2	4.2	3.9	3.4	2.8	2.0	1.3	0.7	0.3	0.0	33.3	33.2
60	0.0	0.2	0.6	1.1	1.8	2.5	3.1	3.5	3.8	3.8	3.5	3.1	2.5	1.8	1.2	0.6	0.2	0.0	29.3	29.3
70	0.0	0.2	0.5	1.0	1.6	2.2	2.7	3.1	3.3	3.3	3.1	2.7	2.2	1.6	1.0	0.6	0.2	0.0	25.3	25.2
80	0.0	0.2	0.4	0.8	1.3	1.9	2.3	2.6	2.9	2.9	2.7	2.4	1.9	1.4	0.9	0.5	0.2	0.0	21.7	21.7
90	0.4	4.0	11.9	23.3	36.7	50.8	63.3	72.2	77.5	77.5	72.3	63.5	51.1	37.2	24.0	12.7	4.6	0.6	684	
Flux(E)	0.0	3.8	11.9	23.3	36.7	50.8	63.3	72.2	77.5	77.5	72.3	63.5	51.1	37.2	24.0	12.7	4.6	0.2		683

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	14.0	15.4	14.6	16.0	16.8	14.8	16.2	15.4	16.8	17.6
3H	15.9	17.2	16.6	17.8	18.6	17.3	18.6	17.9	19.2	20.0
4H	16.6	17.8	17.3	18.5	19.3	18.5	19.7	19.1	20.4	21.1
6H	17.2	18.3	17.9	19.0	19.8	19.7	20.8	20.3	21.5	22.3
8H	17.4	18.4	18.0	19.1	19.9	20.2	21.3	20.9	22.0	22.8
12H	17.5	18.5	18.2	19.2	20.0	20.7	21.8	21.4	22.5	23.3
X=4H Y=2H	14.8	16.0	15.5	16.7	17.5	15.4	16.6	16.1	17.3	18.1
3H	17.0	18.0	17.6	18.7	19.5	18.2	19.3	18.9	20.0	20.8
4H	17.9	18.8	18.5	19.5	20.3	19.6	20.5	20.3	21.2	22.1
6H	18.6	19.4	19.3	20.2	21.0	20.9	21.8	21.6	22.5	23.3
8H	18.8	19.6	19.5	20.4	21.2	21.6	22.4	22.3	23.1	24.0
12H	19.0	19.8	19.8	20.5	21.4	22.2	23.0	22.9	23.7	24.6
X=8H Y=4H	18.5	19.3	19.2	20.0	20.9	20.0	20.8	20.7	21.5	22.3
6H	19.4	20.2	20.2	20.9	21.8	21.5	22.2	22.3	23.0	23.8
8H	19.9	20.5	20.6	21.3	22.1	22.4	23.0	23.1	23.7	24.6
12H	20.2	20.8	21.0	21.5	22.4	23.2	23.7	23.9	24.5	25.4
X=12H Y=4H	18.7	19.4	19.4	20.2	21.0	20.0	20.7	20.7	21.5	22.3
6H	19.7	20.4	20.5	21.1	22.0	21.7	22.3	22.4	23.0	23.9
8H	20.3	20.8	21.0	21.6	22.5	22.6	23.1	23.3	23.9	24.8

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 = 1.50									
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	0.48	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92	
	0.30		0.40	0.48	0.55	0.60	0.68	0.74	0.78	0.84	0.88	
	0.20		0.34	0.41	0.49	0.54	0.62	0.68	0.73	0.79	0.84	
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.81	0.85	
	0.30		0.38	0.45	0.51	0.56	0.63	0.68	0.72	0.77	0.81	
	0.20		0.33	0.40	0.46	0.51	0.58	0.64	0.68	0.73	0.77	
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.77	
	0.30		0.36	0.42	0.48	0.52	0.59	0.63	0.67	0.71	0.75	
	0.20		0.31	0.37	0.43	0.48	0.55	0.59	0.63	0.68	0.72	
0.00	0.00	0.00	0.27	0.33	0.38	0.42	0.48	0.52	0.55	0.60	0.63	
Rating: 31W 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 = 1.50									
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	1.02	0.89	0.77	0.68	0.56	0.48	0.42	0.34	0.28	
	0.30		0.85	0.76	0.67	0.60	0.51	0.44	0.39	0.32	0.27	
	0.20		0.73	0.66	0.59	0.54	0.47	0.41	0.36	0.30	0.26	
0.50	0.50	0.20	0.95	0.82	0.71	0.63	0.52	0.47	0.39	0.31	0.26	
	0.30		0.80	0.71	0.63	0.57	0.48	0.41	0.37	0.30	0.25	
	0.20		0.69	0.63	0.56	0.51	0.44	0.38	0.34	0.28	0.24	
0.30	0.50	0.20	0.88	0.76	0.66	0.59	0.48	0.41	0.36	0.29	0.25	
	0.30		0.75	0.67	0.59	0.53	0.45	0.39	0.34	0.28	0.24	
	0.20		0.66	0.60	0.53	0.49	0.42	0.36	0.32	0.27	0.23	
0.00	0.00	0.00	0.54	0.49	0.43	0.39	0.33	0.29	0.26	0.21	0.18	
Rating: 31W 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 = 1.50								
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	0.35	0.36	0.37	0.38	0.39	0.39	0.39	0.40	0.40
	0.30		0.28	0.29	0.31	0.32	0.33	0.34	0.35	0.36	0.37
	0.20		0.23	0.24	0.25	0.27	0.28	0.30	0.31	0.33	0.34
0.50	0.50	0.20	0.34	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.38
	0.30		0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.35
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.30	0.50	0.20	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		0.22	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.32
0.00	0.00	0.00	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Rating: 31W 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	171.9	0.2	0.2	0.02	0.02
1.0-2.0	171.8	0.5	0.7	0.06	0.08
2.0-3.0	171.7	0.8	1.5	0.10	0.18
3.0-4.0	171.6	1.1	2.6	0.14	0.31
4.0-5.0	171.5	1.5	4.1	0.18	0.49
5.0-6.0	171.3	1.8	5.9	0.21	0.70
6.0-7.0	171.1	2.1	8.0	0.25	0.95
7.0-8.0	170.8	2.4	10.5	0.29	1.24
8.0-9.0	170.5	2.8	13.2	0.33	1.57
9.0-10.0	170.2	3.1	16.3	0.37	1.94
10.0-11.0	169.8	3.4	19.7	0.40	2.34
11.0-12.0	169.4	3.7	23.4	0.44	2.78
12.0-13.0	168.9	4.0	27.4	0.48	3.25
13.0-14.0	168.4	4.3	31.7	0.51	3.77
14.0-15.0	167.9	4.6	36.3	0.55	4.31
15.0-16.0	167.3	4.9	41.2	0.58	4.90
16.0-17.0	166.7	5.2	46.4	0.62	5.51
17.0-18.0	166.1	5.5	51.9	0.65	6.16
18.0-19.0	165.4	5.8	57.7	0.68	6.84
19.0-20.0	164.7	6.0	63.7	0.72	7.56
20.0-21.0	163.9	6.3	70.0	0.75	8.31
21.0-22.0	163.1	6.6	76.6	0.78	9.09
22.0-23.0	162.3	6.8	83.4	0.81	9.89
23.0-24.0	161.4	7.1	90.4	0.84	10.73
24.0-25.0	160.5	7.3	97.7	0.87	11.60
25.0-26.0	159.6	7.5	105.3	0.89	12.49
26.0-27.0	158.6	7.8	113.0	0.92	13.41
27.0-28.0	157.6	8.0	121.0	0.95	14.36
28.0-29.0	156.5	8.2	129.2	0.97	15.33
29.0-30.0	155.4	8.4	137.6	1.00	16.33
30.0-31.0	154.3	8.6	146.2	1.02	17.35
31.0-32.0	153.1	8.8	154.9	1.04	18.39
32.0-33.0	152.0	9.0	163.9	1.06	19.45
33.0-34.0	150.7	9.1	173.0	1.08	20.53
34.0-35.0	149.4	9.3	182.3	1.10	21.63
35.0-36.0	148.1	9.4	191.7	1.12	22.75

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	146.8	9.6	201.3	1.14	23.89
37.0-38.0	145.5	9.7	211.0	1.15	25.04
38.0-39.0	144.1	9.8	220.8	1.17	26.21
39.0-40.0	142.6	9.9	230.8	1.18	27.39
40.0-41.0	141.1	10.1	240.8	1.19	28.58
41.0-42.0	139.7	10.1	251.0	1.20	29.79
42.0-43.0	138.2	10.2	261.2	1.21	31.00
43.0-44.0	136.6	10.3	271.5	1.22	32.23
44.0-45.0	135.0	10.4	281.9	1.23	33.46
45.0-46.0	133.4	10.4	292.4	1.24	34.70
46.0-47.0	131.8	10.5	302.8	1.24	35.94
47.0-48.0	130.1	10.5	313.4	1.25	37.19
48.0-49.0	128.4	10.5	323.9	1.25	38.44
49.0-50.0	126.7	10.6	334.5	1.25	39.69
50.0-51.0	125.0	10.6	345.0	1.25	40.95
51.0-52.0	123.2	10.6	355.6	1.25	42.20
52.0-53.0	121.4	10.6	366.2	1.25	43.46
53.0-54.0	119.6	10.5	376.7	1.25	44.71
54.0-55.0	117.8	10.5	387.2	1.25	45.96
55.0-56.0	116.0	10.5	397.7	1.24	47.20
56.0-57.0	114.1	10.4	408.1	1.24	48.44
57.0-58.0	112.2	10.4	418.5	1.23	49.67
58.0-59.0	110.3	10.3	428.8	1.22	50.90
59.0-60.0	108.4	10.2	439.1	1.22	52.11
60.0-61.0	106.4	10.2	449.2	1.21	53.32
61.0-62.0	104.5	10.1	459.3	1.20	54.51
62.0-63.0	102.6	10.0	469.3	1.18	55.70
63.0-64.0	100.6	9.9	479.2	1.17	56.87
64.0-65.0	98.6	9.8	488.9	1.16	58.03
65.0-66.0	96.7	9.6	498.6	1.14	59.17
66.0-67.0	94.7	9.5	508.1	1.13	60.30
67.0-68.0	92.7	9.4	517.5	1.11	61.42
68.0-69.0	90.7	9.3	526.7	1.10	62.51
69.0-70.0	88.7	9.1	535.8	1.08	63.59
70.0-71.0	86.7	9.0	544.8	1.06	64.66
71.0-72.0	84.7	8.8	553.6	1.05	65.70

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	82.7	8.7	562.3	1.03	66.73
73.0-74.0	80.8	8.5	570.8	1.01	67.74
74.0-75.0	78.8	8.3	579.1	0.99	68.73
75.0-76.0	76.9	8.2	587.3	0.97	69.70
76.0-77.0	75.0	8.0	595.3	0.95	70.65
77.0-78.0	73.1	7.8	603.1	0.93	71.57
78.0-79.0	71.2	7.7	610.7	0.91	72.48
79.0-80.0	69.4	7.5	618.2	0.89	73.37
80.0-81.0	67.5	7.3	625.5	0.87	74.24
81.0-82.0	65.8	7.1	632.7	0.85	75.08
82.0-83.0	64.0	7.0	639.6	0.83	75.91
83.0-84.0	62.3	6.8	646.4	0.81	76.72
84.0-85.0	60.7	6.6	653.0	0.79	77.50
85.0-86.0	59.1	6.5	659.5	0.77	78.27
86.0-87.0	57.5	6.3	665.8	0.75	79.01
87.0-88.0	56.0	6.1	671.9	0.73	79.74
88.0-89.0	54.6	6.0	677.9	0.71	80.45
89.0-90.0	53.2	5.8	683.7	0.69	81.14
90.0-91.0	51.9	5.7	689.4	0.68	81.82
91.0-92.0	50.7	5.6	695.0	0.66	82.48
92.0-93.0	49.5	5.4	700.4	0.64	83.12
93.0-94.0	48.4	5.3	705.7	0.63	83.75
94.0-95.0	47.2	5.2	710.9	0.61	84.37
95.0-96.0	46.1	5.0	715.9	0.60	84.96
96.0-97.0	45.1	4.9	720.8	0.58	85.55
97.0-98.0	44.0	4.8	725.6	0.57	86.11
98.0-99.0	42.9	4.7	730.2	0.55	86.67
99.0-100.0	41.9	4.5	734.8	0.54	87.20
100.0-101.0	40.9	4.4	739.2	0.52	87.73
101.0-102.0	39.9	4.3	743.5	0.51	88.24
102.0-103.0	38.9	4.2	747.6	0.49	88.73
103.0-104.0	38.0	4.1	751.7	0.48	89.21
104.0-105.0	37.0	3.9	755.6	0.47	89.68
105.0-106.0	36.1	3.8	759.4	0.45	90.13
106.0-107.0	35.2	3.7	763.1	0.44	90.57
107.0-108.0	34.3	3.6	766.7	0.43	91.00

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:

## 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	33.4	3.5	770.2	0.41	91.41
109.0-110.0	32.6	3.4	773.6	0.40	91.81
110.0-111.0	31.8	3.3	776.8	0.39	92.20
111.0-112.0	30.9	3.2	780.0	0.37	92.57
112.0-113.0	30.1	3.1	783.0	0.36	92.93
113.0-114.0	29.3	3.0	786.0	0.35	93.28
114.0-115.0	28.6	2.8	788.8	0.34	93.62
115.0-116.0	27.8	2.8	791.6	0.33	93.95
116.0-117.0	27.0	2.7	794.2	0.31	94.26
117.0-118.0	26.3	2.6	796.8	0.30	94.57
118.0-119.0	25.5	2.5	799.3	0.29	94.86
119.0-120.0	24.8	2.4	801.6	0.28	95.14
120.0-121.0	24.1	2.3	803.9	0.27	95.41
121.0-122.0	23.4	2.2	806.1	0.26	95.67
122.0-123.0	22.7	2.1	808.2	0.25	95.92
123.0-124.0	22.0	2.0	810.2	0.24	96.16
124.0-125.0	21.3	1.9	812.1	0.23	96.39
125.0-126.0	20.7	1.8	814.0	0.22	96.60
126.0-127.0	20.0	1.8	815.7	0.21	96.81
127.0-128.0	19.3	1.7	817.4	0.20	97.01
128.0-129.0	18.7	1.6	819.0	0.19	97.20
129.0-130.0	18.0	1.5	820.6	0.18	97.38
130.0-131.0	17.4	1.4	822.0	0.17	97.56
131.0-132.0	16.8	1.4	823.4	0.16	97.72
132.0-133.0	16.2	1.3	824.7	0.16	97.88
133.0-134.0	15.7	1.2	825.9	0.15	98.02
134.0-135.0	15.1	1.2	827.1	0.14	98.16
135.0-136.0	14.6	1.1	828.2	0.13	98.30
136.0-137.0	14.1	1.1	829.3	0.13	98.42
137.0-138.0	13.6	1.0	830.3	0.12	98.54
138.0-139.0	13.1	1.0	831.3	0.11	98.66
139.0-140.0	12.6	0.9	832.2	0.11	98.76
140.0-141.0	12.2	0.8	833.0	0.10	98.86
141.0-142.0	11.6	0.8	833.8	0.09	98.96
142.0-143.0	11.1	0.7	834.6	0.09	99.05
143.0-144.0	10.6	0.7	835.2	0.08	99.13

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	10.0	0.6	835.9	0.08	99.20
145.0-146.0	9.5	0.6	836.5	0.07	99.27
146.0-147.0	9.1	0.5	837.0	0.07	99.34
147.0-148.0	8.6	0.5	837.5	0.06	99.40
148.0-149.0	8.1	0.5	838.0	0.06	99.45
149.0-150.0	7.7	0.4	838.4	0.05	99.51
150.0-151.0	7.4	0.4	838.8	0.05	99.55
151.0-152.0	7.1	0.4	839.2	0.04	99.60
152.0-153.0	6.8	0.3	839.5	0.04	99.64
153.0-154.0	6.5	0.3	839.9	0.04	99.68
154.0-155.0	6.3	0.3	840.2	0.04	99.71
155.0-156.0	6.0	0.3	840.4	0.03	99.74
156.0-157.0	5.7	0.3	840.7	0.03	99.77
157.0-158.0	5.5	0.2	840.9	0.03	99.80
158.0-159.0	5.2	0.2	841.1	0.02	99.83
159.0-160.0	4.9	0.2	841.3	0.02	99.85
160.0-161.0	4.6	0.2	841.5	0.02	99.87
161.0-162.0	4.4	0.2	841.6	0.02	99.89
162.0-163.0	4.1	0.1	841.8	0.02	99.90
163.0-164.0	3.9	0.1	841.9	0.01	99.92
164.0-165.0	3.7	0.1	842.0	0.01	99.93
165.0-166.0	3.5	0.1	842.1	0.01	99.94
166.0-167.0	3.3	0.1	842.2	0.01	99.95
167.0-168.0	3.1	0.1	842.3	0.01	99.96
168.0-169.0	2.9	0.1	842.3	0.01	99.97
169.0-170.0	2.8	0.1	842.4	0.01	99.97
170.0-171.0	2.7	0.0	842.4	0.01	99.98
171.0-172.0	2.6	0.0	842.5	0.00	99.98
172.0-173.0	2.4	0.0	842.5	0.00	99.99
173.0-174.0	2.3	0.0	842.5	0.00	99.99
174.0-175.0	2.1	0.0	842.5	0.00	99.99
175.0-176.0	2.0	0.0	842.6	0.00	100.00
176.0-177.0	1.9	0.0	842.6	0.00	100.00
177.0-178.0	1.8	0.0	842.6	0.00	100.00
178.0-179.0	1.8	0.0	842.6	0.00	100.00
179.0-180.0	1.8	0.0	842.6	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: