

Report No.: 20230628

Test Time: 2023/6/29 17:17

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Pixel Bar

Luminaire Description: Pixel Bar 600mm Round Milky -white

Lamp Catalog: RGBW30

Luminous Width (mm): 40

Voltage: 219.4 V

Power: 10.28 W

Luminous Length (mm): 600

Luminous Height (mm): 30

Current: 0.064 A

Power Factor: 0.733

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 310.3 lm

Downward Ratio: 81%

Horizontal Diffuse Angle(10%,50%): H159.8,H111.4

Vertical Diffuse Angle(10%,50%): V290.6,V181.3

Luminaire Efficacy Rating (LER): 30

Max. Intensity: 64.19 cd

Total Rated Lamp Lumens: 310.3 lm

Efficiency: 100%

Upward Ratio: 19%

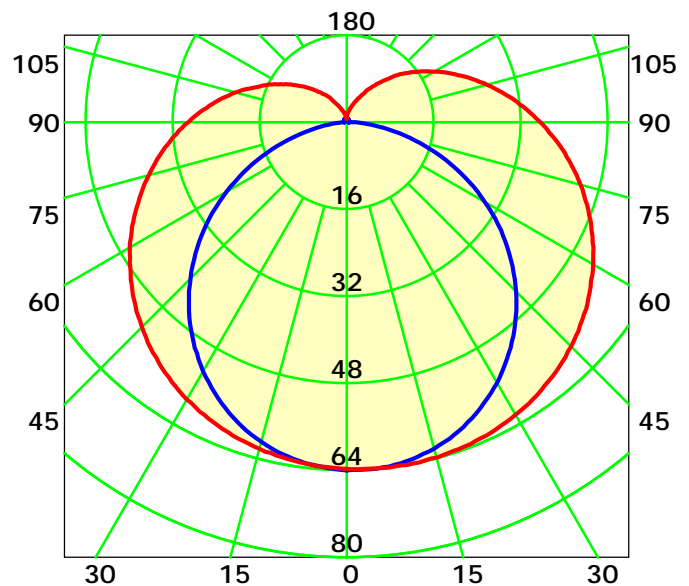
Central Intensity: 64.18 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 146.3° 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

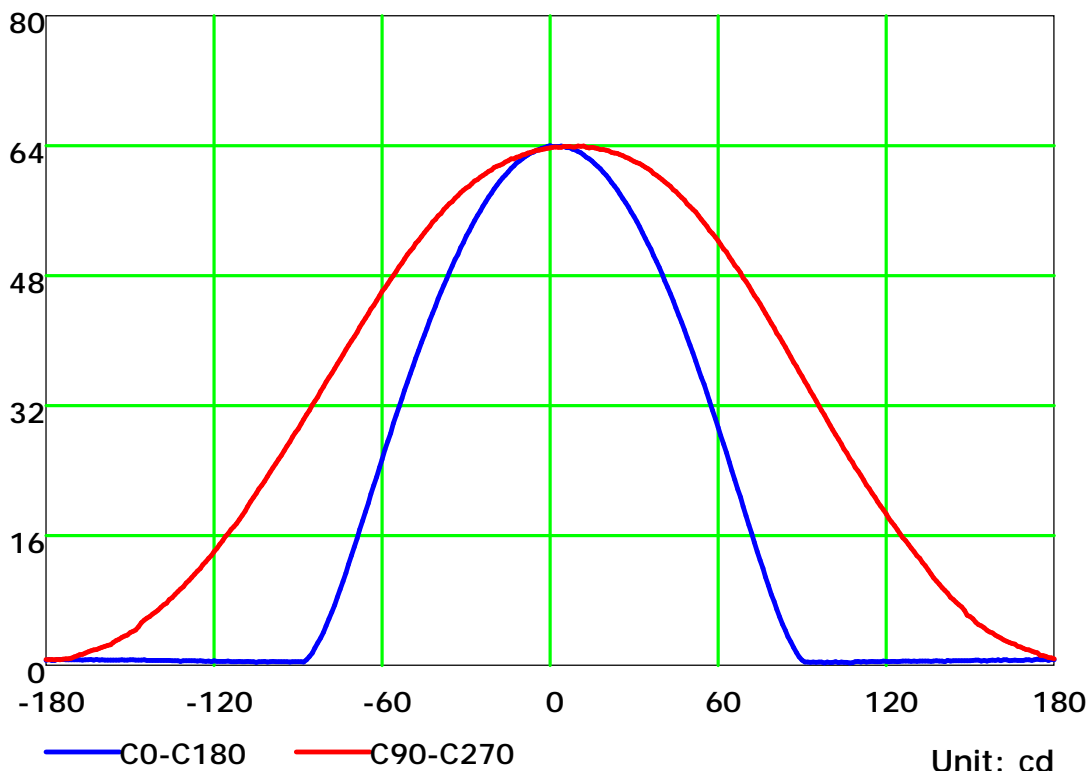
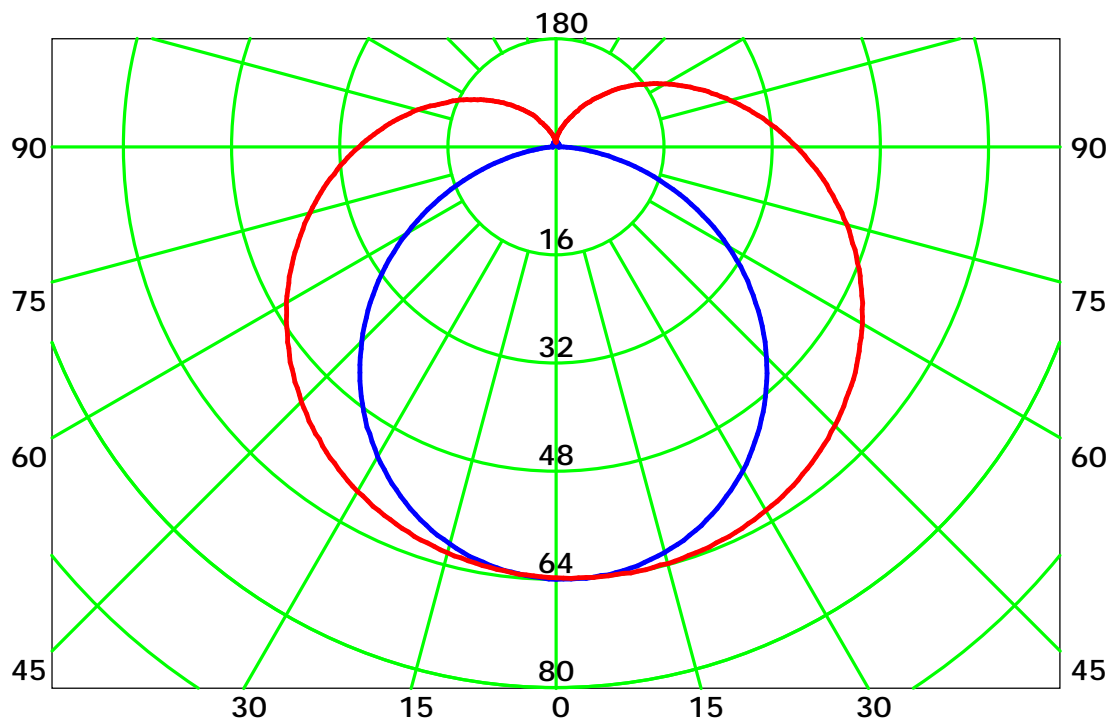
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

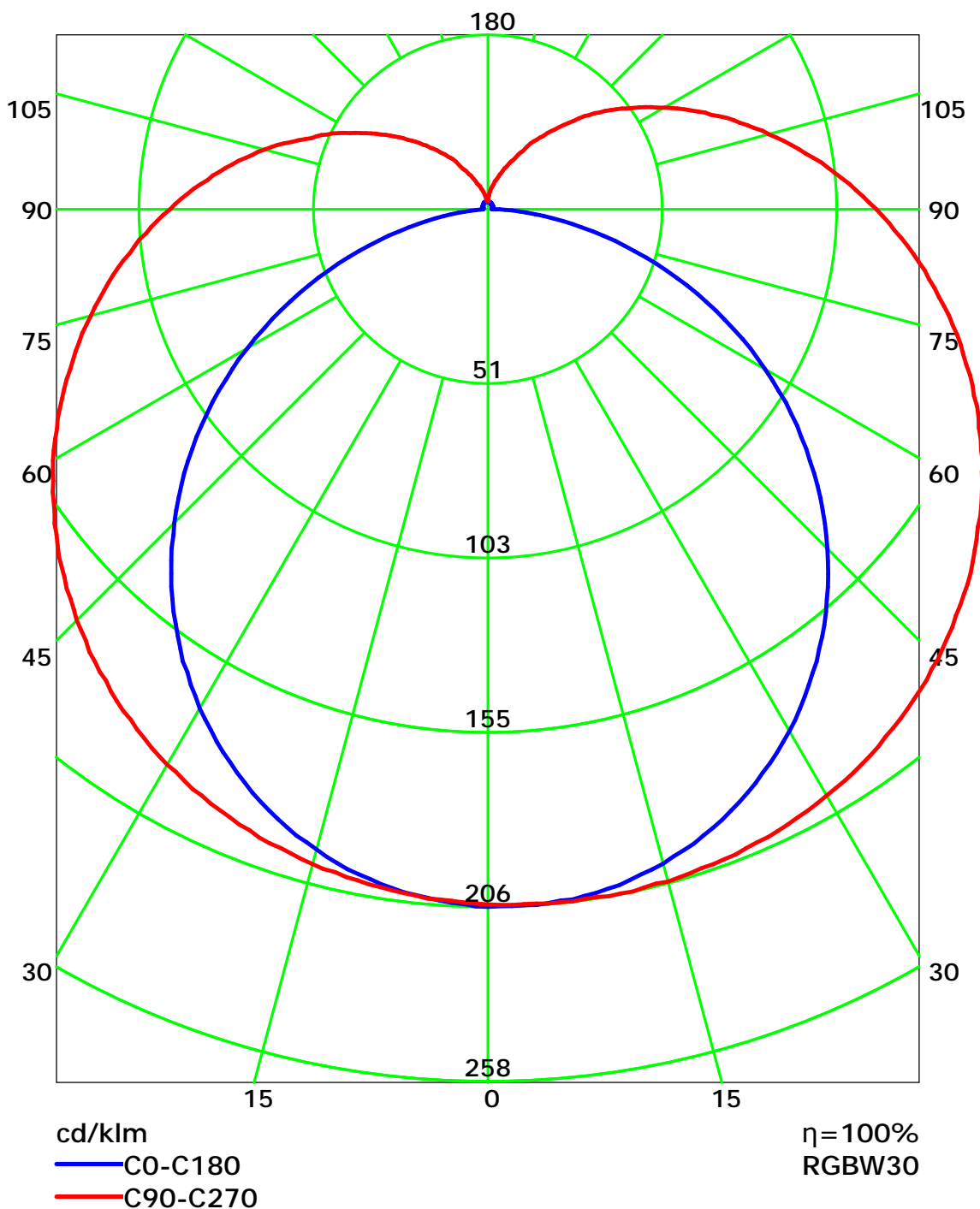
## Luminous Intensity Distribution Curve



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:

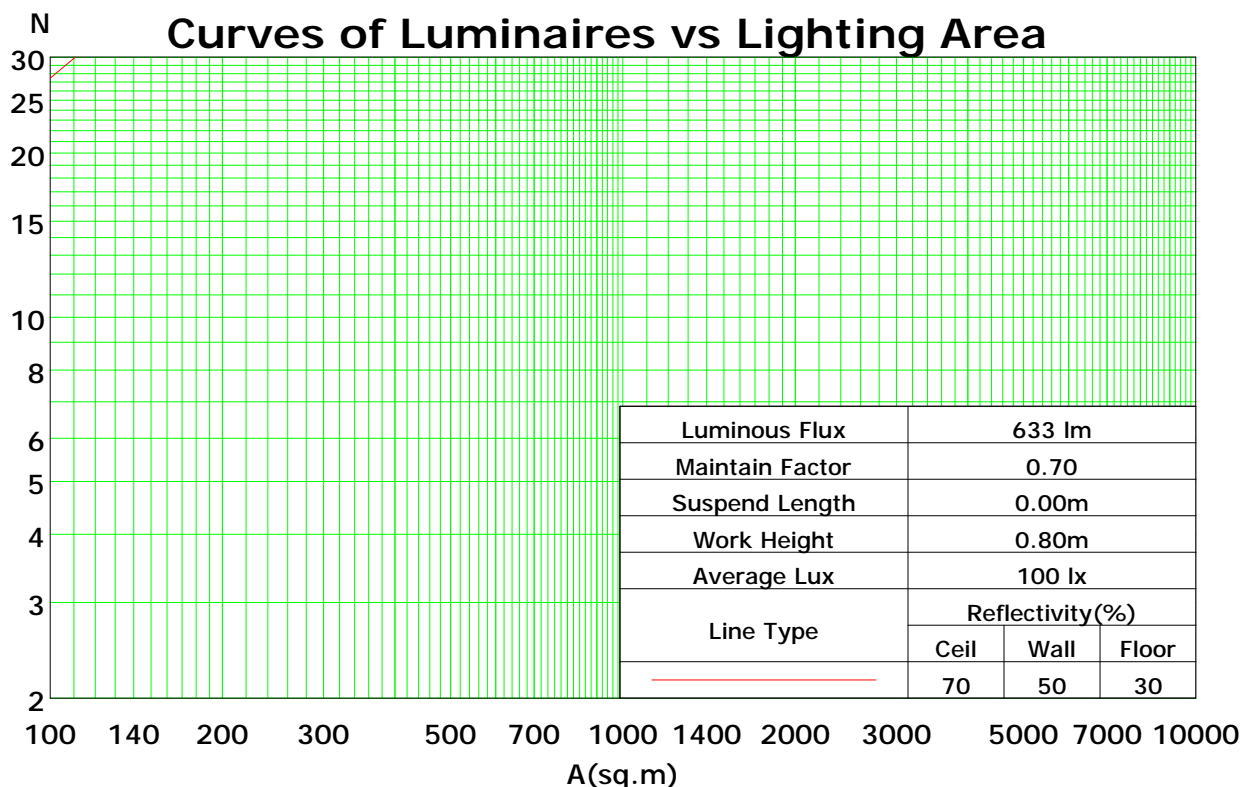
## Coefficients Of Utilization - Zonal Cavity Method

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	93	93	93	85	85	85	81
1	101	95	90	85	97	91	86	82	83	79	76	76	73	70	70	67	65	61
2	91	81	73	67	86	78	71	64	71	65	60	65	60	56	59	55	52	49
3	82	70	61	54	78	67	59	52	62	55	49	56	51	46	51	47	43	40
4	75	62	52	45	71	59	50	44	54	47	41	50	43	38	45	40	36	33
5	68	55	45	38	65	52	44	37	48	41	35	44	38	33	41	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	28	37	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	28	24	21
8	54	40	31	25	51	39	30	25	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	26	20	45	32	25	20	30	23	19	28	22	18	26	21	17	15

Spacing Criteria (0-180): 1.25

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

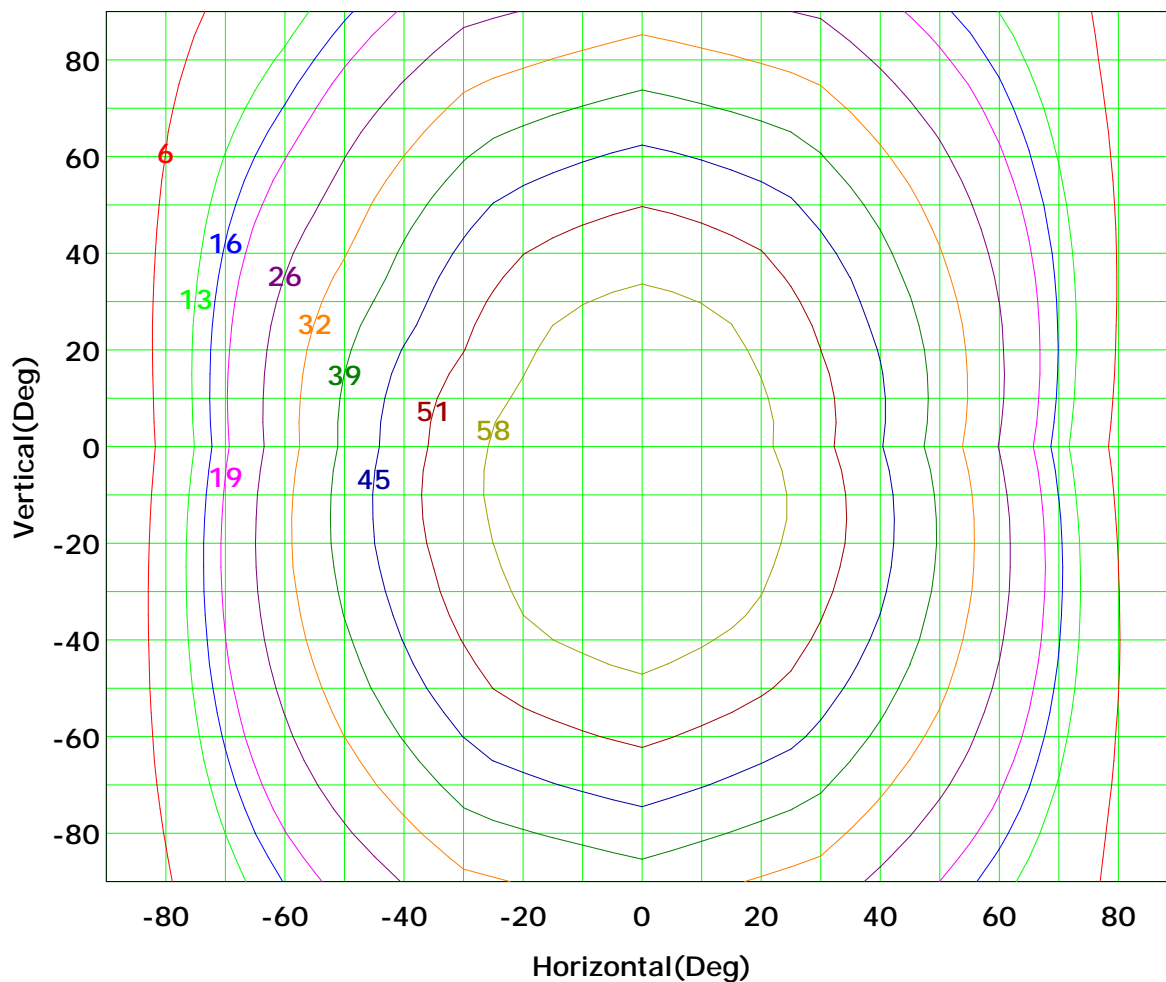
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



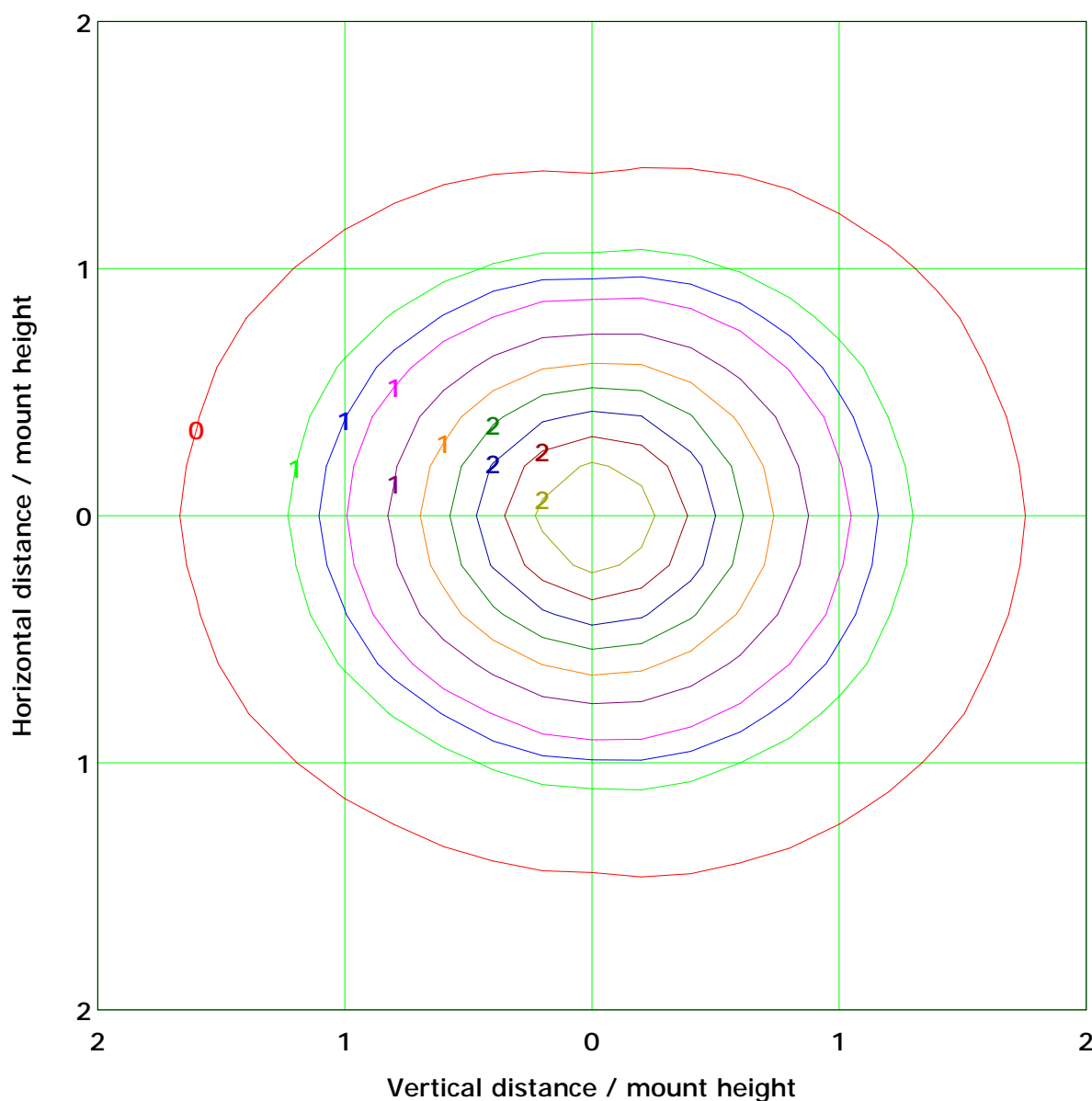
I<sub>max</sub> (100%): 64 cd

( 10%):	6 cd	( 20%):	13 cd
( 25%):	16 cd	( 30%):	19 cd
( 40%):	26 cd	( 50%):	32 cd
( 60%):	39 cd	( 70%):	45 cd
( 80%):	51 cd	( 90%):	58 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%): 2.6 lx

( 10%): 0.3 lx	( 20%): 0.5 lx
( 25%): 0.6 lx	( 30%): 0.8 lx
( 40%): 1.0 lx	( 50%): 1.3 lx
( 60%): 1.5 lx	( 70%): 1.8 lx
( 80%): 2.1 lx	( 90%): 2.3 lx

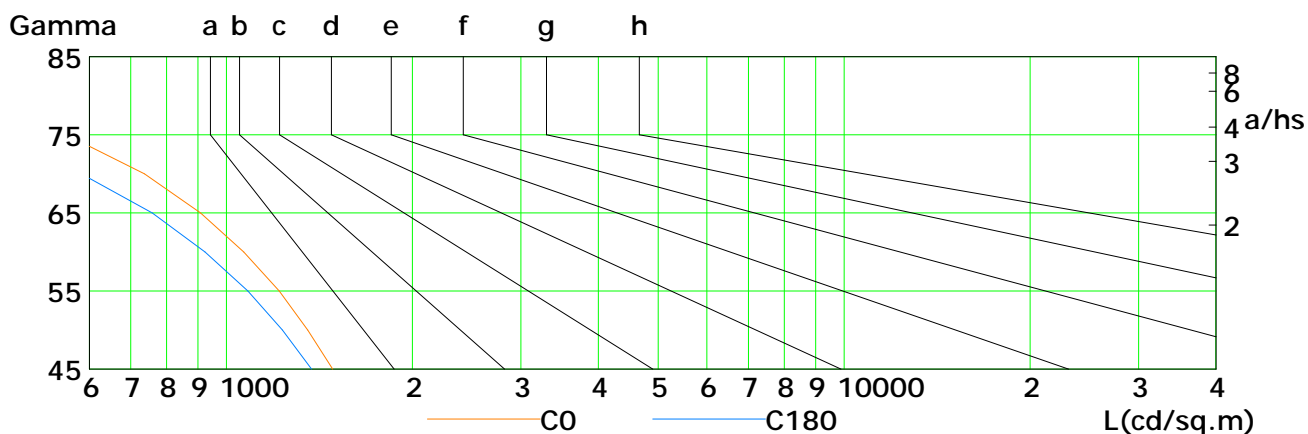
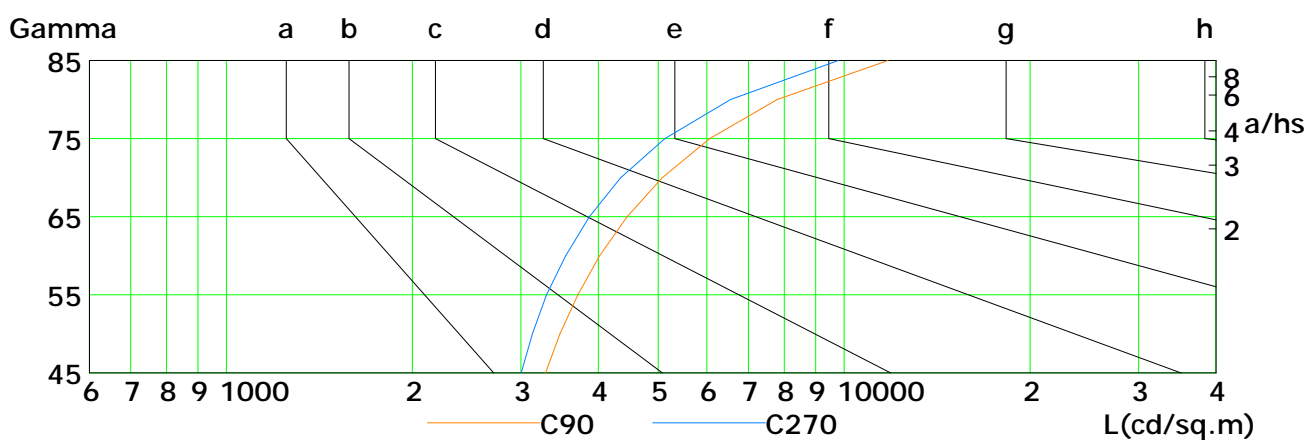
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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



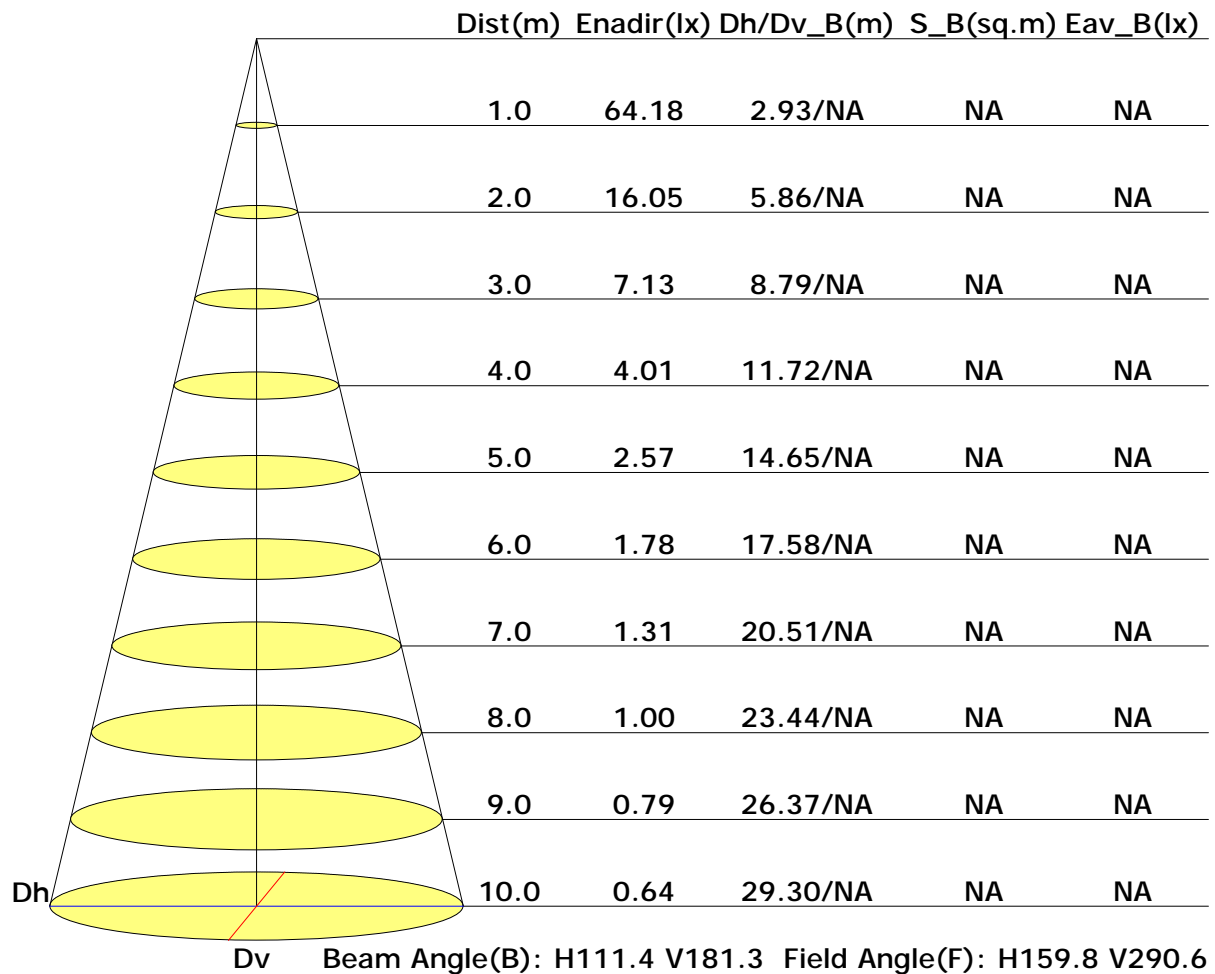
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1487	1354	1218	1066	909	737	551	362	178
C90	3285	3468	3707	4023	4453	5080	6063	7795	11788
C180	1373	1233	1084	924	758	583	400	225	78
C270	3001	3131	3300	3544	3870	4351	5128	6550	9796

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

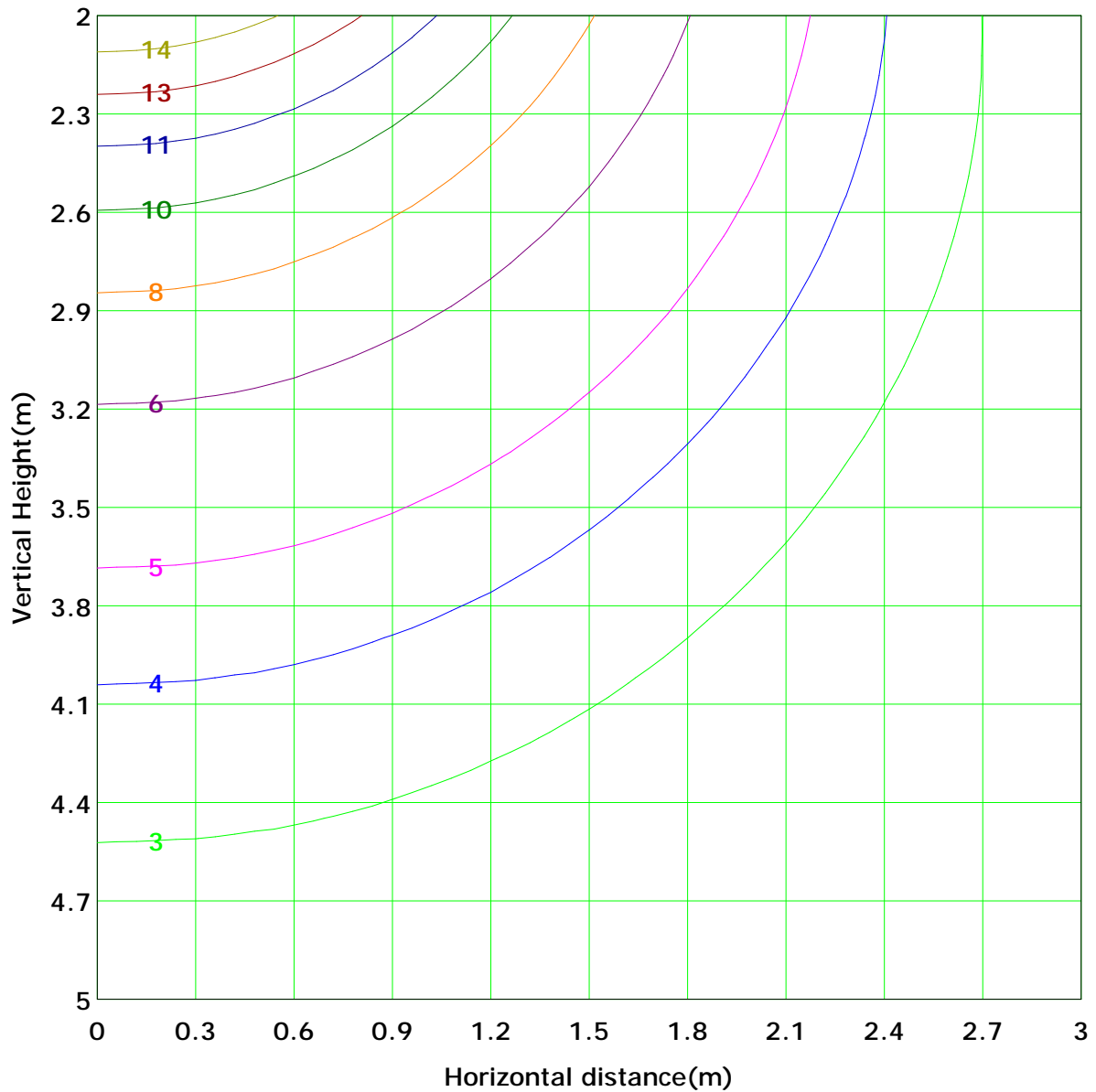


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 16.0 lx
( 10%): 1.6 lx	( 20%): 3.2 lx	
( 25%): 4.0 lx	( 30%): 4.8 lx	
( 40%): 6.4 lx	( 50%): 8.0 lx	
( 60%): 9.6 lx	( 70%): 11.2 lx	
( 80%): 12.8 lx	( 90%): 14.4 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

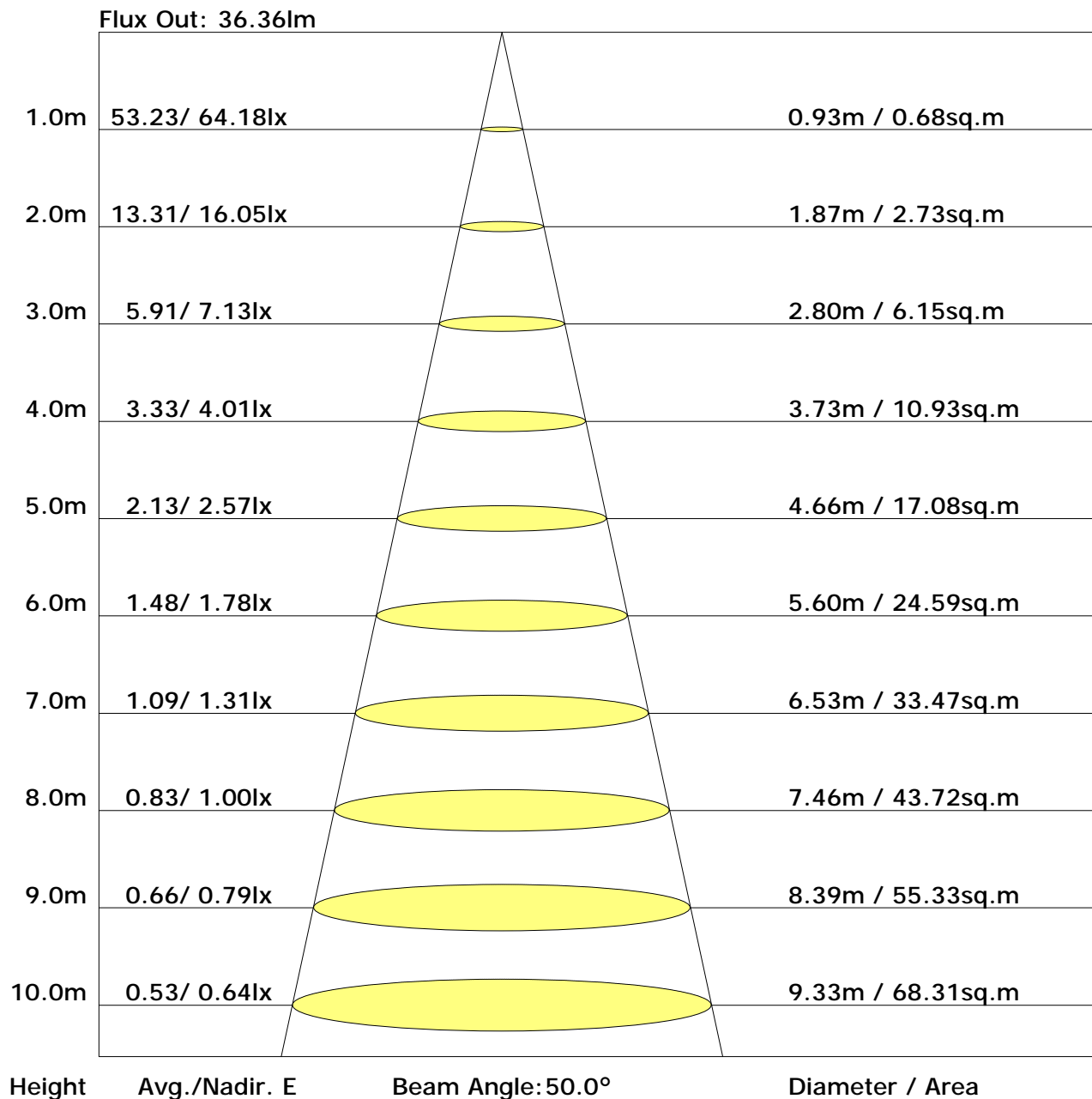
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.0	0.9	0.9	0.9	0.8	0.6	0.4	0.3	0.2	0.1	0.0	0.2	0.0
	-80	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.0	1.5	1.4
	-70	0.0	0.1	0.2	0.4	0.6	0.8	1.1	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.5	0.4	0.2	0.1	0.0	4.3	4.3
	-60	0.0	0.1	0.2	0.4	0.7	0.9	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.8	0.7	0.5	0.3	0.2	0.0	8.5	8.5
	-50	0.0	0.1	0.2	0.5	0.8	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.1	0.9	0.8	0.6	0.4	0.3	0.0	13.5	13.5
	-40	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3	0.0	18.7	18.7
	-30	0.0	0.1	0.3	0.5	0.9	1.2	1.5	1.7	1.8	1.8	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.3	0.0	23.3	23.3
	-20	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	26.7	26.7
	-10	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	28.6	28.6
	0	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	28.7	28.7
	10	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	26.8	26.8
	20	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	23.6	23.6
	30	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	19.0	19.0
	40	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	13.8	13.8
	50	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	8.9	8.9
	60	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	4.7	4.7
	70	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	1.7	1.7
	80	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	0.1	0.1
	90	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.4	0.0	0.2	0.2
	Flux(T)	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.0	253	252
	Flux(E)	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.4	0.3	0.2	0.1	0.0	10.0	10.0

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	16.4	17.8	17.1	18.5	19.2	17.7	19.0	18.3	19.7	20.4
3H	18.4	19.6	19.0	20.3	21.0	20.2	21.5	20.8	22.1	22.9
4H	19.1	20.3	19.7	20.9	21.7	21.4	22.6	22.0	23.3	24.0
6H	19.6	20.7	20.3	21.4	22.2	22.6	23.7	23.2	24.4	25.2
8H	19.8	20.9	20.5	21.6	22.3	23.1	24.2	23.8	24.9	25.7
12H	19.9	20.9	20.6	21.6	22.4	23.7	24.7	24.4	25.4	26.2
X=4H Y=2H	17.2	18.4	17.9	19.1	19.9	18.3	19.5	18.9	20.1	20.9
3H	19.4	20.4	20.0	21.1	21.9	21.1	22.1	21.7	22.8	23.6
4H	20.3	21.2	20.9	21.9	22.8	22.5	23.4	23.1	24.1	25.0
6H	21.0	21.8	21.7	22.6	23.4	23.8	24.7	24.5	25.4	26.2
8H	21.2	22.0	21.9	22.8	23.6	24.5	25.3	25.2	26.0	26.9
12H	21.4	22.2	22.1	22.9	23.8	25.1	25.9	25.9	26.6	27.5
X=8H Y=4H	20.9	21.7	21.6	22.4	23.3	22.8	23.6	23.5	24.4	25.2
6H	21.8	22.5	22.6	23.3	24.2	24.4	25.1	25.2	25.9	26.7
8H	22.3	22.9	23.0	23.6	24.5	25.3	25.9	26.0	26.6	27.5
12H	22.6	23.1	23.3	23.9	24.8	26.1	26.6	26.8	27.4	28.3
X=12H Y=4H	21.1	21.8	21.8	22.6	23.4	22.9	23.6	23.6	24.4	25.2
6H	22.1	22.8	22.9	23.5	24.4	24.6	25.2	25.3	25.9	26.8
8H	22.6	23.2	23.4	23.9	24.9	25.5	26.0	26.2	26.8	27.7

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	0.81	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		0.35	0.42	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	0.82	0.85	
	0.30		0.38	0.45	0.52	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	0.74	0.78	
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.68	0.71	0.75	0.78	
	0.30		0.36	0.42	0.48	0.53	0.59	0.63	0.67	0.71	0.75	
	0.20		0.31	0.37	0.44	0.48	0.55	0.60	0.63	0.68	0.72	
0.00	0.00	0.00	0.28	0.33	0.38	0.42	0.48	0.52	0.56	0.60	0.63	
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 = 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	0.88	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	0.46	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	0.36	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	0.41	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: 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 = 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	0.38	0.39	0.39	0.40	0.40	
	0.30		0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.37	
	0.20		0.23	0.24	0.25	0.26	0.28	0.29	0.31	0.32	0.33	
0.50	0.50	0.20	0.33	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.38	
	0.30		0.27	0.28	0.30	0.30	0.32	0.33	0.33	0.34	0.35	
	0.20		0.22	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.32	
0.30	0.50	0.20	0.32	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	
	0.30		0.27	0.28	0.29	0.30	0.31	0.32	0.32	0.33	0.34	
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31	
0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	
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	64.0	0.1	0.1	0.02	0.02
1.0-2.0	64.0	0.2	0.2	0.06	0.08
2.0-3.0	63.9	0.3	0.6	0.10	0.18
3.0-4.0	63.9	0.4	1.0	0.14	0.32
4.0-5.0	63.8	0.5	1.5	0.18	0.49
5.0-6.0	63.8	0.7	2.2	0.22	0.71
6.0-7.0	63.7	0.8	3.0	0.25	0.96
7.0-8.0	63.6	0.9	3.9	0.29	1.26
8.0-9.0	63.5	1.0	4.9	0.33	1.59
9.0-10.0	63.3	1.1	6.1	0.37	1.96
10.0-11.0	63.2	1.3	7.3	0.41	2.36
11.0-12.0	63.1	1.4	8.7	0.44	2.81
12.0-13.0	62.9	1.5	10.2	0.48	3.29
13.0-14.0	62.7	1.6	11.8	0.52	3.81
14.0-15.0	62.5	1.7	13.5	0.55	4.36
15.0-16.0	62.3	1.8	15.4	0.59	4.95
16.0-17.0	62.0	1.9	17.3	0.62	5.57
17.0-18.0	61.8	2.0	19.3	0.66	6.23
18.0-19.0	61.5	2.1	21.5	0.69	6.92
19.0-20.0	61.3	2.2	23.7	0.72	7.64
20.0-21.0	61.0	2.3	26.1	0.75	8.40
21.0-22.0	60.7	2.4	28.5	0.79	9.18
22.0-23.0	60.4	2.5	31.0	0.82	10.00
23.0-24.0	60.0	2.6	33.6	0.85	10.85
24.0-25.0	59.7	2.7	36.4	0.87	11.72
25.0-26.0	59.3	2.8	39.2	0.90	12.62
26.0-27.0	59.0	2.9	42.0	0.93	13.55
27.0-28.0	58.6	3.0	45.0	0.96	14.51
28.0-29.0	58.2	3.0	48.1	0.98	15.49
29.0-30.0	57.8	3.1	51.2	1.01	16.49
30.0-31.0	57.3	3.2	54.4	1.03	17.52
31.0-32.0	56.9	3.3	57.6	1.05	18.57
32.0-33.0	56.4	3.3	61.0	1.07	19.65
33.0-34.0	56.0	3.4	64.3	1.09	20.74
34.0-35.0	55.5	3.4	67.8	1.11	21.85
35.0-36.0	55.0	3.5	71.3	1.13	22.98

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 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	54.5	3.6	74.8	1.15	24.12
37.0-38.0	54.0	3.6	78.4	1.16	25.28
38.0-39.0	53.4	3.6	82.1	1.18	26.46
39.0-40.0	52.9	3.7	85.8	1.19	27.65
40.0-41.0	52.3	3.7	89.5	1.20	28.85
41.0-42.0	51.8	3.8	93.3	1.21	30.06
42.0-43.0	51.2	3.8	97.1	1.22	31.28
43.0-44.0	50.6	3.8	100.9	1.23	32.52
44.0-45.0	50.0	3.8	104.7	1.24	33.75
45.0-46.0	49.4	3.9	108.6	1.25	35.00
46.0-47.0	48.8	3.9	112.5	1.25	36.25
47.0-48.0	48.1	3.9	116.4	1.25	37.50
48.0-49.0	47.5	3.9	120.3	1.26	38.76
49.0-50.0	46.9	3.9	124.2	1.26	40.02
50.0-51.0	46.2	3.9	128.1	1.26	41.28
51.0-52.0	45.6	3.9	132.0	1.26	42.54
52.0-53.0	44.9	3.9	135.9	1.26	43.80
53.0-54.0	44.2	3.9	139.8	1.26	45.06
54.0-55.0	43.5	3.9	143.7	1.25	46.31
55.0-56.0	42.8	3.9	147.6	1.25	47.56
56.0-57.0	42.1	3.9	151.4	1.24	48.80
57.0-58.0	41.4	3.8	155.2	1.23	50.03
58.0-59.0	40.7	3.8	159.0	1.23	51.26
59.0-60.0	40.0	3.8	162.8	1.22	52.48
60.0-61.0	39.3	3.7	166.6	1.21	53.68
61.0-62.0	38.5	3.7	170.3	1.20	54.88
62.0-63.0	37.8	3.7	173.9	1.18	56.06
63.0-64.0	37.1	3.6	177.6	1.17	57.24
64.0-65.0	36.3	3.6	181.2	1.16	58.40
65.0-66.0	35.6	3.6	184.7	1.14	59.54
66.0-67.0	34.8	3.5	188.2	1.13	60.67
67.0-68.0	34.1	3.5	191.7	1.11	61.79
68.0-69.0	33.4	3.4	195.1	1.10	62.88
69.0-70.0	32.6	3.4	198.5	1.08	63.96
70.0-71.0	31.9	3.3	201.7	1.06	65.02
71.0-72.0	31.1	3.2	205.0	1.04	66.07

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	30.4	3.2	208.2	1.03	67.09
73.0-74.0	29.7	3.1	211.3	1.01	68.10
74.0-75.0	29.0	3.1	214.3	0.99	69.09
75.0-76.0	28.2	3.0	217.3	0.97	70.05
76.0-77.0	27.5	2.9	220.3	0.95	71.00
77.0-78.0	26.8	2.9	223.2	0.93	71.93
78.0-79.0	26.1	2.8	226.0	0.90	72.83
79.0-80.0	25.4	2.7	228.7	0.88	73.71
80.0-81.0	24.8	2.7	231.4	0.86	74.58
81.0-82.0	24.1	2.6	234.0	0.84	75.42
82.0-83.0	23.4	2.5	236.5	0.82	76.24
83.0-84.0	22.8	2.5	239.0	0.80	77.04
84.0-85.0	22.2	2.4	241.4	0.78	77.82
85.0-86.0	21.6	2.4	243.8	0.76	78.58
86.0-87.0	21.0	2.3	246.1	0.74	79.32
87.0-88.0	20.4	2.2	248.3	0.72	80.04
88.0-89.0	19.9	2.2	250.5	0.70	80.75
89.0-90.0	19.4	2.1	252.6	0.69	81.43
90.0-91.0	18.9	2.1	254.7	0.67	82.10
91.0-92.0	18.4	2.0	256.7	0.65	82.75
92.0-93.0	18.0	2.0	258.7	0.63	83.38
93.0-94.0	17.5	1.9	260.6	0.62	84.00
94.0-95.0	17.1	1.9	262.5	0.60	84.60
95.0-96.0	16.7	1.8	264.3	0.59	85.19
96.0-97.0	16.3	1.8	266.1	0.57	85.76
97.0-98.0	15.9	1.7	267.8	0.56	86.32
98.0-99.0	15.5	1.7	269.5	0.54	86.86
99.0-100.0	15.1	1.6	271.1	0.53	87.39
100.0-101.0	14.7	1.6	272.7	0.51	87.90
101.0-102.0	14.4	1.5	274.3	0.50	88.40
102.0-103.0	14.0	1.5	275.8	0.48	88.88
103.0-104.0	13.7	1.5	277.2	0.47	89.35
104.0-105.0	13.4	1.4	278.6	0.46	89.81
105.0-106.0	13.0	1.4	280.0	0.44	90.25
106.0-107.0	12.7	1.3	281.4	0.43	90.68
107.0-108.0	12.4	1.3	282.6	0.42	91.10

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	12.0	1.3	283.9	0.40	91.50
109.0-110.0	11.7	1.2	285.1	0.39	91.89
110.0-111.0	11.4	1.2	286.3	0.38	92.27
111.0-112.0	11.1	1.1	287.4	0.37	92.64
112.0-113.0	10.9	1.1	288.5	0.35	92.99
113.0-114.0	10.6	1.1	289.6	0.34	93.34
114.0-115.0	10.3	1.0	290.6	0.33	93.67
115.0-116.0	10.0	1.0	291.6	0.32	93.99
116.0-117.0	9.7	1.0	292.6	0.31	94.30
117.0-118.0	9.5	0.9	293.5	0.30	94.59
118.0-119.0	9.2	0.9	294.4	0.29	94.88
119.0-120.0	8.9	0.9	295.2	0.28	95.15
120.0-121.0	8.7	0.8	296.0	0.26	95.42
121.0-122.0	8.4	0.8	296.8	0.25	95.67
122.0-123.0	8.2	0.8	297.6	0.24	95.92
123.0-124.0	8.0	0.7	298.3	0.23	96.15
124.0-125.0	7.7	0.7	299.0	0.22	96.38
125.0-126.0	7.5	0.7	299.7	0.22	96.59
126.0-127.0	7.3	0.6	300.3	0.21	96.80
127.0-128.0	7.0	0.6	300.9	0.20	97.00
128.0-129.0	6.8	0.6	301.5	0.19	97.18
129.0-130.0	6.6	0.6	302.1	0.18	97.36
130.0-131.0	6.3	0.5	302.6	0.17	97.53
131.0-132.0	6.1	0.5	303.1	0.16	97.69
132.0-133.0	5.9	0.5	303.6	0.15	97.85
133.0-134.0	5.7	0.5	304.0	0.15	97.99
134.0-135.0	5.5	0.4	304.5	0.14	98.13
135.0-136.0	5.3	0.4	304.9	0.13	98.26
136.0-137.0	5.1	0.4	305.3	0.12	98.39
137.0-138.0	4.9	0.4	305.6	0.12	98.50
138.0-139.0	4.8	0.3	306.0	0.11	98.62
139.0-140.0	4.6	0.3	306.3	0.11	98.72
140.0-141.0	4.4	0.3	306.6	0.10	98.82
141.0-142.0	4.3	0.3	306.9	0.09	98.91
142.0-143.0	4.1	0.3	307.2	0.09	99.00
143.0-144.0	3.9	0.3	307.4	0.08	99.08

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	3.7	0.2	307.7	0.08	99.16
145.0-146.0	3.6	0.2	307.9	0.07	99.23
146.0-147.0	3.4	0.2	308.1	0.07	99.30
147.0-148.0	3.3	0.2	308.3	0.06	99.36
148.0-149.0	3.1	0.2	308.5	0.06	99.42
149.0-150.0	3.0	0.2	308.6	0.05	99.47
150.0-151.0	2.9	0.2	308.8	0.05	99.52
151.0-152.0	2.8	0.1	308.9	0.05	99.57
152.0-153.0	2.6	0.1	309.1	0.04	99.61
153.0-154.0	2.5	0.1	309.2	0.04	99.65
154.0-155.0	2.4	0.1	309.3	0.04	99.69
155.0-156.0	2.3	0.1	309.4	0.03	99.72
156.0-157.0	2.2	0.1	309.5	0.03	99.75
157.0-158.0	2.1	0.1	309.6	0.03	99.78
158.0-159.0	2.0	0.1	309.7	0.03	99.81
159.0-160.0	1.9	0.1	309.7	0.02	99.83
160.0-161.0	1.8	0.1	309.8	0.02	99.85
161.0-162.0	1.7	0.1	309.9	0.02	99.87
162.0-163.0	1.7	0.1	309.9	0.02	99.89
163.0-164.0	1.6	0.0	310.0	0.02	99.91
164.0-165.0	1.5	0.0	310.0	0.01	99.92
165.0-166.0	1.4	0.0	310.1	0.01	99.93
166.0-167.0	1.4	0.0	310.1	0.01	99.94
167.0-168.0	1.3	0.0	310.1	0.01	99.95
168.0-169.0	1.2	0.0	310.1	0.01	99.96
169.0-170.0	1.1	0.0	310.2	0.01	99.97
170.0-171.0	1.1	0.0	310.2	0.01	99.98
171.0-172.0	1.1	0.0	310.2	0.01	99.98
172.0-173.0	1.0	0.0	310.2	0.00	99.99
173.0-174.0	1.0	0.0	310.2	0.00	99.99
174.0-175.0	0.9	0.0	310.2	0.00	99.99
175.0-176.0	0.9	0.0	310.2	0.00	100.00
176.0-177.0	0.9	0.0	310.3	0.00	100.00
177.0-178.0	0.9	0.0	310.3	0.00	100.00
178.0-179.0	0.8	0.0	310.3	0.00	100.00
179.0-180.0	0.8	0.0	310.3	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: