

Report No.:

Test Time: 2023/2/21 12:20

## Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: WALL WASHER

Luminaire Description: FORTEACNS12RGBW4040-ALL ON

Luminous Length (mm): 330

Luminous Width (mm): 96

Luminous Height (mm): 162.5

Voltage: 219.3 V

Current: 0.159 A

Power: 32.46 W

Power Factor: 0.931

## Photometric Results

CIE Class: Direct

Measurement Flux: 1269.2 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H84.8,H42.2

Vertical Diffuse Angle(10%,50%): V80,V42.4

Luminaire Efficacy Rating (LER): 39

Max. Intensity: 1836.12 cd

Total Rated Lamp Lumens: 1269.2 lm

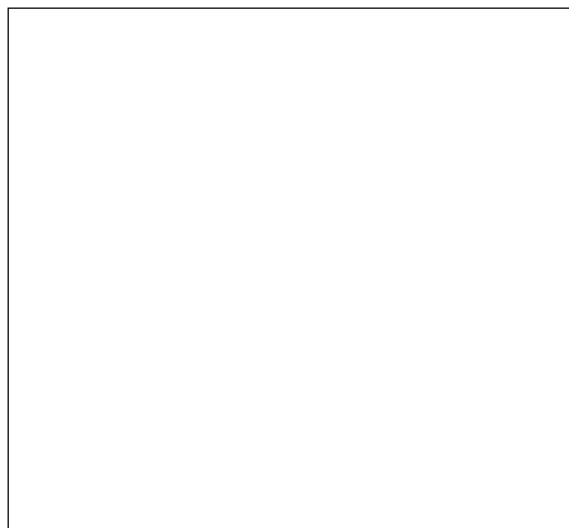
Efficiency: 100%

Upward Ratio: 2%

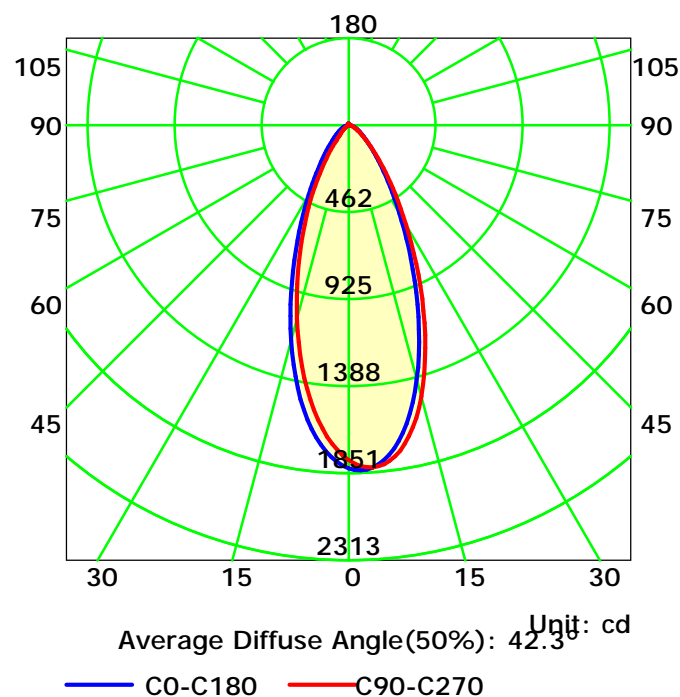
Central Intensity: 1825.24 cd

Pos of Max. Intensity: H0 V2

Picture Of Luminaire



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

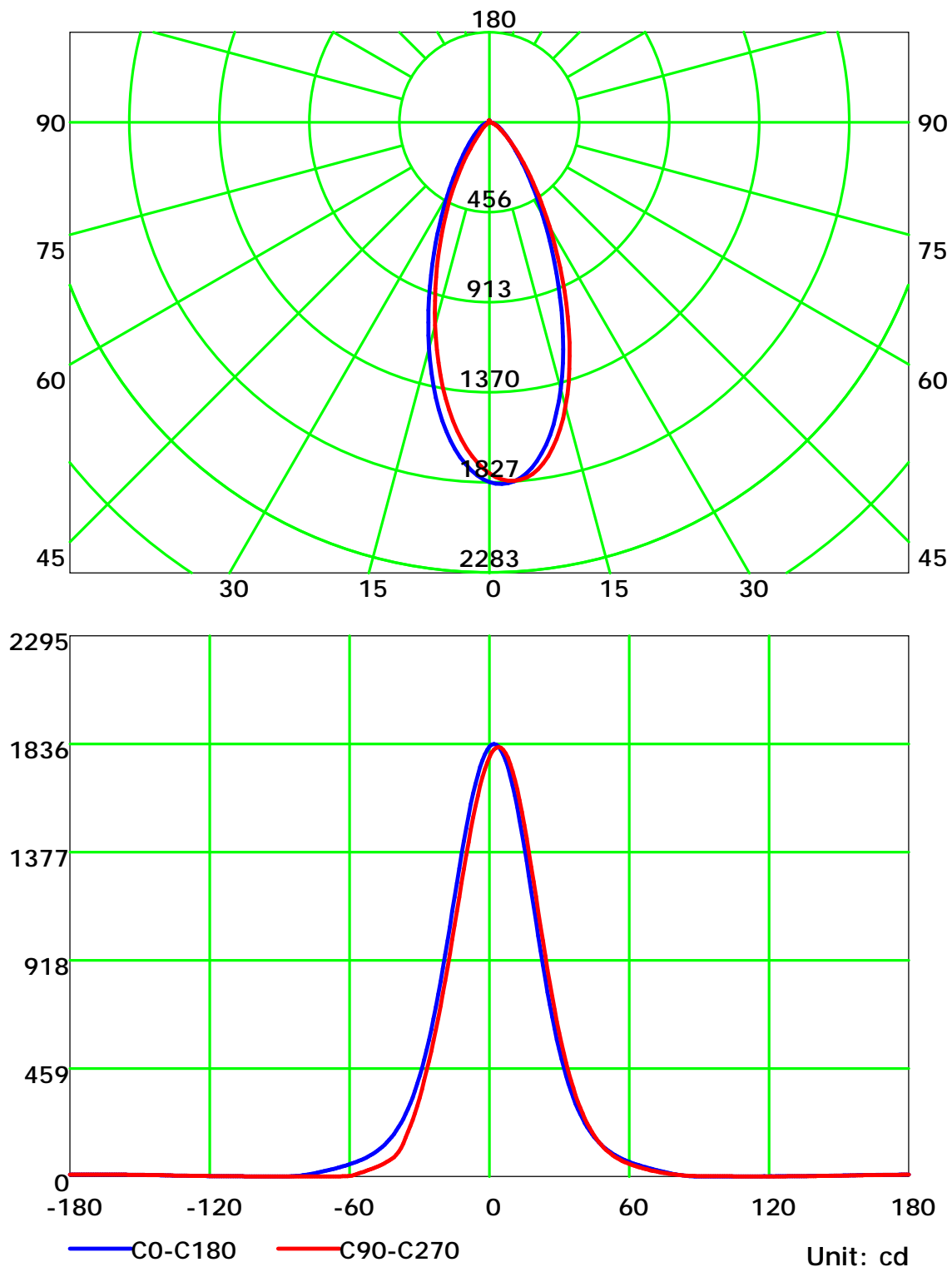
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

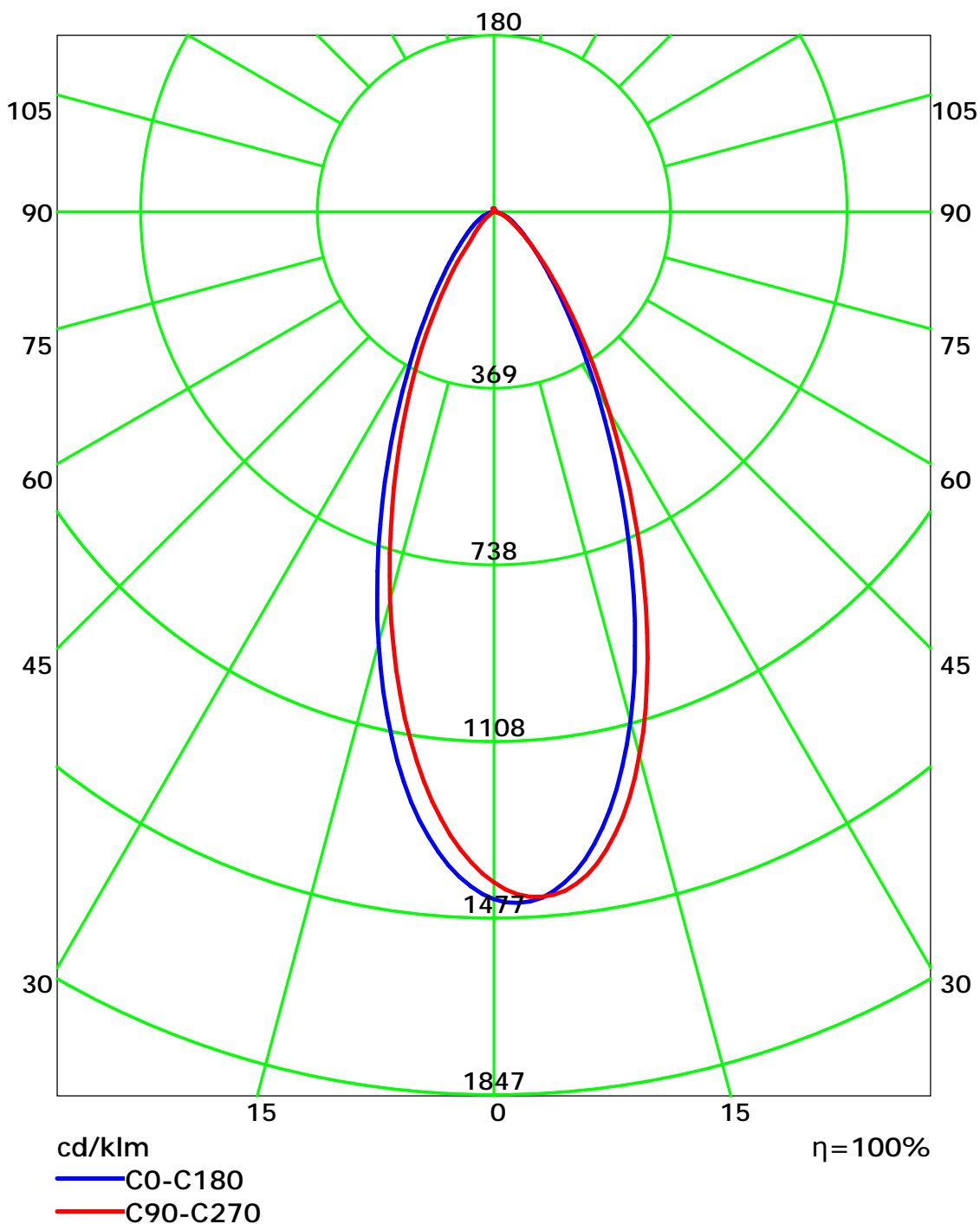
## Luminous Intensity Distribution Curve



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:

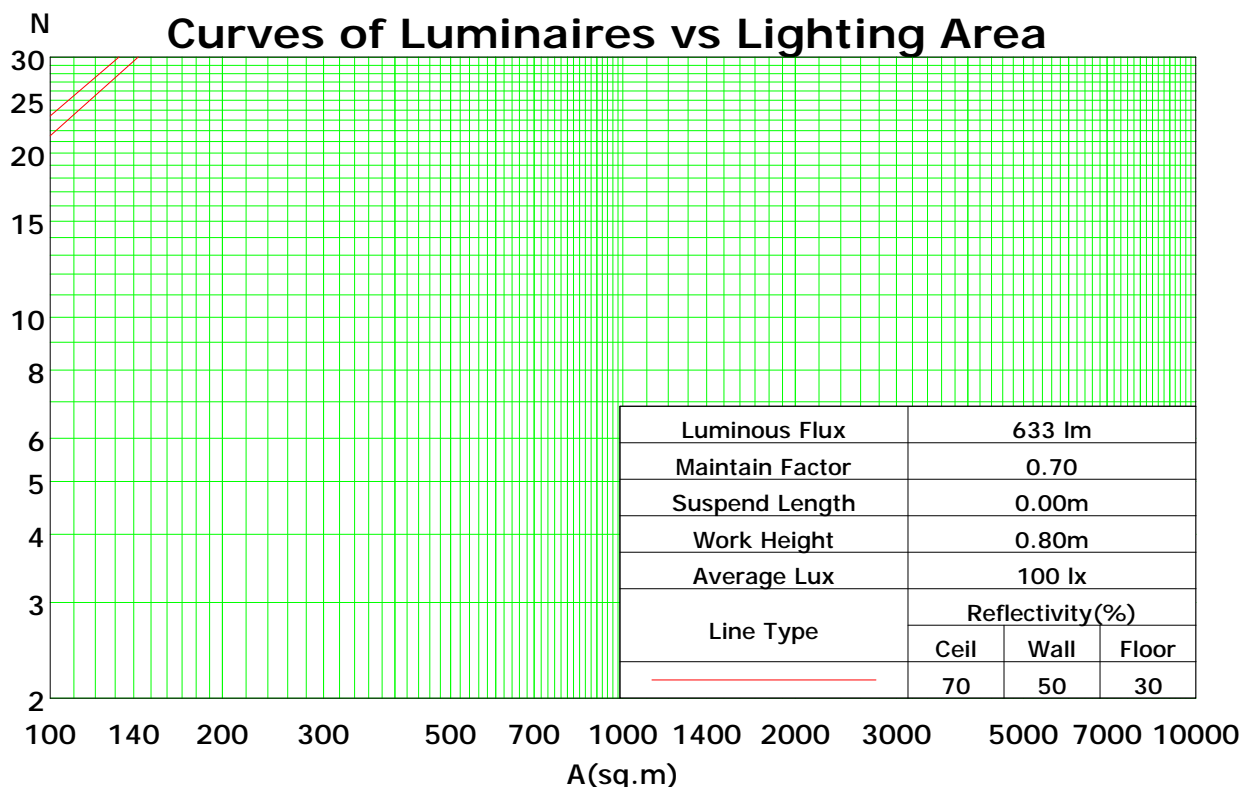
## Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	112	109	107	104	110	107	105	102	103	101	99	99	97	96	95	94	93	91
2	106	101	97	93	104	99	95	92	96	92	89	92	90	87	89	87	85	83
3	101	94	88	84	98	92	87	83	89	85	82	86	83	80	84	81	79	77
4	95	87	81	77	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	71	88	80	74	70	78	73	69	76	72	69	75	71	68	66
6	86	76	70	65	84	75	69	65	74	68	65	72	67	64	70	66	63	62
7	81	72	65	61	80	71	65	61	69	64	60	68	63	60	67	63	59	58
8	77	68	61	57	76	67	61	57	66	60	57	64	60	56	63	59	56	54
9	74	64	58	54	73	63	58	54	62	57	53	61	56	53	60	56	53	51
10	70	61	55	51	69	60	54	51	59	54	50	58	53	50	57	53	50	49

Spacing Criteria (0-180): 0.67

Spacing Criteria (90-270): 0.68

Spacing Criteria (Diagonal): 0.70



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

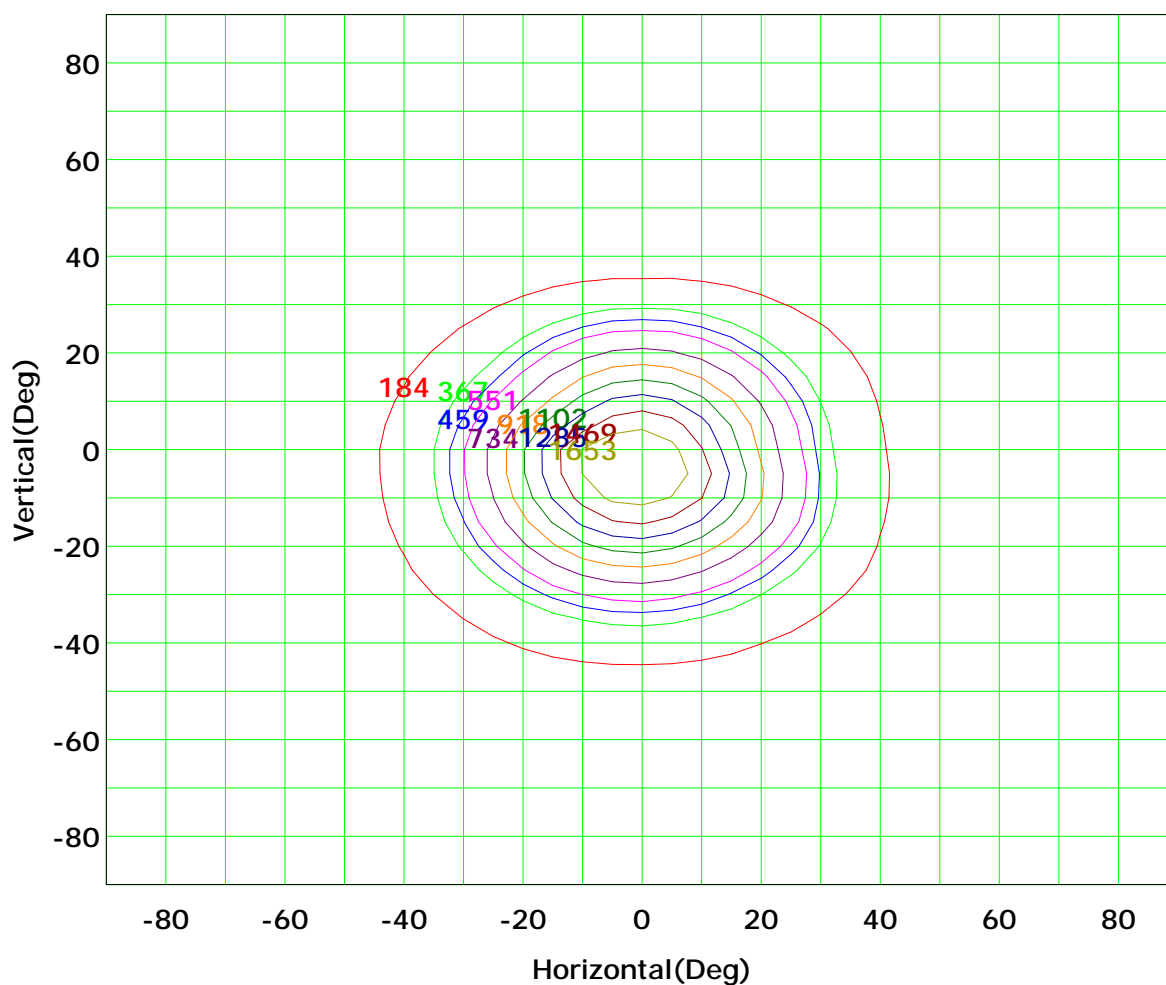
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



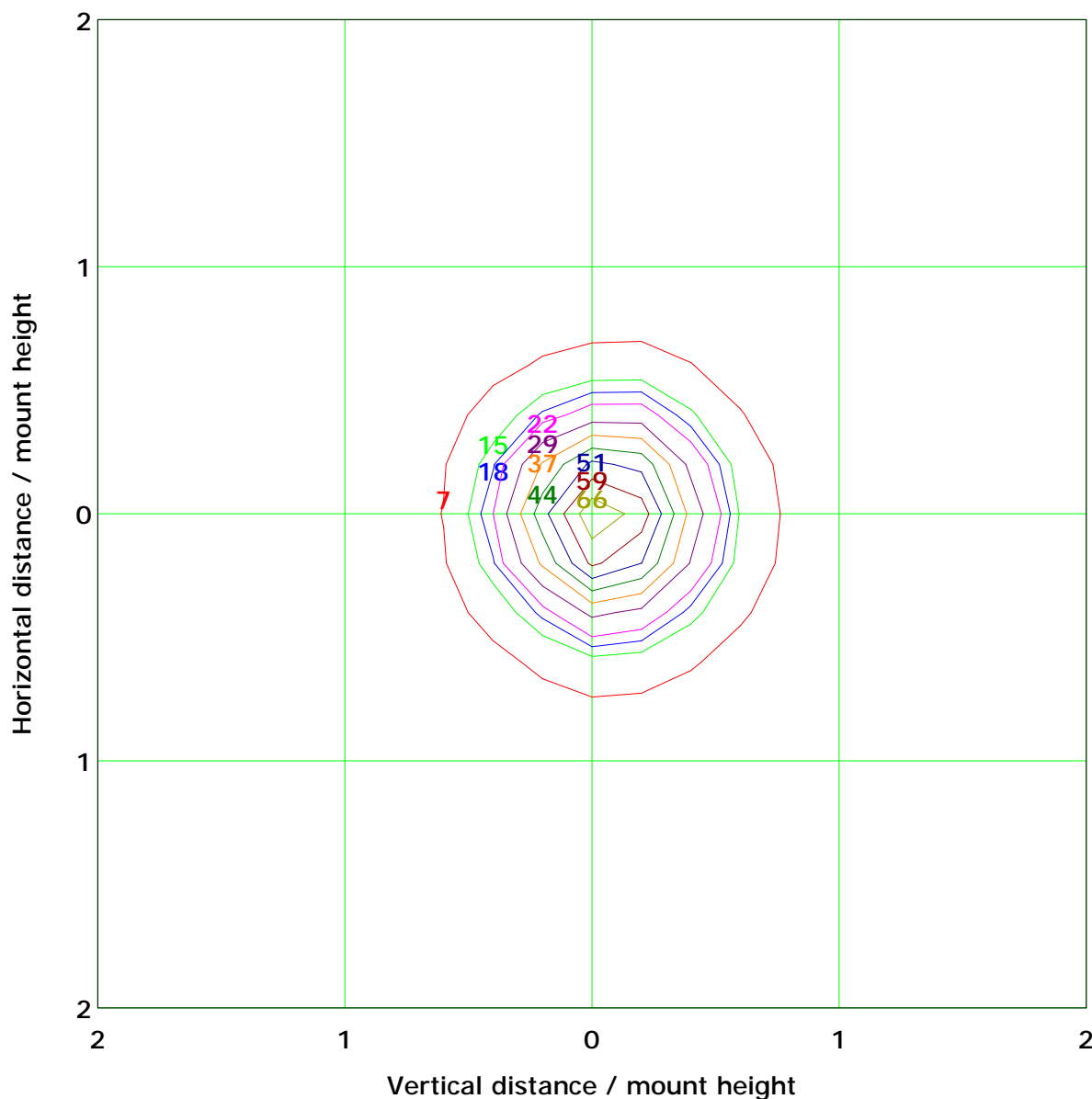
Imax (100%): 1836 cd

( 10%): 184 cd	( 20%): 367 cd
( 25%): 459 cd	( 30%): 551 cd
( 40%): 734 cd	( 50%): 918 cd
( 60%): 1102 cd	( 70%): 1285 cd
( 80%): 1469 cd	( 90%): 1653 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%): 73.3 lx	
( 10%): 7.3 lx	( 20%): 14.7 lx
( 25%): 18.3 lx	( 30%): 22.0 lx
( 40%): 29.3 lx	( 50%): 36.7 lx
( 60%): 44.0 lx	( 70%): 51.3 lx
( 80%): 58.7 lx	( 90%): 66.0 lx

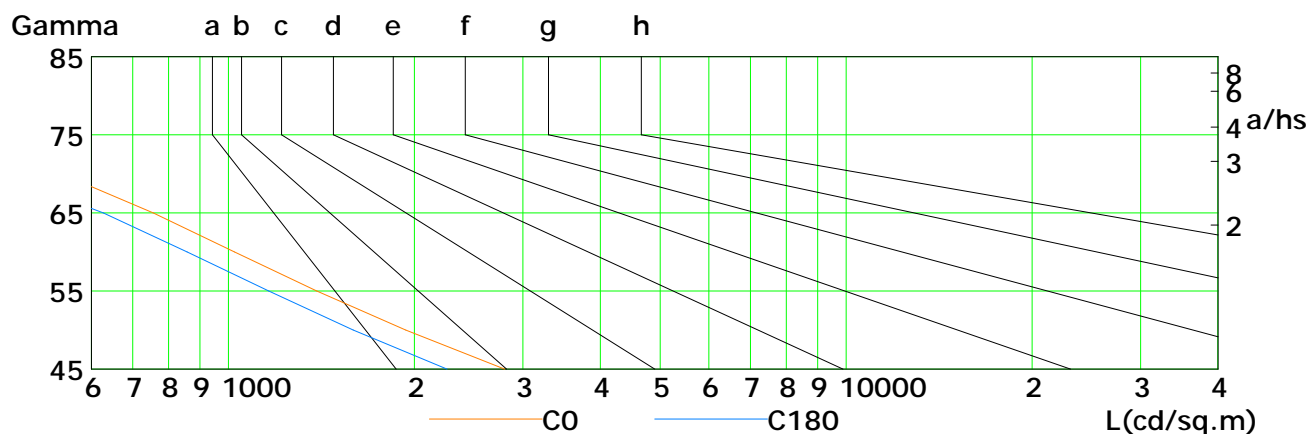
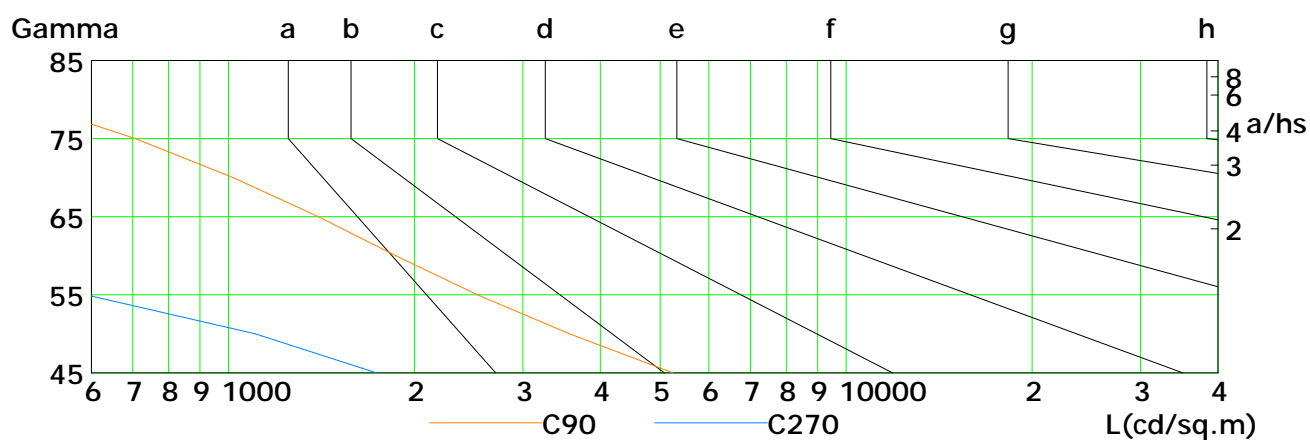
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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

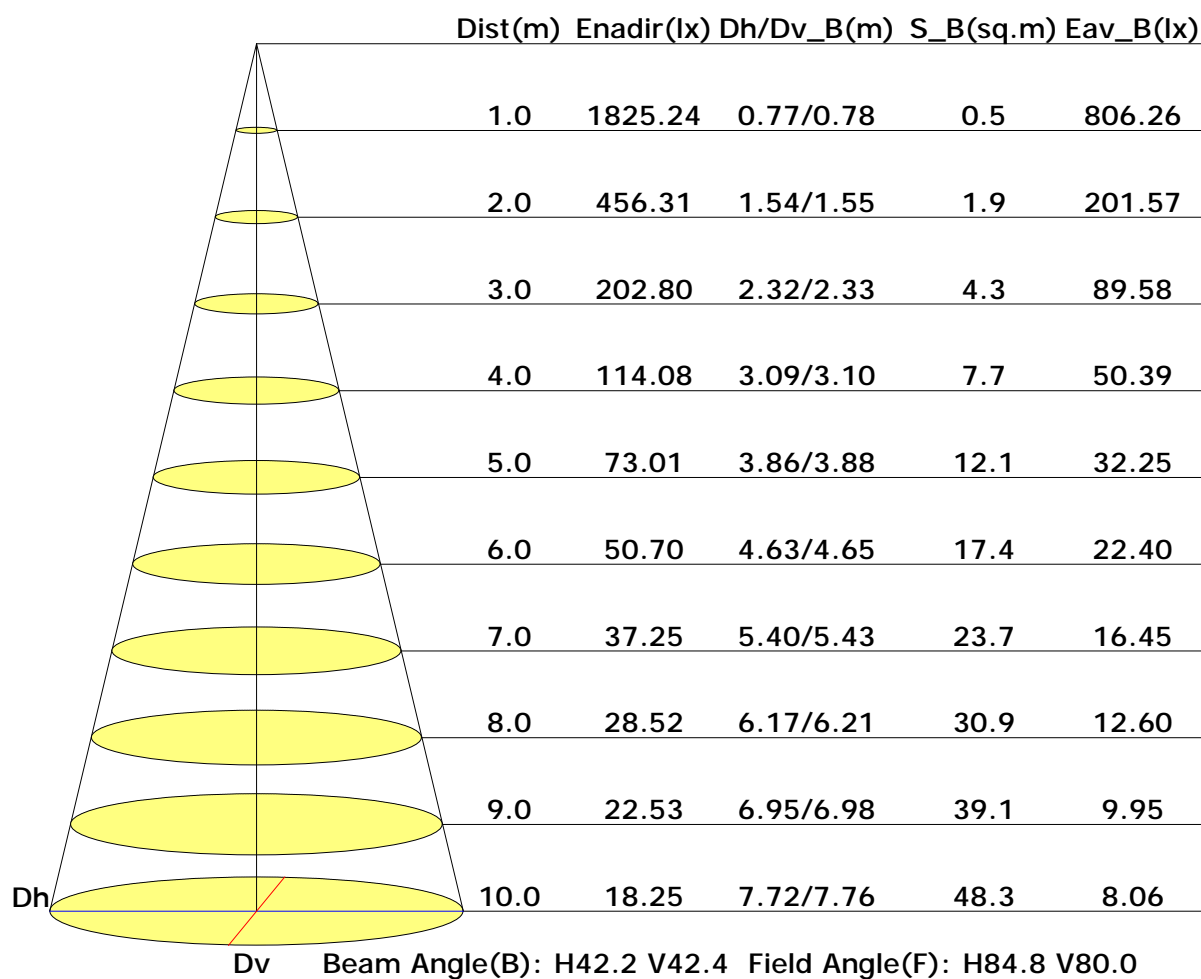


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2801	1938	1391	1023	756	537	344	180	67
C90	5245	3567	2532	1866	1399	1019	707	454	256
C180	2261	1593	1163	858	628	428	258	116	41
C270	1738	1106	588	140	68	69	73	81	93

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

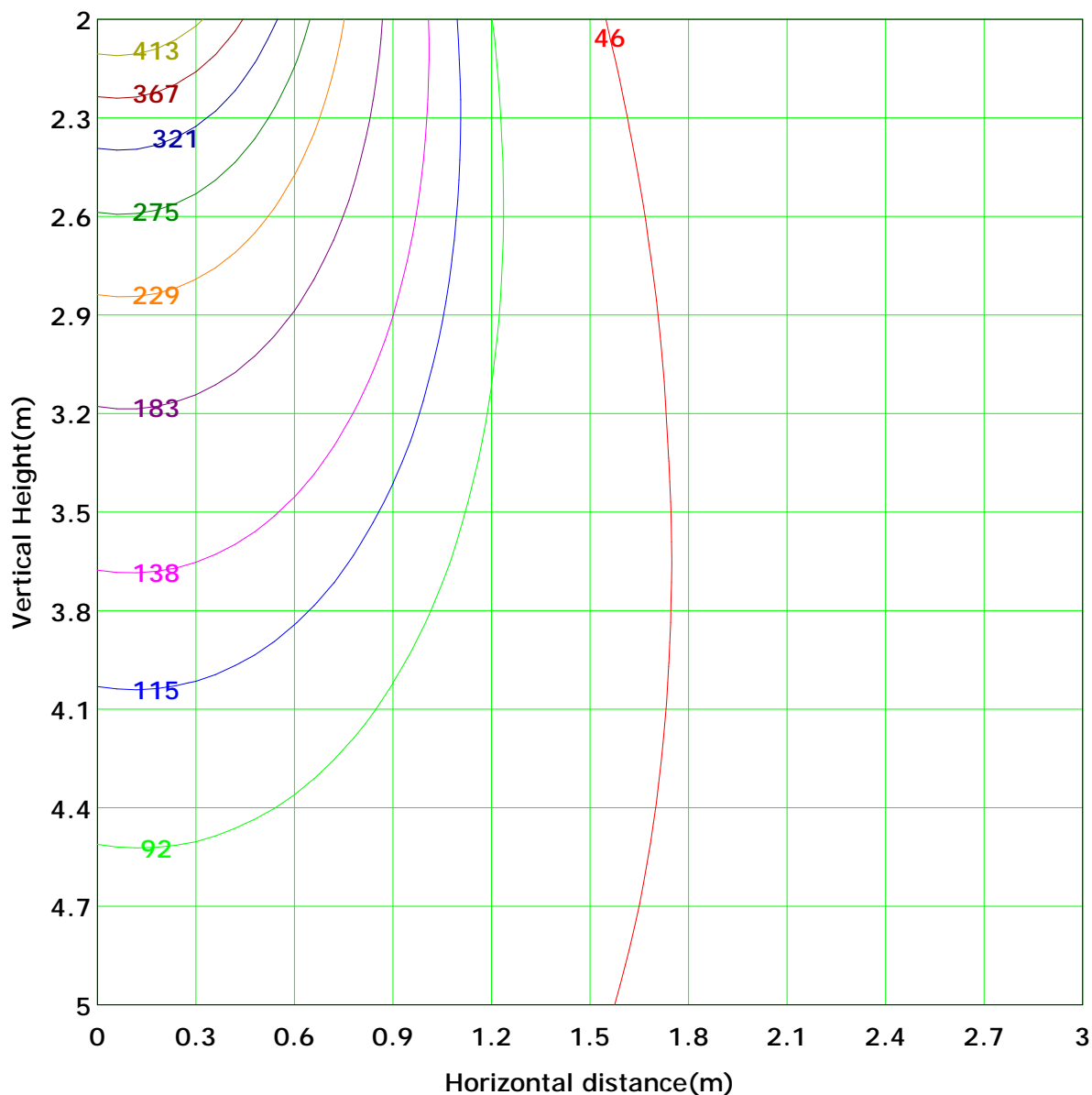


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Jacky

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: 458.4 lx
( 10%): 45.8 lx	( 20%): 91.7 lx	
( 25%): 114.6 lx	( 30%): 137.5 lx	
( 40%): 183.4 lx	( 50%): 229.2 lx	
( 60%): 275.1 lx	( 70%): 320.9 lx	
( 80%): 366.8 lx	( 90%): 412.6 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

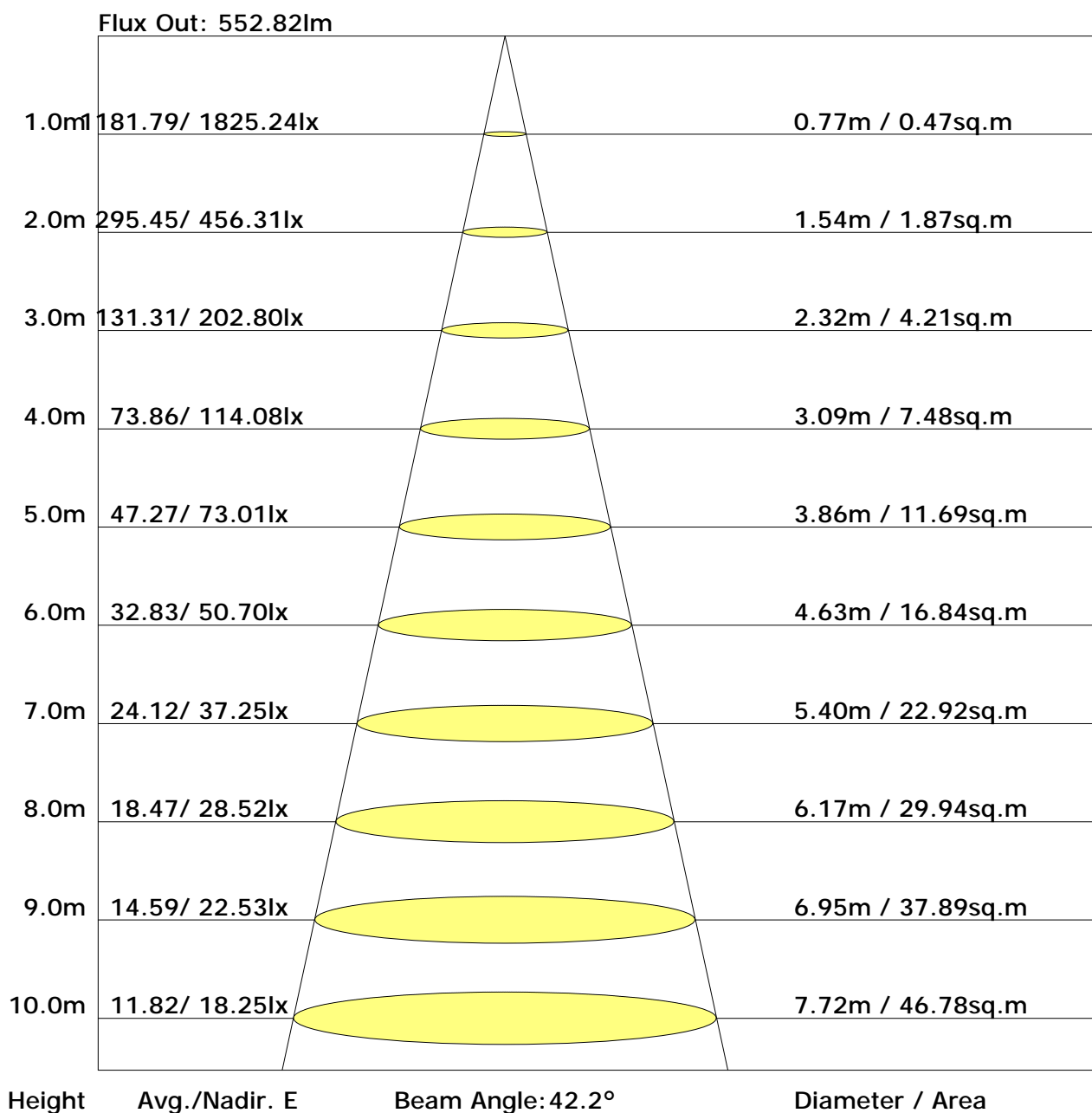
Unit: lm

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)
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.7	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.2	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	176.5	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	241.8	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	0.0	246.6	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	187.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.9	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.5	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.3	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1245	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1062	0.0

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



## 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	9.1	10.2	9.5	10.5	10.9	8.0	9.1	8.4	9.4	9.8
3H	10.1	11.1	10.5	11.4	11.8	8.7	9.6	9.1	10.0	10.4
4H	10.4	11.3	10.8	11.7	12.1	8.8	9.7	9.2	10.1	10.5
6H	10.5	11.3	11.0	11.7	12.2	8.8	9.7	9.3	10.1	10.5
8H	10.5	11.3	11.0	11.7	12.2	8.8	9.6	9.3	10.0	10.5
12H	10.5	11.2	11.0	11.6	12.1	8.8	9.5	9.3	9.9	10.4
X=4H Y=2H	9.0	9.9	9.5	10.3	10.8	8.3	9.2	8.8	9.6	10.0
3H	10.2	10.9	10.6	11.3	11.8	9.1	9.8	9.6	10.3	10.7
4H	10.5	11.1	11.0	11.6	12.1	9.3	9.9	9.8	10.4	10.9
6H	10.7	11.2	11.2	11.7	12.2	9.4	9.9	9.9	10.4	10.9
8H	10.7	11.2	11.2	11.7	12.2	9.4	9.9	9.9	10.4	10.9
12H	10.6	11.1	11.2	11.6	12.1	9.3	9.8	9.9	10.3	10.8
X=8H Y=4H	10.4	10.9	10.9	11.4	11.9	9.4	9.9	9.9	10.4	10.9
6H	10.6	11.0	11.1	11.5	12.1	9.5	9.9	10.0	10.4	10.9
8H	10.6	11.0	11.2	11.5	12.1	9.5	9.8	10.0	10.4	10.9
12H	10.6	10.9	11.2	11.5	12.1	9.5	9.8	10.0	10.3	11.0
X=12H Y=4H	10.3	10.8	10.9	11.3	11.8	9.3	9.8	9.8	10.3	10.8
6H	10.5	10.9	11.1	11.4	12.0	9.4	9.8	10.0	10.3	10.9
8H	10.6	10.9	11.1	11.4	12.0	9.5	9.8	10.0	10.3	10.9

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 = 0.75								
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	0.79	0.86	0.91	0.95	1.00	1.03	1.05	1.07	1.09
	0.30		0.74	0.81	0.87	0.90	0.96	0.99	1.02	1.05	1.07
	0.20		0.70	0.78	0.83	0.87	0.92	0.96	0.99	1.03	1.05
0.50	0.50	0.20	0.78	0.84	0.89	0.92	0.96	0.99	1.01	1.03	1.05
	0.30		0.73	0.80	0.85	0.88	0.93	0.96	0.98	1.01	1.03
	0.20		0.70	0.77	0.82	0.85	0.90	0.94	0.96	0.99	1.01
0.30	0.50	0.20	0.76	0.83	0.87	0.90	0.93	0.96	0.97	0.99	1.01
	0.30		0.72	0.79	0.83	0.87	0.91	0.94	0.95	0.98	0.99
	0.20		0.69	0.76	0.81	0.84	0.89	0.92	0.94	0.96	0.98
0.00	0.00	0.00	0.67	0.74	0.78	0.81	0.85	0.88	0.89	0.92	0.93
Rating: 32W 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	0.66	0.53	0.45	0.39	0.30	0.25	0.21	0.16	0.13
	0.30		0.55	0.46	0.39	0.34	0.28	0.23	0.20	0.16	0.13
	0.20		0.47	0.40	0.35	0.31	0.25	0.21	0.18	0.15	0.12
0.50	0.50	0.20	0.63	0.50	0.42	0.36	0.28	0.27	0.20	0.15	0.12
	0.30		0.53	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.12
	0.20		0.46	0.39	0.33	0.29	0.24	0.20	0.17	0.14	0.11
0.30	0.50	0.20	0.60	0.47	0.40	0.34	0.26	0.21	0.18	0.14	0.11
	0.30		0.51	0.42	0.35	0.31	0.24	0.20	0.17	0.13	0.11
	0.20		0.45	0.37	0.32	0.28	0.23	0.19	0.16	0.13	0.10
0.00	0.00	0.00	0.32	0.25	0.21	0.18	0.14	0.11	0.10	0.07	0.06
<p>Rating: 32W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## 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	0.15	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.14	0.16	0.17	0.17	0.19	0.19	0.20	0.20	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rating: 32W 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	1792.2	1.7	1.7	0.14	0.14
1.0-2.0	1787.0	5.1	6.8	0.40	0.54
2.0-3.0	1776.8	8.5	15.3	0.67	1.21
3.0-4.0	1761.7	11.8	27.1	0.93	2.14
4.0-5.0	1741.5	15.0	42.1	1.18	3.32
5.0-6.0	1716.5	18.0	60.2	1.42	4.74
6.0-7.0	1687.1	20.9	81.1	1.65	6.39
7.0-8.0	1653.0	23.7	104.8	1.86	8.25
8.0-9.0	1614.4	26.2	130.9	2.06	10.32
9.0-10.0	1572.0	28.5	159.4	2.24	12.56
10.0-11.0	1525.7	30.5	189.9	2.40	14.96
11.0-12.0	1475.8	32.3	222.1	2.54	17.50
12.0-13.0	1423.3	33.8	255.9	2.66	20.16
13.0-14.0	1368.3	35.0	291.0	2.76	22.92
14.0-15.0	1310.9	36.0	326.9	2.84	25.76
15.0-16.0	1252.4	36.7	363.6	2.89	28.65
16.0-17.0	1193.3	37.2	400.8	2.93	31.58
17.0-18.0	1132.8	37.4	438.2	2.94	34.52
18.0-19.0	1072.3	37.3	475.5	2.94	37.46
19.0-20.0	1012.6	37.1	512.5	2.92	40.38
20.0-21.0	953.5	36.6	549.2	2.89	43.27
21.0-22.0	895.2	36.0	585.1	2.83	46.10
22.0-23.0	838.5	35.2	620.3	2.77	48.87
23.0-24.0	783.6	34.3	654.6	2.70	51.57
24.0-25.0	730.4	33.2	687.8	2.62	54.19
25.0-26.0	679.9	32.1	719.9	2.53	56.72
26.0-27.0	631.7	30.9	750.8	2.44	59.15
27.0-28.0	585.3	29.6	780.5	2.33	61.49
28.0-29.0	541.4	28.3	808.8	2.23	63.72
29.0-30.0	500.5	27.0	835.8	2.13	65.85
30.0-31.0	461.9	25.7	861.5	2.03	67.88
31.0-32.0	425.4	24.4	885.9	1.92	69.80
32.0-33.0	391.7	23.1	909.0	1.82	71.62
33.0-34.0	360.2	21.8	930.8	1.72	73.33
34.0-35.0	330.7	20.5	951.3	1.62	74.95
35.0-36.0	303.4	19.3	970.6	1.52	76.47

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	278.1	18.1	988.8	1.43	77.90
37.0-38.0	254.8	17.0	1005.8	1.34	79.24
38.0-39.0	233.5	15.9	1021.7	1.26	80.50
39.0-40.0	213.9	14.9	1036.6	1.18	81.67
40.0-41.0	196.0	14.0	1050.6	1.10	82.77
41.0-42.0	179.9	13.1	1063.7	1.03	83.80
42.0-43.0	165.4	12.3	1075.9	0.97	84.77
43.0-44.0	152.1	11.5	1087.4	0.90	85.67
44.0-45.0	140.1	10.8	1098.2	0.85	86.52
45.0-46.0	129.4	10.1	1108.3	0.80	87.32
46.0-47.0	119.5	9.5	1117.8	0.75	88.07
47.0-48.0	110.5	8.9	1126.7	0.70	88.77
48.0-49.0	102.2	8.4	1135.1	0.66	89.43
49.0-50.0	94.6	7.9	1143.0	0.62	90.05
50.0-51.0	87.5	7.4	1150.4	0.58	90.64
51.0-52.0	81.1	7.0	1157.4	0.55	91.19
52.0-53.0	75.2	6.5	1163.9	0.52	91.70
53.0-54.0	69.6	6.1	1170.0	0.48	92.19
54.0-55.0	64.5	5.8	1175.8	0.45	92.64
55.0-56.0	59.7	5.4	1181.2	0.43	93.06
56.0-57.0	55.3	5.1	1186.3	0.40	93.46
57.0-58.0	51.1	4.7	1191.0	0.37	93.83
58.0-59.0	47.2	4.4	1195.4	0.35	94.18
59.0-60.0	43.7	4.1	1199.5	0.33	94.51
60.0-61.0	40.5	3.9	1203.4	0.30	94.81
61.0-62.0	37.5	3.6	1207.0	0.28	95.10
62.0-63.0	34.8	3.4	1210.4	0.27	95.36
63.0-64.0	32.3	3.2	1213.6	0.25	95.61
64.0-65.0	30.1	3.0	1216.5	0.23	95.85
65.0-66.0	28.0	2.8	1219.3	0.22	96.07
66.0-67.0	26.0	2.6	1221.9	0.21	96.27
67.0-68.0	24.0	2.4	1224.4	0.19	96.47
68.0-69.0	22.2	2.3	1226.6	0.18	96.64
69.0-70.0	20.4	2.1	1228.7	0.17	96.81
70.0-71.0	18.7	1.9	1230.7	0.15	96.96
71.0-72.0	17.0	1.8	1232.4	0.14	97.10

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 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	15.4	1.6	1234.0	0.13	97.23
73.0-74.0	13.9	1.5	1235.5	0.12	97.34
74.0-75.0	12.6	1.3	1236.8	0.10	97.45
75.0-76.0	11.3	1.2	1238.0	0.09	97.54
76.0-77.0	10.1	1.1	1239.1	0.08	97.63
77.0-78.0	9.0	1.0	1240.1	0.08	97.70
78.0-79.0	8.0	0.9	1240.9	0.07	97.77
79.0-80.0	7.0	0.8	1241.7	0.06	97.83
80.0-81.0	6.1	0.7	1242.4	0.05	97.88
81.0-82.0	5.4	0.6	1242.9	0.05	97.93
82.0-83.0	4.6	0.5	1243.4	0.04	97.97
83.0-84.0	4.0	0.4	1243.9	0.03	98.00
84.0-85.0	3.5	0.4	1244.3	0.03	98.03
85.0-86.0	3.0	0.3	1244.6	0.03	98.06
86.0-87.0	2.7	0.3	1244.9	0.02	98.08
87.0-88.0	2.5	0.3	1245.2	0.02	98.10
88.0-89.0	2.4	0.3	1245.4	0.02	98.12
89.0-90.0	2.3	0.3	1245.7	0.02	98.14
90.0-91.0	2.2	0.2	1245.9	0.02	98.16
91.0-92.0	2.2	0.2	1246.2	0.02	98.18
92.0-93.0	2.2	0.2	1246.4	0.02	98.20
93.0-94.0	2.2	0.2	1246.7	0.02	98.22
94.0-95.0	2.2	0.2	1246.9	0.02	98.24
95.0-96.0	2.2	0.2	1247.1	0.02	98.26
96.0-97.0	2.2	0.2	1247.4	0.02	98.28
97.0-98.0	2.1	0.2	1247.6	0.02	98.30
98.0-99.0	2.1	0.2	1247.8	0.02	98.31
99.0-100.0	2.1	0.2	1248.1	0.02	98.33
100.0-101.0	2.1	0.2	1248.3	0.02	98.35
101.0-102.0	2.1	0.2	1248.5	0.02	98.37
102.0-103.0	2.1	0.2	1248.7	0.02	98.38
103.0-104.0	2.1	0.2	1248.9	0.02	98.40
104.0-105.0	2.1	0.2	1249.2	0.02	98.42
105.0-106.0	2.1	0.2	1249.4	0.02	98.44
106.0-107.0	2.1	0.2	1249.6	0.02	98.45
107.0-108.0	2.1	0.2	1249.8	0.02	98.47

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	2.1	0.2	1250.0	0.02	98.49
109.0-110.0	2.1	0.2	1250.3	0.02	98.50
110.0-111.0	2.2	0.2	1250.5	0.02	98.52
111.0-112.0	2.2	0.2	1250.7	0.02	98.54
112.0-113.0	2.2	0.2	1250.9	0.02	98.56
113.0-114.0	2.3	0.2	1251.2	0.02	98.58
114.0-115.0	2.4	0.2	1251.4	0.02	98.60
115.0-116.0	2.4	0.2	1251.6	0.02	98.61
116.0-117.0	2.5	0.2	1251.9	0.02	98.63
117.0-118.0	2.5	0.2	1252.1	0.02	98.65
118.0-119.0	2.6	0.3	1252.4	0.02	98.67
119.0-120.0	2.7	0.3	1252.6	0.02	98.69
120.0-121.0	2.7	0.3	1252.9	0.02	98.71
121.0-122.0	2.8	0.3	1253.2	0.02	98.73
122.0-123.0	2.9	0.3	1253.4	0.02	98.75
123.0-124.0	3.0	0.3	1253.7	0.02	98.78
124.0-125.0	3.1	0.3	1254.0	0.02	98.80
125.0-126.0	3.2	0.3	1254.3	0.02	98.82
126.0-127.0	3.3	0.3	1254.6	0.02	98.84
127.0-128.0	3.4	0.3	1254.8	0.02	98.87
128.0-129.0	3.5	0.3	1255.1	0.02	98.89
129.0-130.0	3.6	0.3	1255.5	0.02	98.91
130.0-131.0	3.7	0.3	1255.8	0.02	98.94
131.0-132.0	3.9	0.3	1256.1	0.03	98.96
132.0-133.0	4.0	0.3	1256.4	0.03	98.99
133.0-134.0	4.1	0.3	1256.7	0.03	99.02
134.0-135.0	4.3	0.3	1257.1	0.03	99.04
135.0-136.0	4.4	0.3	1257.4	0.03	99.07
136.0-137.0	4.6	0.3	1257.8	0.03	99.10
137.0-138.0	4.7	0.4	1258.1	0.03	99.12
138.0-139.0	4.9	0.4	1258.5	0.03	99.15
139.0-140.0	5.0	0.4	1258.8	0.03	99.18
140.0-141.0	5.2	0.4	1259.2	0.03	99.21
141.0-142.0	5.4	0.4	1259.6	0.03	99.24
142.0-143.0	5.5	0.4	1259.9	0.03	99.27
143.0-144.0	5.7	0.4	1260.3	0.03	99.30

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	5.8	0.4	1260.7	0.03	99.32
145.0-146.0	6.0	0.4	1261.0	0.03	99.35
146.0-147.0	6.2	0.4	1261.4	0.03	99.38
147.0-148.0	6.3	0.4	1261.8	0.03	99.41
148.0-149.0	6.5	0.4	1262.2	0.03	99.44
149.0-150.0	6.7	0.4	1262.5	0.03	99.47
150.0-151.0	6.8	0.4	1262.9	0.03	99.50
151.0-152.0	7.0	0.4	1263.3	0.03	99.53
152.0-153.0	7.1	0.4	1263.6	0.03	99.56
153.0-154.0	7.2	0.4	1264.0	0.03	99.59
154.0-155.0	7.4	0.3	1264.3	0.03	99.61
155.0-156.0	7.5	0.3	1264.7	0.03	99.64
156.0-157.0	7.7	0.3	1265.0	0.03	99.67
157.0-158.0	7.8	0.3	1265.3	0.03	99.69
158.0-159.0	7.9	0.3	1265.6	0.03	99.72
159.0-160.0	8.0	0.3	1266.0	0.02	99.74
160.0-161.0	8.2	0.3	1266.3	0.02	99.76
161.0-162.0	8.2	0.3	1266.5	0.02	99.79
162.0-163.0	8.3	0.3	1266.8	0.02	99.81
163.0-164.0	8.4	0.3	1267.1	0.02	99.83
164.0-165.0	8.5	0.3	1267.3	0.02	99.85
165.0-166.0	8.6	0.2	1267.6	0.02	99.87
166.0-167.0	8.7	0.2	1267.8	0.02	99.89
167.0-168.0	8.8	0.2	1268.0	0.02	99.90
168.0-169.0	8.8	0.2	1268.2	0.02	99.92
169.0-170.0	8.9	0.2	1268.4	0.01	99.93
170.0-171.0	9.0	0.2	1268.5	0.01	99.94
171.0-172.0	9.1	0.1	1268.7	0.01	99.96
172.0-173.0	9.1	0.1	1268.8	0.01	99.97
173.0-174.0	9.2	0.1	1268.9	0.01	99.97
174.0-175.0	9.2	0.1	1269.0	0.01	99.98
175.0-176.0	9.2	0.1	1269.1	0.01	99.99
176.0-177.0	9.3	0.1	1269.2	0.00	99.99
177.0-178.0	9.3	0.0	1269.2	0.00	100.00
178.0-179.0	9.4	0.0	1269.2	0.00	100.00
179.0-180.0	9.4	0.0	1269.2	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: