GENLED Brands
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Report No.: **Test Time: 2023/2/21 12:20**

Luminaire Property

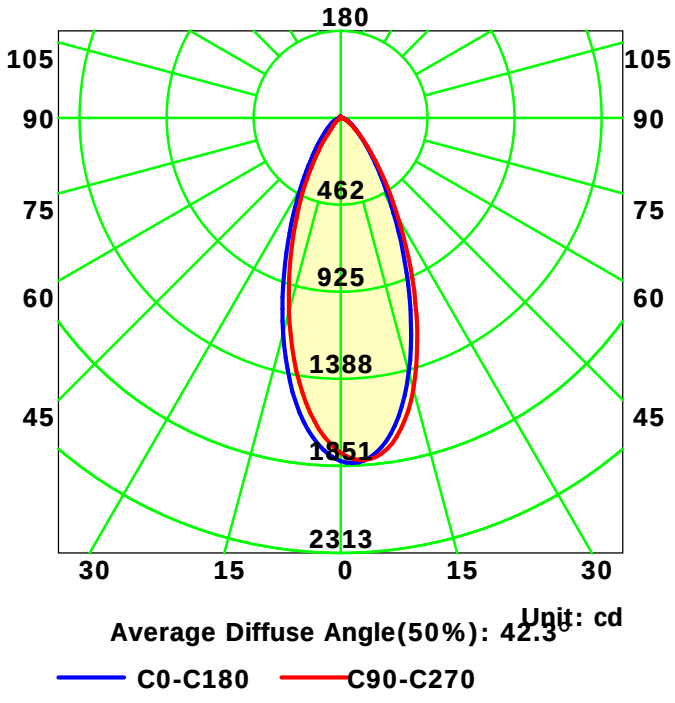
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: YML40°+3M
Lamp Catalog: RGBW
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.3 V
Current: 0.159 A
Power: 32.46 W
Power Factor: 0.931

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 1269.2 lm
Measurement Flux: 1269.2 lm
Efficiency: 100%
Downward Ratio: 98%
Upward Ratio: 2%
Horizontal Diffuse Angle(10%,50%): H84.8,H42.2
Vertical Diffuse Angle(10%,50%): V80,V42.4
Luminaire Efficacy Rating (LER): 39
Central Intensity: 1825.24 cd
Max. Intensity: 1836.12 cd
Pos of Max. Intensity: H0 V2

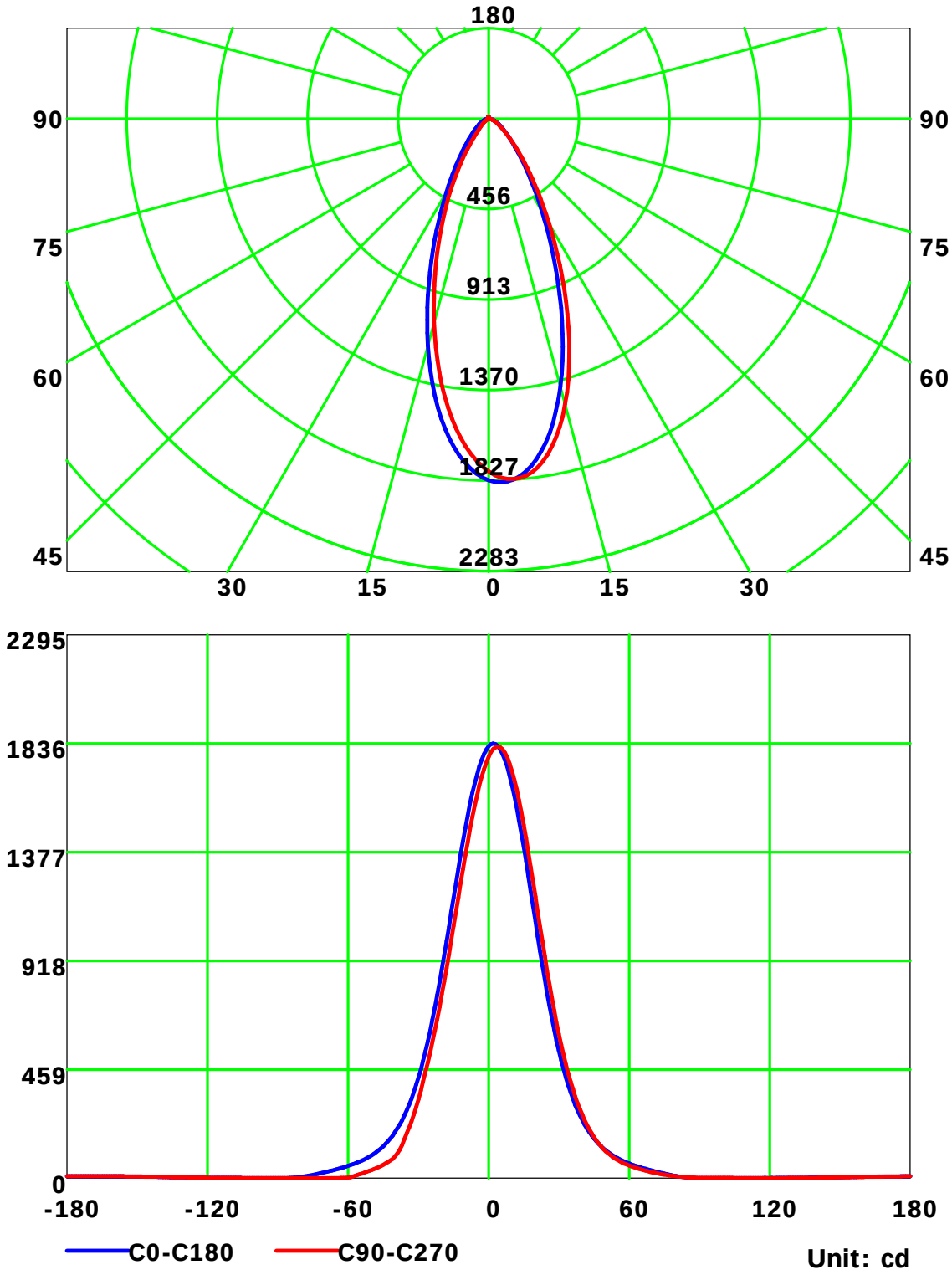
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Jacky
Inspector:

Luminous Intensity Distribution Curve



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Gamma Plane (°):0.0-180.0:1.0
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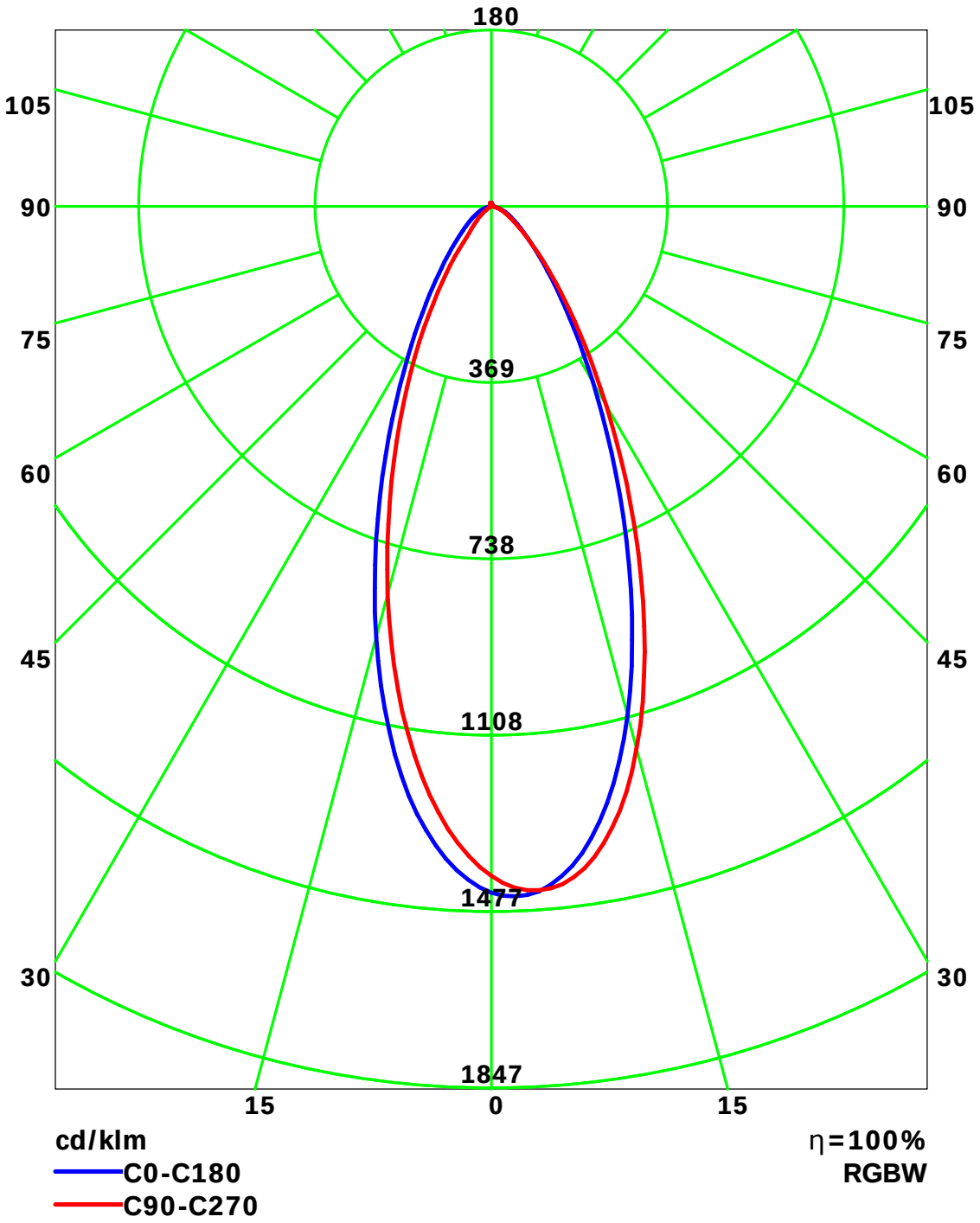
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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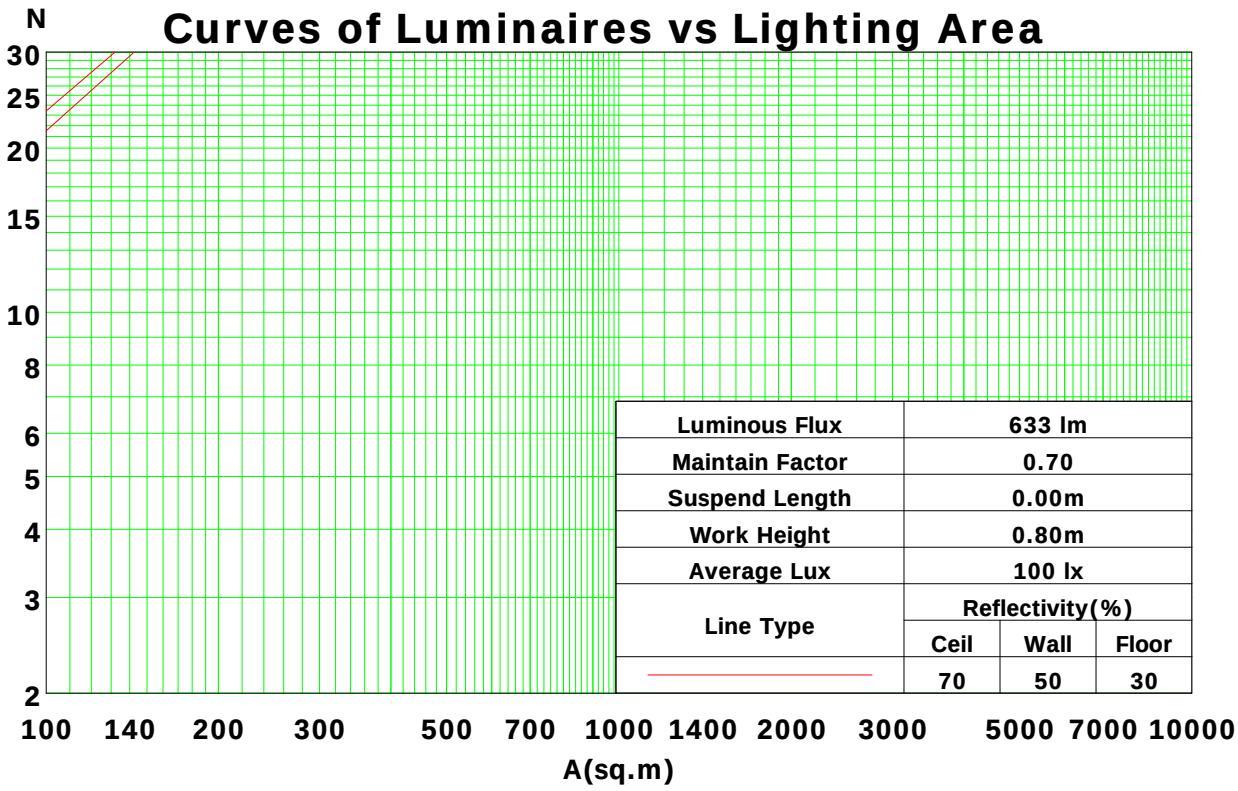
Inspector:

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

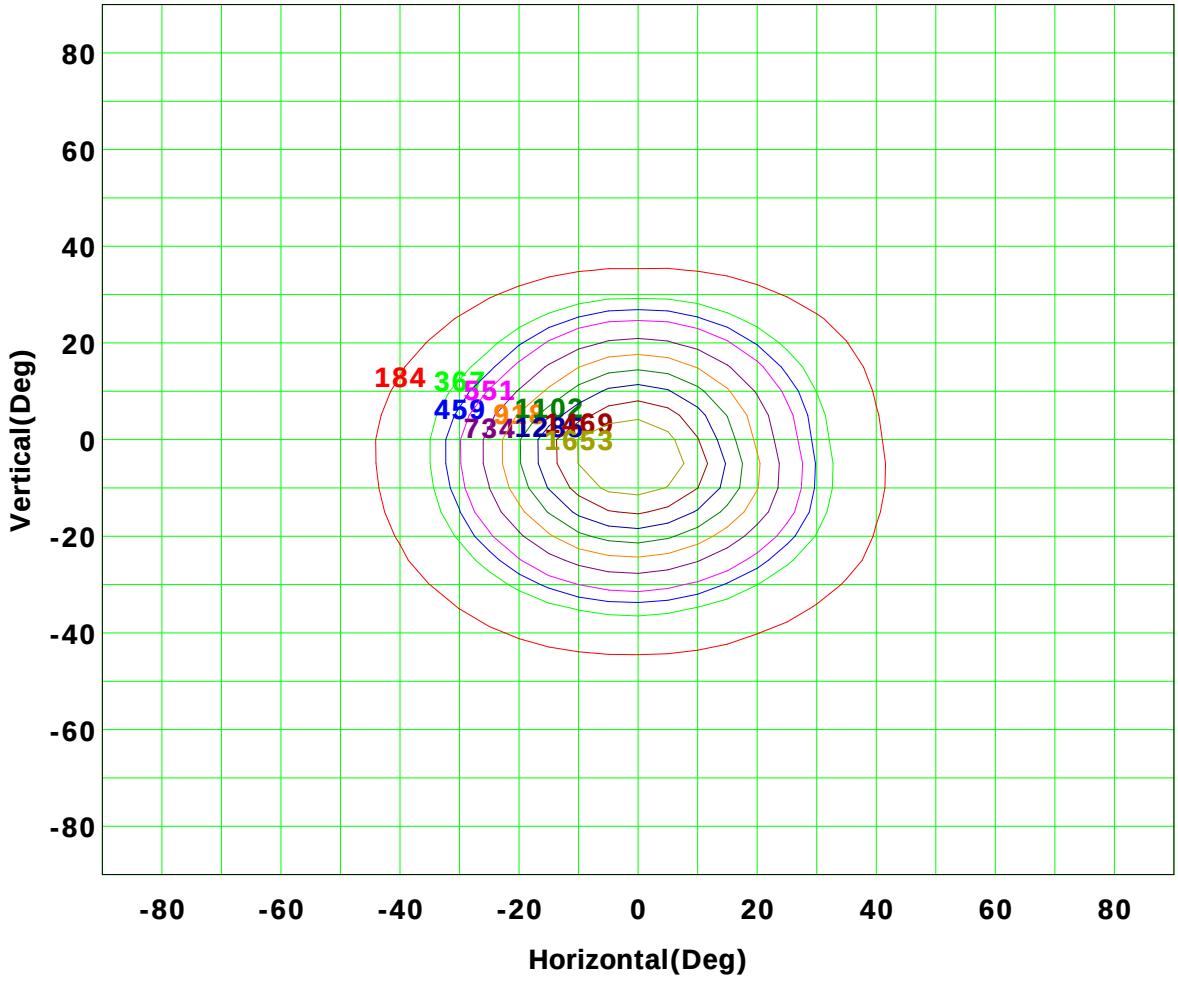
Curves of Luminaires vs Lighting Area



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)



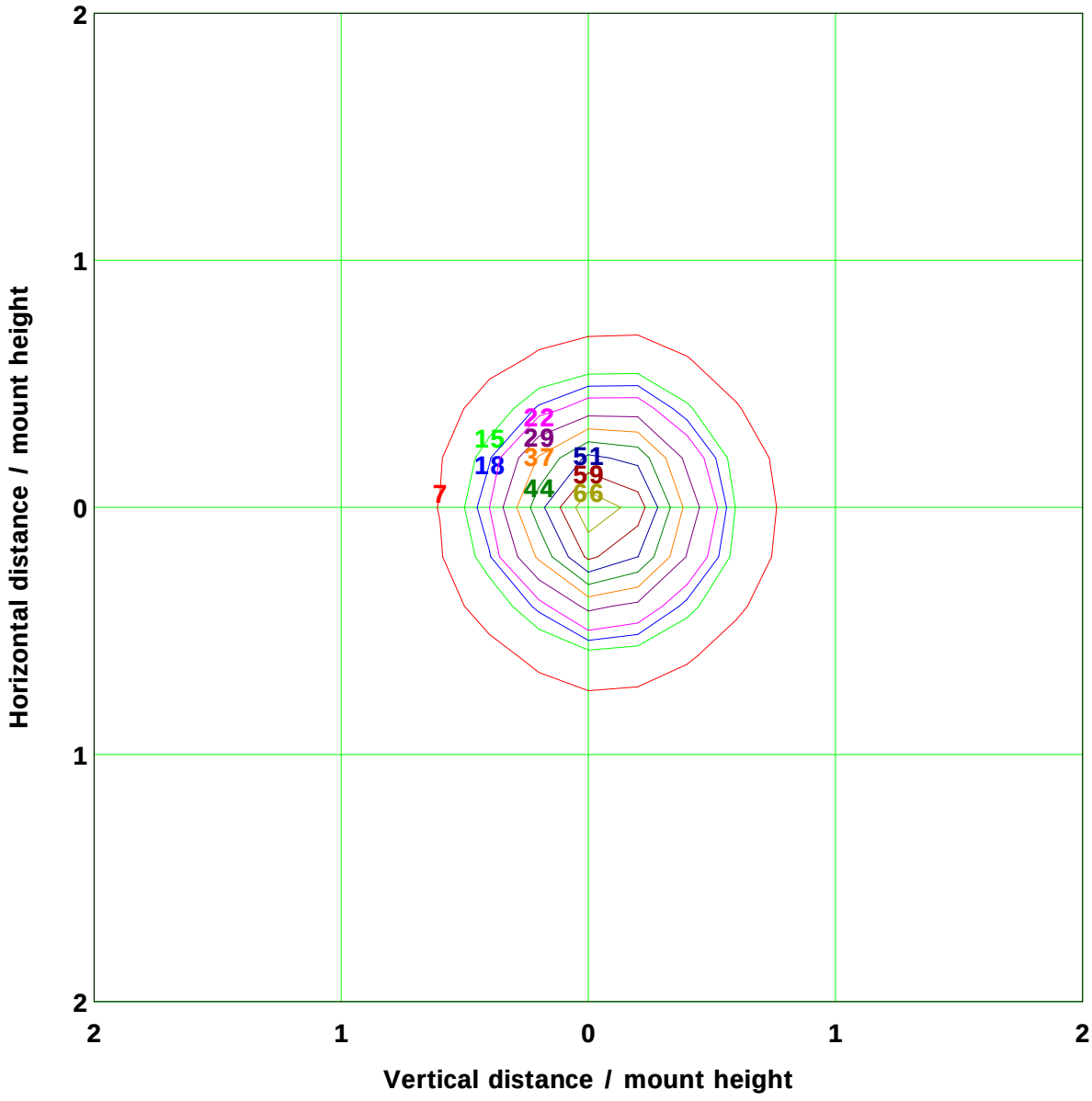
Imax (100%): 1836 cd

(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

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Test Type: TYPE C
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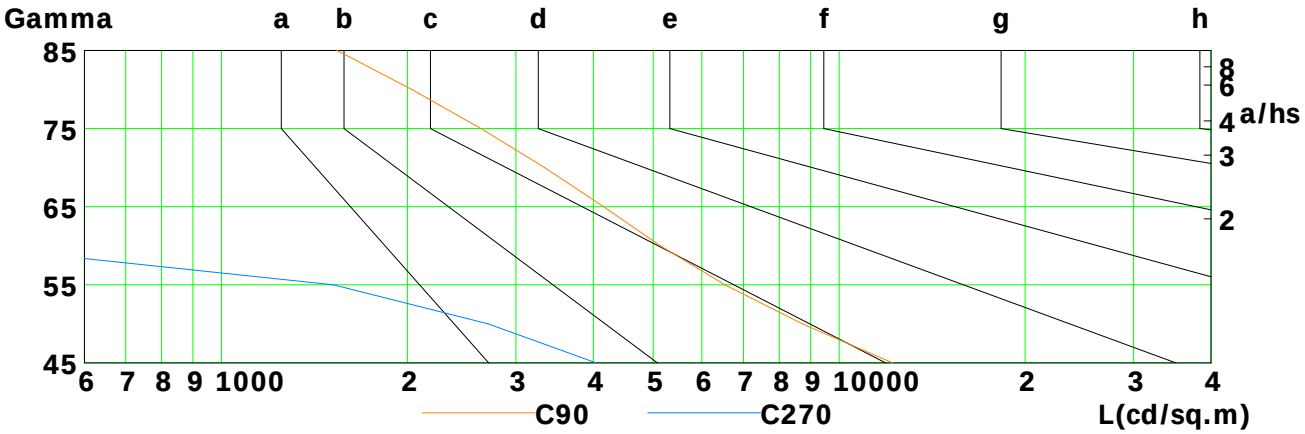
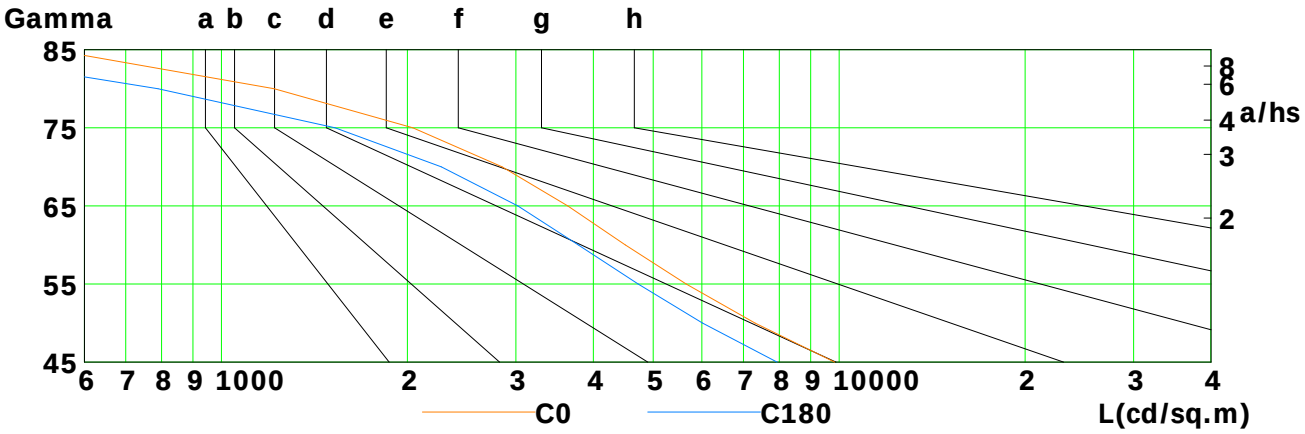
Operator: Jacky

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	9834	7311	5658	4511	3639	2850	2043	1217	532
C90	12217	8719	6536	5137	4159	3339	2633	2034	1539
C180	7938	6011	4730	3782	3021	2272	1529	790	324
C270	4048	2704	1518	385	202	226	272	365	559

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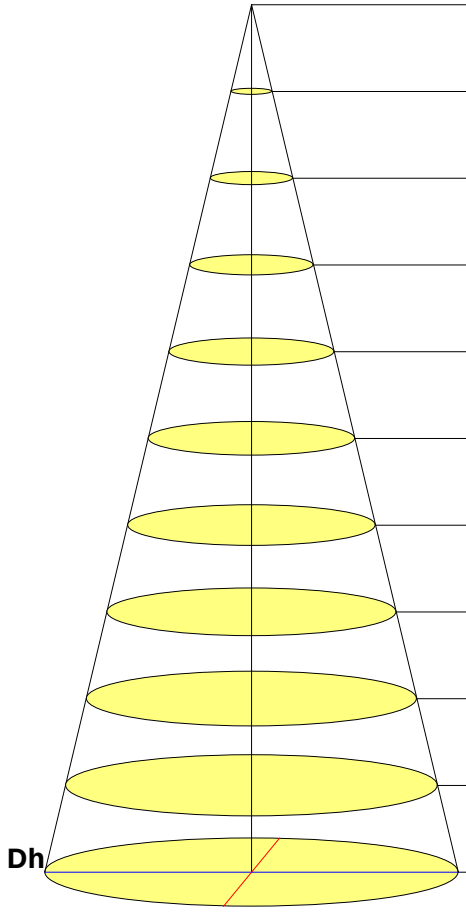
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

Illuminance at a Distance



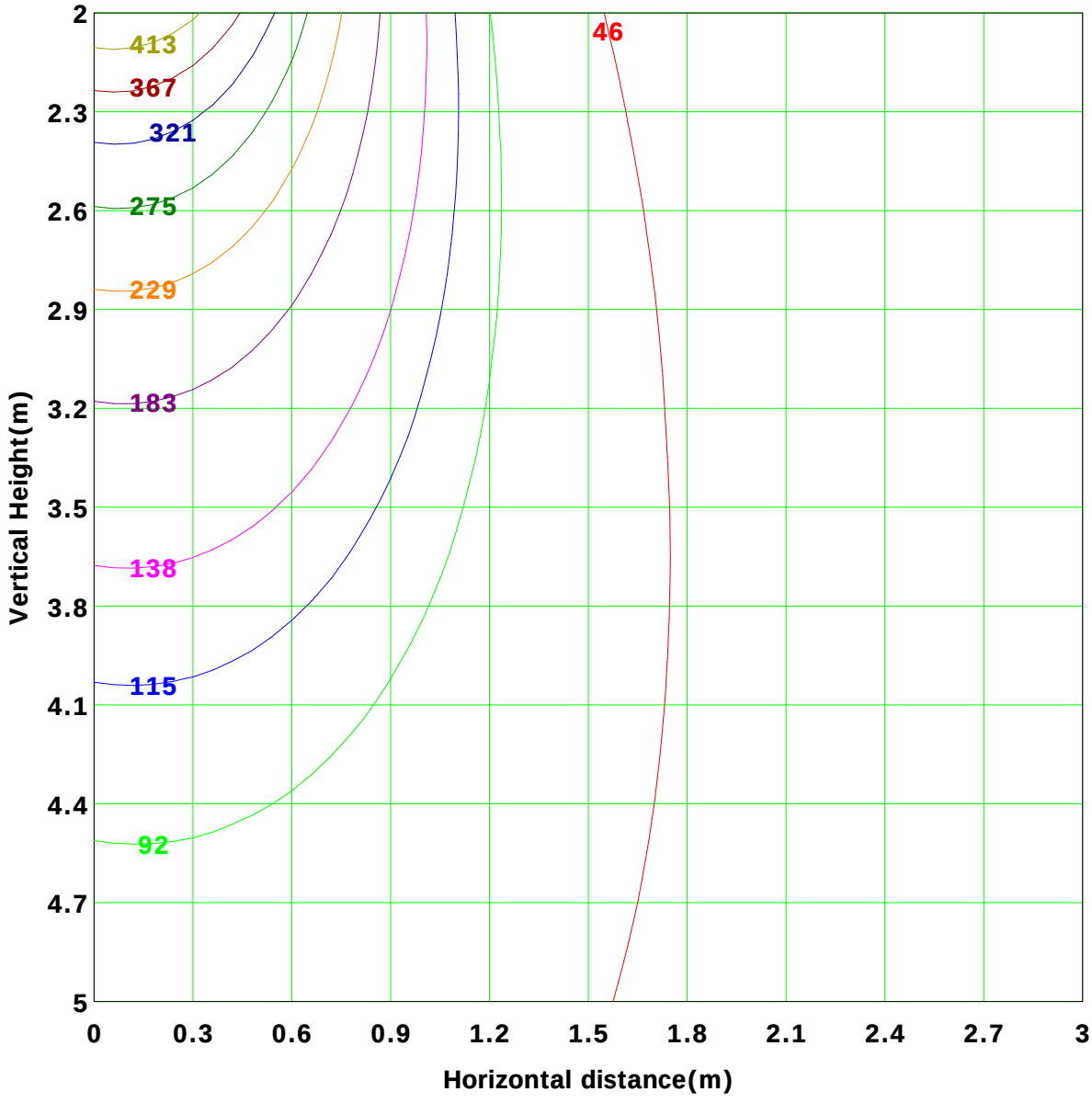
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1825.24	0.77/0.78	0.5	806.26
2.0	456.31	1.54/1.55	1.9	201.57
3.0	202.80	2.32/2.33	4.3	89.58
4.0	114.08	3.09/3.10	7.7	50.39
5.0	73.01	3.86/3.88	12.1	32.25
6.0	50.70	4.63/4.65	17.4	22.40
7.0	37.25	5.40/5.43	23.7	16.45
8.0	28.52	6.17/6.21	30.9	12.60
9.0	22.53	6.95/6.98	39.1	9.95
10.0	18.25	7.72/7.76	48.3	8.06

Beam Angle(B): H42.2 V42.4 Field Angle(F): H84.8 V80.0

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:

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
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Jacky
Inspector:

Area Flux Table

Unit: lm

Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	Flux(T)	Flux(E)
-90	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		
-80	0.0	1.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0		
-70	0.0	4.6	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0		
-60	0.0	10.9	0.1	0.2	0.3	0.3	0.5	0.7	1.0	1.1	1.3	1.3	1.2	1.1	0.8	0.6	0.4	0.2	0.1	0.0	0.0		
-50	0.0	23.1	0.1	0.3	0.5	0.9	1.3	1.9	1.9	2.5	3.0	3.1	2.9	2.5	1.8	1.2	0.6	0.3	0.1	0.0	0.0		
-40	0.0	48.7	0.1	0.3	0.7	1.3	2.2	3.5	3.5	5.5	7.2	7.7	7.1	5.6	3.8	2.1	1.0	0.4	0.1	0.0	0.0		
-30	0.0	99.2	0.1	0.4	0.9	1.7	3.2	6.1	6.1	10.9	16.5	18.5	16.4	12.1	7.1	3.2	1.3	0.5	0.1	0.1	0.1		
-20	0.0	176.5	0.2	0.5	1.1	2.2	4.4	9.4	11.9	18.6	30.6	36.6	31.9	22.0	11.9	4.8	1.6	0.6	0.1	0.1	0.1		
-10	0.0	241.8	0.2	0.5	1.2	2.4	5.3	12.1	15.8	25.3	42.3	51.7	45.8	30.7	15.8	5.9	1.9	0.6	0.1	0.1	0.1		
0	0.0	246.6	0.2	0.5	1.2	2.4	5.4	12.4	15.8	25.9	43.4	53.4	46.7	30.9	15.8	5.9	1.8	0.6	0.1	0.1	0.1		
10	0.0	187.0	0.2	0.5	1.1	2.2	4.6	10.0	11.8	19.9	32.5	40.3	34.7	22.2	11.8	4.7	1.6	0.6	0.1	0.1	0.1		
20	0.0	107.9	0.1	0.4	0.9	1.8	3.4	6.5	7.0	11.7	17.9	21.7	19.1	12.3	7.0	3.1	1.3	0.5	0.1	0.1	0.1		
30	0.0	53.5	0.1	0.3	0.7	1.3	2.2	3.7	3.7	5.8	8.0	9.3	8.5	6.1	3.7	2.0	1.0	0.4	0.1	0.1	0.0		
40	0.0	25.3	0.1	0.2	0.5	0.9	1.4	2.0	1.9	2.7	3.4	3.7	3.5	2.8	1.9	1.1	0.6	0.3	0.1	0.0	0.0		
50	0.0	11.9	0.1	0.2	0.3	0.5	0.8	1.0	1.0	1.2	1.4	1.5	1.5	1.2	0.9	0.6	0.4	0.2	0.1	0.0	0.0		
60	0.0	5.2	0.0	0.1	0.1	0.1	0.2	0.4	0.3	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0		
70	0.0	1.6	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
80	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		
90		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		
Flux(T)	1062		0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		

Horizontal plane

-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

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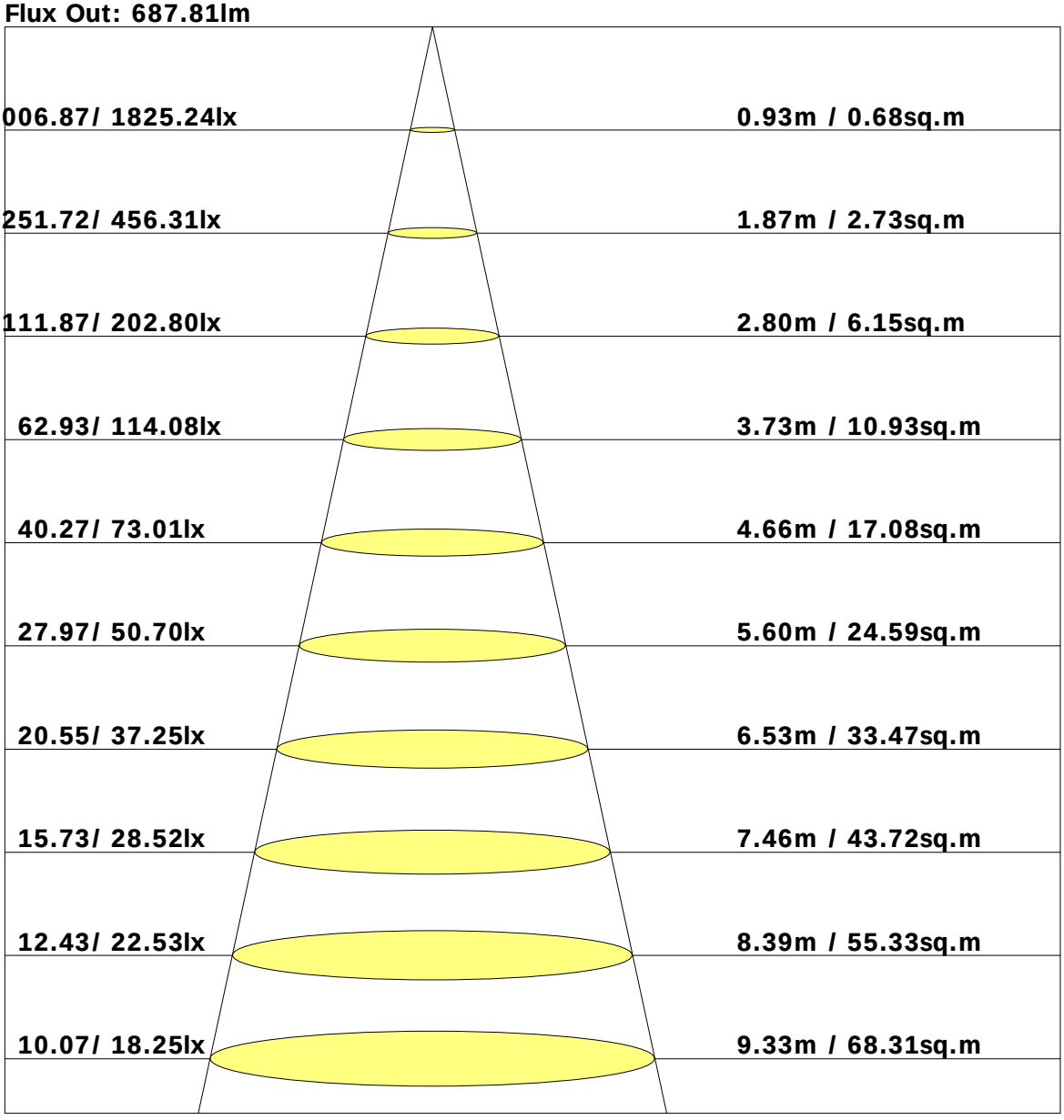
Operator: Jacky

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

The Average Illuminance Effective Figure

Flux Out: 687.81lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / Area

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

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Test Device: GPM-1800B
Distance: 9.028 m
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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	13.4	14.5	13.8	14.8	15.2	13.1	14.2	13.5	14.5	14.9
3H	14.5	15.5	15.0	15.9	16.3	13.9	14.9	14.3	15.2	15.7
4H	14.9	15.8	15.3	16.2	16.6	14.1	15.0	14.6	15.4	15.8
6H	15.1	15.9	15.5	16.3	16.7	14.2	15.0	14.7	15.4	15.9
8H	15.1	15.9	15.6	16.3	16.7	14.2	15.0	14.7	15.4	15.9
12H	15.1	15.8	15.6	16.2	16.7	14.2	14.9	14.7	15.3	15.8
X=4H Y=2H	13.4	14.3	13.9	14.7	15.1	13.5	14.3	13.9	14.7	15.2
3H	14.7	15.4	15.2	15.9	16.3	14.4	15.1	14.9	15.6	16.0
4H	15.1	15.8	15.6	16.2	16.7	14.7	15.3	15.2	15.8	16.3
6H	15.4	15.9	15.9	16.4	16.9	14.8	15.4	15.3	15.9	16.4
8H	15.4	15.9	15.9	16.4	16.9	14.9	15.4	15.4	15.9	16.4
12H	15.4	15.9	15.9	16.4	16.9	14.8	15.3	15.4	15.8	16.3
X=8H Y=4H	15.1	15.6	15.6	16.1	16.6	14.8	15.3	15.3	15.8	16.3
6H	15.3	15.8	15.9	16.3	16.8	15.0	15.4	15.5	15.9	16.5
8H	15.4	15.8	16.0	16.3	16.9	15.0	15.4	15.6	16.0	16.5
12H	15.4	15.8	16.0	16.3	16.9	15.1	15.4	15.6	15.9	16.5
X=12H Y=4H	15.0	15.5	15.5	16.0	16.5	14.8	15.2	15.3	15.7	16.3
6H	15.3	15.7	15.9	16.2	16.8	15.0	15.3	15.5	15.9	16.4
8H	15.4	15.7	15.9	16.2	16.9	15.0	15.4	15.6	15.9	16.5

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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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

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(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

Rating:32W 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: 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(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

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

Gamma [°]	Imean [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 [°]	Imean [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 [°]	Imean [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 [°]	Imean [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 [°]	Imean [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: