GENLED Brands
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Report No.: **Test Time: 2023/2/21 10:45**

Luminaire Property

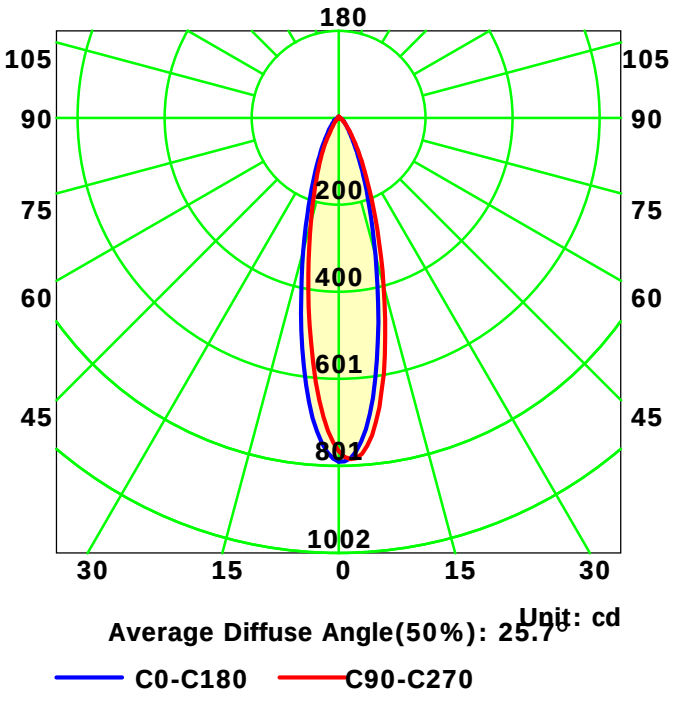
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: 25
Lamp Catalog: R
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.3 V
Current: 0.080 A
Power: 6.90 W
Power Factor: 0.392

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 290.6 lm
Measurement Flux: 290.6 lm
Efficiency: 100%
Downward Ratio: 96%
Upward Ratio: 4%
Horizontal Diffuse Angle(10%,50%): H58.9,H25.7
Vertical Diffuse Angle(10%,50%): V58.6,V25.8
Luminaire Efficacy Rating (LER): 42
Central Intensity: 791.99 cd
Max. Intensity: 795.46 cd
Pos of Max. Intensity: H150 V2

Picture Of Luminaire

Luminous Intensity Distribution Curve



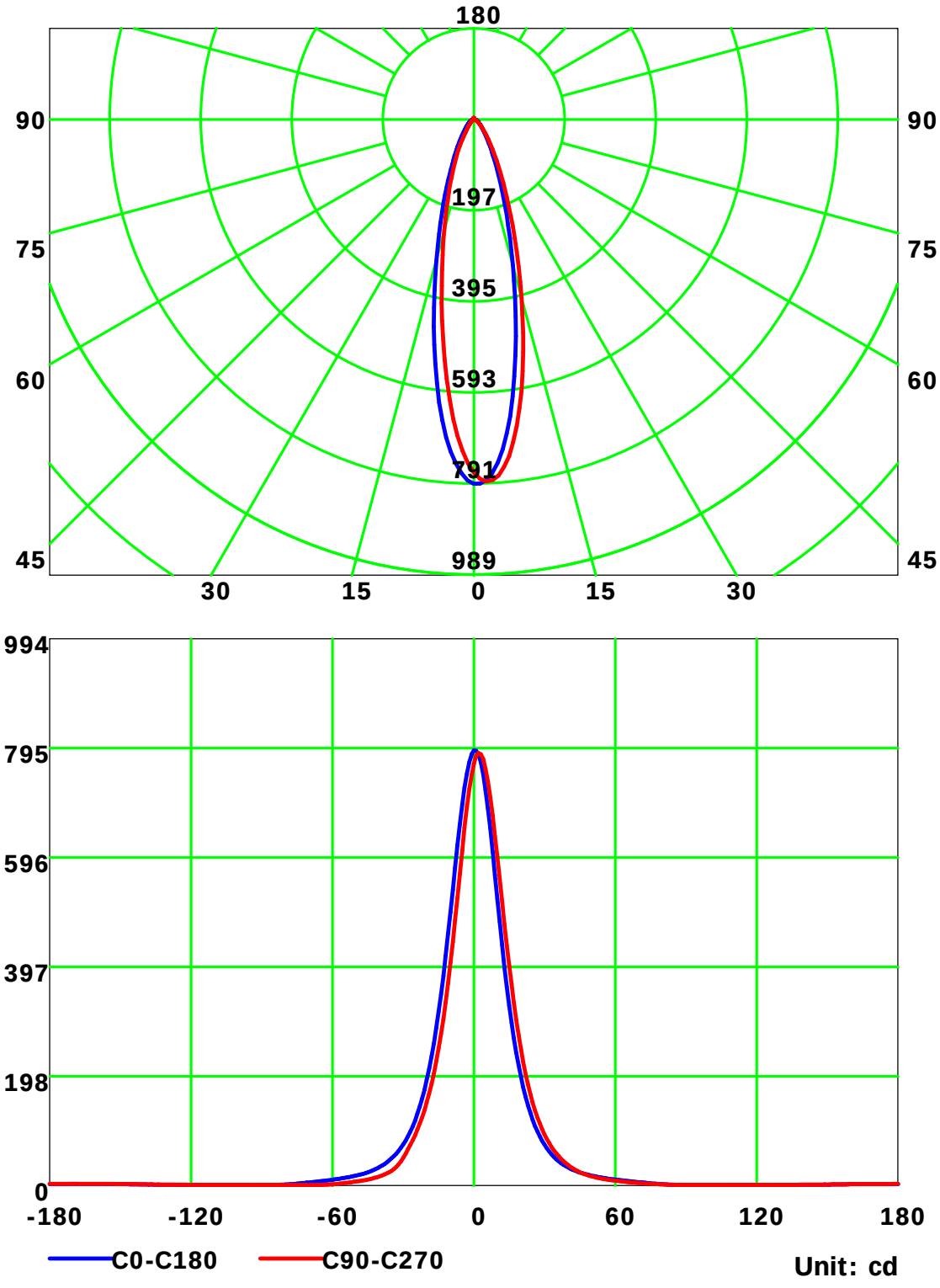
Unit: cd

Average Diffuse Angle(50%): 25.7°

C0-C180 C90-C270

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:

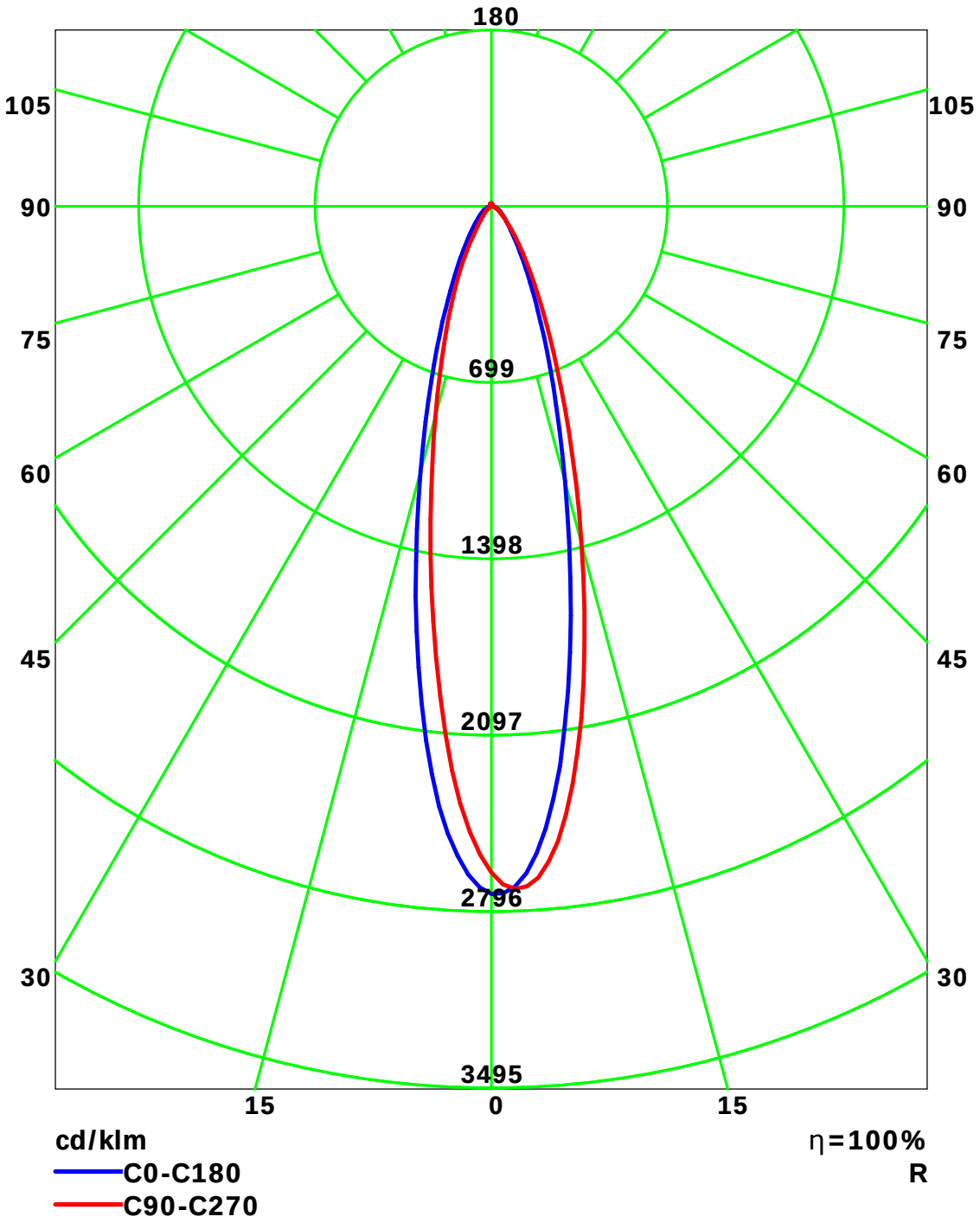
Luminous Intensity Distribution Curve



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

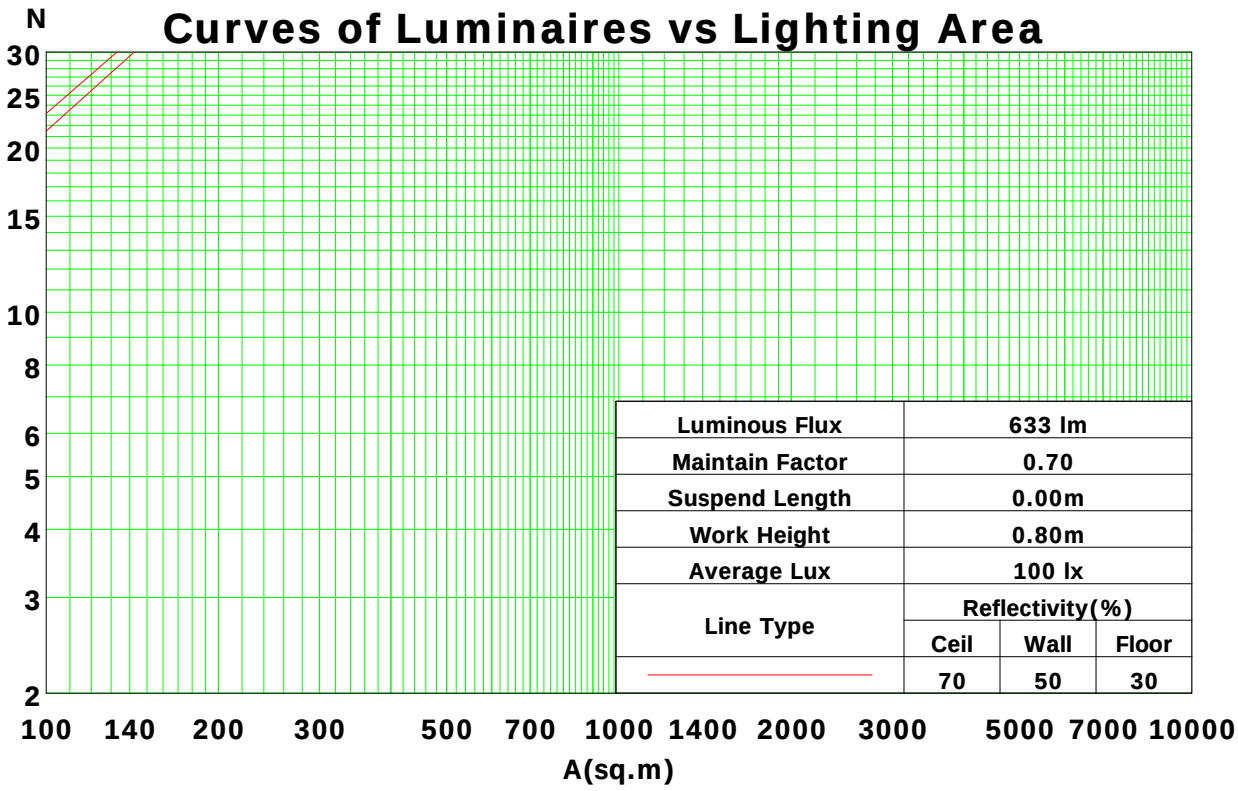
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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

Spacing Criteria (0-180): 0.43
Spacing Criteria (90-270): 0.44
Spacing Criteria (Diagonal): 0.47

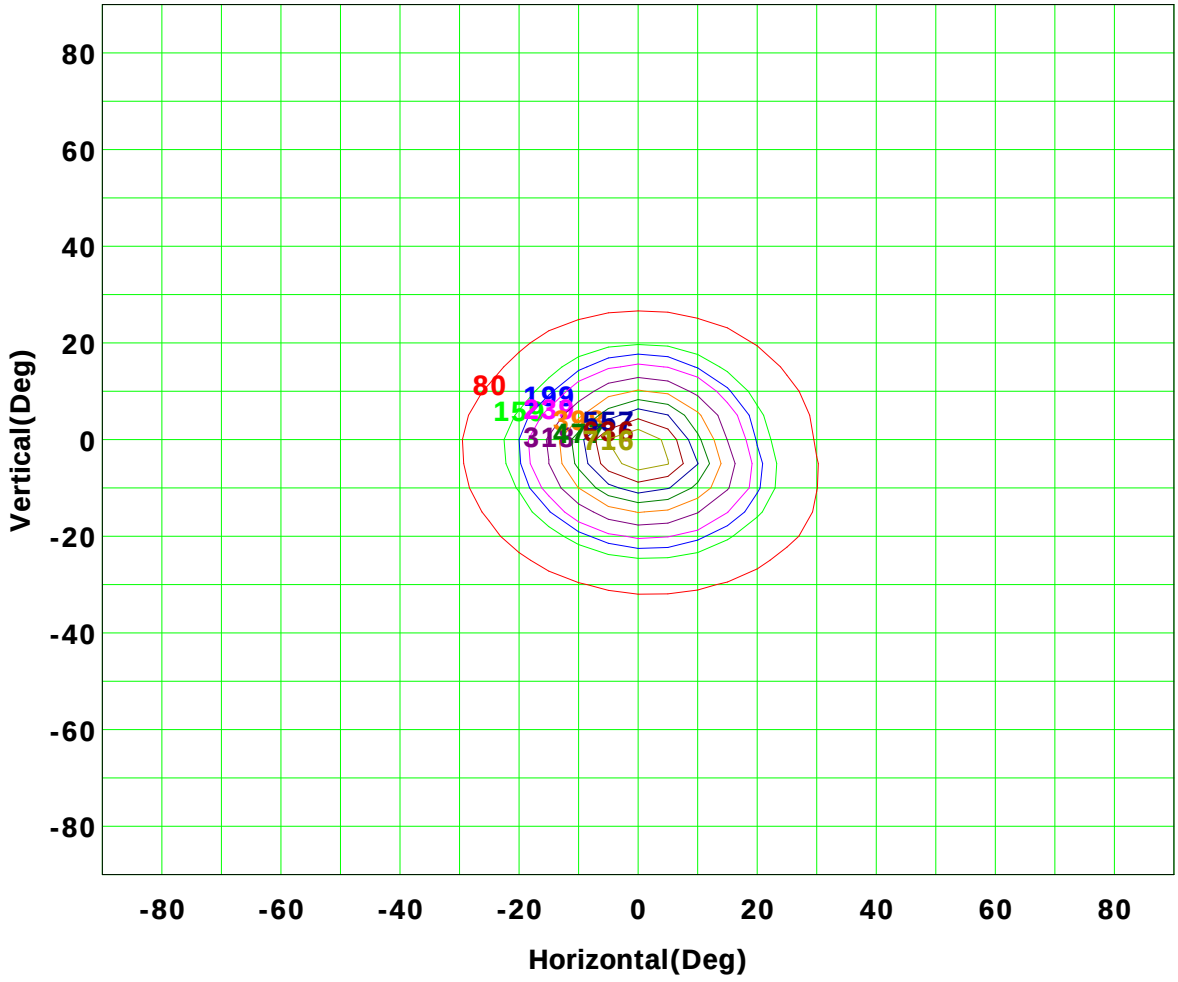
Curves of Luminaires vs Lighting Area



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)



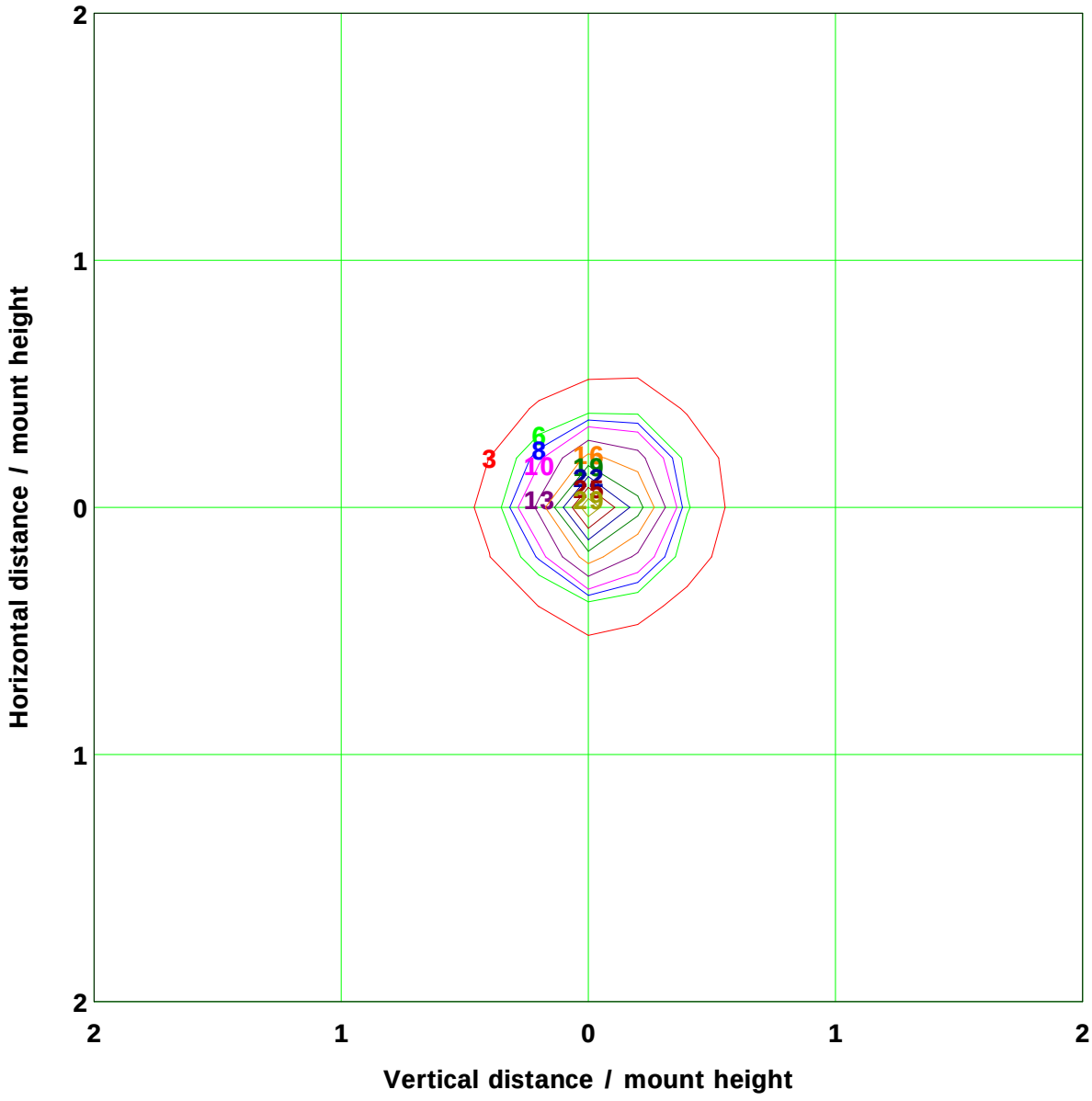
Imax (100%): 795 cd

(10%): 80 cd	(20%): 159 cd
(25%): 199 cd	(30%): 239 cd
(40%): 318 cd	(50%): 398 cd
(60%): 477 cd	(70%): 557 cd
(80%): 636 cd	(90%): 716 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%): 31.8 lx

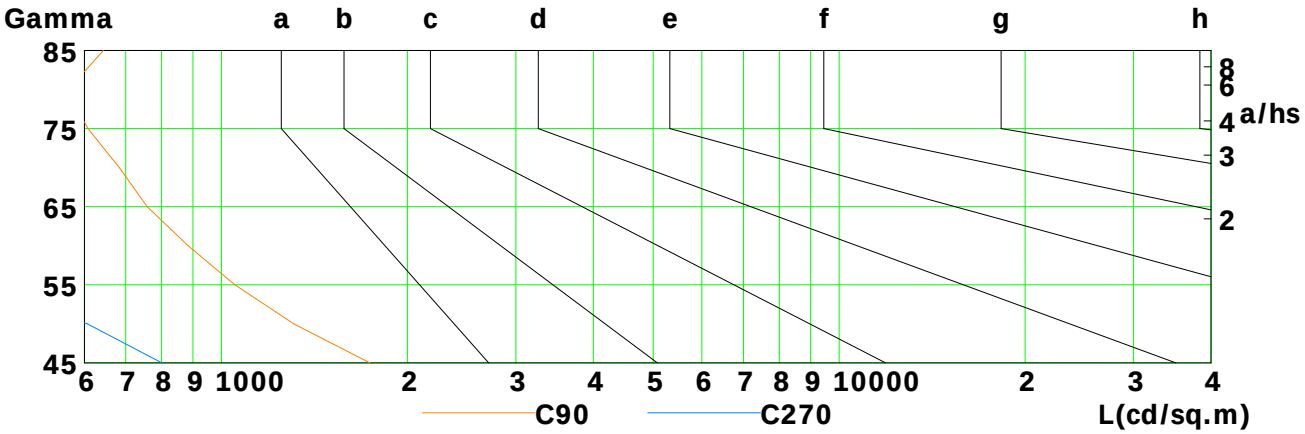
(10%): 3.2 lx	(20%): 6.4 lx
(25%): 7.9 lx	(30%): 9.5 lx
(40%): 12.7 lx	(50%): 15.9 lx
(60%): 19.1 lx	(70%): 22.2 lx
(80%): 25.4 lx	(90%): 28.6 lx

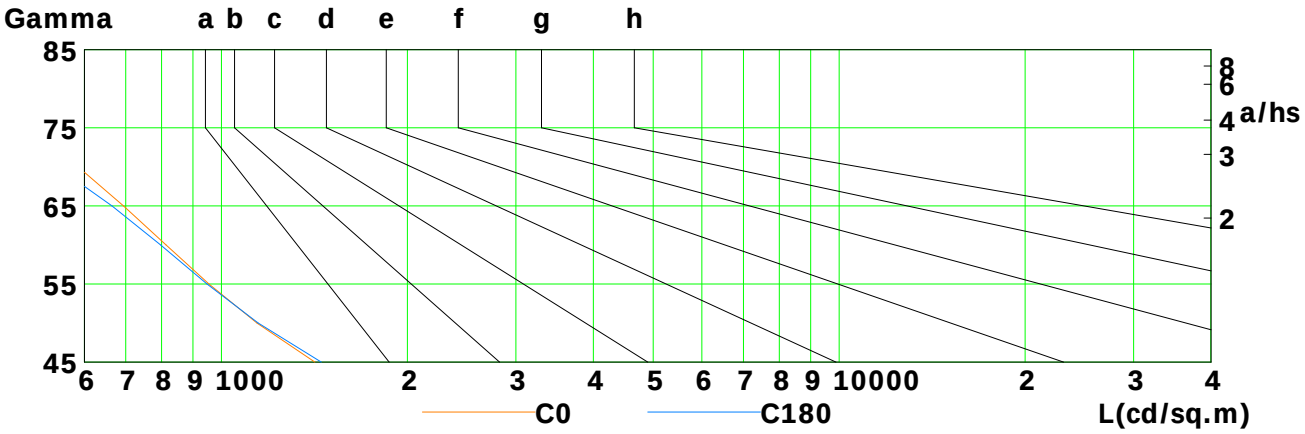
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

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



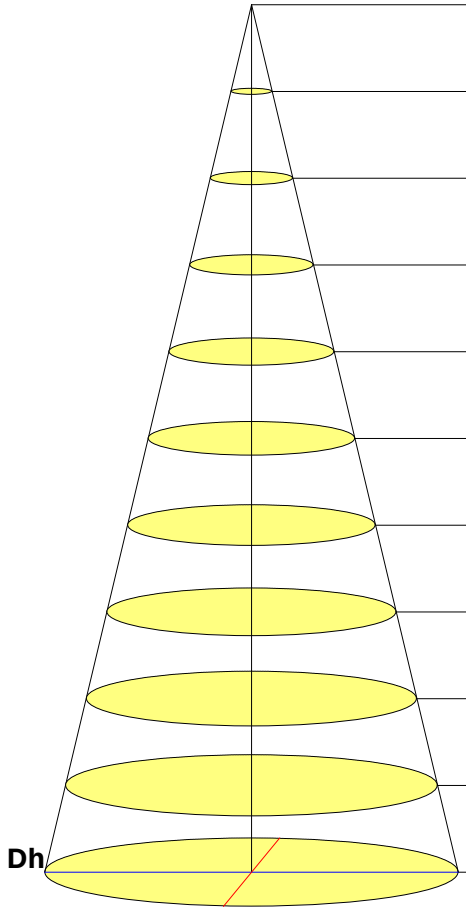


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1417	1143	955	814	695	586	463	353	275
C90	1740	1310	1052	883	758	684	609	564	644
C180	1451	1148	949	797	665	543	409	299	229
C270	801	607	420	258	199	222	272	378	559

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



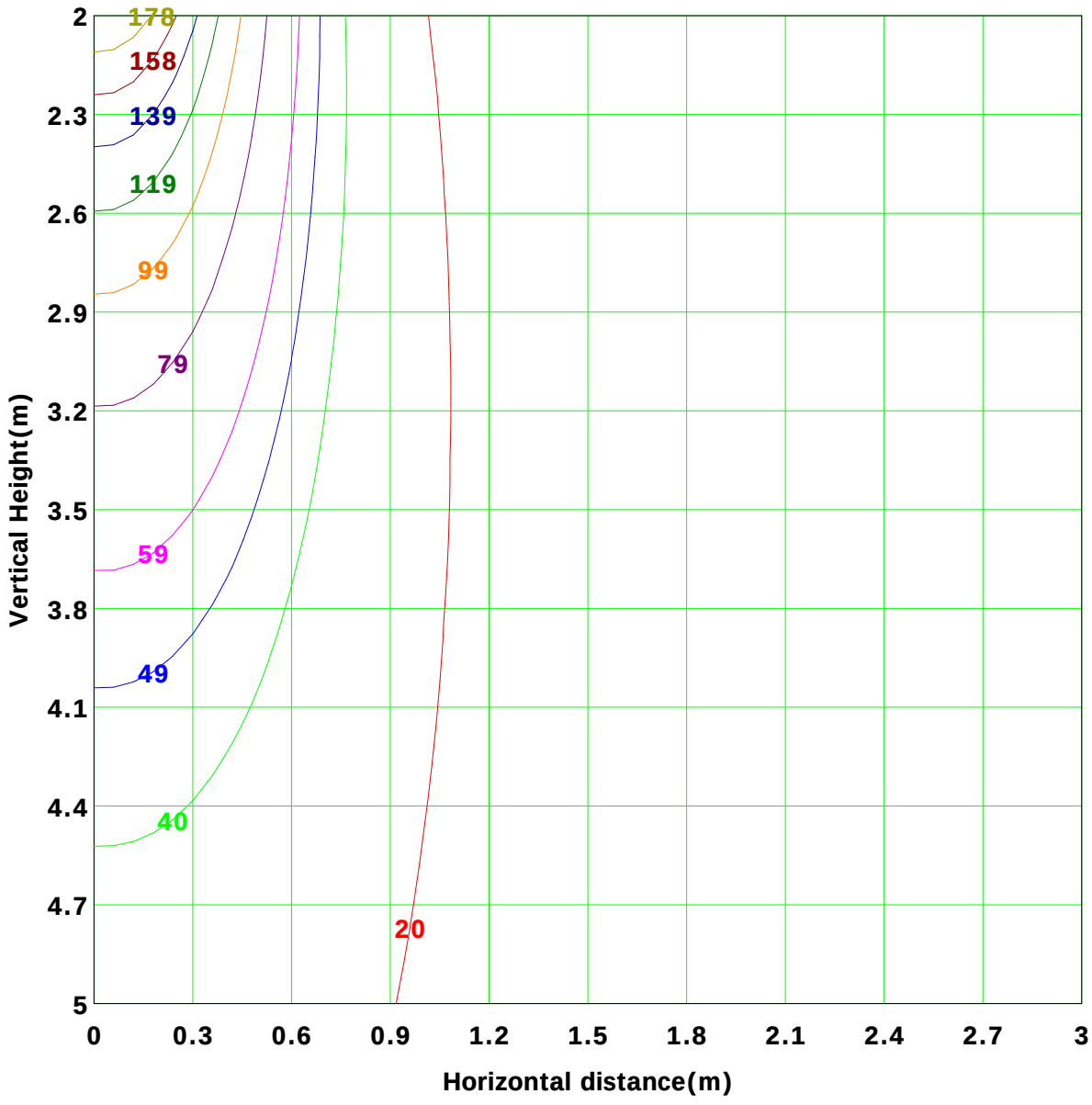
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	791.99	0.46/0.46	0.2	469.76
2.0	198.00	0.91/0.92	0.7	117.44
3.0	88.00	1.37/1.37	1.5	52.20
4.0	49.50	1.82/1.83	2.7	29.36
5.0	31.68	2.28/2.29	4.2	18.79
6.0	22.00	2.73/2.75	6.1	13.05
7.0	16.16	3.19/3.21	8.3	9.59
8.0	12.37	3.65/3.67	10.8	7.34
9.0	9.78	4.10/4.12	13.7	5.80
10.0	7.92	4.56/4.58	16.9	4.70

Beam Angle(B): H25.7 V25.8 Field Angle(F): H58.9 V58.6

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: 198.0 lx

(10%): 19.8 lx
(20%): 39.6 lx
(25%): 49.5 lx
(30%): 59.4 lx
(40%): 79.2 lx
(50%): 99.0 lx
(60%): 118.8 lx
(70%): 138.6 lx
(80%): 158.4 lx
(90%): 178.2 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:

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Area Flux Table

Unit: lm

Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	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	0.6	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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	0.1	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	0.7	0.0
-60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.5	0.0
-50	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	3.0	0.0
-40	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.7	0.5	0.4	0.2	0.1	0.1	0.0	0.0	6.1	0.0
-30	0.0	0.0	0.1	0.2	0.4	0.7	1.2	2.0	2.8	2.7	1.9	1.1	0.6	0.3	0.2	0.1	0.0	0.0	14.1	5.2
-20	0.0	0.0	0.1	0.2	0.5	1.0	2.1	4.4	7.3	7.1	4.1	1.9	0.9	0.4	0.2	0.1	0.0	0.0	30.3	24.5
-10	0.0	0.0	0.1	0.2	0.5	1.2	3.1	8.1	16.2	15.7	7.8	3.0	1.2	0.5	0.2	0.1	0.0	0.0	58.2	53.2
0	0.0	0.0	0.1	0.3	0.6	1.4	3.7	10.4	20.3	19.5	9.4	3.3	1.2	0.5	0.3	0.1	0.0	0.0	71.2	66.4
10	0.0	0.0	0.1	0.3	0.6	1.3	3.2	7.2	11.6	10.9	5.9	2.5	1.0	0.5	0.2	0.1	0.0	0.0	45.4	40.3
20	0.0	0.0	0.1	0.2	0.5	1.0	1.9	3.4	4.6	4.3	2.8	1.5	0.8	0.4	0.2	0.1	0.0	0.0	22.0	15.2
30	0.0	0.0	0.1	0.2	0.4	0.6	1.0	1.5	1.8	1.7	1.3	0.8	0.5	0.3	0.2	0.1	0.0	0.0	10.8	0.7
40	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.6	0.5	0.3	0.2	0.1	0.1	0.0	0.0	5.7	0.0
50	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	3.4	0.0
60	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	2.0	0.0
70	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	0.1	0.0	0.0	0.0	0.0	1.2	0.0
80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
90 Flux(T)	0.1	0.4	1.2	2.5	4.7	8.9	18.6	40.0	67.8	65.1	36.0	16.3	7.8	4.2	2.3	1.2	0.4	0.1	277	
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	11.1	34.2	62.4	59.6	30.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0		206

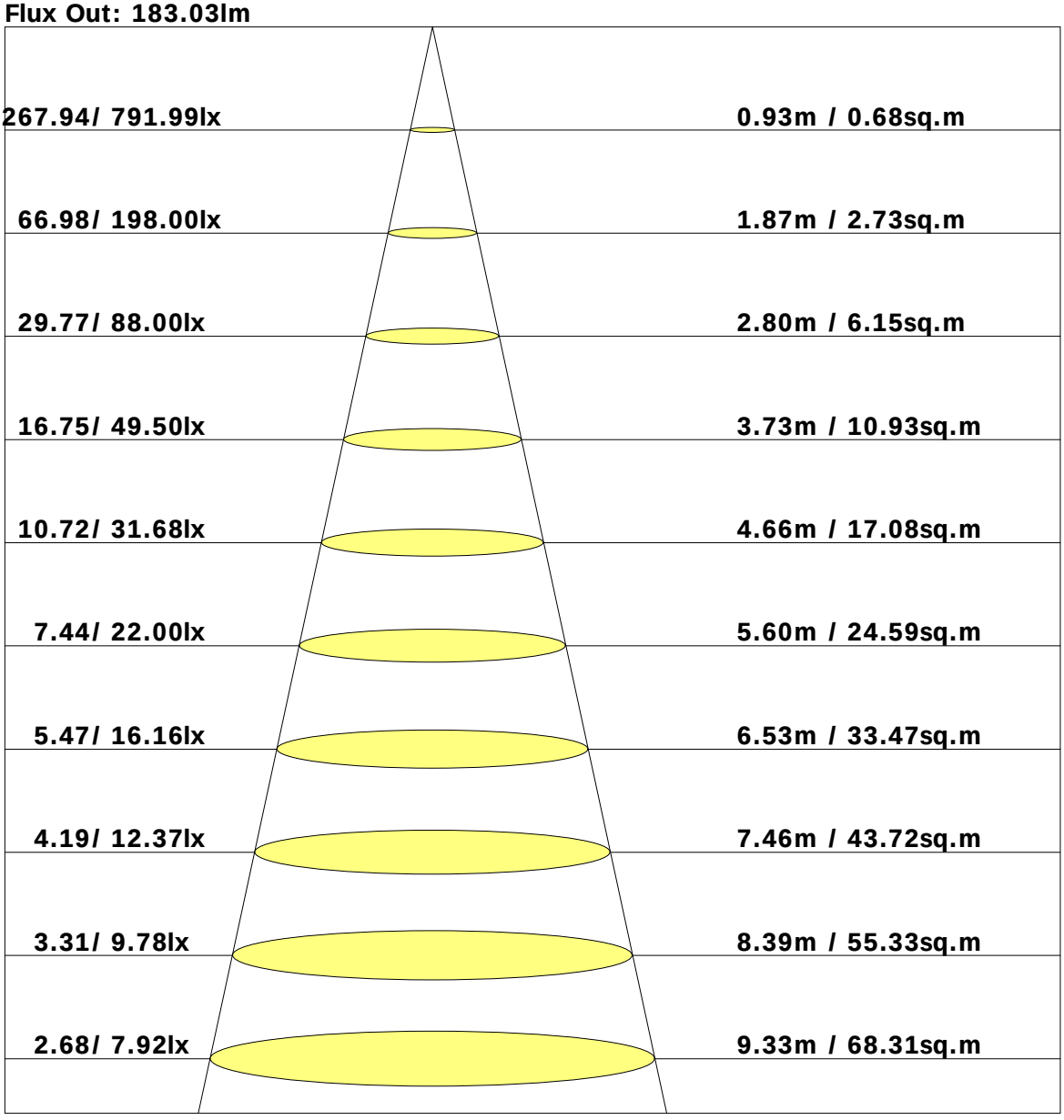
Horizontal plane: -90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

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

Flux Out: 183.03lm



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

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	11.5	12.5	12.0	12.9	13.4	10.9	11.9	11.4	12.3	12.8
3H	13.0	13.9	13.5	14.3	14.8	12.0	12.9	12.4	13.3	13.8
4H	13.6	14.4	14.1	14.9	15.4	12.4	13.2	12.8	13.7	14.1
6H	14.0	14.8	14.5	15.2	15.7	12.6	13.4	13.1	13.9	14.4
8H	14.2	14.9	14.7	15.4	15.9	12.7	13.5	13.3	13.9	14.5
12H	14.3	15.0	14.8	15.5	16.0	12.8	13.5	13.3	14.0	14.5
X=4H Y=2H	11.6	12.4	12.1	12.9	13.4	11.4	12.3	11.9	12.7	13.2
3H	13.2	13.9	13.7	14.4	15.0	12.7	13.4	13.2	13.9	14.4
4H	13.9	14.5	14.4	15.0	15.6	13.1	13.8	13.7	14.3	14.8
6H	14.5	15.0	15.0	15.5	16.1	13.5	14.1	14.1	14.6	15.2
8H	14.7	15.2	15.2	15.7	16.3	13.7	14.2	14.2	14.7	15.3
12H	14.9	15.3	15.5	15.9	16.5	13.8	14.2	14.4	14.8	15.4
X=8H Y=4H	13.9	14.4	14.5	14.9	15.5	13.4	13.9	13.9	14.4	15.0
6H	14.5	15.0	15.1	15.5	16.1	13.9	14.3	14.5	14.9	15.4
8H	14.9	15.2	15.5	15.8	16.4	14.1	14.4	14.7	15.0	15.6
12H	15.2	15.5	15.8	16.1	16.7	14.3	14.6	14.9	15.2	15.9
X=12H Y=4H	13.9	14.3	14.4	14.9	15.4	13.4	13.8	14.0	14.4	15.0
6H	14.5	14.9	15.1	15.4	16.1	13.9	14.3	14.5	14.8	15.5
8H	14.9	15.2	15.5	15.8	16.4	14.2	14.5	14.8	15.1	15.7

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 = 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	0.84	0.90	0.94	0.97	1.01	1.04	1.06	1.08	1.10
	0.30		0.80	0.86	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.76	0.82	0.87	0.90	0.95	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.83	0.88	0.92	0.94	0.98	1.00	1.02	1.04	1.05
	0.30		0.79	0.84	0.88	0.91	0.95	0.97	0.99	1.02	1.03
	0.20		0.76	0.81	0.85	0.88	0.92	0.95	0.97	1.00	1.02
0.30	0.50	0.20	0.81	0.86	0.89	0.91	0.94	0.96	0.98	0.99	1.00
	0.30		0.78	0.83	0.86	0.89	0.92	0.94	0.96	0.98	0.99
	0.20		0.75	0.80	0.84	0.86	0.90	0.92	0.94	0.97	0.98
0.00	0.00	0.00	0.73	0.78	0.81	0.83	0.86	0.88	0.89	0.91	0.92

Rating:7W 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	0.58	0.48	0.41	0.36	0.28	0.24	0.20	0.16	0.13
	0.30		0.49	0.41	0.36	0.31	0.26	0.22	0.19	0.15	0.12
	0.20		0.42	0.36	0.32	0.28	0.23	0.20	0.17	0.14	0.12
0.50	0.50	0.20	0.55	0.45	0.38	0.33	0.26	0.25	0.18	0.14	0.12
	0.30		0.46	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.40	0.34	0.30	0.27	0.22	0.18	0.16	0.13	0.11
0.30	0.50	0.20	0.52	0.41	0.35	0.30	0.24	0.19	0.17	0.13	0.11
	0.30		0.44	0.37	0.31	0.27	0.22	0.18	0.16	0.12	0.10
	0.20		0.39	0.33	0.28	0.25	0.20	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.24	0.20	0.17	0.14	0.11	0.09	0.08	0.06	0.05

Rating:7W 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	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.25
	0.30		0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.21	0.22
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.22	0.22	0.23	0.24	0.24
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.30	0.50	0.20	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.20	0.22	0.22
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Rating:7W 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	775.0	0.7	0.7	0.26	0.26
1.0-2.0	767.8	2.2	2.9	0.76	1.01
2.0-3.0	753.7	3.6	6.6	1.24	2.25
3.0-4.0	733.3	4.9	11.5	1.69	3.94
4.0-5.0	707.2	6.1	17.5	2.09	6.04
5.0-6.0	676.1	7.1	24.7	2.45	8.48
6.0-7.0	641.7	8.0	32.6	2.74	11.22
7.0-8.0	604.4	8.7	41.3	2.98	14.20
8.0-9.0	565.3	9.2	50.4	3.15	17.35
9.0-10.0	525.7	9.5	59.9	3.27	20.63
10.0-11.0	486.3	9.7	69.7	3.34	23.97
11.0-12.0	447.5	9.8	79.4	3.37	27.34
12.0-13.0	410.2	9.7	89.2	3.35	30.69
13.0-14.0	375.1	9.6	98.8	3.30	34.00
14.0-15.0	341.9	9.4	108.2	3.23	37.23
15.0-16.0	310.8	9.1	117.3	3.13	40.36
16.0-17.0	282.5	8.8	126.1	3.03	43.39
17.0-18.0	256.0	8.4	134.5	2.91	46.29
18.0-19.0	231.8	8.1	142.6	2.78	49.07
19.0-20.0	210.1	7.7	150.3	2.65	51.72
20.0-21.0	190.2	7.3	157.6	2.51	54.23
21.0-22.0	172.1	6.9	164.5	2.38	56.61
22.0-23.0	155.8	6.5	171.0	2.25	58.86
23.0-24.0	141.2	6.2	177.2	2.12	60.98
24.0-25.0	128.0	5.8	183.0	2.00	62.99
25.0-26.0	116.1	5.5	188.5	1.89	64.87
26.0-27.0	105.5	5.2	193.7	1.78	66.65
27.0-28.0	95.8	4.9	198.5	1.67	68.32
28.0-29.0	87.0	4.6	203.1	1.57	69.89
29.0-30.0	79.1	4.3	207.4	1.47	71.36
30.0-31.0	72.0	4.0	211.4	1.38	72.74
31.0-32.0	65.5	3.8	215.1	1.29	74.03
32.0-33.0	59.7	3.5	218.6	1.21	75.24
33.0-34.0	54.4	3.3	221.9	1.13	76.37
34.0-35.0	49.7	3.1	225.0	1.06	77.43
35.0-36.0	45.5	2.9	227.9	1.00	78.43

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	41.8	2.7	230.6	0.94	79.37
37.0-38.0	38.4	2.6	233.2	0.88	80.25
38.0-39.0	35.4	2.4	235.6	0.83	81.08
39.0-40.0	32.7	2.3	237.9	0.79	81.87
40.0-41.0	30.3	2.2	240.1	0.74	82.61
41.0-42.0	28.1	2.0	242.1	0.70	83.31
42.0-43.0	26.1	1.9	244.0	0.67	83.98
43.0-44.0	24.3	1.8	245.9	0.63	84.61
44.0-45.0	22.6	1.7	247.6	0.60	85.21
45.0-46.0	21.1	1.7	249.3	0.57	85.77
46.0-47.0	19.8	1.6	250.8	0.54	86.32
47.0-48.0	18.5	1.5	252.3	0.51	86.83
48.0-49.0	17.3	1.4	253.7	0.49	87.32
49.0-50.0	16.2	1.4	255.1	0.47	87.78
50.0-51.0	15.2	1.3	256.4	0.44	88.23
51.0-52.0	14.3	1.2	257.6	0.42	88.65
52.0-53.0	13.5	1.2	258.8	0.40	89.05
53.0-54.0	12.7	1.1	259.9	0.38	89.44
54.0-55.0	11.9	1.1	261.0	0.37	89.80
55.0-56.0	11.3	1.0	262.0	0.35	90.15
56.0-57.0	10.6	1.0	262.9	0.33	90.49
57.0-58.0	10.0	0.9	263.9	0.32	90.80
58.0-59.0	9.4	0.9	264.7	0.30	91.11
59.0-60.0	8.8	0.8	265.6	0.29	91.39
60.0-61.0	8.3	0.8	266.4	0.27	91.66
61.0-62.0	7.8	0.8	267.1	0.26	91.92
62.0-63.0	7.3	0.7	267.8	0.25	92.17
63.0-64.0	6.9	0.7	268.5	0.23	92.40
64.0-65.0	6.5	0.6	269.2	0.22	92.62
65.0-66.0	6.1	0.6	269.8	0.21	92.83
66.0-67.0	5.8	0.6	270.3	0.20	93.03
67.0-68.0	5.4	0.6	270.9	0.19	93.22
68.0-69.0	5.1	0.5	271.4	0.18	93.40
69.0-70.0	4.8	0.5	271.9	0.17	93.57
70.0-71.0	4.5	0.5	272.4	0.16	93.73
71.0-72.0	4.2	0.4	272.8	0.15	93.89

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	4.0	0.4	273.2	0.14	94.03
73.0-74.0	3.7	0.4	273.6	0.13	94.16
74.0-75.0	3.4	0.4	274.0	0.13	94.29
75.0-76.0	3.2	0.3	274.3	0.12	94.40
76.0-77.0	3.0	0.3	274.6	0.11	94.51
77.0-78.0	2.8	0.3	274.9	0.10	94.62
78.0-79.0	2.6	0.3	275.2	0.10	94.71
79.0-80.0	2.5	0.3	275.5	0.09	94.80
80.0-81.0	2.3	0.3	275.7	0.09	94.89
81.0-82.0	2.2	0.2	276.0	0.08	94.97
82.0-83.0	2.0	0.2	276.2	0.08	95.05
83.0-84.0	2.0	0.2	276.4	0.07	95.12
84.0-85.0	1.9	0.2	276.6	0.07	95.19
85.0-86.0	1.8	0.2	276.8	0.07	95.26
86.0-87.0	1.8	0.2	277.0	0.07	95.33
87.0-88.0	1.7	0.2	277.2	0.07	95.39
88.0-89.0	1.7	0.2	277.4	0.06	95.46
89.0-90.0	1.7	0.2	277.6	0.06	95.52
90.0-91.0	1.7	0.2	277.8	0.06	95.59
91.0-92.0	1.7	0.2	277.9	0.06	95.65
92.0-93.0	1.7	0.2	278.1	0.06	95.71
93.0-94.0	1.7	0.2	278.3	0.06	95.78
94.0-95.0	1.7	0.2	278.5	0.06	95.84
95.0-96.0	1.7	0.2	278.7	0.06	95.91
96.0-97.0	1.7	0.2	278.9	0.06	95.97
97.0-98.0	1.7	0.2	279.1	0.06	96.03
98.0-99.0	1.7	0.2	279.2	0.06	96.10
99.0-100.0	1.7	0.2	279.4	0.06	96.16
100.0-101.0	1.7	0.2	279.6	0.06	96.22
101.0-102.0	1.7	0.2	279.8	0.06	96.28
102.0-103.0	1.7	0.2	280.0	0.06	96.34
103.0-104.0	1.7	0.2	280.1	0.06	96.41
104.0-105.0	1.7	0.2	280.3	0.06	96.47
105.0-106.0	1.7	0.2	280.5	0.06	96.53
106.0-107.0	1.7	0.2	280.7	0.06	96.59
107.0-108.0	1.7	0.2	280.9	0.06	96.65

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	1.7	0.2	281.0	0.06	96.71
109.0-110.0	1.7	0.2	281.2	0.06	96.77
110.0-111.0	1.7	0.2	281.4	0.06	96.83
111.0-112.0	1.7	0.2	281.5	0.06	96.89
112.0-113.0	1.7	0.2	281.7	0.06	96.95
113.0-114.0	1.7	0.2	281.9	0.06	97.01
114.0-115.0	1.7	0.2	282.1	0.06	97.07
115.0-116.0	1.7	0.2	282.2	0.06	97.13
116.0-117.0	1.8	0.2	282.4	0.06	97.18
117.0-118.0	1.8	0.2	282.6	0.06	97.24
118.0-119.0	1.8	0.2	282.8	0.06	97.30
119.0-120.0	1.8	0.2	282.9	0.06	97.36
120.0-121.0	1.8	0.2	283.1	0.06	97.42
121.0-122.0	1.8	0.2	283.3	0.06	97.48
122.0-123.0	1.8	0.2	283.4	0.06	97.54
123.0-124.0	1.8	0.2	283.6	0.06	97.59
124.0-125.0	1.9	0.2	283.8	0.06	97.65
125.0-126.0	1.9	0.2	283.9	0.06	97.71
126.0-127.0	1.9	0.2	284.1	0.06	97.77
127.0-128.0	1.9	0.2	284.3	0.06	97.82
128.0-129.0	1.9	0.2	284.4	0.06	97.88
129.0-130.0	2.0	0.2	284.6	0.06	97.94
130.0-131.0	2.0	0.2	284.8	0.06	98.00
131.0-132.0	2.0	0.2	284.9	0.06	98.05
132.0-133.0	2.1	0.2	285.1	0.06	98.11
133.0-134.0	2.1	0.2	285.3	0.06	98.17
134.0-135.0	2.1	0.2	285.4	0.06	98.23
135.0-136.0	2.2	0.2	285.6	0.06	98.28
136.0-137.0	2.2	0.2	285.8	0.06	98.34
137.0-138.0	2.3	0.2	285.9	0.06	98.40
138.0-139.0	2.3	0.2	286.1	0.06	98.46
139.0-140.0	2.4	0.2	286.3	0.06	98.51
140.0-141.0	2.4	0.2	286.4	0.06	98.57
141.0-142.0	2.5	0.2	286.6	0.06	98.63
142.0-143.0	2.5	0.2	286.8	0.06	98.69
143.0-144.0	2.5	0.2	286.9	0.06	98.74

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	2.6	0.2	287.1	0.06	98.80
145.0-146.0	2.6	0.2	287.3	0.06	98.86
146.0-147.0	2.7	0.2	287.4	0.06	98.91
147.0-148.0	2.7	0.2	287.6	0.06	98.97
148.0-149.0	2.8	0.2	287.7	0.06	99.02
149.0-150.0	2.8	0.2	287.9	0.05	99.08
150.0-151.0	2.9	0.2	288.1	0.05	99.13
151.0-152.0	2.9	0.2	288.2	0.05	99.18
152.0-153.0	3.0	0.1	288.4	0.05	99.23
153.0-154.0	3.0	0.1	288.5	0.05	99.28
154.0-155.0	3.1	0.1	288.7	0.05	99.33
155.0-156.0	3.1	0.1	288.8	0.05	99.38
156.0-157.0	3.1	0.1	288.9	0.05	99.43
157.0-158.0	3.2	0.1	289.1	0.05	99.48
158.0-159.0	3.2	0.1	289.2	0.04	99.52
159.0-160.0	3.2	0.1	289.3	0.04	99.56
160.0-161.0	3.3	0.1	289.4	0.04	99.60
161.0-162.0	3.3	0.1	289.6	0.04	99.64
162.0-163.0	3.3	0.1	289.7	0.04	99.68
163.0-164.0	3.3	0.1	289.8	0.04	99.72
164.0-165.0	3.4	0.1	289.9	0.03	99.75
165.0-166.0	3.4	0.1	290.0	0.03	99.78
166.0-167.0	3.4	0.1	290.0	0.03	99.81
167.0-168.0	3.4	0.1	290.1	0.03	99.84
168.0-169.0	3.4	0.1	290.2	0.03	99.86
169.0-170.0	3.4	0.1	290.3	0.02	99.89
170.0-171.0	3.4	0.1	290.3	0.02	99.91
171.0-172.0	3.4	0.1	290.4	0.02	99.93
172.0-173.0	3.4	0.0	290.4	0.02	99.95
173.0-174.0	3.4	0.0	290.5	0.01	99.96
174.0-175.0	3.4	0.0	290.5	0.01	99.97
175.0-176.0	3.4	0.0	290.5	0.01	99.98
176.0-177.0	3.4	0.0	290.6	0.01	99.99
177.0-178.0	3.4	0.0	290.6	0.01	100.00
178.0-179.0	3.4	0.0	290.6	0.00	100.00
179.0-180.0	3.4	0.0	290.6	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: