GENLED Brands
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Report No.: **Test Time: 2023/2/21 14:41**

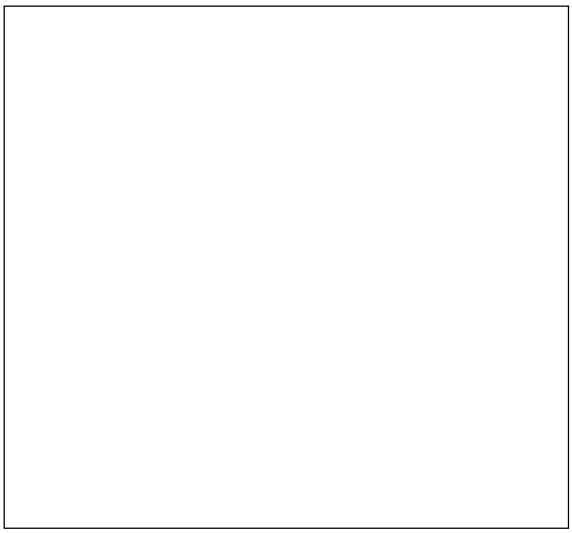
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4040-WHITE ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.3 V**
Current: 0.105 A **Power: 9.59 W**
Power Factor: 0.414

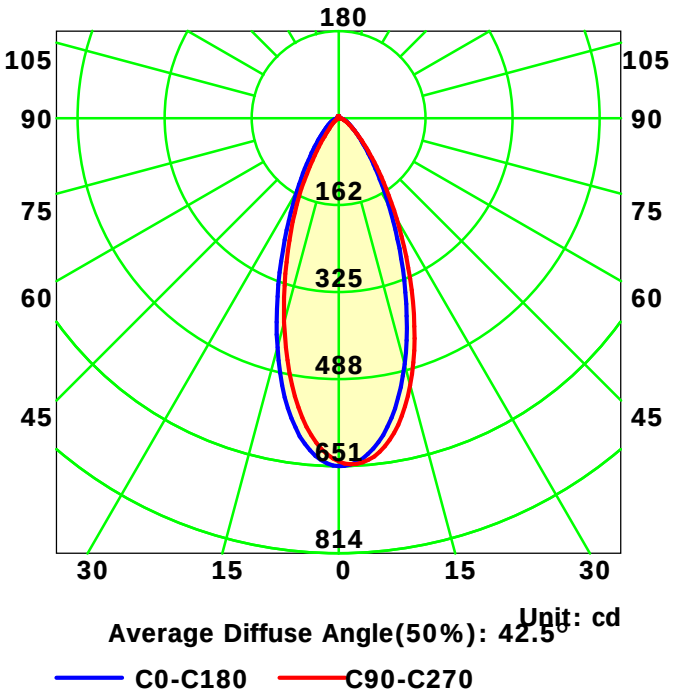
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 465.8 lm**
Measurement Flux: 465.8 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H85,H42.4
Vertical Diffuse Angle(10%,50%): V80,V42.6
Luminaire Efficacy Rating (LER): 49 **Central Intensity: 651.77 cd**
Max. Intensity: 651.78 cd **Pos of Max. Intensity: H0 V0**

Picture Of Luminaire

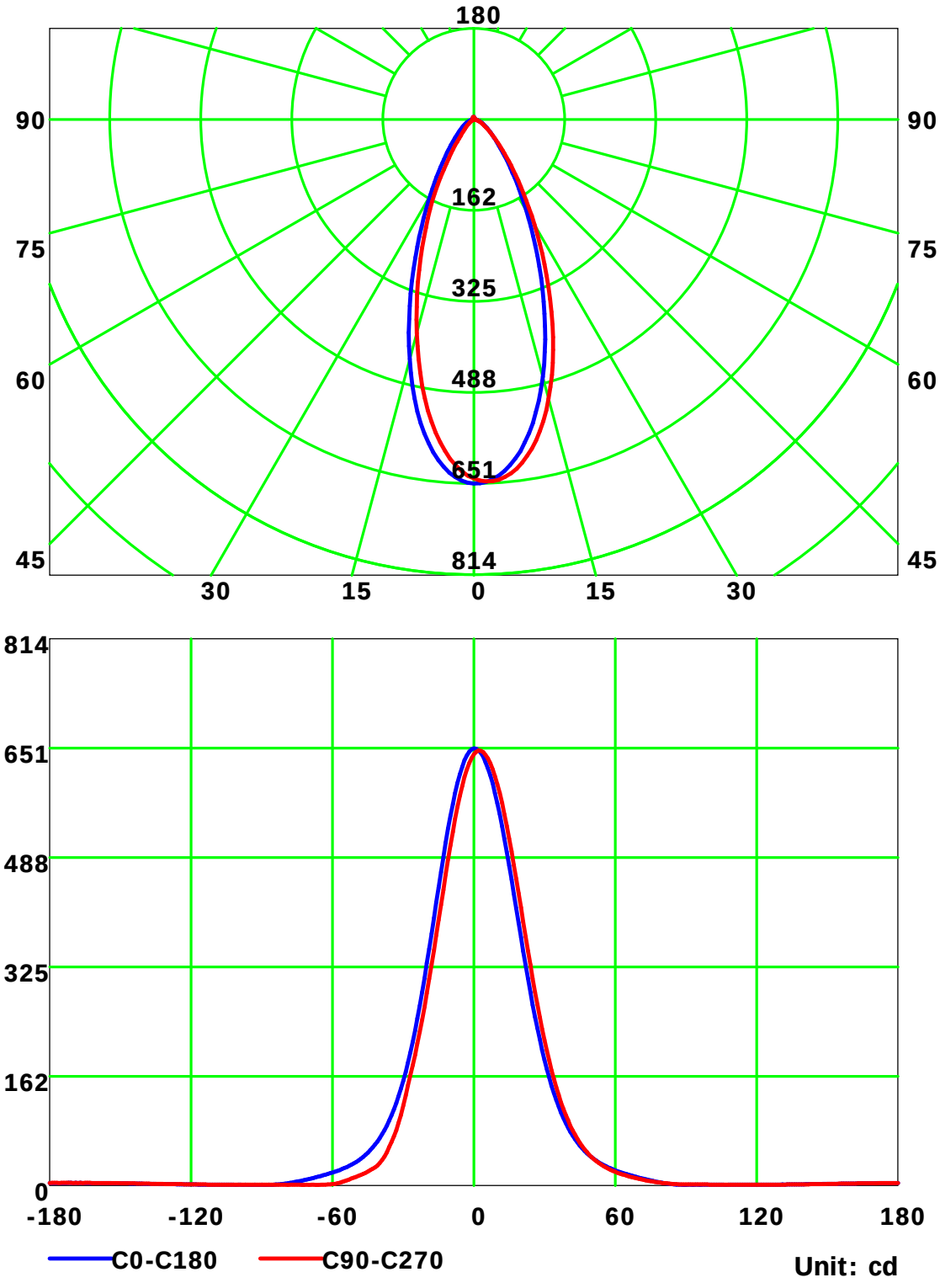


Luminous Intensity Distribution Curve



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:**

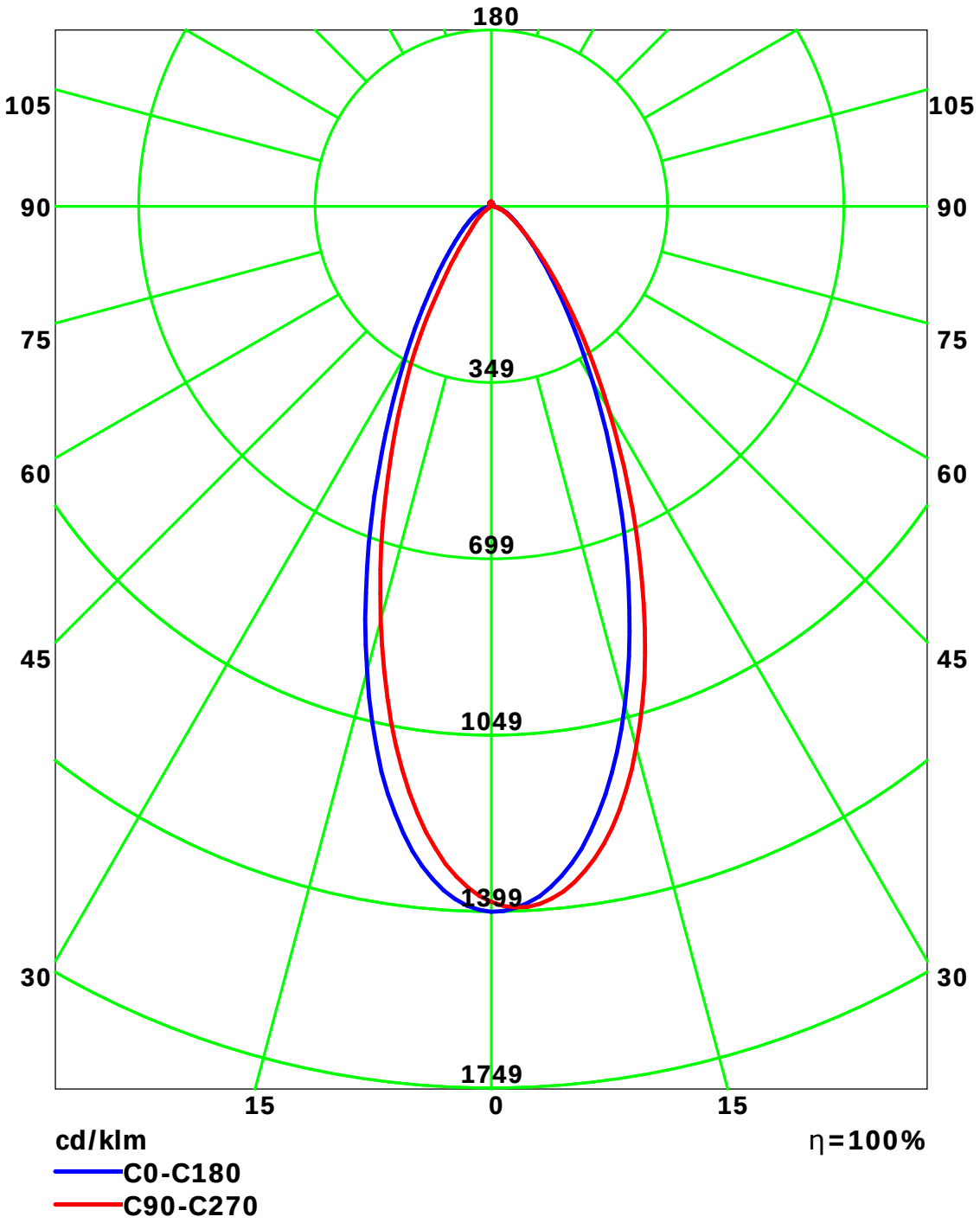
Luminous Intensity Distribution Curve



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

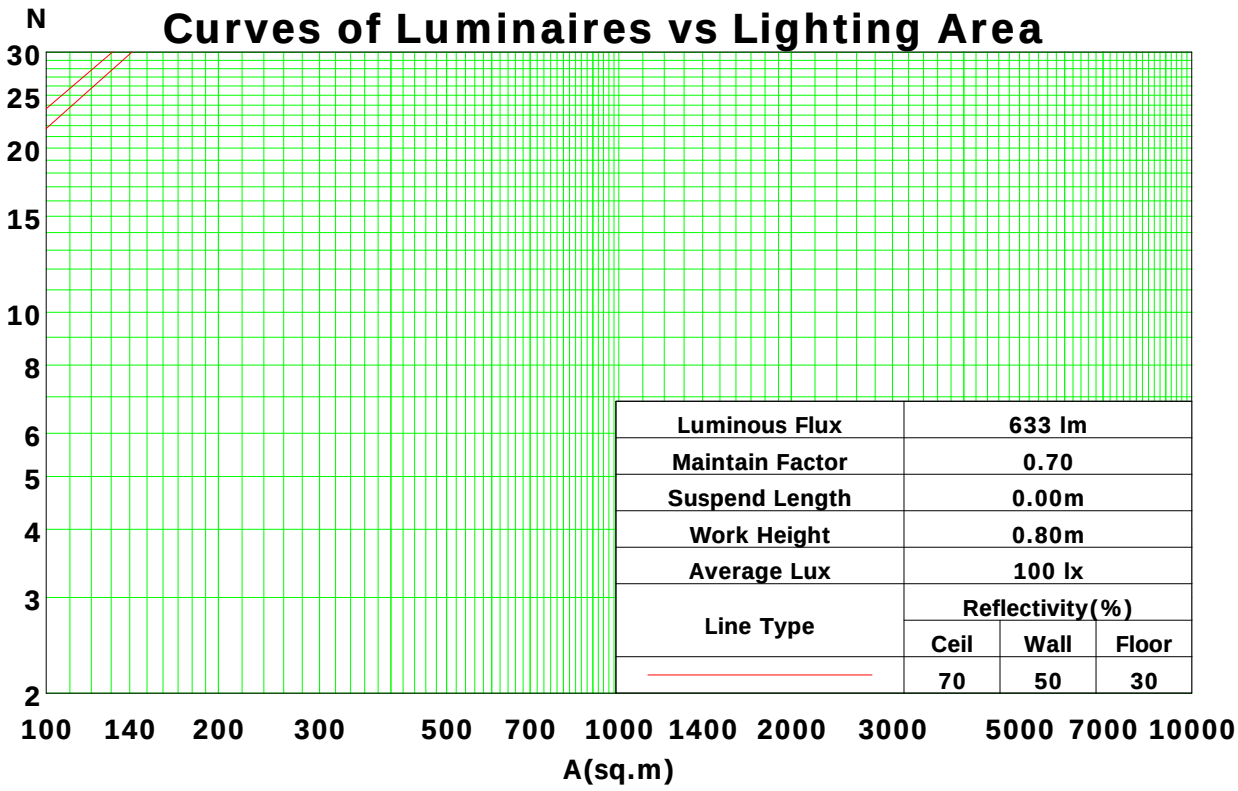
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	104	104	104	99	99	99	97
1	112	109	106	103	109	106	104	102	102	100	98	97	96	94	93	92	91	89
2	106	100	96	92	103	98	94	91	94	91	88	91	88	86	88	86	84	82
3	100	93	87	83	97	91	86	82	88	84	80	85	82	79	82	80	77	75
4	94	86	80	76	92	85	79	75	82	78	74	80	76	73	78	74	71	70
5	89	80	74	70	87	79	73	69	77	72	68	75	71	67	73	69	66	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	69	65	62	60
7	81	71	64	60	79	70	64	60	68	63	59	67	62	59	65	61	58	57
8	77	67	60	56	75	66	60	56	65	59	56	63	59	55	62	58	55	53
9	73	63	57	53	72	62	57	53	61	56	52	60	55	52	59	55	52	50
10	70	60	54	50	69	59	54	50	58	53	49	57	52	49	56	52	49	47

Spacing Criteria (0-180): 0.67
Spacing Criteria (90-270): 0.68
Spacing Criteria (Diagonal): 0.70

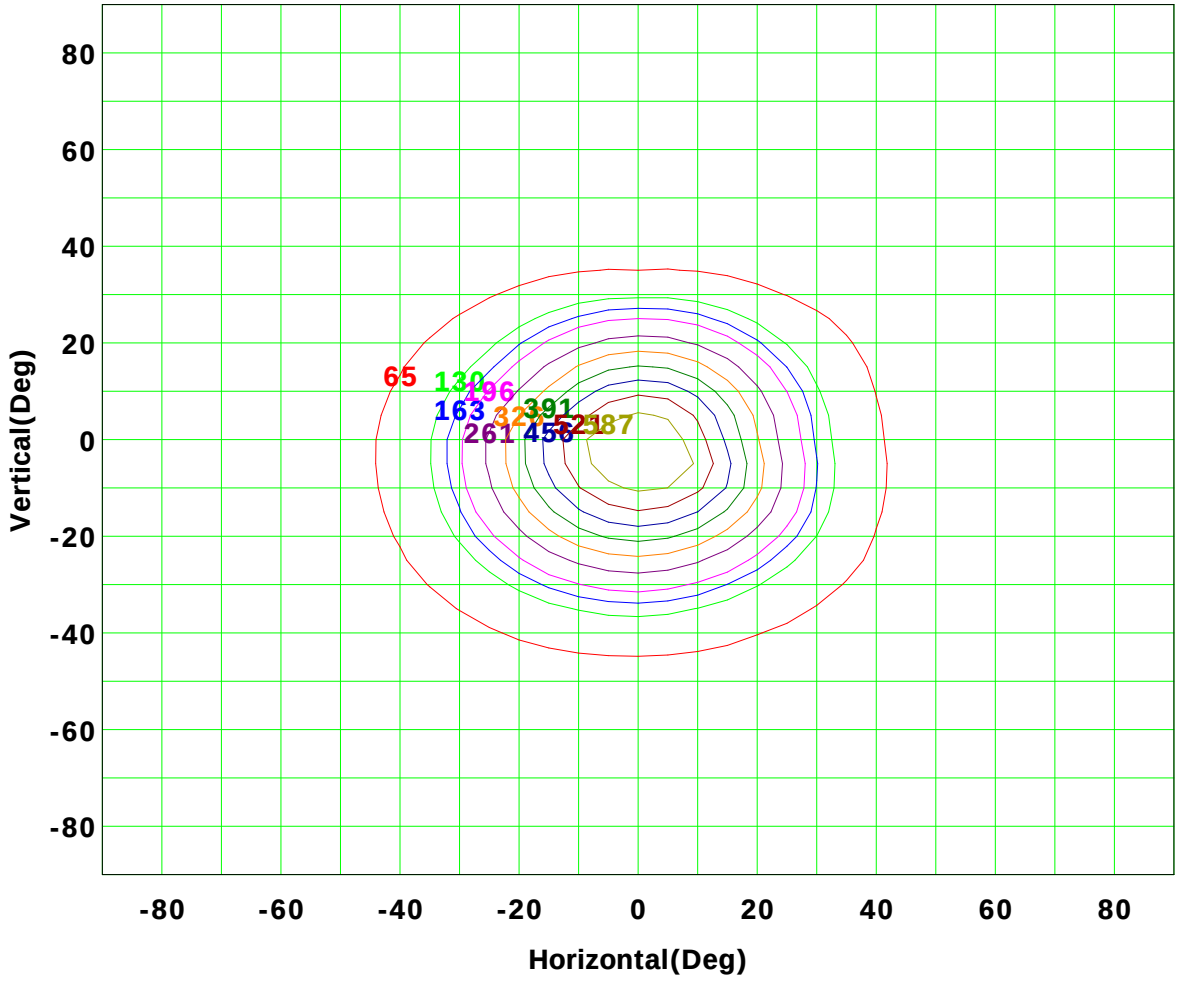
Curves of Luminaires vs Lighting Area



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)



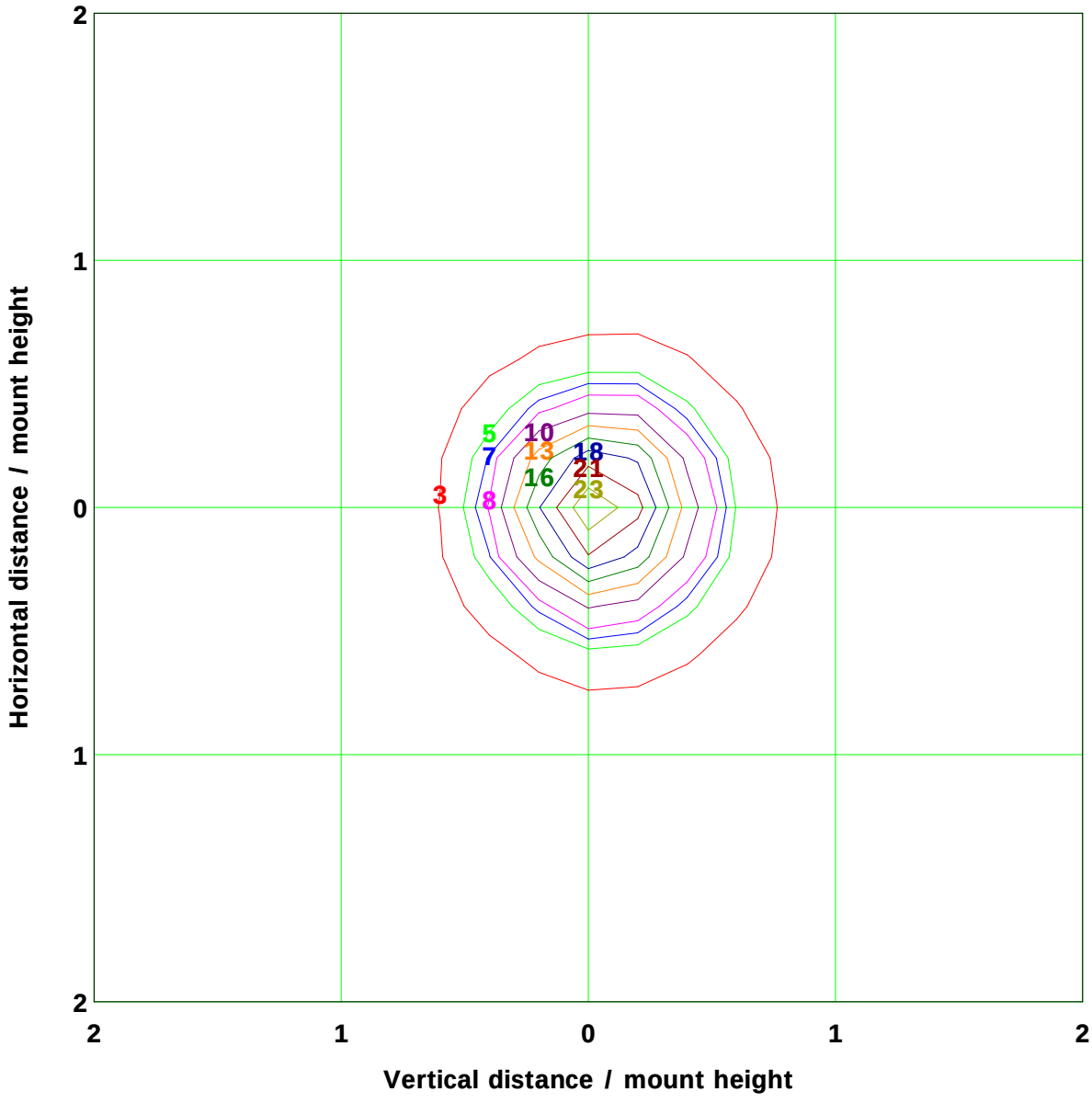
Imax (100%): 652 cd

(10%): 65 cd	(20%): 130 cd
(25%): 163 cd	(30%): 196 cd
(40%): 261 cd	(50%): 326 cd
(60%): 391 cd	(70%): 456 cd
(80%): 521 cd	(90%): 587 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%): 26.1 lx

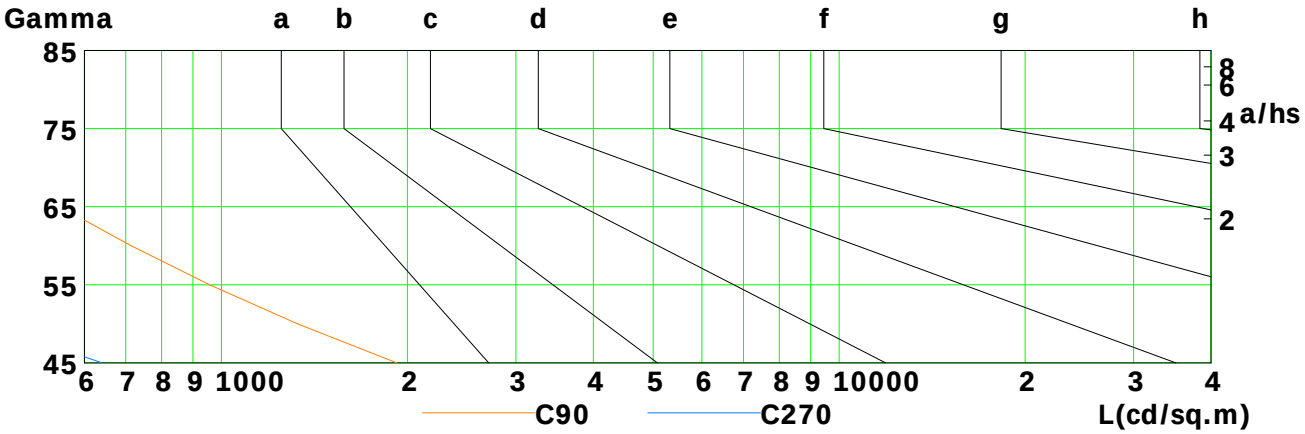
(10%): 2.6 lx	(20%): 5.2 lx
(25%): 6.5 lx	(30%): 7.8 lx
(40%): 10.4 lx	(50%): 13.0 lx
(60%): 15.6 lx	(70%): 18.2 lx
(80%): 20.9 lx	(90%): 23.5 lx

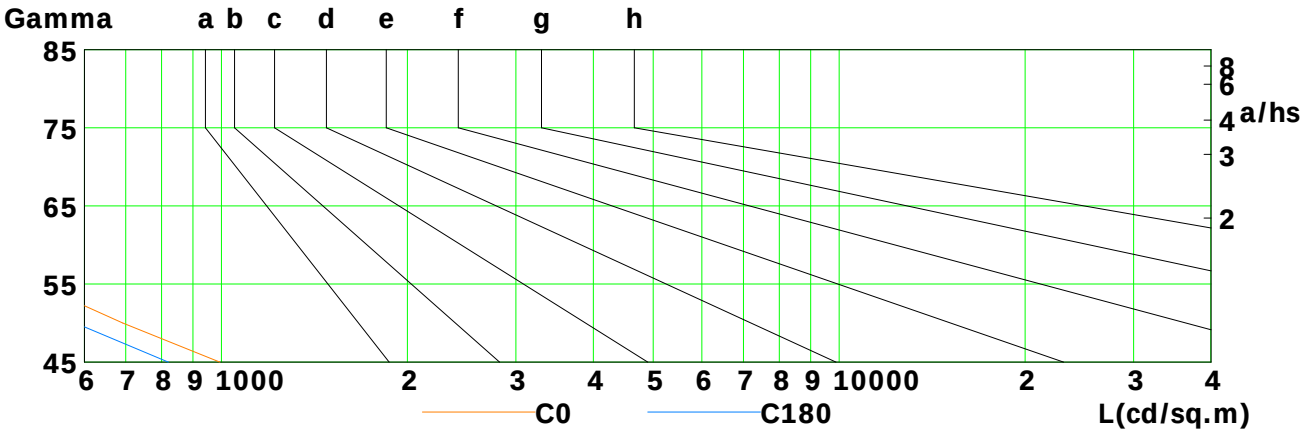
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



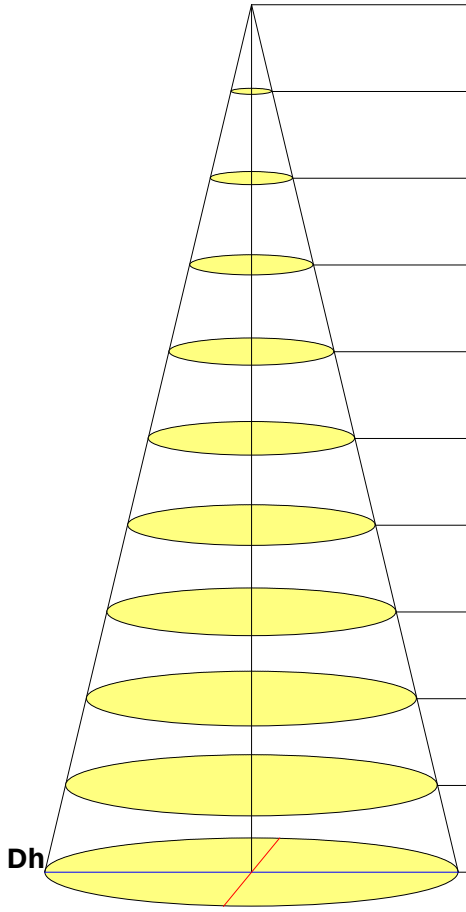


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	994	693	503	373	279	202	136	80	41
C90	1924	1329	958	715	549	410	297	210	150
C180	821	581	427	319	237	168	108	58	31
C270	641	421	232	83	61	62	70	80	90

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:

Illuminance at a Distance



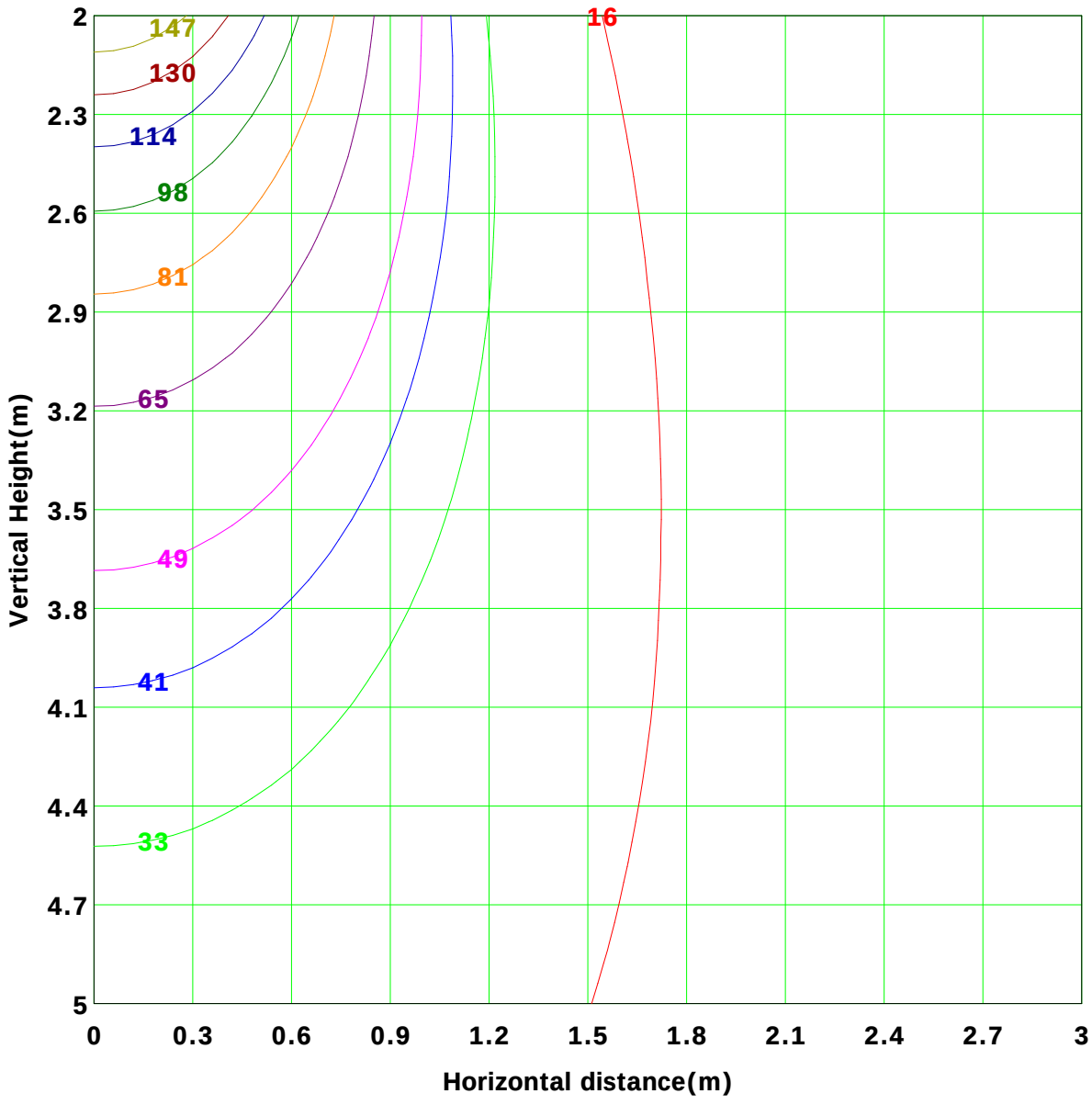
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	651.77	0.78/0.78	0.5	288.25
2.0	162.94	1.55/1.56	1.9	72.06
3.0	72.42	2.33/2.34	4.4	32.03
4.0	40.74	3.10/3.12	7.8	18.02
5.0	26.07	3.88/3.90	12.2	11.53
6.0	18.10	4.66/4.68	17.5	8.01
7.0	13.30	5.43/5.46	23.8	5.88
8.0	10.18	6.21/6.24	31.1	4.50
9.0	8.05	6.98/7.02	39.4	3.56
10.0	6.52	7.76/7.80	48.6	2.88

Beam Angle(B): H42.4 V42.6 Field Angle(F): H85.0 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: 162.9 lx

(10%): 16.3 lx
(20%): 32.6 lx
(25%): 40.7 lx
(30%): 48.9 lx
(40%): 65.2 lx
(50%): 81.5 lx
(60%): 97.8 lx
(70%): 114.1 lx
(80%): 130.4 lx
(90%): 146.6 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)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0		0.0
-60	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.2	0.1	0.0	0.0	0.0		0.0
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.7	1.1	1.1	1.1	0.9	0.7	0.4	0.2	0.1	0.0	0.0		0.0
-40	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.3	2.0	2.6	2.8	2.1	1.4	0.8	0.4	0.2	0.1	0.0		0.0
-30	0.0	0.0	0.1	0.2	0.3	0.4	0.6	1.2	2.2	3.9	6.0	6.8	6.1	4.5	2.6	1.2	0.5	0.2	0.1		0.0
-20	0.0	0.0	0.1	0.2	0.4	0.5	0.8	1.6	3.4	6.7	11.2	13.6	12.1	8.4	4.4	1.7	0.6	0.2	0.1		0.0
-10	0.0	0.0	0.1	0.2	0.5	0.6	0.9	1.9	4.4	9.0	15.0	18.7	17.1	11.6	5.8	2.1	0.7	0.2	0.1		0.1
0	0.0	0.0	0.1	0.2	0.5	0.6	0.9	2.0	4.4	9.0	14.8	18.4	16.8	11.3	5.7	2.1	0.7	0.2	0.1		0.1
10	0.0	0.0	0.1	0.2	0.4	0.5	0.8	1.7	3.5	6.9	11.0	13.7	12.1	8.0	4.2	1.7	0.6	0.2	0.1		0.0
20	0.0	0.0	0.1	0.2	0.4	0.4	0.7	1.2	2.3	4.1	6.2	7.5	6.7	4.4	2.5	1.1	0.5	0.2	0.1		0.0
30	0.0	0.0	0.1	0.2	0.3	0.3	0.5	0.8	1.3	2.1	2.8	3.3	3.0	2.2	1.4	0.7	0.4	0.2	0.1		0.0
40	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.5	0.7	1.0	1.2	1.3	1.2	1.0	0.7	0.4	0.2	0.1	0.0		0.0
50	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0		0.0
60	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.5	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0		0.0
70	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0		0.0
80	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.0		0.0
90	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.0	0.0		0.0
Flux(T)	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		
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		

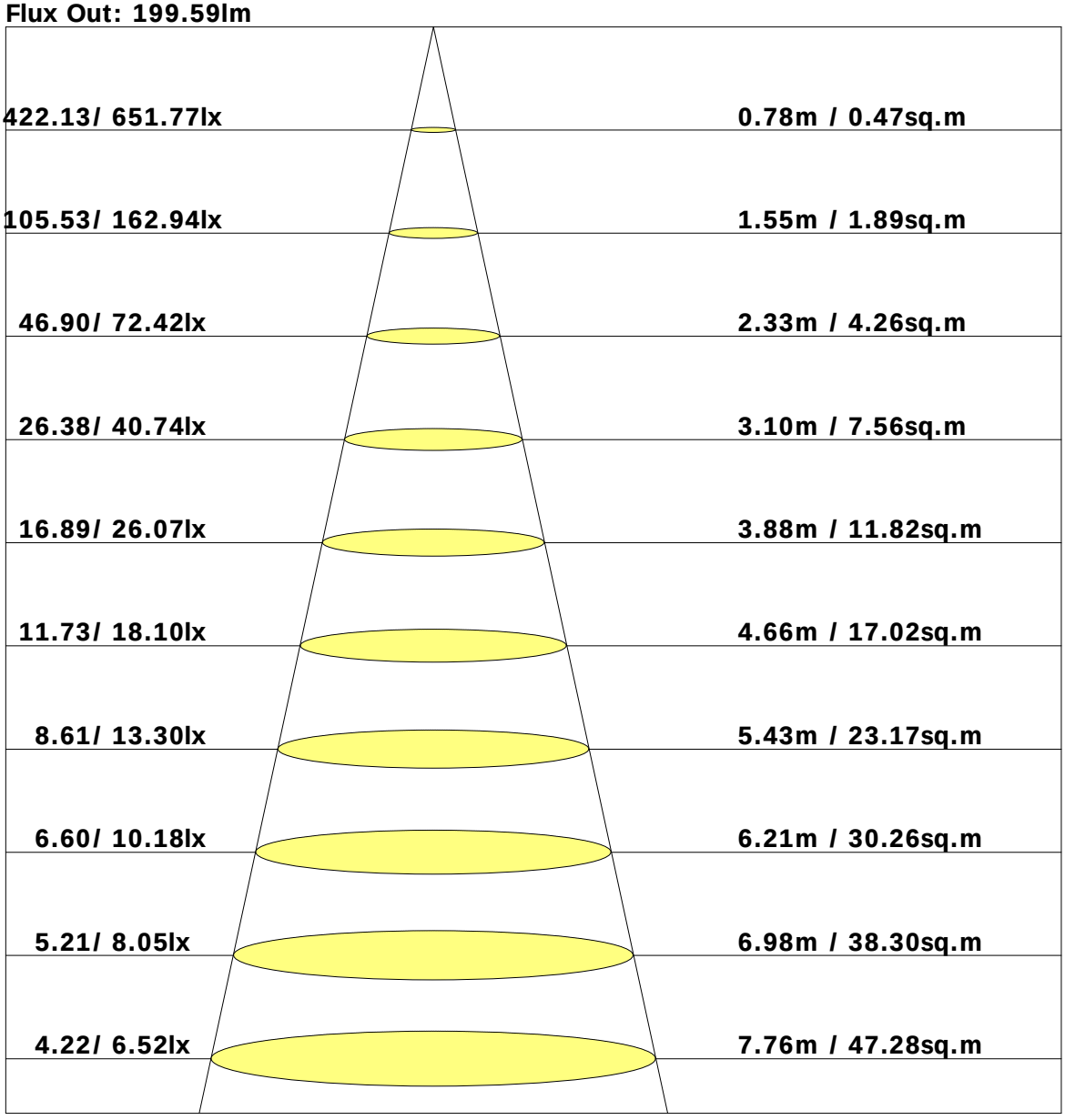
Flux(T)	Flux(E)
451	382
0.9	0.0
2.0	0.0
4.0	0.0
7.1	0.0
13.1	3.3
25.4	20.1
47.0	43.1
73.5	70.2
88.8	85.6
80.3	77.1
55.6	52.0
30.6	25.9
13.0	4.5
5.3	0.0
2.2	0.0
0.8	0.0
0.6	0.0
0.6	0.0

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

Flux Out: 199.59lm



Height Avg./Nadir. E Beam Angle:42.4° 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	9.0	10.1	9.4	10.5	10.9	8.1	9.2	8.5	9.6	10.0
3H	10.1	11.1	10.6	11.5	11.9	8.8	9.8	9.3	10.2	10.6
4H	10.5	11.3	10.9	11.8	12.2	9.0	9.9	9.5	10.3	10.8
6H	10.6	11.5	11.1	11.9	12.4	9.1	9.9	9.6	10.4	10.8
8H	10.7	11.4	11.2	11.9	12.4	9.1	9.9	9.6	10.3	10.8
12H	10.7	11.4	11.2	11.9	12.4	9.1	9.8	9.6	10.3	10.8
X=4H Y=2H	9.0	9.9	9.5	10.3	10.8	8.4	9.3	8.9	9.7	10.2
3H	10.2	10.9	10.7	11.4	11.9	9.3	10.0	9.8	10.5	11.0
4H	10.6	11.3	11.1	11.7	12.3	9.6	10.2	10.0	10.7	11.2
6H	10.9	11.4	11.4	11.9	12.5	9.7	10.3	10.2	10.8	11.3
8H	10.9	11.4	11.4	11.9	12.5	9.7	10.3	10.3	10.8	11.3
12H	10.9	11.4	11.5	11.9	12.5	9.7	10.2	10.3	10.7	11.3
X=8H Y=4H	10.5	11.1	11.1	11.6	12.1	9.6	10.2	10.2	10.7	11.2
6H	10.8	11.2	11.4	11.8	12.4	9.8	10.3	10.4	10.8	11.4
8H	10.9	11.3	11.5	11.8	12.4	9.9	10.3	10.5	10.9	11.4
12H	11.0	11.3	11.5	11.8	12.5	10.0	10.3	10.5	10.8	11.5
X=12H Y=4H	10.5	10.9	11.0	11.5	12.0	9.6	10.1	10.2	10.6	11.2
6H	10.8	11.1	11.4	11.7	12.3	9.8	10.2	10.4	10.7	11.4
8H	10.9	11.2	11.4	11.7	12.4	9.9	10.3	10.5	10.8	11.5

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	0.78	0.85	0.90	0.94	0.99	1.02	1.04	1.07	1.08
	0.30		0.73	0.80	0.85	0.89	0.95	0.98	1.01	1.04	1.06
	0.20		0.69	0.76	0.82	0.86	0.91	0.95	0.98	1.02	1.04
0.50	0.50	0.20	0.76	0.83	0.88	0.91	0.95	0.98	1.00	1.02	1.04
	0.30		0.72	0.79	0.84	0.87	0.92	0.95	0.97	1.00	1.02
	0.20		0.68	0.76	0.80	0.84	0.89	0.93	0.95	0.98	1.00
0.30	0.50	0.20	0.75	0.81	0.85	0.88	0.92	0.94	0.96	0.98	0.99
	0.30		0.71	0.78	0.82	0.85	0.89	0.92	0.94	0.96	0.98
	0.20		0.68	0.75	0.79	0.83	0.87	0.90	0.92	0.95	0.97
0.00	0.00	0.00	0.66	0.72	0.76	0.79	0.83	0.86	0.88	0.90	0.91

Rating:10W 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	0.67	0.54	0.46	0.39	0.31	0.26	0.22	0.17	0.14
	0.30		0.56	0.46	0.40	0.35	0.28	0.24	0.20	0.16	0.13
	0.20		0.48	0.40	0.35	0.31	0.26	0.22	0.19	0.15	0.13
0.50	0.50	0.20	0.63	0.51	0.43	0.37	0.29	0.28	0.20	0.16	0.13
	0.30		0.54	0.44	0.38	0.33	0.26	0.22	0.19	0.15	0.12
	0.20		0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12
0.30	0.50	0.20	0.60	0.48	0.40	0.34	0.27	0.22	0.19	0.14	0.12
	0.30		0.51	0.42	0.36	0.31	0.25	0.21	0.17	0.14	0.11
	0.20		0.45	0.38	0.32	0.28	0.23	0.19	0.17	0.13	0.11
0.00	0.00	0.00	0.32	0.26	0.21	0.18	0.14	0.12	0.10	0.08	0.06

Rating:10W 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	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.20	0.20	0.22	0.22
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.19	0.19	0.21	0.21	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.22	0.22
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Rating:10W 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	645.2	0.6	0.6	0.13	0.13
1.0-2.0	643.3	1.8	2.5	0.40	0.53
2.0-3.0	639.5	3.1	5.5	0.66	1.19
3.0-4.0	633.9	4.2	9.8	0.91	2.10
4.0-5.0	626.4	5.4	15.2	1.16	3.25
5.0-6.0	617.1	6.5	21.6	1.39	4.65
6.0-7.0	606.3	7.5	29.2	1.62	6.26
7.0-8.0	593.8	8.5	37.7	1.82	8.09
8.0-9.0	579.7	9.4	47.1	2.02	10.10
9.0-10.0	564.2	10.2	57.3	2.19	12.30
10.0-11.0	547.6	10.9	68.2	2.35	14.65
11.0-12.0	529.4	11.6	79.8	2.48	17.13
12.0-13.0	510.3	12.1	91.9	2.60	19.73
13.0-14.0	490.5	12.6	104.5	2.70	22.43
14.0-15.0	469.8	12.9	117.4	2.77	25.20
15.0-16.0	448.6	13.1	130.5	2.82	28.02
16.0-17.0	427.3	13.3	143.8	2.86	30.88
17.0-18.0	405.8	13.4	157.2	2.87	33.75
18.0-19.0	384.1	13.4	170.6	2.87	36.62
19.0-20.0	362.6	13.3	183.8	2.85	39.47
20.0-21.0	341.3	13.1	196.9	2.81	42.28
21.0-22.0	320.4	12.9	209.8	2.76	45.04
22.0-23.0	300.1	12.6	222.4	2.70	47.75
23.0-24.0	280.6	12.3	234.7	2.63	50.38
24.0-25.0	261.8	11.9	246.6	2.56	52.94
25.0-26.0	243.6	11.5	258.1	2.47	55.41
26.0-27.0	226.4	11.1	269.2	2.38	57.79
27.0-28.0	209.9	10.6	279.8	2.28	60.07
28.0-29.0	194.4	10.2	290.0	2.18	62.25
29.0-30.0	179.7	9.7	299.7	2.08	64.33
30.0-31.0	165.7	9.2	308.9	1.98	66.31
31.0-32.0	152.5	8.7	317.6	1.88	68.19
32.0-33.0	140.4	8.3	325.9	1.78	69.97
33.0-34.0	129.0	7.8	333.7	1.68	71.64
34.0-35.0	118.4	7.4	341.1	1.58	73.22
35.0-36.0	108.6	6.9	348.0	1.49	74.71

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	99.7	6.5	354.5	1.40	76.10
37.0-38.0	91.4	6.1	360.6	1.31	77.41
38.0-39.0	83.9	5.7	366.3	1.23	78.64
39.0-40.0	77.0	5.4	371.7	1.15	79.80
40.0-41.0	70.6	5.0	376.7	1.08	80.88
41.0-42.0	65.0	4.7	381.4	1.01	81.89
42.0-43.0	59.8	4.4	385.9	0.95	82.84
43.0-44.0	55.1	4.2	390.0	0.89	83.73
44.0-45.0	50.9	3.9	393.9	0.84	84.57
45.0-46.0	47.0	3.7	397.6	0.79	85.36
46.0-47.0	43.5	3.5	401.1	0.74	86.10
47.0-48.0	40.3	3.3	404.3	0.70	86.80
48.0-49.0	37.4	3.1	407.4	0.66	87.46
49.0-50.0	34.7	2.9	410.3	0.62	88.08
50.0-51.0	32.2	2.7	413.0	0.58	88.67
51.0-52.0	29.9	2.6	415.6	0.55	89.22
52.0-53.0	27.7	2.4	418.0	0.52	89.74
53.0-54.0	25.8	2.3	420.3	0.49	90.22
54.0-55.0	23.9	2.1	422.4	0.46	90.68
55.0-56.0	22.2	2.0	424.4	0.43	91.11
56.0-57.0	20.6	1.9	426.3	0.41	91.52
57.0-58.0	19.2	1.8	428.1	0.38	91.90
58.0-59.0	17.8	1.7	429.7	0.36	92.26
59.0-60.0	16.6	1.6	431.3	0.34	92.59
60.0-61.0	15.4	1.5	432.8	0.32	92.91
61.0-62.0	14.4	1.4	434.2	0.30	93.21
62.0-63.0	13.4	1.3	435.5	0.28	93.49
63.0-64.0	12.5	1.2	436.7	0.26	93.75
64.0-65.0	11.7	1.2	437.9	0.25	94.00
65.0-66.0	11.0	1.1	439.0	0.24	94.24
66.0-67.0	10.3	1.0	440.0	0.22	94.46
67.0-68.0	9.6	1.0	441.0	0.21	94.67
68.0-69.0	8.9	0.9	441.9	0.20	94.86
69.0-70.0	8.3	0.9	442.7	0.18	95.04
70.0-71.0	7.7	0.8	443.5	0.17	95.22
71.0-72.0	7.1	0.7	444.3	0.16	95.37

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	6.5	0.7	444.9	0.15	95.52
73.0-74.0	6.0	0.6	445.6	0.14	95.66
74.0-75.0	5.5	0.6	446.1	0.13	95.78
75.0-76.0	5.1	0.5	446.7	0.12	95.90
76.0-77.0	4.6	0.5	447.2	0.11	96.00
77.0-78.0	4.2	0.5	447.6	0.10	96.10
78.0-79.0	3.9	0.4	448.1	0.09	96.19
79.0-80.0	3.5	0.4	448.4	0.08	96.27
80.0-81.0	3.2	0.3	448.8	0.07	96.35
81.0-82.0	2.9	0.3	449.1	0.07	96.41
82.0-83.0	2.7	0.3	449.4	0.06	96.48
83.0-84.0	2.5	0.3	449.7	0.06	96.53
84.0-85.0	2.3	0.2	449.9	0.05	96.59
85.0-86.0	2.1	0.2	450.1	0.05	96.64
86.0-87.0	2.0	0.2	450.3	0.05	96.68
87.0-88.0	1.9	0.2	450.6	0.04	96.73
88.0-89.0	1.9	0.2	450.8	0.04	96.77
89.0-90.0	1.8	0.2	451.0	0.04	96.81
90.0-91.0	1.8	0.2	451.2	0.04	96.86
91.0-92.0	1.8	0.2	451.4	0.04	96.90
92.0-93.0	1.8	0.2	451.6	0.04	96.94
93.0-94.0	1.8	0.2	451.8	0.04	96.99
94.0-95.0	1.8	0.2	452.0	0.04	97.03
95.0-96.0	1.8	0.2	452.2	0.04	97.07
96.0-97.0	1.8	0.2	452.4	0.04	97.11
97.0-98.0	1.8	0.2	452.5	0.04	97.15
98.0-99.0	1.8	0.2	452.7	0.04	97.20
99.0-100.0	1.8	0.2	452.9	0.04	97.24
100.0-101.0	1.8	0.2	453.1	0.04	97.28
101.0-102.0	1.8	0.2	453.3	0.04	97.32
102.0-103.0	1.8	0.2	453.5	0.04	97.36
103.0-104.0	1.8	0.2	453.7	0.04	97.40
104.0-105.0	1.8	0.2	453.9	0.04	97.44
105.0-106.0	1.8	0.2	454.1	0.04	97.48
106.0-107.0	1.8	0.2	454.2	0.04	97.52
107.0-108.0	1.8	0.2	454.4	0.04	97.56

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	1.8	0.2	454.6	0.04	97.60
109.0-110.0	1.8	0.2	454.8	0.04	97.64
110.0-111.0	1.8	0.2	455.0	0.04	97.68
111.0-112.0	1.8	0.2	455.2	0.04	97.72
112.0-113.0	1.8	0.2	455.4	0.04	97.76
113.0-114.0	1.8	0.2	455.5	0.04	97.80
114.0-115.0	1.9	0.2	455.7	0.04	97.84
115.0-116.0	1.9	0.2	455.9	0.04	97.88
116.0-117.0	1.9	0.2	456.1	0.04	97.92
117.0-118.0	1.9	0.2	456.3	0.04	97.96
118.0-119.0	1.9	0.2	456.5	0.04	98.00
119.0-120.0	2.0	0.2	456.7	0.04	98.04
120.0-121.0	2.0	0.2	456.9	0.04	98.08
121.0-122.0	2.0	0.2	457.0	0.04	98.12
122.0-123.0	2.1	0.2	457.2	0.04	98.16
123.0-124.0	2.1	0.2	457.4	0.04	98.20
124.0-125.0	2.1	0.2	457.6	0.04	98.24
125.0-126.0	2.1	0.2	457.8	0.04	98.28
126.0-127.0	2.2	0.2	458.0	0.04	98.33
127.0-128.0	2.2	0.2	458.2	0.04	98.37
128.0-129.0	2.3	0.2	458.4	0.04	98.41
129.0-130.0	2.3	0.2	458.6	0.04	98.45
130.0-131.0	2.3	0.2	458.8	0.04	98.49
131.0-132.0	2.4	0.2	459.0	0.04	98.53
132.0-133.0	2.5	0.2	459.2	0.04	98.58
133.0-134.0	2.5	0.2	459.4	0.04	98.62
134.0-135.0	2.5	0.2	459.6	0.04	98.66
135.0-136.0	2.6	0.2	459.8	0.04	98.71
136.0-137.0	2.7	0.2	460.0	0.04	98.75
137.0-138.0	2.7	0.2	460.2	0.04	98.79
138.0-139.0	2.8	0.2	460.4	0.04	98.83
139.0-140.0	2.8	0.2	460.6	0.04	98.88
140.0-141.0	2.9	0.2	460.8	0.04	98.92
141.0-142.0	2.9	0.2	461.0	0.04	98.96
142.0-143.0	3.0	0.2	461.2	0.04	99.01
143.0-144.0	3.1	0.2	461.4	0.04	99.05

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	3.1	0.2	461.6	0.04	99.09
145.0-146.0	3.2	0.2	461.8	0.04	99.13
146.0-147.0	3.2	0.2	462.0	0.04	99.18
147.0-148.0	3.3	0.2	462.2	0.04	99.22
148.0-149.0	3.4	0.2	462.3	0.04	99.26
149.0-150.0	3.4	0.2	462.5	0.04	99.30
150.0-151.0	3.5	0.2	462.7	0.04	99.34
151.0-152.0	3.5	0.2	462.9	0.04	99.38
152.0-153.0	3.6	0.2	463.1	0.04	99.42
153.0-154.0	3.6	0.2	463.3	0.04	99.46
154.0-155.0	3.7	0.2	463.4	0.04	99.49
155.0-156.0	3.7	0.2	463.6	0.04	99.53
156.0-157.0	3.8	0.2	463.8	0.04	99.56
157.0-158.0	3.8	0.2	463.9	0.03	99.60
158.0-159.0	3.9	0.2	464.1	0.03	99.63
159.0-160.0	3.9	0.1	464.2	0.03	99.66
160.0-161.0	3.9	0.1	464.4	0.03	99.70
161.0-162.0	4.0	0.1	464.5	0.03	99.72
162.0-163.0	4.0	0.1	464.7	0.03	99.75
163.0-164.0	4.1	0.1	464.8	0.03	99.78
164.0-165.0	4.1	0.1	464.9	0.03	99.81
165.0-166.0	4.1	0.1	465.0	0.02	99.83
166.0-167.0	4.1	0.1	465.1	0.02	99.85
167.0-168.0	4.2	0.1	465.2	0.02	99.87
168.0-169.0	4.2	0.1	465.3	0.02	99.89
169.0-170.0	4.2	0.1	465.4	0.02	99.91
170.0-171.0	4.2	0.1	465.5	0.02	99.93
171.0-172.0	4.3	0.1	465.5	0.01	99.94
172.0-173.0	4.3	0.1	465.6	0.01	99.96
173.0-174.0	4.3	0.1	465.7	0.01	99.97
174.0-175.0	4.3	0.0	465.7	0.01	99.98
175.0-176.0	4.3	0.0	465.7	0.01	99.99
176.0-177.0	4.4	0.0	465.8	0.01	99.99
177.0-178.0	4.4	0.0	465.8	0.00	100.00
178.0-179.0	4.4	0.0	465.8	0.00	100.00
179.0-180.0	4.4	0.0	465.8	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: