GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: 20230309 **Test Time: 2023/3/10 14:52**

Luminaire Property

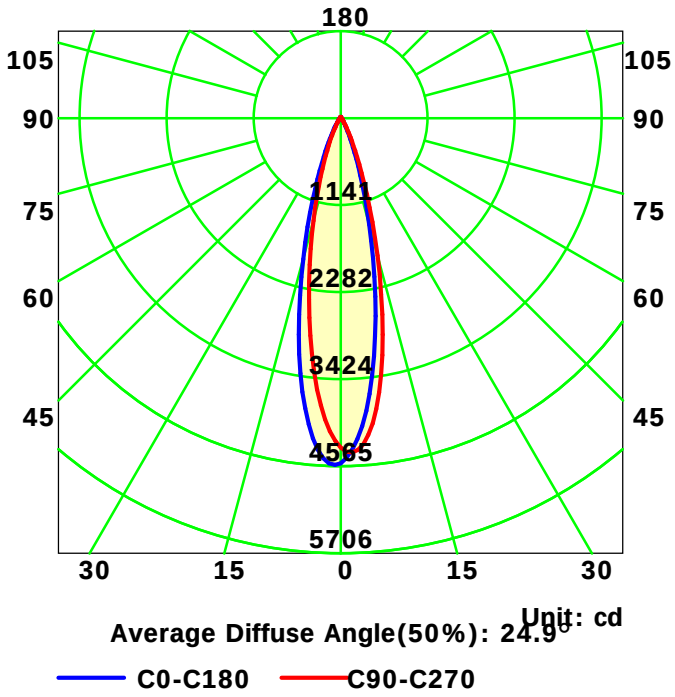
Luminaire Manufacturer:
Luminaire Category: Acolyte
Luminaire Description: Wall washer ATOM 0630 30 3000K 30 Angle
Luminous Length (mm): 600 **Luminous Width (mm): 25**
Luminous Height (mm): 45 **Voltage: 24.0 V**
Current: 0.476 A **Power: 11.42 W**
Power Factor: 1.000

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 1219.6 lm**
Measurement Flux: 1219.6 lm **Efficiency: 100%**
Downward Ratio: 94% **Upward Ratio: 6%**
Horizontal Diffuse Angle(10%,50%): H47.9,H24.9
Vertical Diffuse Angle(10%,50%): V47.9,V24.8
Luminaire Efficacy Rating (LER): 107 **Central Intensity: 4523.82 cd**
Max. Intensity: 4546.98 cd **Pos of Max. Intensity: H180 V1**

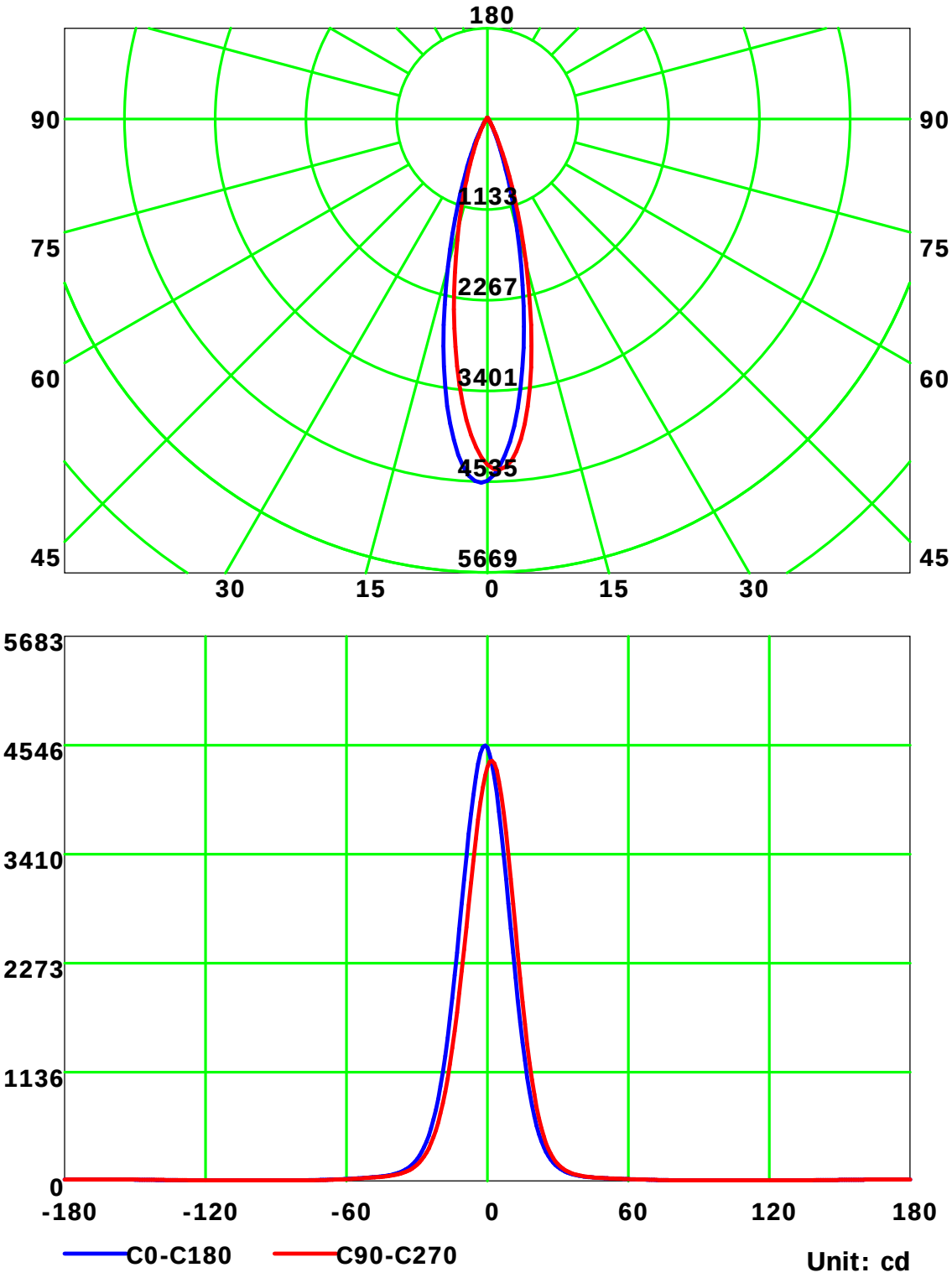
Picture Of Luminaire

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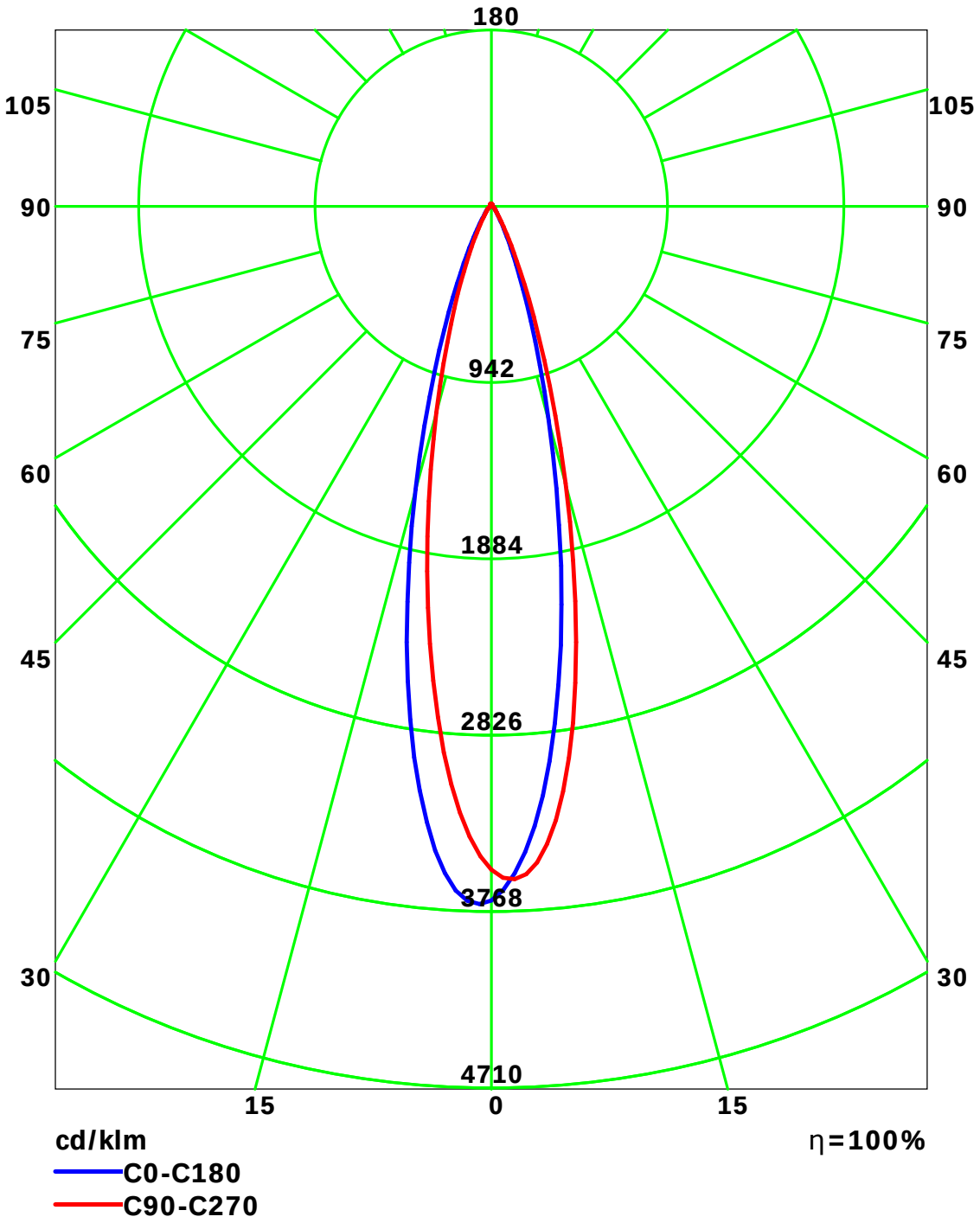
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

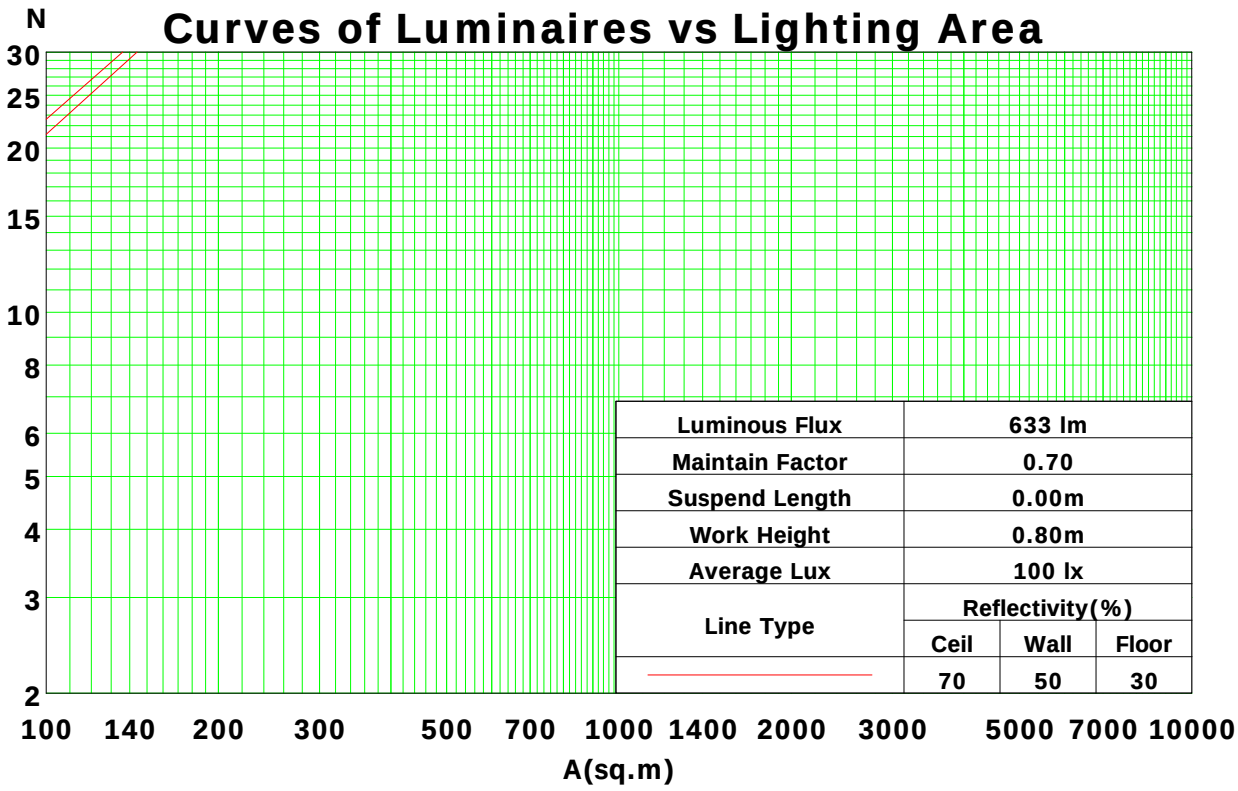
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	112	110	107	105	109	107	105	103	102	100	99	97	96	95	93	92	91	89
2	107	103	99	96	105	101	97	94	97	94	91	93	91	89	89	87	86	84
3	103	97	93	89	100	95	91	88	92	89	86	89	86	84	86	84	82	80
4	99	92	87	84	97	91	86	83	88	84	81	85	82	80	83	80	78	77
5	95	88	83	79	93	87	82	79	84	80	77	82	79	76	80	77	75	74
6	92	84	79	75	90	83	78	75	81	77	74	79	76	73	77	74	72	71
7	88	81	76	72	87	80	75	72	78	74	71	76	73	70	75	72	70	68
8	85	78	73	69	84	77	72	69	75	71	68	74	70	68	73	69	67	66
9	83	75	70	67	81	74	70	66	73	69	66	72	68	65	70	67	65	64
10	80	72	68	64	79	72	67	64	71	67	64	69	66	63	68	65	63	62

Spacing Criteria (0-180): 0.42
Spacing Criteria (90-270): 0.42
Spacing Criteria (Diagonal): 0.43

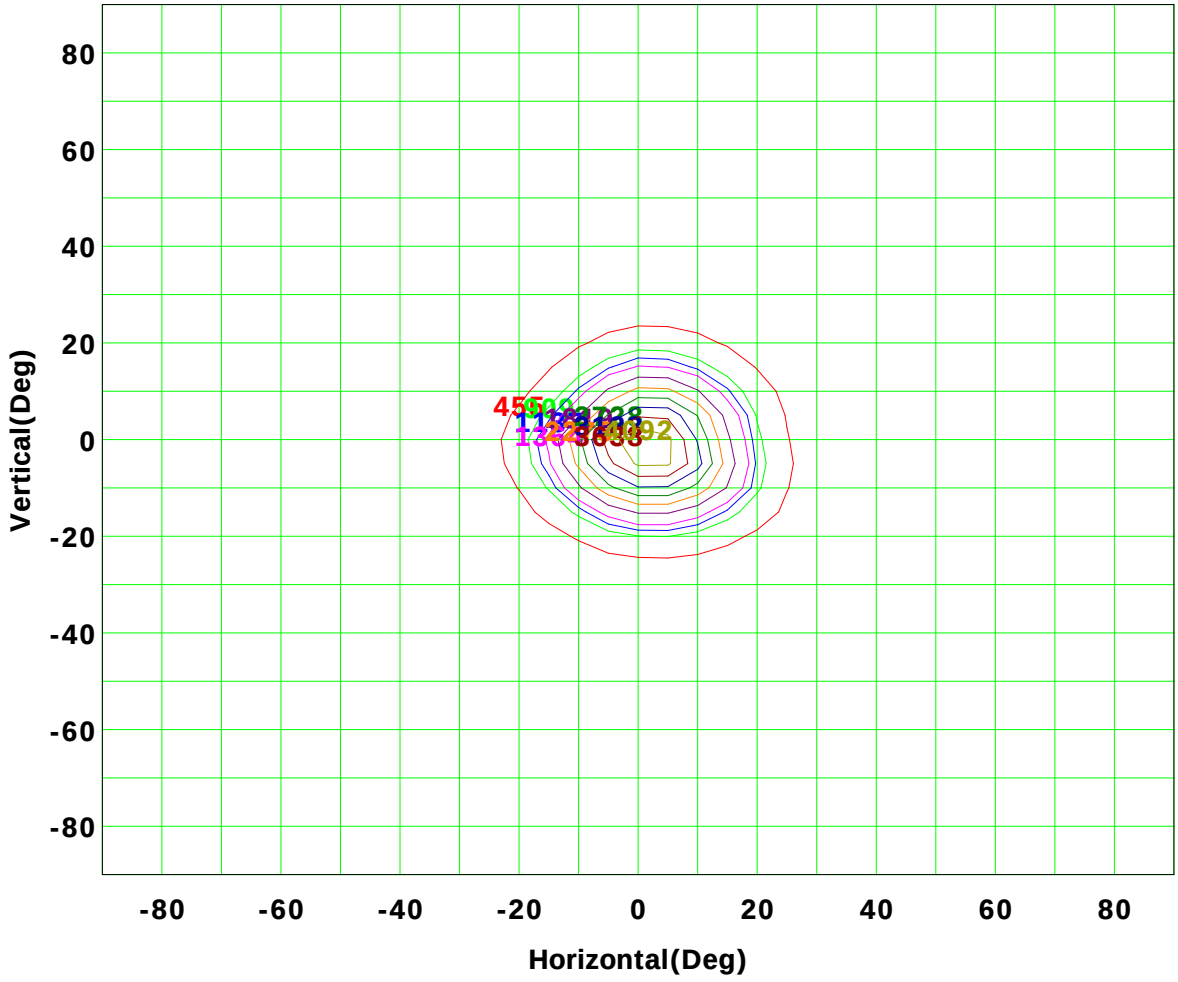
Curves of Luminaires vs Lighting Area



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)



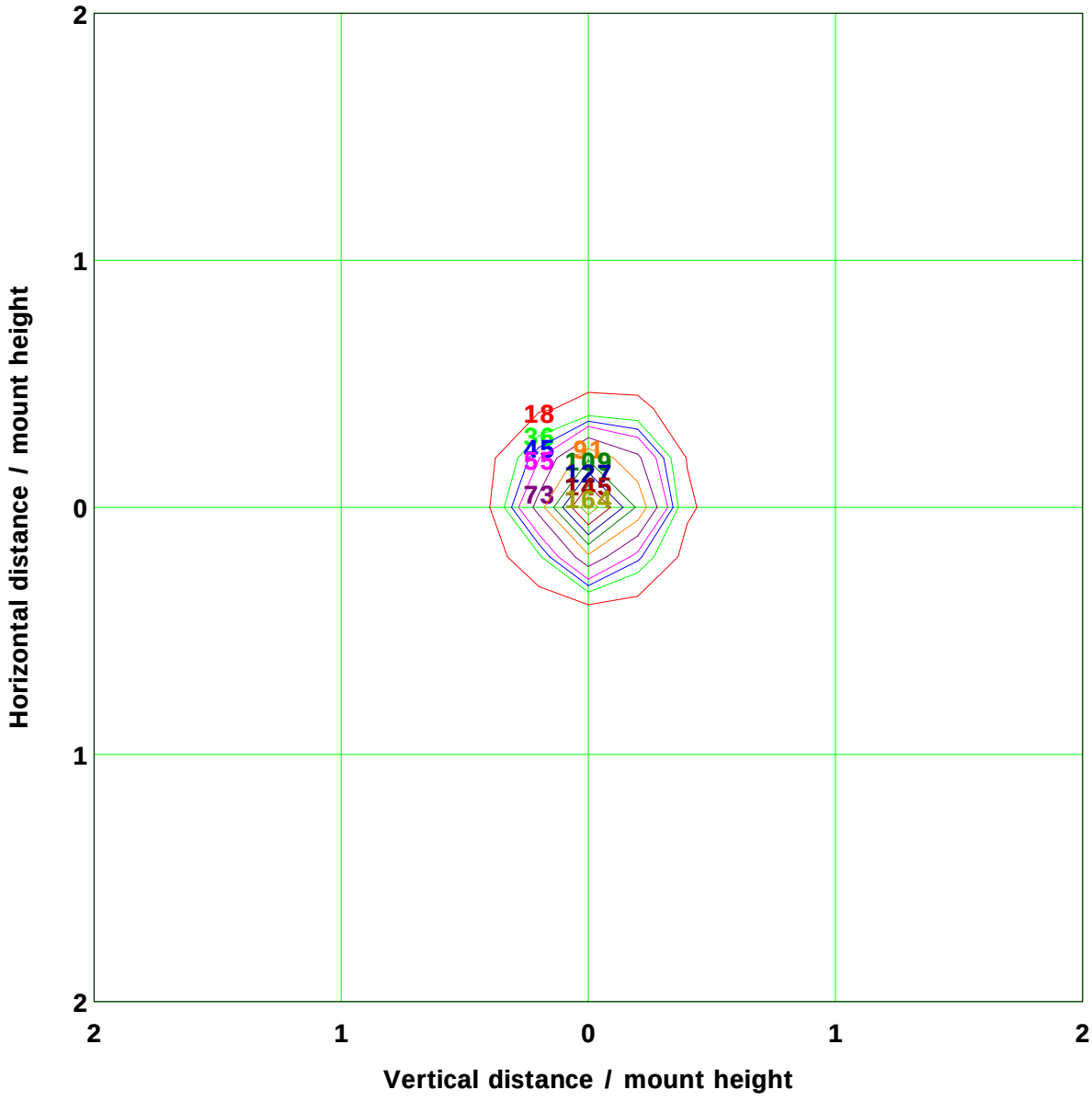
Imax (100%): 4547 cd

(10%): 455 cd	(20%): 909 cd
(25%): 1137 cd	(30%): 1364 cd
(40%): 1819 cd	(50%): 2273 cd
(60%): 2728 cd	(70%): 3183 cd
(80%): 3638 cd	(90%): 4092 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%): 181.8 lx

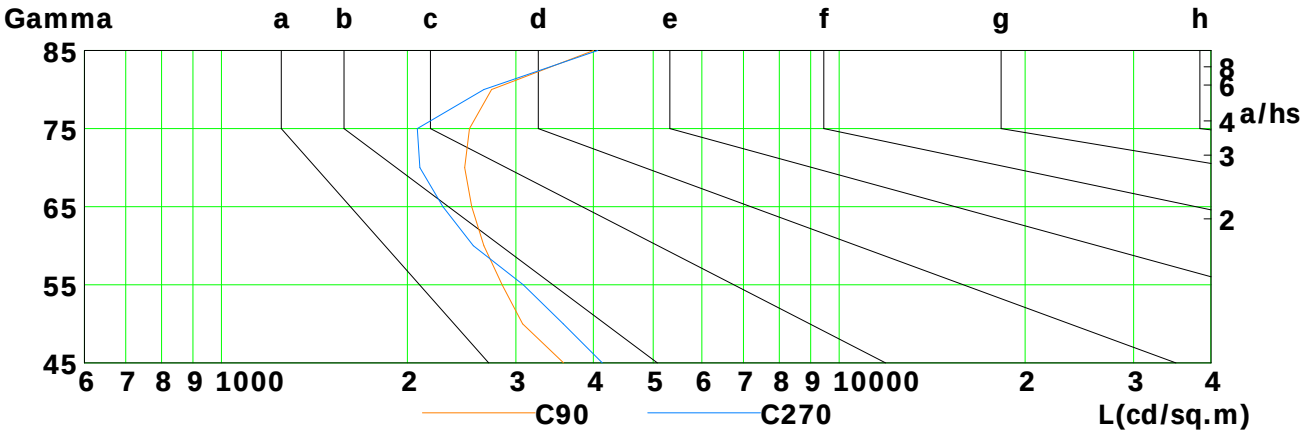
(10%): 18.2 lx
(20%): 36.4 lx
(25%): 45.4 lx
(30%): 54.5 lx
(40%): 72.7 lx
(50%): 90.9 lx
(60%): 109.1 lx
(70%): 127.3 lx
(80%): 145.4 lx
(90%): 163.6 lx

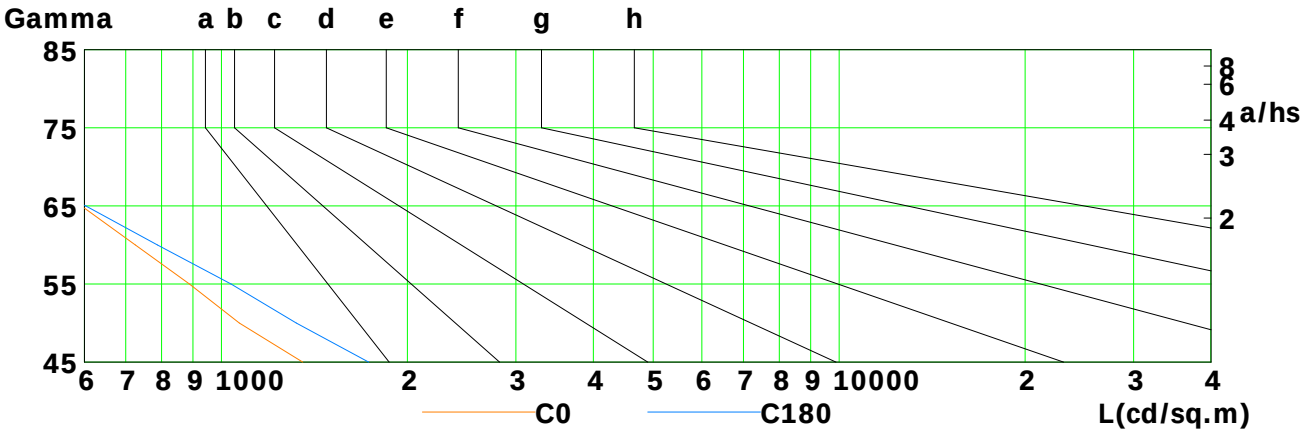
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



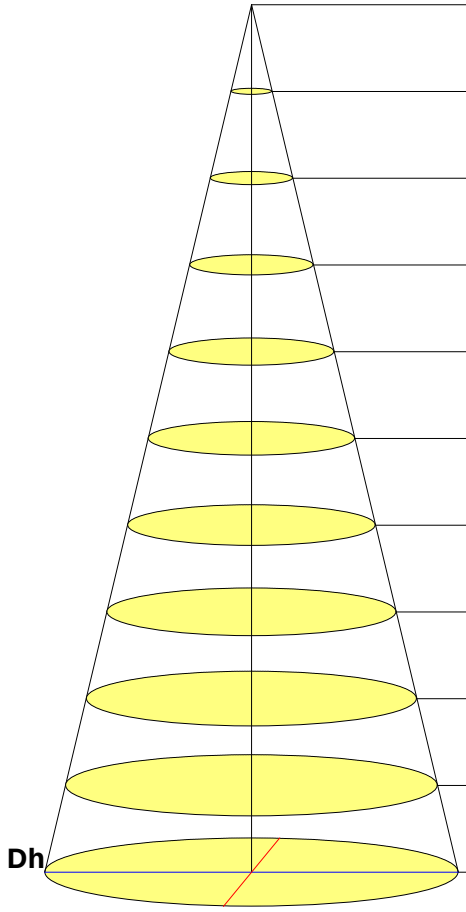


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1355	1069	888	726	593	488	409	348	345
C90	3582	3074	2848	2662	2544	2478	2522	2739	4007
C180	1732	1322	1036	788	603	493	404	344	335
C270	4138	3579	3080	2557	2284	2096	2077	2661	4069

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



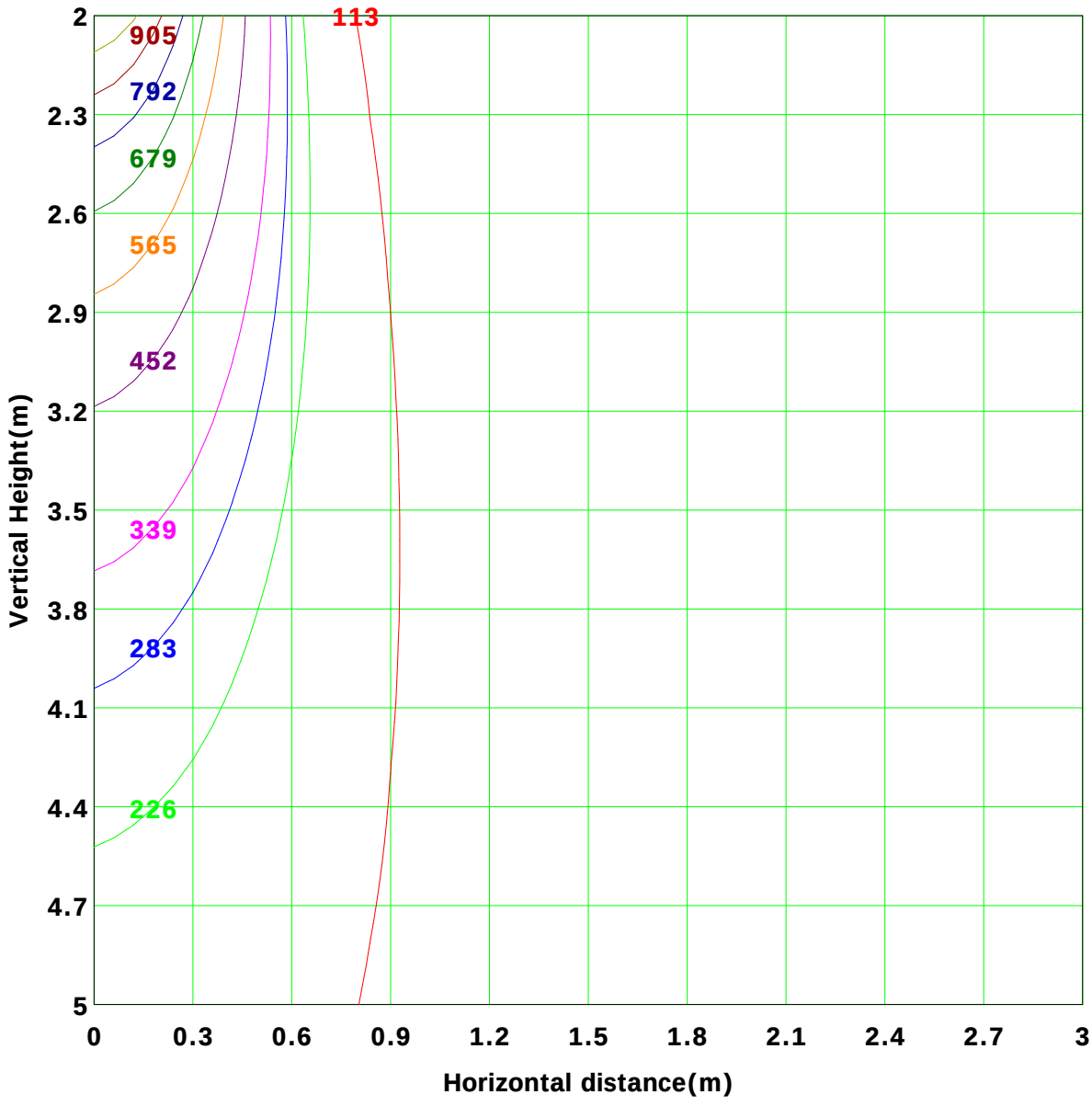
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	4523.82	0.44/0.44	0.2	2758.41
2.0	1130.95	0.88/0.88	0.6	689.60
3.0	502.65	1.33/1.32	1.4	306.49
4.0	282.74	1.77/1.76	2.5	172.40
5.0	180.95	2.21/2.20	3.9	110.34
6.0	125.66	2.65/2.64	5.6	76.62
7.0	92.32	3.10/3.08	7.7	56.29
8.0	70.68	3.54/3.52	10.0	43.10
9.0	55.85	3.98/3.96	12.7	34.05
10.0	45.24	4.42/4.40	15.6	27.58

Beam Angle(B): H24.9 V24.8 Field Angle(F): H47.9 V47.9

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: 1131.0 lx

(10%): 113.1 lx	(20%): 226.2 lx
(25%): 282.7 lx	(30%): 339.3 lx
(40%): 452.4 lx	(50%): 565.5 lx
(60%): 678.6 lx	(70%): 791.7 lx
(80%): 904.8 lx	(90%):1017.9 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 \ 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	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	3.4	0.0
-80	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	3.6	0.0
-70	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.0	4.8	0.0
-60	0.0	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.7	0.6	0.5	0.3	0.2	0.1	0.1	0.0	7.3	0.0
-50	0.0	0.1	0.2	0.3	0.5	0.8	1.1	1.3	1.5	1.4	1.2	0.9	0.6	0.4	0.3	0.2	0.1	0.0	10.9	0.0
-40	0.0	0.1	0.2	0.4	0.7	1.1	1.7	2.5	3.1	2.8	2.0	1.3	0.9	0.5	0.3	0.2	0.1	0.0	17.8	0.0
-30	0.0	0.1	0.2	0.5	0.9	1.5	3.2	7.0	10.9	9.5	4.8	2.1	1.1	0.7	0.4	0.2	0.1	0.0	43.2	7.8
-20	0.0	0.1	0.2	0.5	1.0	2.3	7.2	22.5	41.5	34.2	13.4	4.0	1.5	0.8	0.4	0.2	0.1	0.0	130.1	105.1
-10	0.0	0.1	0.2	0.6	1.1	3.1	12.8	49.1	100.9	83.2	32.2	7.8	2.0	0.9	0.5	0.2	0.1	0.0	294.9	274.5
0	0.0	0.1	0.2	0.6	1.2	3.4	15.3	60.4	116.9	101.1	39.4	8.6	2.1	0.9	0.5	0.2	0.1	0.0	351.0	331.9
10	0.0	0.1	0.2	0.5	1.1	2.8	10.8	33.1	56.7	46.9	18.6	5.0	1.6	0.8	0.5	0.2	0.1	0.0	179.0	156.7
20	0.0	0.1	0.2	0.5	0.9	1.8	4.3	9.0	13.4	11.2	5.5	2.3	1.2	0.7	0.4	0.2	0.1	0.0	51.9	15.8
30	0.0	0.1	0.2	0.4	0.7	1.1	1.8	2.6	3.1	2.8	1.9	1.3	0.9	0.6	0.4	0.2	0.1	0.0	18.2	0.0
40	0.0	0.1	0.2	0.3	0.6	0.8	1.0	1.2	1.3	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.1	0.0	10.5	0.0
50	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.0	7.6	0.0
60	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	5.5	0.0
70	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0	4.0	0.0
80	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	3.4	0.0
90																				
Flux(T)	0.5	1.5	3.2	6.2	10.9	21.6	62.7	192.7	353.4	298.3	123.8	37.5	15.3	8.8	5.5	3.1	1.5	0.5	1147	
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	25.4	166.1	328.6	273.4	94.2	4.0	0.0	0.0	0.0	0.0	0.0	0.0		892

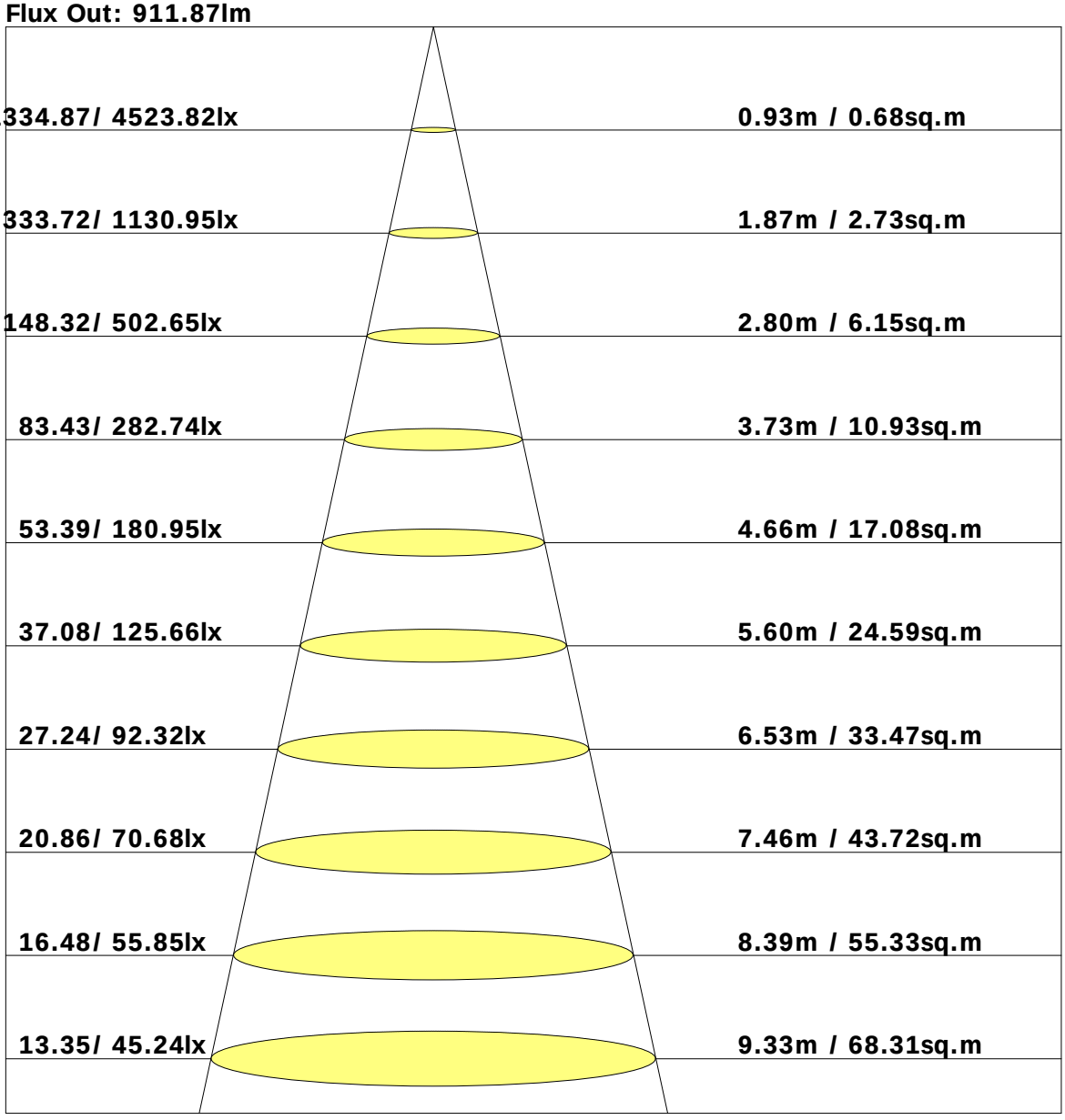
Horizontal plane: -90 … 90

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: 911.87lm



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	5.9	6.8	6.3	7.2	7.7	4.1	5.1	4.6	5.5	6.0
3H	7.7	8.5	8.1	8.9	9.5	5.5	6.3	6.0	6.8	7.3
4H	8.5	9.3	9.0	9.8	10.3	6.0	6.8	6.5	7.2	7.8
6H	9.4	10.1	9.9	10.6	11.1	6.4	7.1	6.9	7.6	8.2
8H	9.9	10.6	10.5	11.1	11.6	6.6	7.3	7.2	7.8	8.3
12H	10.6	11.2	11.1	11.7	12.3	6.8	7.5	7.4	8.0	8.5
X=4H Y=2H	6.0	6.8	6.5	7.2	7.8	4.7	5.5	5.2	5.9	6.5
3H	7.9	8.6	8.4	9.1	9.6	6.2	6.9	6.7	7.4	7.9
4H	8.9	9.4	9.4	10.0	10.6	6.9	7.4	7.4	8.0	8.5
6H	9.9	10.4	10.5	11.0	11.6	7.4	7.9	8.0	8.5	9.1
8H	10.5	11.0	11.1	11.5	12.1	7.7	8.1	8.2	8.7	9.3
12H	11.3	11.7	11.9	12.3	12.9	8.0	8.4	8.6	9.0	9.6
X=8H Y=4H	8.9	9.4	9.5	9.9	10.5	7.2	7.6	7.7	8.2	8.8
6H	10.1	10.4	10.7	11.0	11.7	7.9	8.3	8.5	8.9	9.5
8H	10.8	11.1	11.4	11.7	12.3	8.3	8.6	8.9	9.2	9.8
12H	11.7	12.0	12.3	12.6	13.3	8.7	9.0	9.3	9.6	10.3
X=12H Y=4H	8.9	9.3	9.5	9.9	10.5	7.2	7.6	7.8	8.2	8.8
6H	10.1	10.4	10.7	11.0	11.7	8.0	8.3	8.6	8.9	9.6
8H	10.8	11.1	11.5	11.7	12.4	8.5	8.7	9.1	9.3	10.0

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 = 0.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.86	0.92	0.96	0.98	1.02	1.05	1.07	1.09	1.10
	0.30		0.82	0.87	0.91	0.94	0.99	1.02	1.04	1.06	1.08
	0.20		0.78	0.84	0.88	0.91	0.96	0.99	1.01	1.04	1.06
0.50	0.50	0.20	0.84	0.89	0.93	0.95	0.98	1.01	1.02	1.04	1.05
	0.30		0.80	0.86	0.89	0.92	0.96	0.98	1.00	1.02	1.04
	0.20		0.77	0.83	0.87	0.89	0.93	0.96	0.98	1.00	1.02
0.30	0.50	0.20	0.83	0.87	0.90	0.92	0.95	0.97	0.98	0.99	1.00
	0.30		0.79	0.84	0.87	0.90	0.93	0.95	0.96	0.98	0.99
	0.20		0.77	0.82	0.85	0.87	0.91	0.93	0.95	0.97	0.98
0.00	0.00	0.00	0.75	0.79	0.82	0.84	0.87	0.88	0.90	0.91	0.92

Rating:11W 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 = 0.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.56	0.46	0.39	0.34	0.27	0.23	0.20	0.15	0.13
	0.30		0.47	0.40	0.34	0.30	0.25	0.21	0.18	0.14	0.12
	0.20		0.40	0.35	0.30	0.27	0.23	0.19	0.17	0.14	0.11
0.50	0.50	0.20	0.53	0.43	0.36	0.31	0.25	0.25	0.18	0.14	0.11
	0.30		0.44	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11
	0.20		0.39	0.33	0.29	0.25	0.21	0.18	0.16	0.12	0.10
0.30	0.50	0.20	0.49	0.39	0.33	0.29	0.22	0.19	0.16	0.12	0.10
	0.30		0.42	0.35	0.30	0.26	0.21	0.17	0.15	0.12	0.10
	0.20		0.37	0.31	0.27	0.24	0.19	0.16	0.14	0.11	0.09
0.00	0.00	0.00	0.22	0.18	0.15	0.13	0.10	0.08	0.07	0.06	0.05

Rating:11W 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 = 0.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.19	0.20	0.21	0.22	0.24	0.25	0.25	0.26	0.27
	0.30		0.15	0.17	0.18	0.19	0.21	0.22	0.23	0.25	0.25
	0.20		0.12	0.14	0.16	0.17	0.19	0.20	0.21	0.23	0.24
0.50	0.50	0.20	0.18	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.26
	0.30		0.14	0.16	0.18	0.19	0.20	0.22	0.22	0.24	0.24
	0.20		0.12	0.14	0.15	0.17	0.18	0.20	0.21	0.22	0.23
0.30	0.50	0.20	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.25
	0.30		0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.23
0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06

Rating:11W 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	4359.2	4.2	4.2	0.34	0.34
1.0-2.0	4321.3	12.4	16.6	1.02	1.36
2.0-3.0	4246.5	20.3	36.9	1.67	3.02
3.0-4.0	4136.8	27.7	64.6	2.27	5.30
4.0-5.0	3995.0	34.4	99.0	2.82	8.11
5.0-6.0	3823.7	40.2	139.1	3.30	11.41
6.0-7.0	3627.5	45.0	184.2	3.69	15.10
7.0-8.0	3411.9	48.8	233.0	4.00	19.11
8.0-9.0	3182.2	51.6	284.6	4.23	23.34
9.0-10.0	2942.8	53.3	337.9	4.37	27.70
10.0-11.0	2698.0	53.9	391.8	4.42	32.12
11.0-12.0	2452.0	53.6	445.4	4.40	36.52
12.0-13.0	2210.7	52.5	497.9	4.30	40.82
13.0-14.0	1979.5	50.7	548.5	4.16	44.98
14.0-15.0	1757.8	48.3	596.8	3.96	48.93
15.0-16.0	1550.6	45.4	642.2	3.73	52.66
16.0-17.0	1361.6	42.4	684.6	3.48	56.14
17.0-18.0	1187.1	39.1	723.8	3.21	59.35
18.0-19.0	1029.4	35.8	759.6	2.94	62.28
19.0-20.0	889.9	32.6	792.2	2.67	64.96
20.0-21.0	766.7	29.4	821.6	2.41	67.37
21.0-22.0	658.7	26.5	848.1	2.17	69.54
22.0-23.0	565.3	23.7	871.8	1.95	71.49
23.0-24.0	484.5	21.2	893.0	1.74	73.22
24.0-25.0	415.1	18.9	911.9	1.55	74.77
25.0-26.0	356.3	16.8	928.7	1.38	76.15
26.0-27.0	306.5	15.0	943.7	1.23	77.38
27.0-28.0	264.1	13.4	957.1	1.10	78.48
28.0-29.0	228.1	11.9	969.0	0.98	79.45
29.0-30.0	197.9	10.7	979.7	0.88	80.33
30.0-31.0	172.3	9.6	989.3	0.79	81.12
31.0-32.0	150.5	8.6	997.9	0.71	81.82
32.0-33.0	132.4	7.8	1005.7	0.64	82.46
33.0-34.0	117.1	7.1	1012.8	0.58	83.05
34.0-35.0	104.0	6.5	1019.2	0.53	83.57
35.0-36.0	93.1	5.9	1025.2	0.49	84.06

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	84.0	5.5	1030.7	0.45	84.51
37.0-38.0	76.3	5.1	1035.7	0.42	84.93
38.0-39.0	69.7	4.8	1040.5	0.39	85.32
39.0-40.0	64.1	4.5	1045.0	0.37	85.68
40.0-41.0	59.3	4.2	1049.2	0.35	86.03
41.0-42.0	55.2	4.0	1053.2	0.33	86.36
42.0-43.0	51.6	3.8	1057.0	0.31	86.67
43.0-44.0	48.6	3.7	1060.7	0.30	86.97
44.0-45.0	46.0	3.5	1064.2	0.29	87.26
45.0-46.0	43.6	3.4	1067.6	0.28	87.54
46.0-47.0	41.5	3.3	1070.9	0.27	87.81
47.0-48.0	39.7	3.2	1074.1	0.26	88.08
48.0-49.0	38.0	3.1	1077.3	0.26	88.33
49.0-50.0	36.4	3.0	1080.3	0.25	88.58
50.0-51.0	34.9	3.0	1083.2	0.24	88.82
51.0-52.0	33.5	2.9	1086.1	0.24	89.06
52.0-53.0	32.1	2.8	1088.9	0.23	89.29
53.0-54.0	30.8	2.7	1091.6	0.22	89.51
54.0-55.0	29.5	2.6	1094.3	0.22	89.73
55.0-56.0	28.3	2.6	1096.8	0.21	89.94
56.0-57.0	27.0	2.5	1099.3	0.20	90.14
57.0-58.0	25.8	2.4	1101.7	0.20	90.34
58.0-59.0	24.6	2.3	1104.0	0.19	90.52
59.0-60.0	23.5	2.2	1106.2	0.18	90.71
60.0-61.0	22.4	2.1	1108.3	0.18	90.88
61.0-62.0	21.4	2.1	1110.4	0.17	91.05
62.0-63.0	20.4	2.0	1112.4	0.16	91.21
63.0-64.0	19.5	1.9	1114.3	0.16	91.37
64.0-65.0	18.6	1.8	1116.1	0.15	91.52
65.0-66.0	17.8	1.8	1117.9	0.15	91.67
66.0-67.0	17.0	1.7	1119.6	0.14	91.81
67.0-68.0	16.3	1.7	1121.3	0.14	91.94
68.0-69.0	15.6	1.6	1122.9	0.13	92.07
69.0-70.0	15.0	1.5	1124.4	0.13	92.20
70.0-71.0	14.3	1.5	1125.9	0.12	92.32
71.0-72.0	13.8	1.4	1127.3	0.12	92.44

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	13.1	1.4	1128.7	0.11	92.55
73.0-74.0	12.5	1.3	1130.0	0.11	92.66
74.0-75.0	12.0	1.3	1131.3	0.10	92.76
75.0-76.0	11.6	1.2	1132.5	0.10	92.86
76.0-77.0	11.1	1.2	1133.7	0.10	92.96
77.0-78.0	10.7	1.1	1134.8	0.09	93.05
78.0-79.0	10.4	1.1	1136.0	0.09	93.15
79.0-80.0	10.2	1.1	1137.1	0.09	93.24
80.0-81.0	10.0	1.1	1138.2	0.09	93.33
81.0-82.0	9.9	1.1	1139.2	0.09	93.41
82.0-83.0	9.8	1.1	1140.3	0.09	93.50
83.0-84.0	9.7	1.1	1141.3	0.09	93.59
84.0-85.0	9.7	1.1	1142.4	0.09	93.67
85.0-86.0	9.7	1.1	1143.5	0.09	93.76
86.0-87.0	9.6	1.1	1144.5	0.09	93.85
87.0-88.0	9.6	1.0	1145.6	0.09	93.93
88.0-89.0	9.6	1.1	1146.6	0.09	94.02
89.0-90.0	9.6	1.1	1147.7	0.09	94.11
90.0-91.0	9.6	1.0	1148.7	0.09	94.19
91.0-92.0	9.6	1.0	1149.8	0.09	94.28
92.0-93.0	9.6	1.1	1150.8	0.09	94.36
93.0-94.0	9.6	1.0	1151.9	0.09	94.45
94.0-95.0	9.6	1.0	1152.9	0.09	94.54
95.0-96.0	9.6	1.0	1154.0	0.09	94.62
96.0-97.0	9.6	1.0	1155.0	0.09	94.71
97.0-98.0	9.6	1.0	1156.0	0.09	94.79
98.0-99.0	9.6	1.0	1157.1	0.09	94.88
99.0-100.0	9.6	1.0	1158.1	0.09	94.96
100.0-101.0	9.7	1.0	1159.2	0.09	95.05
101.0-102.0	9.7	1.0	1160.2	0.09	95.13
102.0-103.0	9.7	1.0	1161.3	0.08	95.22
103.0-104.0	9.7	1.0	1162.3	0.08	95.30
104.0-105.0	9.6	1.0	1163.3	0.08	95.39
105.0-106.0	9.7	1.0	1164.3	0.08	95.47
106.0-107.0	9.7	1.0	1165.4	0.08	95.56
107.0-108.0	9.7	1.0	1166.4	0.08	95.64

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	9.7	1.0	1167.4	0.08	95.72
109.0-110.0	9.8	1.0	1168.4	0.08	95.80
110.0-111.0	9.8	1.0	1169.4	0.08	95.89
111.0-112.0	9.8	1.0	1170.4	0.08	95.97
112.0-113.0	9.8	1.0	1171.4	0.08	96.05
113.0-114.0	9.9	1.0	1172.4	0.08	96.13
114.0-115.0	9.9	1.0	1173.4	0.08	96.21
115.0-116.0	9.9	1.0	1174.4	0.08	96.29
116.0-117.0	9.9	1.0	1175.3	0.08	96.37
117.0-118.0	10.0	1.0	1176.3	0.08	96.45
118.0-119.0	10.0	1.0	1177.3	0.08	96.53
119.0-120.0	10.0	1.0	1178.2	0.08	96.61
120.0-121.0	10.1	1.0	1179.2	0.08	96.69
121.0-122.0	10.1	0.9	1180.1	0.08	96.77
122.0-123.0	10.2	0.9	1181.1	0.08	96.84
123.0-124.0	10.3	0.9	1182.0	0.08	96.92
124.0-125.0	10.3	0.9	1182.9	0.08	97.00
125.0-126.0	10.4	0.9	1183.9	0.08	97.07
126.0-127.0	10.5	0.9	1184.8	0.08	97.15
127.0-128.0	10.6	0.9	1185.7	0.08	97.22
128.0-129.0	10.7	0.9	1186.6	0.08	97.30
129.0-130.0	10.8	0.9	1187.5	0.07	97.37
130.0-131.0	10.8	0.9	1188.4	0.07	97.45
131.0-132.0	11.0	0.9	1189.3	0.07	97.52
132.0-133.0	11.2	0.9	1190.2	0.07	97.60
133.0-134.0	11.4	0.9	1191.1	0.07	97.67
134.0-135.0	11.5	0.9	1192.0	0.07	97.74
135.0-136.0	11.7	0.9	1192.9	0.07	97.82
136.0-137.0	11.9	0.9	1193.8	0.07	97.89
137.0-138.0	12.2	0.9	1194.7	0.07	97.97
138.0-139.0	12.4	0.9	1195.6	0.07	98.04
139.0-140.0	12.6	0.9	1196.5	0.07	98.11
140.0-141.0	12.8	0.9	1197.4	0.07	98.19
141.0-142.0	13.0	0.9	1198.3	0.07	98.26
142.0-143.0	13.2	0.9	1199.2	0.07	98.33
143.0-144.0	13.6	0.9	1200.1	0.07	98.40

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	13.8	0.9	1201.0	0.07	98.48
145.0-146.0	14.1	0.9	1201.8	0.07	98.55
146.0-147.0	14.3	0.9	1202.7	0.07	98.62
147.0-148.0	14.6	0.9	1203.6	0.07	98.69
148.0-149.0	14.9	0.9	1204.4	0.07	98.76
149.0-150.0	15.1	0.8	1205.3	0.07	98.83
150.0-151.0	15.4	0.8	1206.1	0.07	98.90
151.0-152.0	15.6	0.8	1206.9	0.07	98.96
152.0-153.0	15.9	0.8	1207.7	0.07	99.03
153.0-154.0	16.1	0.8	1208.5	0.06	99.09
154.0-155.0	16.3	0.8	1209.3	0.06	99.16
155.0-156.0	16.5	0.8	1210.0	0.06	99.22
156.0-157.0	16.8	0.7	1210.8	0.06	99.28
157.0-158.0	17.0	0.7	1211.5	0.06	99.34
158.0-159.0	17.2	0.7	1212.2	0.06	99.39
159.0-160.0	17.3	0.7	1212.8	0.05	99.45
160.0-161.0	17.4	0.6	1213.5	0.05	99.50
161.0-162.0	17.5	0.6	1214.1	0.05	99.55
162.0-163.0	17.6	0.6	1214.6	0.05	99.60
163.0-164.0	17.7	0.6	1215.2	0.05	99.64
164.0-165.0	17.8	0.5	1215.7	0.04	99.69
165.0-166.0	17.9	0.5	1216.2	0.04	99.73
166.0-167.0	17.9	0.5	1216.7	0.04	99.76
167.0-168.0	17.9	0.4	1217.1	0.03	99.80
168.0-169.0	18.0	0.4	1217.5	0.03	99.83
169.0-170.0	18.0	0.4	1217.8	0.03	99.86
170.0-171.0	18.0	0.3	1218.2	0.03	99.89
171.0-172.0	17.9	0.3	1218.5	0.02	99.91
172.0-173.0	17.9	0.3	1218.7	0.02	99.93
173.0-174.0	17.9	0.2	1218.9	0.02	99.95
174.0-175.0	17.9	0.2	1219.1	0.02	99.96
175.0-176.0	17.9	0.2	1219.3	0.01	99.98
176.0-177.0	17.9	0.1	1219.4	0.01	99.99
177.0-178.0	17.9	0.1	1219.5	0.01	99.99
178.0-179.0	18.0	0.1	1219.5	0.00	100.00
179.0-180.0	18.0	0.0	1219.6	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: