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

Report No.: **Test Time: 2023/4/25 09:51**

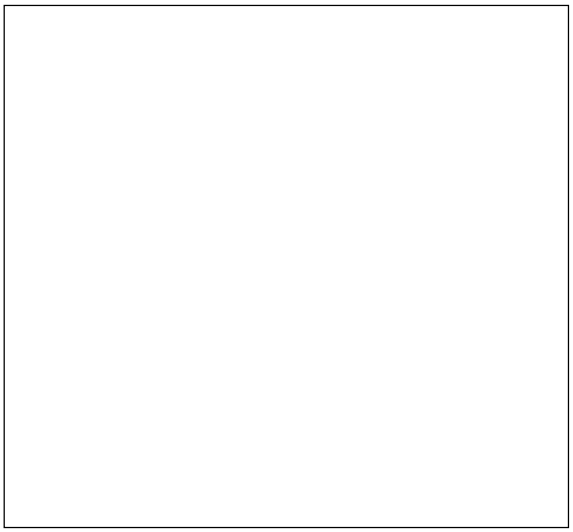
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Ribbonlyte
Luminaire Description: RB90SWX675.840A45
Lamp Catalog: Ribbon with optic **Lamp Description: 4000k**
Luminous Length (mm): 330 **Luminous Width (mm): 20.5**
Luminous Height (mm): 14 **Voltage: 24.0 V**
Current: 0.257 A **Power: 6.16 W**
Power Factor: 1.000

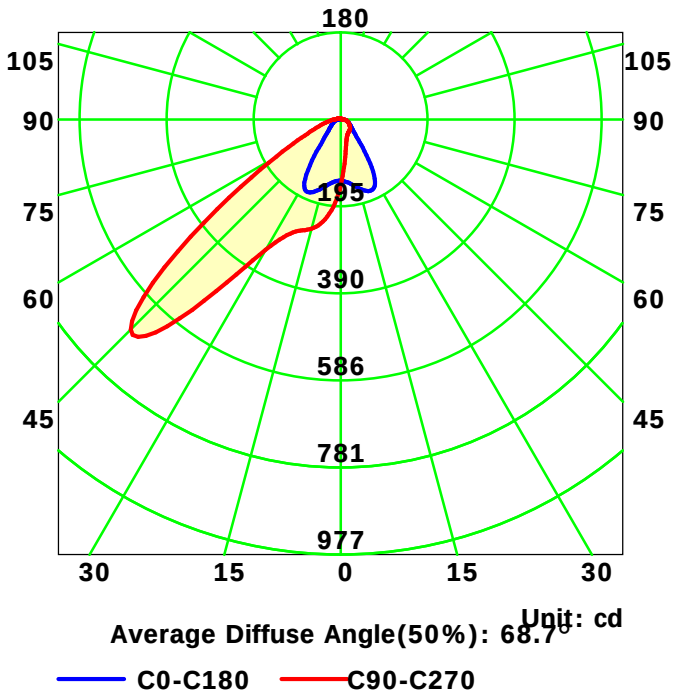
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 501.6 lm**
Measurement Flux: 501.6 lm **Efficiency: 100%**
Downward Ratio: 96% **Upward Ratio: 4%**
Horizontal Diffuse Angle(10%,50%): H140.2,H74.4
Vertical Diffuse Angle(10%,50%): V144.3,V63
Luminaire Efficacy Rating (LER): 81 **Central Intensity: 137.98 cd**
Max. Intensity: 672.54 cd **Pos of Max. Intensity: H270 V44**

Picture Of Luminaire

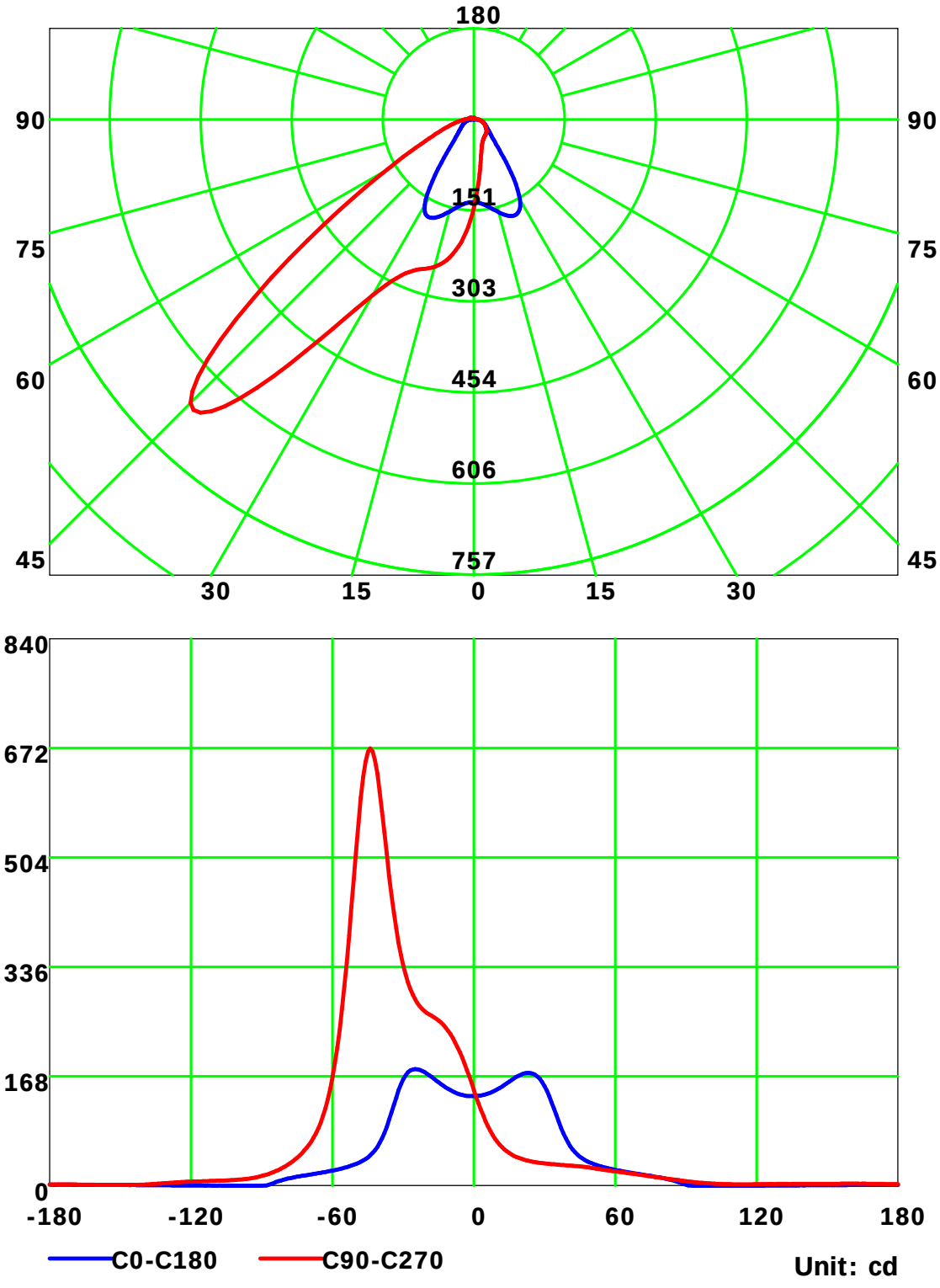


Luminous Intensity Distribution Curve



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:**

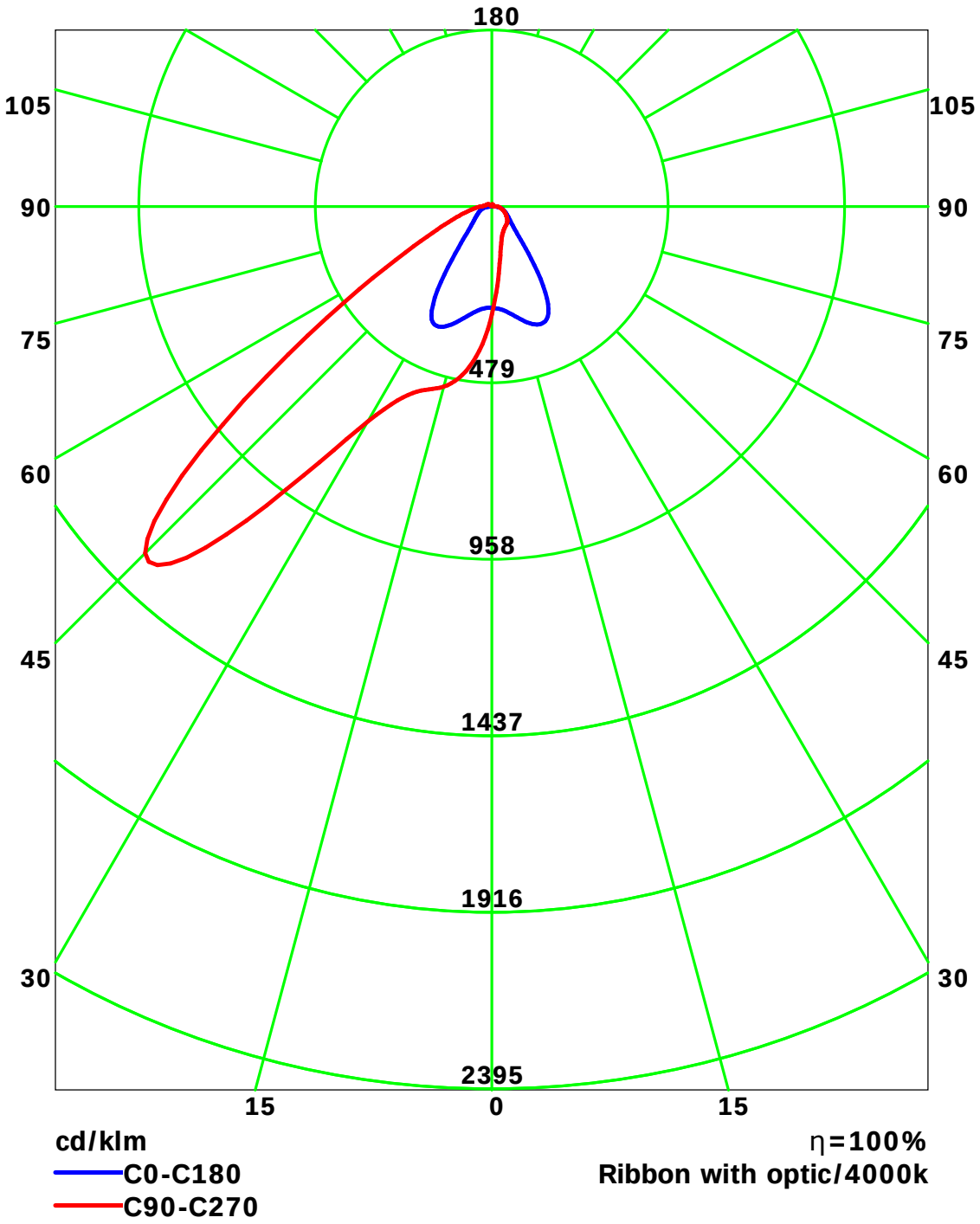
Luminous Intensity Distribution Curve



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

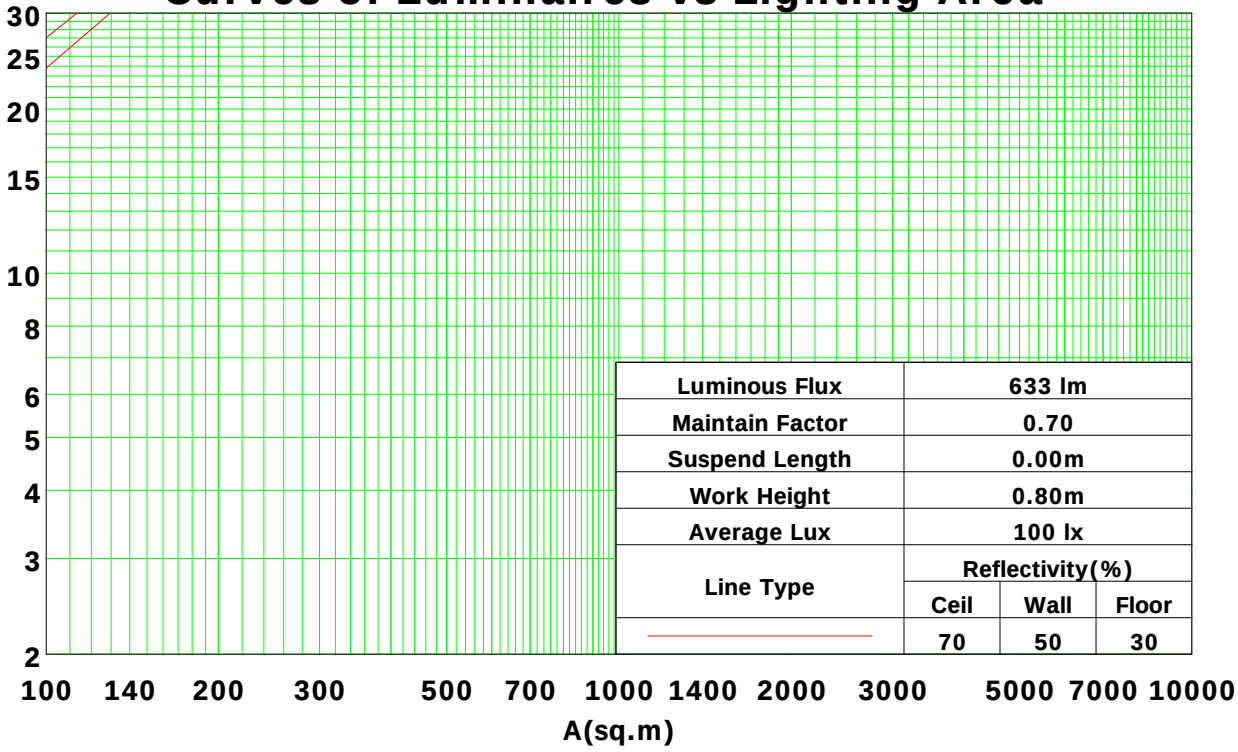
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	96
1	109	104	100	96	106	102	98	95	97	94	91	92	90	88	88	86	84	82
2	100	92	86	80	97	90	84	79	86	81	77	82	78	74	78	75	72	70
3	91	81	74	68	89	80	73	67	76	70	65	73	68	64	70	66	62	60
4	84	73	64	58	81	71	63	57	68	62	56	65	60	55	63	58	54	52
5	77	65	57	50	75	64	56	50	61	54	49	59	53	48	57	52	47	45
6	71	59	50	44	69	58	49	44	55	48	43	53	47	42	52	46	42	40
7	66	53	45	39	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	62	48	40	34	60	48	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.35
Spacing Criteria (90-270): 2.37
Spacing Criteria (Diagonal): 1.53

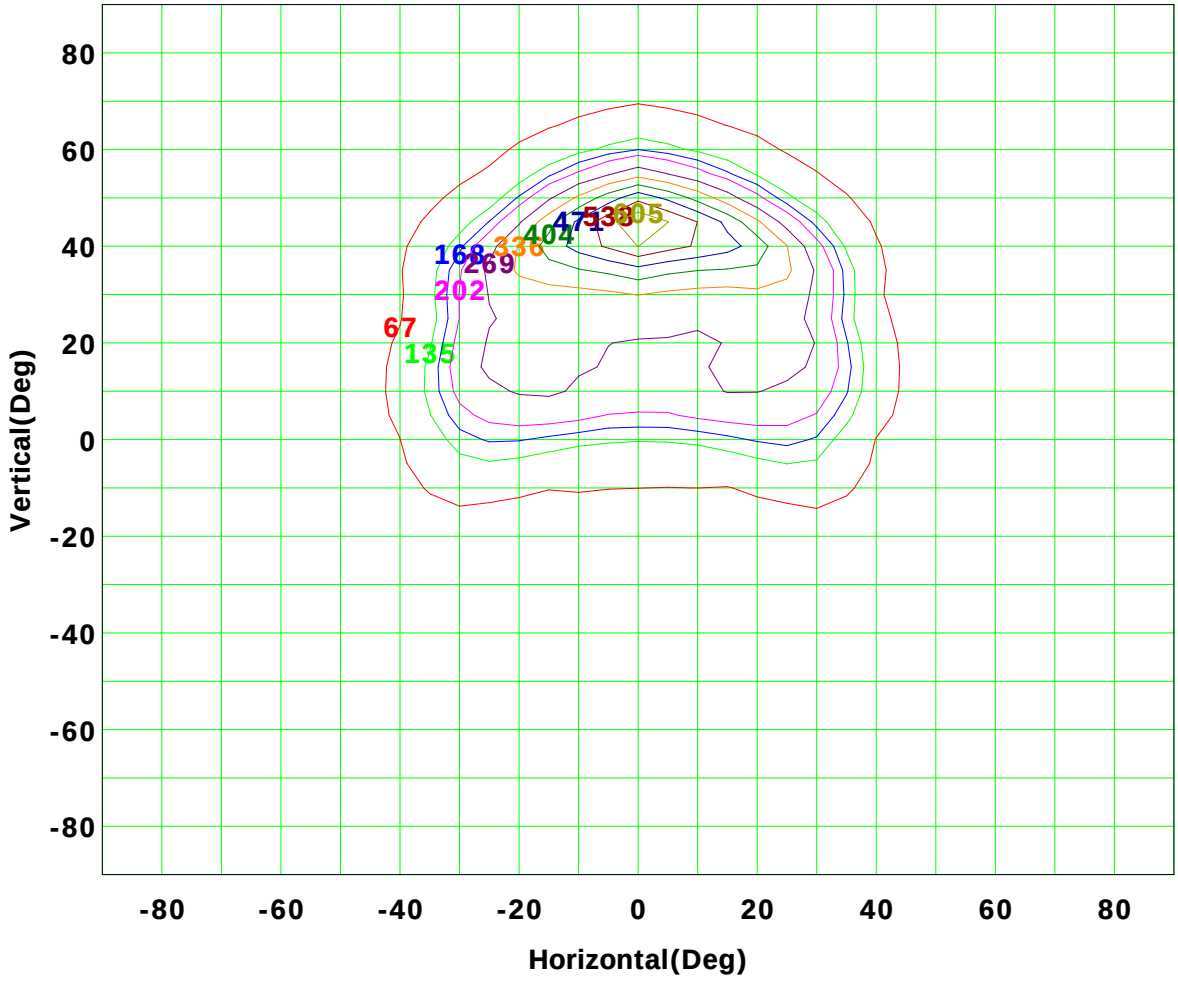
Curves of Luminaires vs Lighting Area



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)



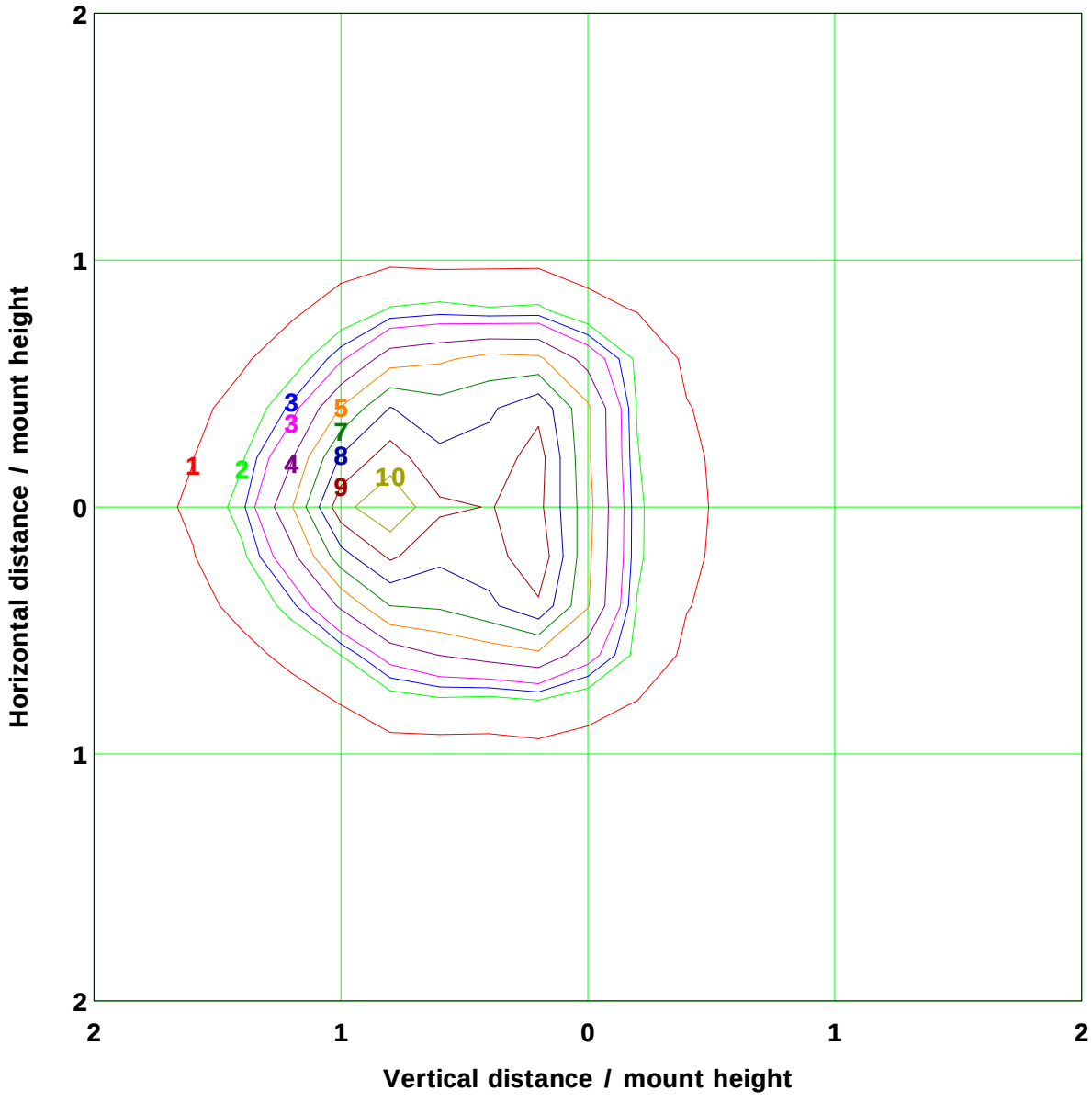
Imax (100%): 673 cd

(10%): 67 cd	(20%): 135 cd
(25%): 168 cd	(30%): 202 cd
(40%): 269 cd	(50%): 336 cd
(60%): 404 cd	(70%): 471 cd
(80%): 538 cd	(90%): 605 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%): 10.9 lx**

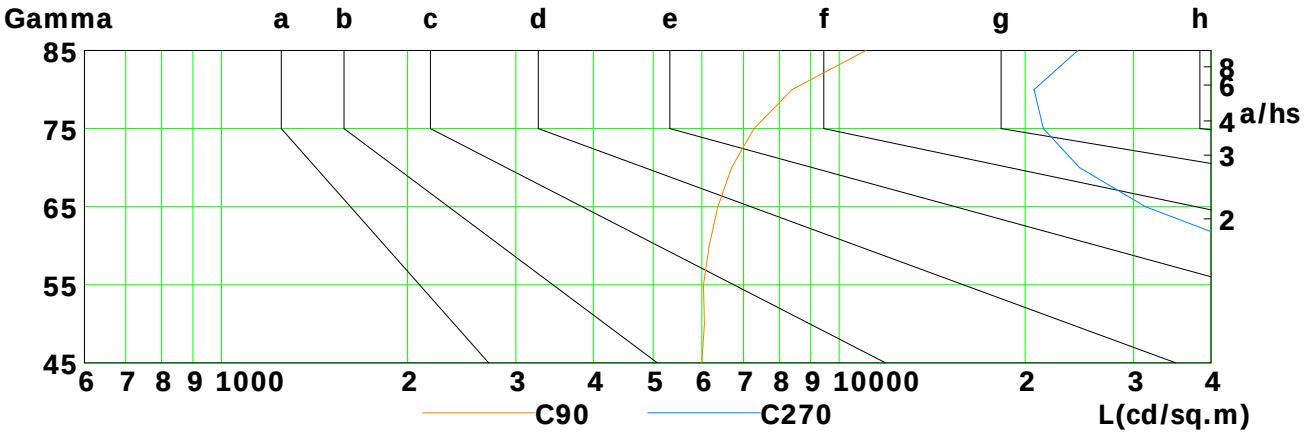
(10%):	1.1 lx	(20%):	2.2 lx
(25%):	2.7 lx	(30%):	3.3 lx
(40%):	4.4 lx	(50%):	5.5 lx
(60%):	6.5 lx	(70%):	7.6 lx
(80%):	8.7 lx	(90%):	9.8 lx

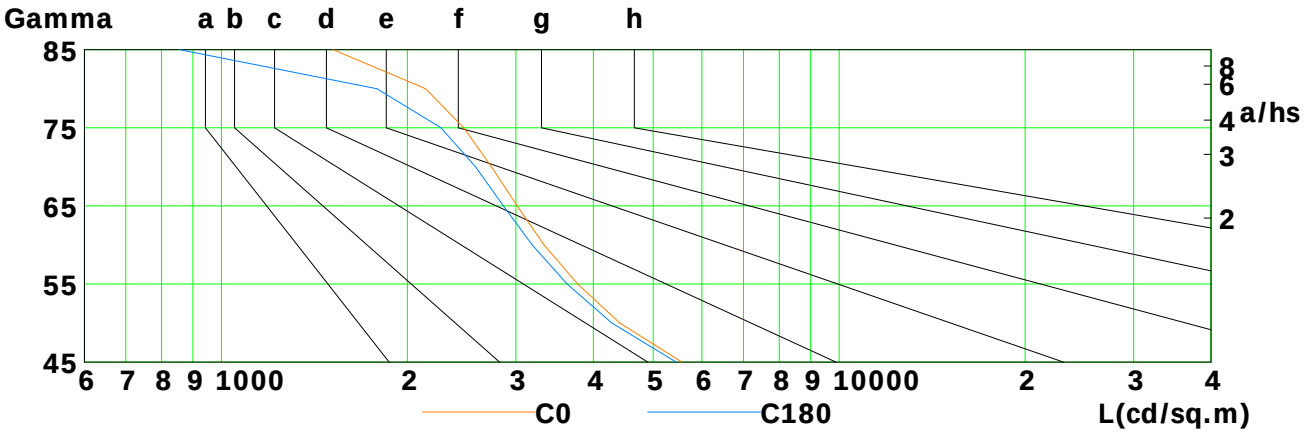
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



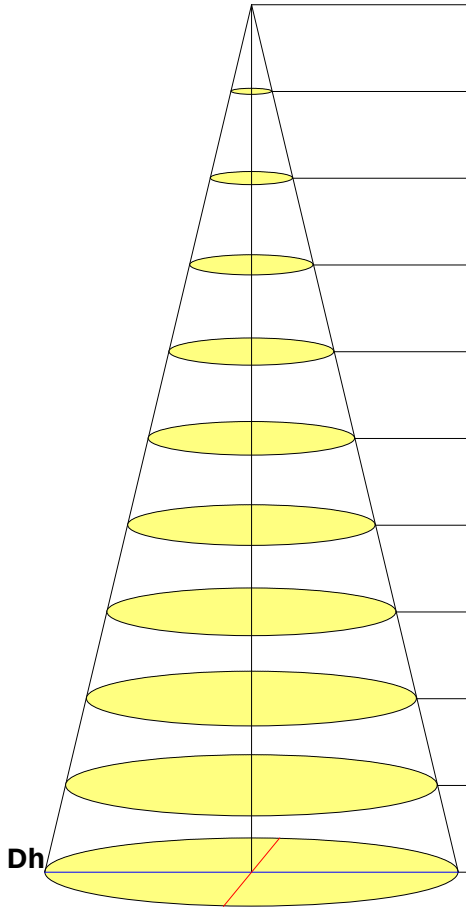


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5566	4417	3776	3330	3014	2739	2467	2142	1518
C90	5996	6053	6031	6164	6367	6700	7283	8392	11056
C180	5451	4290	3628	3188	2861	2578	2269	1787	857
C270	133839	113156	74497	46011	31336	24514	21429	20688	24374

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



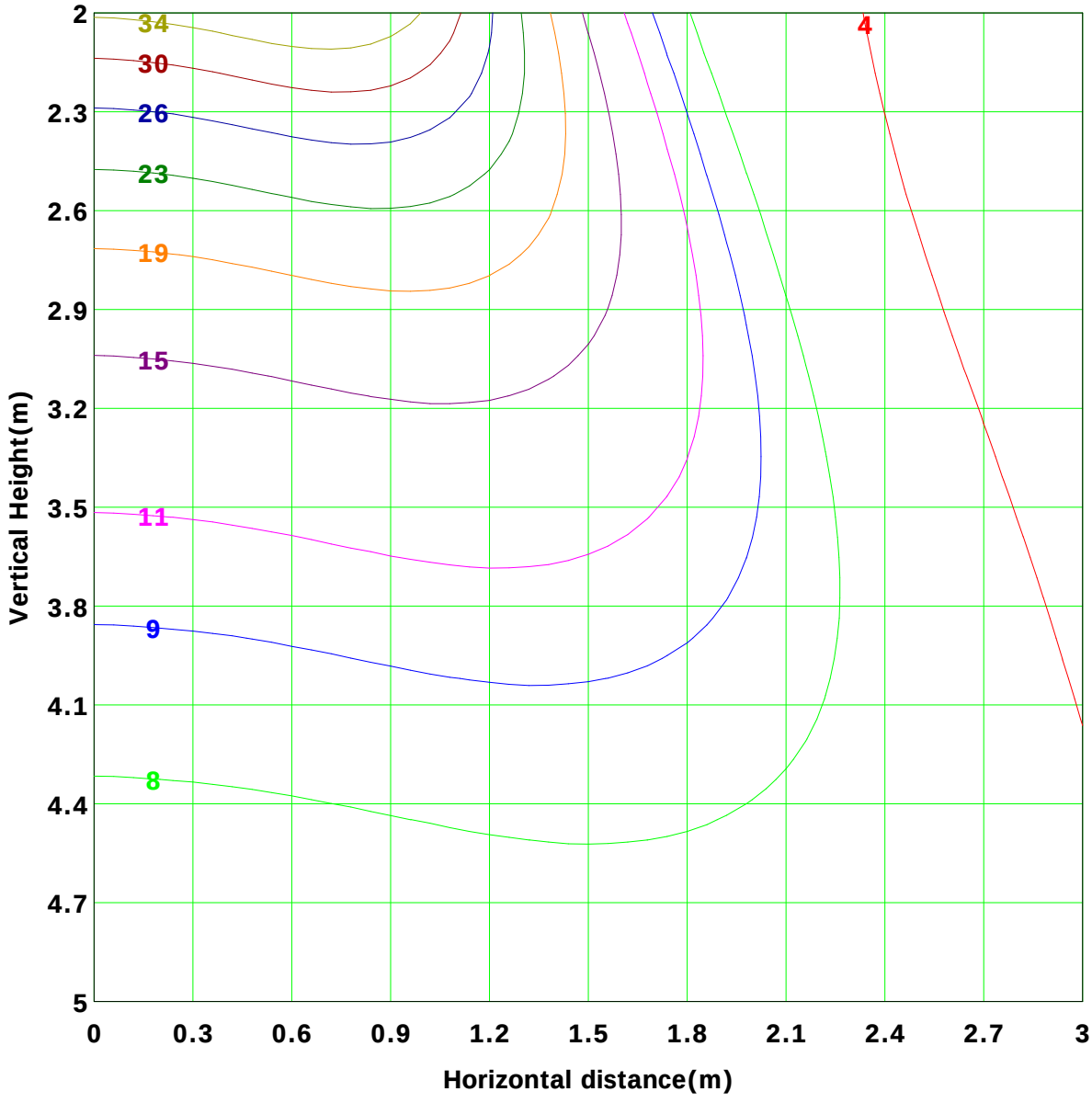
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	137.98	1.52/1.23	2.0	84.62
2.0	34.49	3.04/2.45	8.0	21.16
3.0	15.33	4.56/3.68	18.0	9.40
4.0	8.62	6.08/4.90	32.0	5.29
5.0	5.52	7.59/6.13	50.0	3.38
6.0	3.83	9.11/7.35	72.0	2.35
7.0	2.82	10.63/8.58	98.0	1.73
8.0	2.16	12.15/9.80	128.0	1.32
9.0	1.70	13.67/11.03	161.9	1.04
10.0	1.38	15.19/12.25	199.9	0.85

Beam Angle(B): H74.4 V63.0 Field Angle(F): H140.2 V144.3

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: 37.8 lx

(10%): 3.8 lx	(20%): 7.6 lx
(25%): 9.5 lx	(30%): 11.4 lx
(40%): 15.1 lx	(50%): 18.9 lx
(60%): 22.7 lx	(70%): 26.5 lx
(80%): 30.3 lx	(90%): 34.1 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	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	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
-80	0.0	1.5	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	0.1	0.1	0.0	0.0	0.0
-70	0.0	3.7	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-60	0.0	6.8	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2
-50	1.6	12.5	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.2	1.3	1.2	1.1	0.9	0.7	0.5	0.4	0.3	0.3
-40	21.2	29.6	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.4	1.6	2.4	3.6	4.1	3.9	2.5	1.4	0.9	0.6	0.4	0.4
-30	44.4	52.8	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.6	1.6	3.6	5.9	8.0	9.2	6.8	2.7	1.3	0.8	0.5	0.5
-20	56.9	65.9	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.6	1.6	3.2	6.4	8.2	11.8	12.7	5.4	2.0	1.0	0.6	0.6
-10	66.6	75.6	0.3	0.4	0.6	0.8	0.9	1.0	1.2	1.6	1.6	3.0	5.9	8.6	13.0	17.3	8.4	2.8	1.3	0.6	0.6
0	66.0	75.0	0.3	0.4	0.6	0.8	0.9	1.0	1.2	1.6	1.6	3.1	6.0	8.7	12.9	16.6	8.2	2.8	1.2	0.6	0.6
10	54.1	63.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.6	1.6	3.3	6.5	8.3	11.0	10.8	4.9	1.9	1.0	0.5	0.5
20	38.7	47.2	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.6	1.6	3.5	5.8	7.2	7.5	4.9	2.2	1.2	0.7	0.4	0.4
30	16.6	25.4	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.4	1.4	2.3	3.3	3.1	3.0	2.0	1.2	0.8	0.5	0.3	0.3
40	0.5	11.6	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8	1.0	1.1	1.0	0.9	0.8	0.7	0.5	0.4	0.3	0.3
50	0.0	6.6	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.2
60	0.0	3.7	0.1	0.1	0.2	0.2	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	0.1
70	0.0	1.7	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
80	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90		483	3.1	4.6	6.0	7.4	8.9	10.2	11.8	15.8	28.1	47.8	59.6	60.3	76.1	76.8	37.2	15.9	8.8	5.1	
Flux(T)	367		0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	23.9	44.2	56.2	56.5	72.4	72.8	31.4	7.2	0.0	0.0	
Flux(E)																					

Horizontal plane

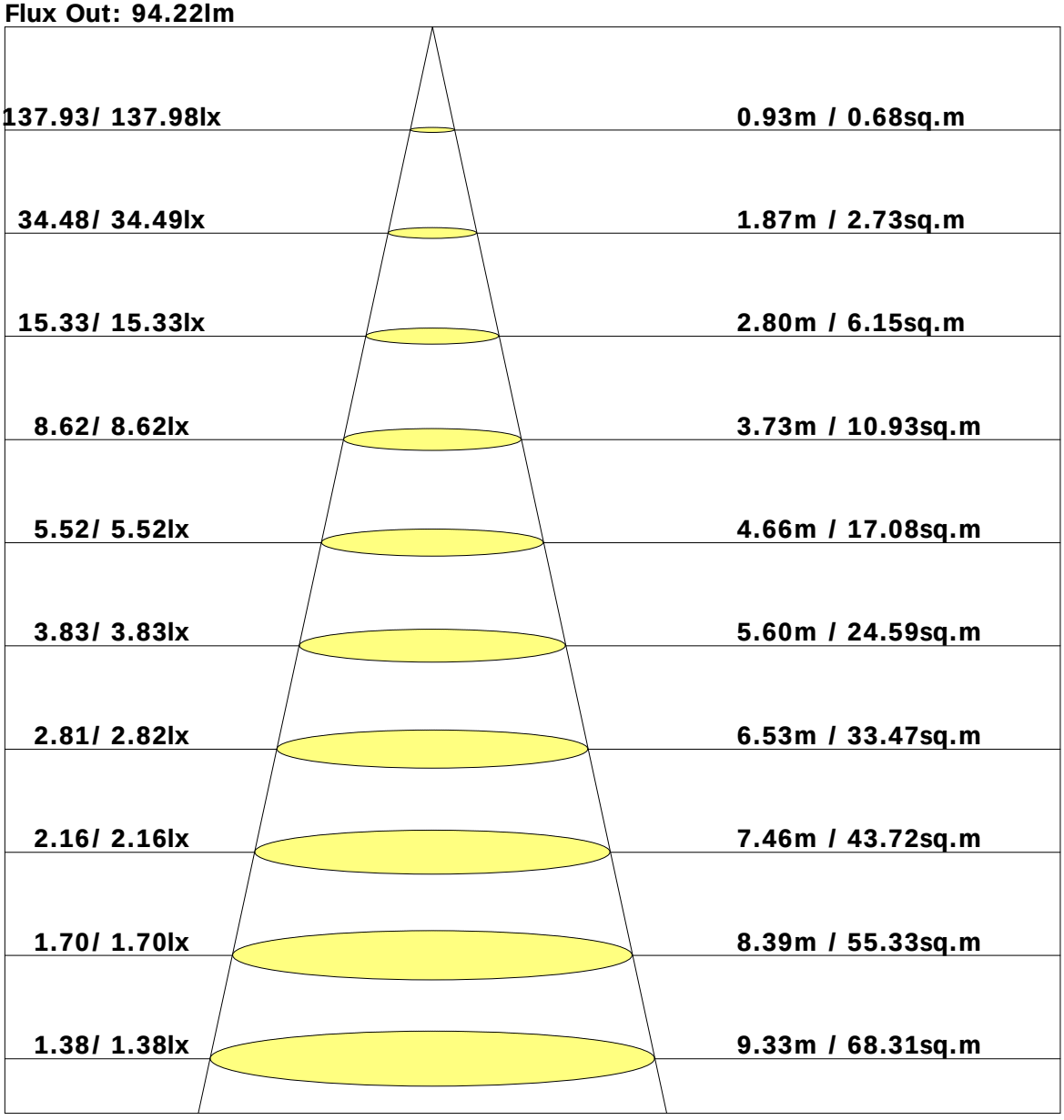
-90 -80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80 90

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: 94.22lm



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	16.8	18.3	17.3	18.7	19.1	14.3	15.8	14.7	16.2	16.6
3H	18.9	20.2	19.3	20.6	21.1	16.3	17.6	16.7	18.0	18.5
4H	19.9	21.1	20.3	21.5	22.0	17.1	18.4	17.6	18.8	19.3
6H	20.9	22.0	21.3	22.4	22.9	17.9	19.0	18.3	19.5	19.9
8H	21.3	22.4	21.8	22.9	23.3	18.2	19.3	18.7	19.7	20.2
12H	21.7	22.7	22.2	23.2	23.7	18.5	19.5	19.0	20.0	20.5
X=4H Y=2H	17.6	18.9	18.1	19.3	19.8	15.1	16.4	15.6	16.8	17.2
3H	19.8	20.8	20.2	21.3	21.7	17.3	18.4	17.8	18.8	19.3
4H	20.8	21.7	21.3	22.2	22.8	18.3	19.2	18.8	19.7	20.2
6H	21.9	22.7	22.4	23.2	23.8	19.2	20.0	19.7	20.5	21.1
8H	22.4	23.2	22.9	23.7	24.2	19.6	20.3	20.1	20.8	21.4
12H	22.9	23.5	23.4	24.1	24.6	19.9	20.6	20.5	21.1	21.7
X=8H Y=4H	21.2	21.9	21.7	22.4	23.0	18.8	19.6	19.3	20.1	20.6
6H	22.3	23.0	22.9	23.5	24.1	19.9	20.5	20.4	21.1	21.6
8H	22.9	23.5	23.5	24.1	24.7	20.4	20.9	20.9	21.5	22.1
12H	23.5	24.0	24.1	24.6	25.2	20.8	21.4	21.4	21.9	22.5
X=12H Y=4H	21.2	21.9	21.8	22.5	23.0	18.9	19.6	19.4	20.1	20.7
6H	22.4	23.0	23.0	23.6	24.2	20.0	20.6	20.6	21.1	21.8
8H	23.1	23.6	23.6	24.2	24.8	20.6	21.1	21.2	21.7	22.3

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 = 1.50								
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	0.63	0.72	0.79	0.84	0.90	0.94	0.97	1.01	1.04
	0.30		0.56	0.65	0.73	0.78	0.85	0.90	0.93	0.98	1.01
	0.20		0.51	0.60	0.67	0.73	0.80	0.85	0.89	0.94	0.98
0.50	0.50	0.20	0.61	0.70	0.76	0.81	0.87	0.90	0.93	0.97	0.99
	0.30		0.55	0.64	0.71	0.76	0.82	0.86	0.90	0.94	0.96
	0.20		0.51	0.59	0.66	0.71	0.78	0.83	0.86	0.91	0.94
0.30	0.50	0.20	0.60	0.67	0.74	0.78	0.83	0.87	0.89	0.92	0.95
	0.30		0.54	0.62	0.69	0.73	0.80	0.83	0.86	0.90	0.93
	0.20		0.50	0.58	0.65	0.70	0.76	0.81	0.84	0.88	0.91
0.00	0.00	0.00	0.48	0.55	0.62	0.66	0.72	0.76	0.79	0.83	0.85

Rating:6W 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 = 1.50								
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	0.88	0.73	0.61	0.53	0.42	0.35	0.30	0.24	0.19
	0.30		0.73	0.62	0.54	0.47	0.38	0.32	0.28	0.22	0.18
	0.20		0.63	0.55	0.47	0.42	0.35	0.30	0.26	0.21	0.18
0.50	0.50	0.20	0.84	0.69	0.58	0.50	0.40	0.37	0.29	0.22	0.18
	0.30		0.71	0.60	0.51	0.45	0.37	0.31	0.27	0.21	0.17
	0.20		0.62	0.53	0.46	0.41	0.34	0.29	0.25	0.20	0.17
0.30	0.50	0.20	0.81	0.66	0.55	0.48	0.38	0.31	0.27	0.21	0.17
	0.30		0.69	0.58	0.49	0.43	0.35	0.29	0.25	0.20	0.16
	0.20		0.60	0.52	0.45	0.40	0.32	0.27	0.24	0.19	0.16
0.00	0.00	0.00	0.49	0.41	0.35	0.30	0.24	0.20	0.18	0.14	0.12

Rating:6W 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 = 1.50								
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	0.23	0.23	0.24	0.25	0.25
	0.30		0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.08	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24	0.24
	0.30		0.13	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.08	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
0.30	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.17	0.19	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19
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:6W 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	143.0	0.1	0.1	0.03	0.03
1.0-2.0	143.2	0.4	0.5	0.08	0.11
2.0-3.0	143.5	0.7	1.2	0.14	0.25
3.0-4.0	144.1	1.0	2.2	0.19	0.44
4.0-5.0	144.9	1.2	3.4	0.25	0.69
5.0-6.0	145.8	1.5	5.0	0.31	0.99
6.0-7.0	146.8	1.8	6.8	0.36	1.36
7.0-8.0	148.0	2.1	8.9	0.42	1.78
8.0-9.0	149.5	2.4	11.3	0.48	2.26
9.0-10.0	151.1	2.7	14.1	0.55	2.81
10.0-11.0	152.8	3.1	17.1	0.61	3.42
11.0-12.0	154.6	3.4	20.5	0.67	4.09
12.0-13.0	156.4	3.7	24.2	0.74	4.83
13.0-14.0	158.1	4.0	28.3	0.81	5.64
14.0-15.0	159.8	4.4	32.7	0.87	6.51
15.0-16.0	161.3	4.7	37.4	0.94	7.45
16.0-17.0	162.5	5.1	42.4	1.01	8.46
17.0-18.0	163.6	5.4	47.8	1.08	9.54
18.0-19.0	164.3	5.7	53.6	1.14	10.68
19.0-20.0	164.8	6.0	59.6	1.20	11.88
20.0-21.0	165.1	6.3	65.9	1.26	13.14
21.0-22.0	165.2	6.6	72.6	1.32	14.47
22.0-23.0	165.2	6.9	79.5	1.38	15.85
23.0-24.0	165.1	7.2	86.7	1.44	17.29
24.0-25.0	165.0	7.5	94.2	1.50	18.79
25.0-26.0	164.9	7.8	102.0	1.55	20.34
26.0-27.0	165.0	8.1	110.1	1.61	21.95
27.0-28.0	165.1	8.4	118.4	1.67	23.61
28.0-29.0	165.4	8.7	127.1	1.73	25.34
29.0-30.0	165.7	8.9	136.0	1.78	27.12
30.0-31.0	166.0	9.2	145.3	1.84	28.96
31.0-32.0	166.3	9.5	154.8	1.90	30.86
32.0-33.0	166.5	9.8	164.6	1.96	32.82
33.0-34.0	166.6	10.1	174.7	2.01	34.83
34.0-35.0	166.7	10.4	185.1	2.06	36.89
35.0-36.0	166.8	10.6	195.7	2.12	39.01

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	166.9	10.9	206.6	2.17	41.18
37.0-38.0	167.2	11.2	217.7	2.22	43.41
38.0-39.0	167.4	11.4	229.1	2.28	45.68
39.0-40.0	167.5	11.7	240.8	2.33	48.01
40.0-41.0	167.2	11.9	252.7	2.37	50.39
41.0-42.0	166.2	12.1	264.8	2.41	52.80
42.0-43.0	164.1	12.2	277.0	2.42	55.22
43.0-44.0	160.6	12.1	289.1	2.42	57.64
44.0-45.0	155.5	11.9	301.0	2.38	60.02
45.0-46.0	148.9	11.6	312.7	2.32	62.34
46.0-47.0	141.0	11.2	323.9	2.24	64.58
47.0-48.0	132.1	10.7	334.6	2.13	66.71
48.0-49.0	122.7	10.1	344.7	2.01	68.71
49.0-50.0	113.1	9.4	354.1	1.88	70.59
50.0-51.0	103.5	8.8	362.9	1.75	72.34
51.0-52.0	94.4	8.1	371.0	1.62	73.96
52.0-53.0	86.1	7.5	378.4	1.49	75.45
53.0-54.0	78.2	6.9	385.3	1.38	76.82
54.0-55.0	71.3	6.4	391.7	1.27	78.09
55.0-56.0	65.1	5.9	397.6	1.17	79.26
56.0-57.0	59.5	5.4	403.0	1.08	80.35
57.0-58.0	54.6	5.1	408.1	1.01	81.36
58.0-59.0	50.4	4.7	412.8	0.94	82.30
59.0-60.0	46.6	4.4	417.2	0.88	83.17
60.0-61.0	43.2	4.1	421.3	0.82	84.00
61.0-62.0	40.4	3.9	425.2	0.78	84.77
62.0-63.0	37.7	3.7	428.9	0.73	85.50
63.0-64.0	35.4	3.5	432.4	0.69	86.20
64.0-65.0	33.4	3.3	435.7	0.66	86.86
65.0-66.0	31.5	3.1	438.8	0.63	87.48
66.0-67.0	29.9	3.0	441.8	0.60	88.08
67.0-68.0	28.4	2.9	444.7	0.57	88.66
68.0-69.0	27.0	2.8	447.5	0.55	89.21
69.0-70.0	25.7	2.6	450.1	0.53	89.73
70.0-71.0	24.5	2.5	452.6	0.50	90.24
71.0-72.0	23.3	2.4	455.0	0.48	90.72

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	22.2	2.3	457.4	0.46	91.18
73.0-74.0	21.2	2.2	459.6	0.44	91.63
74.0-75.0	20.2	2.1	461.7	0.43	92.05
75.0-76.0	19.3	2.0	463.8	0.41	92.46
76.0-77.0	18.3	2.0	465.7	0.39	92.85
77.0-78.0	17.4	1.9	467.6	0.37	93.22
78.0-79.0	16.6	1.8	469.4	0.36	93.58
79.0-80.0	15.8	1.7	471.1	0.34	93.92
80.0-81.0	14.9	1.6	472.7	0.32	94.24
81.0-82.0	14.1	1.5	474.2	0.30	94.54
82.0-83.0	13.3	1.4	475.7	0.29	94.83
83.0-84.0	12.4	1.4	477.0	0.27	95.10
84.0-85.0	11.7	1.3	478.3	0.25	95.36
85.0-86.0	10.9	1.2	479.5	0.24	95.59
86.0-87.0	10.1	1.1	480.6	0.22	95.81
87.0-88.0	9.3	1.0	481.6	0.20	96.02
88.0-89.0	8.6	0.9	482.6	0.19	96.20
89.0-90.0	8.0	0.9	483.4	0.18	96.38
90.0-91.0	7.4	0.8	484.2	0.16	96.54
91.0-92.0	6.9	0.8	485.0	0.15	96.69
92.0-93.0	6.5	0.7	485.7	0.14	96.83
93.0-94.0	6.1	0.7	486.4	0.13	96.97
94.0-95.0	5.7	0.6	487.0	0.12	97.09
95.0-96.0	5.3	0.6	487.6	0.12	97.21
96.0-97.0	5.0	0.5	488.1	0.11	97.32
97.0-98.0	4.7	0.5	488.6	0.10	97.42
98.0-99.0	4.4	0.5	489.1	0.10	97.51
99.0-100.0	4.2	0.5	489.6	0.09	97.60
100.0-101.0	4.0	0.4	490.0	0.09	97.69
101.0-102.0	3.8	0.4	490.4	0.08	97.77
102.0-103.0	3.6	0.4	490.8	0.08	97.85
103.0-104.0	3.4	0.4	491.2	0.07	97.92
104.0-105.0	3.3	0.3	491.5	0.07	97.99
105.0-106.0	3.2	0.3	491.9	0.07	98.06
106.0-107.0	3.0	0.3	492.2	0.06	98.12
107.0-108.0	2.9	0.3	492.5	0.06	98.18

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	2.8	0.3	492.8	0.06	98.24
109.0-110.0	2.7	0.3	493.1	0.06	98.30
110.0-111.0	2.6	0.3	493.3	0.05	98.35
111.0-112.0	2.6	0.3	493.6	0.05	98.40
112.0-113.0	2.5	0.3	493.8	0.05	98.45
113.0-114.0	2.5	0.3	494.1	0.05	98.50
114.0-115.0	2.4	0.2	494.3	0.05	98.55
115.0-116.0	2.4	0.2	494.6	0.05	98.60
116.0-117.0	2.4	0.2	494.8	0.05	98.65
117.0-118.0	2.4	0.2	495.0	0.05	98.69
118.0-119.0	2.3	0.2	495.3	0.04	98.74
119.0-120.0	2.3	0.2	495.5	0.04	98.78
120.0-121.0	2.3	0.2	495.7	0.04	98.82
121.0-122.0	2.2	0.2	495.9	0.04	98.87
122.0-123.0	2.2	0.2	496.1	0.04	98.91
123.0-124.0	2.2	0.2	496.3	0.04	98.95
124.0-125.0	2.2	0.2	496.5	0.04	98.99
125.0-126.0	2.1	0.2	496.7	0.04	99.02
126.0-127.0	2.1	0.2	496.9	0.04	99.06
127.0-128.0	2.1	0.2	497.1	0.04	99.10
128.0-129.0	2.0	0.2	497.2	0.03	99.13
129.0-130.0	2.0	0.2	497.4	0.03	99.17
130.0-131.0	2.0	0.2	497.6	0.03	99.20
131.0-132.0	1.9	0.2	497.7	0.03	99.23
132.0-133.0	1.9	0.2	497.9	0.03	99.26
133.0-134.0	1.9	0.1	498.0	0.03	99.29
134.0-135.0	1.8	0.1	498.2	0.03	99.32
135.0-136.0	1.8	0.1	498.3	0.03	99.35
136.0-137.0	1.8	0.1	498.5	0.03	99.37
137.0-138.0	1.8	0.1	498.6	0.03	99.40
138.0-139.0	1.7	0.1	498.7	0.03	99.42
139.0-140.0	1.7	0.1	498.8	0.02	99.45
140.0-141.0	1.7	0.1	499.0	0.02	99.47
141.0-142.0	1.7	0.1	499.1	0.02	99.50
142.0-143.0	1.7	0.1	499.2	0.02	99.52
143.0-144.0	1.7	0.1	499.3	0.02	99.54

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	1.7	0.1	499.4	0.02	99.56
145.0-146.0	1.7	0.1	499.5	0.02	99.58
146.0-147.0	1.7	0.1	499.6	0.02	99.61
147.0-148.0	1.8	0.1	499.7	0.02	99.63
148.0-149.0	1.8	0.1	499.8	0.02	99.65
149.0-150.0	1.8	0.1	499.9	0.02	99.67
150.0-151.0	1.8	0.1	500.0	0.02	99.69
151.0-152.0	1.8	0.1	500.1	0.02	99.70
152.0-153.0	1.9	0.1	500.2	0.02	99.72
153.0-154.0	1.9	0.1	500.3	0.02	99.74
154.0-155.0	1.9	0.1	500.4	0.02	99.76
155.0-156.0	1.9	0.1	500.5	0.02	99.78
156.0-157.0	1.9	0.1	500.6	0.02	99.79
157.0-158.0	2.0	0.1	500.6	0.02	99.81
158.0-159.0	2.0	0.1	500.7	0.02	99.83
159.0-160.0	2.0	0.1	500.8	0.02	99.84
160.0-161.0	2.0	0.1	500.9	0.01	99.86
161.0-162.0	2.0	0.1	500.9	0.01	99.87
162.0-163.0	2.1	0.1	501.0	0.01	99.88
163.0-164.0	2.1	0.1	501.1	0.01	99.90
164.0-165.0	2.1	0.1	501.1	0.01	99.91
165.0-166.0	2.1	0.1	501.2	0.01	99.92
166.0-167.0	2.1	0.1	501.2	0.01	99.93
167.0-168.0	2.1	0.1	501.3	0.01	99.94
168.0-169.0	2.1	0.0	501.3	0.01	99.95
169.0-170.0	2.1	0.0	501.4	0.01	99.96
170.0-171.0	2.1	0.0	501.4	0.01	99.97
171.0-172.0	2.1	0.0	501.5	0.01	99.97
172.0-173.0	2.2	0.0	501.5	0.01	99.98
173.0-174.0	2.2	0.0	501.5	0.01	99.99
174.0-175.0	2.2	0.0	501.5	0.00	99.99
175.0-176.0	2.2	0.0	501.6	0.00	99.99
176.0-177.0	2.2	0.0	501.6	0.00	100.00
177.0-178.0	2.2	0.0	501.6	0.00	100.00
178.0-179.0	2.2	0.0	501.6	0.00	100.00
179.0-180.0	2.2	0.0	501.6	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: