

Report No.:

Test Time: 2022/1/13 11:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Double Row Ribbonlyte

Luminaire Description: DRRB0RGBWAS22012.0RGB35

Lamp Catalog: 5050-RGBW4IN1

Number of Lamps: 240/M

Luminous Width (mm): 26

Voltage: 24.0 V

Power: 21.85 W

Lamp Description: R+G+B+W

Luminous Length (mm): 500

Luminous Height (mm): 2

Current: 0.911 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 1734 lm

Downward Ratio: 100%

Horizontal Diffuse Angle(10%,50%): H161.8,H120.9

Vertical Diffuse Angle(10%,50%): V161.2,V119.2

Luminaire Efficacy Rating (LER): 79.41

Max. Intensity: 563.89 cd

S/MH(C0/C180): 1.31

Total Rated Lamp Lumens: 1734.0 lm

Efficiency: 100%

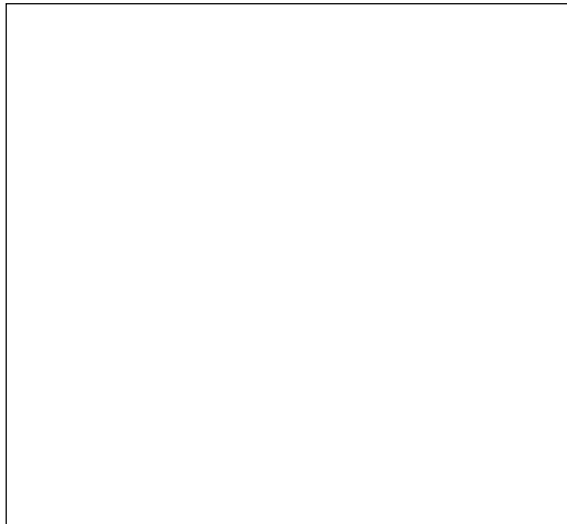
Upward Ratio: 0%

Central Intensity: 562.33 cd

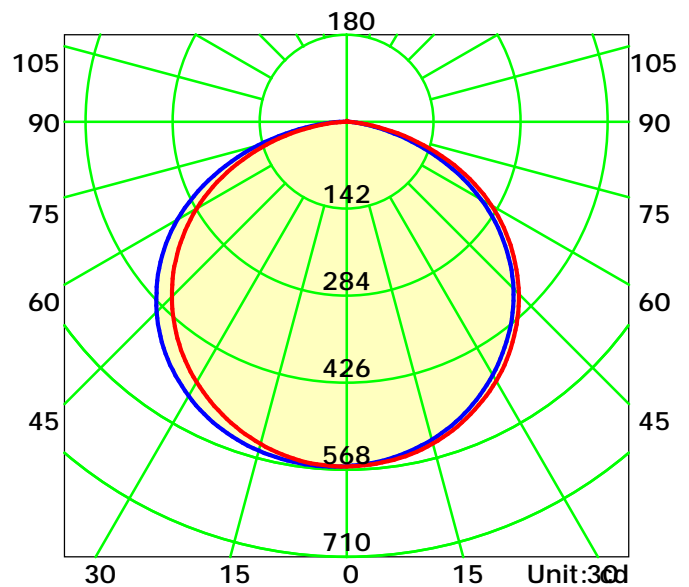
Pos of Max. Intensity: H150 V2

S/MH(C90/C270): 1.29

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 120.0°

— C0-C180 — C90-C270

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

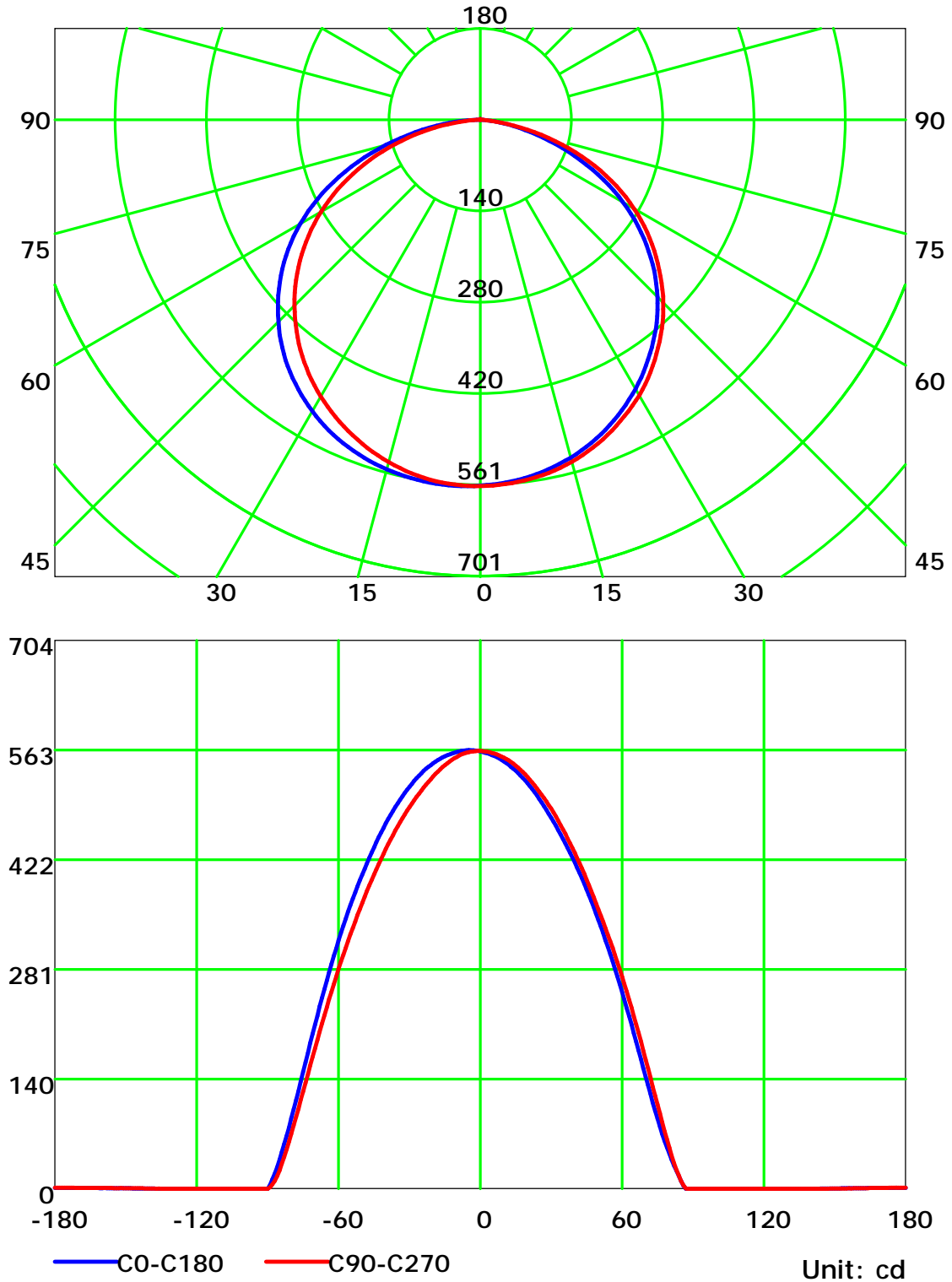
Distance: 9.390 m

Humidity: 60%

Inspector:



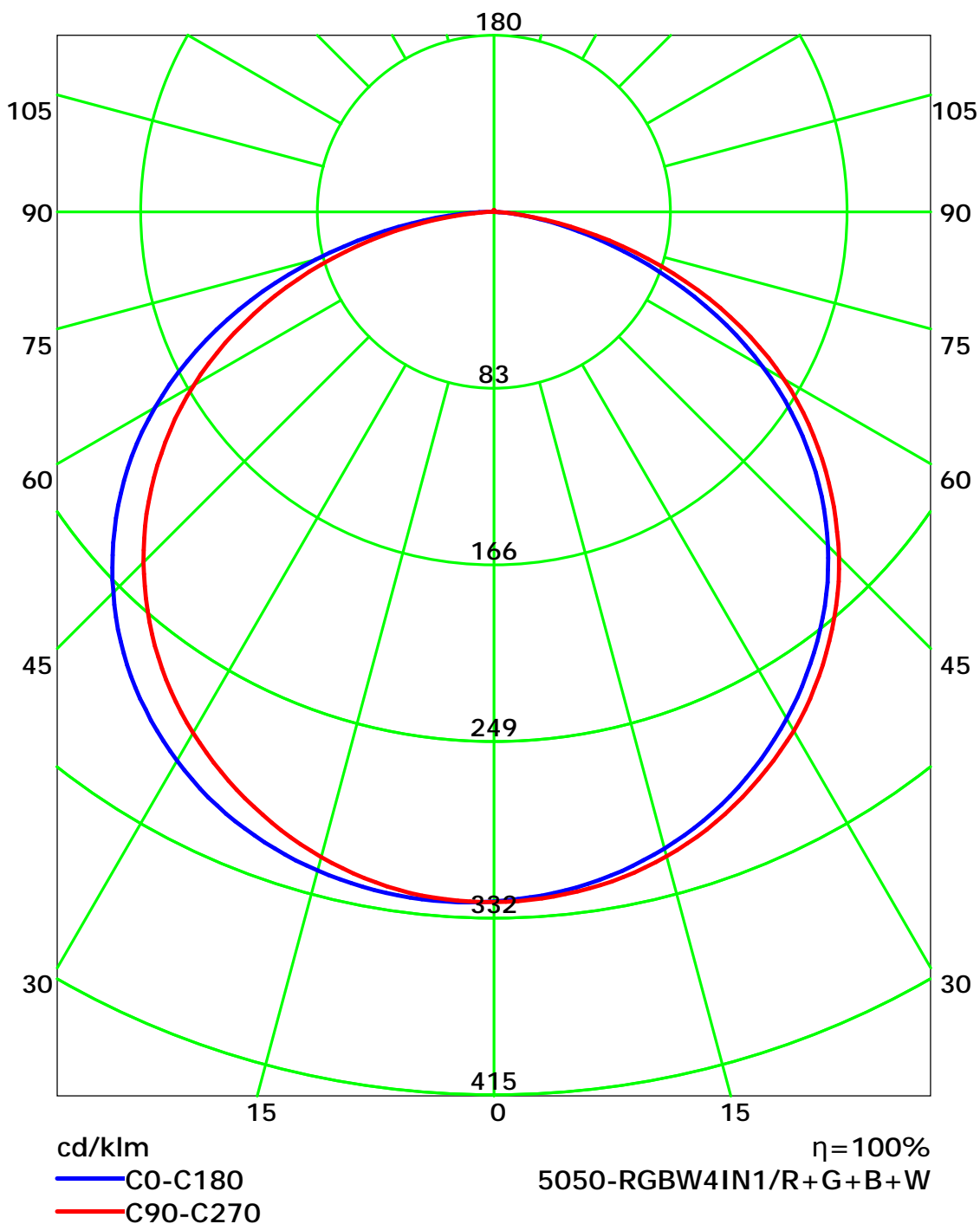
Luminous Intensity Distribution Curve



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: 9.390 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: 9.390 m
Humidity: 60%
Inspector:

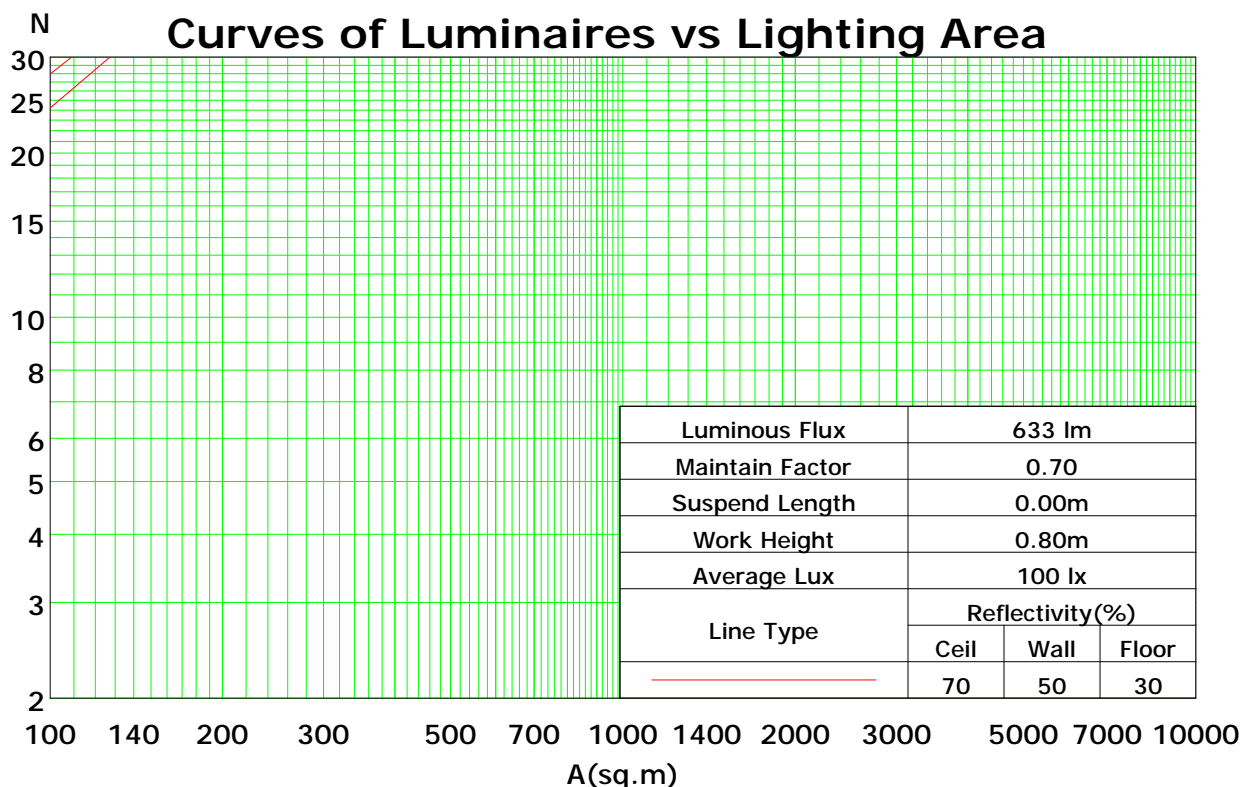
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	37
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.31

Spacing Criteria (90-270): 1.29

Spacing Criteria (Diagonal): 1.44



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

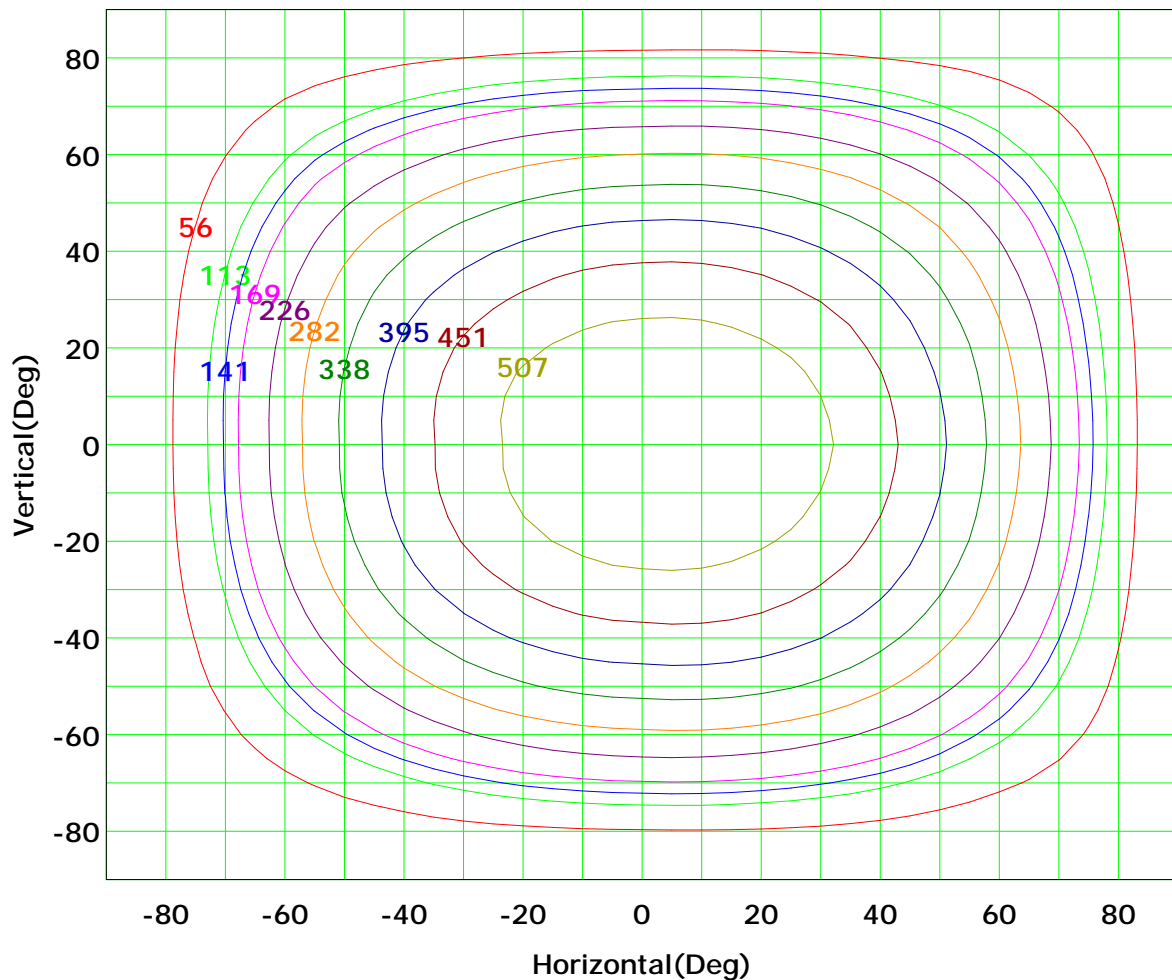
Test Device: GPM-1800B

Distance: 9.390 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



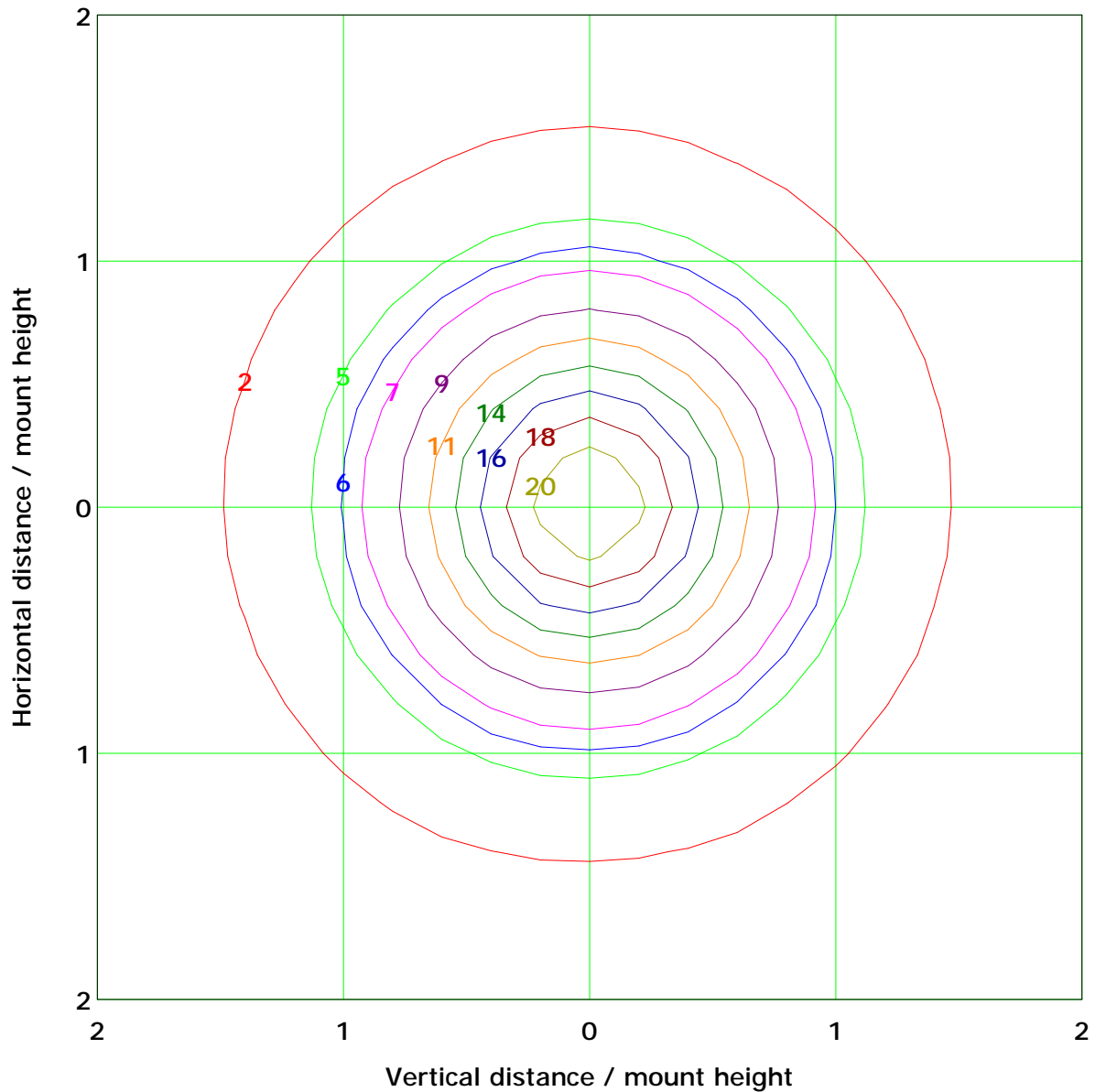
I_{max} (100%): 564 cd

(10%): 56 cd	(20%): 113 cd
(25%): 141 cd	(30%): 169 cd
(40%): 226 cd	(50%): 282 cd
(60%): 338 cd	(70%): 395 cd
(80%): 451 cd	(90%): 507 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: 9.390 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 22.5 lx	
(10%): 2.3 lx	(20%): 4.5 lx
(25%): 5.6 lx	(30%): 6.8 lx
(40%): 9.0 lx	(50%): 11.3 lx
(60%): 13.5 lx	(70%): 15.8 lx
(80%): 18.0 lx	(90%): 20.3 lx

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

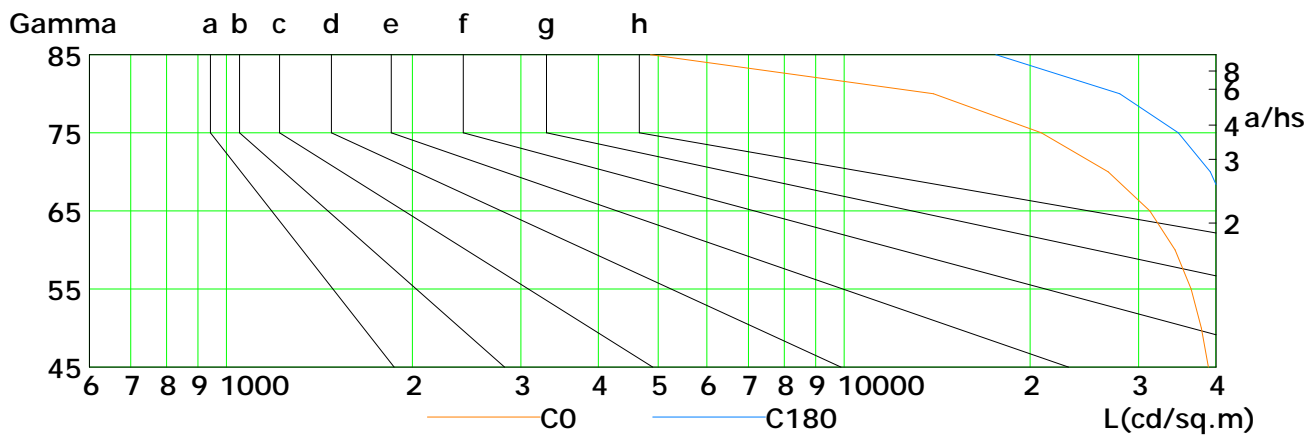
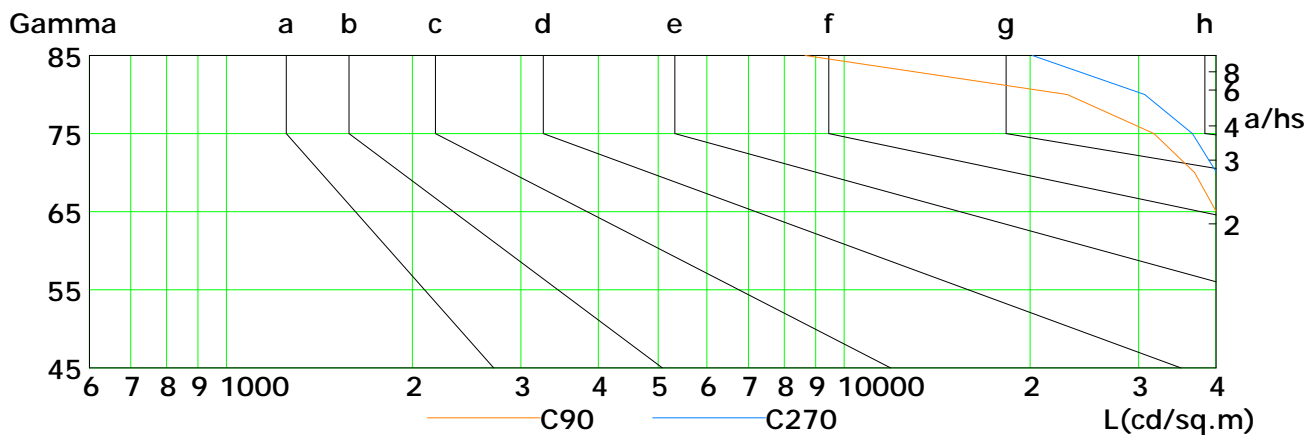
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:



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

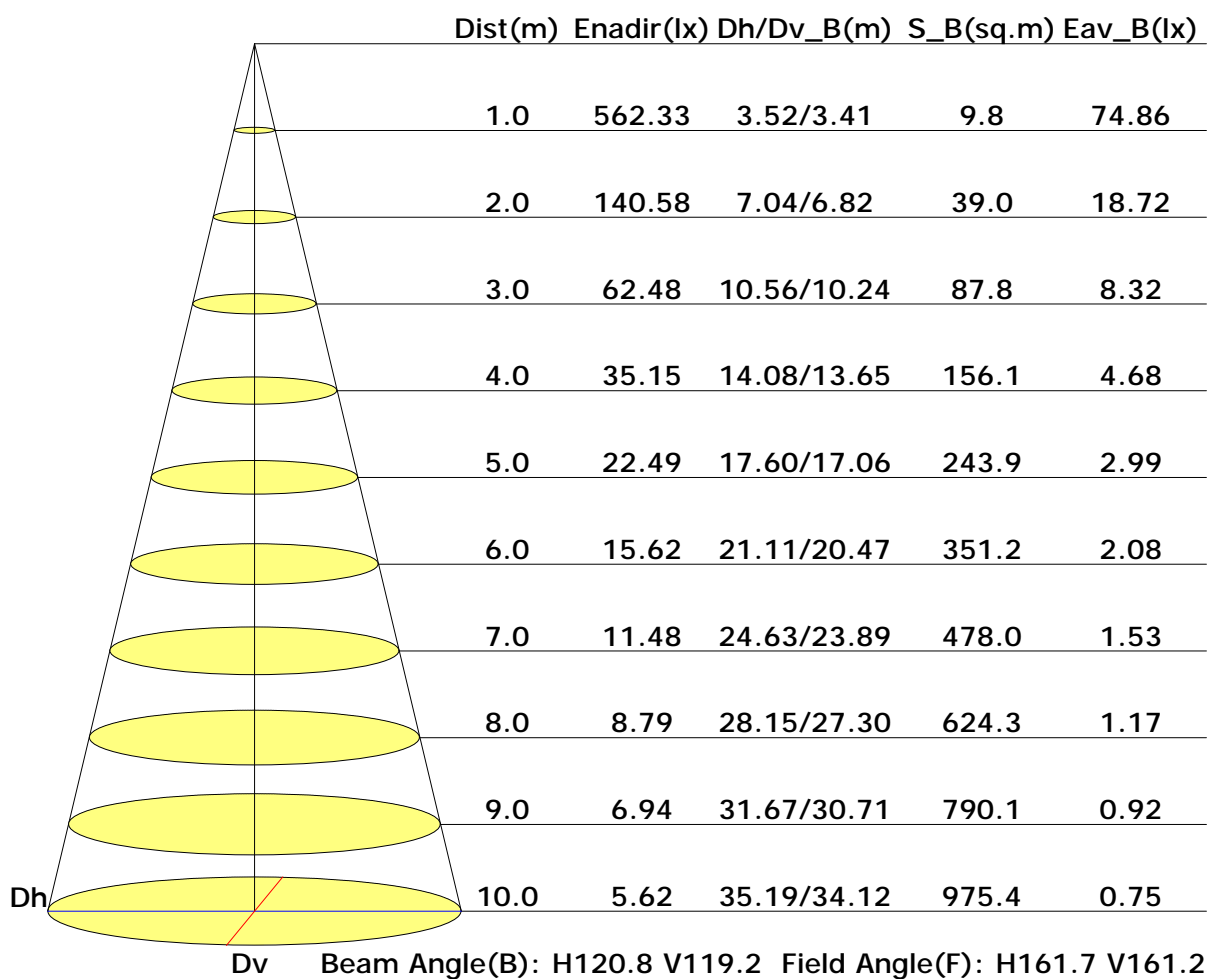


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	38905	37895	36479	34350	31264	26779	20866	13950	4861
C90	43113	42778	42417	41650	40082	36969	31761	22992	8651
C180	44342	44279	44064	43330	41876	39193	34755	27956	17612
C270	43795	43793	43633	43195	42145	40106	36643	30680	20172

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: 9.390 m
Humidity: 60%
Inspector:

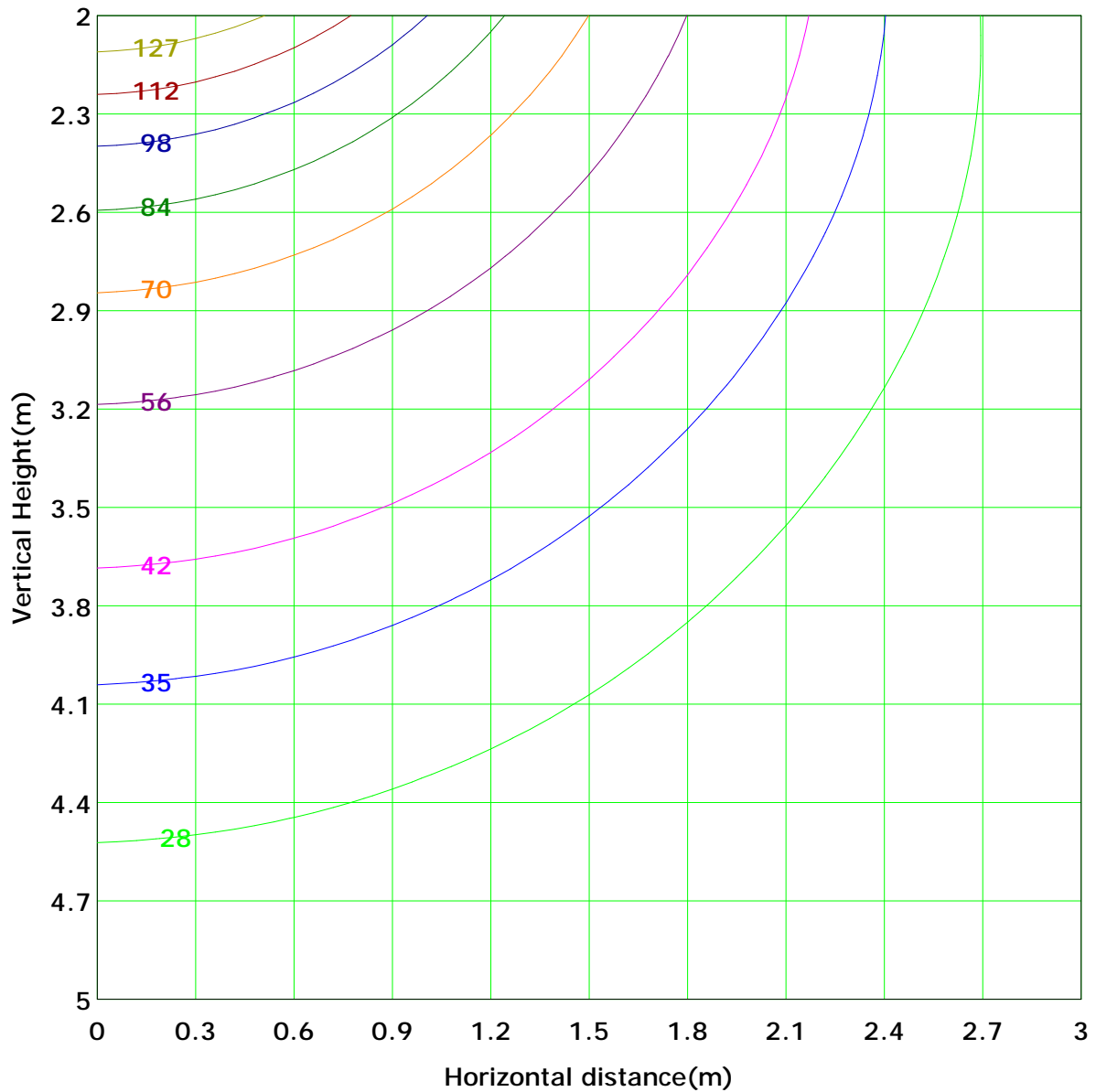
Illuminance at a Distance



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: 9.390 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 140.6 lx
(10%): 14.1 lx	(20%): 28.1 lx	
(25%): 35.1 lx	(30%): 42.2 lx	
(40%): 56.2 lx	(50%): 70.3 lx	
(60%): 84.3 lx	(70%): 98.4 lx	
(80%): 112.5 lx	(90%): 126.5 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: 9.390 m
Humidity: 60%
Inspector:

Area Flux Table

Unit: lm

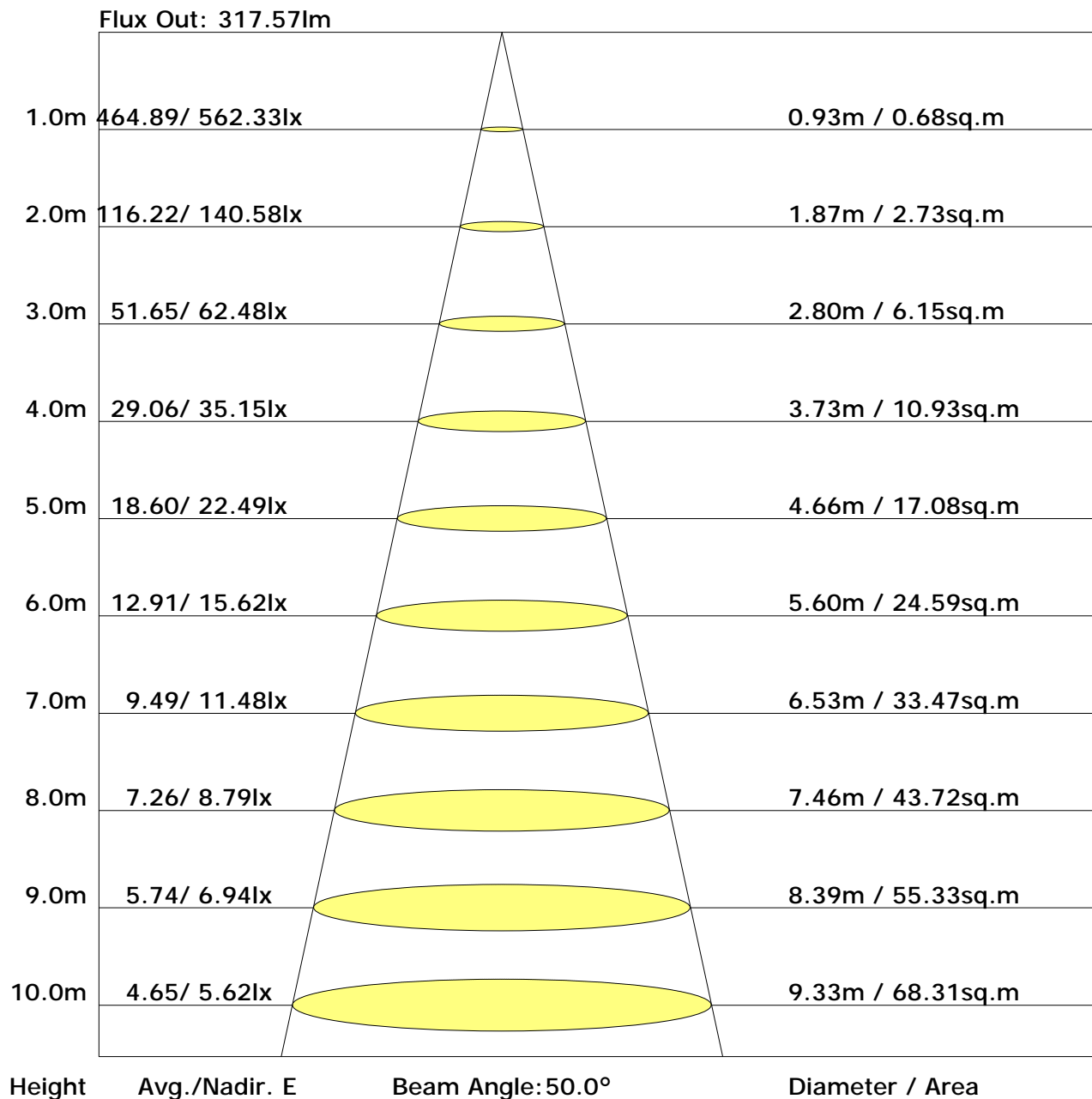
		Vertical plane																				
Flux(E)	Flux(T)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(E)	Flux(T)
		0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.8	0.9	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.0		
0.6	11.4	35.1	67.1	102.5	136.0	163.7	182.7	191.3	189.3	176.7	154.3	124.2	90.0	55.4	25.5	5.8	0.0	0.0	0.0	0.0	1712	1733
1.5	12.6	36.1	68.2	103.6	137.2	164.9	183.8	192.4	190.4	177.9	155.4	125.5	91.2	56.7	27.0	7.6	0.5	0.0	0.0	0.0	1733	1733
0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
0.0	0.2	0.4	0.9	1.5	2.2	2.7	3.1	3.3	3.2	2.9	2.4	1.8	1.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	27.0	23.3
0.0	0.3	1.0	2.0	3.3	4.6	5.6	6.4	6.7	6.6	6.1	5.2	4.0	2.7	1.5	0.7	0.2	0.0	0.0	0.0	0.0	56.9	55.9
0.1	0.5	1.6	3.1	5.0	6.8	8.3	9.3	9.7	9.5	8.9	7.7	6.1	4.3	2.5	1.1	0.3	0.0	0.0	0.0	0.0	84.6	84.1
0.1	0.7	2.2	4.2	6.4	8.6	10.4	11.6	12.1	11.9	11.2	9.7	7.8	5.6	3.4	1.6	0.4	0.0	0.0	0.0	0.0	108.0	107.7
0.1	0.9	2.6	5.0	7.6	10.1	12.1	13.4	14.0	13.9	13.0	11.4	9.2	6.7	4.2	2.0	0.6	0.0	0.0	0.0	0.0	126.8	126.6
0.1	1.1	3.0	5.6	8.5	11.1	13.3	14.8	15.5	15.3	14.4	12.6	10.3	7.5	4.7	2.3	0.7	0.0	0.0	0.0	0.0	140.9	140.7
0.1	1.2	3.3	6.1	9.1	11.9	14.1	15.7	16.5	16.3	15.3	13.4	10.9	8.0	5.1	2.5	0.7	0.1	0.1	0.1	0.1	150.3	150.1
0.1	1.2	3.4	6.3	9.4	12.3	14.6	16.2	17.0	16.9	15.8	13.8	11.2	8.3	5.3	2.6	0.8	0.1	0.1	0.1	0.1	155.0	154.8
0.1	1.2	3.4	6.3	9.4	12.3	14.6	16.2	17.0	16.9	15.8	13.8	11.2	8.3	5.3	2.6	0.8	0.1	0.1	0.1	0.1	155.4	155.2
0.1	1.2	3.3	6.1	9.1	11.9	14.2	15.7	16.5	16.4	15.4	13.5	11.0	8.1	5.2	2.6	0.7	0.1	0.1	0.1	0.1	151.1	151.0
0.1	1.1	3.1	5.7	8.5	11.2	13.3	14.8	15.5	15.4	14.5	12.7	10.4	7.7	4.9	2.4	0.7	0.1	0.1	0.1	0.1	142.1	141.9
0.1	0.9	2.7	5.1	7.7	10.1	12.1	13.5	14.1	14.0	13.1	11.6	9.4	7.0	4.4	2.1	0.6	0.0	0.0	0.0	0.0	128.7	128.5
0.1	0.8	2.3	4.4	6.6	8.8	10.5	11.7	12.3	12.1	11.4	10.0	8.1	6.0	3.7	1.7	0.5	0.0	0.0	0.0	0.0	110.9	110.6
0.1	0.6	1.7	3.4	5.3	7.0	8.5	9.5	9.9	9.8	9.2	8.0	6.4	4.6	2.8	1.3	0.4	0.0	0.0	0.0	0.0	88.6	88.2
0.0	0.4	1.2	2.3	3.6	4.9	6.0	6.8	7.1	7.0	6.5	5.6	4.4	3.1	1.9	0.8	0.2	0.0	0.0	0.0	0.0	61.9	61.2
0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	3.8	3.8	3.5	3.0	2.3	1.6	0.9	0.4	0.1	0.0	0.0	0.0	0.0	32.8	30.5
0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.8	0.9	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	7.8	1.3

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: 9.390 m
Humidity: 60%
Inspector:



The Average Illuminance Effective Figure



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: 9.390 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	25.1	26.5	25.4	26.8	27.0	25.6	27.0	25.9	27.2	27.5
3H	26.4	27.7	26.8	28.0	28.3	27.2	28.5	27.5	28.8	29.0
4H	26.9	28.1	27.2	28.4	28.7	27.8	29.0	28.2	29.3	29.6
6H	27.1	28.2	27.4	28.5	28.8	28.2	29.3	28.5	29.6	29.9
8H	27.1	28.2	27.5	28.5	28.8	28.3	29.4	28.6	29.7	30.0
12H	27.1	28.1	27.4	28.4	28.8	28.3	29.3	28.7	29.7	30.0
X=4H Y=2H	25.8	27.1	26.2	27.4	27.7	26.2	27.4	26.6	27.7	28.0
3H	27.4	28.4	27.7	28.7	29.1	28.0	29.0	28.4	29.4	29.7
4H	27.9	28.8	28.3	29.2	29.5	28.7	29.6	29.1	30.0	30.4
6H	28.2	29.0	28.6	29.4	29.8	29.2	30.0	29.6	30.4	30.8
8H	28.2	29.0	28.7	29.4	29.8	29.3	30.0	29.7	30.5	30.9
12H	28.2	28.9	28.7	29.3	29.8	29.3	30.0	29.8	30.4	30.9
X=8H Y=4H	28.2	28.9	28.6	29.3	29.7	28.9	29.7	29.3	30.1	30.5
6H	28.6	29.2	29.0	29.6	30.1	29.5	30.1	29.9	30.5	31.0
8H	28.7	29.2	29.1	29.7	30.1	29.6	30.2	30.1	30.6	31.1
12H	28.7	29.2	29.2	29.6	30.1	29.7	30.2	30.2	30.7	31.2
X=12H Y=4H	28.2	28.9	28.6	29.3	29.7	28.9	29.6	29.3	30.0	30.4
6H	28.6	29.1	29.1	29.6	30.1	29.5	30.0	30.0	30.5	31.0
8H	28.7	29.2	29.2	29.7	30.2	29.7	30.2	30.2	30.6	31.1
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.1/-0.1				
S=1.5H	+0.4/-0.5					+0.3/-0.3				
S=2.0H	+0.6/-1.1					+0.6/-0.7				

Calculate in accordance with CIE Pub.117. The table is revised with 1734lm ($8\log(F/F_0) = 1.9$).

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: 9.390 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	0.59	0.67	0.75	0.80	0.88	0.93	0.96	1.01	1.04
	0.30		0.51	0.59	0.68	0.73	0.81	0.87	0.91	0.97	1.00
	0.20		0.45	0.54	0.62	0.68	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.57	0.65	0.72	0.77	0.84	0.89	0.92	0.97	0.99
	0.30		0.50	0.58	0.66	0.72	0.79	0.84	0.88	0.93	0.97
	0.20		0.45	0.53	0.61	0.67	0.75	0.80	0.85	0.90	0.94
0.30	0.50	0.20	0.56	0.63	0.70	0.75	0.82	0.86	0.89	0.93	0.96
	0.30		0.49	0.57	0.65	0.70	0.77	0.82	0.86	0.90	0.93
	0.20		0.45	0.52	0.60	0.66	0.73	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.43	0.50	0.57	0.63	0.70	0.75	0.78	0.83	0.86
<p>Rating:22W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

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	0.97	0.82	0.69	0.60	0.48	0.40	0.34	0.26	0.21	
	0.30		0.81	0.70	0.61	0.53	0.44	0.37	0.32	0.25	0.20	
	0.20		0.69	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.19	
0.50	0.50	0.20	0.93	0.79	0.67	0.58	0.46	0.41	0.32	0.25	0.20	
	0.30		0.79	0.69	0.59	0.52	0.42	0.35	0.30	0.24	0.19	
	0.20		0.69	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.91	0.76	0.64	0.56	0.44	0.36	0.31	0.24	0.19	
	0.30		0.77	0.67	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.68	0.60	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.57	0.50	0.43	0.37	0.30	0.25	0.22	0.17	0.14	
Rating: 22W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.16	0.18	0.18	0.19	0.20	0.21	0.21	0.21	0.22	
	0.30		0.09	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16	
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rating:22W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	562.8	0.5	0.5	0.03	0.03
1.0-2.0	562.7	1.6	2.2	0.09	0.12
2.0-3.0	562.4	2.7	4.8	0.16	0.28
3.0-4.0	561.9	3.8	8.6	0.22	0.50
4.0-5.0	561.4	4.8	13.4	0.28	0.77
5.0-6.0	560.6	5.9	19.3	0.34	1.11
6.0-7.0	559.8	6.9	26.3	0.40	1.52
7.0-8.0	558.8	8.0	34.3	0.46	1.98
8.0-9.0	557.6	9.0	43.3	0.52	2.50
9.0-10.0	556.2	10.1	53.4	0.58	3.08
10.0-11.0	554.7	11.1	64.5	0.64	3.72
11.0-12.0	553.1	12.1	76.6	0.70	4.42
12.0-13.0	551.2	13.1	89.6	0.75	5.17
13.0-14.0	549.3	14.1	103.7	0.81	5.98
14.0-15.0	547.2	15.0	118.7	0.87	6.85
15.0-16.0	544.9	16.0	134.7	0.92	7.77
16.0-17.0	542.4	16.9	151.6	0.97	8.74
17.0-18.0	539.8	17.8	169.4	1.03	9.77
18.0-19.0	537.1	18.7	188.1	1.08	10.85
19.0-20.0	534.2	19.6	207.6	1.13	11.97
20.0-21.0	531.1	20.4	228.0	1.18	13.15
21.0-22.0	527.9	21.2	249.2	1.22	14.37
22.0-23.0	524.6	22.0	271.3	1.27	15.64
23.0-24.0	521.0	22.8	294.0	1.31	16.96
24.0-25.0	517.4	23.5	317.6	1.36	18.31
25.0-26.0	513.6	24.2	341.8	1.40	19.71
26.0-27.0	509.7	24.9	366.8	1.44	21.15
27.0-28.0	505.5	25.6	392.4	1.48	22.63
28.0-29.0	501.3	26.2	418.6	1.51	24.14
29.0-30.0	497.0	26.8	445.4	1.55	25.69
30.0-31.0	492.4	27.4	472.8	1.58	27.27
31.0-32.0	487.7	27.9	500.8	1.61	28.88
32.0-33.0	482.9	28.5	529.2	1.64	30.52
33.0-34.0	477.8	28.9	558.1	1.67	32.19
34.0-35.0	472.6	29.4	587.5	1.69	33.88
35.0-36.0	467.3	29.8	617.3	1.72	35.60

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: 9.390 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	461.9	30.1	647.4	1.74	37.34
37.0-38.0	456.2	30.5	677.8	1.76	39.09
38.0-39.0	450.5	30.8	708.6	1.77	40.87
39.0-40.0	444.5	31.0	739.6	1.79	42.65
40.0-41.0	438.4	31.2	770.8	1.80	44.45
41.0-42.0	432.1	31.4	802.2	1.81	46.26
42.0-43.0	425.7	31.5	833.8	1.82	48.08
43.0-44.0	419.0	31.6	865.4	1.82	49.91
44.0-45.0	412.2	31.7	897.1	1.83	51.73
45.0-46.0	405.2	31.7	928.8	1.83	53.56
46.0-47.0	398.0	31.7	960.4	1.83	55.39
47.0-48.0	390.6	31.6	992.0	1.82	57.21
48.0-49.0	383.2	31.5	1023.5	1.82	59.03
49.0-50.0	375.6	31.3	1054.8	1.81	60.83
50.0-51.0	367.7	31.1	1085.9	1.79	62.63
51.0-52.0	359.7	30.9	1116.8	1.78	64.41
52.0-53.0	351.6	30.6	1147.4	1.76	66.17
53.0-54.0	343.2	30.3	1177.6	1.74	67.91
54.0-55.0	334.7	29.9	1207.5	1.72	69.64
55.0-56.0	326.0	29.5	1237.0	1.70	71.34
56.0-57.0	317.1	29.0	1266.0	1.67	73.01
57.0-58.0	307.9	28.5	1294.4	1.64	74.65
58.0-59.0	298.6	27.9	1322.4	1.61	76.26
59.0-60.0	289.0	27.3	1349.7	1.57	77.84
60.0-61.0	279.2	26.6	1376.3	1.54	79.37
61.0-62.0	269.2	25.9	1402.3	1.50	80.87
62.0-63.0	259.0	25.2	1427.5	1.45	82.32
63.0-64.0	248.6	24.4	1451.9	1.41	83.73
64.0-65.0	238.0	23.6	1475.4	1.36	85.09
65.0-66.0	227.3	22.7	1498.1	1.31	86.40
66.0-67.0	216.3	21.8	1519.8	1.25	87.65
67.0-68.0	205.2	20.8	1540.6	1.20	88.85
68.0-69.0	194.0	19.8	1560.4	1.14	89.99
69.0-70.0	182.6	18.8	1579.2	1.08	91.07
70.0-71.0	171.1	17.7	1596.9	1.02	92.09
71.0-72.0	159.7	16.6	1613.5	0.96	93.05

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: 9.390 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	148.1	15.5	1629.0	0.89	93.94
73.0-74.0	136.6	14.4	1643.3	0.83	94.77
74.0-75.0	125.1	13.2	1656.5	0.76	95.53
75.0-76.0	113.8	12.1	1668.6	0.70	96.23
76.0-77.0	102.5	10.9	1679.5	0.63	96.86
77.0-78.0	91.5	9.8	1689.3	0.57	97.43
78.0-79.0	80.7	8.7	1698.0	0.50	97.93
79.0-80.0	70.3	7.6	1705.6	0.44	98.36
80.0-81.0	60.3	6.5	1712.1	0.38	98.74
81.0-82.0	50.6	5.5	1717.6	0.32	99.06
82.0-83.0	41.4	4.5	1722.1	0.26	99.32
83.0-84.0	32.9	3.6	1725.7	0.21	99.52
84.0-85.0	24.9	2.7	1728.4	0.16	99.68
85.0-86.0	17.6	1.9	1730.3	0.11	99.79
86.0-87.0	11.2	1.2	1731.6	0.07	99.86
87.0-88.0	6.4	0.7	1732.3	0.04	99.90
88.0-89.0	3.2	0.4	1732.6	0.02	99.92
89.0-90.0	1.1	0.1	1732.7	0.01	99.93
90.0-91.0	0.1	0.0	1732.7	0.00	99.93
91.0-92.0	0.0	0.0	1732.7	0.00	99.93
92.0-93.0	0.0	0.0	1732.7	0.00	99.93
93.0-94.0	0.0	0.0	1732.7	0.00	99.93
94.0-95.0	0.0	0.0	1732.7	0.00	99.93
95.0-96.0	0.0	0.0	1732.7	0.00	99.93
96.0-97.0	0.0	0.0	1732.7	0.00	99.93
97.0-98.0	0.0	0.0	1732.7	0.00	99.93
98.0-99.0	0.0	0.0	1732.7	0.00	99.93
99.0-100.0	0.0	0.0	1732.7	0.00	99.93
100.0-101.0	0.0	0.0	1732.7	0.00	99.93
101.0-102.0	0.0	0.0	1732.7	0.00	99.93
102.0-103.0	0.0	0.0	1732.7	0.00	99.93
103.0-104.0	0.0	0.0	1732.7	0.00	99.93
104.0-105.0	0.0	0.0	1732.7	0.00	99.93
105.0-106.0	0.0	0.0	1732.7	0.00	99.93
106.0-107.0	0.0	0.0	1732.7	0.00	99.93
107.0-108.0	0.0	0.0	1732.7	0.00	99.93

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: 9.390 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	1732.7	0.00	99.93
109.0-110.0	0.0	0.0	1732.7	0.00	99.93
110.0-111.0	0.0	0.0	1732.7	0.00	99.93
111.0-112.0	0.0	0.0	1732.7	0.00	99.93
112.0-113.0	0.0	0.0	1732.7	0.00	99.93
113.0-114.0	0.0	0.0	1732.7	0.00	99.93
114.0-115.0	0.0	0.0	1732.7	0.00	99.93
115.0-116.0	0.0	0.0	1732.7	0.00	99.93
116.0-117.0	0.0	0.0	1732.7	0.00	99.93
117.0-118.0	0.0	0.0	1732.7	0.00	99.93
118.0-119.0	0.0	0.0	1732.7	0.00	99.93
119.0-120.0	0.0	0.0	1732.7	0.00	99.93
120.0-121.0	0.0	0.0	1732.7	0.00	99.93
121.0-122.0	0.0	0.0	1732.7	0.00	99.93
122.0-123.0	0.0	0.0	1732.7	0.00	99.93
123.0-124.0	0.0	0.0	1732.7	0.00	99.93
124.0-125.0	0.0	0.0	1732.7	0.00	99.93
125.0-126.0	0.0	0.0	1732.7	0.00	99.93
126.0-127.0	0.0	0.0	1732.7	0.00	99.93
127.0-128.0	0.0	0.0	1732.7	0.00	99.93
128.0-129.0	0.0	0.0	1732.7	0.00	99.93
129.0-130.0	0.0	0.0	1732.7	0.00	99.93
130.0-131.0	0.0	0.0	1732.8	0.00	99.93
131.0-132.0	0.1	0.0	1732.8	0.00	99.93
132.0-133.0	0.1	0.0	1732.8	0.00	99.93
133.0-134.0	0.1	0.0	1732.8	0.00	99.93
134.0-135.0	0.1	0.0	1732.8	0.00	99.93
135.0-136.0	0.1	0.0	1732.8	0.00	99.93
136.0-137.0	0.1	0.0	1732.8	0.00	99.93
137.0-138.0	0.2	0.0	1732.8	0.00	99.93
138.0-139.0	0.2	0.0	1732.8	0.00	99.93
139.0-140.0	0.2	0.0	1732.8	0.00	99.94
140.0-141.0	0.3	0.0	1732.9	0.00	99.94
141.0-142.0	0.3	0.0	1732.9	0.00	99.94
142.0-143.0	0.3	0.0	1732.9	0.00	99.94
143.0-144.0	0.4	0.0	1732.9	0.00	99.94

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: 9.390 m
Humidity: 60%
Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.4	0.0	1733.0	0.00	99.94
145.0-146.0	0.5	0.0	1733.0	0.00	99.94
146.0-147.0	0.5	0.0	1733.0	0.00	99.95
147.0-148.0	0.6	0.0	1733.1	0.00	99.95
148.0-149.0	0.6	0.0	1733.1	0.00	99.95
149.0-150.0	0.7	0.0	1733.1	0.00	99.95
150.0-151.0	0.7	0.0	1733.2	0.00	99.95
151.0-152.0	0.7	0.0	1733.2	0.00	99.96
152.0-153.0	0.8	0.0	1733.3	0.00	99.96
153.0-154.0	0.8	0.0	1733.3	0.00	99.96
154.0-155.0	0.8	0.0	1733.3	0.00	99.96
155.0-156.0	0.8	0.0	1733.4	0.00	99.97
156.0-157.0	0.9	0.0	1733.4	0.00	99.97
157.0-158.0	0.9	0.0	1733.4	0.00	99.97
158.0-159.0	1.0	0.0	1733.5	0.00	99.97
159.0-160.0	1.0	0.0	1733.5	0.00	99.97
160.0-161.0	1.0	0.0	1733.6	0.00	99.98
161.0-162.0	1.0	0.0	1733.6	0.00	99.98
162.0-163.0	1.1	0.0	1733.6	0.00	99.98
163.0-164.0	1.1	0.0	1733.7	0.00	99.98
164.0-165.0	1.1	0.0	1733.7	0.00	99.98
165.0-166.0	1.1	0.0	1733.7	0.00	99.99
166.0-167.0	1.2	0.0	1733.8	0.00	99.99
167.0-168.0	1.2	0.0	1733.8	0.00	99.99
168.0-169.0	1.2	0.0	1733.8	0.00	99.99
169.0-170.0	1.3	0.0	1733.8	0.00	99.99
170.0-171.0	1.3	0.0	1733.9	0.00	99.99
171.0-172.0	1.3	0.0	1733.9	0.00	100.00
172.0-173.0	1.3	0.0	1733.9	0.00	100.00
173.0-174.0	1.4	0.0	1733.9	0.00	100.00
174.0-175.0	1.4	0.0	1733.9	0.00	100.00
175.0-176.0	1.4	0.0	1733.9	0.00	100.00
176.0-177.0	1.4	0.0	1734.0	0.00	100.00
177.0-178.0	1.4	0.0	1734.0	0.00	100.00
178.0-179.0	1.4	0.0	1734.0	0.00	100.00
179.0-180.0	1.5	0.0	1734.0	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: 9.390 m
Humidity: 60%
Inspector: