

Report No.:

Test Time: 2023/2/20 15:59

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: 大炮
Lamp Catalog: G
Luminous Width (mm): 70
Voltage: 219.4 V
Power: 9.05 W

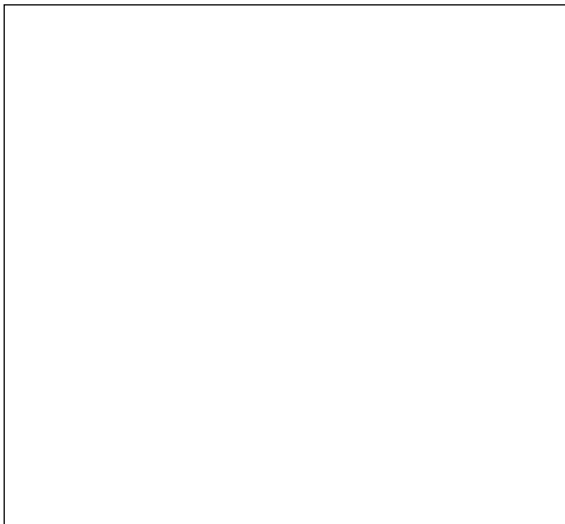
Luminaire Description: 20
Luminous Length (mm): 270
Luminous Height (mm): 20
Current: 0.101 A
Power Factor: 0.407

Photometric Results

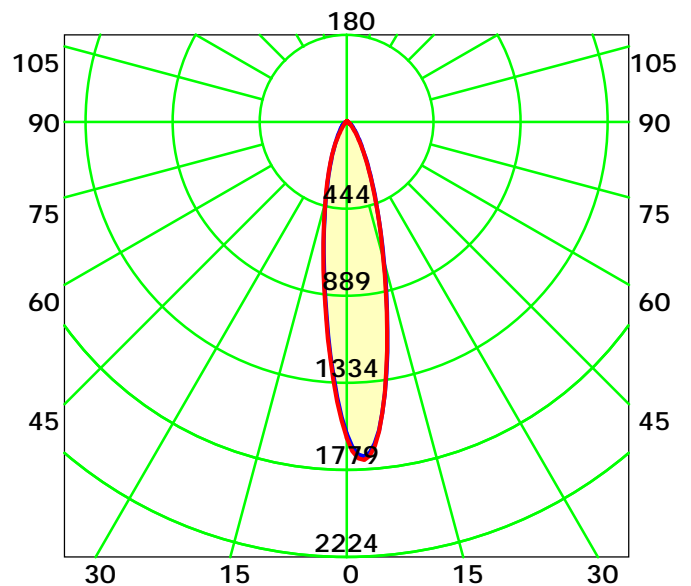
CIE Class: Direct
Measurement Flux: 522.2 lm
Downward Ratio: 97%
Horizontal Diffuse Angle(10%,50%): H55.3,H21.9
Vertical Diffuse Angle(10%,50%): V54.9,V21.7
Luminaire Efficacy Rating (LER): 58
Max. Intensity: 1750.69 cd

Total Rated Lamp Lumens: 522.2 lm
Efficiency: 100%
Upward Ratio: 3%
Central Intensity: 1593.18 cd
Pos of Max. Intensity: H60 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



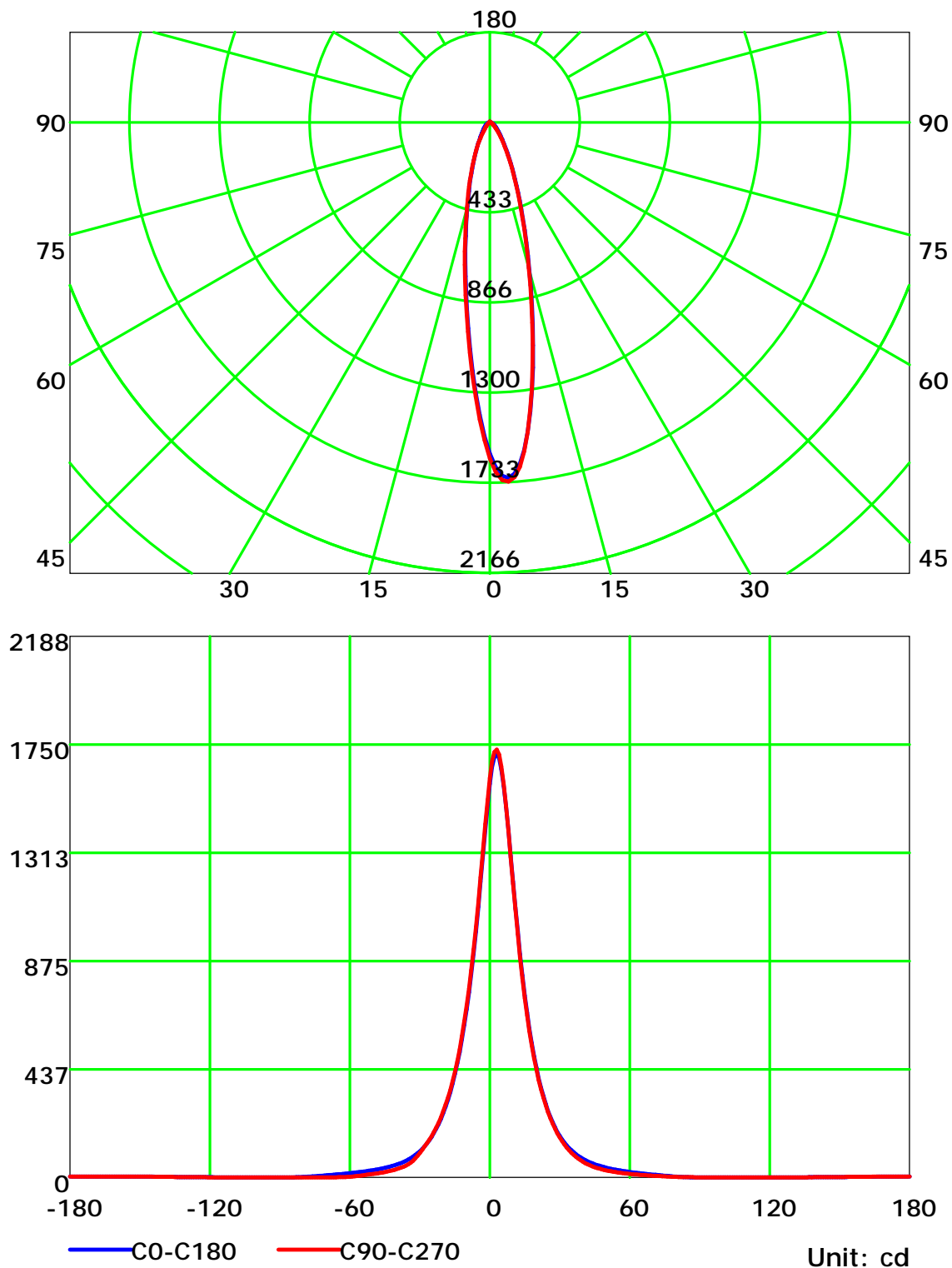
Average Diffuse Angle(50%): 21.8° Unit: cd

— 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: 9.028 m
Humidity: 60%
Inspector:

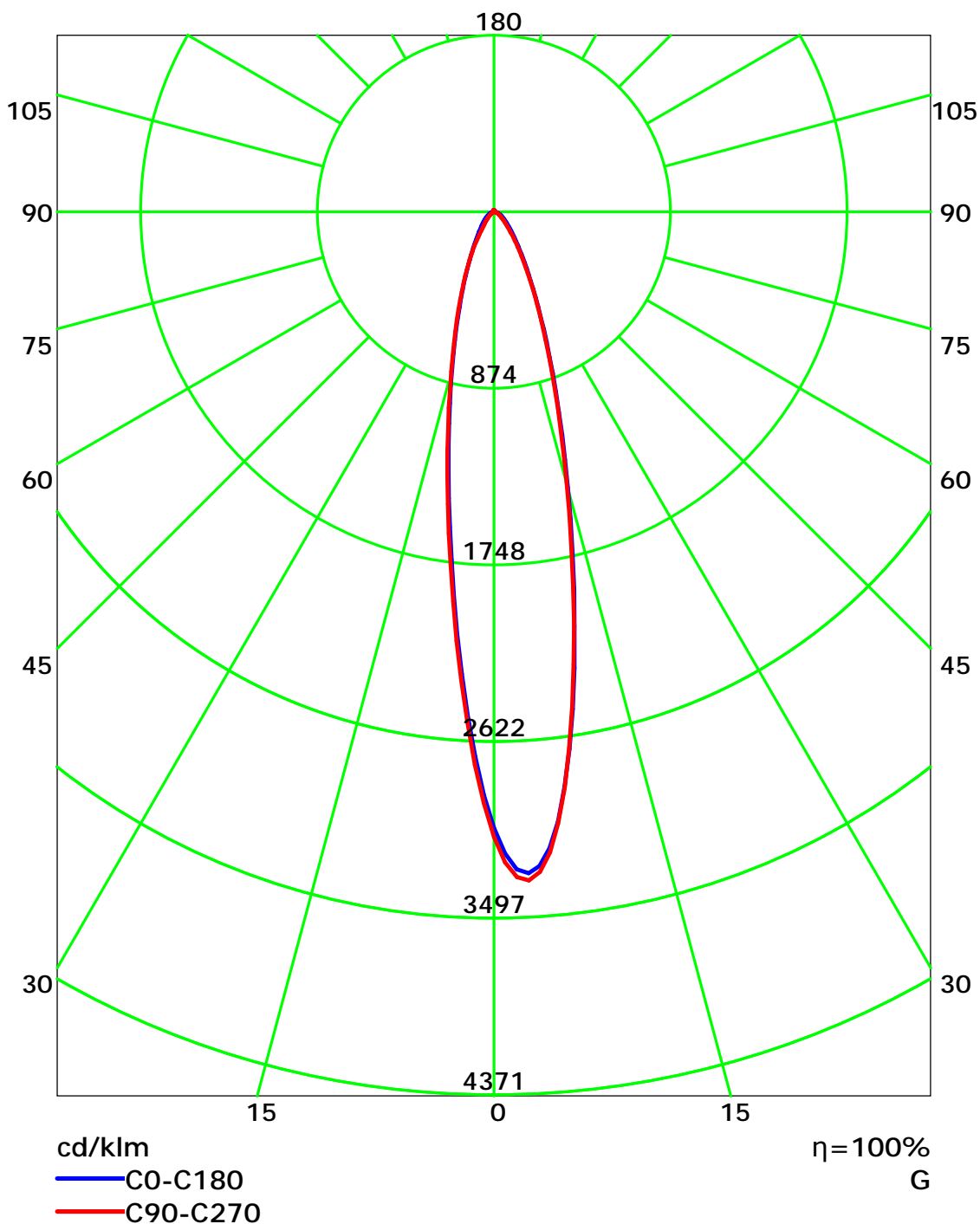
Luminous Intensity Distribution Curve



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: 9.028 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:

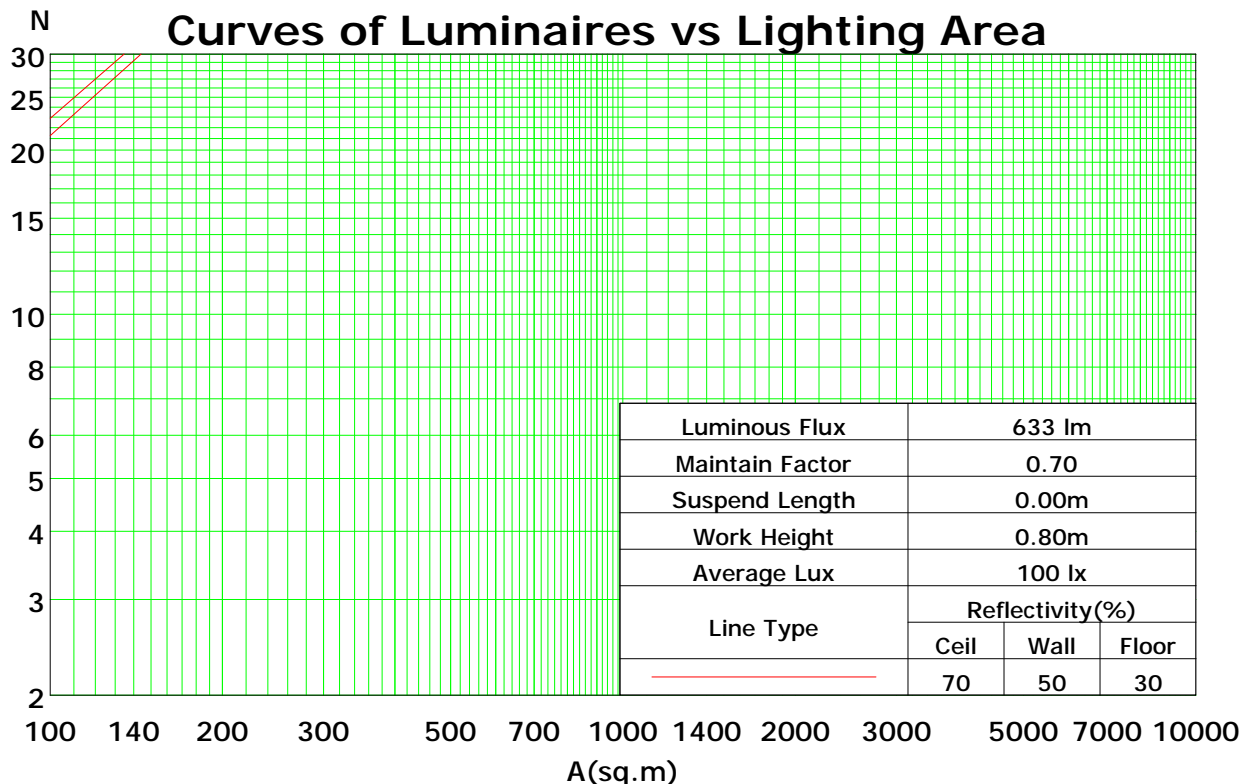
Coefficients Of Utilization - Zonal Cavity Method

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	113	110	107	105	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	107	102	98	95	105	100	97	94	97	94	91	93	91	89	90	88	86	85
3	102	96	91	87	100	94	90	86	91	87	84	88	85	83	86	83	81	79
4	97	90	85	81	95	89	84	80	86	82	79	84	80	78	82	79	76	75
5	93	85	80	75	91	84	79	75	82	77	74	80	76	73	78	75	72	71
6	89	81	75	71	87	80	74	71	78	73	70	76	72	69	75	71	69	67
7	85	77	71	67	84	76	71	67	74	70	66	73	69	66	72	68	65	64
8	82	73	68	64	81	73	67	64	71	67	63	70	66	63	69	65	62	61
9	79	70	65	61	78	69	64	61	68	64	60	67	63	60	66	63	60	58
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	64	60	57	56

Spacing Criteria (0-180): 0.39

Spacing Criteria (90-270): 0.39

Spacing Criteria (Diagonal): 0.44



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

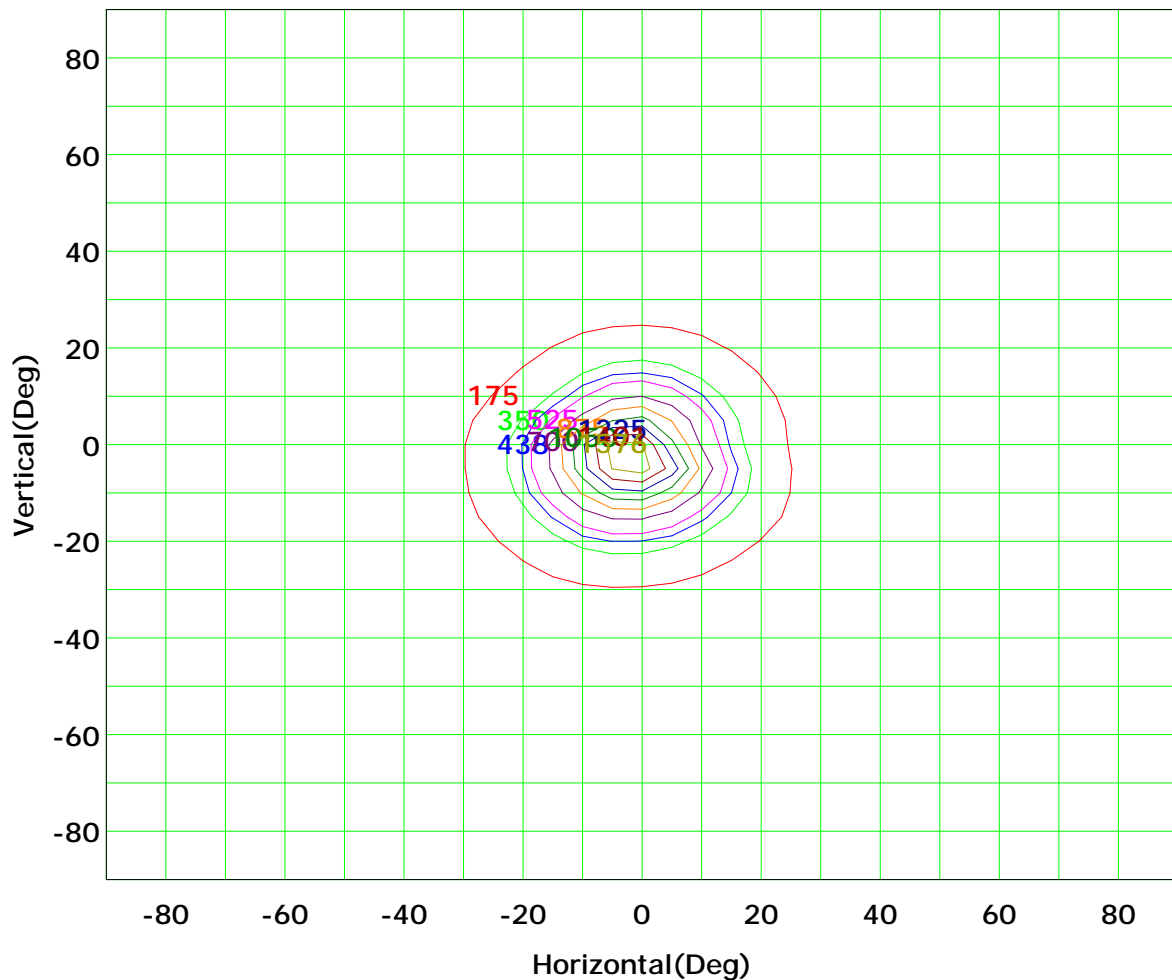
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



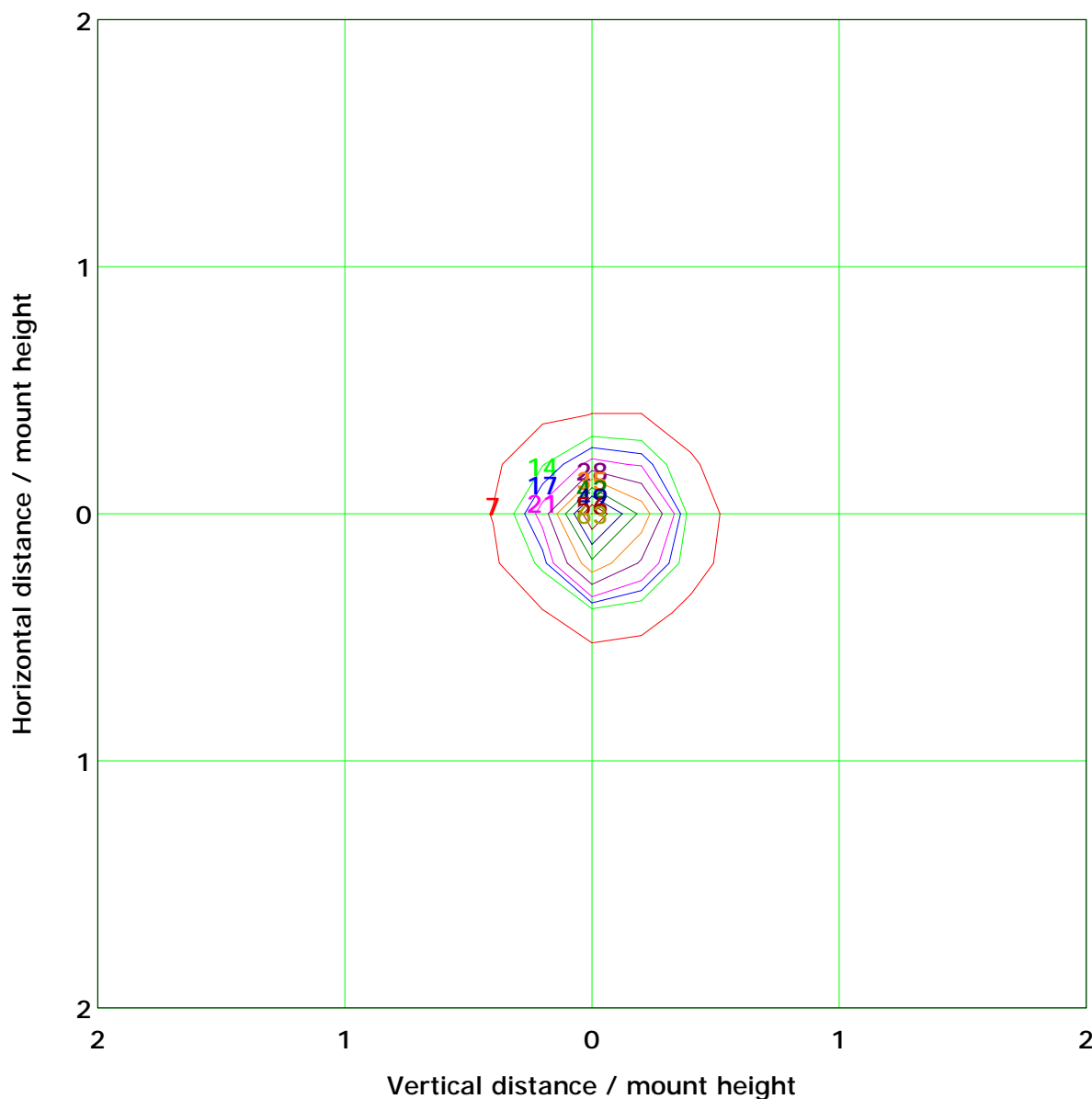
Imax (100%): 1751 cd

(10%): 175 cd	(20%): 350 cd
(25%): 438 cd	(30%): 525 cd
(40%): 700 cd	(50%): 875 cd
(60%): 1050 cd	(70%): 1225 cd
(80%): 1401 cd	(90%): 1576 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%): 69.7 lx	
(10%): 7.0 lx	(20%): 13.9 lx
(25%): 17.4 lx	(30%): 20.9 lx
(40%): 27.9 lx	(50%): 34.8 lx
(60%): 41.8 lx	(70%): 48.8 lx
(80%): 55.7 lx	(90%): 62.7 lx

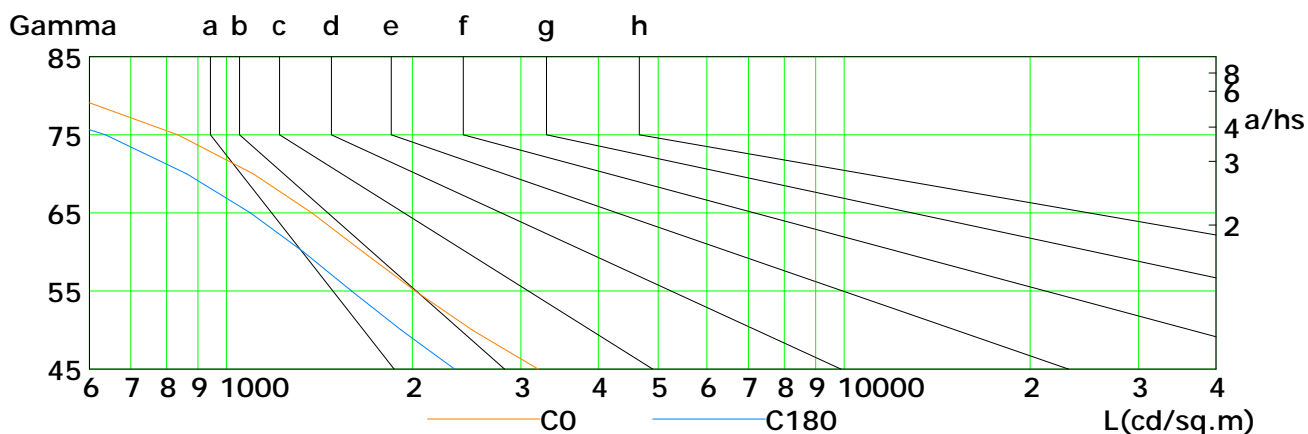
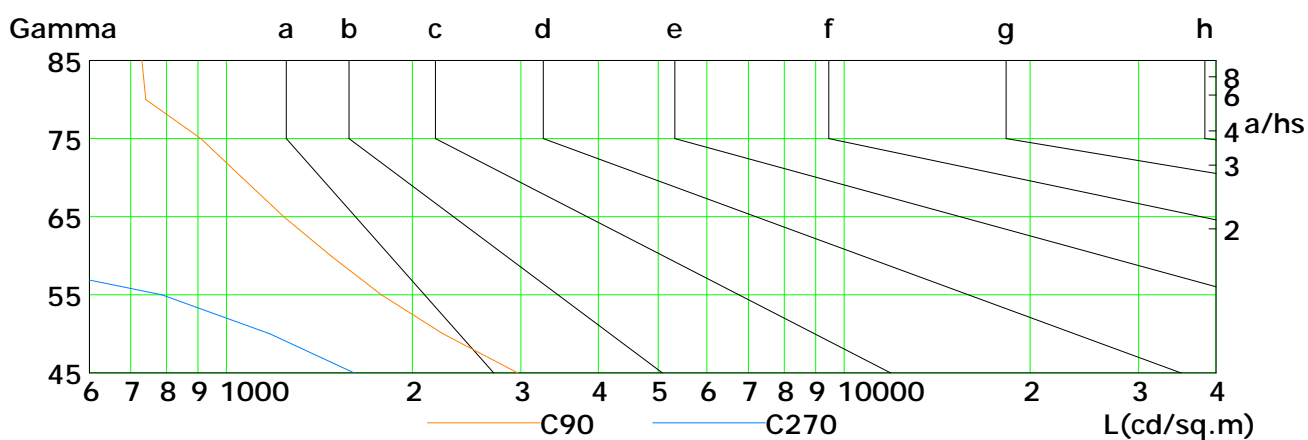
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



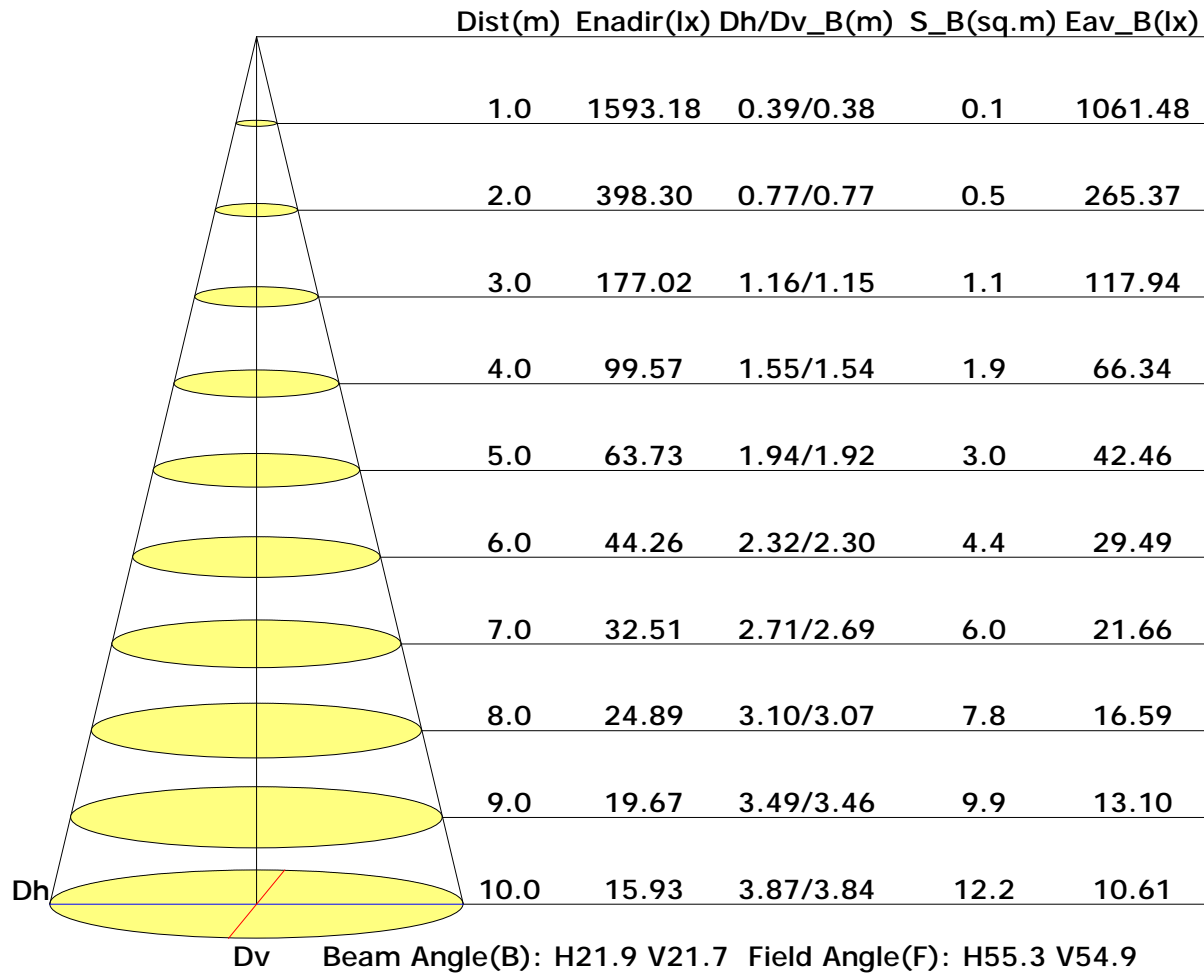
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3197	2500	2024	1665	1376	1106	834	558	342
C90	2964	2244	1782	1476	1239	1060	910	740	730
C180	2343	1919	1595	1334	1095	862	637	408	275
C270	1610	1177	786	389	233	211	263	352	539

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

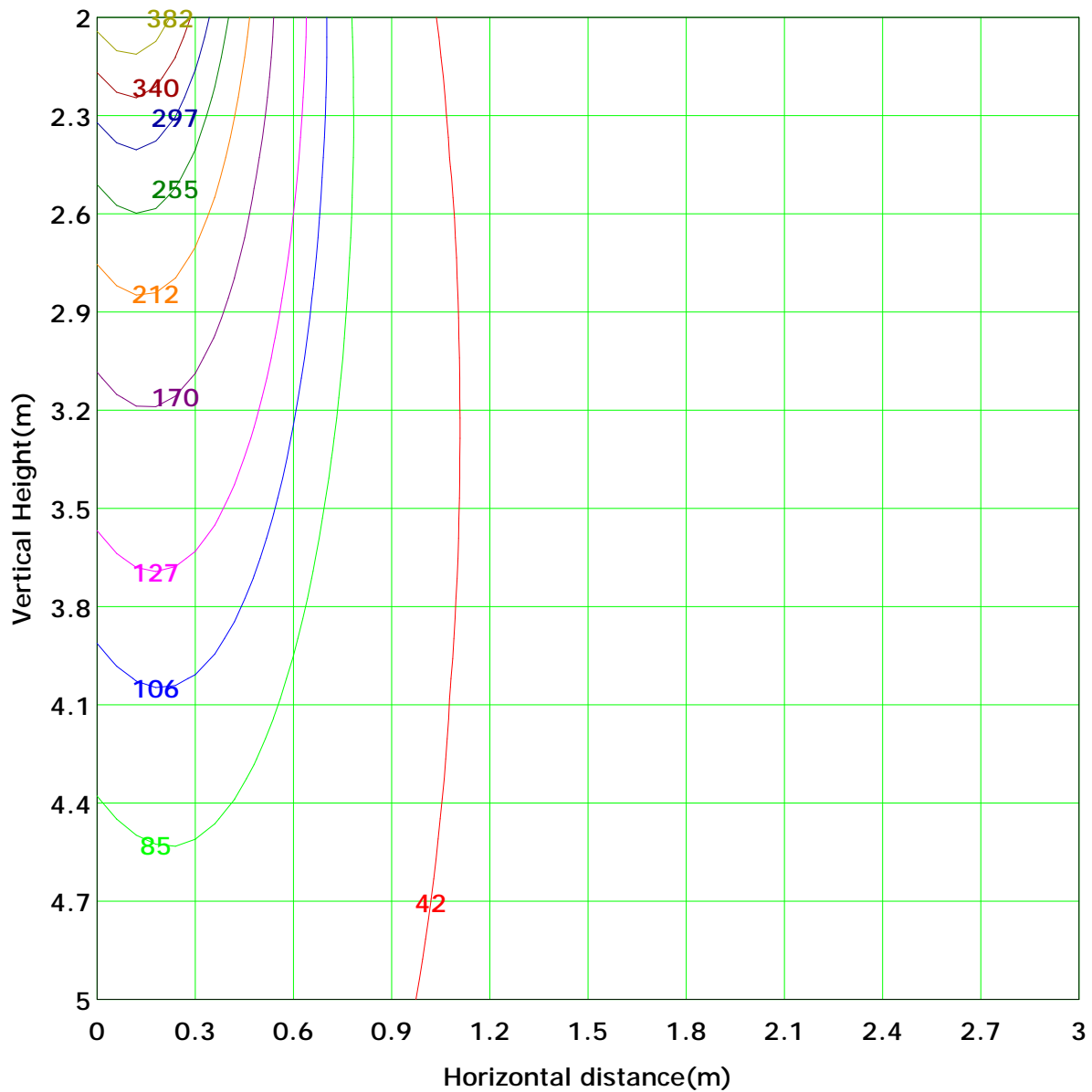


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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: 424.6 lx
(10%): 42.5 lx	(20%): 84.9 lx	
(25%): 106.2 lx	(30%): 127.4 lx	
(40%): 169.8 lx	(50%): 212.3 lx	
(60%): 254.8 lx	(70%): 297.2 lx	
(80%): 339.7 lx	(90%): 382.1 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

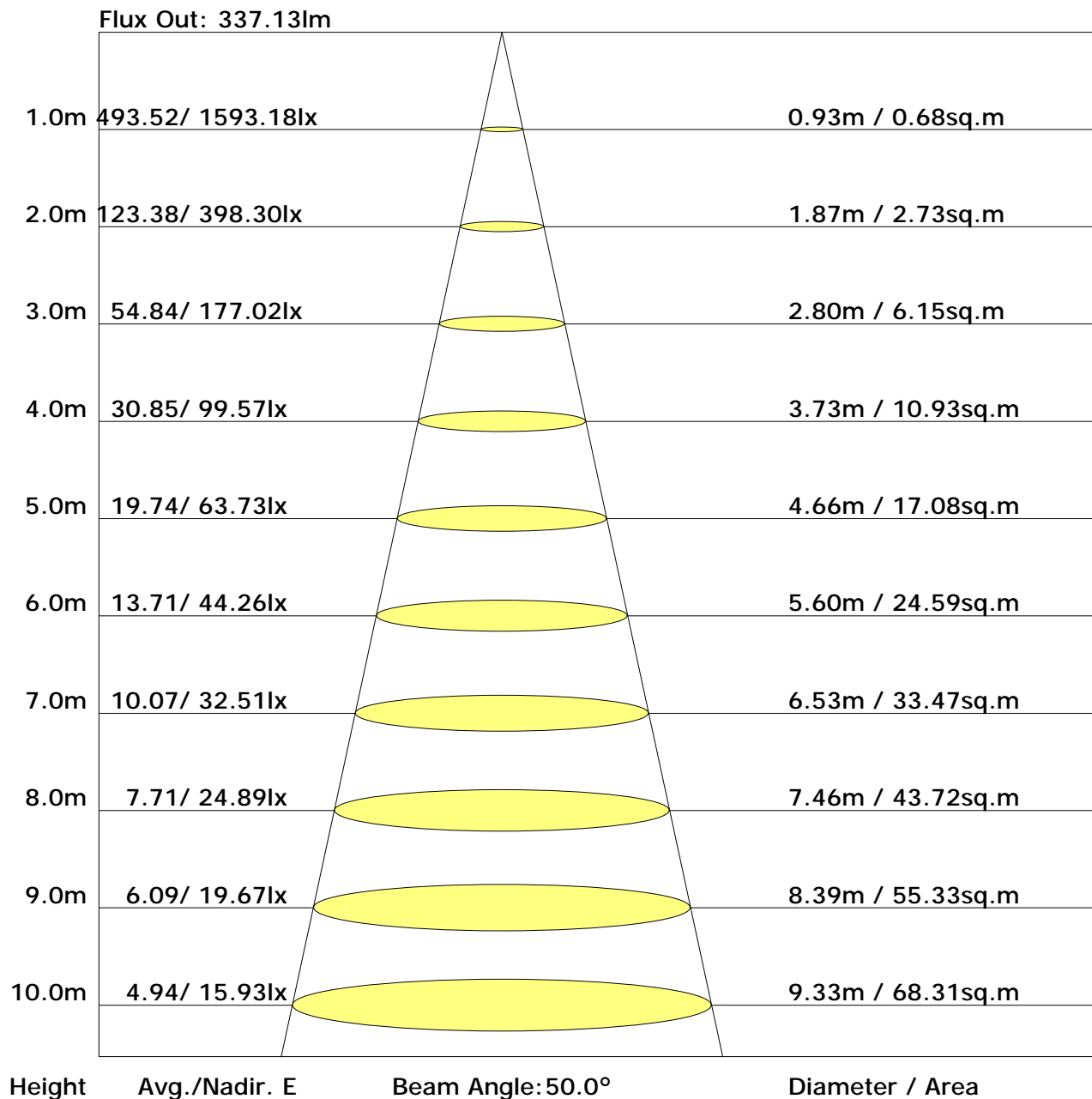
		Vertical plane																		Flux(T)		Flux(E)						
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80					90				
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.6	0.0	0.0	
	-70	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	0.0	0.0	0.0	1.0	0.0	0.0	
	-60	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	0.0	0.0	0.0	2.7	0.0	0.0	
	-50	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	0.0	0.0	0.0	5.8	0.0	0.0	
	-40	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	0.0	0.0	0.0	11.9	0.0	0.0	
	-30	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	0.0	0.0	0.0	26.1	5.9	0.0	
	-20	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	0.0	0.0	0.0	53.0	39.5	0.0	
	-10	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	0.0	0.0	0.0	104.6	93.3	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	0.0	0.0	0.0	0.0	0.0	0.0	138.0	127.5	0.0	
	10	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	0.0	0.0	0.0	82.6	71.0	0.0	
	20	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	0.0	0.0	0.0	39.3	22.2	0.0	
	30	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	0.0	0.0	0.0	19.1	0.0	0.0	
	40	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	0.0	0.0	0.0	9.9	0.0	0.0	
	50	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	0.0	0.0	0.0	5.6	0.0	0.0	
	60	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	0.0	0.0	0.0	3.2	0.0	0.0	
	70	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	0.0	0.0	0.0	1.6	0.0	0.0	
	80	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	0.0	0.0	0.0	0.8	0.0	0.0	
	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	0.0	0.0	0.0	506		0.0	
	Flux(T)	0.1	0.6	1.8	3.9	7.4	13.6	27.1	58.3	115.2	132.6	77.0	35.5	17.1	8.8	4.5	2.1	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	506		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	0.0	0.0	0.0	0.0	0.0	359		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



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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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	12.6	13.6	13.0	14.0	14.4	10.5	11.6	10.9	11.9	12.3
3H	13.8	14.7	14.3	15.1	15.6	11.5	12.4	11.9	12.8	13.2
4H	14.2	15.1	14.7	15.5	16.0	11.8	12.6	12.2	13.0	13.5
6H	14.5	15.3	15.0	15.7	16.2	12.0	12.7	12.4	13.2	13.6
8H	14.6	15.3	15.1	15.8	16.2	12.0	12.7	12.5	13.2	13.7
12H	14.6	15.3	15.1	15.7	16.3	12.0	12.7	12.5	13.2	13.7
X=4H Y=2H	12.6	13.4	13.0	13.8	14.3	11.0	11.9	11.5	12.3	12.7
3H	14.0	14.6	14.4	15.1	15.6	12.1	12.8	12.6	13.3	13.8
4H	14.4	15.1	14.9	15.5	16.0	12.5	13.1	13.0	13.6	14.1
6H	14.8	15.3	15.3	15.8	16.4	12.7	13.3	13.3	13.8	14.3
8H	14.9	15.4	15.4	15.9	16.4	12.8	13.3	13.3	13.8	14.3
12H	15.0	15.4	15.5	15.9	16.5	12.8	13.3	13.4	13.8	14.4
X=8H Y=4H	14.4	14.9	14.9	15.4	15.9	12.7	13.2	13.2	13.7	14.2
6H	14.8	15.2	15.3	15.7	16.3	13.0	13.4	13.5	13.9	14.5
8H	14.9	15.3	15.5	15.8	16.4	13.1	13.4	13.7	14.0	14.6
12H	15.0	15.3	15.6	15.9	16.5	13.2	13.5	13.8	14.1	14.7
X=12H Y=4H	14.3	14.7	14.9	15.3	15.8	12.7	13.1	13.2	13.6	14.2
6H	14.7	15.1	15.3	15.6	16.2	13.0	13.4	13.6	13.9	14.5
8H	14.9	15.2	15.5	15.7	16.4	13.1	13.5	13.7	14.0	14.6

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	0.82	0.89	0.94	0.97	1.01	1.04	1.06	1.09	1.11
	0.30		0.77	0.84	0.89	0.93	0.98	1.01	1.03	1.06	1.09
	0.20		0.73	0.80	0.85	0.89	0.94	0.98	1.01	1.04	1.07
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.98	1.01	1.02	1.05	1.06
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	1.03	1.04
	0.20		0.73	0.79	0.84	0.87	0.92	0.95	0.98	1.01	1.03
0.30	0.50	0.20	0.79	0.85	0.89	0.91	0.95	0.97	0.99	1.01	1.02
	0.30		0.75	0.81	0.85	0.88	0.92	0.95	0.97	0.99	1.00
	0.20		0.72	0.78	0.83	0.86	0.90	0.93	0.95	0.98	0.99
0.00	0.00	0.00	0.70	0.76	0.80	0.83	0.87	0.89	0.90	0.93	0.94
Rating:9W 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(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	0.64	0.52	0.44	0.38	0.30	0.25	0.21	0.16	0.13	
	0.30		0.53	0.44	0.38	0.33	0.27	0.23	0.19	0.15	0.13	
	0.20		0.46	0.39	0.34	0.30	0.25	0.21	0.18	0.14	0.12	
0.50	0.50	0.20	0.60	0.49	0.41	0.35	0.28	0.27	0.19	0.15	0.12	
	0.30		0.51	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12	
	0.20		0.44	0.37	0.32	0.28	0.23	0.20	0.17	0.13	0.11	
0.30	0.50	0.20	0.57	0.46	0.38	0.33	0.25	0.21	0.18	0.14	0.11	
	0.30		0.49	0.40	0.34	0.30	0.23	0.20	0.17	0.13	0.11	
	0.20		0.43	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10	
0.00	0.00	0.00	0.29	0.23	0.19	0.17	0.13	0.11	0.09	0.07	0.06	
Rating: 9W 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 = 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	0.16	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	0.23	
	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	0.18	0.19	0.20	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	0.14	0.15	0.17	0.18	0.19	0.20	
0.30	0.50	0.20	0.15	0.17	0.18	0.18	0.20	0.20	0.21	0.22	0.22	
	0.30		0.11	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21	
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	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:9W 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	1614.4	1.5	1.5	0.30	0.30
1.0-2.0	1594.0	4.6	6.1	0.88	1.17
2.0-3.0	1553.6	7.4	13.6	1.42	2.60
3.0-4.0	1496.3	10.0	23.6	1.92	4.51
4.0-5.0	1425.2	12.3	35.8	2.35	6.86
5.0-6.0	1343.2	14.1	49.9	2.70	9.57
6.0-7.0	1254.6	15.6	65.5	2.98	12.55
7.0-8.0	1162.9	16.6	82.2	3.19	15.74
8.0-9.0	1070.9	17.4	99.5	3.32	19.06
9.0-10.0	981.6	17.8	117.3	3.40	22.46
10.0-11.0	896.5	17.9	135.2	3.43	25.89
11.0-12.0	815.3	17.8	153.0	3.41	29.31
12.0-13.0	739.6	17.6	170.6	3.36	32.67
13.0-14.0	670.9	17.2	187.8	3.29	35.96
14.0-15.0	607.7	16.7	204.4	3.20	39.15
15.0-16.0	550.1	16.1	220.6	3.09	42.24
16.0-17.0	498.9	15.5	236.1	2.98	45.22
17.0-18.0	452.2	14.9	251.0	2.86	48.07
18.0-19.0	409.5	14.2	265.3	2.73	50.80
19.0-20.0	371.3	13.6	278.9	2.60	53.40
20.0-21.0	336.8	12.9	291.8	2.48	55.88
21.0-22.0	305.4	12.3	304.1	2.35	58.23
22.0-23.0	277.4	11.6	315.7	2.23	60.46
23.0-24.0	251.9	11.0	326.7	2.11	62.57
24.0-25.0	228.7	10.4	337.1	1.99	64.56
25.0-26.0	208.1	9.8	347.0	1.88	66.44
26.0-27.0	189.4	9.3	356.2	1.77	68.22
27.0-28.0	172.4	8.7	365.0	1.67	69.89
28.0-29.0	157.2	8.2	373.2	1.57	71.46
29.0-30.0	143.5	7.7	380.9	1.48	72.95
30.0-31.0	130.9	7.3	388.2	1.40	74.34
31.0-32.0	119.6	6.9	395.1	1.31	75.66
32.0-33.0	109.4	6.4	401.5	1.23	76.89
33.0-34.0	100.1	6.1	407.6	1.16	78.05
34.0-35.0	91.6	5.7	413.3	1.09	79.14
35.0-36.0	84.1	5.4	418.6	1.03	80.17

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	77.4	5.0	423.7	0.97	81.13
37.0-38.0	71.2	4.8	428.4	0.91	82.04
38.0-39.0	65.7	4.5	432.9	0.86	82.90
39.0-40.0	60.8	4.2	437.1	0.81	83.72
40.0-41.0	56.4	4.0	441.2	0.77	84.48
41.0-42.0	52.4	3.8	445.0	0.73	85.21
42.0-43.0	48.7	3.6	448.6	0.69	85.91
43.0-44.0	45.4	3.4	452.0	0.66	86.56
44.0-45.0	42.3	3.3	455.3	0.62	87.18
45.0-46.0	39.5	3.1	458.3	0.59	87.78
46.0-47.0	36.9	2.9	461.3	0.56	88.34
47.0-48.0	34.5	2.8	464.1	0.53	88.87
48.0-49.0	32.3	2.7	466.7	0.51	89.38
49.0-50.0	30.3	2.5	469.3	0.48	89.86
50.0-51.0	28.4	2.4	471.7	0.46	90.32
51.0-52.0	26.6	2.3	473.9	0.44	90.76
52.0-53.0	24.9	2.2	476.1	0.42	91.18
53.0-54.0	23.3	2.1	478.2	0.39	91.57
54.0-55.0	21.9	2.0	480.1	0.37	91.94
55.0-56.0	20.5	1.9	482.0	0.35	92.30
56.0-57.0	19.1	1.8	483.7	0.34	92.63
57.0-58.0	17.9	1.7	485.4	0.32	92.95
58.0-59.0	16.8	1.6	486.9	0.30	93.25
59.0-60.0	15.7	1.5	488.4	0.28	93.53
60.0-61.0	14.6	1.4	489.8	0.27	93.80
61.0-62.0	13.6	1.3	491.1	0.25	94.05
62.0-63.0	12.6	1.2	492.4	0.24	94.29
63.0-64.0	11.8	1.2	493.5	0.22	94.51
64.0-65.0	11.0	1.1	494.6	0.21	94.72
65.0-66.0	10.2	1.0	495.6	0.20	94.91
66.0-67.0	9.5	1.0	496.6	0.18	95.10
67.0-68.0	8.9	0.9	497.5	0.17	95.27
68.0-69.0	8.3	0.8	498.3	0.16	95.43
69.0-70.0	7.7	0.8	499.1	0.15	95.58
70.0-71.0	7.1	0.7	499.8	0.14	95.72
71.0-72.0	6.6	0.7	500.5	0.13	95.85

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.0	0.6	501.1	0.12	95.97
73.0-74.0	5.5	0.6	501.7	0.11	96.08
74.0-75.0	5.1	0.5	502.3	0.10	96.19
75.0-76.0	4.6	0.5	502.8	0.09	96.28
76.0-77.0	4.2	0.4	503.2	0.09	96.37
77.0-78.0	3.8	0.4	503.6	0.08	96.44
78.0-79.0	3.5	0.4	504.0	0.07	96.52
79.0-80.0	3.2	0.3	504.3	0.07	96.58
80.0-81.0	2.9	0.3	504.6	0.06	96.64
81.0-82.0	2.7	0.3	504.9	0.06	96.70
82.0-83.0	2.4	0.3	505.2	0.05	96.75
83.0-84.0	2.2	0.2	505.4	0.05	96.80
84.0-85.0	2.1	0.2	505.7	0.04	96.84
85.0-86.0	2.0	0.2	505.9	0.04	96.88
86.0-87.0	1.9	0.2	506.1	0.04	96.92
87.0-88.0	1.9	0.2	506.3	0.04	96.96
88.0-89.0	1.8	0.2	506.5	0.04	97.00
89.0-90.0	1.8	0.2	506.7	0.04	97.04
90.0-91.0	1.8	0.2	506.9	0.04	97.07
91.0-92.0	1.8	0.2	507.1	0.04	97.11
92.0-93.0	1.8	0.2	507.3	0.04	97.15
93.0-94.0	1.8	0.2	507.5	0.04	97.19
94.0-95.0	1.8	0.2	507.7	0.04	97.23
95.0-96.0	1.8	0.2	507.9	0.04	97.26
96.0-97.0	1.8	0.2	508.1	0.04	97.30
97.0-98.0	1.8	0.2	508.3	0.04	97.34
98.0-99.0	1.8	0.2	508.5	0.04	97.37
99.0-100.0	1.8	0.2	508.7	0.04	97.41
100.0-101.0	1.8	0.2	508.9	0.04	97.45
101.0-102.0	1.7	0.2	509.0	0.04	97.48
102.0-103.0	1.7	0.2	509.2	0.04	97.52
103.0-104.0	1.7	0.2	509.4	0.04	97.55
104.0-105.0	1.7	0.2	509.6	0.04	97.59
105.0-106.0	1.7	0.2	509.8	0.04	97.62
106.0-107.0	1.7	0.2	510.0	0.04	97.66
107.0-108.0	1.8	0.2	510.1	0.04	97.70

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.8	0.2	510.3	0.04	97.73
109.0-110.0	1.8	0.2	510.5	0.04	97.77
110.0-111.0	1.8	0.2	510.7	0.03	97.80
111.0-112.0	1.8	0.2	510.9	0.04	97.84
112.0-113.0	1.8	0.2	511.1	0.04	97.87
113.0-114.0	1.8	0.2	511.2	0.04	97.91
114.0-115.0	1.8	0.2	511.4	0.04	97.94
115.0-116.0	1.9	0.2	511.6	0.04	97.98
116.0-117.0	1.9	0.2	511.8	0.04	98.01
117.0-118.0	1.9	0.2	512.0	0.04	98.05
118.0-119.0	1.9	0.2	512.2	0.04	98.08
119.0-120.0	1.9	0.2	512.3	0.04	98.12
120.0-121.0	2.0	0.2	512.5	0.04	98.15
121.0-122.0	2.0	0.2	512.7	0.04	98.19
122.0-123.0	2.0	0.2	512.9	0.04	98.22
123.0-124.0	2.0	0.2	513.1	0.04	98.26
124.0-125.0	2.1	0.2	513.3	0.04	98.30
125.0-126.0	2.1	0.2	513.5	0.04	98.33
126.0-127.0	2.2	0.2	513.7	0.04	98.37
127.0-128.0	2.2	0.2	513.9	0.04	98.40
128.0-129.0	2.2	0.2	514.0	0.04	98.44
129.0-130.0	2.3	0.2	514.2	0.04	98.48
130.0-131.0	2.3	0.2	514.4	0.04	98.52
131.0-132.0	2.4	0.2	514.6	0.04	98.55
132.0-133.0	2.5	0.2	514.8	0.04	98.59
133.0-134.0	2.5	0.2	515.0	0.04	98.63
134.0-135.0	2.6	0.2	515.2	0.04	98.67
135.0-136.0	2.7	0.2	515.4	0.04	98.71
136.0-137.0	2.7	0.2	515.6	0.04	98.75
137.0-138.0	2.8	0.2	515.9	0.04	98.79
138.0-139.0	2.9	0.2	516.1	0.04	98.83
139.0-140.0	3.0	0.2	516.3	0.04	98.87
140.0-141.0	3.1	0.2	516.5	0.04	98.91
141.0-142.0	3.1	0.2	516.7	0.04	98.95
142.0-143.0	3.2	0.2	516.9	0.04	98.99
143.0-144.0	3.3	0.2	517.1	0.04	99.03

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.4	0.2	517.4	0.04	99.08
145.0-146.0	3.5	0.2	517.6	0.04	99.12
146.0-147.0	3.6	0.2	517.8	0.04	99.16
147.0-148.0	3.7	0.2	518.0	0.04	99.20
148.0-149.0	3.7	0.2	518.2	0.04	99.24
149.0-150.0	3.8	0.2	518.4	0.04	99.28
150.0-151.0	3.9	0.2	518.6	0.04	99.32
151.0-152.0	4.0	0.2	518.9	0.04	99.36
152.0-153.0	4.1	0.2	519.1	0.04	99.40
153.0-154.0	4.1	0.2	519.3	0.04	99.44
154.0-155.0	4.2	0.2	519.5	0.04	99.48
155.0-156.0	4.3	0.2	519.7	0.04	99.52
156.0-157.0	4.4	0.2	519.8	0.04	99.55
157.0-158.0	4.4	0.2	520.0	0.04	99.59
158.0-159.0	4.5	0.2	520.2	0.03	99.62
159.0-160.0	4.5	0.2	520.4	0.03	99.66
160.0-161.0	4.6	0.2	520.6	0.03	99.69
161.0-162.0	4.6	0.2	520.7	0.03	99.72
162.0-163.0	4.7	0.2	520.9	0.03	99.75
163.0-164.0	4.7	0.1	521.0	0.03	99.78
164.0-165.0	4.8	0.1	521.2	0.03	99.80
165.0-166.0	4.8	0.1	521.3	0.03	99.83
166.0-167.0	4.8	0.1	521.4	0.02	99.85
167.0-168.0	4.8	0.1	521.5	0.02	99.87
168.0-169.0	4.8	0.1	521.6	0.02	99.89
169.0-170.0	4.8	0.1	521.7	0.02	99.91
170.0-171.0	4.8	0.1	521.8	0.02	99.93
171.0-172.0	4.8	0.1	521.9	0.01	99.94
172.0-173.0	4.8	0.1	522.0	0.01	99.96
173.0-174.0	4.8	0.1	522.0	0.01	99.97
174.0-175.0	4.8	0.1	522.1	0.01	99.98
175.0-176.0	4.8	0.0	522.1	0.01	99.99
176.0-177.0	4.8	0.0	522.1	0.01	99.99
177.0-178.0	4.8	0.0	522.2	0.00	100.00
178.0-179.0	4.8	0.0	522.2	0.00	100.00
179.0-180.0	4.8	0.0	522.2	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: