

Report No.:

Test Time: 2023/2/20 15:24

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: 大炮
Lamp Catalog: RGBW
Luminous Width (mm): 70
Voltage: 219.2 V
Power: 32.90 W

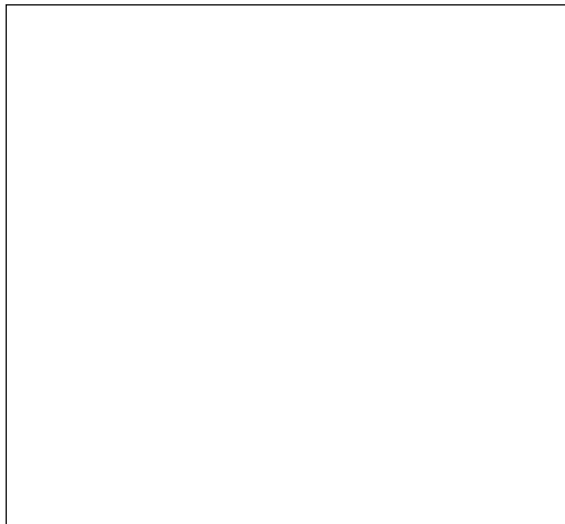
Luminaire Description: 20
Luminous Length (mm): 270
Luminous Height (mm): 20
Current: 0.161 A
Power Factor: 0.932

Photometric Results

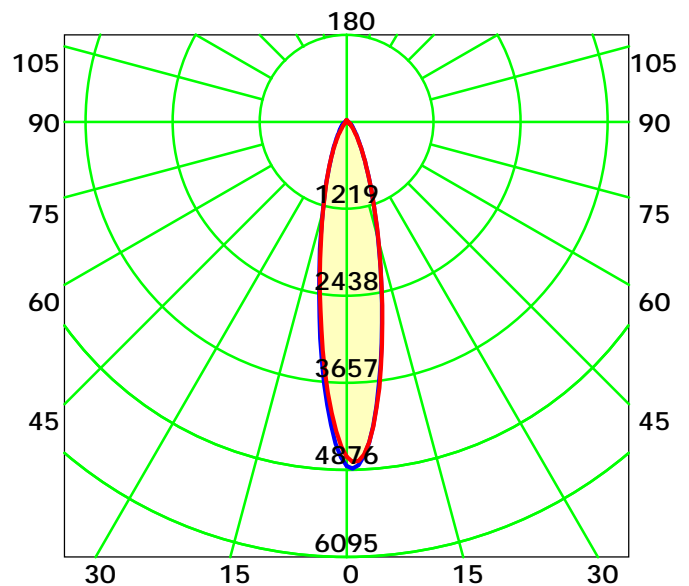
CIE Class: Direct
Measurement Flux: 1488.7 lm
Downward Ratio: 93%
Horizontal Diffuse Angle(10%,50%): H52.4,H21
Vertical Diffuse Angle(10%,50%): V52.6,V21.2
Luminaire Efficacy Rating (LER): 45
Max. Intensity: 4856.57 cd

Total Rated Lamp Lumens: 1488.7 lm
Efficiency: 100%
Upward Ratio: 7%
Central Intensity: 4819.86 cd
Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



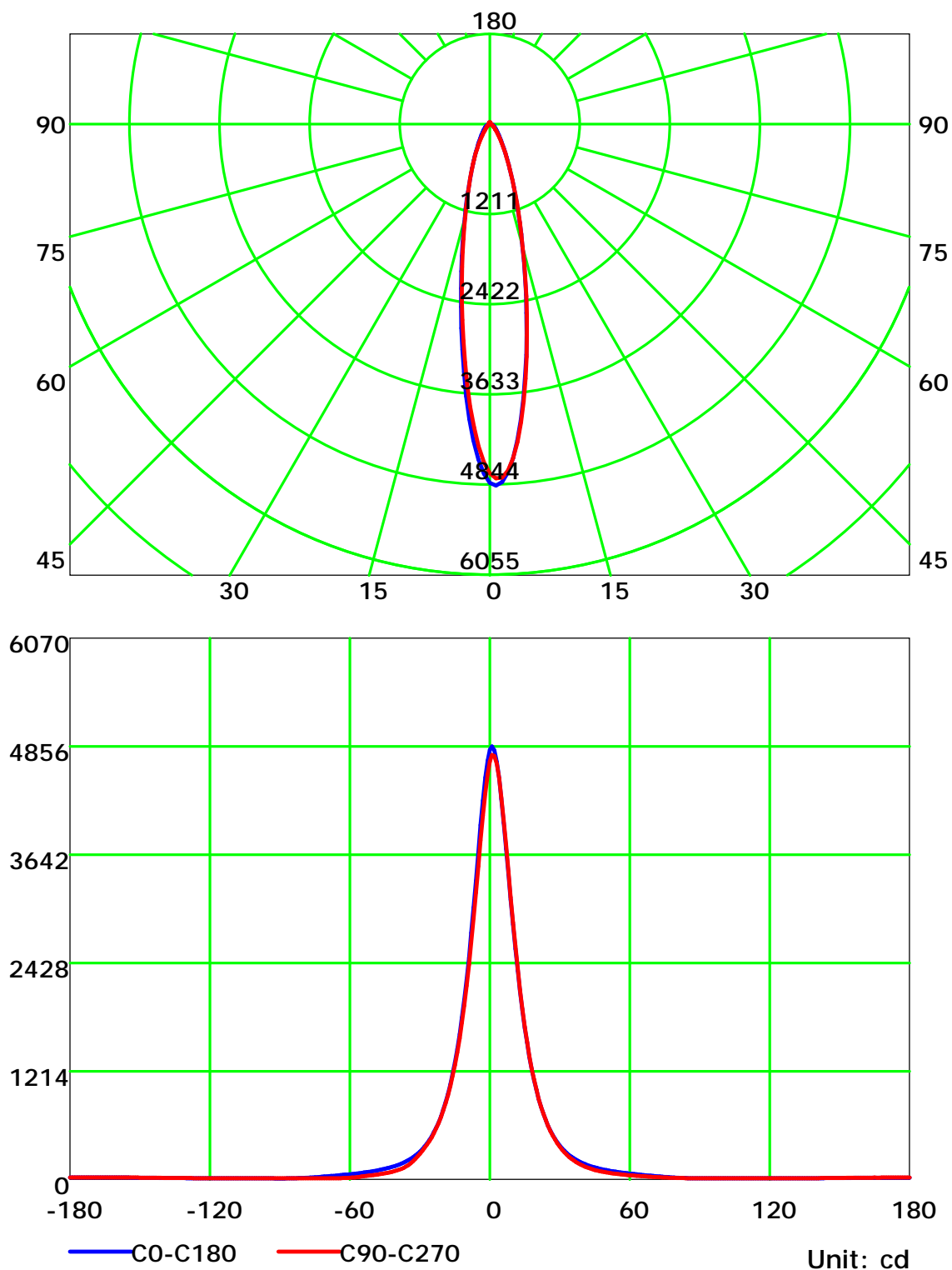
Average Diffuse Angle(50%): 21.1° Unit: cd

— 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:

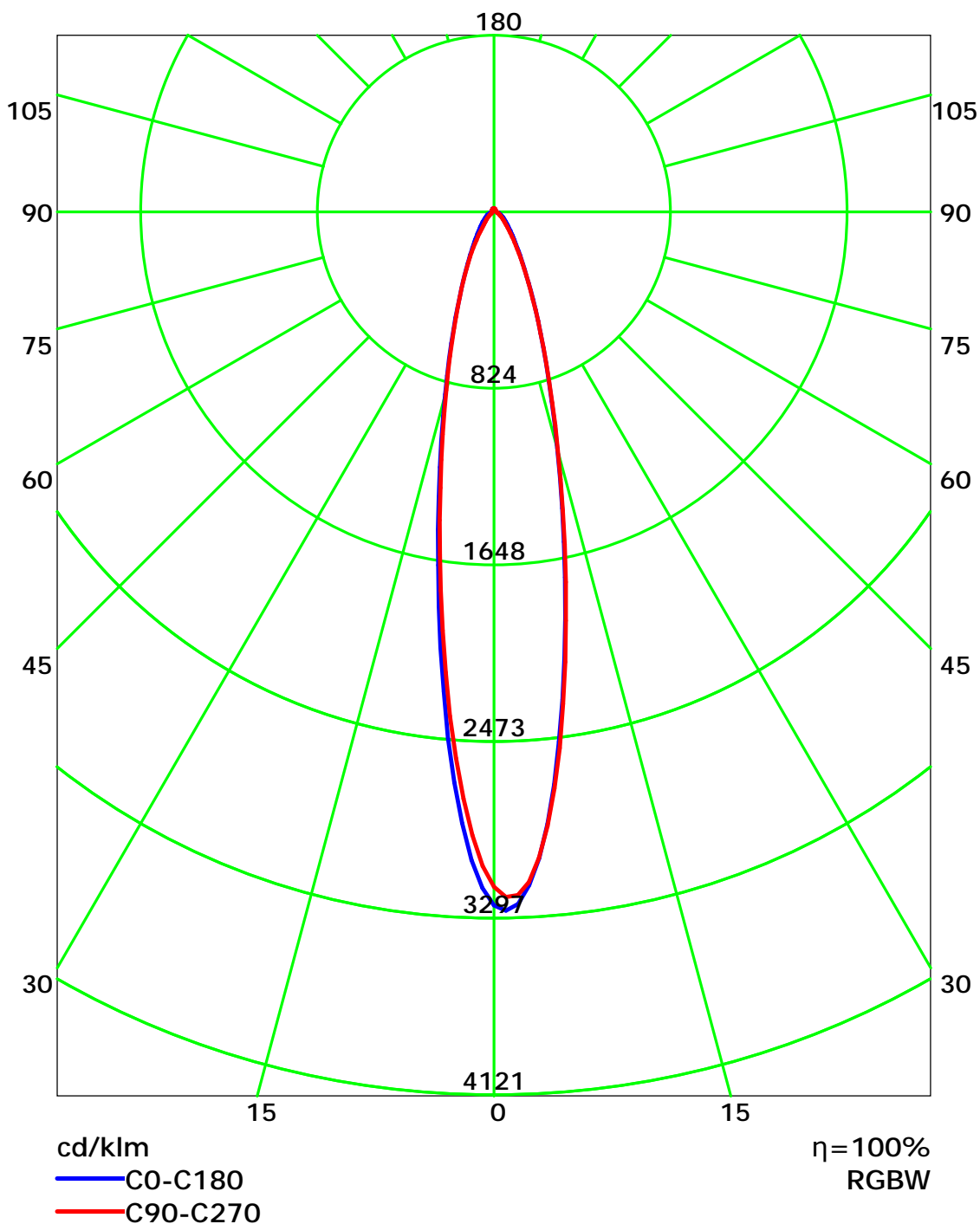
Luminous Intensity Distribution Curve



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)



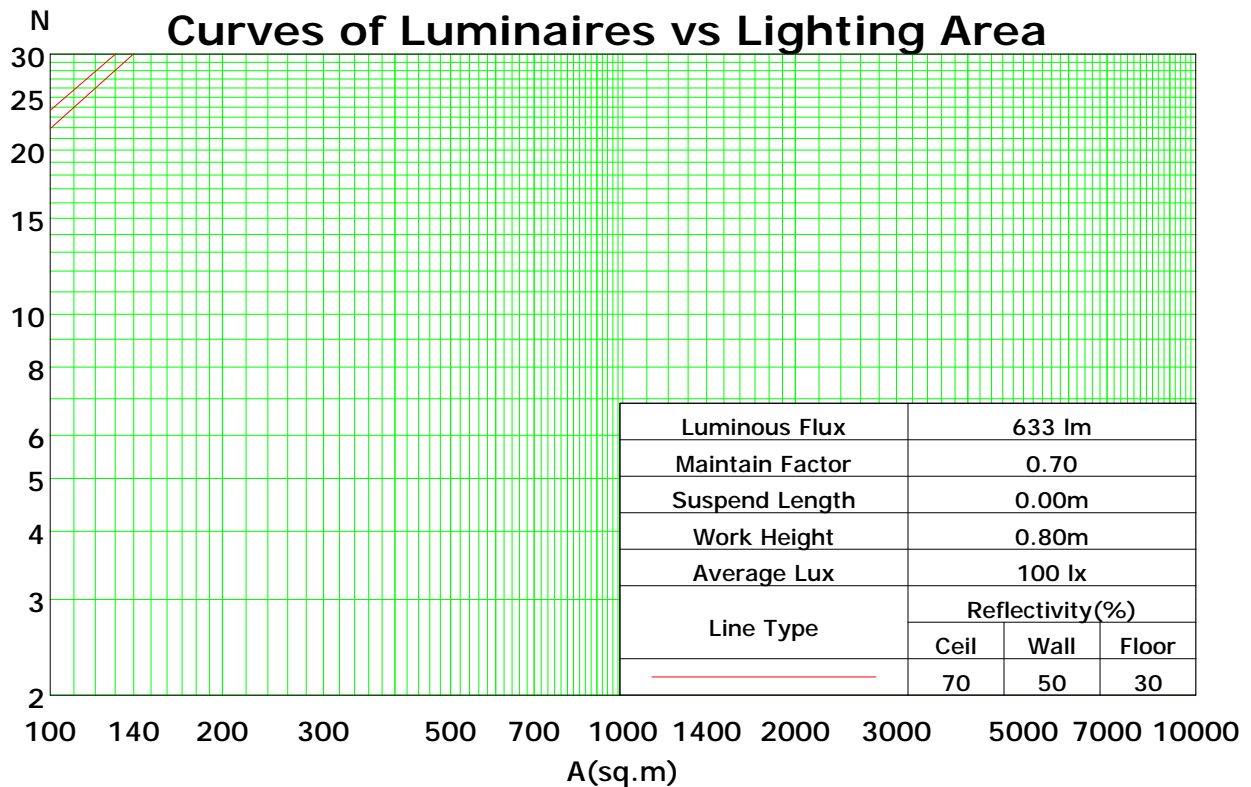
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	111	108	105	102	108	105	102	100	99	97	96	94	93	92	90	89	88	85
2	105	100	95	92	102	97	94	90	93	90	87	89	86	84	85	83	81	79
3	100	93	88	84	97	91	86	83	87	84	80	84	81	78	81	78	76	74
4	95	87	82	77	93	86	80	76	82	78	75	80	76	73	77	74	71	70
5	91	82	76	72	88	81	75	71	78	74	70	76	72	69	73	70	68	66
6	87	78	72	68	85	77	71	67	74	70	66	72	68	65	70	67	64	63
7	83	74	68	64	81	73	67	64	71	66	63	69	65	62	67	64	61	60
8	79	70	65	61	78	70	64	60	68	63	60	66	62	59	65	61	58	57
9	76	67	62	58	75	67	61	58	65	60	57	64	60	57	62	59	56	55
10	74	64	59	55	72	64	59	55	63	58	55	61	57	54	60	56	54	53

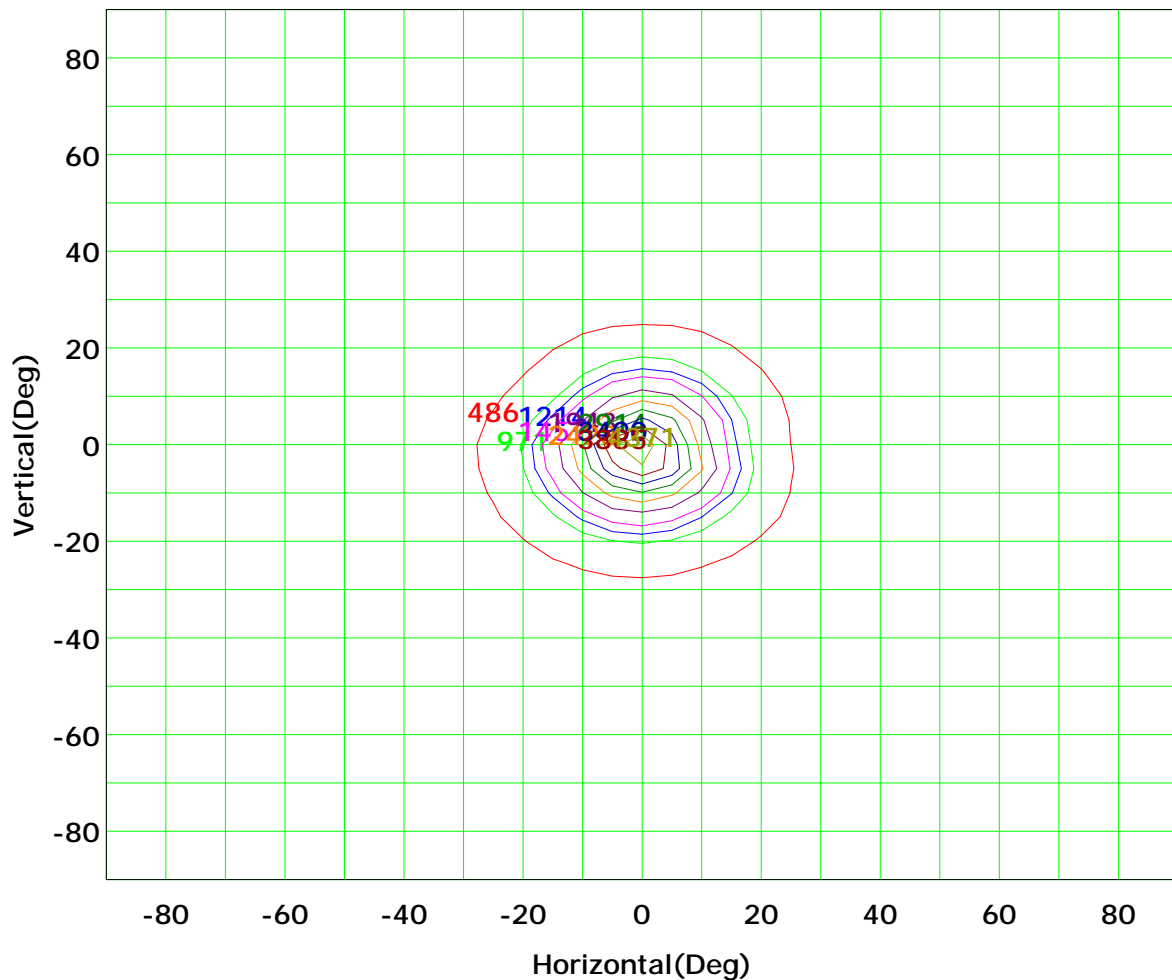
Spacing Criteria (0-180): 0.36
Spacing Criteria (90-270): 0.36
Spacing Criteria (Diagonal): 0.40



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:

Isocandela (rectangle)



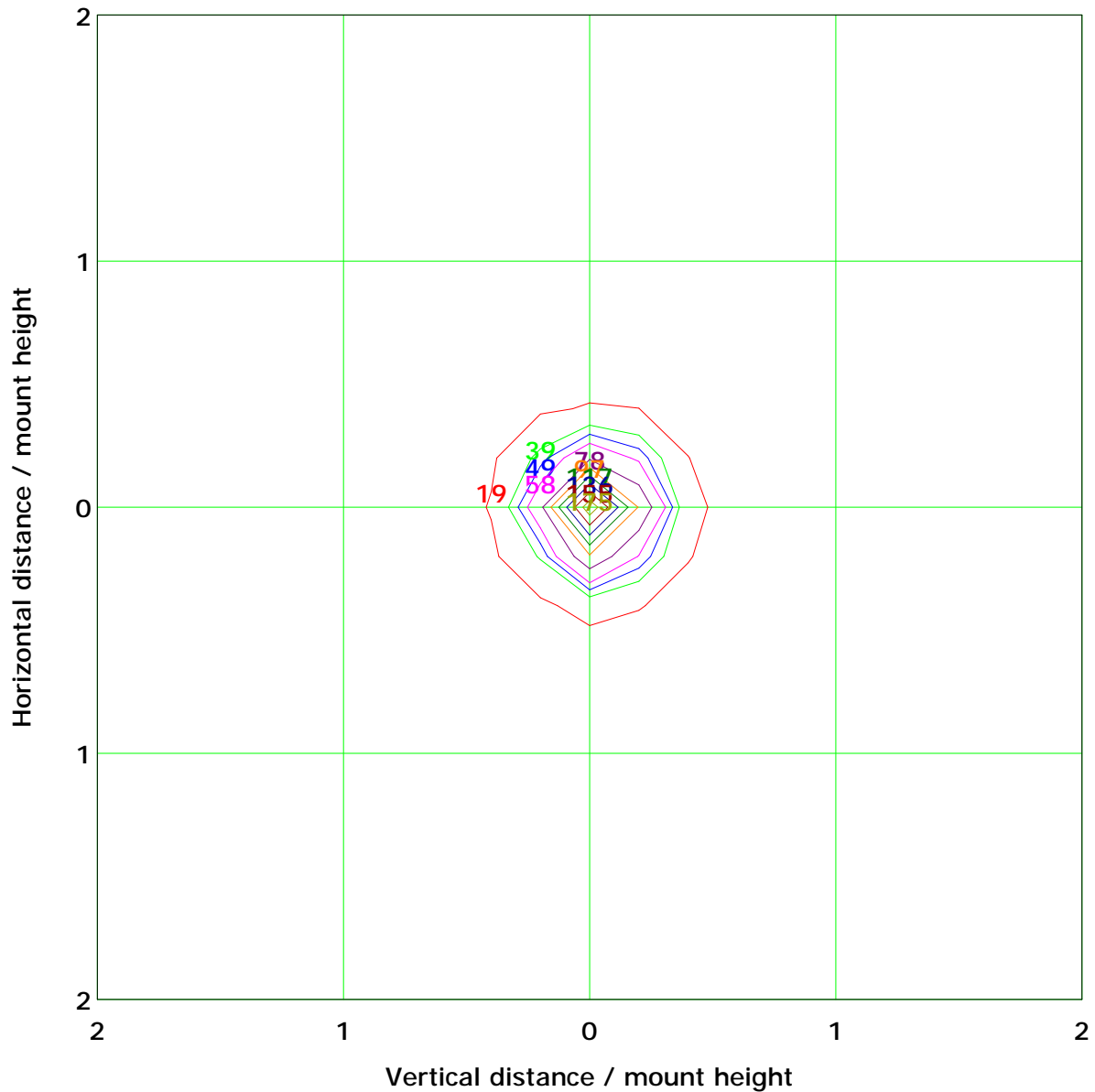
Imax (100%): 4857 cd

(10%): 486 cd	(20%): 971 cd
(25%): 1214 cd	(30%): 1457 cd
(40%): 1943 cd	(50%): 2428 cd
(60%): 2914 cd	(70%): 3400 cd
(80%): 3885 cd	(90%): 4371 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%): 194.2 lx	
(10%): 19.4 lx	(20%): 38.8 lx
(25%): 48.5 lx	(30%): 58.3 lx
(40%): 77.7 lx	(50%): 97.1 lx
(60%): 116.5 lx	(70%): 135.9 lx
(80%): 155.3 lx	(90%): 174.8 lx

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

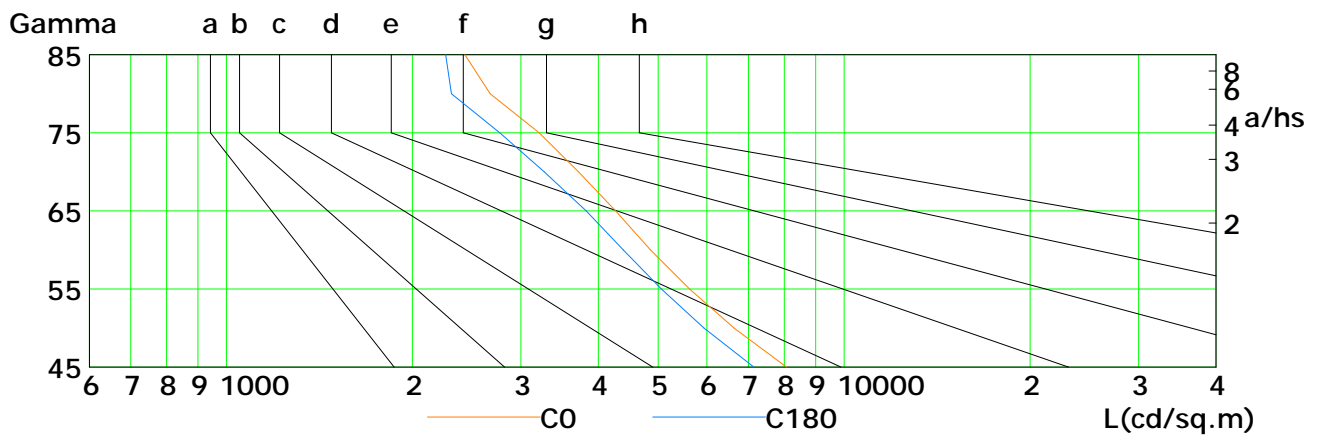
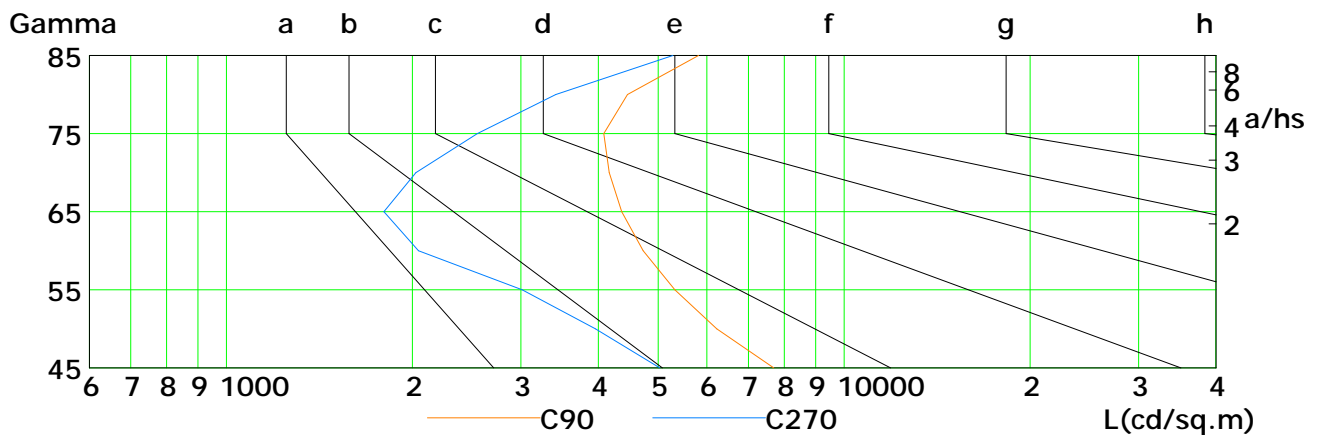
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



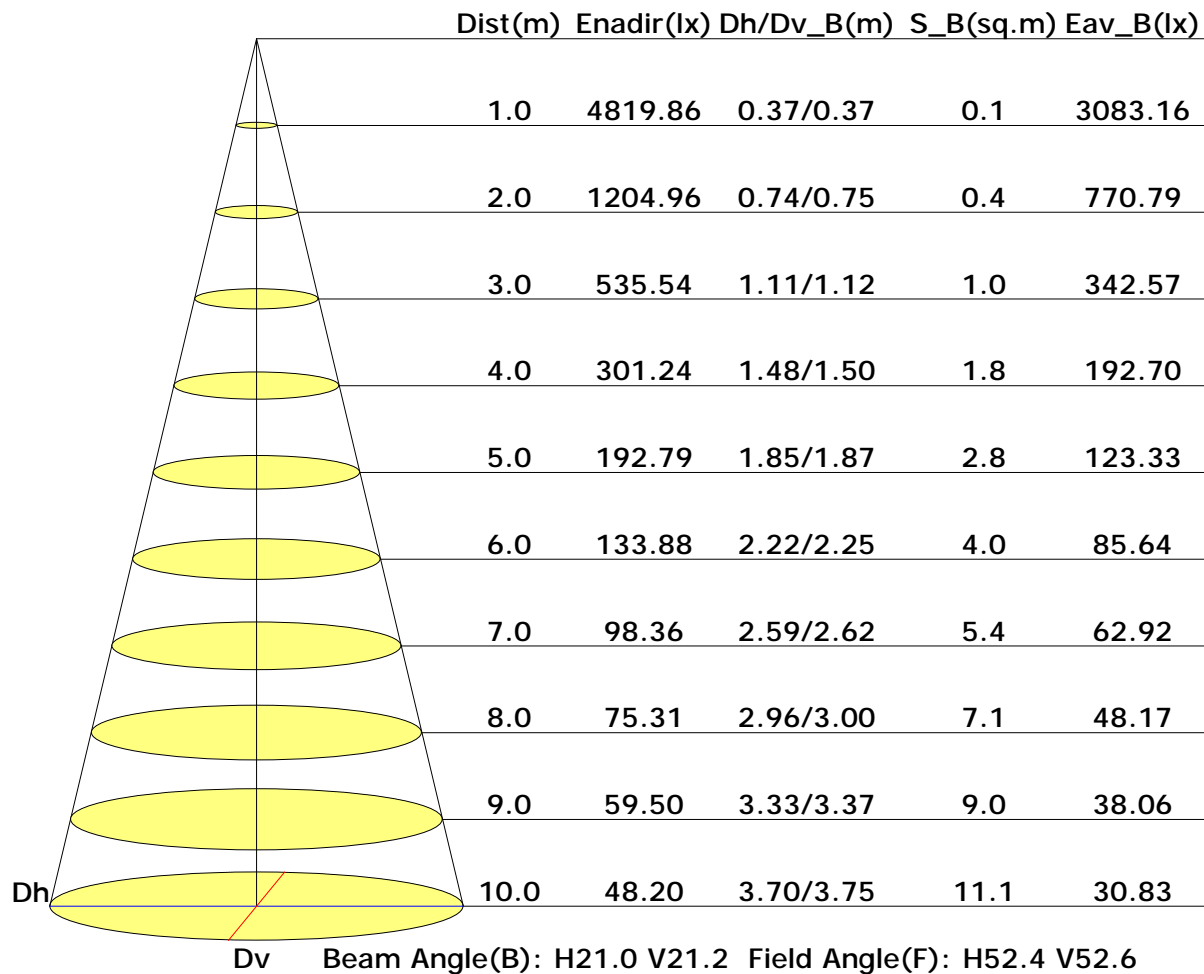
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8074	6635	5621	4863	4269	3718	3208	2674	2434
C90	7692	6222	5326	4729	4365	4169	4086	4461	5815
C180	7147	5930	5061	4394	3823	3271	2771	2314	2266
C270	5033	3959	3013	2046	1800	2027	2550	3416	5283

C Plane (°):0.0-360.0: 30.0
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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:



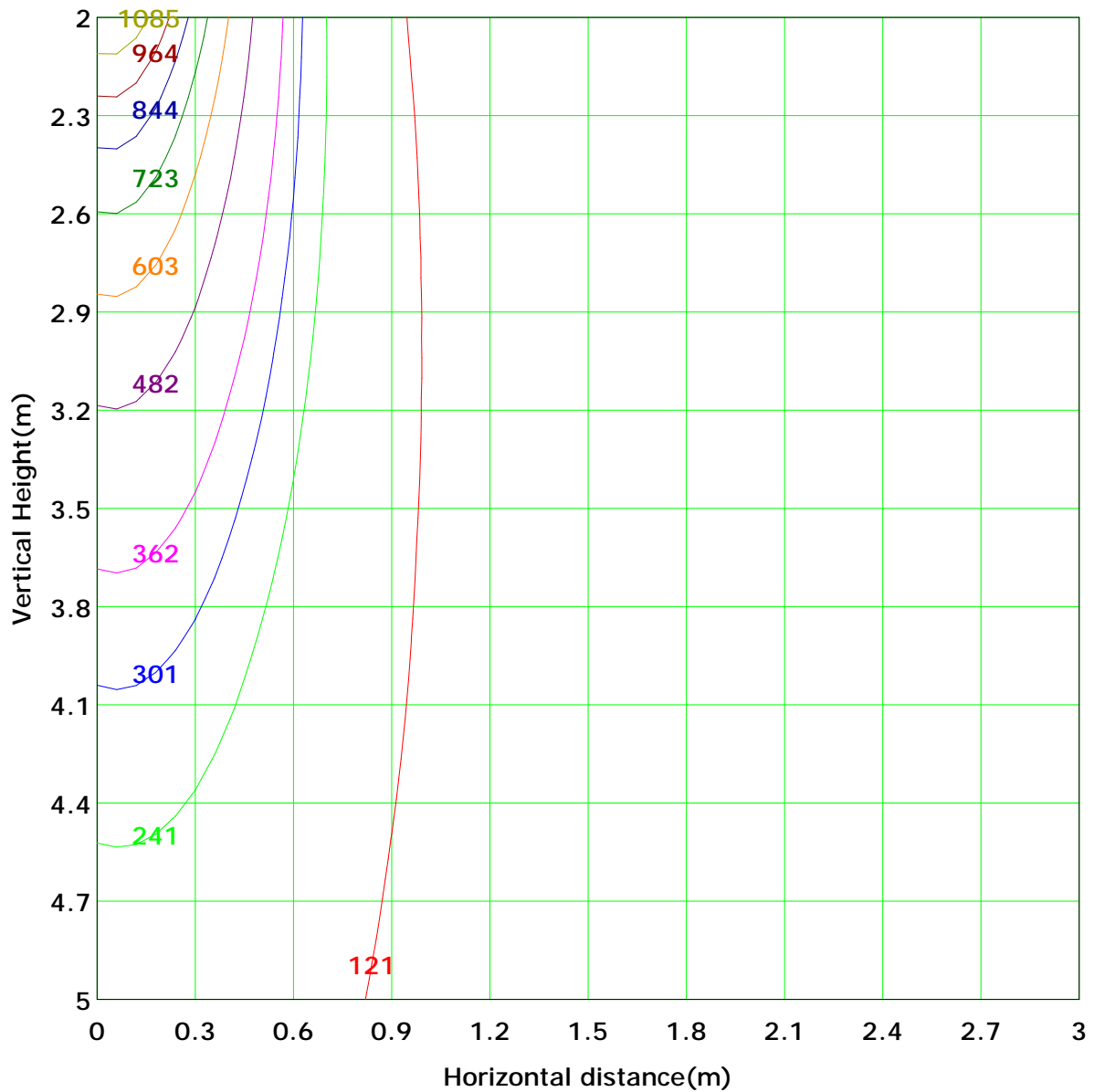
Illuminance at a Distance



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: 1205.0 lx
(10%): 120.5 lx	(20%): 241.0 lx	
(25%): 301.3 lx	(30%): 361.5 lx	
(40%): 482.0 lx	(50%): 602.5 lx	
(60%): 723.0 lx	(70%): 843.5 lx	
(80%): 964.0 lx	(90%): 1084.5 lx	

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

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

Area Flux Table

Unit: lm

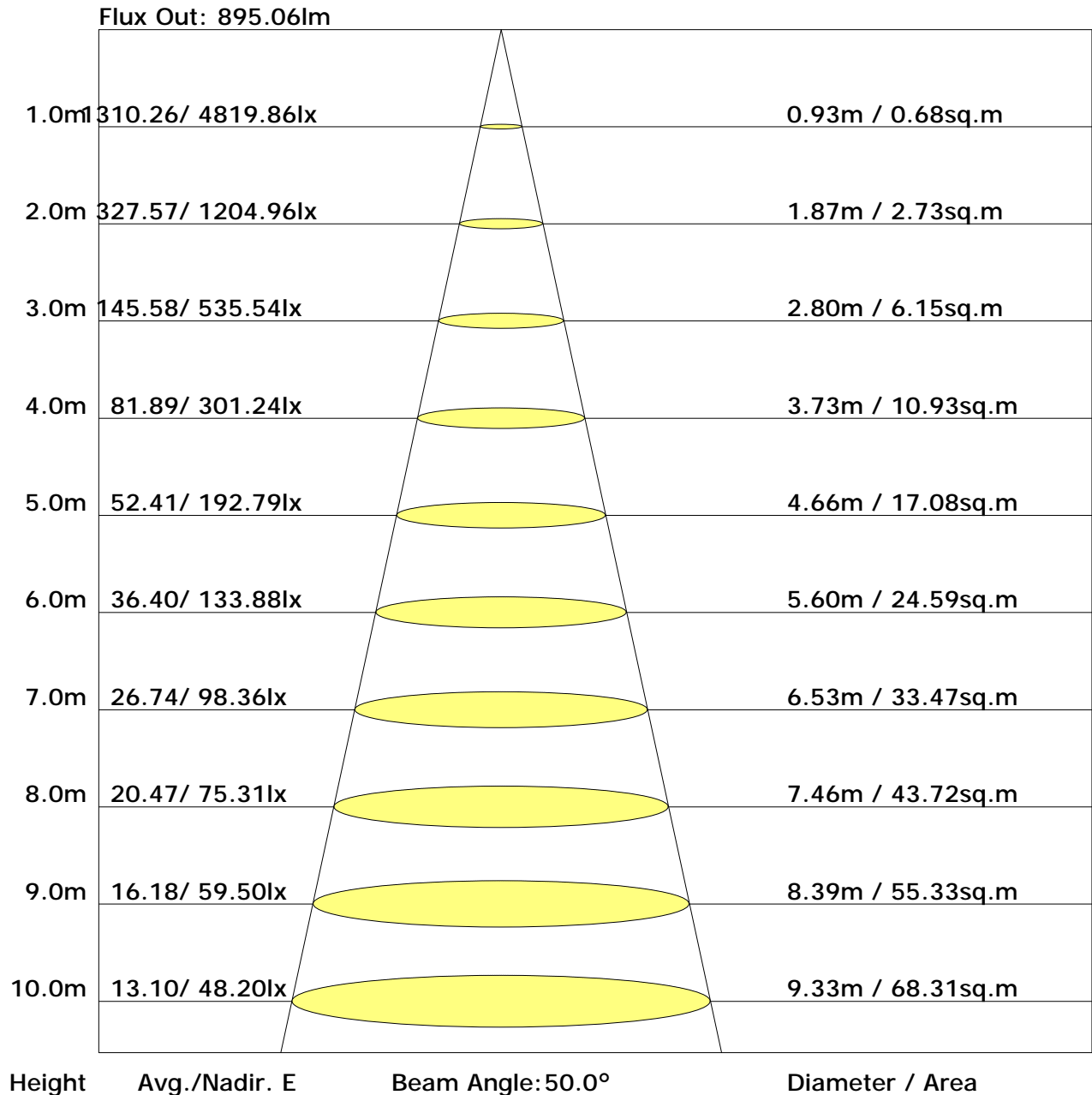
		Orbit: m1																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(E)	Flux(T)
Vertical plane		0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.0	5.5	0.0
		0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.1	0.0	5.6	0.0
		0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.0	6.5	0.0
		0.0	0.1	0.3	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	0.9	0.9	0.8	0.6	0.4	0.3	0.2	0.0	10.9	0.0
		0.0	0.2	0.3	0.6	1.0	1.4	1.7	2.1	2.3	2.3	2.1	1.7	1.4	1.0	0.6	0.4	0.3	0.2	0.0	19.2	0.0
		0.0	0.2	0.4	0.8	1.5	2.3	3.2	4.5	5.3	5.3	4.4	3.1	2.2	1.4	0.8	0.5	0.2	0.2	0.0	36.2	0.0
		0.0	0.2	0.5	1.0	2.0	3.5	6.1	10.4	14.4	14.0	9.8	5.7	3.3	2.0	1.1	0.5	0.2	0.2	0.0	74.9	17.9
		0.0	0.2	0.6	1.2	2.4	4.7	9.9	21.7	37.5	36.1	20.1	9.4	4.7	2.5	1.3	0.6	0.2	0.2	0.0	153.5	114.6
		0.0	0.2	0.6	1.3	2.7	5.5	13.4	36.8	87.8	86.2	39.5	15.1	6.2	2.9	1.5	0.7	0.3	0.3	0.1	300.7	268.3
		0.0	0.2	0.6	1.4	2.7	5.7	14.4	42.4	103.7	106.6	47.8	16.8	6.5	3.0	1.5	0.7	0.3	0.3	0.1	354.4	322.6
		0.0	0.2	0.6	1.3	2.5	5.1	11.7	26.8	48.2	49.3	28.0	12.3	5.5	2.7	1.4	0.7	0.3	0.3	0.0	196.8	161.7
		0.0	0.2	0.6	1.2	2.2	4.0	7.2	12.4	17.9	18.3	13.0	7.5	4.1	2.3	1.2	0.6	0.2	0.2	0.0	93.0	37.8
		0.0	0.2	0.5	1.0	1.8	2.8	4.1	5.8	7.2	7.3	6.1	4.3	2.8	1.8	1.0	0.5	0.2	0.2	0.0	47.5	0.0
		0.0	0.2	0.4	0.9	1.4	1.9	2.5	3.0	3.4	3.4	3.1	2.5	1.9	1.3	0.8	0.5	0.2	0.2	0.0	27.5	0.0
		0.0	0.2	0.4	0.7	1.0	1.3	1.6	1.8	2.0	2.0	1.8	1.6	1.3	1.0	0.6	0.4	0.2	0.2	0.0	17.8	0.0
		0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.2	1.2	1.0	0.9	0.7	0.5	0.3	0.1	0.1	0.0	12.1	0.0
		0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.1	0.0	8.2	0.0
		0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	6.1	0.0	
		0.8	3.1	7.3	13.9	24.4	42.3	80.3	172.8	334.8	336.0	180.7	84.5	43.9	25.1	14.4	7.7	3.3	0.8	1376		
Flux(E)		0.0	0.0	0.0	0.0	0.0	0.0	22.3	132.5	298.8	299.7	139.9	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	923	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																						

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
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
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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	12.4	13.4	12.9	13.9	14.4	10.8	11.8	11.3	12.3	12.8
3H	14.1	15.0	14.6	15.4	16.0	12.2	13.1	12.7	13.6	14.1
4H	14.7	15.6	15.3	16.1	16.7	12.8	13.6	13.3	14.1	14.7
6H	15.4	16.1	15.9	16.7	17.2	13.3	14.1	13.9	14.6	15.2
8H	15.6	16.4	16.2	16.9	17.5	13.6	14.3	14.1	14.8	15.4
12H	15.9	16.6	16.5	17.2	17.8	13.8	14.5	14.4	15.1	15.7
X=4H Y=2H	12.5	13.4	13.0	13.9	14.4	11.4	12.2	11.9	12.7	13.3
3H	14.3	15.0	14.9	15.6	16.2	13.0	13.7	13.5	14.3	14.8
4H	15.1	15.8	15.7	16.3	17.0	13.7	14.3	14.3	14.9	15.5
6H	15.9	16.5	16.5	17.1	17.7	14.4	14.9	15.0	15.5	16.2
8H	16.3	16.8	16.9	17.4	18.0	14.7	15.2	15.3	15.8	16.4
12H	16.7	17.2	17.3	17.8	18.4	15.0	15.5	15.6	16.1	16.7
X=8H Y=4H	15.2	15.7	15.8	16.3	16.9	14.0	14.6	14.6	15.1	15.8
6H	16.1	16.5	16.7	17.2	17.8	14.9	15.3	15.5	15.9	16.6
8H	16.6	17.0	17.3	17.6	18.3	15.3	15.7	16.0	16.3	17.0
12H	17.2	17.5	17.8	18.1	18.9	15.8	16.1	16.4	16.7	17.5
X=12H Y=4H	15.2	15.6	15.8	16.3	16.9	14.1	14.5	14.7	15.1	15.8
6H	16.1	16.5	16.8	17.1	17.8	15.0	15.4	15.6	16.0	16.7
8H	16.7	17.0	17.3	17.6	18.4	15.5	15.8	16.1	16.4	17.2

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	0.79	0.86	0.90	0.94	0.98	1.02	1.04	1.06	1.08
	0.30		0.74	0.81	0.85	0.89	0.94	0.98	1.00	1.04	1.06
	0.20		0.70	0.77	0.82	0.85	0.91	0.95	0.97	1.01	1.04
0.50	0.50	0.20	0.77	0.83	0.87	0.90	0.94	0.97	0.99	1.01	1.03
	0.30		0.72	0.79	0.83	0.86	0.91	0.94	0.96	0.99	1.01
	0.20		0.69	0.75	0.80	0.83	0.88	0.91	0.94	0.97	0.99
0.30	0.50	0.20	0.75	0.81	0.84	0.87	0.91	0.93	0.94	0.96	0.98
	0.30		0.71	0.77	0.81	0.84	0.88	0.90	0.92	0.95	0.96
	0.20		0.68	0.74	0.78	0.81	0.86	0.88	0.90	0.93	0.95
0.00	0.00	0.00	0.66	0.71	0.75	0.77	0.81	0.83	0.85	0.87	0.89
Rating: 33W 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	0.66	0.55	0.46	0.40	0.32	0.27	0.23	0.18	0.15
	0.30		0.55	0.47	0.40	0.36	0.29	0.25	0.21	0.17	0.14
	0.20		0.48	0.41	0.36	0.32	0.26	0.23	0.20	0.16	0.13
0.50	0.50	0.20	0.62	0.50	0.43	0.37	0.29	0.28	0.21	0.16	0.13
	0.30		0.52	0.44	0.38	0.33	0.27	0.23	0.20	0.15	0.13
	0.20		0.45	0.39	0.34	0.30	0.25	0.21	0.18	0.15	0.12
0.30	0.50	0.20	0.58	0.47	0.39	0.34	0.27	0.22	0.19	0.15	0.12
	0.30		0.50	0.41	0.35	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.43	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11
0.00	0.00	0.00	0.29	0.24	0.20	0.18	0.14	0.12	0.10	0.08	0.06
Rating: 33W 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	0.21	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.29
	0.30		0.16	0.18	0.20	0.21	0.23	0.24	0.25	0.26	0.27
	0.20		0.13	0.15	0.17	0.18	0.20	0.21	0.23	0.24	0.25
0.50	0.50	0.20	0.20	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.27
	0.30		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26
	0.20		0.13	0.15	0.16	0.18	0.20	0.21	0.22	0.23	0.24
0.30	0.50	0.20	0.20	0.21	0.22	0.23	0.24	0.25	0.25	0.26	0.26
	0.30		0.16	0.17	0.19	0.20	0.21	0.22	0.23	0.24	0.25
	0.20		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.24
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Rating: 33W 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	4695.8	4.5	4.5	0.30	0.30
1.0-2.0	4621.7	13.3	17.8	0.89	1.19
2.0-3.0	4480.2	21.4	39.2	1.44	2.63
3.0-4.0	4283.6	28.7	67.9	1.93	4.56
4.0-5.0	4044.3	34.8	102.7	2.34	6.90
5.0-6.0	3774.8	39.7	142.3	2.67	9.56
6.0-7.0	3491.8	43.3	185.7	2.91	12.47
7.0-8.0	3208.0	45.9	231.6	3.08	15.56
8.0-9.0	2929.4	47.5	279.1	3.19	18.75
9.0-10.0	2662.7	48.2	327.3	3.24	21.98
10.0-11.0	2410.7	48.2	375.5	3.24	25.22
11.0-12.0	2175.8	47.6	423.0	3.20	28.42
12.0-13.0	1961.6	46.6	469.6	3.13	31.54
13.0-14.0	1766.3	45.2	514.8	3.04	34.58
14.0-15.0	1586.8	43.6	558.4	2.93	37.51
15.0-16.0	1426.8	41.8	600.2	2.81	40.32
16.0-17.0	1285.8	40.0	640.2	2.69	43.01
17.0-18.0	1157.1	38.2	678.4	2.56	45.57
18.0-19.0	1042.1	36.3	714.6	2.44	48.00
19.0-20.0	940.7	34.4	749.1	2.31	50.32
20.0-21.0	849.1	32.6	781.7	2.19	52.51
21.0-22.0	766.7	30.8	812.5	2.07	54.58
22.0-23.0	693.8	29.1	841.6	1.96	56.53
23.0-24.0	629.0	27.5	869.1	1.85	58.38
24.0-25.0	570.4	25.9	895.1	1.74	60.12
25.0-26.0	518.2	24.5	919.5	1.64	61.77
26.0-27.0	471.5	23.1	942.6	1.55	63.32
27.0-28.0	429.8	21.8	964.4	1.46	64.78
28.0-29.0	392.6	20.5	984.9	1.38	66.16
29.0-30.0	359.2	19.4	1004.3	1.30	67.46
30.0-31.0	329.1	18.3	1022.6	1.23	68.69
31.0-32.0	301.8	17.3	1039.9	1.16	69.85
32.0-33.0	277.3	16.3	1056.3	1.10	70.95
33.0-34.0	254.9	15.4	1071.7	1.04	71.99
34.0-35.0	234.6	14.6	1086.3	0.98	72.97
35.0-36.0	216.6	13.8	1100.1	0.93	73.89

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	200.4	13.1	1113.1	0.88	74.77
37.0-38.0	185.5	12.4	1125.5	0.83	75.60
38.0-39.0	172.2	11.8	1137.3	0.79	76.39
39.0-40.0	160.2	11.2	1148.4	0.75	77.14
40.0-41.0	149.4	10.6	1159.1	0.71	77.86
41.0-42.0	139.7	10.2	1169.2	0.68	78.54
42.0-43.0	131.1	9.7	1178.9	0.65	79.19
43.0-44.0	123.0	9.3	1188.2	0.62	79.82
44.0-45.0	115.7	8.9	1197.1	0.60	80.41
45.0-46.0	109.0	8.5	1205.6	0.57	80.99
46.0-47.0	102.8	8.2	1213.8	0.55	81.53
47.0-48.0	97.0	7.8	1221.7	0.53	82.06
48.0-49.0	91.8	7.5	1229.2	0.51	82.57
49.0-50.0	86.9	7.2	1236.4	0.49	83.05
50.0-51.0	82.3	7.0	1243.4	0.47	83.52
51.0-52.0	77.9	6.7	1250.1	0.45	83.97
52.0-53.0	73.8	6.4	1256.5	0.43	84.40
53.0-54.0	70.0	6.2	1262.7	0.41	84.82
54.0-55.0	66.4	5.9	1268.6	0.40	85.22
55.0-56.0	63.0	5.7	1274.3	0.38	85.60
56.0-57.0	59.7	5.5	1279.8	0.37	85.96
57.0-58.0	56.6	5.2	1285.0	0.35	86.32
58.0-59.0	53.7	5.0	1290.0	0.34	86.65
59.0-60.0	50.9	4.8	1294.8	0.32	86.98
60.0-61.0	48.2	4.6	1299.4	0.31	87.28
61.0-62.0	45.7	4.4	1303.8	0.30	87.58
62.0-63.0	43.3	4.2	1308.0	0.28	87.86
63.0-64.0	41.2	4.0	1312.1	0.27	88.14
64.0-65.0	39.1	3.9	1315.9	0.26	88.40
65.0-66.0	37.3	3.7	1319.7	0.25	88.65
66.0-67.0	35.7	3.6	1323.3	0.24	88.89
67.0-68.0	34.0	3.4	1326.7	0.23	89.12
68.0-69.0	32.3	3.3	1330.0	0.22	89.34
69.0-70.0	30.9	3.2	1333.2	0.21	89.55
70.0-71.0	29.5	3.0	1336.2	0.20	89.76
71.0-72.0	28.1	2.9	1339.1	0.20	89.95

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	26.8	2.8	1341.9	0.19	90.14
73.0-74.0	25.4	2.7	1344.6	0.18	90.32
74.0-75.0	24.2	2.6	1347.2	0.17	90.49
75.0-76.0	23.2	2.5	1349.6	0.17	90.66
76.0-77.0	22.1	2.4	1352.0	0.16	90.82
77.0-78.0	21.2	2.3	1354.3	0.15	90.97
78.0-79.0	20.4	2.2	1356.4	0.15	91.12
79.0-80.0	19.6	2.1	1358.6	0.14	91.26
80.0-81.0	18.8	2.0	1360.6	0.14	91.39
81.0-82.0	18.2	2.0	1362.6	0.13	91.53
82.0-83.0	17.6	1.9	1364.5	0.13	91.66
83.0-84.0	17.2	1.9	1366.4	0.13	91.78
84.0-85.0	16.8	1.8	1368.2	0.12	91.90
85.0-86.0	16.5	1.8	1370.0	0.12	92.03
86.0-87.0	16.3	1.8	1371.8	0.12	92.15
87.0-88.0	16.2	1.8	1373.6	0.12	92.27
88.0-89.0	16.0	1.8	1375.3	0.12	92.38
89.0-90.0	16.0	1.8	1377.1	0.12	92.50
90.0-91.0	16.0	1.8	1378.8	0.12	92.62
91.0-92.0	16.0	1.8	1380.6	0.12	92.74
92.0-93.0	16.0	1.8	1382.3	0.12	92.85
93.0-94.0	16.0	1.7	1384.1	0.12	92.97
94.0-95.0	16.0	1.7	1385.8	0.12	93.09
95.0-96.0	16.0	1.7	1387.6	0.12	93.21
96.0-97.0	16.0	1.7	1389.3	0.12	93.32
97.0-98.0	15.9	1.7	1391.0	0.12	93.44
98.0-99.0	15.9	1.7	1392.8	0.12	93.56
99.0-100.0	15.9	1.7	1394.5	0.12	93.67
100.0-101.0	15.9	1.7	1396.2	0.12	93.79
101.0-102.0	15.9	1.7	1397.9	0.11	93.90
102.0-103.0	15.8	1.7	1399.6	0.11	94.01
103.0-104.0	15.8	1.7	1401.3	0.11	94.13
104.0-105.0	15.8	1.7	1403.0	0.11	94.24
105.0-106.0	15.8	1.7	1404.6	0.11	94.35
106.0-107.0	15.9	1.7	1406.3	0.11	94.46
107.0-108.0	15.9	1.7	1408.0	0.11	94.58

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	15.9	1.7	1409.6	0.11	94.69
109.0-110.0	15.9	1.6	1411.3	0.11	94.80
110.0-111.0	15.9	1.6	1412.9	0.11	94.91
111.0-112.0	15.9	1.6	1414.5	0.11	95.02
112.0-113.0	16.0	1.6	1416.1	0.11	95.13
113.0-114.0	16.0	1.6	1417.7	0.11	95.23
114.0-115.0	16.0	1.6	1419.3	0.11	95.34
115.0-116.0	16.1	1.6	1420.9	0.11	95.45
116.0-117.0	16.1	1.6	1422.5	0.11	95.55
117.0-118.0	16.2	1.6	1424.1	0.11	95.66
118.0-119.0	16.2	1.6	1425.7	0.10	95.76
119.0-120.0	16.3	1.6	1427.2	0.10	95.87
120.0-121.0	16.4	1.5	1428.8	0.10	95.97
121.0-122.0	16.4	1.5	1430.3	0.10	96.08
122.0-123.0	16.5	1.5	1431.8	0.10	96.18
123.0-124.0	16.6	1.5	1433.3	0.10	96.28
124.0-125.0	16.7	1.5	1434.8	0.10	96.38
125.0-126.0	16.8	1.5	1436.3	0.10	96.48
126.0-127.0	16.9	1.5	1437.8	0.10	96.58
127.0-128.0	17.0	1.5	1439.3	0.10	96.68
128.0-129.0	17.1	1.5	1440.8	0.10	96.78
129.0-130.0	17.2	1.5	1442.2	0.10	96.88
130.0-131.0	17.4	1.4	1443.7	0.10	96.98
131.0-132.0	17.5	1.4	1445.1	0.10	97.07
132.0-133.0	17.6	1.4	1446.5	0.10	97.17
133.0-134.0	17.8	1.4	1448.0	0.10	97.26
134.0-135.0	18.0	1.4	1449.4	0.09	97.36
135.0-136.0	18.2	1.4	1450.8	0.09	97.45
136.0-137.0	18.5	1.4	1452.2	0.09	97.55
137.0-138.0	18.6	1.4	1453.5	0.09	97.64
138.0-139.0	18.8	1.4	1454.9	0.09	97.73
139.0-140.0	19.1	1.4	1456.3	0.09	97.82
140.0-141.0	19.3	1.3	1457.6	0.09	97.91
141.0-142.0	19.6	1.3	1459.0	0.09	98.00
142.0-143.0	19.8	1.3	1460.3	0.09	98.09
143.0-144.0	20.0	1.3	1461.6	0.09	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 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	20.3	1.3	1462.9	0.09	98.26
145.0-146.0	20.5	1.3	1464.1	0.09	98.35
146.0-147.0	20.8	1.3	1465.4	0.08	98.43
147.0-148.0	21.0	1.2	1466.6	0.08	98.52
148.0-149.0	21.3	1.2	1467.9	0.08	98.60
149.0-150.0	21.6	1.2	1469.1	0.08	98.68
150.0-151.0	21.8	1.2	1470.2	0.08	98.76
151.0-152.0	22.0	1.2	1471.4	0.08	98.84
152.0-153.0	22.3	1.1	1472.5	0.08	98.91
153.0-154.0	22.5	1.1	1473.6	0.07	98.99
154.0-155.0	22.7	1.1	1474.7	0.07	99.06
155.0-156.0	22.9	1.0	1475.7	0.07	99.13
156.0-157.0	23.1	1.0	1476.7	0.07	99.20
157.0-158.0	23.3	1.0	1477.7	0.07	99.26
158.0-159.0	23.5	0.9	1478.7	0.06	99.33
159.0-160.0	23.6	0.9	1479.6	0.06	99.39
160.0-161.0	23.7	0.9	1480.4	0.06	99.44
161.0-162.0	23.9	0.8	1481.3	0.06	99.50
162.0-163.0	23.9	0.8	1482.1	0.05	99.55
163.0-164.0	24.0	0.7	1482.8	0.05	99.60
164.0-165.0	24.1	0.7	1483.5	0.05	99.65
165.0-166.0	24.1	0.7	1484.2	0.04	99.70
166.0-167.0	24.2	0.6	1484.8	0.04	99.74
167.0-168.0	24.3	0.6	1485.4	0.04	99.78
168.0-169.0	24.3	0.5	1485.9	0.04	99.81
169.0-170.0	24.3	0.5	1486.4	0.03	99.84
170.0-171.0	24.3	0.4	1486.8	0.03	99.87
171.0-172.0	24.2	0.4	1487.2	0.03	99.90
172.0-173.0	24.3	0.3	1487.6	0.02	99.92
173.0-174.0	24.3	0.3	1487.9	0.02	99.94
174.0-175.0	24.2	0.3	1488.1	0.02	99.96
175.0-176.0	24.2	0.2	1488.3	0.01	99.98
176.0-177.0	24.3	0.2	1488.5	0.01	99.99
177.0-178.0	24.2	0.1	1488.6	0.01	99.99
178.0-179.0	24.1	0.1	1488.7	0.00	100.00
179.0-180.0	24.1	0.0	1488.7	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: