

Report No.:

Test Time: 2023/2/21 15:07

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: 大炮
Lamp Catalog: RGBW
Luminous Width (mm): 70
Voltage: 219.4 V
Power: 32.51 W

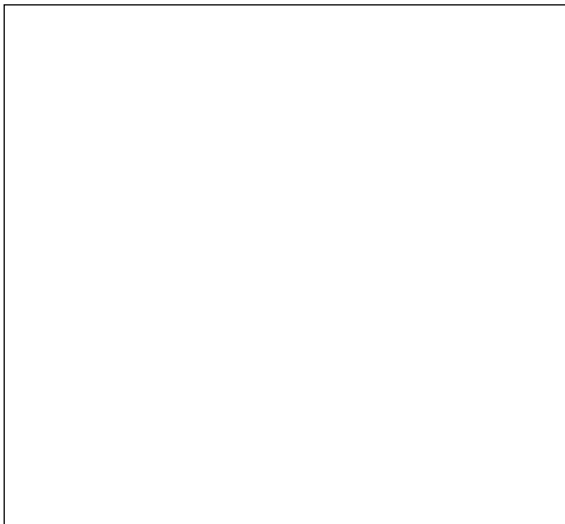
Luminaire Description: 20X45
Luminous Length (mm): 270
Luminous Height (mm): 20
Current: 0.159 A
Power Factor: 0.931

Photometric Results

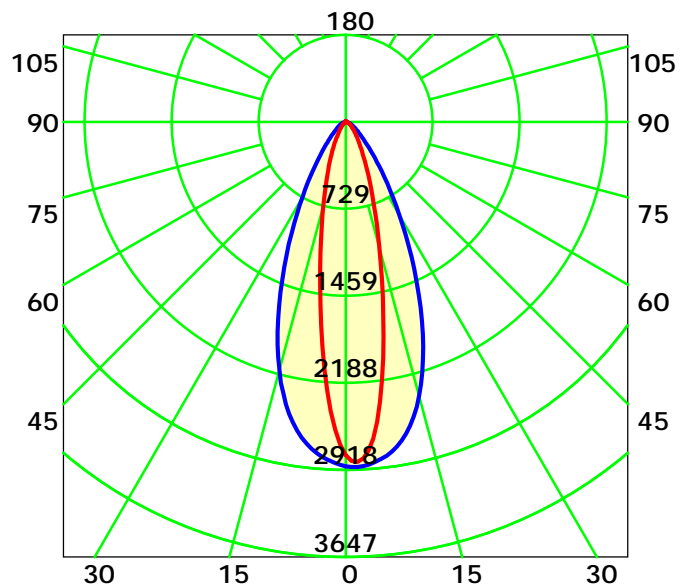
CIE Class: Direct
Measurement Flux: 1291.1 lm
Downward Ratio: 98%
Horizontal Diffuse Angle(10%,50%): H81.8,H46
Vertical Diffuse Angle(10%,50%): V53.5,V21.4
Luminaire Efficacy Rating (LER): 40
Max. Intensity: 2894.79 cd

Total Rated Lamp Lumens: 1291.1 lm
Efficiency: 100%
Upward Ratio: 2%
Central Intensity: 2886.53 cd
Pos of Max. Intensity: H0 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



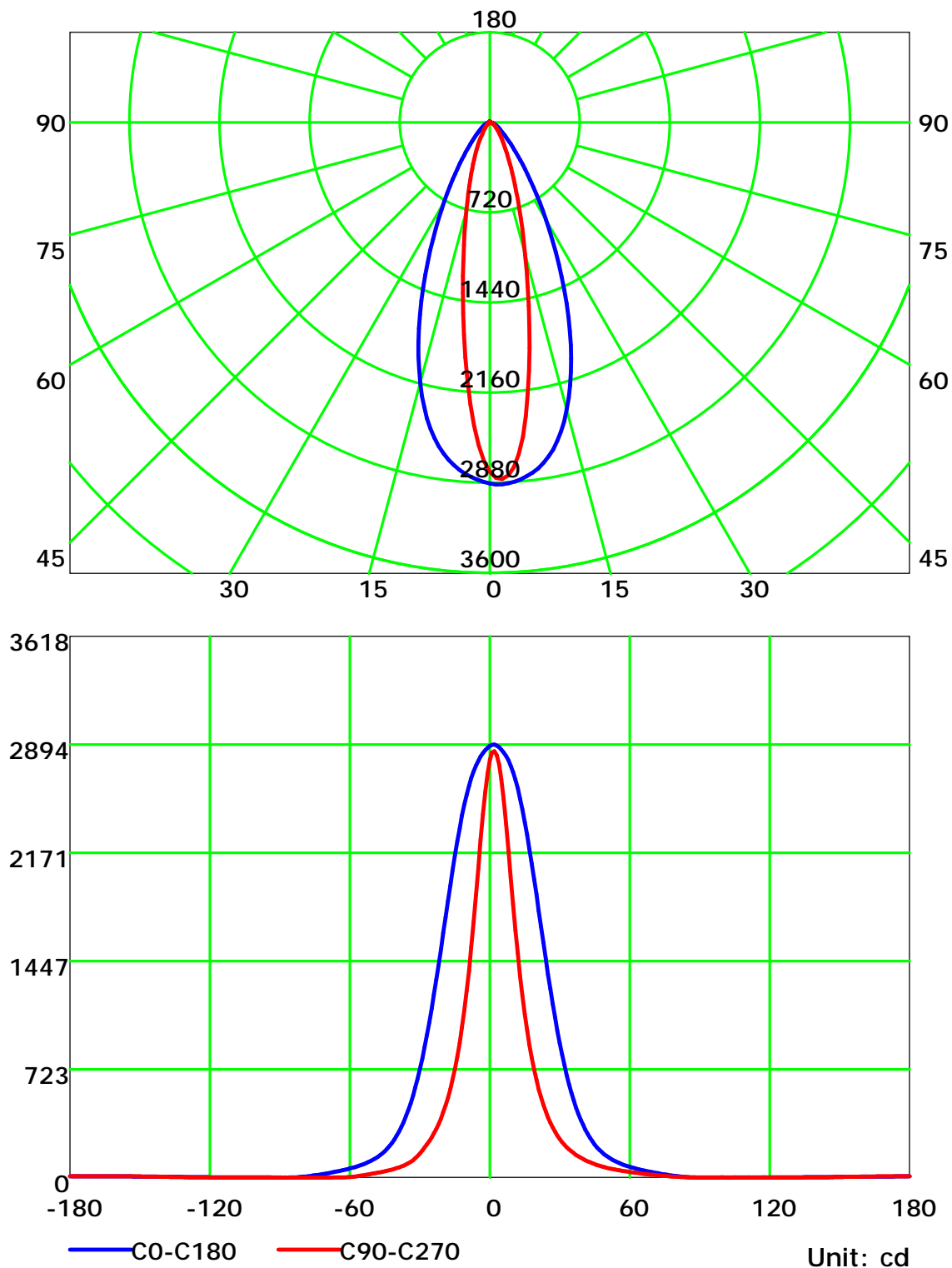
Average Diffuse Angle(50%): 33.7° Unit: cd

— 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:

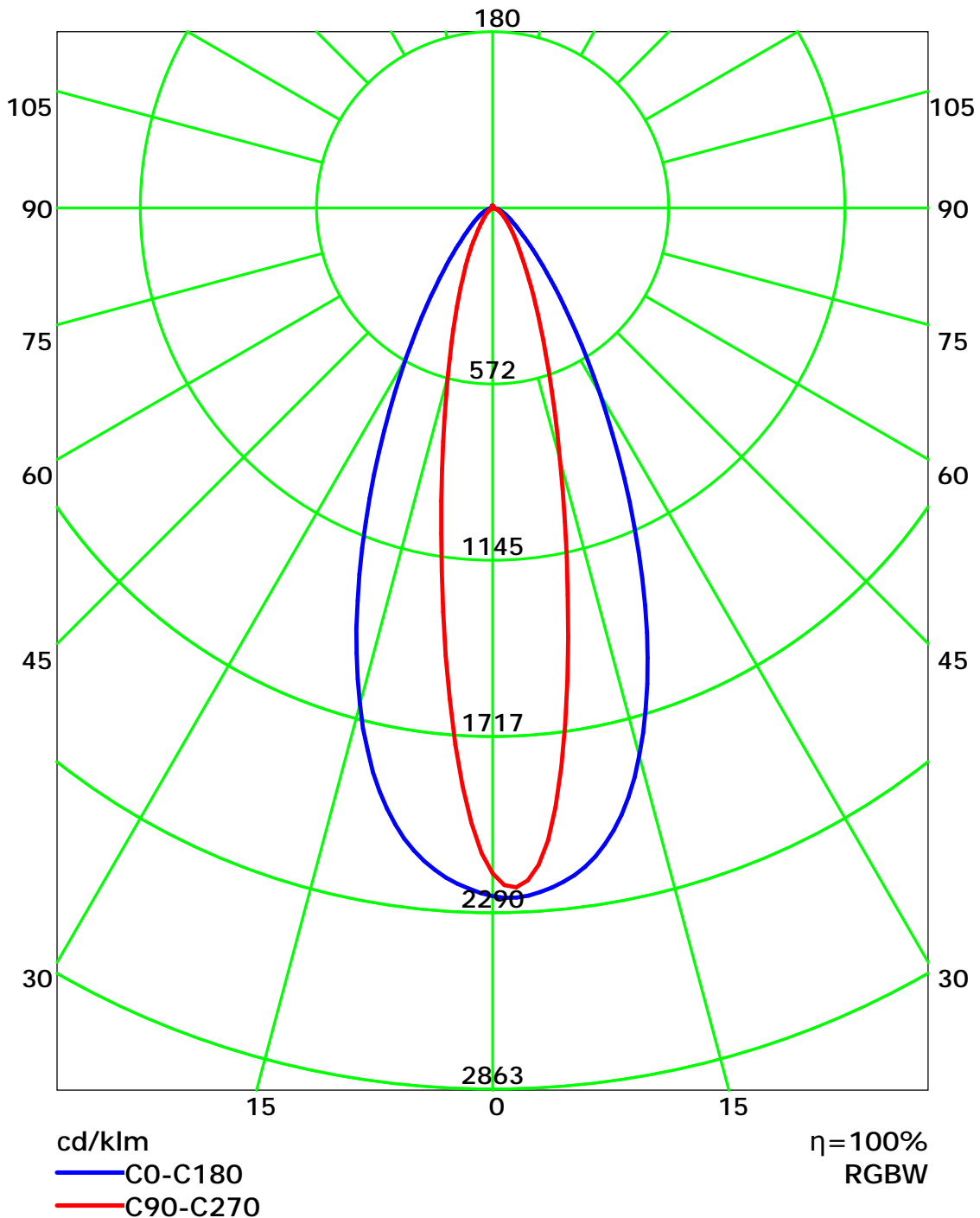
Luminous Intensity Distribution Curve



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:

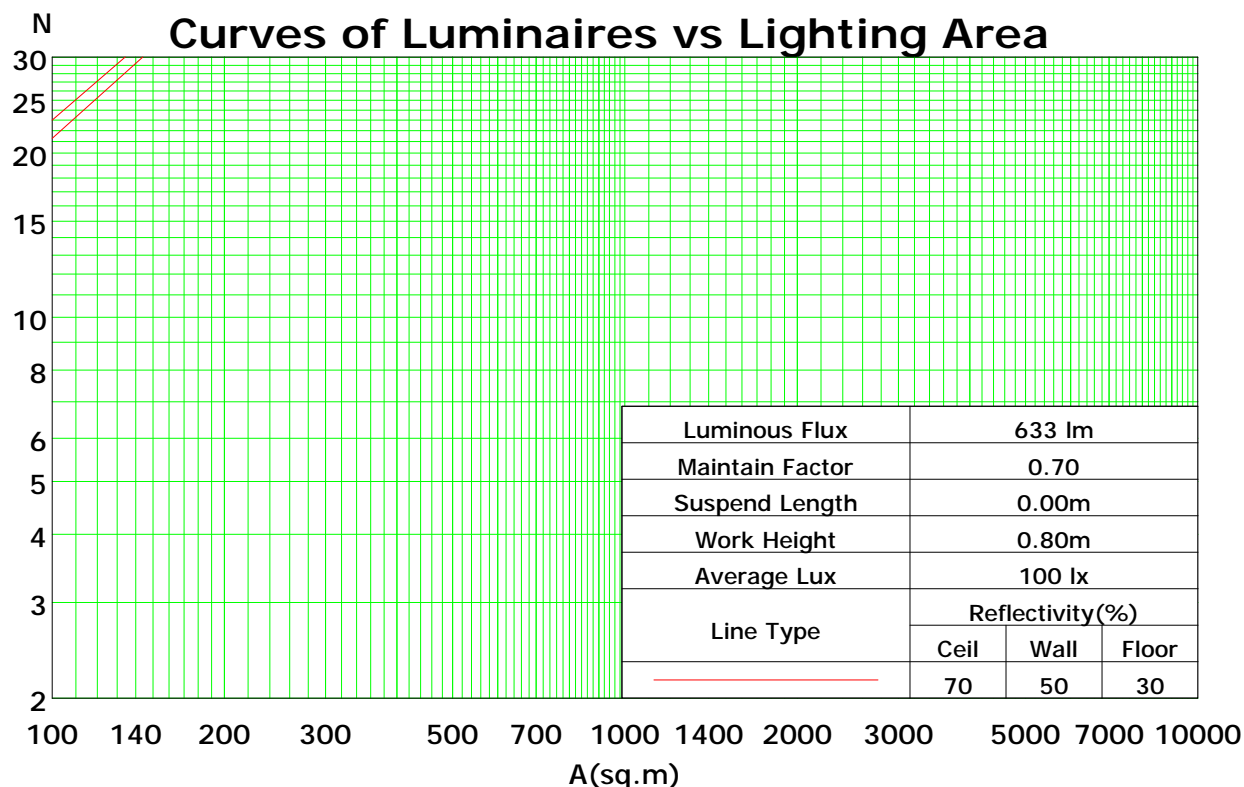
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	113	110	107	105	110	108	105	103	103	101	100	99	98	96	95	94	93	91
2	107	102	98	94	105	100	96	93	97	94	91	93	91	89	90	88	87	85
3	102	95	90	86	100	94	89	85	91	87	84	88	85	82	86	83	81	79
4	97	89	84	79	95	88	83	79	85	81	78	83	80	77	81	78	75	74
5	92	84	78	74	90	83	77	73	81	76	73	79	75	72	77	74	71	69
6	88	79	73	69	86	78	73	69	77	72	68	75	71	67	73	70	67	65
7	84	75	69	65	82	74	69	65	73	68	64	71	67	64	70	66	63	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56
10	74	65	59	55	73	64	59	55	63	58	55	62	58	55	61	57	55	53

Spacing Criteria (0-180): 0.74

Spacing Criteria (90-270): 0.37

Spacing Criteria (Diagonal): 0.52



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

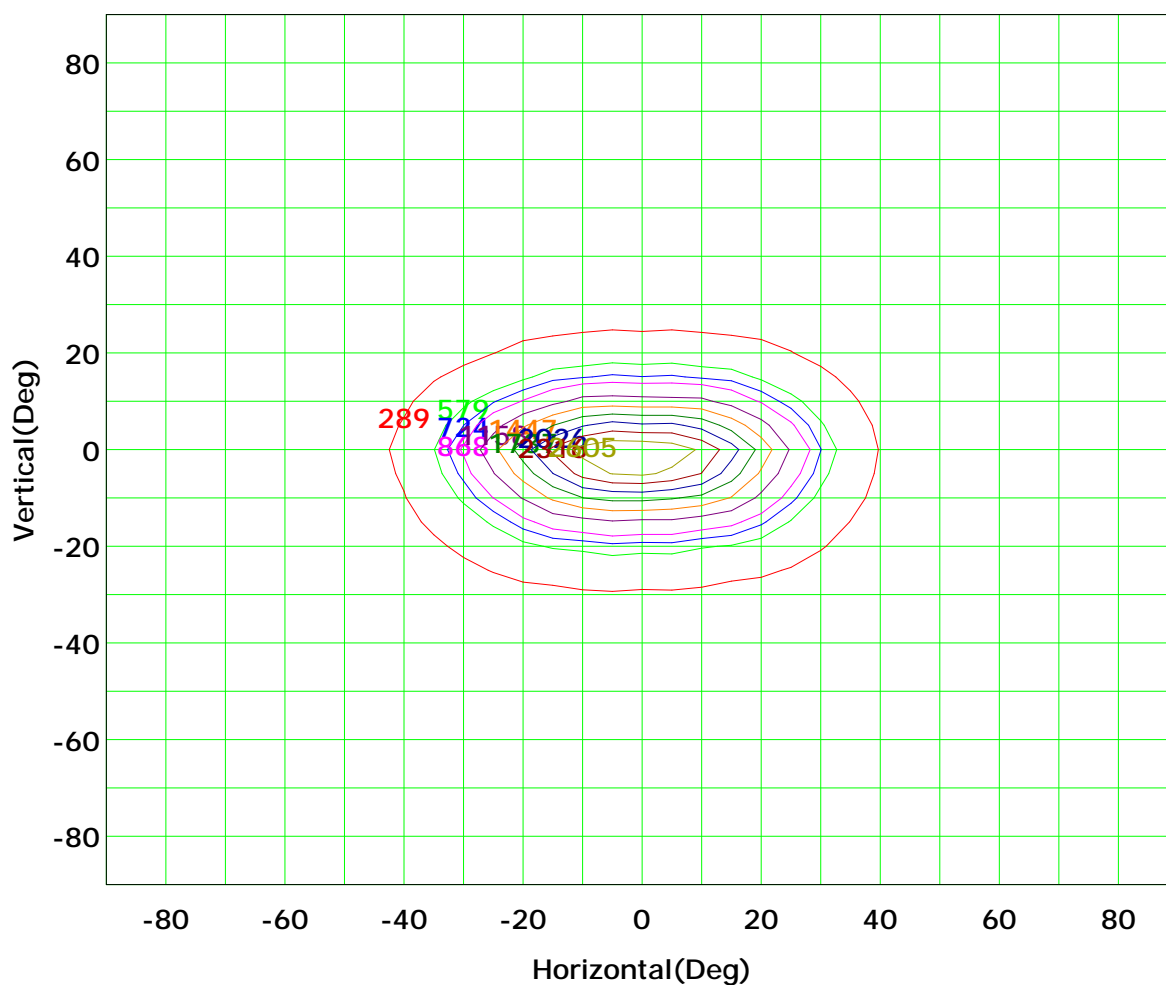
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



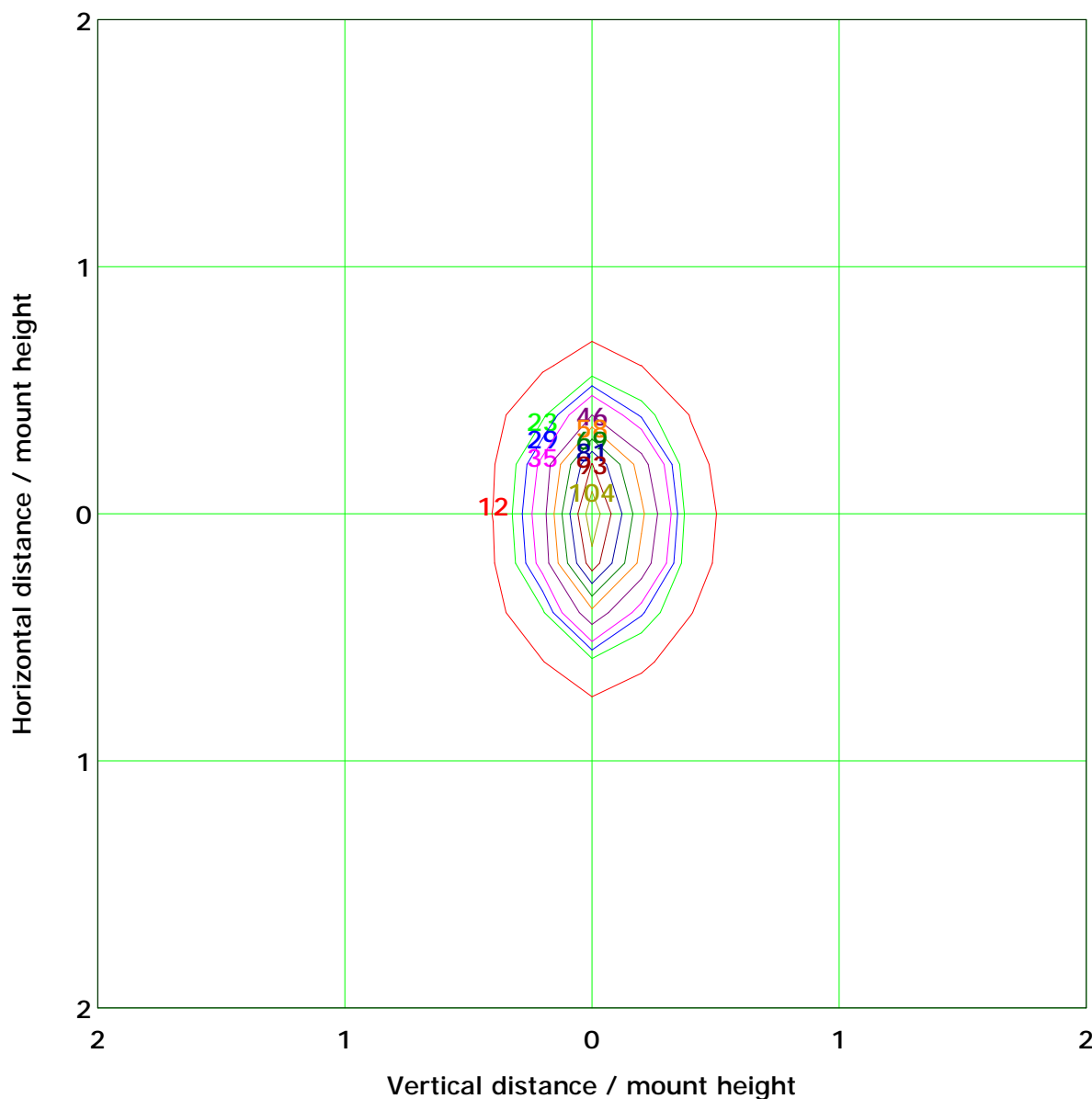
Imax (100%): 2895 cd

(10%): 289 cd	(20%): 579 cd
(25%): 724 cd	(30%): 868 cd
(40%): 1158 cd	(50%): 1447 cd
(60%): 1737 cd	(70%): 2026 cd
(80%): 2316 cd	(90%): 2605 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%): 115.7 lx	
(10%): 11.6 lx		(20%): 23.1 lx	
(25%): 28.9 lx		(30%): 34.7 lx	
(40%): 46.3 lx		(50%): 57.9 lx	
(60%): 69.4 lx		(70%): 81.0 lx	
(80%): 92.6 lx		(90%): 104.1 lx	

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

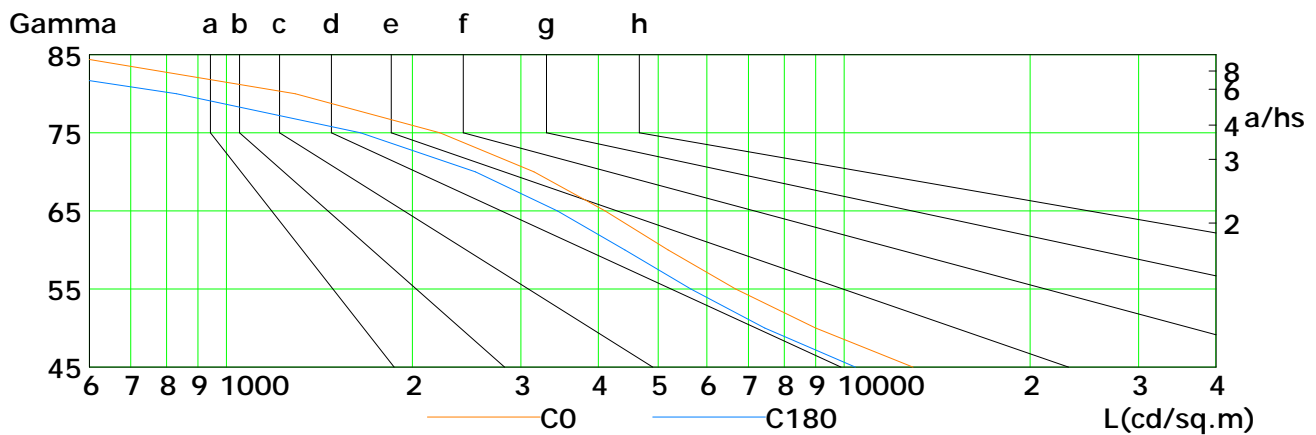
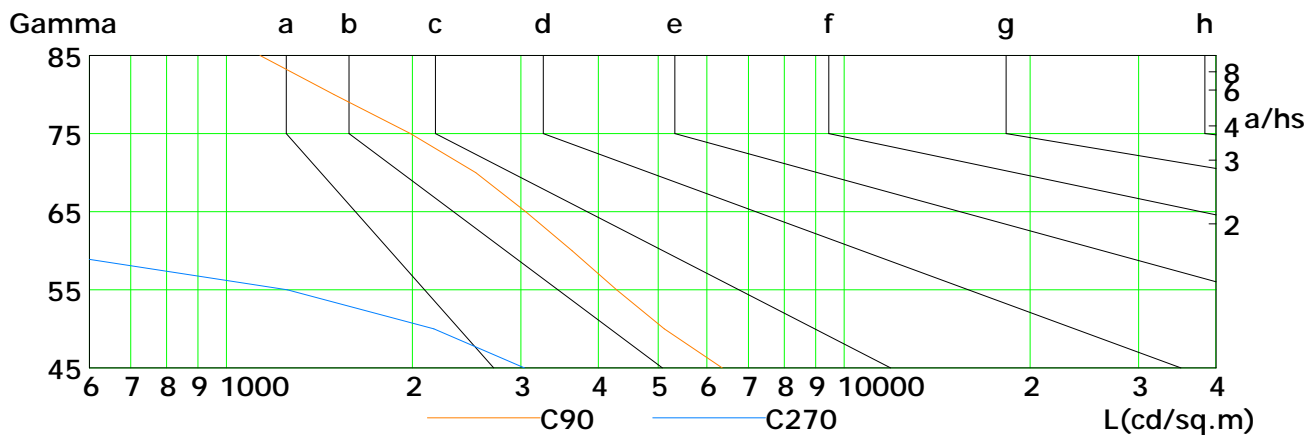
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



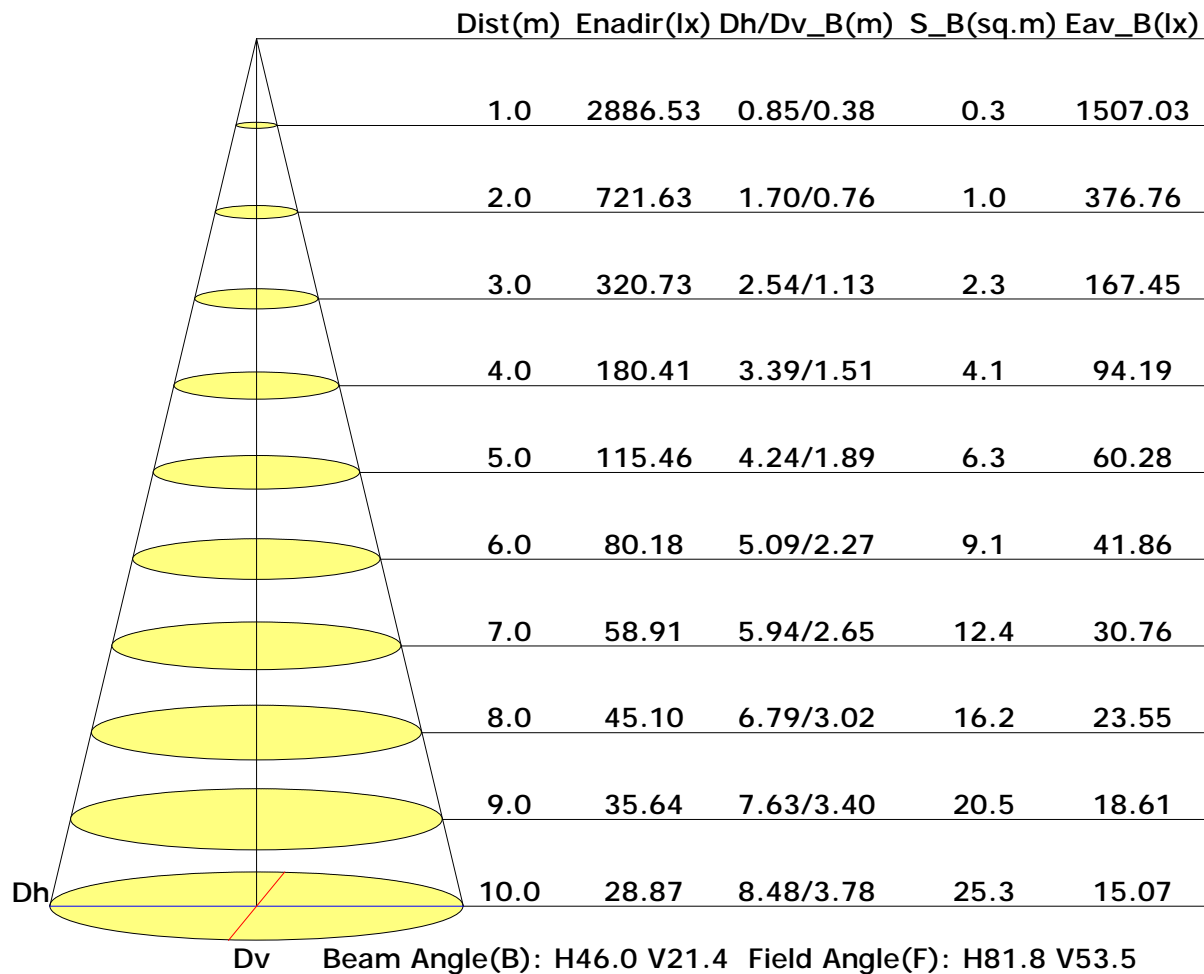
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12933	8997	6674	5194	4102	3149	2217	1293	541
C90	6351	5116	4285	3628	3053	2535	1986	1493	1134
C180	10430	7445	5651	4419	3434	2531	1650	830	316
C270	3037	2168	1255	489	228	203	272	352	579

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

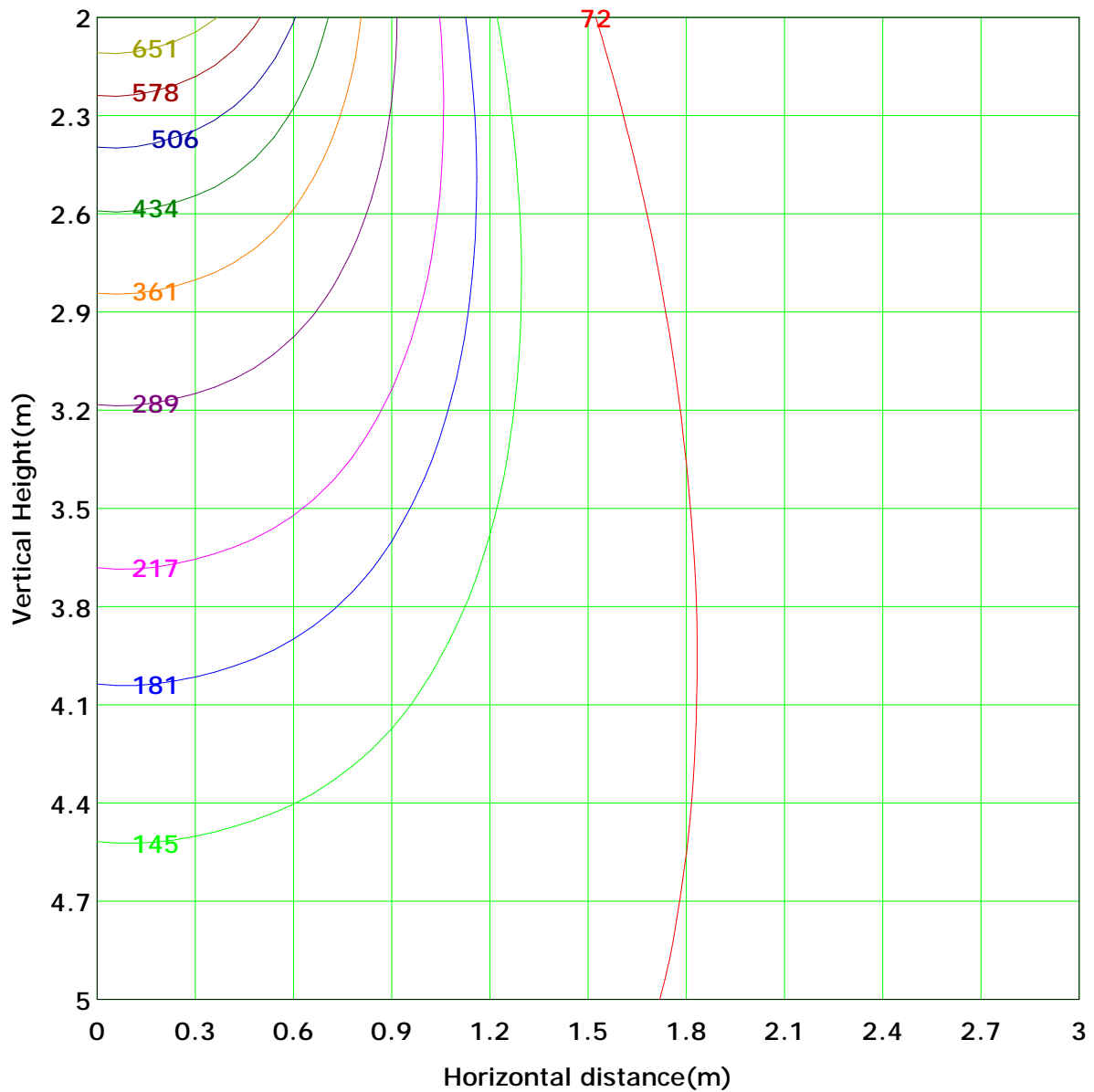


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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: 723.0 lx
(10%): 72.3 lx	(20%): 144.6 lx	
(25%): 180.7 lx	(30%): 216.9 lx	
(40%): 289.2 lx	(50%): 361.5 lx	
(60%): 433.8 lx	(70%): 506.1 lx	
(80%): 578.4 lx	(90%): 650.7 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:

Area Flux Table

Unit: lm

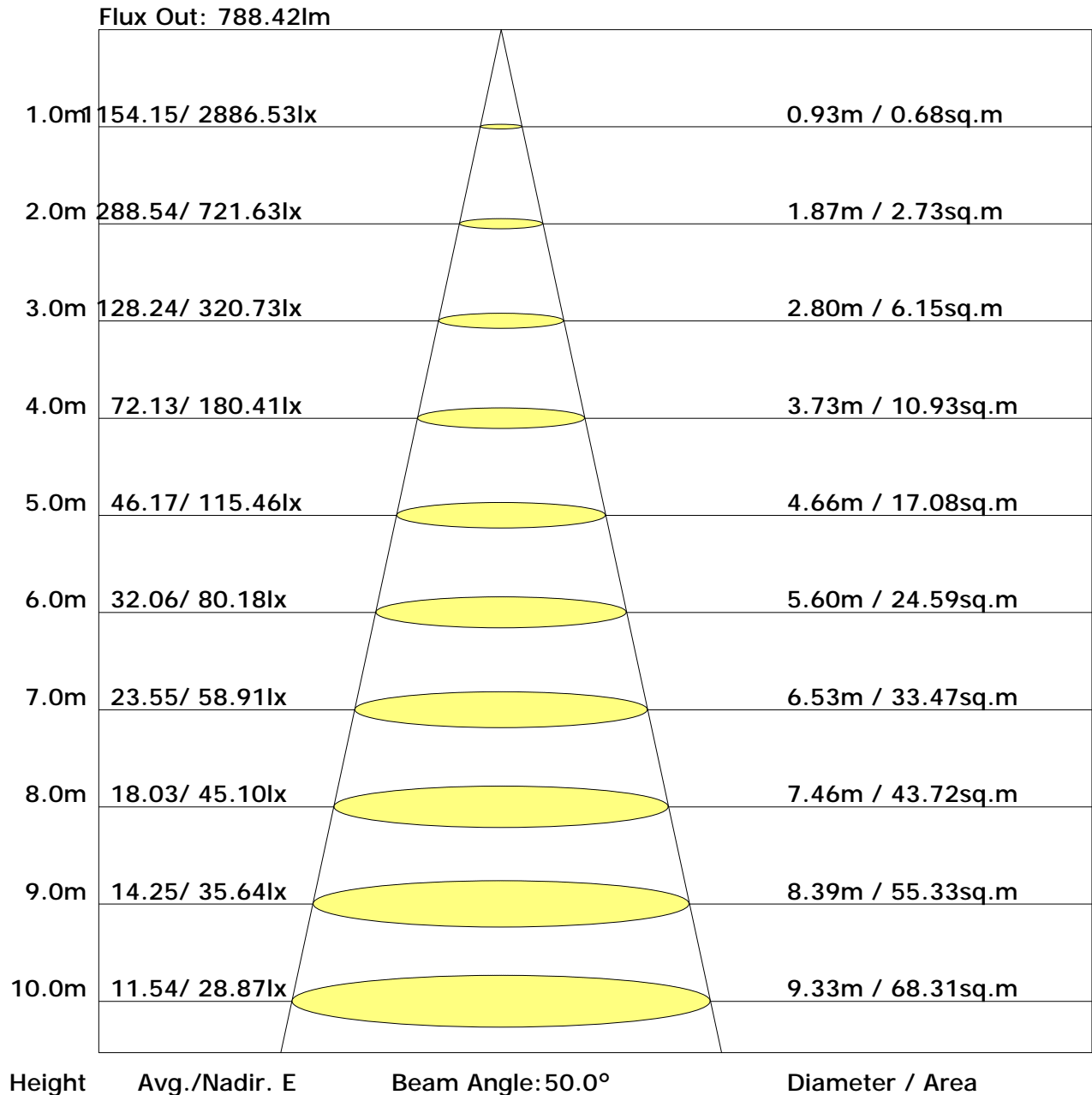
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0
	-70	0.0	0.0	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	4.9	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	11.7	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	24.7	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	52.7	25.3
	-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	107.1	84.8
	-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	181.8	160.2
	-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	8230.7	2209.2
	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	0.0	236.1	2214.7
	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	191.9	170.6
	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	117.6	95.7
	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	59.1	34.8
	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	27.4	1.4
	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	12.8	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	5.6	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	1.6	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	0.2	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	1267	997
	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		
	Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		

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
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	13.6	14.7	14.0	15.0	15.4	10.7	11.7	11.1	12.1	12.4
3H	14.8	15.8	15.2	16.1	16.5	11.6	12.5	12.0	12.9	13.3
4H	15.2	16.0	15.6	16.4	16.9	11.8	12.7	12.3	13.1	13.5
6H	15.3	16.1	15.8	16.6	17.0	11.9	12.7	12.4	13.1	13.6
8H	15.4	16.1	15.8	16.5	17.0	11.9	12.7	12.4	13.1	13.6
12H	15.4	16.1	15.8	16.5	17.0	11.9	12.6	12.4	13.1	13.5
X=4H Y=2H	13.6	14.4	14.0	14.8	15.3	11.3	12.2	11.7	12.5	13.0
3H	14.9	15.6	15.3	16.0	16.5	12.3	13.0	12.8	13.5	13.9
4H	15.3	15.9	15.8	16.4	16.9	12.6	13.2	13.1	13.7	14.2
6H	15.5	16.1	16.0	16.5	17.1	12.8	13.3	13.3	13.8	14.3
8H	15.5	16.1	16.1	16.5	17.1	12.8	13.3	13.3	13.8	14.3
12H	15.5	16.0	16.1	16.5	17.0	12.8	13.2	13.3	13.7	14.2
X=8H Y=4H	15.2	15.7	15.7	16.2	16.7	12.8	13.3	13.3	13.8	14.3
6H	15.4	15.8	16.0	16.4	16.9	13.0	13.4	13.5	13.9	14.5
8H	15.5	15.9	16.1	16.4	16.9	13.0	13.4	13.6	13.9	14.5
12H	15.5	15.8	16.1	16.4	17.0	13.1	13.4	13.6	13.9	14.5
X=12H Y=4H	15.1	15.6	15.7	16.1	16.6	12.8	13.2	13.3	13.7	14.3
6H	15.4	15.8	16.0	16.3	16.8	13.0	13.4	13.6	13.9	14.4
8H	15.5	15.8	16.0	16.3	16.9	13.1	13.4	13.6	13.9	14.5

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 = 0.75								
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	0.84	0.90	0.94	0.97	1.02	1.04	1.06	1.09	1.10
	0.30		0.79	0.85	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.75	0.82	0.86	0.90	0.95	0.98	1.01	1.04	1.07
0.50	0.50	0.20	0.82	0.88	0.92	0.95	0.99	1.01	1.03	1.05	1.06
	0.30		0.78	0.84	0.88	0.91	0.96	0.98	1.00	1.03	1.04
	0.20		0.75	0.81	0.85	0.89	0.93	0.96	0.98	1.01	1.03
0.30	0.50	0.20	0.81	0.86	0.90	0.92	0.96	0.98	0.99	1.01	1.02
	0.30		0.77	0.83	0.87	0.89	0.93	0.96	0.97	0.99	1.01
	0.20		0.74	0.80	0.84	0.87	0.91	0.94	0.96	0.98	1.00
0.00	0.00	0.00	0.72	0.78	0.82	0.84	0.88	0.90	0.91	0.93	0.95
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 = 0.75									
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	0.60	0.49	0.42	0.36	0.28	0.23	0.20	0.15	0.13	
	0.30		0.50	0.42	0.36	0.32	0.26	0.22	0.18	0.15	0.12	
	0.20		0.43	0.37	0.32	0.28	0.23	0.20	0.17	0.14	0.11	
0.50	0.50	0.20	0.57	0.46	0.39	0.33	0.26	0.26	0.18	0.14	0.11	
	0.30		0.49	0.40	0.34	0.30	0.24	0.20	0.17	0.13	0.11	
	0.20		0.42	0.35	0.31	0.27	0.22	0.19	0.16	0.13	0.11	
0.30	0.50	0.20	0.55	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11	
	0.30		0.47	0.38	0.33	0.28	0.22	0.19	0.16	0.12	0.10	
	0.20		0.41	0.34	0.29	0.26	0.21	0.17	0.15	0.12	0.10	
0.00	0.00	0.00	0.27	0.22	0.18	0.15	0.12	0.10	0.08	0.06	0.05	
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 = 0.75								
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	0.15	0.16	0.18	0.19	0.20	0.21	0.21	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
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	2822.0	2.7	2.7	0.21	0.21
1.0-2.0	2800.3	8.0	10.7	0.62	0.83
2.0-3.0	2758.0	13.2	23.9	1.02	1.85
3.0-4.0	2698.0	18.1	42.0	1.40	3.25
4.0-5.0	2620.9	22.5	64.5	1.75	5.00
5.0-6.0	2528.8	26.6	91.1	2.06	7.06
6.0-7.0	2425.8	30.1	121.2	2.33	9.39
7.0-8.0	2313.8	33.1	154.4	2.57	11.96
8.0-9.0	2195.1	35.6	189.9	2.76	14.71
9.0-10.0	2074.2	37.5	227.5	2.91	17.62
10.0-11.0	1952.6	39.0	266.5	3.02	20.64
11.0-12.0	1831.6	40.0	306.5	3.10	23.74
12.0-13.0	1713.3	40.7	347.2	3.15	26.89
13.0-14.0	1599.0	40.9	388.1	3.17	30.06
14.0-15.0	1487.8	40.9	429.0	3.16	33.23
15.0-16.0	1381.6	40.5	469.5	3.14	36.36
16.0-17.0	1282.2	39.9	509.4	3.09	39.46
17.0-18.0	1186.5	39.1	548.5	3.03	42.49
18.0-19.0	1095.3	38.1	586.7	2.95	45.44
19.0-20.0	1010.6	37.0	623.6	2.87	48.31
20.0-21.0	931.1	35.8	659.4	2.77	51.07
21.0-22.0	856.1	34.4	693.8	2.67	53.74
22.0-23.0	786.5	33.0	726.8	2.56	56.30
23.0-24.0	721.5	31.5	758.4	2.44	58.74
24.0-25.0	660.9	30.1	788.4	2.33	61.07
25.0-26.0	605.5	28.6	817.0	2.21	63.28
26.0-27.0	554.5	27.1	844.1	2.10	65.38
27.0-28.0	507.0	25.7	869.8	1.99	67.37
28.0-29.0	463.7	24.3	894.1	1.88	69.25
29.0-30.0	424.0	22.9	917.0	1.77	71.02
30.0-31.0	387.5	21.6	938.5	1.67	72.69
31.0-32.0	354.1	20.3	958.8	1.57	74.27
32.0-33.0	323.8	19.1	977.9	1.48	75.74
33.0-34.0	296.0	17.9	995.8	1.39	77.13
34.0-35.0	270.8	16.8	1012.6	1.30	78.43
35.0-36.0	248.1	15.8	1028.4	1.22	79.66

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	227.5	14.8	1043.3	1.15	80.81
37.0-38.0	208.9	13.9	1057.2	1.08	81.89
38.0-39.0	192.2	13.1	1070.3	1.02	82.90
39.0-40.0	176.9	12.3	1082.7	0.96	83.86
40.0-41.0	163.0	11.6	1094.3	0.90	84.76
41.0-42.0	150.5	10.9	1105.2	0.85	85.61
42.0-43.0	139.1	10.3	1115.5	0.80	86.40
43.0-44.0	128.8	9.7	1125.3	0.75	87.16
44.0-45.0	119.4	9.2	1134.4	0.71	87.87
45.0-46.0	110.7	8.7	1143.1	0.67	88.54
46.0-47.0	102.8	8.2	1151.3	0.63	89.17
47.0-48.0	95.6	7.7	1159.0	0.60	89.77
48.0-49.0	89.0	7.3	1166.3	0.57	90.34
49.0-50.0	82.9	6.9	1173.2	0.54	90.87
50.0-51.0	77.2	6.5	1179.7	0.51	91.38
51.0-52.0	71.9	6.2	1185.9	0.48	91.86
52.0-53.0	67.1	5.8	1191.8	0.45	92.31
53.0-54.0	62.6	5.5	1197.3	0.43	92.74
54.0-55.0	58.4	5.2	1202.5	0.40	93.14
55.0-56.0	54.6	4.9	1207.4	0.38	93.52
56.0-57.0	50.9	4.7	1212.1	0.36	93.88
57.0-58.0	47.4	4.4	1216.5	0.34	94.22
58.0-59.0	44.2	4.1	1220.6	0.32	94.54
59.0-60.0	41.2	3.9	1224.5	0.30	94.84
60.0-61.0	38.2	3.7	1228.1	0.28	95.13
61.0-62.0	35.6	3.4	1231.6	0.27	95.39
62.0-63.0	33.1	3.2	1234.8	0.25	95.64
63.0-64.0	30.7	3.0	1237.8	0.23	95.87
64.0-65.0	28.6	2.8	1240.6	0.22	96.09
65.0-66.0	26.5	2.6	1243.3	0.21	96.30
66.0-67.0	24.6	2.5	1245.7	0.19	96.49
67.0-68.0	22.8	2.3	1248.1	0.18	96.67
68.0-69.0	21.0	2.1	1250.2	0.17	96.83
69.0-70.0	19.3	2.0	1252.2	0.15	96.99
70.0-71.0	17.6	1.8	1254.0	0.14	97.13
71.0-72.0	16.0	1.7	1255.7	0.13	97.26

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	14.4	1.5	1257.2	0.12	97.37
73.0-74.0	13.0	1.4	1258.5	0.11	97.48
74.0-75.0	11.6	1.2	1259.8	0.10	97.58
75.0-76.0	10.4	1.1	1260.9	0.09	97.66
76.0-77.0	9.2	1.0	1261.9	0.08	97.74
77.0-78.0	8.2	0.9	1262.7	0.07	97.81
78.0-79.0	7.2	0.8	1263.5	0.06	97.87
79.0-80.0	6.3	0.7	1264.2	0.05	97.92
80.0-81.0	5.4	0.6	1264.8	0.05	97.96
81.0-82.0	4.7	0.5	1265.3	0.04	98.00
82.0-83.0	4.0	0.4	1265.7	0.03	98.04
83.0-84.0	3.4	0.4	1266.1	0.03	98.06
84.0-85.0	3.0	0.3	1266.4	0.03	98.09
85.0-86.0	2.6	0.3	1266.7	0.02	98.11
86.0-87.0	2.4	0.3	1267.0	0.02	98.13
87.0-88.0	2.3	0.2	1267.2	0.02	98.15
88.0-89.0	2.2	0.2	1267.4	0.02	98.17
89.0-90.0	2.1	0.2	1267.7	0.02	98.19
90.0-91.0	2.1	0.2	1267.9	0.02	98.21
91.0-92.0	2.1	0.2	1268.1	0.02	98.22
92.0-93.0	2.1	0.2	1268.3	0.02	98.24
93.0-94.0	2.1	0.2	1268.6	0.02	98.26
94.0-95.0	2.0	0.2	1268.8	0.02	98.28
95.0-96.0	2.0	0.2	1269.0	0.02	98.29
96.0-97.0	2.0	0.2	1269.2	0.02	98.31
97.0-98.0	2.0	0.2	1269.5	0.02	98.33
98.0-99.0	2.0	0.2	1269.7	0.02	98.34
99.0-100.0	2.0	0.2	1269.9	0.02	98.36
100.0-101.0	2.0	0.2	1270.1	0.02	98.38
101.0-102.0	1.9	0.2	1270.3	0.02	98.39
102.0-103.0	1.9	0.2	1270.5	0.02	98.41
103.0-104.0	1.9	0.2	1270.7	0.02	98.42
104.0-105.0	1.9	0.2	1270.9	0.02	98.44
105.0-106.0	1.9	0.2	1271.1	0.02	98.46
106.0-107.0	2.0	0.2	1271.3	0.02	98.47
107.0-108.0	2.0	0.2	1271.5	0.02	98.49

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	2.0	0.2	1271.7	0.02	98.50
109.0-110.0	2.0	0.2	1272.0	0.02	98.52
110.0-111.0	2.0	0.2	1272.2	0.02	98.54
111.0-112.0	2.1	0.2	1272.4	0.02	98.55
112.0-113.0	2.1	0.2	1272.6	0.02	98.57
113.0-114.0	2.2	0.2	1272.8	0.02	98.59
114.0-115.0	2.2	0.2	1273.0	0.02	98.60
115.0-116.0	2.2	0.2	1273.2	0.02	98.62
116.0-117.0	2.3	0.2	1273.5	0.02	98.64
117.0-118.0	2.4	0.2	1273.7	0.02	98.66
118.0-119.0	2.4	0.2	1273.9	0.02	98.67
119.0-120.0	2.5	0.2	1274.2	0.02	98.69
120.0-121.0	2.5	0.2	1274.4	0.02	98.71
121.0-122.0	2.6	0.2	1274.7	0.02	98.73
122.0-123.0	2.7	0.2	1274.9	0.02	98.75
123.0-124.0	2.8	0.3	1275.2	0.02	98.77
124.0-125.0	2.8	0.3	1275.4	0.02	98.79
125.0-126.0	3.0	0.3	1275.7	0.02	98.81
126.0-127.0	3.1	0.3	1275.9	0.02	98.83
127.0-128.0	3.2	0.3	1276.2	0.02	98.85
128.0-129.0	3.3	0.3	1276.5	0.02	98.87
129.0-130.0	3.4	0.3	1276.8	0.02	98.89
130.0-131.0	3.5	0.3	1277.1	0.02	98.92
131.0-132.0	3.7	0.3	1277.4	0.02	98.94
132.0-133.0	3.8	0.3	1277.7	0.02	98.96
133.0-134.0	3.9	0.3	1278.0	0.02	98.99
134.0-135.0	4.1	0.3	1278.3	0.02	99.01
135.0-136.0	4.3	0.3	1278.7	0.03	99.04
136.0-137.0	4.4	0.3	1279.0	0.03	99.07
137.0-138.0	4.6	0.3	1279.3	0.03	99.09
138.0-139.0	4.8	0.3	1279.7	0.03	99.12
139.0-140.0	5.0	0.4	1280.0	0.03	99.15
140.0-141.0	5.2	0.4	1280.4	0.03	99.17
141.0-142.0	5.4	0.4	1280.8	0.03	99.20
142.0-143.0	5.6	0.4	1281.1	0.03	99.23
143.0-144.0	5.8	0.4	1281.5	0.03	99.26

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	6.0	0.4	1281.9	0.03	99.29
145.0-146.0	6.2	0.4	1282.3	0.03	99.32
146.0-147.0	6.4	0.4	1282.7	0.03	99.35
147.0-148.0	6.6	0.4	1283.1	0.03	99.38
148.0-149.0	6.8	0.4	1283.5	0.03	99.41
149.0-150.0	7.0	0.4	1283.9	0.03	99.44
150.0-151.0	7.2	0.4	1284.2	0.03	99.47
151.0-152.0	7.4	0.4	1284.6	0.03	99.50
152.0-153.0	7.6	0.4	1285.0	0.03	99.53
153.0-154.0	7.8	0.4	1285.4	0.03	99.56
154.0-155.0	8.0	0.4	1285.8	0.03	99.59
155.0-156.0	8.2	0.4	1286.1	0.03	99.62
156.0-157.0	8.3	0.4	1286.5	0.03	99.65
157.0-158.0	8.5	0.4	1286.9	0.03	99.68
158.0-159.0	8.6	0.3	1287.2	0.03	99.70
159.0-160.0	8.8	0.3	1287.5	0.03	99.73
160.0-161.0	8.9	0.3	1287.9	0.03	99.75
161.0-162.0	9.0	0.3	1288.2	0.02	99.78
162.0-163.0	9.1	0.3	1288.5	0.02	99.80
163.0-164.0	9.2	0.3	1288.8	0.02	99.82
164.0-165.0	9.2	0.3	1289.0	0.02	99.84
165.0-166.0	9.3	0.3	1289.3	0.02	99.86
166.0-167.0	9.3	0.2	1289.5	0.02	99.88
167.0-168.0	9.4	0.2	1289.8	0.02	99.90
168.0-169.0	9.4	0.2	1290.0	0.02	99.92
169.0-170.0	9.5	0.2	1290.2	0.01	99.93
170.0-171.0	9.5	0.2	1290.3	0.01	99.94
171.0-172.0	9.5	0.2	1290.5	0.01	99.96
172.0-173.0	9.5	0.1	1290.6	0.01	99.97
173.0-174.0	9.5	0.1	1290.7	0.01	99.97
174.0-175.0	9.5	0.1	1290.8	0.01	99.98
175.0-176.0	9.5	0.1	1290.9	0.01	99.99
176.0-177.0	9.5	0.1	1291.0	0.00	99.99
177.0-178.0	9.5	0.0	1291.0	0.00	100.00
178.0-179.0	9.5	0.0	1291.1	0.00	100.00
179.0-180.0	9.5	0.0	1291.1	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: