GENLED Brands
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Report No.: **Test Time: 2023/2/21 14:12**

Luminaire Property

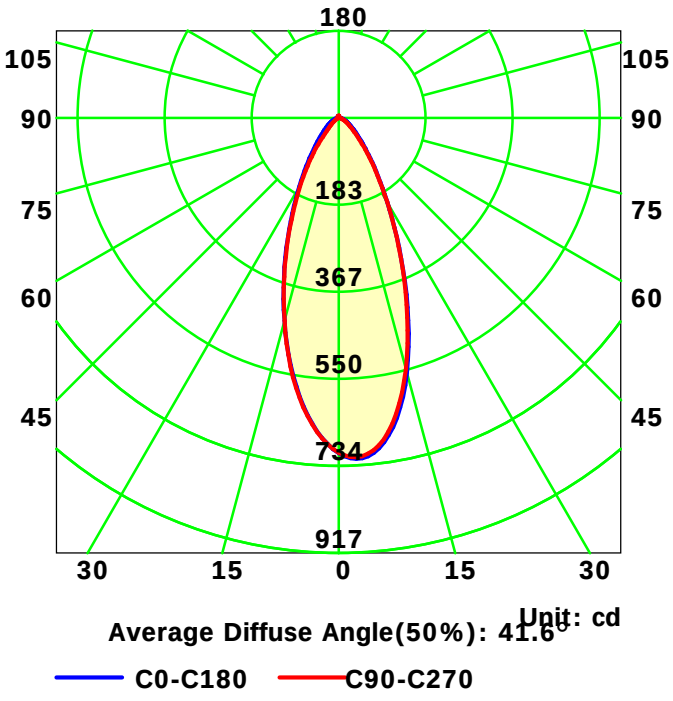
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: YML40°+3M
Lamp Catalog: G
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.3 V
Current: 0.101 A
Power: 9.07 W
Power Factor: 0.407

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 501.1 lm
Measurement Flux: 501.1 lm
Efficiency: 100%
Downward Ratio: 97%
Upward Ratio: 3%
Horizontal Diffuse Angle(10%,50%): H84.9,H41.7
Vertical Diffuse Angle(10%,50%): V80.4,V41.5
Luminaire Efficacy Rating (LER): 55
Central Intensity: 707.27 cd
Max. Intensity: 722.58 cd
Pos of Max. Intensity: H30 V4

Picture Of Luminaire

Luminous Intensity Distribution Curve



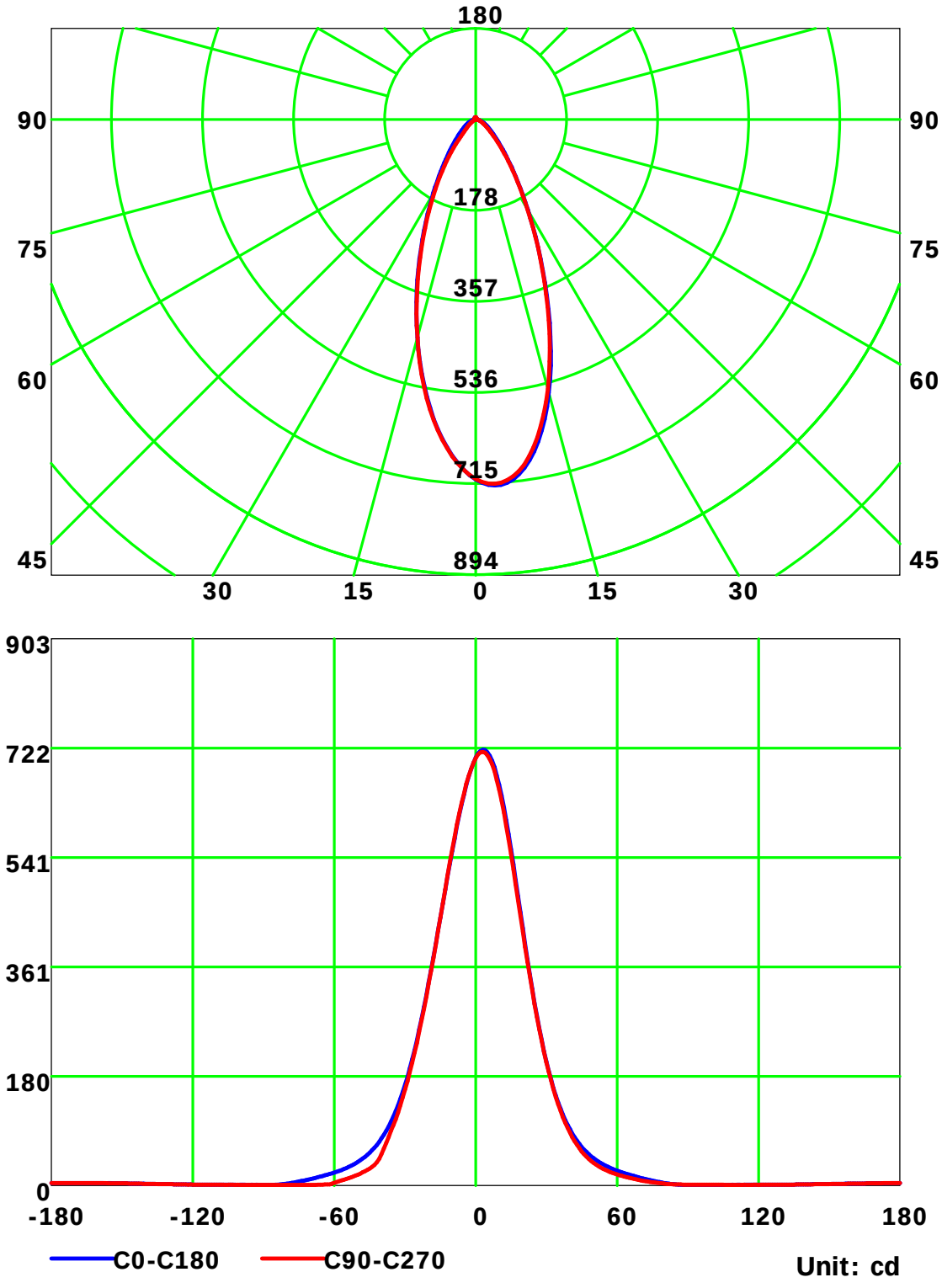
Unit: cd

Average Diffuse Angle(50%): 41.6°

C0-C180 C90-C270

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:

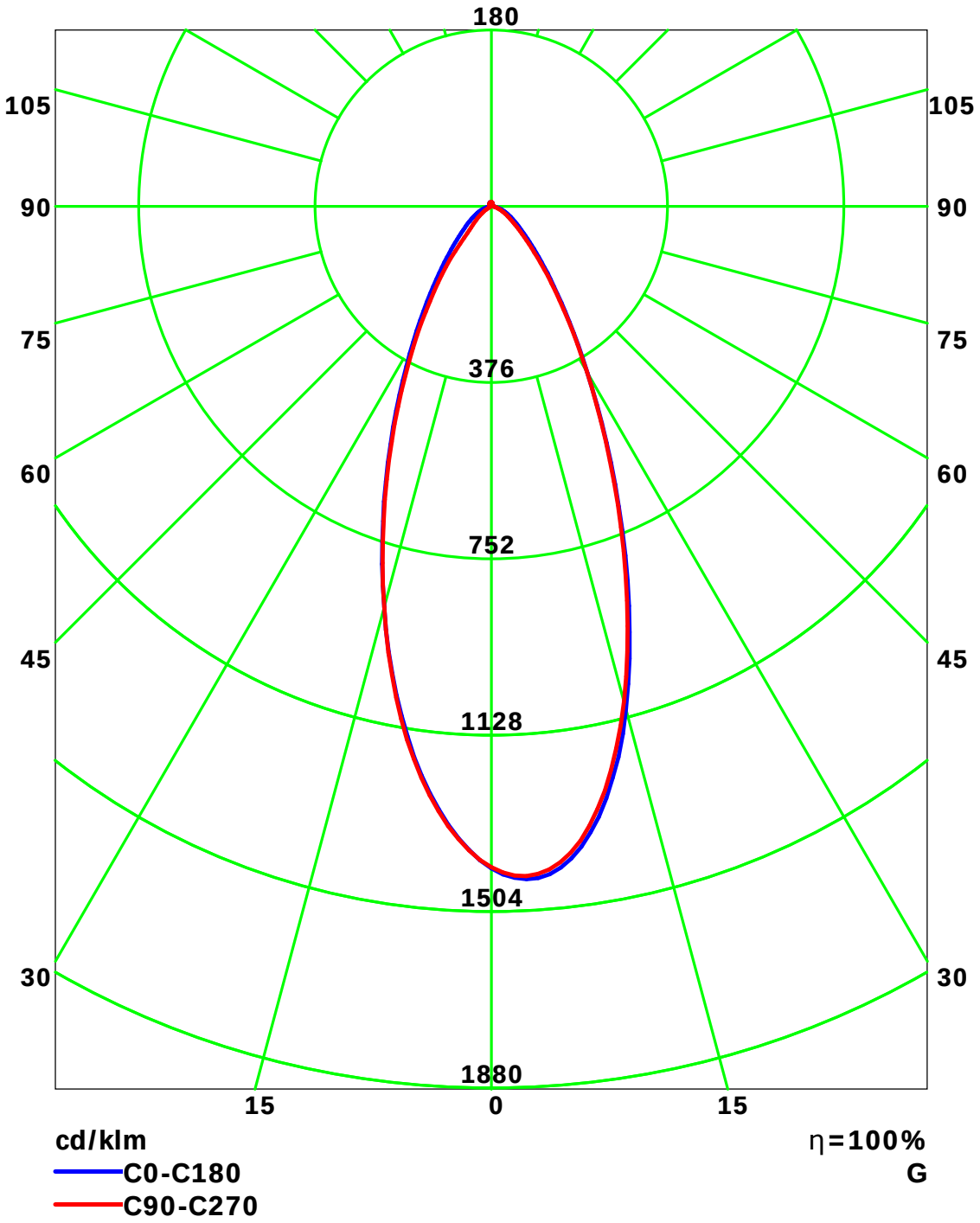
Luminous Intensity Distribution Curve



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

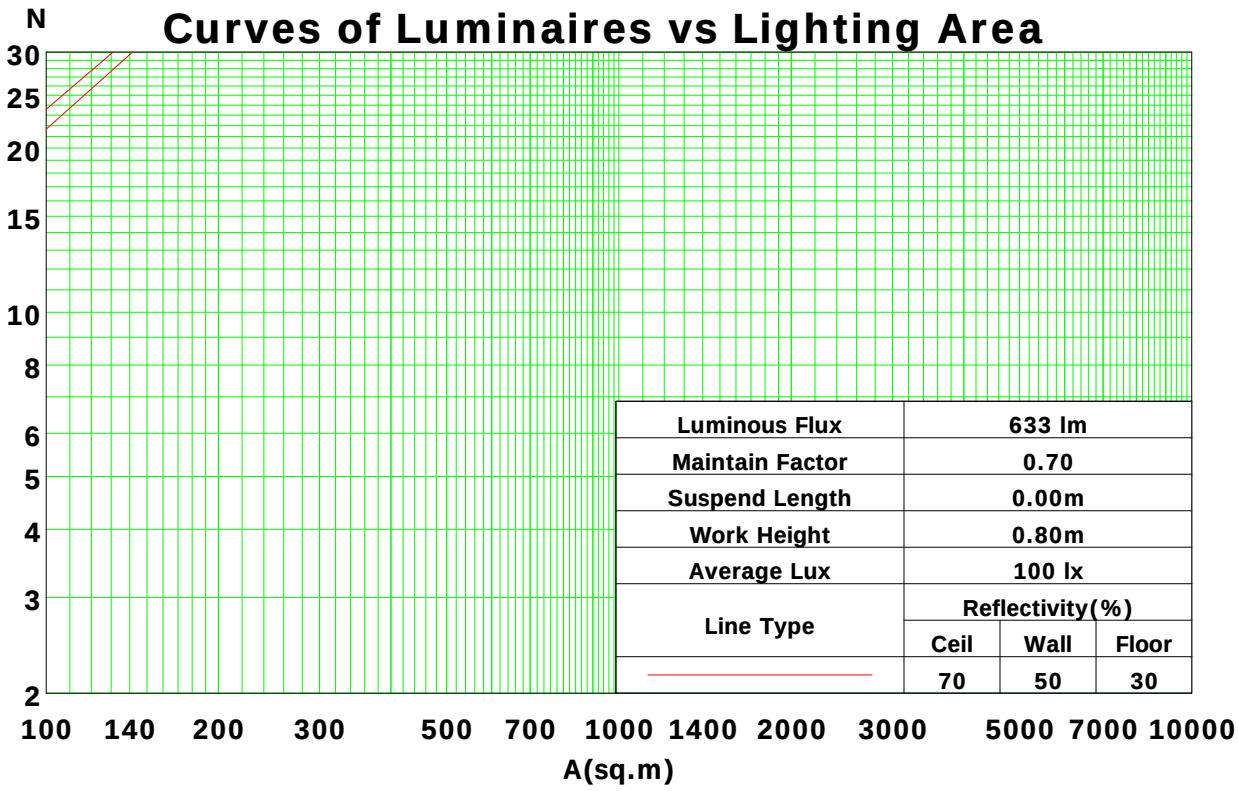
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	97
1	112	109	106	104	109	106	104	102	102	100	98	98	96	95	94	92	91	89
2	106	100	96	92	103	98	94	91	95	91	89	91	89	86	88	86	84	82
3	100	93	88	83	98	91	86	82	88	84	81	85	82	79	83	80	77	76
4	95	86	81	76	92	85	80	75	83	78	74	80	76	73	78	75	72	70
5	90	81	74	70	88	80	74	69	77	72	69	75	71	68	73	70	67	65
6	85	76	69	65	83	75	69	64	73	68	64	71	67	63	69	65	62	61
7	81	71	65	60	79	70	64	60	69	63	60	67	62	59	66	62	58	57
8	77	67	61	56	75	66	60	56	65	60	56	64	59	55	62	58	55	54
9	73	63	57	53	72	63	57	53	62	56	53	60	56	52	59	55	52	51
10	70	60	54	50	69	59	54	50	58	53	50	57	53	49	57	52	49	48

Spacing Criteria (0-180): 0.67
Spacing Criteria (90-270): 0.67
Spacing Criteria (Diagonal): 0.70

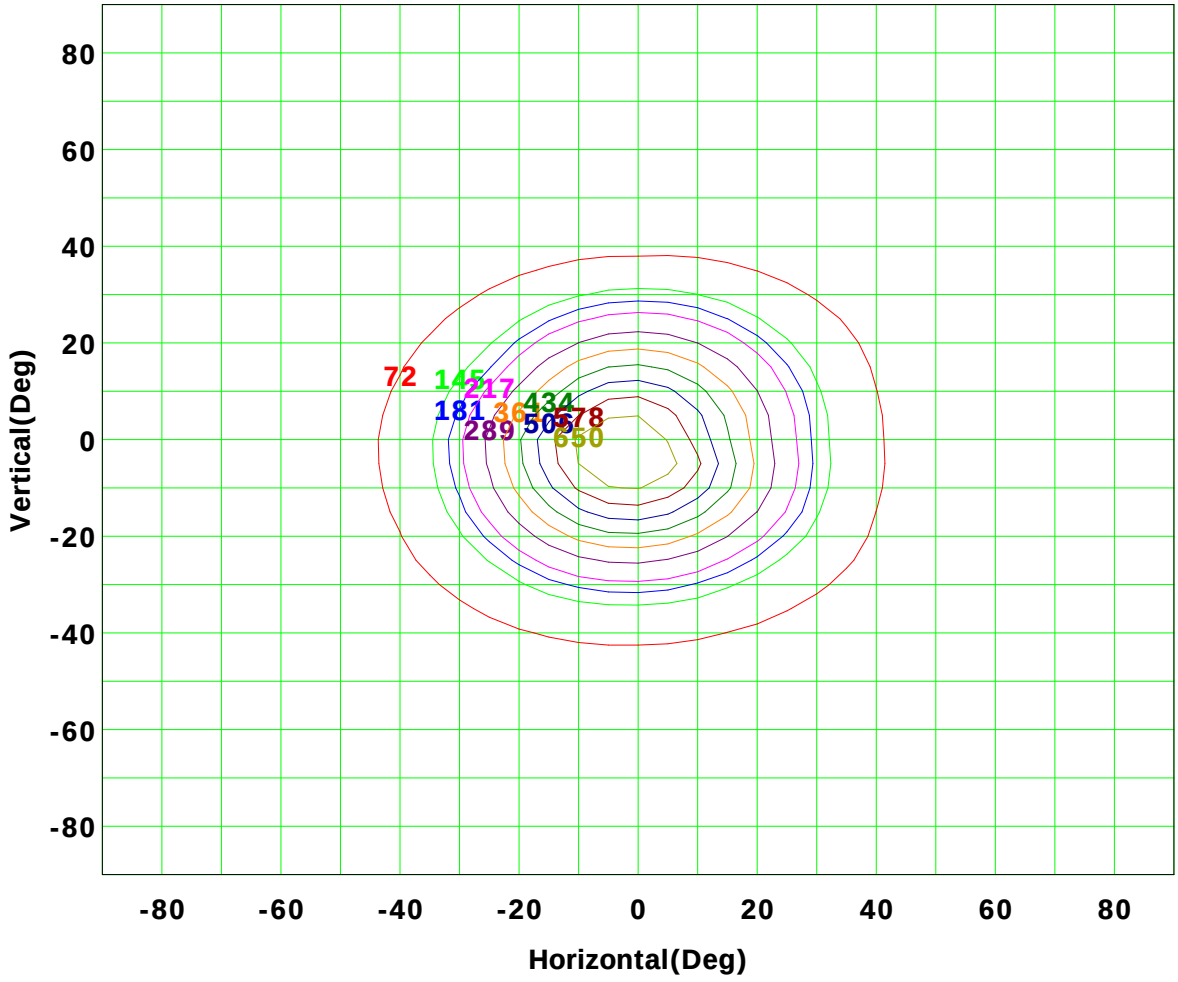
Curves of Luminaires vs Lighting Area



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)



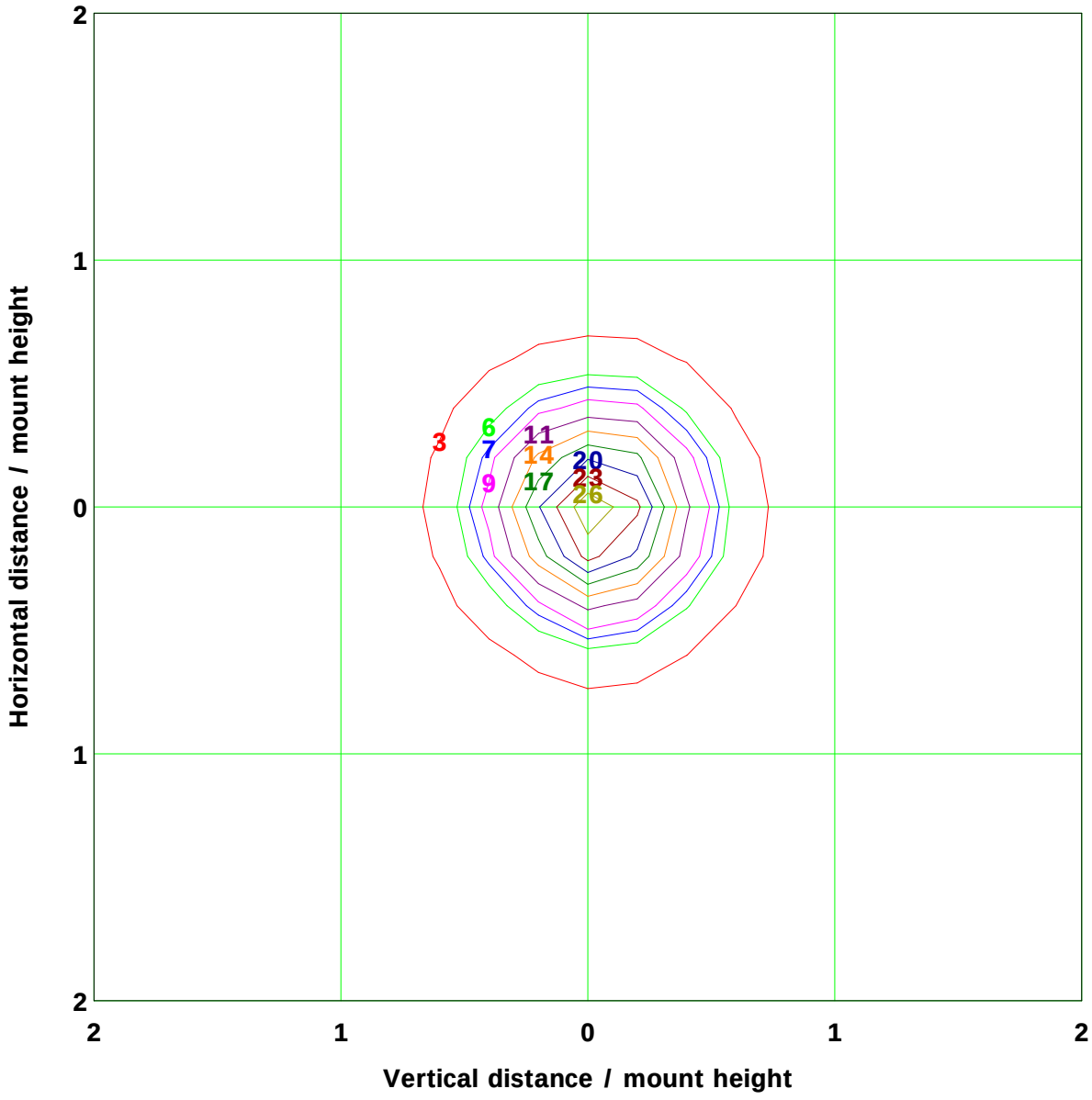
Imax (100%): 723 cd

(10%): 72 cd	(20%): 145 cd
(25%): 181 cd	(30%): 217 cd
(40%): 289 cd	(50%): 361 cd
(60%): 434 cd	(70%): 506 cd
(80%): 578 cd	(90%): 650 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%): 28.7 lx

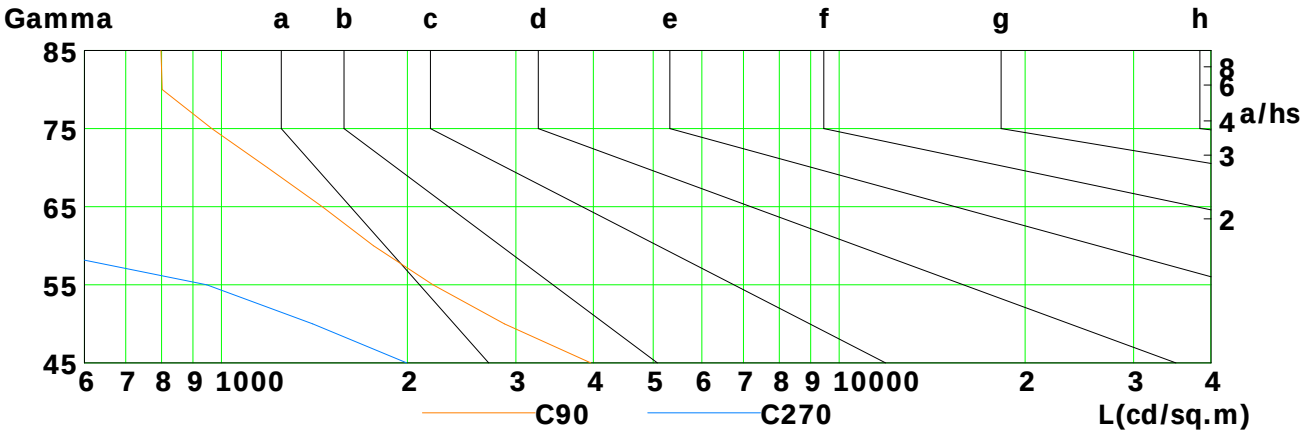
(10%): 2.9 lx	(20%): 5.7 lx
(25%): 7.2 lx	(30%): 8.6 lx
(40%): 11.5 lx	(50%): 14.4 lx
(60%): 17.2 lx	(70%): 20.1 lx
(80%): 23.0 lx	(90%): 25.9 lx

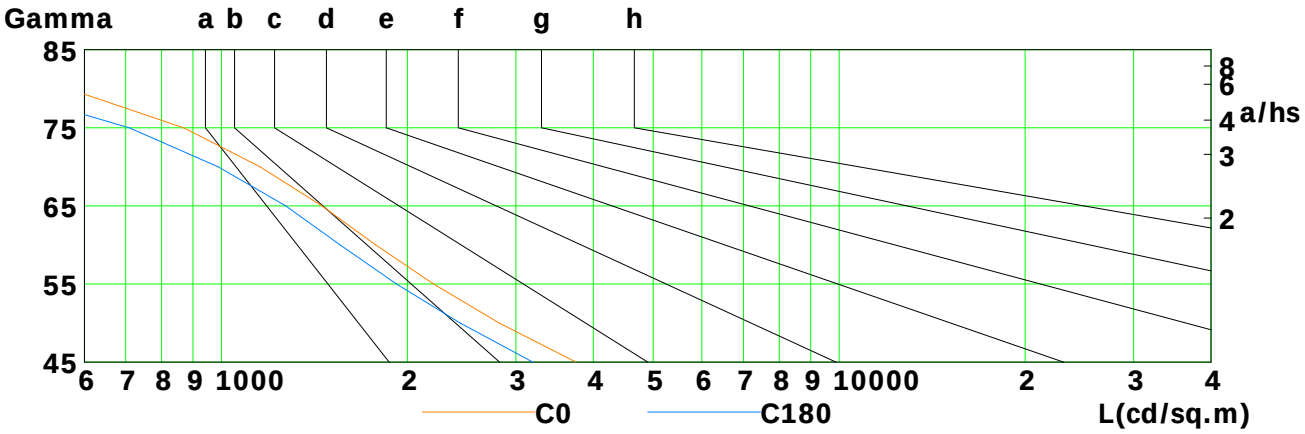
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



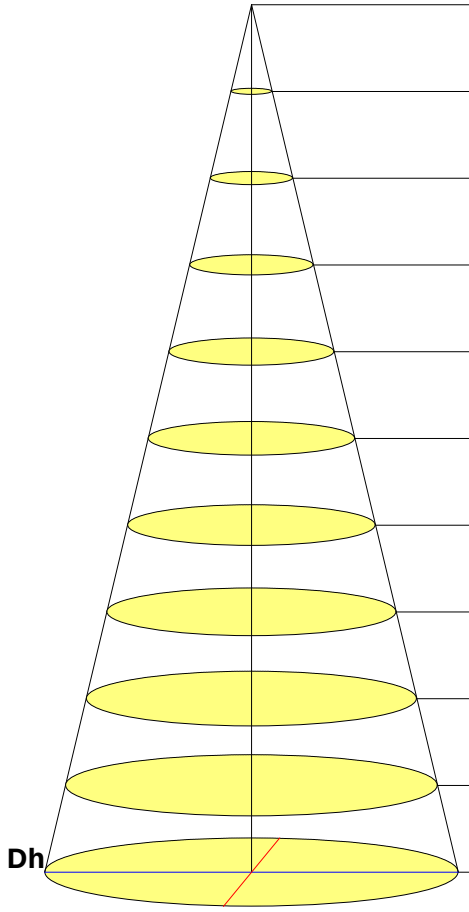


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3751	2817	2206	1779	1456	1156	869	565	333
C90	3964	2872	2201	1764	1457	1188	966	802	799
C180	3193	2436	1922	1557	1272	989	709	435	266
C270	1997	1405	947	461	221	207	243	339	559

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



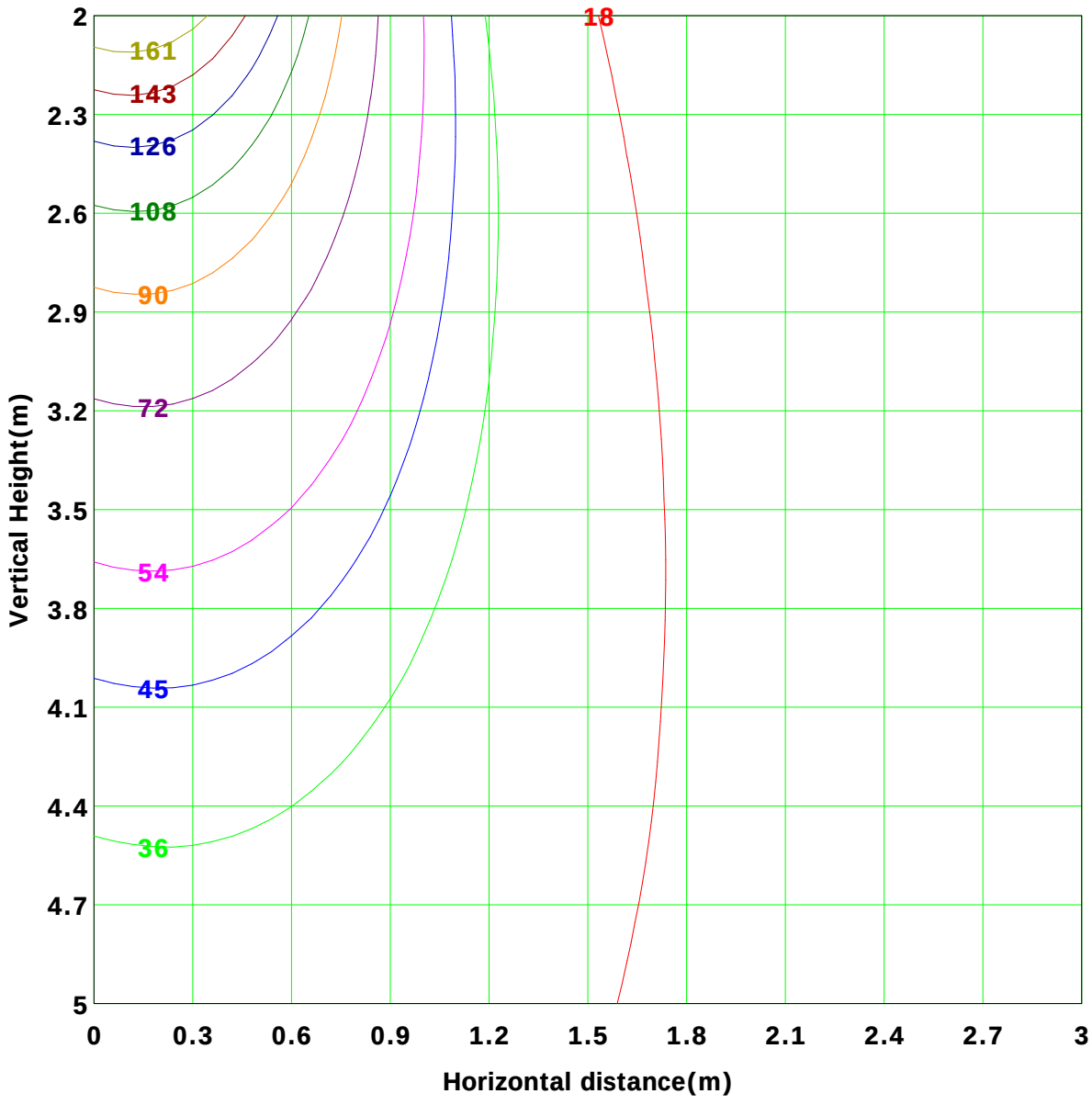
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	707.27	0.76/0.76	0.5	322.74
2.0	176.82	1.52/1.52	1.8	80.69
3.0	78.59	2.28/2.28	4.1	35.86
4.0	44.20	3.04/3.03	7.3	20.17
5.0	28.29	3.81/3.79	11.5	12.91
6.0	19.65	4.57/4.55	16.5	8.97
7.0	14.43	5.33/5.31	22.5	6.59
8.0	11.05	6.09/6.07	29.3	5.04
9.0	8.73	6.85/6.83	37.1	3.98
10.0	7.07	7.61/7.59	45.9	3.23

Beam Angle(B): H41.7 V41.5 Field Angle(F): H84.9 V80.4

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: 179.3 lx

(10%): 17.9 lx
(20%): 35.9 lx
(25%): 44.8 lx
(30%): 53.8 lx
(40%): 71.7 lx
(50%): 89.6 lx
(60%): 107.6 lx
(70%): 125.5 lx
(80%): 143.4 lx
(90%): 161.4 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:

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Area Flux Table

Unit: lm

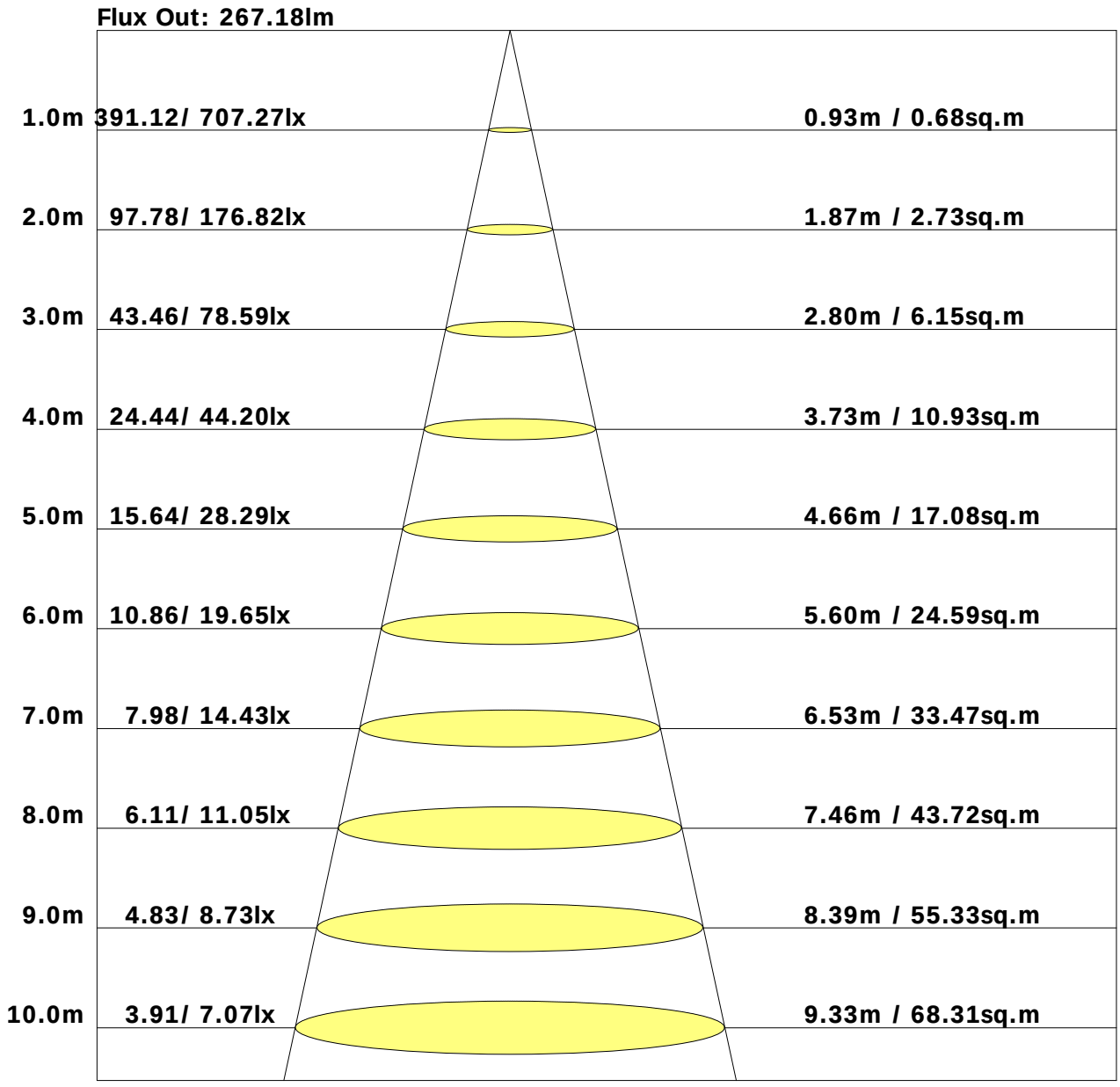
Vertical plane (columns) / Horizontal plane (rows)

Horizontal 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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	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	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	0.0	2.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
-60	0.0	4.6	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	
-50	0.3	9.5	0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.8	0.6	0.3	0.2	0.1	0.0	0.0	
-40	12.7	19.4	0.1	0.1	0.3	0.5	0.8	1.3	2.0	2.6	3.0	2.9	2.4	1.7	1.0	0.5	0.2	0.1	0.0	0.0	
-30	33.2	38.6	0.1	0.2	0.3	0.6	1.1	2.1	3.8	5.9	6.9	6.5	5.1	3.2	1.6	0.7	0.3	0.1	0.0	0.0	
-20	62.5	67.5	0.1	0.2	0.4	0.7	1.5	3.1	6.3	10.9	13.6	12.3	9.1	5.3	2.5	0.9	0.3	0.1	0.1	0.0	
-10	88.5	93.2	0.1	0.2	0.4	0.8	1.7	4.0	8.7	15.4	19.8	17.9	12.7	7.0	3.0	1.0	0.4	0.1	0.1	0.0	
0	92.1	96.8	0.1	0.2	0.4	0.8	1.8	4.1	9.0	16.1	20.9	19.0	13.0	7.0	3.0	0.9	0.4	0.1	0.1	0.0	
10	68.5	73.4	0.1	0.2	0.4	0.8	1.6	3.4	7.0	12.0	15.7	14.1	9.3	5.2	2.3	0.8	0.3	0.1	0.1	0.0	
20	36.4	41.8	0.1	0.2	0.3	0.6	1.2	2.3	4.1	6.6	8.3	7.5	5.1	3.0	1.5	0.6	0.3	0.1	0.0	0.0	
30	14.1	20.6	0.1	0.1	0.3	0.5	0.8	1.3	2.1	2.9	3.5	3.3	2.4	1.6	0.9	0.5	0.2	0.1	0.0	0.0	
40	1.3	10.0	0.0	0.1	0.2	0.3	0.5	0.7	1.0	1.3	1.4	1.4	1.1	0.8	0.5	0.3	0.2	0.1	0.0	0.0	
50	0.0	4.8	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	
60	0.0	2.2	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
70	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
80	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	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																					
Flux(T)		486	0.8	1.8	3.6	6.7	12.4	24.3	46.4	76.4	96.0	87.7	62.7	36.9	17.8	7.1	3.1	1.0	0.6	0.6	
Flux(E)	410		0.0	0.0	0.0	0.0	1.2	17.7	41.8	72.6	92.3	84.1	58.8	31.9	9.5	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	13.4	14.5	13.8	14.8	15.2	12.1	13.2	12.6	13.6	14.0
3H	14.6	15.5	15.0	15.9	16.4	13.0	13.9	13.4	14.3	14.8
4H	15.0	15.9	15.4	16.3	16.7	13.2	14.1	13.7	14.5	15.0
6H	15.2	16.0	15.7	16.5	16.9	13.3	14.2	13.8	14.6	15.1
8H	15.3	16.0	15.8	16.5	17.0	13.4	14.1	13.9	14.6	15.1
12H	15.3	16.0	15.8	16.5	17.0	13.4	14.1	13.9	14.6	15.1
X=4H Y=2H	13.4	14.3	13.9	14.7	15.2	12.6	13.5	13.0	13.9	14.3
3H	14.7	15.4	15.2	15.9	16.4	13.6	14.3	14.0	14.7	15.2
4H	15.2	15.8	15.7	16.3	16.8	13.9	14.5	14.3	15.0	15.5
6H	15.5	16.1	16.0	16.6	17.1	14.1	14.6	14.6	15.1	15.7
8H	15.6	16.1	16.1	16.6	17.2	14.1	14.6	14.6	15.1	15.7
12H	15.6	16.1	16.2	16.6	17.2	14.1	14.6	14.7	15.1	15.7
X=8H Y=4H	15.1	15.6	15.6	16.1	16.7	14.0	14.5	14.5	15.0	15.6
6H	15.5	15.9	16.0	16.5	17.0	14.3	14.7	14.8	15.2	15.8
8H	15.6	16.0	16.2	16.5	17.1	14.4	14.7	14.9	15.3	15.9
12H	15.7	16.0	16.3	16.6	17.2	14.5	14.8	15.0	15.3	16.0
X=12H Y=4H	15.1	15.5	15.6	16.1	16.6	14.0	14.4	14.5	15.0	15.5
6H	15.4	15.8	16.0	16.3	17.0	14.3	14.7	14.9	15.2	15.8
8H	15.6	15.9	16.2	16.5	17.1	14.4	14.7	15.0	15.3	15.9

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	0.78	0.86	0.91	0.94	0.99	1.02	1.04	1.07	1.09
	0.30		0.73	0.81	0.86	0.90	0.95	0.98	1.01	1.04	1.06
	0.20		0.69	0.77	0.82	0.86	0.92	0.95	0.98	1.02	1.04
0.50	0.50	0.20	0.77	0.84	0.88	0.91	0.95	0.98	1.00	1.02	1.04
	0.30		0.72	0.79	0.84	0.87	0.92	0.95	0.97	1.00	1.02
	0.20		0.69	0.76	0.81	0.84	0.89	0.93	0.95	0.98	1.00
0.30	0.50	0.20	0.75	0.82	0.86	0.89	0.92	0.95	0.96	0.98	1.00
	0.30		0.71	0.78	0.82	0.85	0.90	0.92	0.94	0.97	0.98
	0.20		0.68	0.75	0.80	0.83	0.87	0.90	0.92	0.95	0.97
0.00	0.00	0.00	0.66	0.73	0.77	0.80	0.84	0.86	0.88	0.90	0.92

Rating:9W 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 = 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	0.66	0.54	0.45	0.39	0.31	0.25	0.22	0.17	0.14
	0.30		0.55	0.46	0.39	0.35	0.28	0.23	0.20	0.16	0.13
	0.20		0.47	0.40	0.35	0.31	0.25	0.22	0.19	0.15	0.12
0.50	0.50	0.20	0.63	0.51	0.42	0.36	0.29	0.27	0.20	0.15	0.12
	0.30		0.53	0.44	0.37	0.33	0.26	0.22	0.19	0.15	0.12
	0.20		0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12
0.30	0.50	0.20	0.60	0.48	0.40	0.34	0.26	0.22	0.18	0.14	0.12
	0.30		0.51	0.42	0.36	0.31	0.24	0.20	0.17	0.13	0.11
	0.20		0.45	0.37	0.32	0.28	0.23	0.19	0.16	0.13	0.11
0.00	0.00	0.00	0.32	0.25	0.21	0.18	0.14	0.11	0.10	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

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 = 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	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.22
	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	0.22	0.23
	0.30		0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.10	0.12	0.13	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	0.21	0.22
	0.30		0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.10	0.12	0.13	0.15	0.16	0.17	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

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	707.5	0.7	0.7	0.14	0.14
1.0-2.0	705.4	2.0	2.7	0.40	0.54
2.0-3.0	701.1	3.4	6.1	0.67	1.21
3.0-4.0	694.8	4.7	10.7	0.93	2.14
4.0-5.0	686.4	5.9	16.6	1.18	3.32
5.0-6.0	675.9	7.1	23.7	1.42	4.73
6.0-7.0	663.7	8.2	32.0	1.64	6.38
7.0-8.0	649.5	9.3	41.3	1.86	8.23
8.0-9.0	633.4	10.3	51.5	2.05	10.28
9.0-10.0	615.8	11.1	62.7	2.22	12.51
10.0-11.0	596.9	11.9	74.6	2.38	14.89
11.0-12.0	576.6	12.6	87.2	2.52	17.40
12.0-13.0	555.1	13.2	100.4	2.63	20.03
13.0-14.0	532.9	13.6	114.0	2.72	22.75
14.0-15.0	509.7	14.0	128.0	2.79	25.55
15.0-16.0	485.9	14.2	142.3	2.84	28.39
16.0-17.0	462.2	14.4	156.6	2.87	31.26
17.0-18.0	438.2	14.4	171.1	2.88	34.14
18.0-19.0	414.2	14.4	185.5	2.88	37.02
19.0-20.0	390.5	14.3	199.8	2.85	39.87
20.0-21.0	367.3	14.1	213.9	2.81	42.69
21.0-22.0	344.4	13.8	227.7	2.76	45.45
22.0-23.0	322.2	13.5	241.3	2.70	48.15
23.0-24.0	301.0	13.2	254.4	2.63	50.77
24.0-25.0	280.4	12.8	267.2	2.54	53.32
25.0-26.0	260.8	12.3	279.5	2.46	55.77
26.0-27.0	242.3	11.9	291.3	2.37	58.14
27.0-28.0	224.5	11.4	302.7	2.27	60.41
28.0-29.0	207.9	10.9	313.6	2.17	62.58
29.0-30.0	192.3	10.4	324.0	2.07	64.65
30.0-31.0	177.7	9.9	333.9	1.97	66.62
31.0-32.0	164.0	9.4	343.3	1.88	68.50
32.0-33.0	151.3	8.9	352.2	1.78	70.28
33.0-34.0	139.4	8.4	360.6	1.68	71.96
34.0-35.0	128.2	8.0	368.6	1.59	73.55
35.0-36.0	118.0	7.5	376.1	1.50	75.05

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: 9.028 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	108.5	7.1	383.2	1.41	76.46
37.0-38.0	99.6	6.7	389.8	1.33	77.79
38.0-39.0	91.5	6.2	396.1	1.25	79.04
39.0-40.0	83.8	5.8	401.9	1.17	80.20
40.0-41.0	76.8	5.5	407.4	1.09	81.29
41.0-42.0	70.4	5.1	412.5	1.02	82.32
42.0-43.0	64.6	4.8	417.3	0.96	83.27
43.0-44.0	59.3	4.5	421.8	0.89	84.16
44.0-45.0	54.4	4.2	425.9	0.83	85.00
45.0-46.0	50.1	3.9	429.9	0.78	85.78
46.0-47.0	46.3	3.7	433.5	0.73	86.52
47.0-48.0	42.8	3.5	437.0	0.69	87.21
48.0-49.0	39.7	3.3	440.3	0.65	87.86
49.0-50.0	36.8	3.1	443.3	0.61	88.47
50.0-51.0	34.3	2.9	446.2	0.58	89.05
51.0-52.0	31.9	2.7	449.0	0.55	89.59
52.0-53.0	29.6	2.6	451.5	0.51	90.11
53.0-54.0	27.6	2.4	454.0	0.49	90.59
54.0-55.0	25.7	2.3	456.3	0.46	91.05
55.0-56.0	24.0	2.2	458.4	0.43	91.49
56.0-57.0	22.3	2.0	460.5	0.41	91.89
57.0-58.0	20.8	1.9	462.4	0.38	92.28
58.0-59.0	19.3	1.8	464.2	0.36	92.64
59.0-60.0	17.9	1.7	465.9	0.34	92.97
60.0-61.0	16.6	1.6	467.5	0.32	93.29
61.0-62.0	15.3	1.5	469.0	0.29	93.58
62.0-63.0	14.2	1.4	470.3	0.28	93.86
63.0-64.0	13.1	1.3	471.6	0.26	94.12
64.0-65.0	12.2	1.2	472.8	0.24	94.36
65.0-66.0	11.3	1.1	474.0	0.23	94.58
66.0-67.0	10.5	1.1	475.0	0.21	94.79
67.0-68.0	9.8	1.0	476.0	0.20	94.99
68.0-69.0	9.1	0.9	476.9	0.18	95.18
69.0-70.0	8.4	0.9	477.8	0.17	95.35
70.0-71.0	7.8	0.8	478.6	0.16	95.51
71.0-72.0	7.1	0.7	479.3	0.15	95.66

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.5	0.7	480.0	0.14	95.79
73.0-74.0	6.0	0.6	480.7	0.13	95.92
74.0-75.0	5.4	0.6	481.2	0.11	96.03
75.0-76.0	4.9	0.5	481.8	0.10	96.14
76.0-77.0	4.5	0.5	482.2	0.10	96.23
77.0-78.0	4.1	0.4	482.7	0.09	96.32
78.0-79.0	3.7	0.4	483.1	0.08	96.40
79.0-80.0	3.4	0.4	483.4	0.07	96.47
80.0-81.0	3.1	0.3	483.8	0.07	96.54
81.0-82.0	2.8	0.3	484.1	0.06	96.60
82.0-83.0	2.5	0.3	484.3	0.05	96.65
83.0-84.0	2.3	0.3	484.6	0.05	96.70
84.0-85.0	2.1	0.2	484.8	0.05	96.75
85.0-86.0	2.0	0.2	485.0	0.04	96.79
86.0-87.0	1.9	0.2	485.3	0.04	96.84
87.0-88.0	1.9	0.2	485.5	0.04	96.88
88.0-89.0	1.9	0.2	485.7	0.04	96.92
89.0-90.0	1.8	0.2	485.9	0.04	96.96
90.0-91.0	1.8	0.2	486.1	0.04	97.00
91.0-92.0	1.8	0.2	486.3	0.04	97.04
92.0-93.0	1.8	0.2	486.5	0.04	97.08
93.0-94.0	1.8	0.2	486.7	0.04	97.12
94.0-95.0	1.8	0.2	486.9	0.04	97.16
95.0-96.0	1.8	0.2	487.1	0.04	97.20
96.0-97.0	1.8	0.2	487.3	0.04	97.24
97.0-98.0	1.8	0.2	487.5	0.04	97.27
98.0-99.0	1.8	0.2	487.6	0.04	97.31
99.0-100.0	1.8	0.2	487.8	0.04	97.35
100.0-101.0	1.8	0.2	488.0	0.04	97.39
101.0-102.0	1.8	0.2	488.2	0.04	97.43
102.0-103.0	1.8	0.2	488.4	0.04	97.47
103.0-104.0	1.8	0.2	488.6	0.04	97.50
104.0-105.0	1.8	0.2	488.8	0.04	97.54
105.0-106.0	1.8	0.2	489.0	0.04	97.58
106.0-107.0	1.8	0.2	489.2	0.04	97.62
107.0-108.0	1.8	0.2	489.3	0.04	97.65

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	1.8	0.2	489.5	0.04	97.69
109.0-110.0	1.8	0.2	489.7	0.04	97.73
110.0-111.0	1.8	0.2	489.9	0.04	97.76
111.0-112.0	1.8	0.2	490.1	0.04	97.80
112.0-113.0	1.8	0.2	490.3	0.04	97.84
113.0-114.0	1.9	0.2	490.5	0.04	97.88
114.0-115.0	1.9	0.2	490.7	0.04	97.91
115.0-116.0	1.9	0.2	490.8	0.04	97.95
116.0-117.0	1.9	0.2	491.0	0.04	97.99
117.0-118.0	2.0	0.2	491.2	0.04	98.03
118.0-119.0	2.0	0.2	491.4	0.04	98.07
119.0-120.0	2.0	0.2	491.6	0.04	98.10
120.0-121.0	2.0	0.2	491.8	0.04	98.14
121.0-122.0	2.0	0.2	492.0	0.04	98.18
122.0-123.0	2.1	0.2	492.2	0.04	98.22
123.0-124.0	2.1	0.2	492.4	0.04	98.26
124.0-125.0	2.2	0.2	492.6	0.04	98.30
125.0-126.0	2.2	0.2	492.8	0.04	98.34
126.0-127.0	2.2	0.2	493.0	0.04	98.37
127.0-128.0	2.3	0.2	493.2	0.04	98.41
128.0-129.0	2.3	0.2	493.4	0.04	98.45
129.0-130.0	2.4	0.2	493.6	0.04	98.49
130.0-131.0	2.4	0.2	493.8	0.04	98.54
131.0-132.0	2.5	0.2	494.0	0.04	98.58
132.0-133.0	2.5	0.2	494.2	0.04	98.62
133.0-134.0	2.6	0.2	494.4	0.04	98.66
134.0-135.0	2.6	0.2	494.6	0.04	98.70
135.0-136.0	2.7	0.2	494.8	0.04	98.74
136.0-137.0	2.7	0.2	495.0	0.04	98.78
137.0-138.0	2.8	0.2	495.2	0.04	98.82
138.0-139.0	2.9	0.2	495.4	0.04	98.86
139.0-140.0	2.9	0.2	495.6	0.04	98.90
140.0-141.0	3.0	0.2	495.8	0.04	98.95
141.0-142.0	3.1	0.2	496.0	0.04	98.99
142.0-143.0	3.1	0.2	496.2	0.04	99.03
143.0-144.0	3.2	0.2	496.5	0.04	99.07

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	3.3	0.2	496.7	0.04	99.11
145.0-146.0	3.3	0.2	496.9	0.04	99.15
146.0-147.0	3.4	0.2	497.1	0.04	99.19
147.0-148.0	3.5	0.2	497.3	0.04	99.23
148.0-149.0	3.5	0.2	497.5	0.04	99.27
149.0-150.0	3.6	0.2	497.7	0.04	99.31
150.0-151.0	3.6	0.2	497.9	0.04	99.35
151.0-152.0	3.7	0.2	498.1	0.04	99.39
152.0-153.0	3.7	0.2	498.3	0.04	99.43
153.0-154.0	3.8	0.2	498.4	0.04	99.47
154.0-155.0	3.9	0.2	498.6	0.04	99.50
155.0-156.0	3.9	0.2	498.8	0.04	99.54
156.0-157.0	3.9	0.2	499.0	0.03	99.57
157.0-158.0	4.0	0.2	499.1	0.03	99.61
158.0-159.0	4.1	0.2	499.3	0.03	99.64
159.0-160.0	4.1	0.2	499.5	0.03	99.67
160.0-161.0	4.1	0.2	499.6	0.03	99.70
161.0-162.0	4.2	0.1	499.8	0.03	99.73
162.0-163.0	4.2	0.1	499.9	0.03	99.76
163.0-164.0	4.3	0.1	500.0	0.03	99.78
164.0-165.0	4.3	0.1	500.2	0.03	99.81
165.0-166.0	4.3	0.1	500.3	0.02	99.83
166.0-167.0	4.4	0.1	500.4	0.02	99.86
167.0-168.0	4.4	0.1	500.5	0.02	99.88
168.0-169.0	4.4	0.1	500.6	0.02	99.90
169.0-170.0	4.5	0.1	500.7	0.02	99.91
170.0-171.0	4.5	0.1	500.8	0.02	99.93
171.0-172.0	4.5	0.1	500.8	0.01	99.94
172.0-173.0	4.5	0.1	500.9	0.01	99.96
173.0-174.0	4.5	0.1	501.0	0.01	99.97
174.0-175.0	4.6	0.0	501.0	0.01	99.98
175.0-176.0	4.6	0.0	501.0	0.01	99.99
176.0-177.0	4.6	0.0	501.1	0.01	99.99
177.0-178.0	4.6	0.0	501.1	0.00	100.00
178.0-179.0	4.6	0.0	501.1	0.00	100.00
179.0-180.0	4.6	0.0	501.1	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: