GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2022/11/25 15:02**

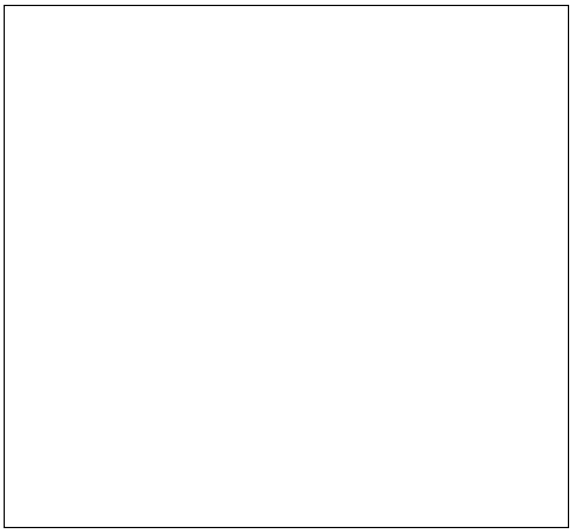
Luminaire Property

Luminaire Manufacturer: Acolyte
Luminaire Category: Neon Silhouette Plus
Luminaire Description: Neon Silhouette Plus VW-Warm only
Lamp Catalog: NLSP4.5VW-Warm only **Number of Lamps: 1**
Luminous Length (mm): 500 **Luminous Width (mm): 12**
Luminous Height (mm): 20 **Voltage: 24.0 V**
Current: 0.146 A **Power: 3.49 W**
Power Factor: 1.000

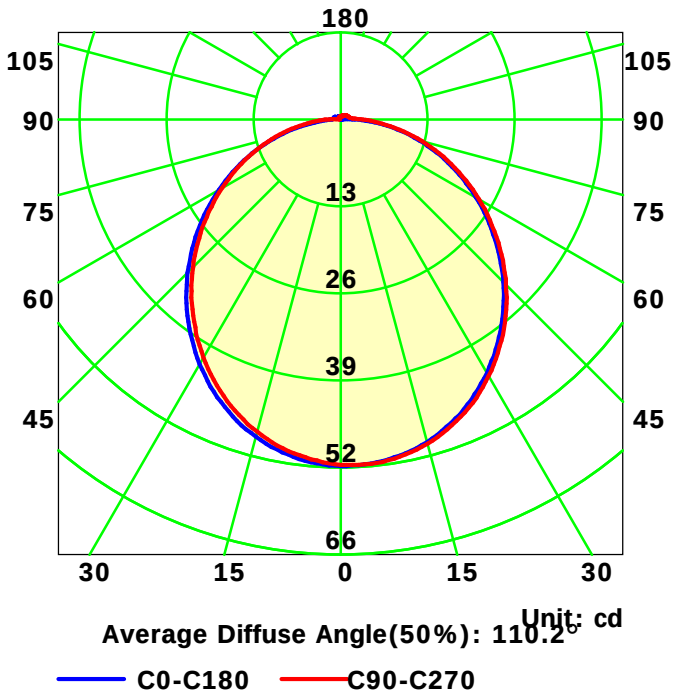
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 155.0 lm**
Measurement Flux: 155 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H166.1,H110.3
Vertical Diffuse Angle(10%,50%): V168.7,V110.1
Luminaire Efficacy Rating (LER): 44 **Central Intensity: 52.65 cd**
Max. Intensity: 52.67 cd **Pos of Max. Intensity: H0 V1**

Picture Of Luminaire

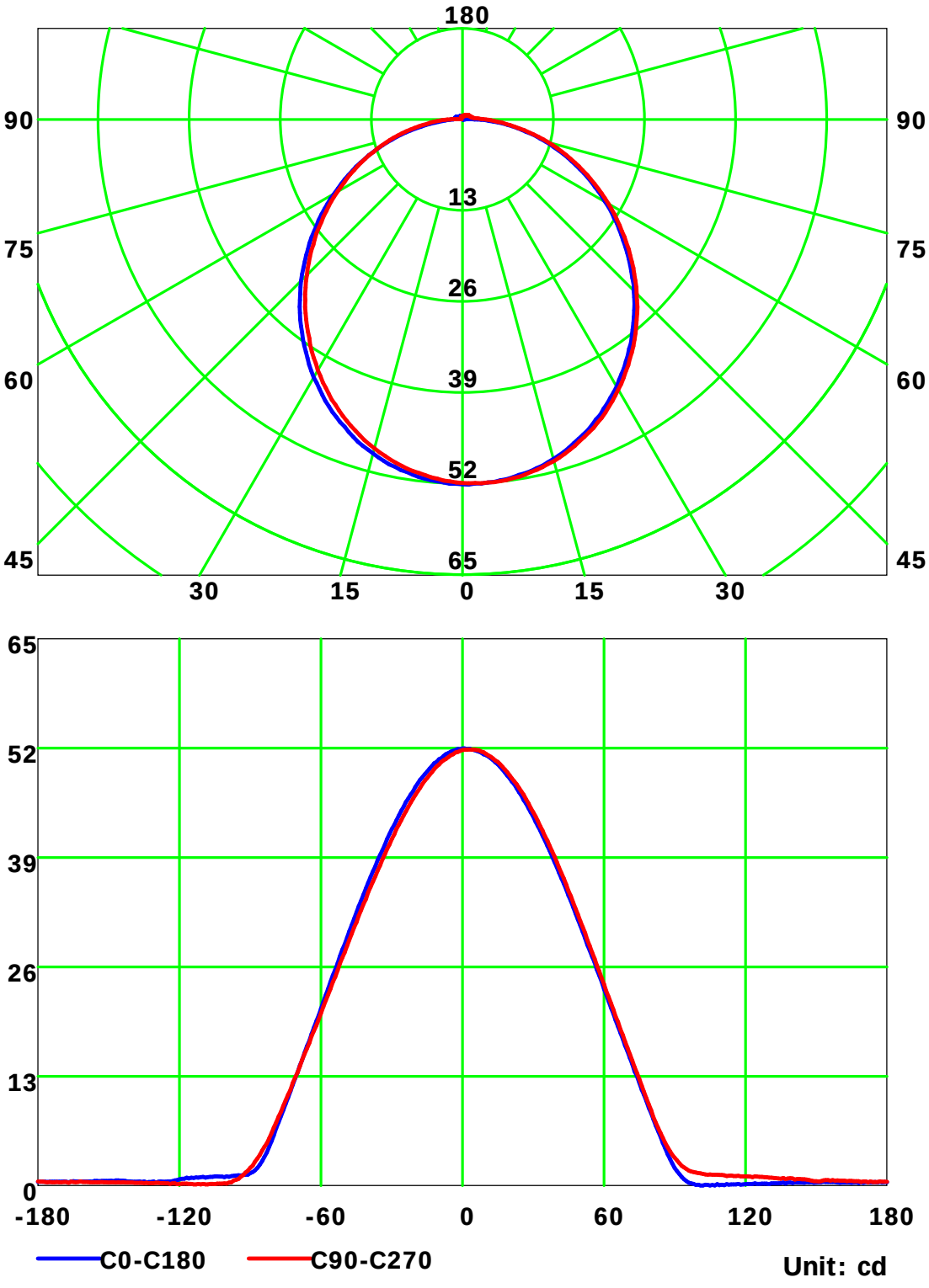


Luminous Intensity Distribution Curve



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:**

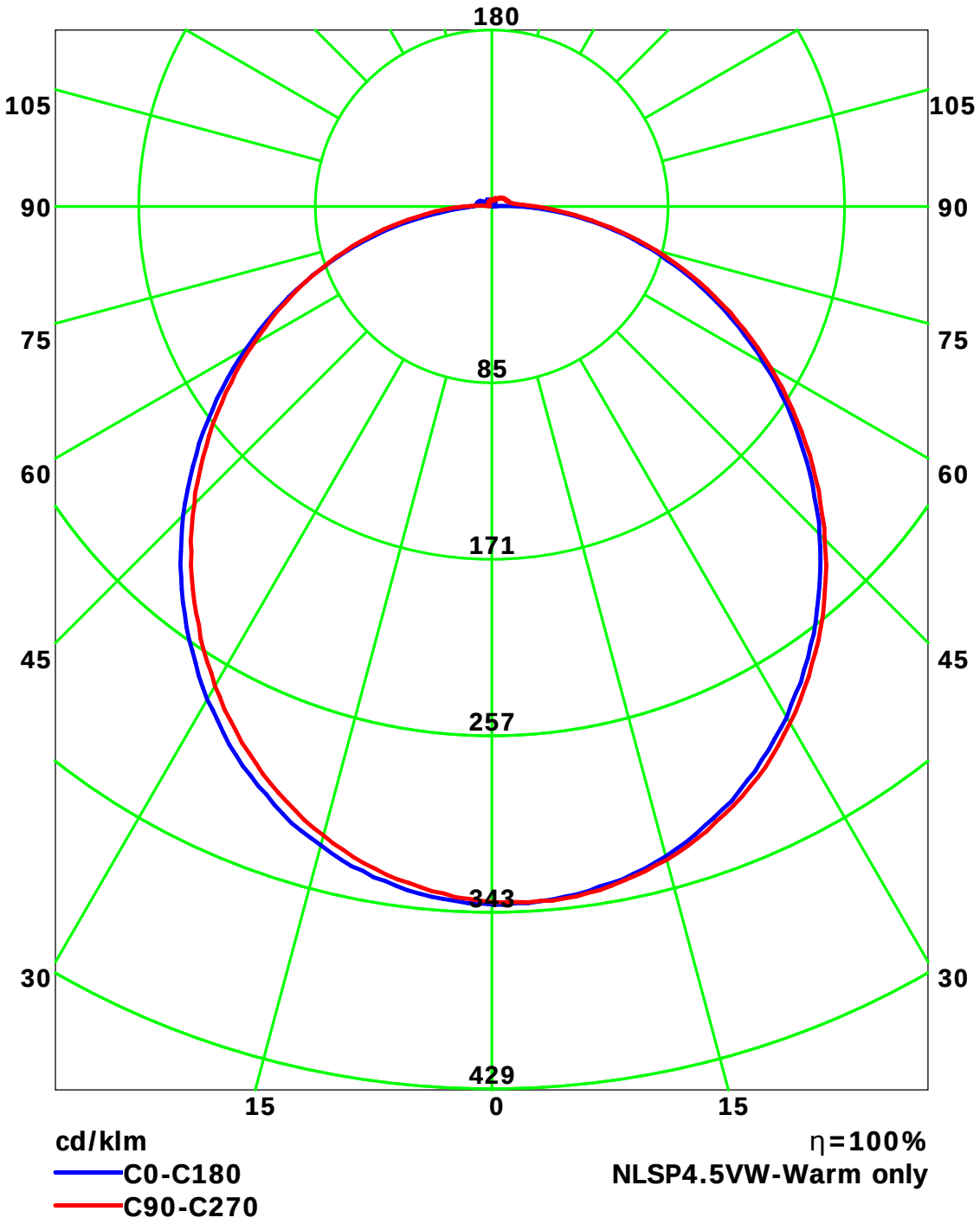
Luminous Intensity Distribution Curve



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

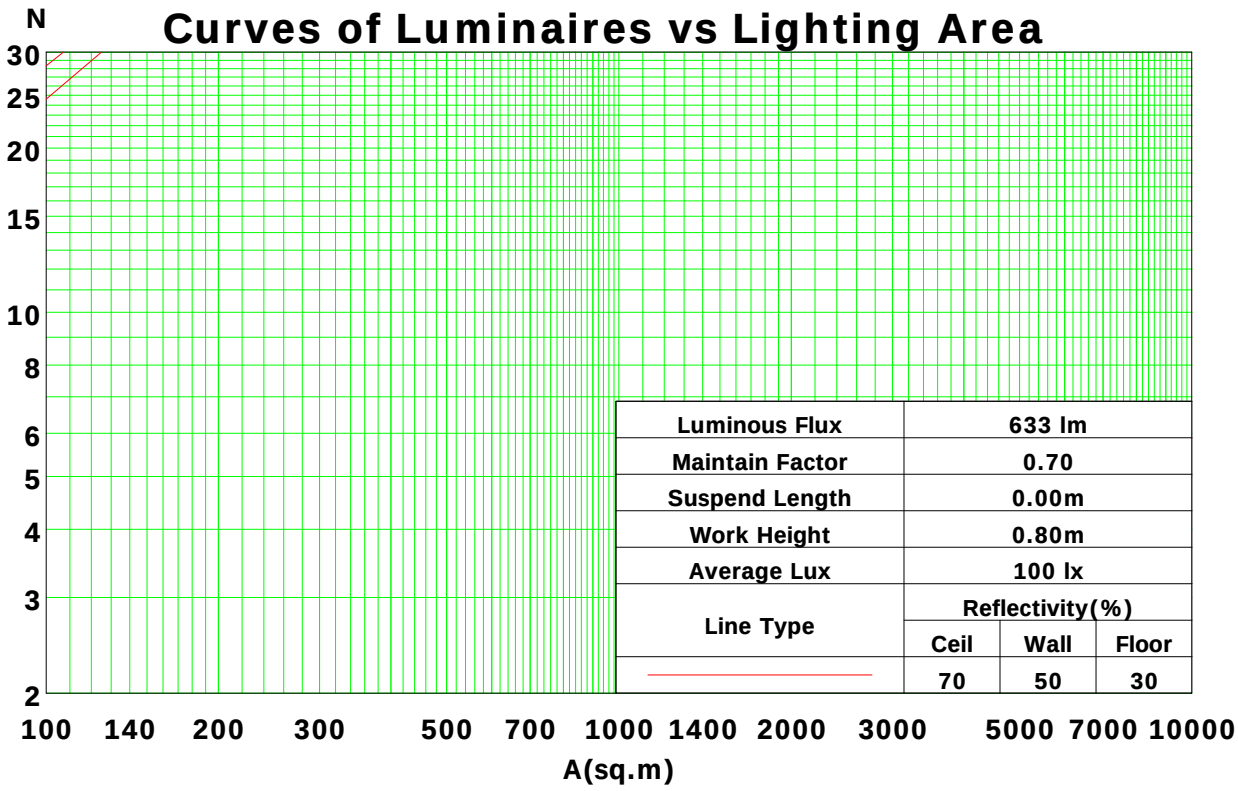
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	104	104	104	100	100	100	97
1	107	102	98	94	104	100	96	92	95	92	88	91	88	85	87	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	76	72	68	66
3	89	78	69	63	86	76	68	62	73	66	61	70	64	59	67	62	58	55
4	81	69	60	53	79	67	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	52	46	72	60	52	45	58	50	45	56	49	44	53	48	43	41
6	69	55	46	40	67	54	46	40	52	45	39	50	44	38	48	42	38	36
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	34	32
8	59	46	37	31	58	45	37	31	43	36	31	42	35	30	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	26	51	38	31	25	37	30	25	36	29	25	35	29	25	23

Spacing Criteria (0-180): 1.23
Spacing Criteria (90-270): 1.23
Spacing Criteria (Diagonal): 1.35

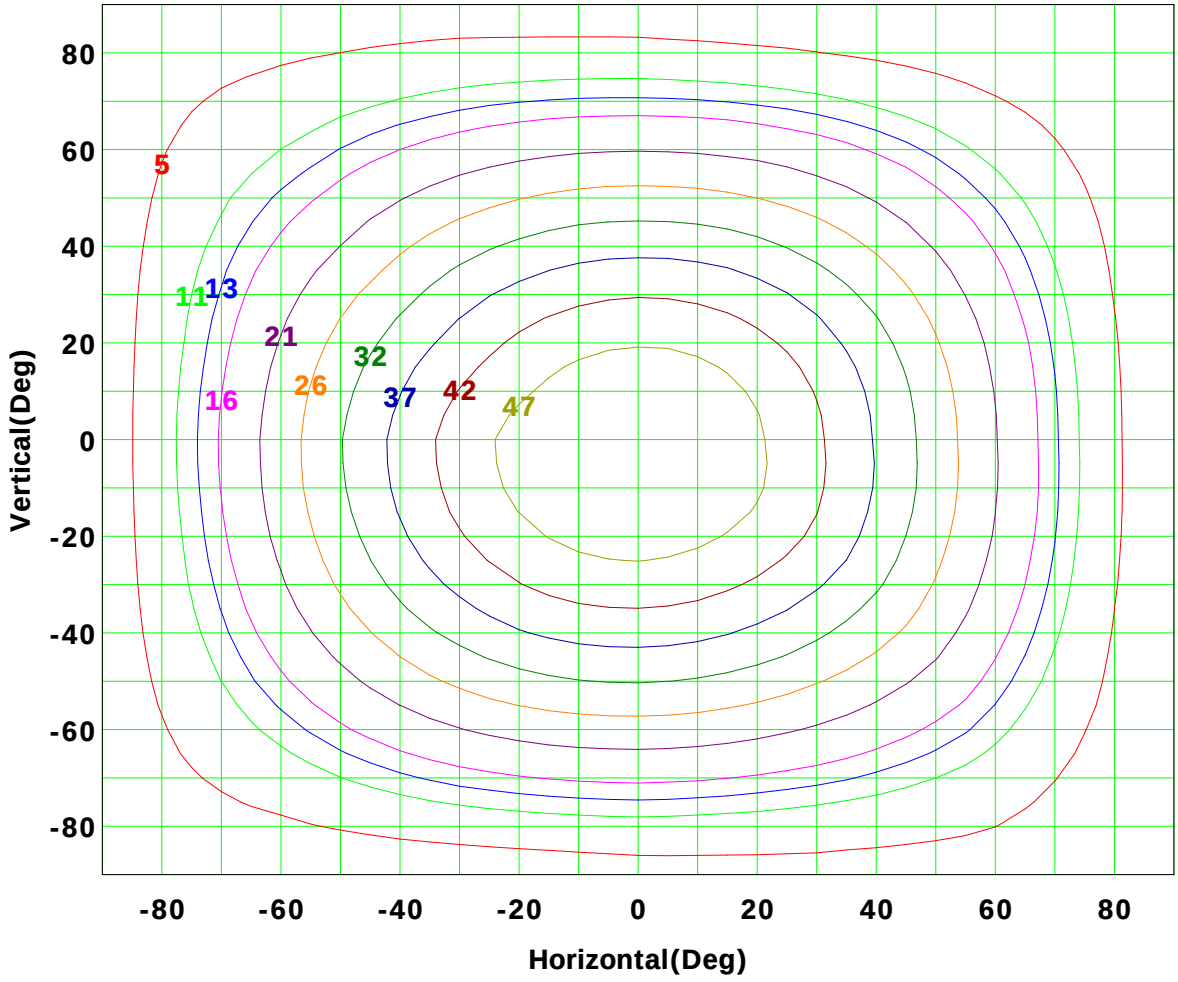
Curves of Luminaires vs Lighting Area



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)



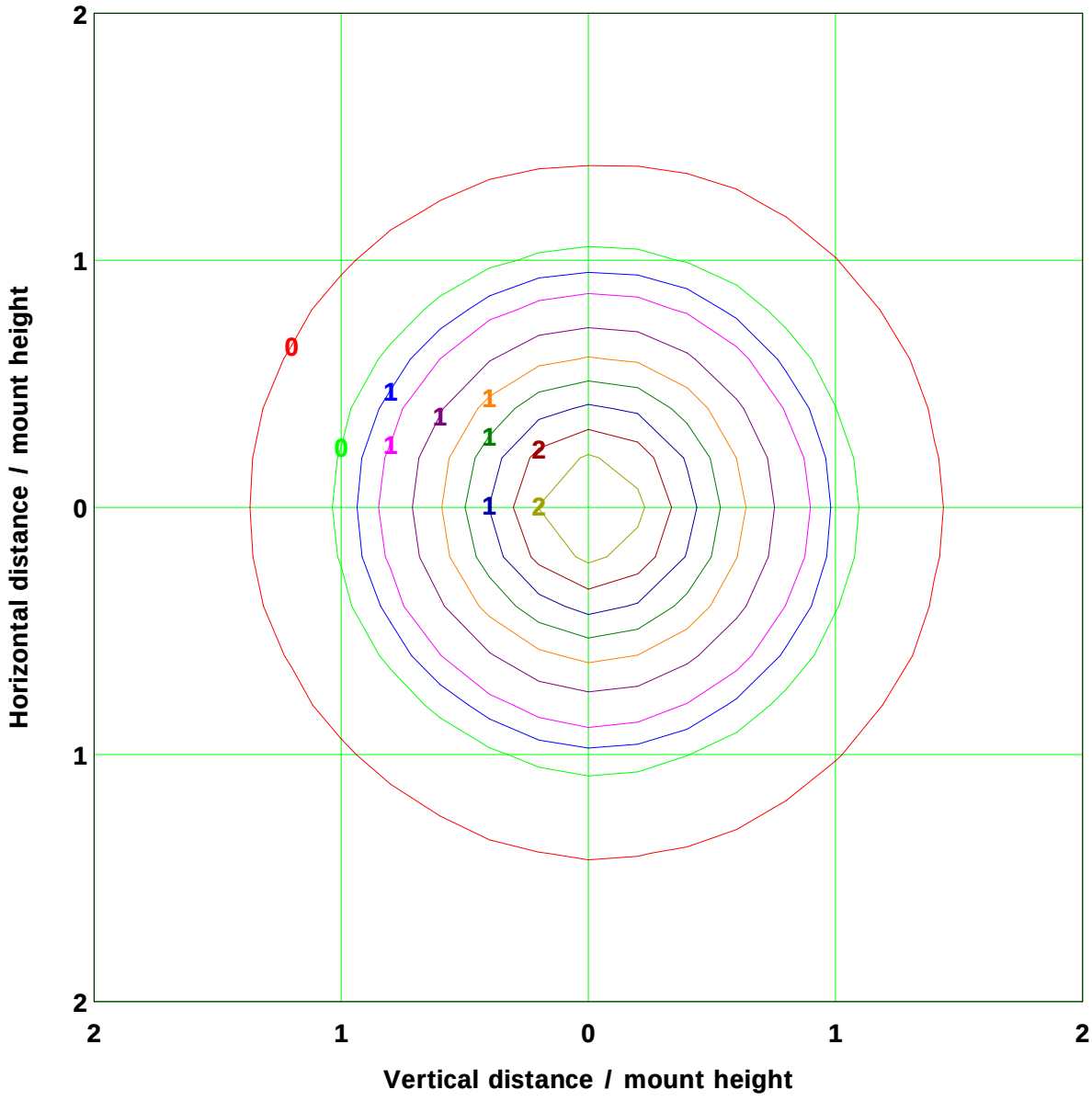
Imax (100%): 53 cd

(10%):	5 cd	(20%):	11 cd
(25%):	13 cd	(30%):	16 cd
(40%):	21 cd	(50%):	26 cd
(60%):	32 cd	(70%):	37 cd
(80%):	42 cd	(90%):	47 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%): 2.1 lx

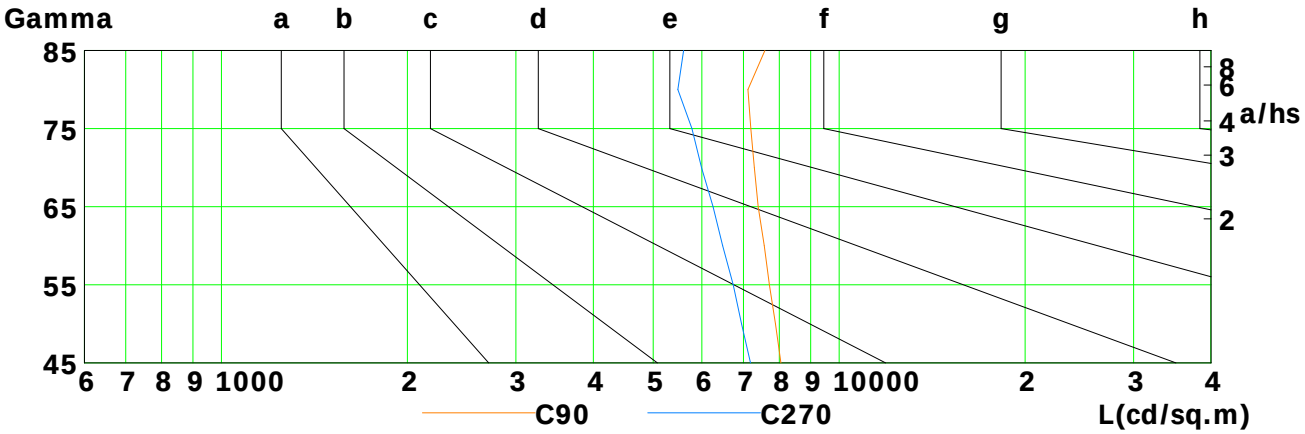
(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.1 lx
(60%): 1.3 lx	(70%): 1.5 lx
(80%): 1.7 lx	(90%): 1.9 lx

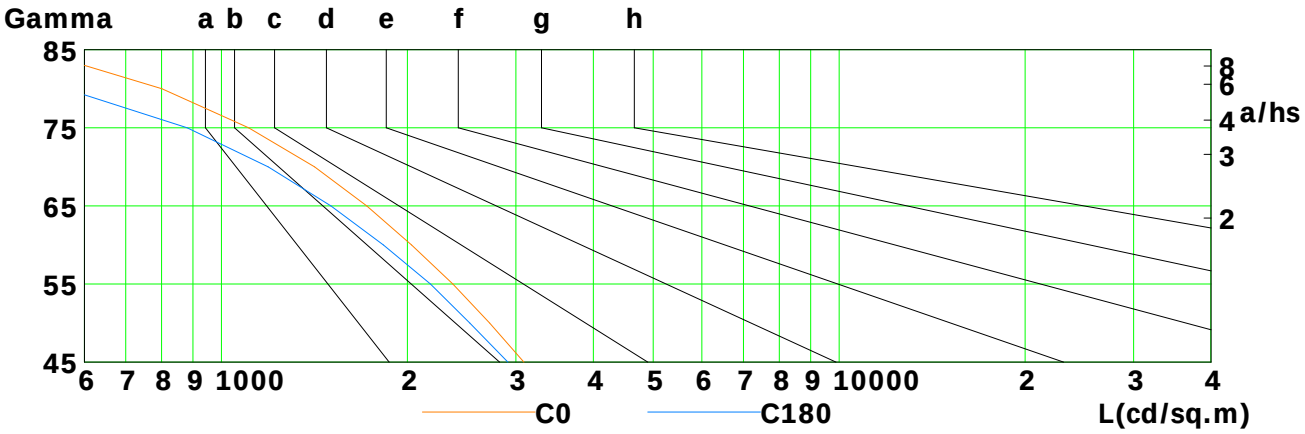
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



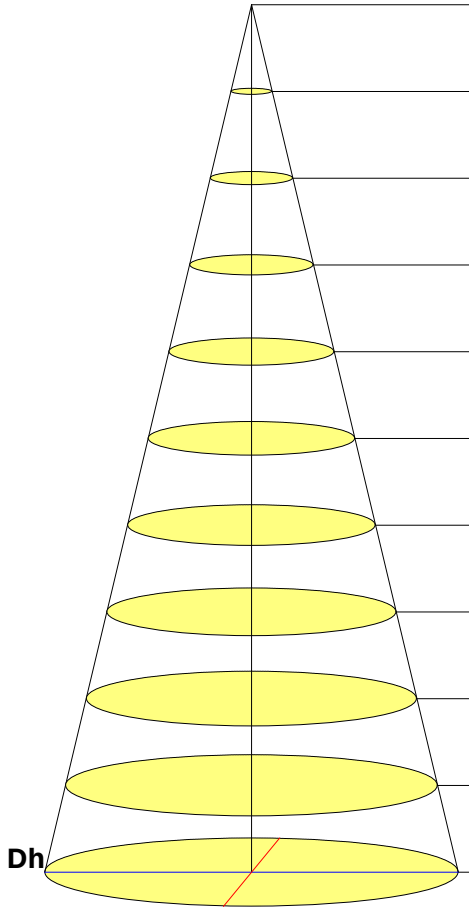


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3089	2720	2371	2033	1719	1415	1108	802	494
C90	8048	7887	7713	7569	7402	7293	7200	7119	7585
C180	2911	2525	2179	1829	1505	1190	880	559	286
C270	7191	6954	6740	6478	6254	5989	5777	5484	5604

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



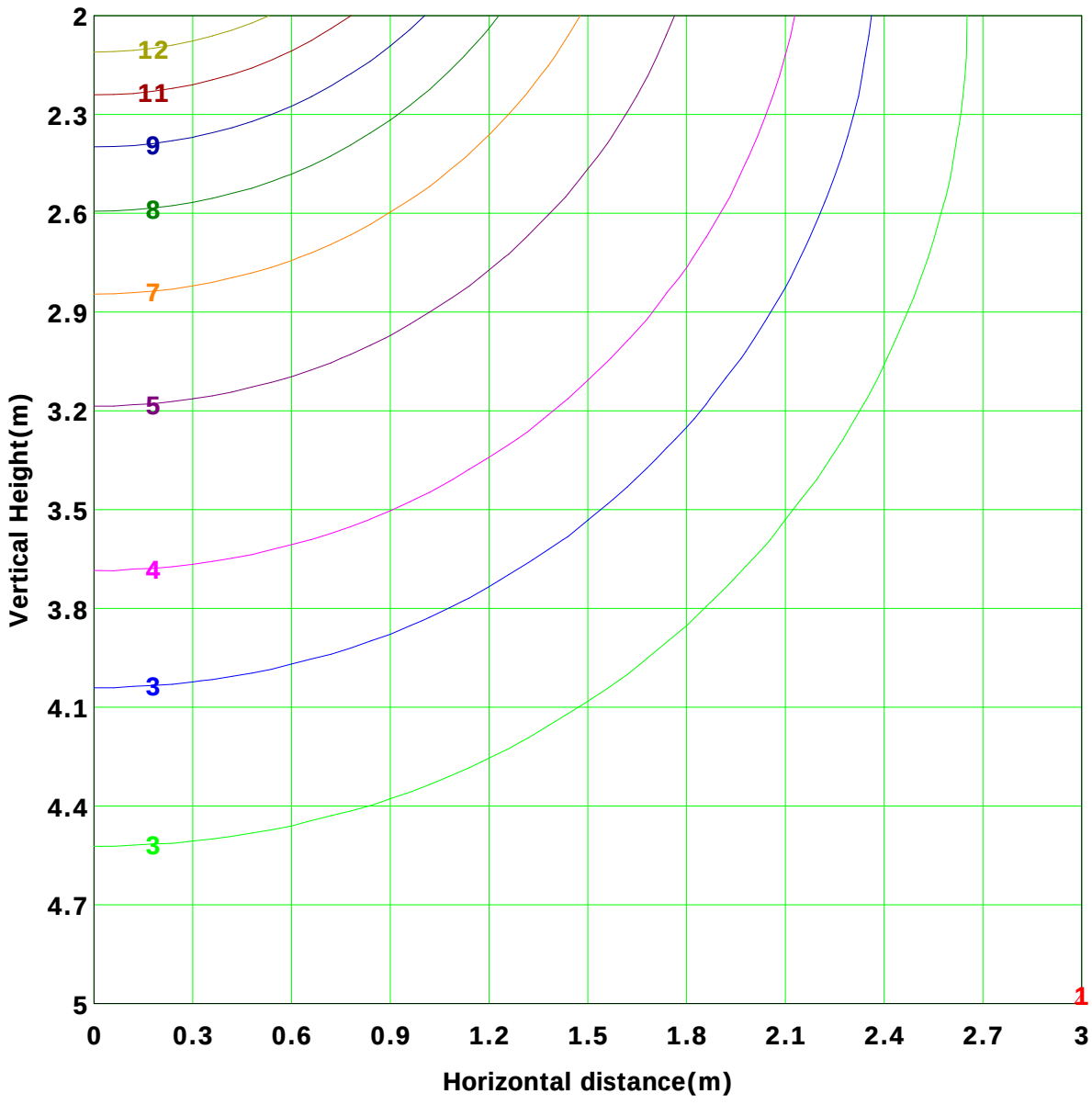
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	52.65	2.87/2.86	6.5	8.98
2.0	13.16	5.74/5.72	26.1	2.24
3.0	5.85	8.61/8.58	58.7	1.00
4.0	3.29	11.48/11.45	104.4	0.56
5.0	2.11	14.35/14.31	163.1	0.36
6.0	1.46	17.22/17.17	234.8	0.25
7.0	1.07	20.09/20.03	319.6	0.18
8.0	0.82	22.96/22.89	417.4	0.14
9.0	0.65	25.83/25.75	528.3	0.11
10.0	0.53	28.70/28.61	652.2	0.09

Beam Angle(B): H110.3 V110.1 Field Angle(F): H166.1 V168.7

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: 13.2 lx

(10%): 1.3 lx
(20%): 2.6 lx
(25%): 3.3 lx
(30%): 3.9 lx
(40%): 5.3 lx
(50%): 6.6 lx
(60%): 7.9 lx
(70%): 9.2 lx
(80%): 10.5 lx
(90%): 11.8 lx

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:

GENLED Brands
www.genledbrands.com
Tel: +1 212 629 6830
Fax:

Area Flux Table

Unit: lm

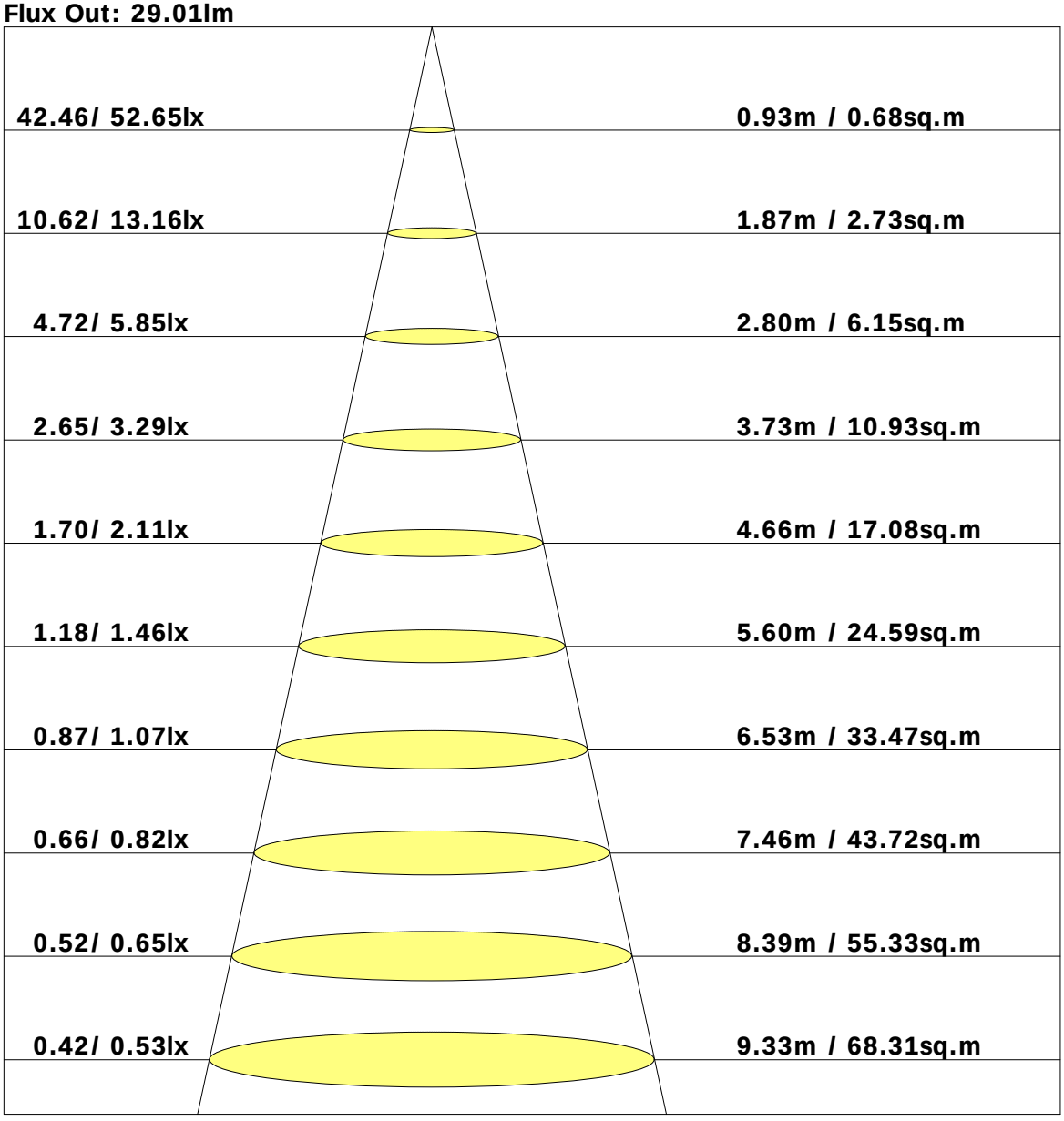
Vertical plane \ Horizontal plane	-90 to -80	-80 to -70	-70 to -60	-60 to -50	-50 to -40	-40 to -30	-30 to -20	-20 to -10	-10 to 0	0 to 10	10 to 20	20 to 30	30 to 40	40 to 50	50 to 60	60 to 70	70 to 80	80 to 90	Flux(T)	Flux(E)
-90 to -80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.2	0.3
-80 to -70	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	2.8	2.6
-70 to -60	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	4.7	4.6
-60 to -50	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.1	0.0	6.6	6.6
-50 to -40	0.0	0.1	0.1	0.3	0.5	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.0	8.5	8.5
-40 to -30	0.0	0.1	0.2	0.3	0.5	0.8	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.4	0.2	0.1	0.0	10.2	10.2
-30 to -20	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.3	1.3	1.2	1.1	0.9	0.6	0.4	0.2	0.1	0.0	11.7	11.7
-20 to -10	0.0	0.1	0.2	0.4	0.7	0.9	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.1	0.0	12.9	12.9
-10 to 0	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.6	1.6	1.5	1.3	1.0	0.7	0.5	0.3	0.1	0.0	13.6	13.6
0 to 10	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.8	0.5	0.3	0.1	0.0	13.8	13.8
10 to 20	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.3	1.0	0.7	0.5	0.3	0.1	0.0	13.4	13.4
20 to 30	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.3	1.4	1.4	1.3	1.2	0.9	0.7	0.4	0.2	0.1	0.0	12.5	12.5
30 to 40	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	11.2	11.2
40 to 50	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0	9.5	9.5
50 to 60	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.1	0.1	0.0	7.6	7.5
60 to 70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.5	5.5
70 to 80	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	3.5	3.4
80 to 90	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.7	0.9
Flux(T)	0.1	0.9	2.6	5.0	8.0	11.0	13.8	15.9	17.1	17.1	16.0	13.9	11.2	8.2	5.4	2.9	1.2	0.2	151	
Flux(E)	0.0	0.8	2.5	4.9	7.8	10.9	13.7	15.8	17.0	17.0	15.9	13.8	11.1	8.1	5.2	2.8	1.1	0.1		148

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

Flux Out: 29.01lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / 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:

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	23.4	25.0	23.8	25.3	25.7	21.5	23.1	21.9	23.5	23.8
3H	25.4	26.8	25.8	27.2	27.6	23.0	24.4	23.4	24.8	25.2
4H	26.2	27.6	26.7	28.0	28.4	23.5	24.9	24.0	25.3	25.7
6H	27.0	28.2	27.4	28.7	29.1	23.9	25.2	24.4	25.6	26.1
8H	27.3	28.5	27.7	28.9	29.4	24.0	25.3	24.5	25.7	26.2
12H	27.5	28.7	28.0	29.1	29.6	24.1	25.3	24.6	25.7	26.2
X=4H Y=2H	23.6	25.0	24.1	25.4	25.8	22.2	23.5	22.6	23.9	24.4
3H	25.8	26.9	26.2	27.4	27.9	23.9	25.0	24.3	25.5	25.9
4H	26.7	27.8	27.2	28.2	28.7	24.5	25.5	25.0	26.0	26.5
6H	27.6	28.5	28.1	29.0	29.5	25.0	25.9	25.5	26.4	26.9
8H	27.9	28.8	28.4	29.3	29.8	25.2	26.0	25.7	26.5	27.0
12H	28.2	29.0	28.8	29.5	30.1	25.3	26.1	25.8	26.6	27.1
X=8H Y=4H	26.8	27.7	27.3	28.2	28.7	24.8	25.7	25.3	26.2	26.7
6H	27.7	28.5	28.3	29.0	29.5	25.4	26.2	26.0	26.7	27.2
8H	28.1	28.8	28.7	29.3	29.9	25.7	26.3	26.2	26.9	27.4
12H	28.5	29.1	29.1	29.6	30.2	25.9	26.4	26.4	27.0	27.6
X=12H Y=4H	26.8	27.6	27.4	28.1	28.7	24.9	25.7	25.4	26.2	26.7
6H	27.7	28.4	28.3	28.9	29.5	25.5	26.2	26.1	26.7	27.3
8H	28.2	28.7	28.7	29.3	29.9	25.8	26.4	26.3	26.9	27.5

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 = 1.25								
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	0.55	0.65	0.72	0.78	0.85	0.90	0.94	0.98	1.01
	0.30		0.47	0.57	0.65	0.70	0.79	0.84	0.88	0.94	0.98
	0.20		0.41	0.51	0.59	0.65	0.73	0.79	0.84	0.90	0.94
0.50	0.50	0.20	0.53	0.63	0.70	0.75	0.81	0.86	0.89	0.94	0.97
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.85	0.90	0.93
	0.20		0.41	0.51	0.58	0.63	0.71	0.77	0.81	0.87	0.91
0.30	0.50	0.20	0.52	0.61	0.67	0.72	0.78	0.82	0.86	0.90	0.92
	0.30		0.45	0.55	0.61	0.66	0.73	0.78	0.82	0.87	0.90
	0.20		0.40	0.50	0.57	0.62	0.70	0.75	0.79	0.84	0.87
0.00	0.00	0.00	0.38	0.47	0.54	0.59	0.66	0.71	0.74	0.79	0.82

Rating:3W 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 = 1.25								
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	1.01	0.84	0.72	0.63	0.51	0.42	0.36	0.28	0.23
	0.30		0.84	0.72	0.63	0.56	0.46	0.39	0.34	0.27	0.22
	0.20		0.72	0.63	0.56	0.50	0.42	0.36	0.31	0.25	0.21
0.50	0.50	0.20	0.97	0.80	0.69	0.60	0.48	0.43	0.35	0.27	0.22
	0.30		0.82	0.70	0.61	0.54	0.44	0.37	0.32	0.26	0.21
	0.20		0.71	0.61	0.54	0.49	0.41	0.35	0.30	0.24	0.20
0.30	0.50	0.20	0.93	0.77	0.66	0.57	0.46	0.38	0.33	0.26	0.21
	0.30		0.80	0.68	0.59	0.52	0.42	0.36	0.31	0.25	0.20
	0.20		0.70	0.60	0.53	0.48	0.39	0.34	0.29	0.23	0.20
0.00	0.00	0.00	0.60	0.50	0.44	0.39	0.32	0.27	0.23	0.18	0.15

Rating:3W 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 = 1.25								
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	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.18	0.20	0.20	0.21	0.22	0.22	0.23	0.23	0.23
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.14	0.15	0.17	0.18
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:3W 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	52.5	0.1	0.1	0.03	0.03
1.0-2.0	52.4	0.2	0.2	0.10	0.13
2.0-3.0	52.4	0.3	0.5	0.16	0.29
3.0-4.0	52.3	0.4	0.8	0.23	0.52
4.0-5.0	52.2	0.4	1.3	0.29	0.81
5.0-6.0	52.1	0.5	1.8	0.35	1.16
6.0-7.0	52.0	0.6	2.4	0.42	1.58
7.0-8.0	51.9	0.7	3.2	0.48	2.06
8.0-9.0	51.7	0.8	4.0	0.54	2.60
9.0-10.0	51.5	0.9	5.0	0.60	3.20
10.0-11.0	51.3	1.0	6.0	0.66	3.86
11.0-12.0	51.1	1.1	7.1	0.72	4.58
12.0-13.0	50.8	1.2	8.3	0.78	5.36
13.0-14.0	50.6	1.3	9.6	0.84	6.20
14.0-15.0	50.3	1.4	11.0	0.89	7.09
15.0-16.0	50.0	1.5	12.4	0.94	8.03
16.0-17.0	49.7	1.5	14.0	1.00	9.03
17.0-18.0	49.3	1.6	15.6	1.05	10.08
18.0-19.0	48.9	1.7	17.3	1.10	11.18
19.0-20.0	48.5	1.8	19.1	1.15	12.32
20.0-21.0	48.1	1.8	20.9	1.19	13.52
21.0-22.0	47.7	1.9	22.9	1.24	14.75
22.0-23.0	47.3	2.0	24.9	1.28	16.03
23.0-24.0	46.8	2.0	26.9	1.32	17.35
24.0-25.0	46.4	2.1	29.0	1.36	18.71
25.0-26.0	45.9	2.2	31.2	1.40	20.11
26.0-27.0	45.4	2.2	33.4	1.43	21.54
27.0-28.0	44.8	2.3	35.7	1.46	23.01
28.0-29.0	44.3	2.3	38.0	1.50	24.50
29.0-30.0	43.8	2.4	40.3	1.52	26.03
30.0-31.0	43.2	2.4	42.7	1.55	27.58
31.0-32.0	42.6	2.4	45.2	1.57	29.15
32.0-33.0	42.0	2.5	47.7	1.60	30.75
33.0-34.0	41.4	2.5	50.2	1.62	32.37
34.0-35.0	40.8	2.5	52.7	1.64	34.01
35.0-36.0	40.2	2.6	55.3	1.65	35.66

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	39.5	2.6	57.8	1.66	37.32
37.0-38.0	38.9	2.6	60.4	1.68	39.00
38.0-39.0	38.3	2.6	63.1	1.69	40.68
39.0-40.0	37.6	2.6	65.7	1.69	42.37
40.0-41.0	36.9	2.6	68.3	1.70	44.07
41.0-42.0	36.2	2.6	70.9	1.70	45.77
42.0-43.0	35.5	2.6	73.6	1.70	47.46
43.0-44.0	34.8	2.6	76.2	1.70	49.16
44.0-45.0	34.1	2.6	78.8	1.69	50.85
45.0-46.0	33.4	2.6	81.4	1.69	52.54
46.0-47.0	32.7	2.6	84.0	1.68	54.21
47.0-48.0	31.9	2.6	86.6	1.67	55.88
48.0-49.0	31.2	2.6	89.2	1.65	57.53
49.0-50.0	30.5	2.5	91.7	1.64	59.17
50.0-51.0	29.7	2.5	94.2	1.62	60.79
51.0-52.0	29.0	2.5	96.7	1.60	62.40
52.0-53.0	28.2	2.5	99.2	1.58	63.98
53.0-54.0	27.4	2.4	101.6	1.56	65.54
54.0-55.0	26.7	2.4	104.0	1.54	67.08
55.0-56.0	26.0	2.3	106.3	1.51	68.59
56.0-57.0	25.2	2.3	108.6	1.49	70.08
57.0-58.0	24.4	2.3	110.9	1.46	71.54
58.0-59.0	23.7	2.2	113.1	1.43	72.97
59.0-60.0	22.9	2.2	115.3	1.40	74.36
60.0-61.0	22.1	2.1	117.4	1.36	75.73
61.0-62.0	21.4	2.1	119.4	1.33	77.06
62.0-63.0	20.6	2.0	121.4	1.30	78.35
63.0-64.0	19.9	2.0	123.4	1.26	79.61
64.0-65.0	19.1	1.9	125.3	1.22	80.83
65.0-66.0	18.4	1.8	127.1	1.18	82.02
66.0-67.0	17.6	1.8	128.9	1.14	83.16
67.0-68.0	16.9	1.7	130.6	1.10	84.26
68.0-69.0	16.1	1.6	132.2	1.06	85.32
69.0-70.0	15.4	1.6	133.8	1.02	86.34
70.0-71.0	14.6	1.5	135.3	0.97	87.31
71.0-72.0	13.9	1.4	136.8	0.93	88.25

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	13.1	1.4	138.1	0.89	89.13
73.0-74.0	12.4	1.3	139.5	0.84	89.97
74.0-75.0	11.7	1.2	140.7	0.80	90.77
75.0-76.0	10.9	1.2	141.8	0.75	91.52
76.0-77.0	10.2	1.1	142.9	0.70	92.22
77.0-78.0	9.5	1.0	143.9	0.66	92.87
78.0-79.0	8.8	0.9	144.9	0.61	93.48
79.0-80.0	8.0	0.9	145.7	0.56	94.04
80.0-81.0	7.3	0.8	146.5	0.51	94.55
81.0-82.0	6.6	0.7	147.3	0.46	95.01
82.0-83.0	5.9	0.6	147.9	0.42	95.43
83.0-84.0	5.3	0.6	148.5	0.37	95.80
84.0-85.0	4.7	0.5	149.0	0.33	96.14
85.0-86.0	4.1	0.5	149.5	0.29	96.43
86.0-87.0	3.6	0.4	149.8	0.25	96.68
87.0-88.0	3.1	0.3	150.2	0.22	96.90
88.0-89.0	2.6	0.3	150.5	0.19	97.08
89.0-90.0	2.3	0.2	150.7	0.16	97.24
90.0-91.0	1.9	0.2	150.9	0.14	97.38
91.0-92.0	1.7	0.2	151.1	0.12	97.50
92.0-93.0	1.5	0.2	151.3	0.10	97.60
93.0-94.0	1.3	0.1	151.4	0.09	97.69
94.0-95.0	1.1	0.1	151.5	0.08	97.77
95.0-96.0	1.0	0.1	151.6	0.07	97.84
96.0-97.0	0.9	0.1	151.7	0.06	97.90
97.0-98.0	0.8	0.1	151.8	0.06	97.96
98.0-99.0	0.8	0.1	151.9	0.05	98.01
99.0-100.0	0.7	0.1	152.0	0.05	98.06
100.0-101.0	0.7	0.1	152.1	0.05	98.11
101.0-102.0	0.7	0.1	152.1	0.05	98.15
102.0-103.0	0.6	0.1	152.2	0.04	98.20
103.0-104.0	0.6	0.1	152.3	0.04	98.24
104.0-105.0	0.6	0.1	152.3	0.04	98.28
105.0-106.0	0.6	0.1	152.4	0.04	98.33
106.0-107.0	0.6	0.1	152.5	0.04	98.37
107.0-108.0	0.6	0.1	152.5	0.04	98.41

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	0.6	0.1	152.6	0.04	98.45
109.0-110.0	0.6	0.1	152.7	0.04	98.50
110.0-111.0	0.6	0.1	152.7	0.04	98.54
111.0-112.0	0.6	0.1	152.8	0.04	98.58
112.0-113.0	0.6	0.1	152.9	0.04	98.62
113.0-114.0	0.6	0.1	152.9	0.04	98.66
114.0-115.0	0.6	0.1	153.0	0.04	98.70
115.0-116.0	0.6	0.1	153.0	0.04	98.74
116.0-117.0	0.6	0.1	153.1	0.04	98.78
117.0-118.0	0.6	0.1	153.2	0.04	98.81
118.0-119.0	0.6	0.1	153.2	0.04	98.85
119.0-120.0	0.6	0.1	153.3	0.04	98.89
120.0-121.0	0.6	0.1	153.3	0.04	98.92
121.0-122.0	0.6	0.1	153.4	0.03	98.96
122.0-123.0	0.6	0.1	153.4	0.03	98.99
123.0-124.0	0.6	0.1	153.5	0.03	99.03
124.0-125.0	0.6	0.1	153.5	0.03	99.06
125.0-126.0	0.6	0.1	153.6	0.03	99.09
126.0-127.0	0.6	0.1	153.6	0.03	99.13
127.0-128.0	0.6	0.1	153.7	0.03	99.16
128.0-129.0	0.6	0.0	153.7	0.03	99.19
129.0-130.0	0.6	0.0	153.8	0.03	99.22
130.0-131.0	0.6	0.0	153.8	0.03	99.25
131.0-132.0	0.6	0.0	153.9	0.03	99.28
132.0-133.0	0.6	0.0	153.9	0.03	99.31
133.0-134.0	0.6	0.0	154.0	0.03	99.34
134.0-135.0	0.6	0.0	154.0	0.03	99.37
135.0-136.0	0.6	0.0	154.1	0.03	99.40
136.0-137.0	0.6	0.0	154.1	0.03	99.42
137.0-138.0	0.6	0.0	154.1	0.03	99.45
138.0-139.0	0.6	0.0	154.2	0.03	99.48
139.0-140.0	0.6	0.0	154.2	0.03	99.50
140.0-141.0	0.6	0.0	154.3	0.03	99.53
141.0-142.0	0.6	0.0	154.3	0.02	99.55
142.0-143.0	0.6	0.0	154.3	0.02	99.58
143.0-144.0	0.6	0.0	154.4	0.02	99.60

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: 9.028 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	0.5	0.0	154.4	0.02	99.62
145.0-146.0	0.5	0.0	154.4	0.02	99.64
146.0-147.0	0.5	0.0	154.5	0.02	99.67
147.0-148.0	0.5	0.0	154.5	0.02	99.69
148.0-149.0	0.5	0.0	154.5	0.02	99.70
149.0-150.0	0.5	0.0	154.6	0.02	99.72
150.0-151.0	0.5	0.0	154.6	0.02	99.74
151.0-152.0	0.5	0.0	154.6	0.02	99.76
152.0-153.0	0.5	0.0	154.6	0.02	99.78
153.0-154.0	0.5	0.0	154.7	0.02	99.79
154.0-155.0	0.5	0.0	154.7	0.02	99.81
155.0-156.0	0.5	0.0	154.7	0.02	99.82
156.0-157.0	0.5	0.0	154.7	0.01	99.84
157.0-158.0	0.5	0.0	154.8	0.01	99.85
158.0-159.0	0.5	0.0	154.8	0.01	99.87
159.0-160.0	0.5	0.0	154.8	0.01	99.88
160.0-161.0	0.5	0.0	154.8	0.01	99.89
161.0-162.0	0.5	0.0	154.8	0.01	99.90
162.0-163.0	0.5	0.0	154.9	0.01	99.91
163.0-164.0	0.5	0.0	154.9	0.01	99.92
164.0-165.0	0.5	0.0	154.9	0.01	99.93
165.0-166.0	0.5	0.0	154.9	0.01	99.94
166.0-167.0	0.5	0.0	154.9	0.01	99.95
167.0-168.0	0.5	0.0	154.9	0.01	99.96
168.0-169.0	0.5	0.0	154.9	0.01	99.96
169.0-170.0	0.5	0.0	154.9	0.01	99.97
170.0-171.0	0.5	0.0	155.0	0.01	99.98
171.0-172.0	0.5	0.0	155.0	0.00	99.98
172.0-173.0	0.5	0.0	155.0	0.00	99.99
173.0-174.0	0.5	0.0	155.0	0.00	99.99
174.0-175.0	0.5	0.0	155.0	0.00	99.99
175.0-176.0	0.5	0.0	155.0	0.00	100.00
176.0-177.0	0.5	0.0	155.0	0.00	100.00
177.0-178.0	0.5	0.0	155.0	0.00	100.00
178.0-179.0	0.5	0.0	155.0	0.00	100.00
179.0-180.0	0.5	0.0	155.0	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: 9.028 m
Humidity: 60%
Inspector: