GENLED Brands
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Report No.: **Test Time: 2022/11/24 14:24**

Luminaire Property

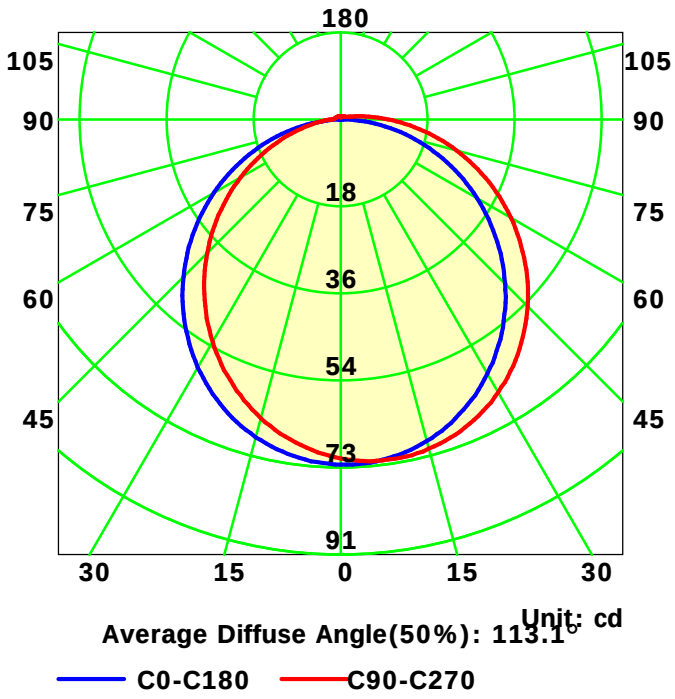
Luminaire Manufacturer: Acolyte
Luminaire Category: Neon Silhouette Plus
Luminaire Description: Neon Silhouette Plus Addr RGBW-All on
Lamp Catalog: NLSP5.3ADDRGB40-All on **Number of Lamps: 1**
Luminous Length (mm): 1000 **Luminous Width (mm): 12**
Luminous Height (mm): 20 **Voltage: 24.0 V**
Current: 0.686 A **Power: 16.46 W**
Power Factor: 1.000

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 219.5 lm**
Measurement Flux: 219.5 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H164.1,H112.2
Vertical Diffuse Angle(10%,50%): V172.8,V113.9
Luminaire Efficacy Rating (LER): 13 **Central Intensity: 72.47 cd**
Max. Intensity: 72.56 cd **Pos of Max. Intensity: H0 V2**

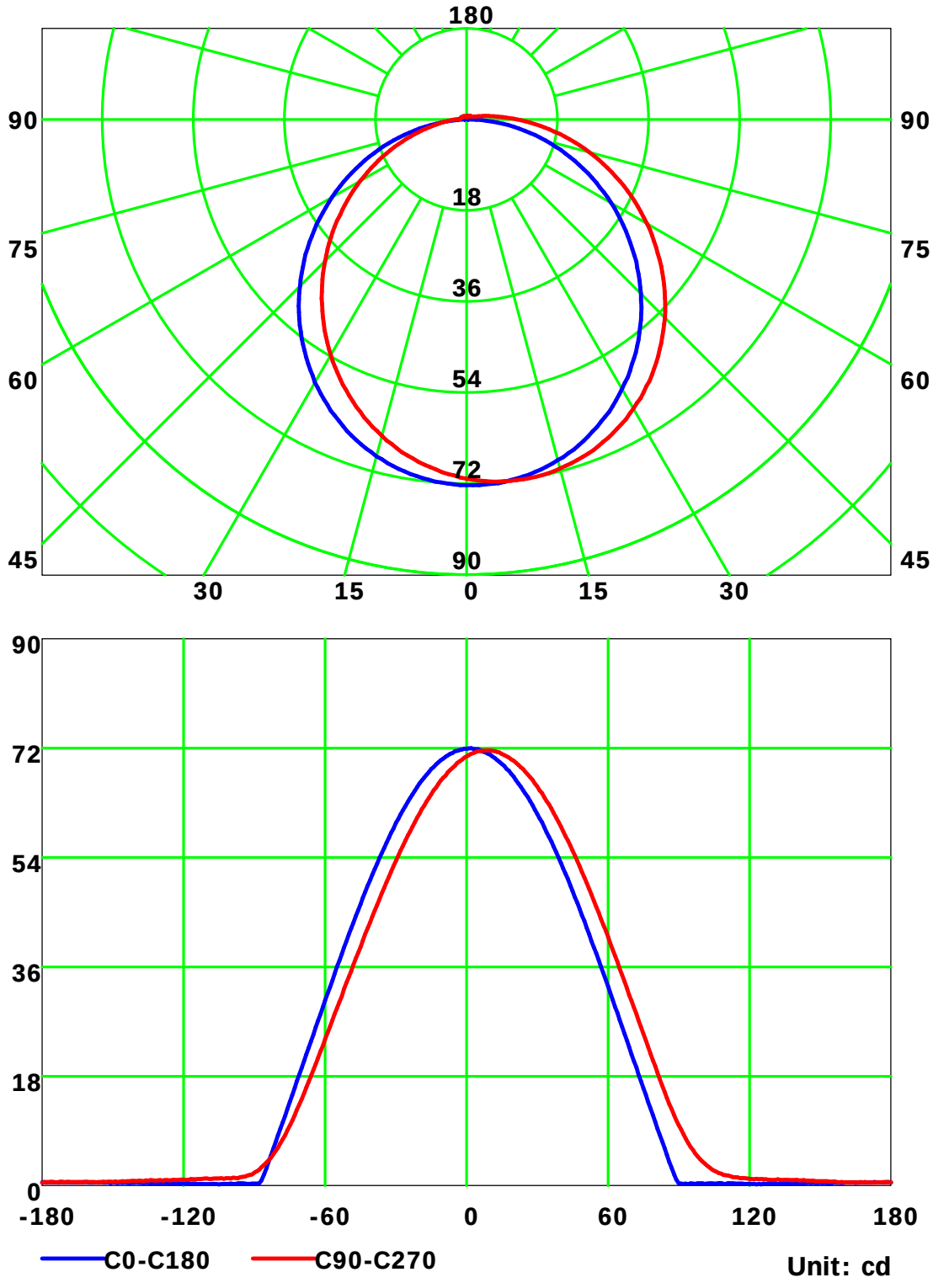
Picture Of Luminaire

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:**

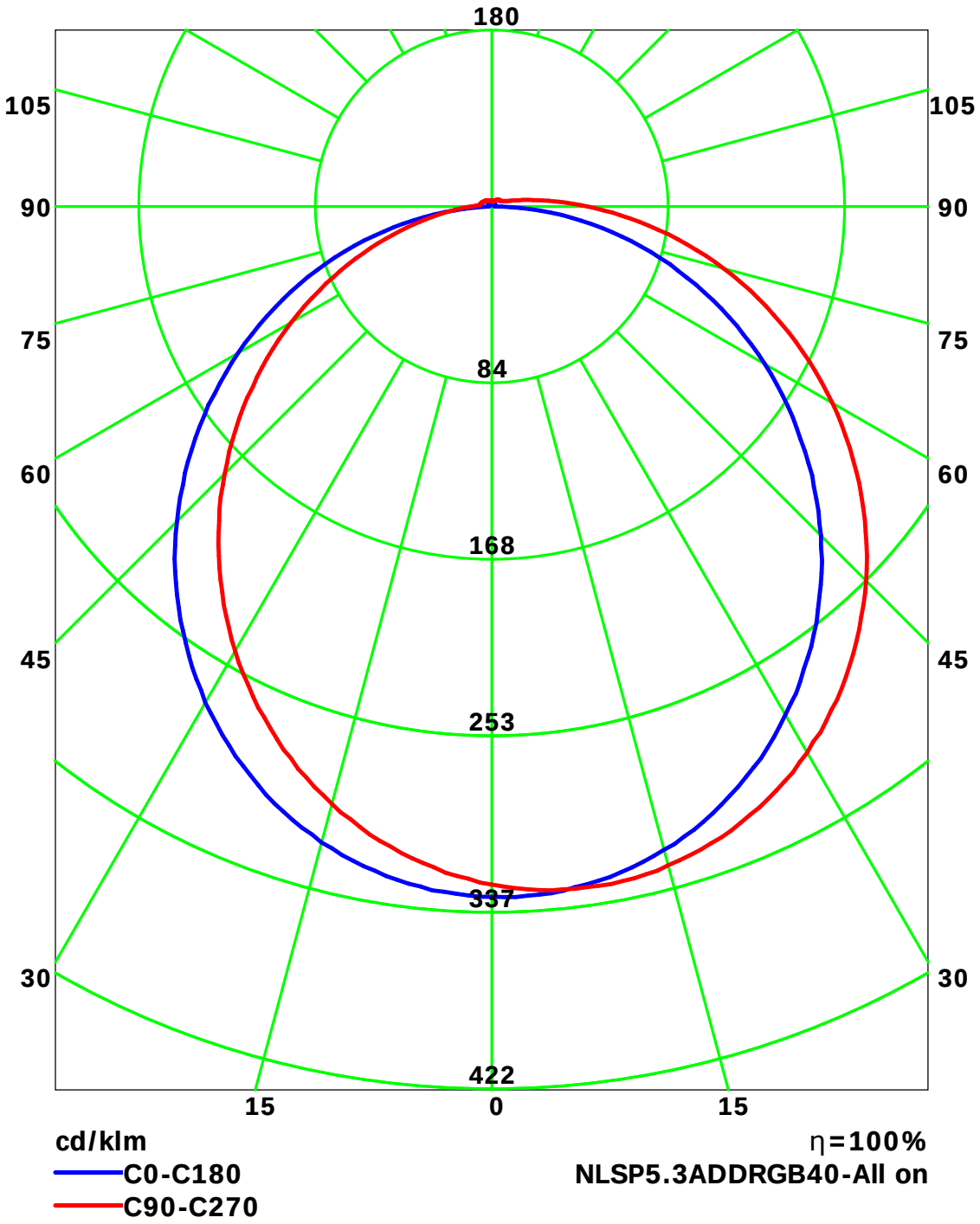
Luminous Intensity Distribution Curve



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

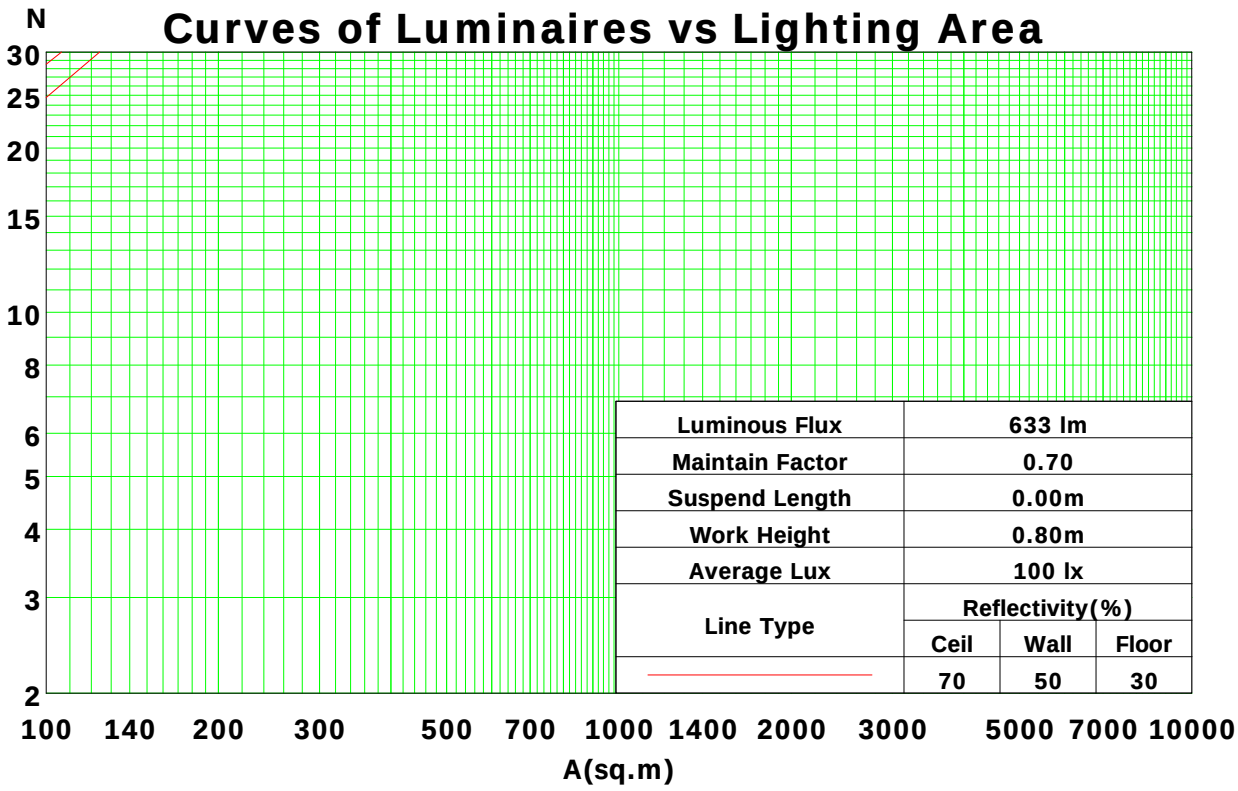
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	109	109	104	104	104	99	99	99	97
1	107	102	97	93	104	99	95	91	95	91	88	90	87	85	86	84	82	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65
3	88	77	69	62	85	76	68	61	72	65	60	69	63	58	66	61	57	55
4	81	68	59	52	78	67	58	52	64	57	51	61	55	50	59	53	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	42	40
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	50	41	35	62	49	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	37	31	57	44	36	31	43	35	30	41	35	30	40	34	29	27
9	55	42	33	28	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.25
Spacing Criteria (Diagonal): 1.36

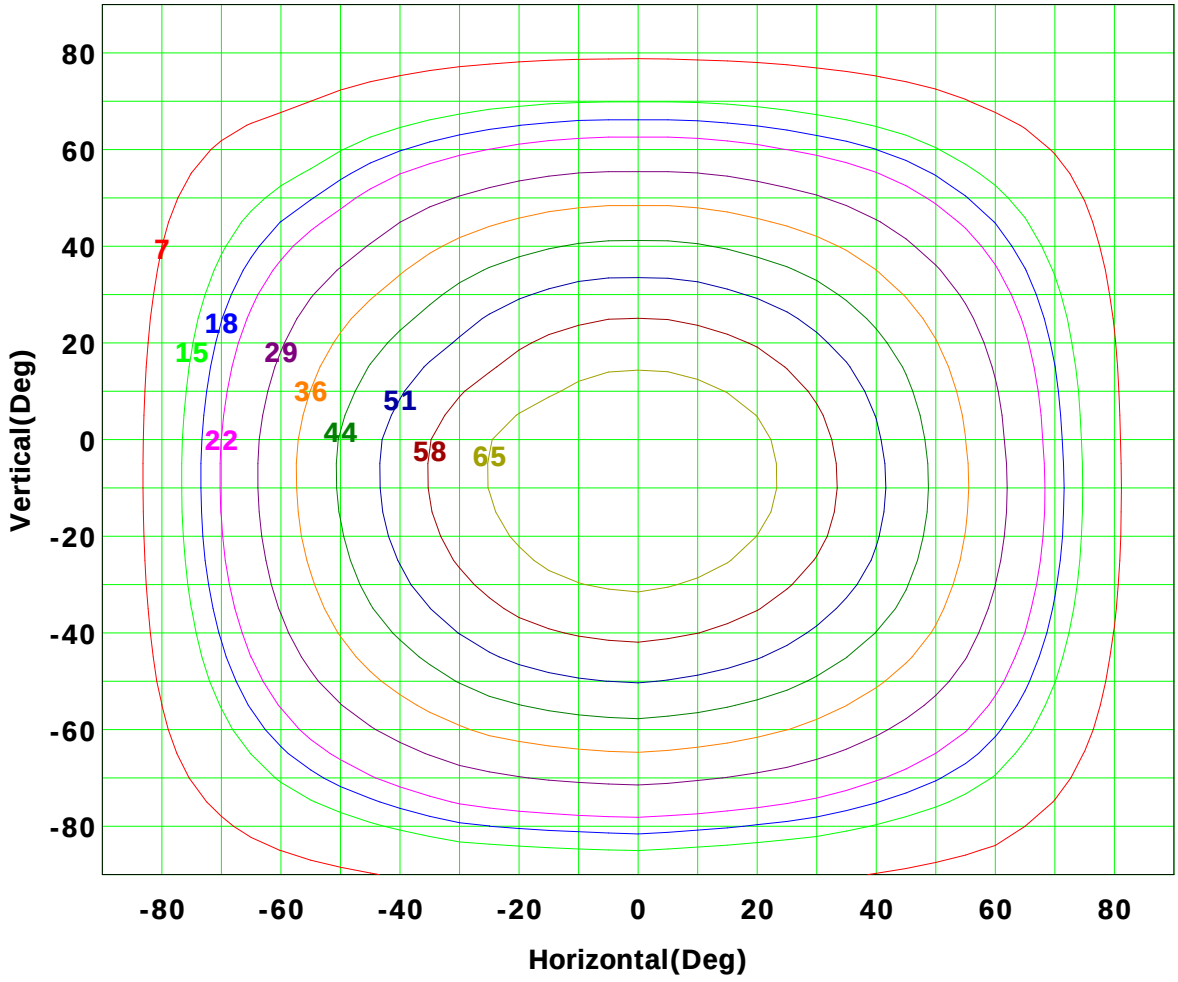
Curves of Luminaires vs Lighting Area



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)



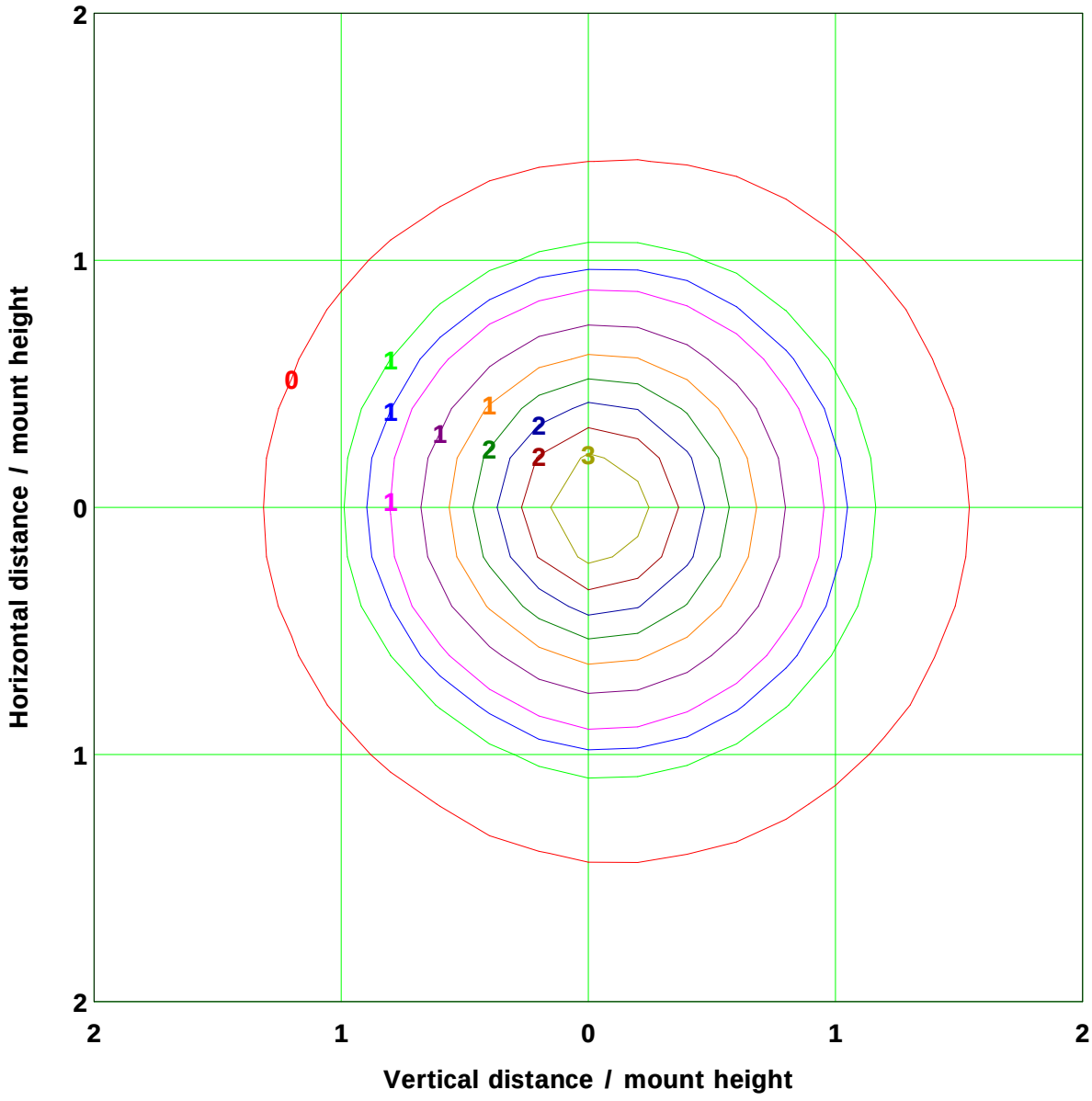
Imax (100%): 73 cd

(10%):	7 cd	(20%):	15 cd
(25%):	18 cd	(30%):	22 cd
(40%):	29 cd	(50%):	36 cd
(60%):	44 cd	(70%):	51 cd
(80%):	58 cd	(90%):	65 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%): 2.9 lx

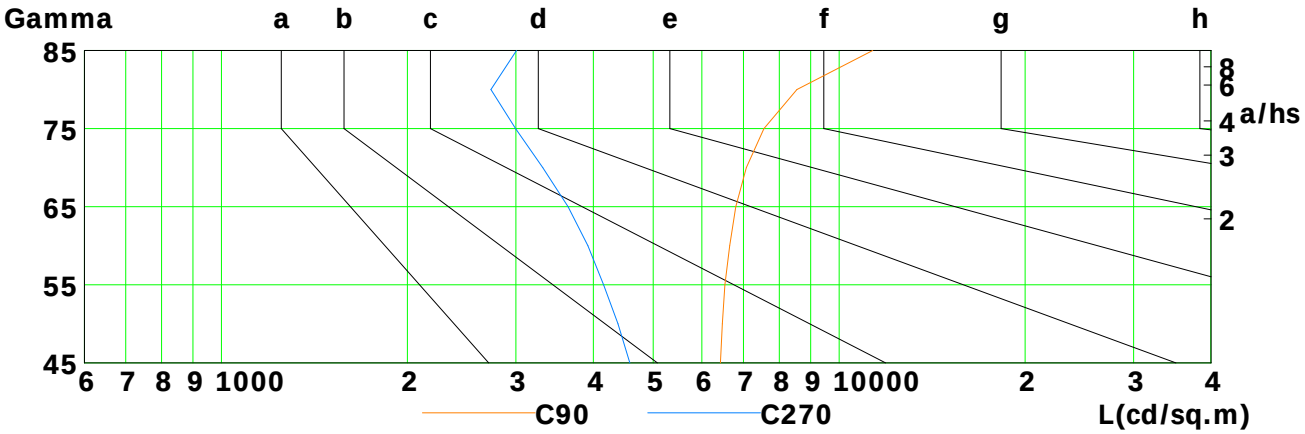
(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.7 lx	(30%): 0.9 lx
(40%): 1.2 lx	(50%): 1.4 lx
(60%): 1.7 lx	(70%): 2.0 lx
(80%): 2.3 lx	(90%): 2.6 lx

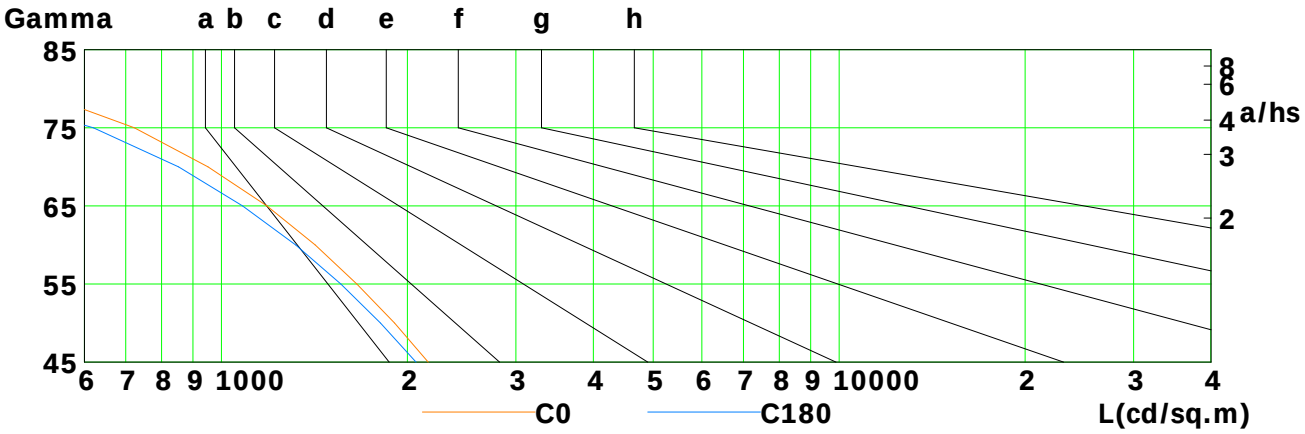
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



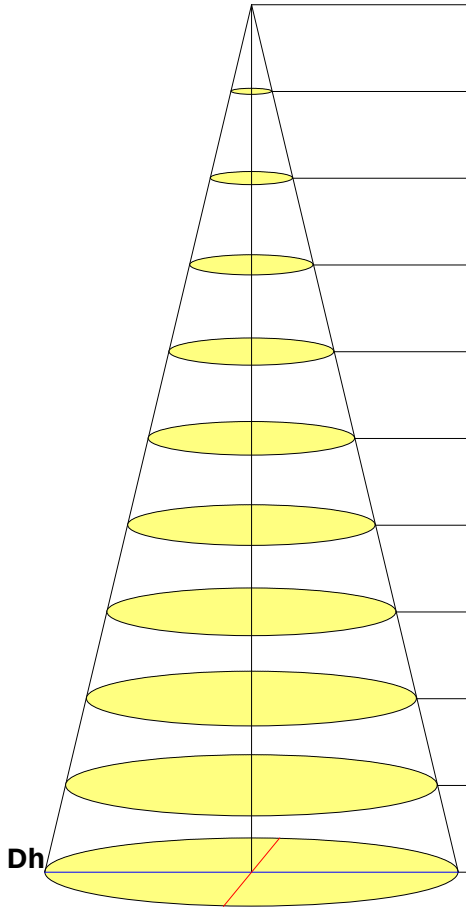


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2162	1907	1658	1419	1185	951	723	488	246
C90	6425	6472	6537	6653	6807	7079	7556	8551	11347
C180	2065	1810	1562	1320	1082	853	621	385	138
C270	4583	4388	4160	3921	3643	3314	2993	2733	3004

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



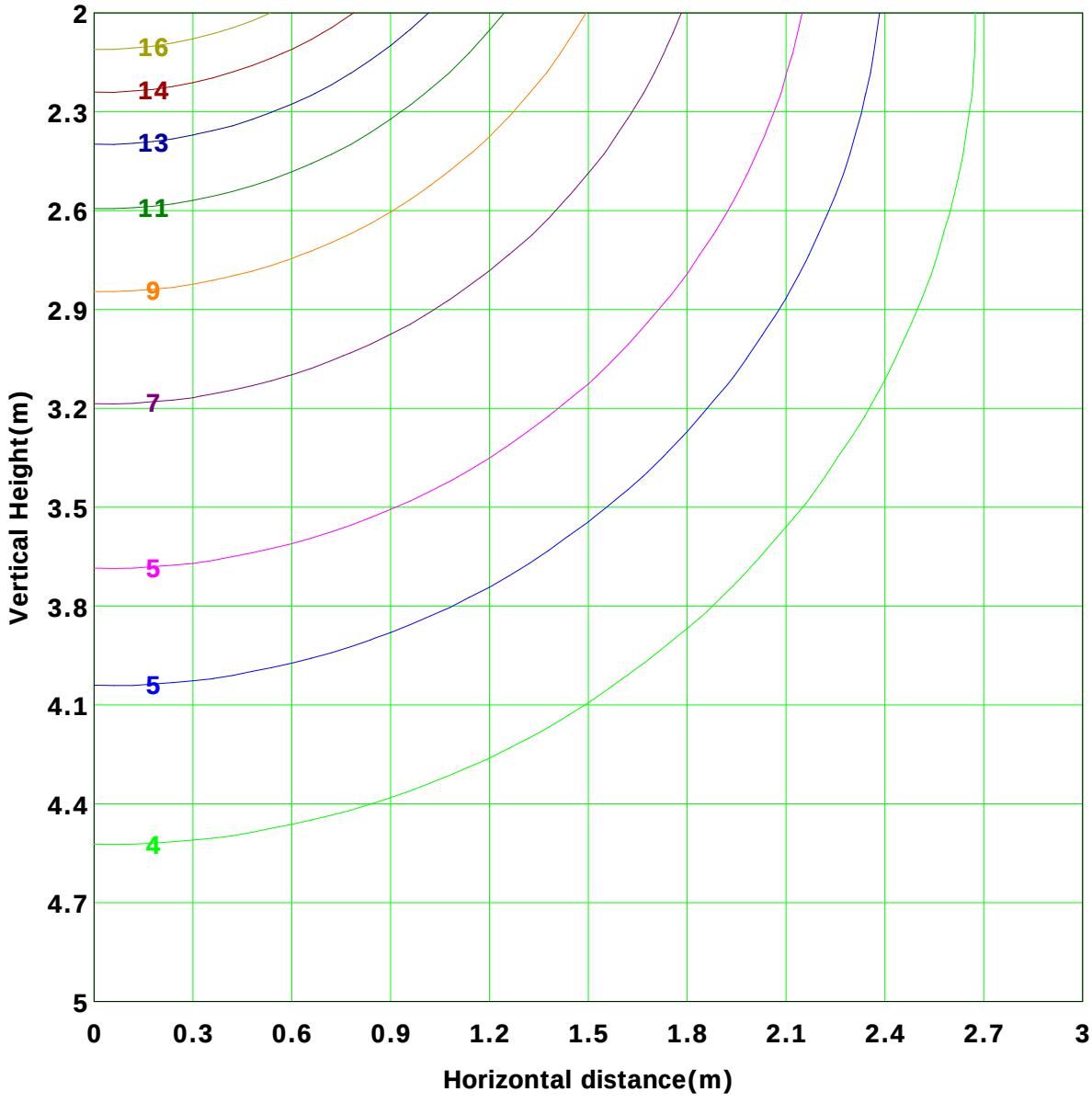
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	72.47	2.98/3.08	8.1	10.37
2.0	18.12	5.95/6.15	32.4	2.59
3.0	8.05	8.93/9.23	72.9	1.15
4.0	4.53	11.90/12.30	129.6	0.65
5.0	2.90	14.88/15.38	202.6	0.41
6.0	2.01	17.85/18.46	291.7	0.29
7.0	1.48	20.83/21.53	397.0	0.21
8.0	1.13	23.80/24.61	518.5	0.16
9.0	0.89	26.78/27.69	656.3	0.13
10.0	0.72	29.75/30.76	810.2	0.10

Beam Angle(B): H112.2 V113.9 Field Angle(F): H164.1 V172.8

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: 18.1 lx

(10%): 1.8 lx	(20%): 3.6 lx
(25%): 4.5 lx	(30%): 5.4 lx
(40%): 7.2 lx	(50%): 9.1 lx
(60%): 10.9 lx	(70%): 12.7 lx
(80%): 14.5 lx	(90%): 16.3 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

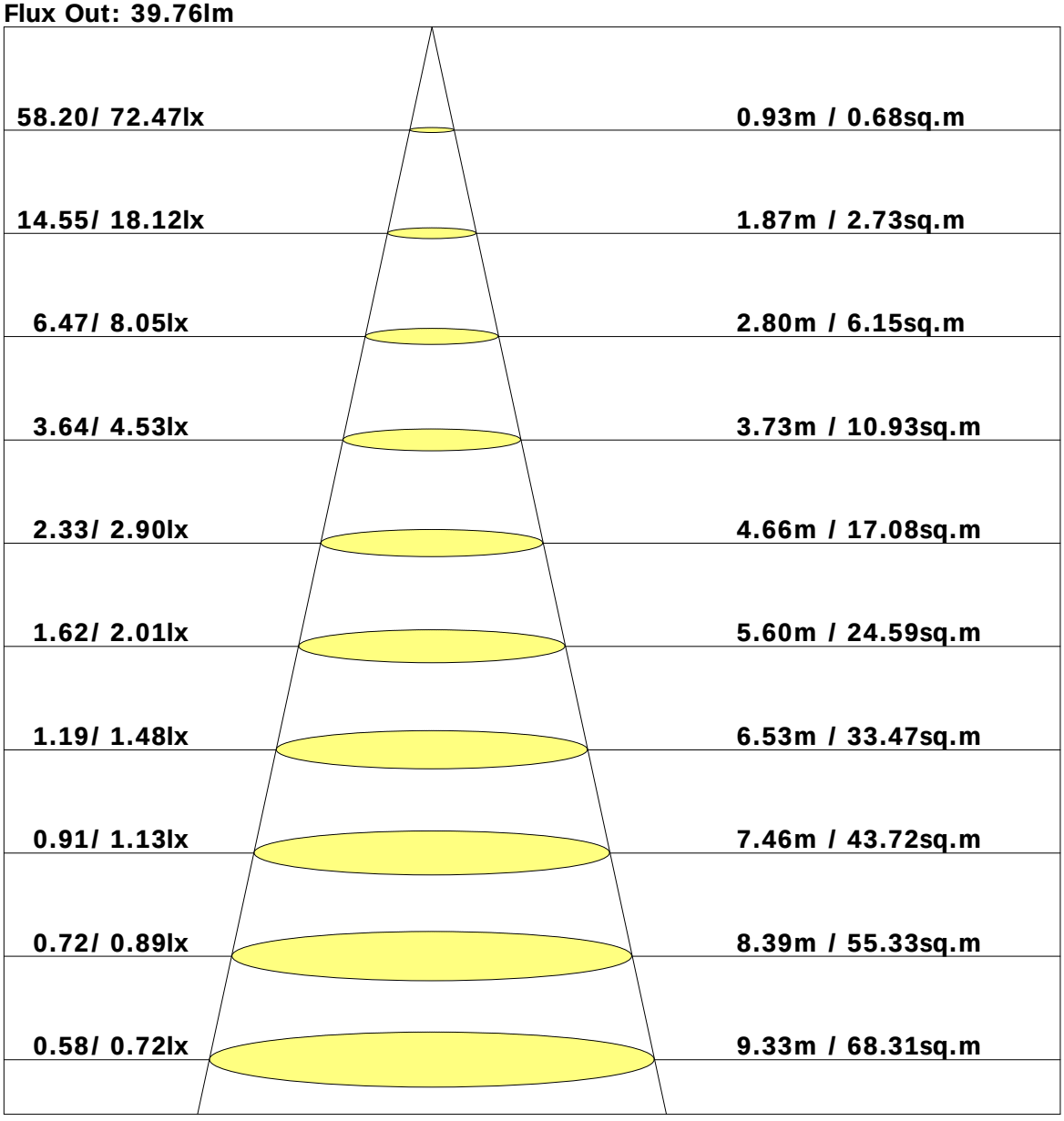
Vertical plane \ Horizontal plane	-90 – -80	-80 – -70	-70 – -60	-60 – -50	-50 – -40	-40 – -30	-30 – -20	-20 – -10	-10 – 0	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90	Flux(T)	Flux(E)
-90 – -80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.0	0.0
-80 – -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	0.1	0.1	0.1	0.0	0.0	2.7	1.9
-70 – -60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.2	5.0
-60 – -50	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.1	0.0	7.9	7.8
-50 – -40	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	10.6	10.6
-40 – -30	0.0	0.1	0.2	0.5	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	13.2	13.1
-30 – -20	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	15.4	15.4
-20 – -10	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.8	2.0	2.0	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	17.3	17.2
-10 – 0	0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.1	2.1	2.0	1.7	1.4	1.0	0.7	0.3	0.1	0.0	18.6	18.6
0 – 10	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.0	2.2	2.2	2.1	1.8	1.5	1.1	0.7	0.4	0.1	0.0	19.3	19.2
10 – 20	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.0	2.2	2.2	2.0	1.8	1.4	1.0	0.7	0.4	0.1	0.0	19.1	19.1
20 – 30	0.0	0.1	0.3	0.6	1.0	1.3	1.7	1.9	2.1	2.1	1.9	1.7	1.4	1.0	0.6	0.3	0.1	0.0	18.3	18.2
30 – 40	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	16.8	16.8
40 – 50	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.5	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	14.8	14.8
50 – 60	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	12.4	12.3
60 – 70	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	0.4	0.2	0.1	0.0	9.6	9.6
70 – 80	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.1	0.0	6.8	6.7
80 – 90	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.9	3.6
Flux(T)	0.1	1.3	3.8	7.3	11.4	15.7	19.5	22.4	24.0	24.1	22.6	19.8	15.9	11.6	7.5	4.0	1.5	0.2	213	
Flux(E)	0.0	1.1	3.6	7.1	11.3	15.5	19.4	22.2	23.8	23.9	22.4	19.6	15.8	11.5	7.4	3.9	1.4	0.1		210

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: 39.76lm



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	20.9	22.5	21.4	22.9	23.3	20.1	21.7	20.6	22.1	22.5
3H	22.9	24.4	23.3	24.8	25.2	21.9	23.3	22.3	23.7	24.1
4H	23.7	25.1	24.2	25.5	25.9	22.6	23.9	23.0	24.3	24.8
6H	24.4	25.6	24.8	26.1	26.5	23.1	24.4	23.6	24.8	25.3
8H	24.6	25.8	25.1	26.3	26.7	23.3	24.6	23.8	25.0	25.5
12H	24.8	25.9	25.3	26.4	26.9	23.5	24.7	24.0	25.1	25.6
X=4H Y=2H	21.2	22.6	21.7	23.0	23.5	20.8	22.2	21.2	22.6	23.0
3H	23.4	24.5	23.8	25.0	25.5	22.8	23.9	23.2	24.4	24.8
4H	24.3	25.3	24.7	25.8	26.3	23.6	24.6	24.1	25.1	25.6
6H	25.0	25.9	25.5	26.4	27.0	24.3	25.2	24.8	25.7	26.2
8H	25.3	26.2	25.8	26.7	27.2	24.5	25.4	25.1	25.9	26.4
12H	25.5	26.3	26.0	26.8	27.4	24.8	25.6	25.3	26.1	26.6
X=8H Y=4H	24.4	25.3	24.9	25.8	26.3	23.9	24.8	24.4	25.3	25.8
6H	25.2	25.9	25.8	26.5	27.0	24.7	25.5	25.3	26.0	26.6
8H	25.5	26.2	26.1	26.8	27.3	25.1	25.8	25.7	26.3	26.9
12H	25.8	26.4	26.4	27.0	27.6	25.5	26.1	26.0	26.6	27.2
X=12H Y=4H	24.4	25.2	24.9	25.7	26.3	24.0	24.8	24.5	25.3	25.8
6H	25.2	25.9	25.8	26.4	27.0	24.9	25.5	25.4	26.0	26.6
8H	25.6	26.2	26.2	26.7	27.4	25.3	25.9	25.8	26.4	27.0

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	0.54	0.64	0.72	0.77	0.84	0.89	0.93	0.98	1.01
	0.30		0.46	0.57	0.64	0.70	0.78	0.83	0.88	0.93	0.97
	0.20		0.40	0.51	0.58	0.64	0.72	0.78	0.83	0.89	0.93
0.50	0.50	0.20	0.52	0.62	0.69	0.74	0.81	0.85	0.89	0.93	0.96
	0.30		0.45	0.55	0.62	0.68	0.75	0.80	0.84	0.90	0.93
	0.20		0.40	0.50	0.57	0.62	0.70	0.76	0.80	0.86	0.90
0.30	0.50	0.20	0.51	0.60	0.66	0.71	0.77	0.82	0.85	0.89	0.92
	0.30		0.44	0.54	0.60	0.66	0.73	0.78	0.81	0.86	0.89
	0.20		0.39	0.49	0.56	0.61	0.69	0.74	0.78	0.83	0.87
0.00	0.00	0.00	0.37	0.46	0.53	0.58	0.65	0.70	0.73	0.78	0.81

Rating:16W 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	1.02	0.85	0.73	0.64	0.51	0.43	0.37	0.29	0.24
	0.30		0.85	0.72	0.63	0.56	0.46	0.39	0.34	0.27	0.23
	0.20		0.73	0.63	0.56	0.51	0.42	0.36	0.32	0.26	0.22
0.50	0.50	0.20	0.98	0.81	0.69	0.61	0.49	0.44	0.35	0.28	0.23
	0.30		0.83	0.70	0.61	0.54	0.45	0.38	0.33	0.26	0.22
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.25	0.21
0.30	0.50	0.20	0.94	0.77	0.66	0.58	0.47	0.39	0.33	0.26	0.22
	0.30		0.80	0.68	0.59	0.53	0.43	0.36	0.32	0.25	0.21
	0.20		0.70	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20
0.00	0.00	0.00	0.60	0.51	0.44	0.39	0.32	0.27	0.24	0.19	0.16

Rating:16W 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	0.21	0.22	0.22	0.23	0.24	0.24	0.25	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	0.12	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	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:16W 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	71.5	0.1	0.1	0.03	0.03
1.0-2.0	71.5	0.2	0.3	0.09	0.12
2.0-3.0	71.5	0.3	0.6	0.16	0.28
3.0-4.0	71.4	0.5	1.1	0.22	0.50
4.0-5.0	71.3	0.6	1.7	0.28	0.78
5.0-6.0	71.1	0.7	2.5	0.34	1.12
6.0-7.0	71.0	0.9	3.3	0.40	1.52
7.0-8.0	70.8	1.0	4.3	0.46	1.98
8.0-9.0	70.6	1.1	5.5	0.52	2.50
9.0-10.0	70.4	1.3	6.8	0.58	3.08
10.0-11.0	70.1	1.4	8.2	0.64	3.72
11.0-12.0	69.8	1.5	9.7	0.70	4.42
12.0-13.0	69.5	1.6	11.3	0.75	5.17
13.0-14.0	69.2	1.8	13.1	0.81	5.97
14.0-15.0	68.8	1.9	15.0	0.86	6.84
15.0-16.0	68.4	2.0	17.0	0.91	7.75
16.0-17.0	68.0	2.1	19.1	0.96	8.71
17.0-18.0	67.6	2.2	21.4	1.02	9.73
18.0-19.0	67.1	2.3	23.7	1.06	10.79
19.0-20.0	66.6	2.4	26.1	1.11	11.90
20.0-21.0	66.1	2.5	28.7	1.16	13.06
21.0-22.0	65.6	2.6	31.3	1.20	14.26
22.0-23.0	65.0	2.7	34.0	1.24	15.51
23.0-24.0	64.5	2.8	36.9	1.28	16.79
24.0-25.0	63.9	2.9	39.8	1.32	18.11
25.0-26.0	63.3	3.0	42.7	1.36	19.47
26.0-27.0	62.6	3.1	45.8	1.40	20.87
27.0-28.0	62.0	3.1	48.9	1.43	22.30
28.0-29.0	61.3	3.2	52.2	1.46	23.76
29.0-30.0	60.6	3.3	55.4	1.49	25.25
30.0-31.0	59.9	3.3	58.8	1.52	26.77
31.0-32.0	59.1	3.4	62.1	1.54	28.31
32.0-33.0	58.4	3.4	65.6	1.57	29.88
33.0-34.0	57.6	3.5	69.1	1.59	31.46
34.0-35.0	56.8	3.5	72.6	1.61	33.07
35.0-36.0	56.0	3.6	76.2	1.62	34.70

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	55.2	3.6	79.8	1.64	36.33
37.0-38.0	54.3	3.6	83.4	1.65	37.99
38.0-39.0	53.5	3.6	87.0	1.66	39.65
39.0-40.0	52.6	3.7	90.7	1.67	41.32
40.0-41.0	51.7	3.7	94.4	1.68	43.00
41.0-42.0	50.8	3.7	98.1	1.68	44.68
42.0-43.0	49.9	3.7	101.8	1.68	46.36
43.0-44.0	49.0	3.7	105.5	1.68	48.05
44.0-45.0	48.0	3.7	109.2	1.68	49.73
45.0-46.0	47.1	3.7	112.8	1.68	51.40
46.0-47.0	46.1	3.7	116.5	1.67	53.08
47.0-48.0	45.1	3.6	120.2	1.66	54.74
48.0-49.0	44.1	3.6	123.8	1.65	56.39
49.0-50.0	43.1	3.6	127.4	1.64	58.03
50.0-51.0	42.1	3.6	130.9	1.62	59.65
51.0-52.0	41.1	3.5	134.5	1.61	61.26
52.0-53.0	40.1	3.5	138.0	1.59	62.85
53.0-54.0	39.0	3.4	141.4	1.57	64.42
54.0-55.0	38.0	3.4	144.8	1.55	65.96
55.0-56.0	37.0	3.3	148.1	1.52	67.49
56.0-57.0	36.0	3.3	151.4	1.50	68.98
57.0-58.0	34.9	3.2	154.7	1.47	70.45
58.0-59.0	33.9	3.2	157.8	1.44	71.90
59.0-60.0	32.8	3.1	160.9	1.41	73.31
60.0-61.0	31.7	3.0	163.9	1.38	74.69
61.0-62.0	30.7	3.0	166.9	1.35	76.04
62.0-63.0	29.6	2.9	169.8	1.31	77.35
63.0-64.0	28.5	2.8	172.6	1.28	78.62
64.0-65.0	27.5	2.7	175.3	1.24	79.86
65.0-66.0	26.4	2.6	177.9	1.20	81.06
66.0-67.0	25.3	2.5	180.5	1.16	82.22
67.0-68.0	24.3	2.5	182.9	1.12	83.34
68.0-69.0	23.2	2.4	185.3	1.08	84.42
69.0-70.0	22.1	2.3	187.6	1.03	85.45
70.0-71.0	21.1	2.2	189.8	0.99	86.44
71.0-72.0	20.0	2.1	191.8	0.95	87.39

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	19.0	2.0	193.8	0.90	88.30
73.0-74.0	17.9	1.9	195.7	0.86	89.16
74.0-75.0	16.9	1.8	197.5	0.81	89.97
75.0-76.0	15.9	1.7	199.2	0.77	90.74
76.0-77.0	14.9	1.6	200.8	0.72	91.46
77.0-78.0	13.9	1.5	202.2	0.68	92.13
78.0-79.0	12.9	1.4	203.6	0.63	92.76
79.0-80.0	11.9	1.3	204.9	0.58	93.35
80.0-81.0	10.9	1.2	206.1	0.54	93.89
81.0-82.0	10.0	1.1	207.2	0.50	94.38
82.0-83.0	9.1	1.0	208.2	0.45	94.83
83.0-84.0	8.3	0.9	209.1	0.41	95.24
84.0-85.0	7.4	0.8	209.9	0.37	95.61
85.0-86.0	6.6	0.7	210.6	0.33	95.94
86.0-87.0	5.9	0.6	211.2	0.29	96.23
87.0-88.0	5.2	0.6	211.8	0.26	96.49
88.0-89.0	4.6	0.5	212.3	0.23	96.72
89.0-90.0	4.1	0.4	212.8	0.20	96.93
90.0-91.0	3.6	0.4	213.2	0.18	97.11
91.0-92.0	3.3	0.4	213.5	0.16	97.27
92.0-93.0	3.0	0.3	213.8	0.15	97.42
93.0-94.0	2.7	0.3	214.1	0.13	97.55
94.0-95.0	2.4	0.3	214.4	0.12	97.67
95.0-96.0	2.2	0.2	214.6	0.11	97.78
96.0-97.0	2.0	0.2	214.9	0.10	97.88
97.0-98.0	1.8	0.2	215.1	0.09	97.97
98.0-99.0	1.7	0.2	215.2	0.08	98.06
99.0-100.0	1.6	0.2	215.4	0.08	98.13
100.0-101.0	1.5	0.2	215.6	0.07	98.21
101.0-102.0	1.4	0.1	215.7	0.07	98.27
102.0-103.0	1.3	0.1	215.9	0.06	98.33
103.0-104.0	1.2	0.1	216.0	0.06	98.39
104.0-105.0	1.1	0.1	216.1	0.06	98.45
105.0-106.0	1.1	0.1	216.2	0.05	98.50
106.0-107.0	1.0	0.1	216.3	0.05	98.55
107.0-108.0	1.0	0.1	216.4	0.05	98.60

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.0	0.1	216.5	0.05	98.64
109.0-110.0	0.9	0.1	216.6	0.04	98.69
110.0-111.0	0.9	0.1	216.7	0.04	98.73
111.0-112.0	0.9	0.1	216.8	0.04	98.77
112.0-113.0	0.9	0.1	216.9	0.04	98.81
113.0-114.0	0.8	0.1	217.0	0.04	98.85
114.0-115.0	0.8	0.1	217.1	0.04	98.88
115.0-116.0	0.8	0.1	217.1	0.04	98.92
116.0-117.0	0.8	0.1	217.2	0.04	98.95
117.0-118.0	0.8	0.1	217.3	0.03	98.99
118.0-119.0	0.8	0.1	217.4	0.03	99.02
119.0-120.0	0.8	0.1	217.4	0.03	99.05
120.0-121.0	0.8	0.1	217.5	0.03	99.09
121.0-122.0	0.7	0.1	217.6	0.03	99.12
122.0-123.0	0.7	0.1	217.6	0.03	99.15
123.0-124.0	0.7	0.1	217.7	0.03	99.18
124.0-125.0	0.7	0.1	217.8	0.03	99.21
125.0-126.0	0.7	0.1	217.8	0.03	99.24
126.0-127.0	0.7	0.1	217.9	0.03	99.27
127.0-128.0	0.7	0.1	218.0	0.03	99.29
128.0-129.0	0.7	0.1	218.0	0.03	99.32
129.0-130.0	0.7	0.1	218.1	0.03	99.35
130.0-131.0	0.7	0.1	218.1	0.03	99.38
131.0-132.0	0.7	0.1	218.2	0.03	99.40
132.0-133.0	0.7	0.1	218.2	0.03	99.43
133.0-134.0	0.7	0.1	218.3	0.02	99.45
134.0-135.0	0.7	0.1	218.4	0.02	99.48
135.0-136.0	0.7	0.1	218.4	0.02	99.50
136.0-137.0	0.7	0.1	218.5	0.02	99.52
137.0-138.0	0.7	0.0	218.5	0.02	99.55
138.0-139.0	0.7	0.0	218.6	0.02	99.57
139.0-140.0	0.7	0.0	218.6	0.02	99.59
140.0-141.0	0.7	0.0	218.7	0.02	99.61
141.0-142.0	0.7	0.0	218.7	0.02	99.63
142.0-143.0	0.6	0.0	218.7	0.02	99.65
143.0-144.0	0.6	0.0	218.8	0.02	99.67

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	0.6	0.0	218.8	0.02	99.69
145.0-146.0	0.6	0.0	218.9	0.02	99.71
146.0-147.0	0.6	0.0	218.9	0.02	99.72
147.0-148.0	0.6	0.0	218.9	0.02	99.74
148.0-149.0	0.6	0.0	219.0	0.02	99.76
149.0-150.0	0.6	0.0	219.0	0.02	99.77
150.0-151.0	0.6	0.0	219.0	0.02	99.79
151.0-152.0	0.6	0.0	219.1	0.01	99.80
152.0-153.0	0.6	0.0	219.1	0.01	99.82
153.0-154.0	0.6	0.0	219.1	0.01	99.83
154.0-155.0	0.6	0.0	219.2	0.01	99.84
155.0-156.0	0.6	0.0	219.2	0.01	99.85
156.0-157.0	0.6	0.0	219.2	0.01	99.87
157.0-158.0	0.6	0.0	219.2	0.01	99.88
158.0-159.0	0.6	0.0	219.3	0.01	99.89
159.0-160.0	0.6	0.0	219.3	0.01	99.90
160.0-161.0	0.6	0.0	219.3	0.01	99.91
161.0-162.0	0.6	0.0	219.3	0.01	99.92
162.0-163.0	0.6	0.0	219.3	0.01	99.93
163.0-164.0	0.6	0.0	219.4	0.01	99.93
164.0-165.0	0.6	0.0	219.4	0.01	99.94
165.0-166.0	0.6	0.0	219.4	0.01	99.95
166.0-167.0	0.6	0.0	219.4	0.01	99.96
167.0-168.0	0.6	0.0	219.4	0.01	99.96
168.0-169.0	0.6	0.0	219.4	0.01	99.97
169.0-170.0	0.6	0.0	219.5	0.01	99.97
170.0-171.0	0.6	0.0	219.5	0.00	99.98
171.0-172.0	0.6	0.0	219.5	0.00	99.98
172.0-173.0	0.6	0.0	219.5	0.00	99.99
173.0-174.0	0.6	0.0	219.5	0.00	99.99
174.0-175.0	0.6	0.0	219.5	0.00	99.99
175.0-176.0	0.6	0.0	219.5	0.00	100.00
176.0-177.0	0.6	0.0	219.5	0.00	100.00
177.0-178.0	0.6	0.0	219.5	0.00	100.00
178.0-179.0	0.6	0.0	219.5	0.00	100.00
179.0-180.0	0.6	0.0	219.5	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: