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Report No.: **Test Time: 2022/5/19 15:44**

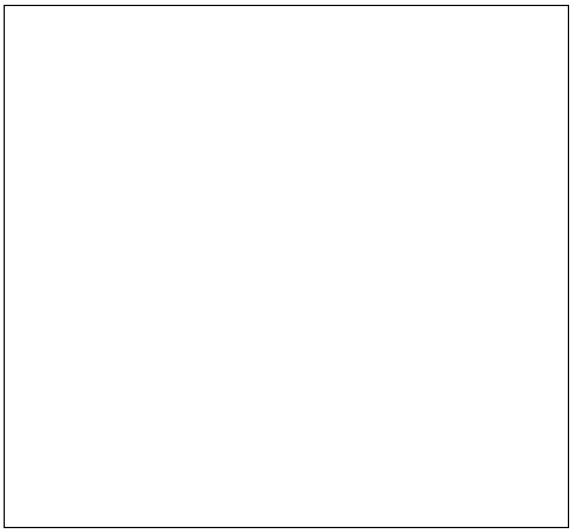
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: RIBBONLYTE **Luminaire Description: 120LED S2 RGBA**
Lamp Catalog: 5050 RGBA 4IN1 120LED/M **Lamp Description: RED**
Number of Lamps: 1 **Luminous Length (mm): 500**
Luminous Width (mm): 12 **Luminous Height (mm): 5**
Voltage: 24.0 V **Current: 0.145 A**
Power: 3.47 W **Power Factor: 1.000**

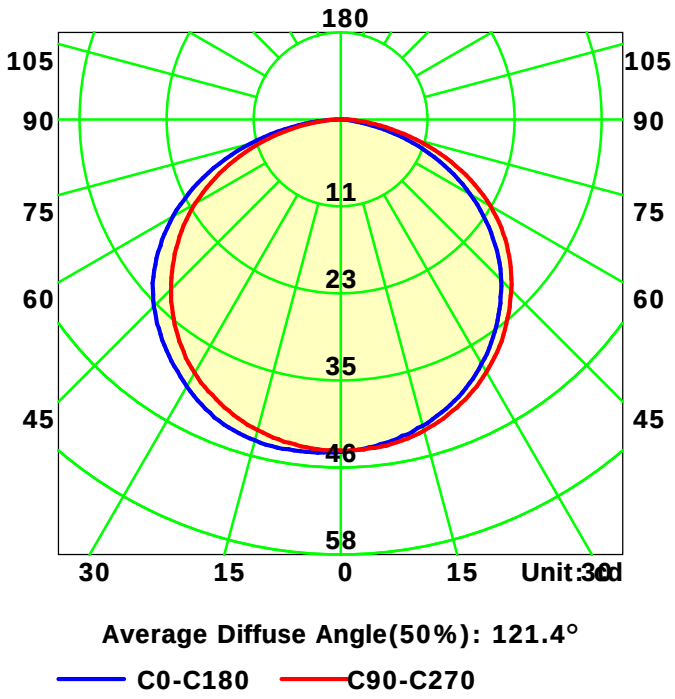
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 140.7 lm**
Measurement Flux: 140.7 lm **Efficiency: 100%**
Downward Ratio: 100% **Upward Ratio: 0%**
Horizontal Diffuse Angle(10%,50%): H162.3,H121.4
Vertical Diffuse Angle(10%,50%): V164.1,V121.7
Luminaire Efficacy Rating (LER): 40.61 **Central Intensity: 44.85 cd**
Max. Intensity: 45.16 cd **Pos of Max. Intensity: H180 V10**
S/MH(C0/C180): 1.32 **S/MH(C90/C270): 1.31**

Picture Of Luminaire



Luminous Intensity Distribution Curve

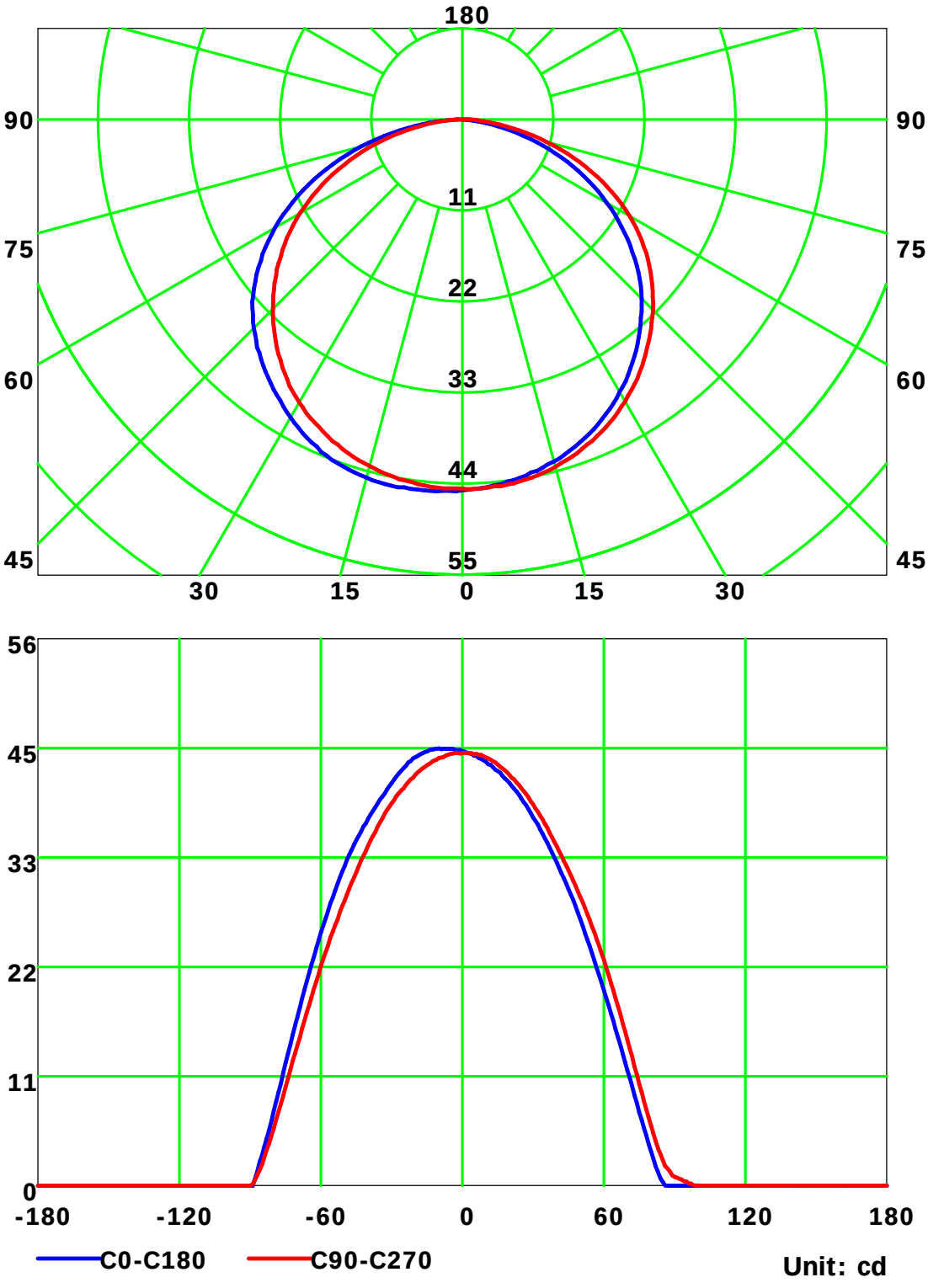


Average Diffuse Angle(50%): 121.4°

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: 9.390 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

Luminous Intensity Distribution Curve



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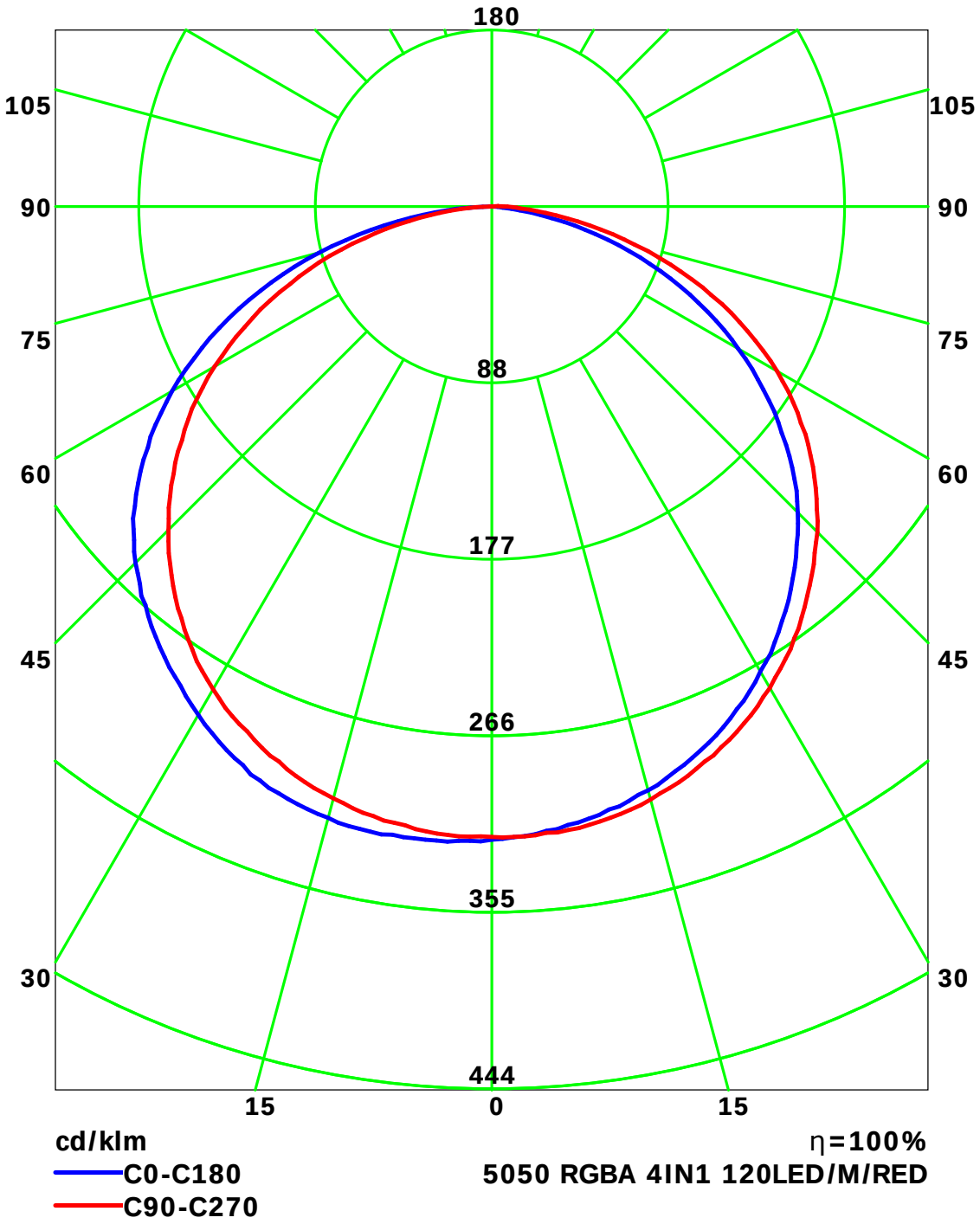
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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

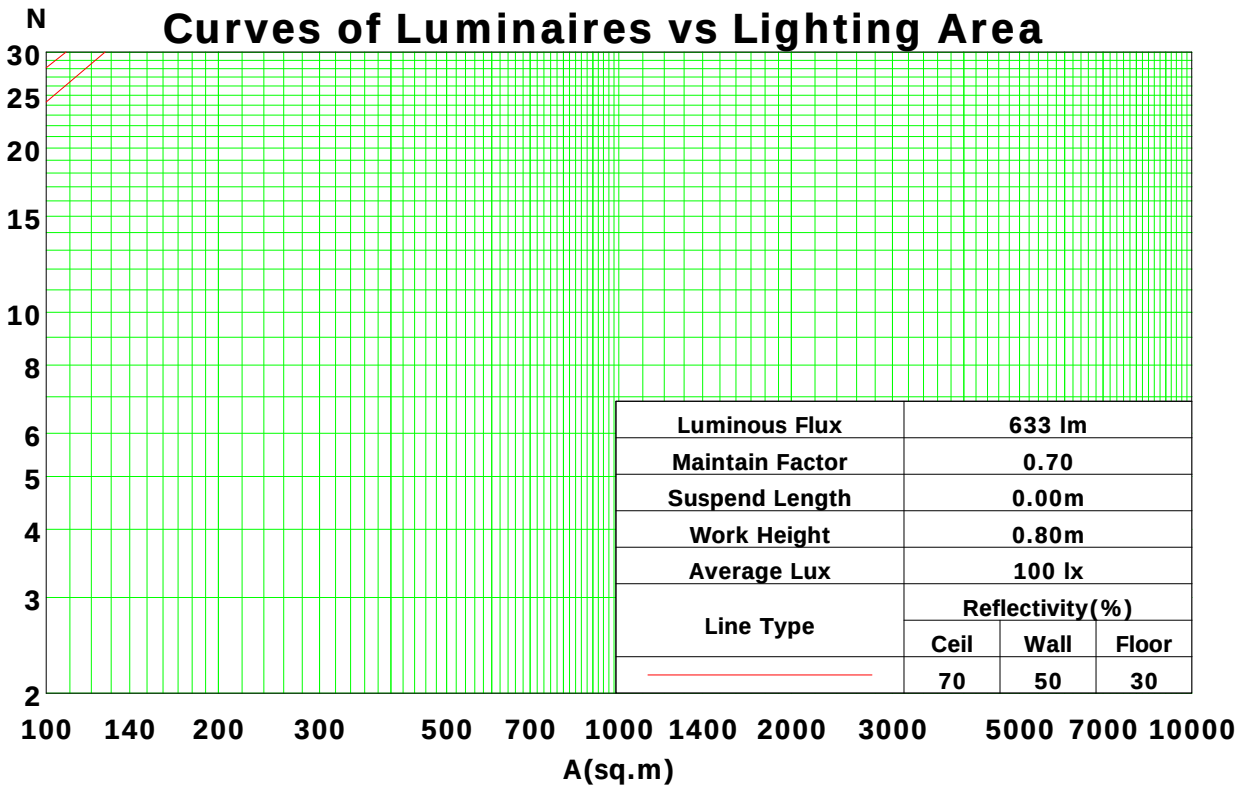
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:

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	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	51	48
5	75	62	52	45	73	60	52	45	58	51	45	56	49	44	54	48	44	41
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32
8	59	45	37	31	58	45	36	31	43	36	31	42	35	30	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

Spacing Criteria (0-180): 1.32
Spacing Criteria (90-270): 1.31
Spacing Criteria (Diagonal): 1.44

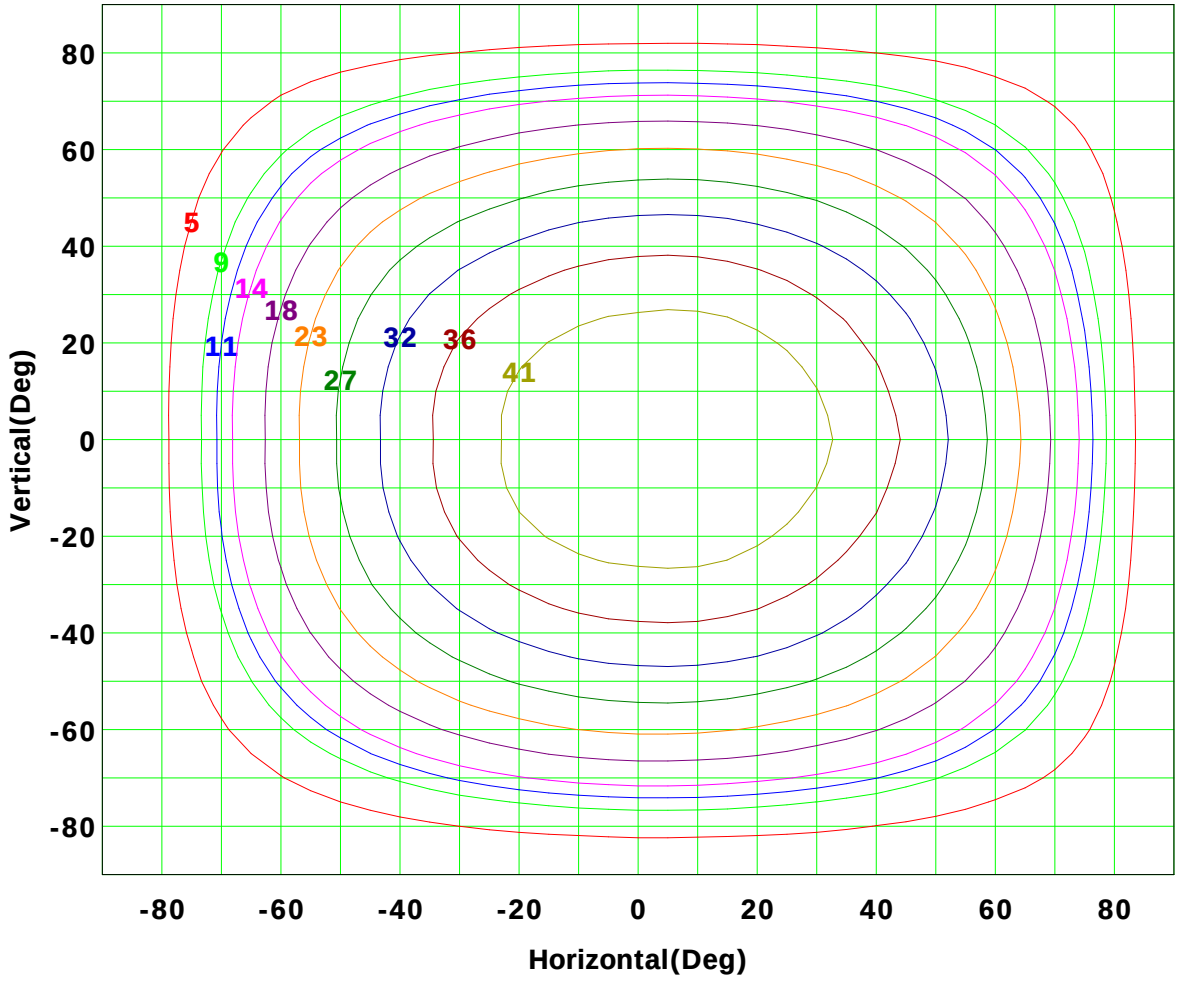
Curves of Luminaires vs Lighting Area



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: 9.390 m
Humidity: 60%
Inspector:

Isocandela (rectangle)



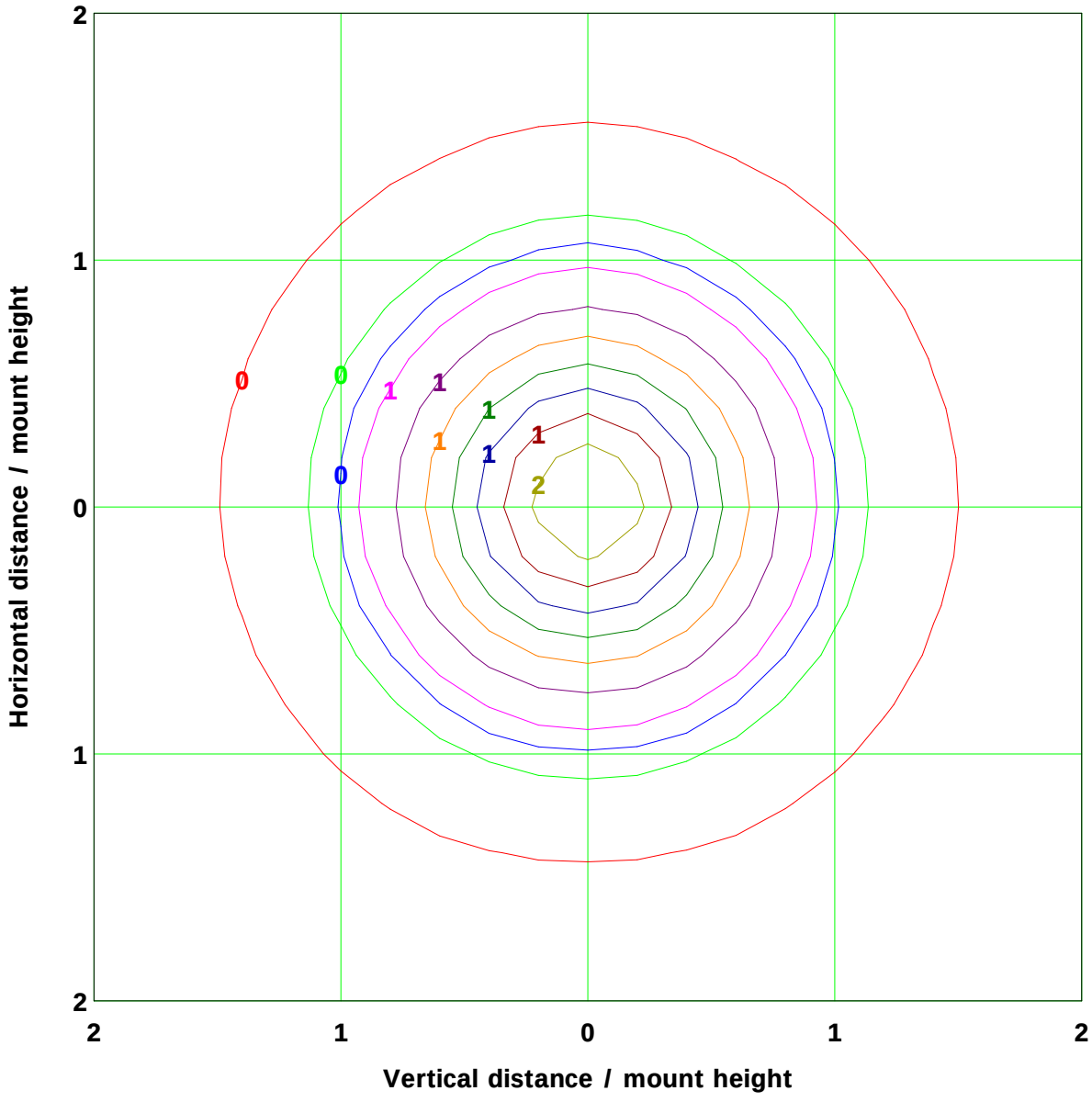
Imax (100%): 45 cd

(10%):	5 cd	(20%):	9 cd
(25%):	11 cd	(30%):	14 cd
(40%):	18 cd	(50%):	23 cd
(60%):	27 cd	(70%):	32 cd
(80%):	36 cd	(90%):	41 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: 9.390 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 1.8 lx

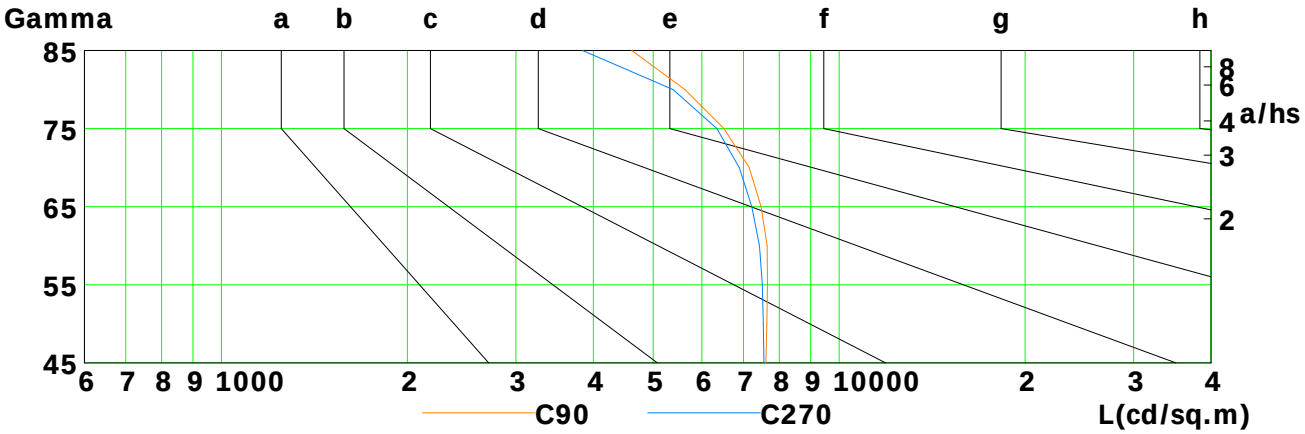
(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.4 lx	(30%): 0.5 lx
(40%): 0.7 lx	(50%): 0.9 lx
(60%): 1.1 lx	(70%): 1.3 lx
(80%): 1.4 lx	(90%): 1.6 lx

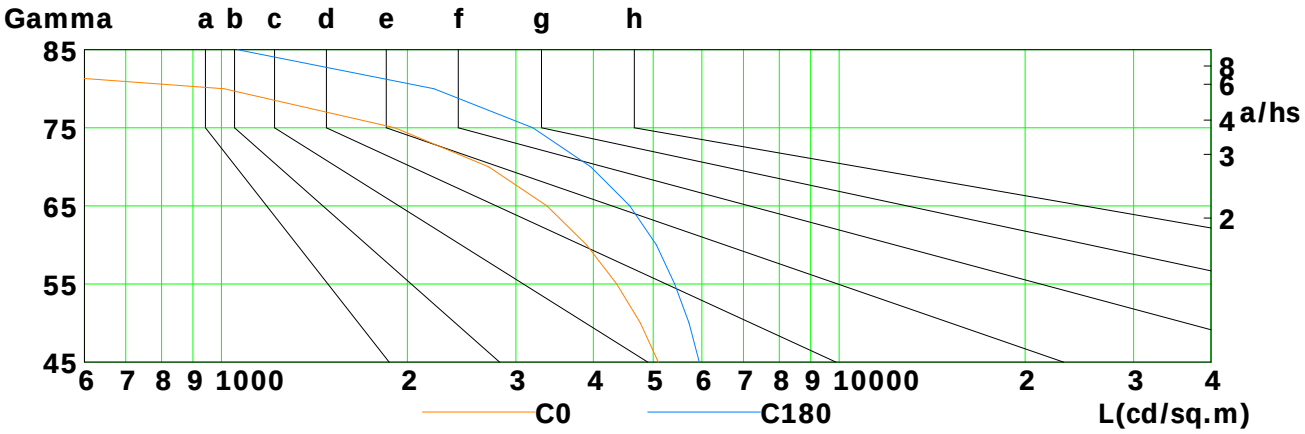
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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



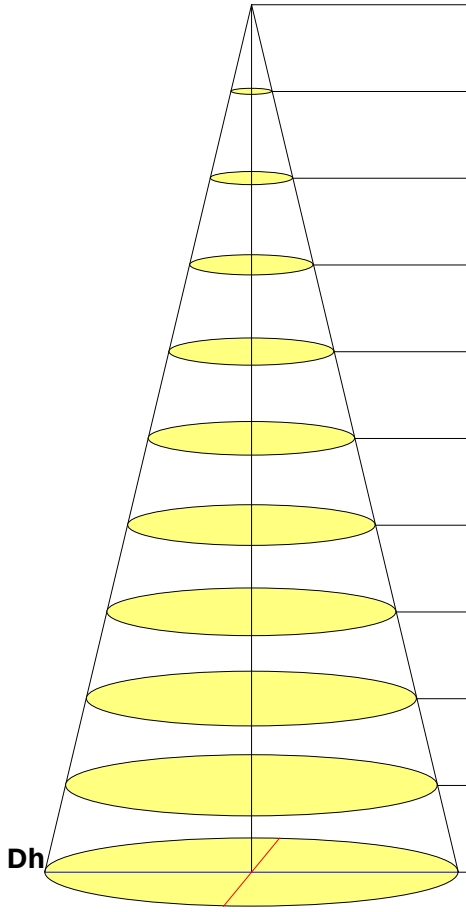


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5099	4770	4367	3903	3366	2708	1910	1010	139
C90	7610	7643	7658	7651	7479	7157	6512	5631	4616
C180	5940	5717	5416	5063	4586	3962	3196	2209	1062
C270	7561	7538	7517	7435	7220	6896	6344	5386	3844

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: 9.390 m
Humidity: 60%
Inspector:

Illuminance at a Distance



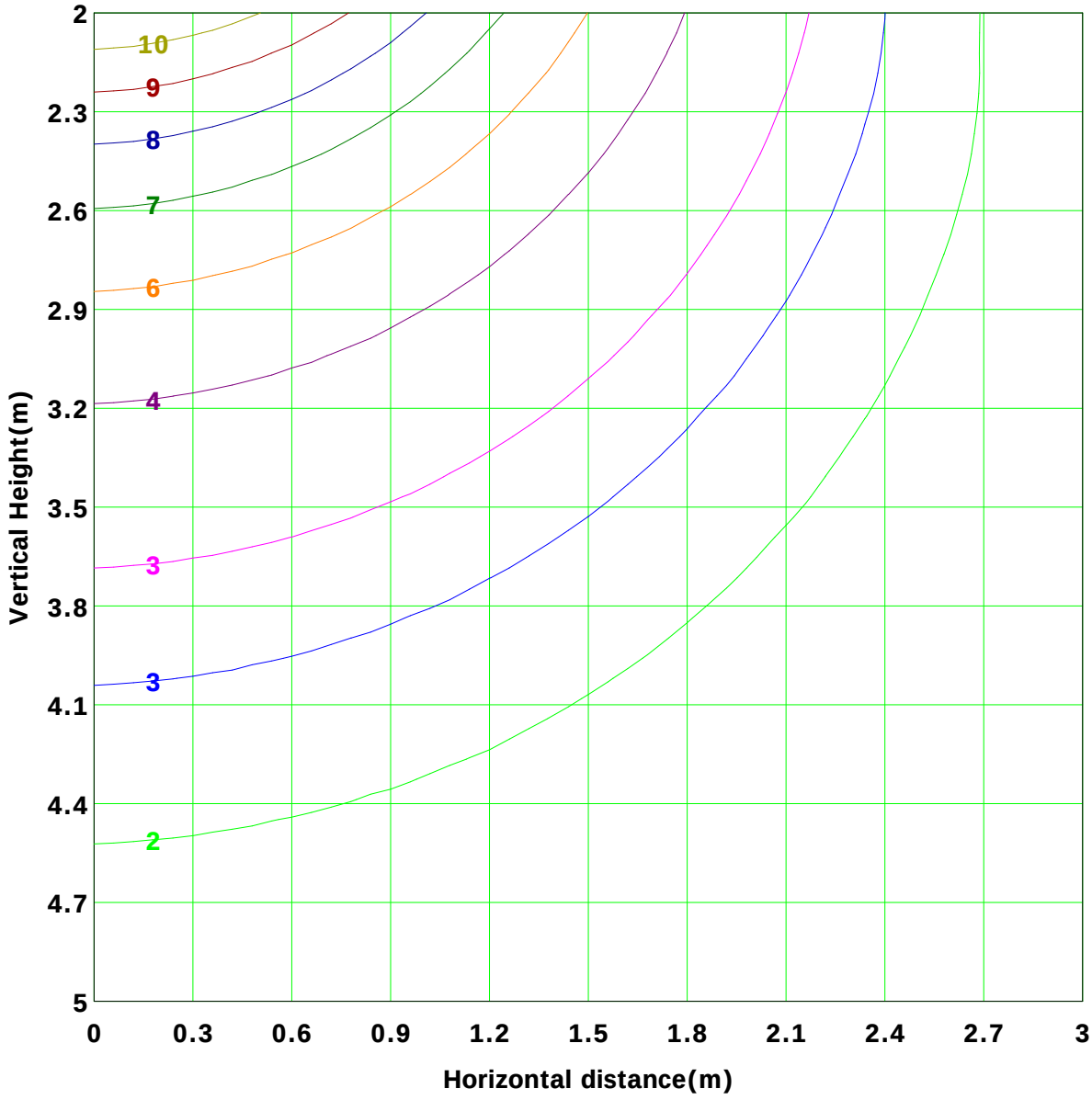
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	44.85	3.55/3.59	10.2	5.77
2.0	11.21	7.10/7.17	41.0	1.44
3.0	4.98	10.65/10.76	92.2	0.64
4.0	2.80	14.20/14.34	163.8	0.36
5.0	1.79	17.75/17.93	256.0	0.23
6.0	1.25	21.30/21.51	368.6	0.16
7.0	0.92	24.85/25.10	501.7	0.12
8.0	0.70	28.40/28.68	655.3	0.09
9.0	0.55	31.95/32.27	829.4	0.07
10.0	0.45	35.50/35.85	1023.9	0.06

Beam Angle(B): H121.2 V121.7 Field Angle(F): H162.3 V164.1

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: 9.390 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 11.2 lx

(10%): 1.1 lx	(20%): 2.2 lx
(25%): 2.8 lx	(30%): 3.4 lx
(40%): 4.5 lx	(50%): 5.6 lx
(60%): 6.7 lx	(70%): 7.8 lx
(80%): 9.0 lx	(90%): 10.1 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: 9.390 m
Humidity: 60%
Inspector:

Area Flux Table

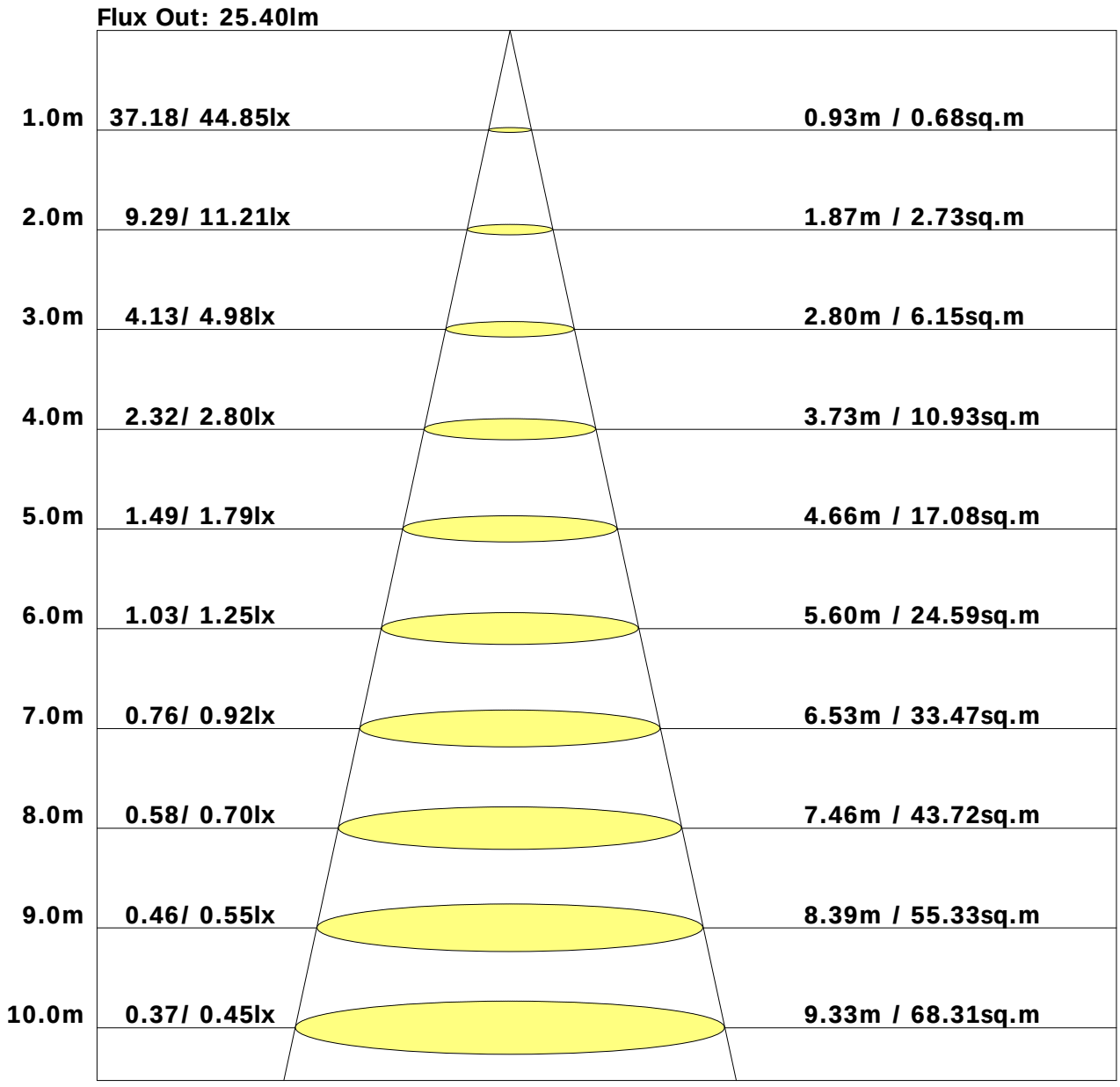
Unit: lm

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	0.0	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	0.6	0.1
-80 ~ -70	0.0	0.0	0.0	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	0.0	2.6	2.4
-70 ~ -60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.9	4.9
-60 ~ -50	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	7.0	7.0
-50 ~ -40	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.5	0.3	0.1	0.0	0.0	8.8	8.8
-40 ~ -30	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.0	10.3	10.3
-30 ~ -20	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.2	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	11.4	11.4
-20 ~ -10	0.0	0.1	0.3	0.5	0.7	1.0	1.1	1.3	1.3	1.3	1.2	1.1	0.9	0.6	0.4	0.2	0.1	0.0	12.1	12.1
-10 ~ 0	0.0	0.1	0.3	0.5	0.8	1.0	1.2	1.3	1.4	1.3	1.3	1.1	0.9	0.7	0.4	0.2	0.1	0.0	12.4	12.4
0 ~ 10	0.0	0.1	0.3	0.5	0.8	1.0	1.2	1.3	1.4	1.3	1.3	1.1	0.9	0.7	0.4	0.2	0.1	0.0	12.4	12.4
10 ~ 20	0.0	0.1	0.3	0.5	0.7	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	12.1	12.1
20 ~ 30	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.2	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	11.3	11.3
30 ~ 40	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.0	0.0	10.3	10.3
40 ~ 50	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.5	0.3	0.1	0.0	0.0	8.9	8.8
50 ~ 60	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	7.1	7.1
60 ~ 70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.2	0.1	0.1	0.0	0.0	5.0	4.9
70 ~ 80	0.0	0.0	0.0	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	0.0	2.6	2.5
80 ~ 90	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	0.7	0.2
Flux(T)	0.1	1.1	3.0	5.6	8.5	11.1	13.4	14.9	15.6	15.4	14.4	12.5	10.1	7.4	4.6	2.2	0.6	0.0	141	
Flux(E)	0.1	1.0	2.9	5.5	8.4	11.0	13.3	14.8	15.5	15.3	14.3	12.4	10.0	7.3	4.5	2.1	0.5	0.0		139

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: 9.390 m
Humidity: 60%
Inspector:

The Average Illuminance Effective Figure



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Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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Inspector:

UGR Table

Reflectance: Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	17.8	19.2	18.1	19.4	19.7	19.1	20.5	19.4	20.8	21.0
3H	18.9	20.2	19.3	20.5	20.8	20.8	22.1	21.1	22.4	22.6
4H	19.3	20.5	19.6	20.8	21.1	21.4	22.7	21.8	23.0	23.3
6H	19.4	20.6	19.8	20.9	21.2	21.9	23.0	22.3	23.4	23.7
8H	19.4	20.5	19.8	20.8	21.2	22.0	23.1	22.4	23.5	23.8
12H	19.4	20.4	19.8	20.8	21.1	22.1	23.2	22.5	23.5	23.9
X=4H Y=2H	18.5	19.7	18.9	20.0	20.3	19.6	20.8	19.9	21.1	21.4
3H	19.8	20.9	20.2	21.2	21.6	21.4	22.4	21.8	22.8	23.1
4H	20.3	21.2	20.7	21.6	22.0	22.1	23.1	22.6	23.5	23.8
6H	20.5	21.3	20.9	21.7	22.1	22.7	23.5	23.1	23.9	24.3
8H	20.5	21.3	20.9	21.7	22.1	22.9	23.7	23.3	24.1	24.5
12H	20.5	21.2	20.9	21.6	22.1	23.0	23.7	23.4	24.1	24.6
X=8H Y=4H	20.6	21.3	21.0	21.8	22.2	22.3	23.0	22.7	23.4	23.9
6H	20.9	21.5	21.3	21.9	22.4	22.9	23.5	23.4	24.0	24.4
8H	20.9	21.5	21.4	21.9	22.4	23.1	23.7	23.6	24.1	24.6
12H	20.9	21.4	21.4	21.9	22.4	23.3	23.8	23.8	24.2	24.7
X=12H Y=4H	20.6	21.3	21.0	21.7	22.2	22.3	23.0	22.7	23.4	23.8
6H	20.9	21.5	21.4	21.9	22.4	22.9	23.5	23.4	23.9	24.4
8H	21.0	21.5	21.5	21.9	22.4	23.2	23.6	23.7	24.1	24.6
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.1/-0.1				
S=1.5H	+0.4/-0.6					+0.3/-0.3				
S=2.0H	+0.6/-1.2					+0.7/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 141lm (8log(F/F0) = -6.8).

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: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.58	0.67	0.74	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.50	0.59	0.67	0.73	0.81	0.86	0.91	0.96	1.00
	0.20		0.45	0.53	0.61	0.67	0.76	0.82	0.86	0.92	0.97
0.50	0.50	0.20	0.56	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.50	0.58	0.65	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.44	0.52	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.55	0.63	0.70	0.74	0.81	0.85	0.88	0.93	0.95
	0.30		0.49	0.57	0.64	0.69	0.77	0.81	0.85	0.90	0.93
	0.20		0.44	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.91
0.00	0.00	0.00	0.42	0.49	0.57	0.62	0.69	0.74	0.78	0.83	0.86

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: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.98	0.83	0.70	0.61	0.49	0.41	0.35	0.27	0.22
	0.30		0.81	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.70	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.94	0.80	0.67	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.80	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.69	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.91	0.77	0.65	0.56	0.45	0.37	0.32	0.24	0.20
	0.30		0.78	0.68	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.68	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.58	0.51	0.43	0.38	0.31	0.26	0.22	0.17	0.14

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: 9.390 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.16	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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: 9.390 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	44.8	0.0	0.0	0.03	0.03
1.0-2.0	44.8	0.1	0.2	0.09	0.12
2.0-3.0	44.7	0.2	0.4	0.15	0.27
3.0-4.0	44.7	0.3	0.7	0.21	0.49
4.0-5.0	44.7	0.4	1.1	0.27	0.76
5.0-6.0	44.6	0.5	1.5	0.33	1.09
6.0-7.0	44.6	0.6	2.1	0.39	1.49
7.0-8.0	44.5	0.6	2.7	0.45	1.94
8.0-9.0	44.4	0.7	3.4	0.51	2.45
9.0-10.0	44.3	0.8	4.2	0.57	3.02
10.0-11.0	44.2	0.9	5.1	0.63	3.65
11.0-12.0	44.1	1.0	6.1	0.69	4.33
12.0-13.0	44.0	1.0	7.1	0.74	5.08
13.0-14.0	43.9	1.1	8.3	0.80	5.87
14.0-15.0	43.7	1.2	9.5	0.85	6.73
15.0-16.0	43.6	1.3	10.7	0.91	7.63
16.0-17.0	43.4	1.4	12.1	0.96	8.59
17.0-18.0	43.2	1.4	13.5	1.01	9.61
18.0-19.0	43.0	1.5	15.0	1.06	10.67
19.0-20.0	42.8	1.6	16.6	1.11	11.78
20.0-21.0	42.6	1.6	18.2	1.16	12.94
21.0-22.0	42.3	1.7	19.9	1.21	14.15
22.0-23.0	42.1	1.8	21.7	1.25	15.41
23.0-24.0	41.8	1.8	23.5	1.30	16.71
24.0-25.0	41.5	1.9	25.4	1.34	18.05
25.0-26.0	41.2	1.9	27.3	1.38	19.43
26.0-27.0	40.9	2.0	29.3	1.42	20.85
27.0-28.0	40.6	2.1	31.4	1.46	22.31
28.0-29.0	40.2	2.1	33.5	1.50	23.81
29.0-30.0	39.9	2.2	35.7	1.53	25.34
30.0-31.0	39.5	2.2	37.9	1.56	26.90
31.0-32.0	39.1	2.2	40.1	1.59	28.49
32.0-33.0	38.7	2.3	42.4	1.62	30.11
33.0-34.0	38.3	2.3	44.7	1.65	31.76
34.0-35.0	37.9	2.4	47.0	1.67	33.43
35.0-36.0	37.4	2.4	49.4	1.69	35.12

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: 9.390 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	37.0	2.4	51.8	1.71	36.84
37.0-38.0	36.5	2.4	54.3	1.73	38.57
38.0-39.0	36.1	2.5	56.7	1.75	40.32
39.0-40.0	35.6	2.5	59.2	1.76	42.08
40.0-41.0	35.1	2.5	61.7	1.78	43.86
41.0-42.0	34.6	2.5	64.2	1.79	45.64
42.0-43.0	34.1	2.5	66.8	1.79	47.44
43.0-44.0	33.6	2.5	69.3	1.80	49.24
44.0-45.0	33.0	2.5	71.8	1.80	51.04
45.0-46.0	32.5	2.5	74.4	1.81	52.85
46.0-47.0	32.0	2.5	76.9	1.81	54.66
47.0-48.0	31.4	2.5	79.5	1.80	56.46
48.0-49.0	30.8	2.5	82.0	1.80	58.26
49.0-50.0	30.2	2.5	84.5	1.79	60.05
50.0-51.0	29.6	2.5	87.0	1.78	61.83
51.0-52.0	29.0	2.5	89.5	1.77	63.60
52.0-53.0	28.3	2.5	92.0	1.75	65.35
53.0-54.0	27.7	2.4	94.4	1.73	67.08
54.0-55.0	27.0	2.4	96.8	1.71	68.80
55.0-56.0	26.3	2.4	99.2	1.69	70.49
56.0-57.0	25.6	2.3	101.5	1.67	72.15
57.0-58.0	24.9	2.3	103.9	1.64	73.79
58.0-59.0	24.2	2.3	106.1	1.61	75.40
59.0-60.0	23.5	2.2	108.3	1.57	76.98
60.0-61.0	22.7	2.2	110.5	1.54	78.51
61.0-62.0	21.9	2.1	112.6	1.50	80.01
62.0-63.0	21.1	2.1	114.7	1.46	81.47
63.0-64.0	20.3	2.0	116.7	1.42	82.89
64.0-65.0	19.5	1.9	118.6	1.37	84.26
65.0-66.0	18.7	1.9	120.4	1.32	85.58
66.0-67.0	17.8	1.8	122.2	1.27	86.86
67.0-68.0	17.0	1.7	124.0	1.22	88.08
68.0-69.0	16.1	1.6	125.6	1.17	89.24
69.0-70.0	15.2	1.6	127.2	1.11	90.35
70.0-71.0	14.3	1.5	128.6	1.05	91.40
71.0-72.0	13.4	1.4	130.0	0.99	92.40

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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	12.5	1.3	131.3	0.93	93.33
73.0-74.0	11.6	1.2	132.6	0.87	94.20
74.0-75.0	10.7	1.1	133.7	0.81	95.00
75.0-76.0	9.8	1.0	134.7	0.74	95.74
76.0-77.0	8.9	1.0	135.7	0.68	96.42
77.0-78.0	8.0	0.9	136.6	0.61	97.03
78.0-79.0	7.2	0.8	137.3	0.55	97.58
79.0-80.0	6.3	0.7	138.0	0.48	98.06
80.0-81.0	5.5	0.6	138.6	0.42	98.48
81.0-82.0	4.6	0.5	139.1	0.36	98.84
82.0-83.0	3.8	0.4	139.5	0.30	99.13
83.0-84.0	3.1	0.3	139.9	0.24	99.37
84.0-85.0	2.4	0.3	140.1	0.19	99.56
85.0-86.0	1.8	0.2	140.3	0.14	99.71
86.0-87.0	1.3	0.1	140.5	0.10	99.81
87.0-88.0	0.9	0.1	140.6	0.07	99.87
88.0-89.0	0.5	0.1	140.6	0.04	99.91
89.0-90.0	0.3	0.0	140.6	0.02	99.93
90.0-91.0	0.2	0.0	140.7	0.02	99.95
91.0-92.0	0.2	0.0	140.7	0.01	99.96
92.0-93.0	0.1	0.0	140.7	0.01	99.97
93.0-94.0	0.1	0.0	140.7	0.01	99.98
94.0-95.0	0.1	0.0	140.7	0.01	99.99
95.0-96.0	0.1	0.0	140.7	0.00	99.99
96.0-97.0	0.0	0.0	140.7	0.00	100.00
97.0-98.0	0.0	0.0	140.7	0.00	100.00
98.0-99.0	0.0	0.0	140.7	0.00	100.00
99.0-100.0	0.0	0.0	140.7	0.00	100.00
100.0-101.0	0.0	0.0	140.7	0.00	100.00
101.0-102.0	0.0	0.0	140.7	0.00	100.00
102.0-103.0	0.0	0.0	140.7	0.00	100.00
103.0-104.0	0.0	0.0	140.7	0.00	100.00
104.0-105.0	0.0	0.0	140.7	0.00	100.00
105.0-106.0	0.0	0.0	140.7	0.00	100.00
106.0-107.0	0.0	0.0	140.7	0.00	100.00
107.0-108.0	0.0	0.0	140.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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	0.0	0.0	140.7	0.00	100.00
109.0-110.0	0.0	0.0	140.7	0.00	100.00
110.0-111.0	0.0	0.0	140.7	0.00	100.00
111.0-112.0	0.0	0.0	140.7	0.00	100.00
112.0-113.0	0.0	0.0	140.7	0.00	100.00
113.0-114.0	0.0	0.0	140.7	0.00	100.00
114.0-115.0	0.0	0.0	140.7	0.00	100.00
115.0-116.0	0.0	0.0	140.7	0.00	100.00
116.0-117.0	0.0	0.0	140.7	0.00	100.00
117.0-118.0	0.0	0.0	140.7	0.00	100.00
118.0-119.0	0.0	0.0	140.7	0.00	100.00
119.0-120.0	0.0	0.0	140.7	0.00	100.00
120.0-121.0	0.0	0.0	140.7	0.00	100.00
121.0-122.0	0.0	0.0	140.7	0.00	100.00
122.0-123.0	0.0	0.0	140.7	0.00	100.00
123.0-124.0	0.0	0.0	140.7	0.00	100.00
124.0-125.0	0.0	0.0	140.7	0.00	100.00
125.0-126.0	0.0	0.0	140.7	0.00	100.00
126.0-127.0	0.0	0.0	140.7	0.00	100.00
127.0-128.0	0.0	0.0	140.7	0.00	100.00
128.0-129.0	0.0	0.0	140.7	0.00	100.00
129.0-130.0	0.0	0.0	140.7	0.00	100.00
130.0-131.0	0.0	0.0	140.7	0.00	100.00
131.0-132.0	0.0	0.0	140.7	0.00	100.00
132.0-133.0	0.0	0.0	140.7	0.00	100.00
133.0-134.0	0.0	0.0	140.7	0.00	100.00
134.0-135.0	0.0	0.0	140.7	0.00	100.00
135.0-136.0	0.0	0.0	140.7	0.00	100.00
136.0-137.0	0.0	0.0	140.7	0.00	100.00
137.0-138.0	0.0	0.0	140.7	0.00	100.00
138.0-139.0	0.0	0.0	140.7	0.00	100.00
139.0-140.0	0.0	0.0	140.7	0.00	100.00
140.0-141.0	0.0	0.0	140.7	0.00	100.00
141.0-142.0	0.0	0.0	140.7	0.00	100.00
142.0-143.0	0.0	0.0	140.7	0.00	100.00
143.0-144.0	0.0	0.0	140.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 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	0.0	0.0	140.7	0.00	100.00
145.0-146.0	0.0	0.0	140.7	0.00	100.00
146.0-147.0	0.0	0.0	140.7	0.00	100.00
147.0-148.0	0.0	0.0	140.7	0.00	100.00
148.0-149.0	0.0	0.0	140.7	0.00	100.00
149.0-150.0	0.0	0.0	140.7	0.00	100.00
150.0-151.0	0.0	0.0	140.7	0.00	100.00
151.0-152.0	0.0	0.0	140.7	0.00	100.00
152.0-153.0	0.0	0.0	140.7	0.00	100.00
153.0-154.0	0.0	0.0	140.7	0.00	100.00
154.0-155.0	0.0	0.0	140.7	0.00	100.00
155.0-156.0	0.0	0.0	140.7	0.00	100.00
156.0-157.0	0.0	0.0	140.7	0.00	100.00
157.0-158.0	0.0	0.0	140.7	0.00	100.00
158.0-159.0	0.0	0.0	140.7	0.00	100.00
159.0-160.0	0.0	0.0	140.7	0.00	100.00
160.0-161.0	0.0	0.0	140.7	0.00	100.00
161.0-162.0	0.0	0.0	140.7	0.00	100.00
162.0-163.0	0.0	0.0	140.7	0.00	100.00
163.0-164.0	0.0	0.0	140.7	0.00	100.00
164.0-165.0	0.0	0.0	140.7	0.00	100.00
165.0-166.0	0.0	0.0	140.7	0.00	100.00
166.0-167.0	0.0	0.0	140.7	0.00	100.00
167.0-168.0	0.0	0.0	140.7	0.00	100.00
168.0-169.0	0.0	0.0	140.7	0.00	100.00
169.0-170.0	0.0	0.0	140.7	0.00	100.00
170.0-171.0	0.0	0.0	140.7	0.00	100.00
171.0-172.0	0.0	0.0	140.7	0.00	100.00
172.0-173.0	0.0	0.0	140.7	0.00	100.00
173.0-174.0	0.0	0.0	140.7	0.00	100.00
174.0-175.0	0.0	0.0	140.7	0.00	100.00
175.0-176.0	0.0	0.0	140.7	0.00	100.00
176.0-177.0	0.0	0.0	140.7	0.00	100.00
177.0-178.0	0.0	0.0	140.7	0.00	100.00
178.0-179.0	0.0	0.0	140.7	0.00	100.00
179.0-180.0	0.0	0.0	140.7	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector: