Report No.: **Test Time: 2022/5/19 16:16**

Luminaire Property

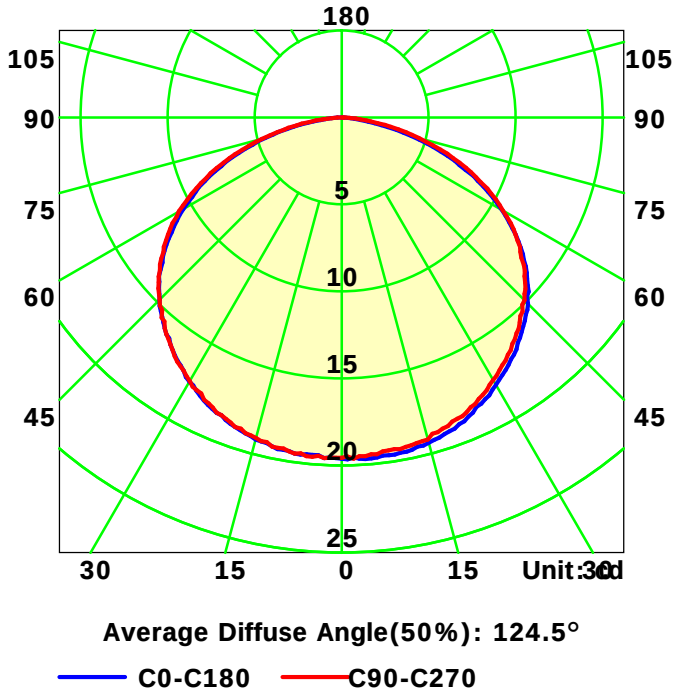
Luminaire Manufacturer:
Luminaire Category: RIBBONLYTE **Luminaire Description: 120LED S2 RGBA**
Lamp Catalog: 5050 RGBA 4IN1 120LED/M **Lamp Description: BLUE**
Number of Lamps: 1 **Luminous Length (mm): 500**
Luminous Width (mm): 12 **Luminous Height (mm): 5**
Voltage: 24.0 V **Current: 0.149 A**
Power: 3.58 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 64.1 lm**
Measurement Flux: 64.1 lm **Efficiency: 100%**
Downward Ratio: 100% **Upward Ratio: 0%**
Horizontal Diffuse Angle(10%,50%): H161.1,H123.9
Vertical Diffuse Angle(10%,50%): V163.2,V125.2
Luminaire Efficacy Rating (LER): 17.95 **Central Intensity: 19.81 cd**
Max. Intensity: 19.89 cd **Pos of Max. Intensity: H0 V4**
S/MH(C0/C180): 1.34 **S/MH(C90/C270): 1.33**

Picture Of Luminaire

Luminous Intensity Distribution Curve

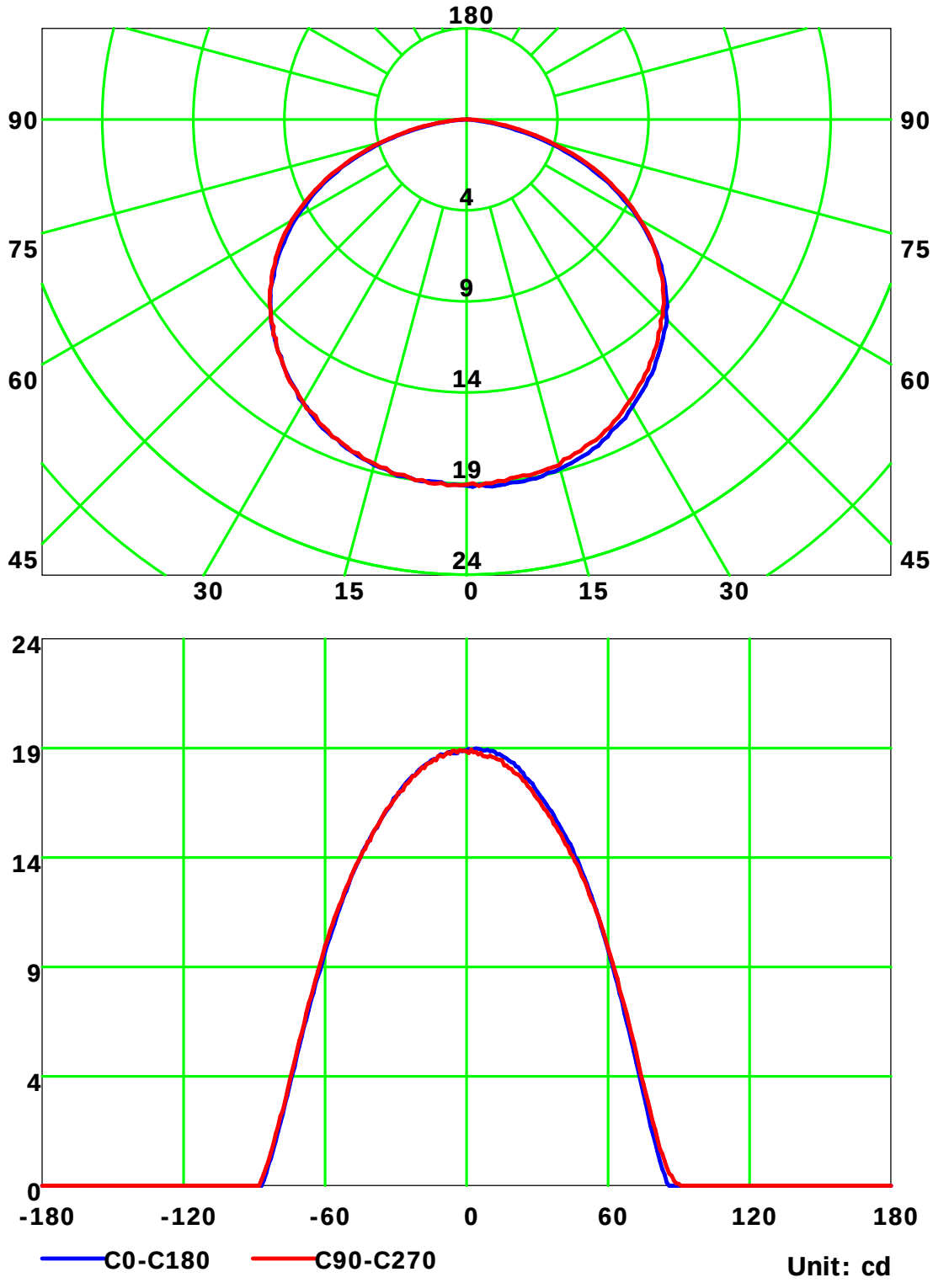


Average Diffuse Angle(50%): 124.5°

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:**

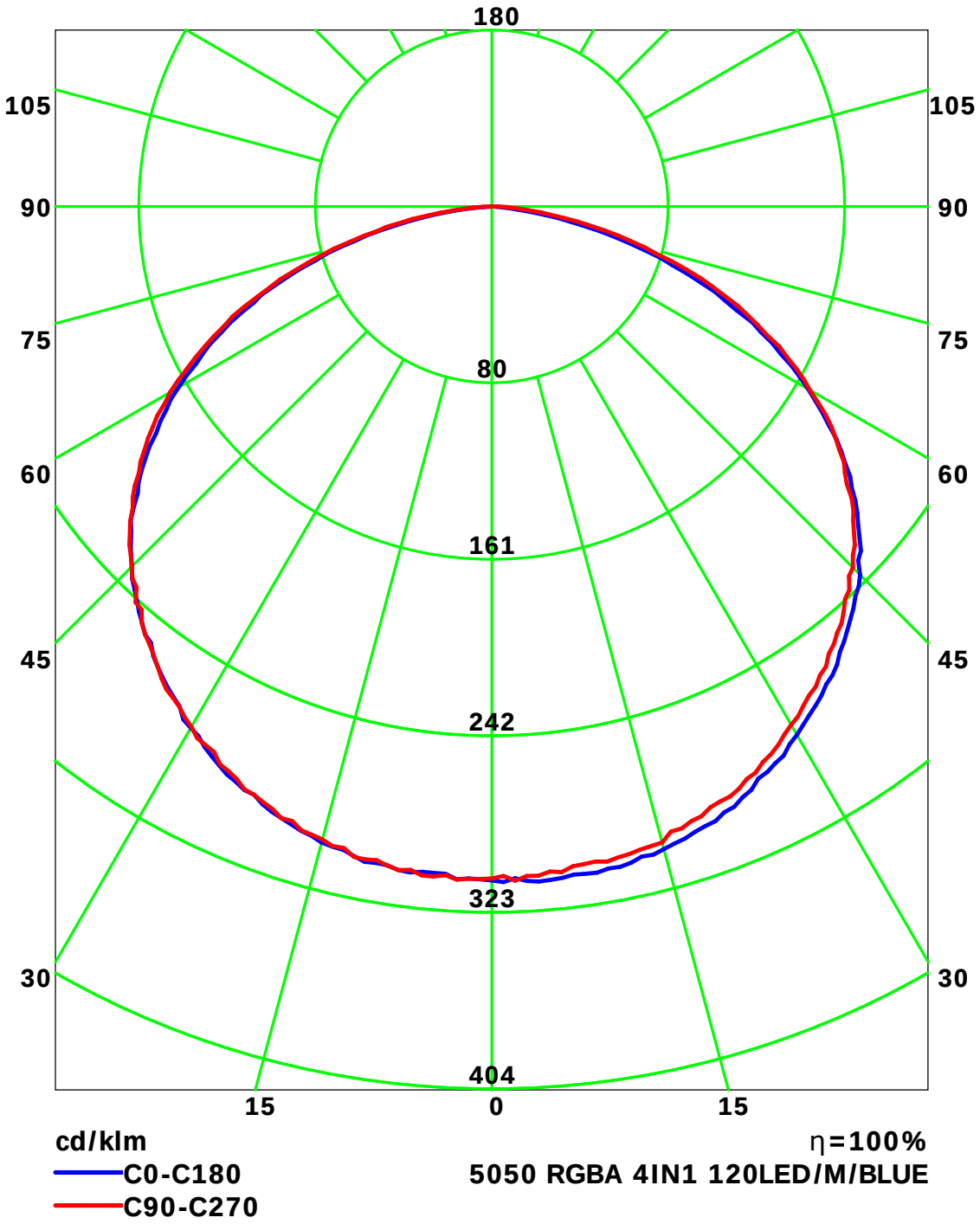
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
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:

Luminous Intensity Distribution Curve(cd/klm)



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

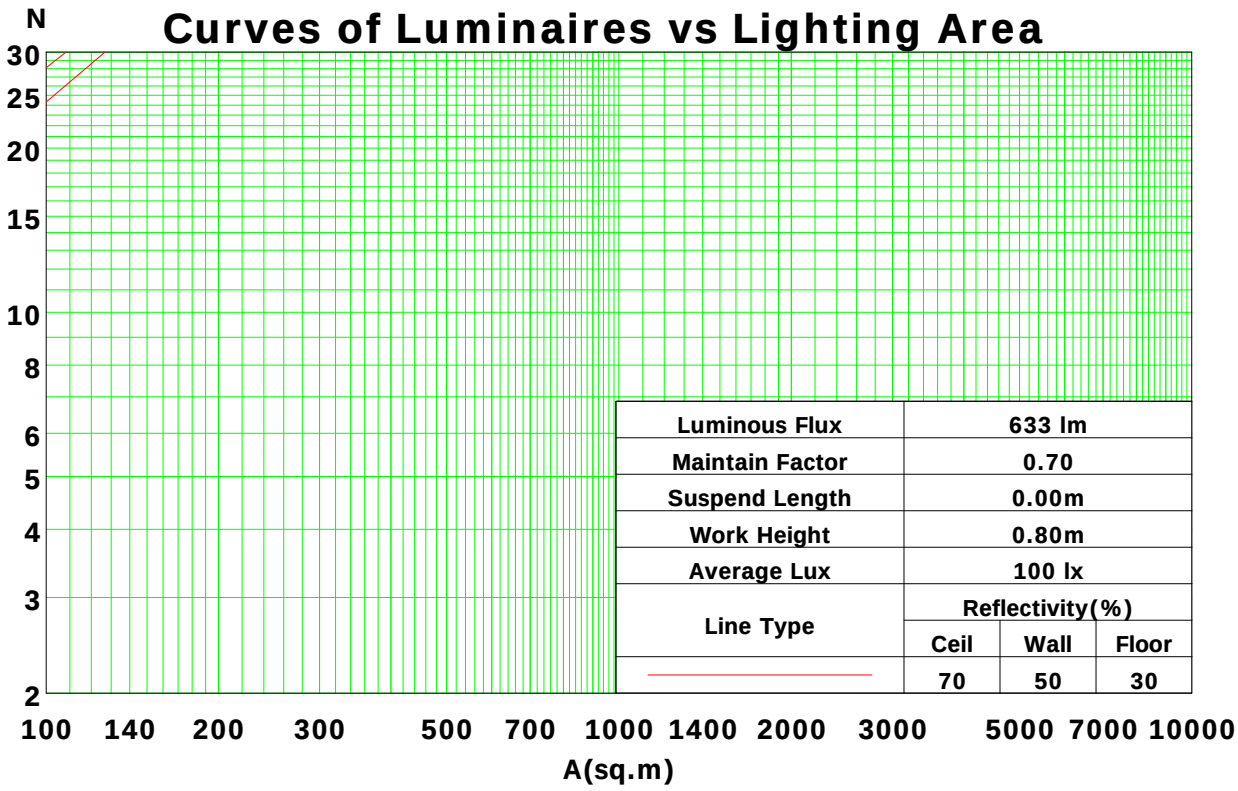
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.390 m
Humidity: 60%
Inspector:

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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
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	50	48
5	75	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36
7	64	50	41	34	62	49	40	34	47	40	34	46	39	34	44	38	33	31
8	59	45	36	30	57	45	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	24	36	29	24	35	29	24	22

Spacing Criteria (0-180): 1.34
Spacing Criteria (90-270): 1.33
Spacing Criteria (Diagonal): 1.47

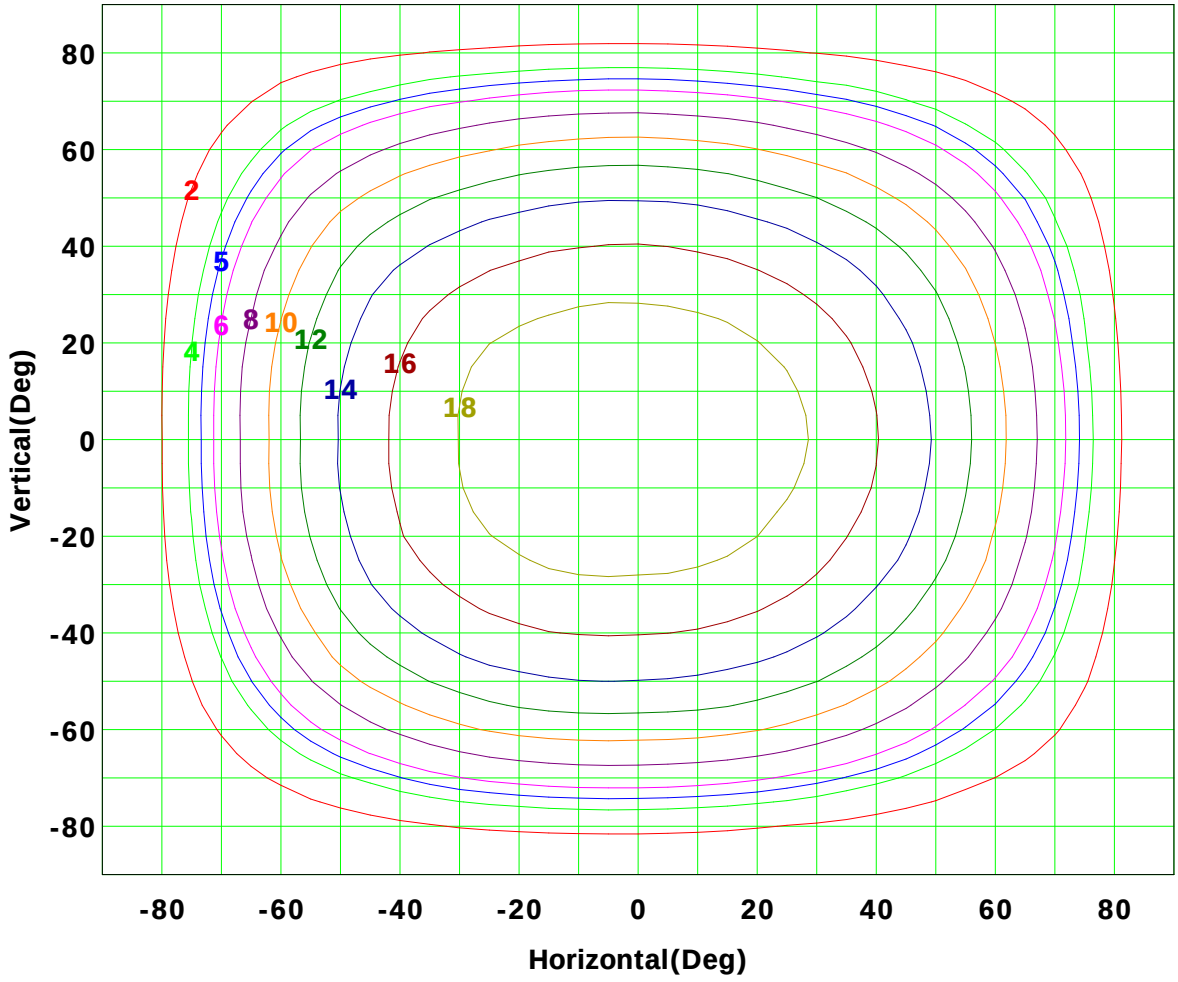
Curves of Luminaires vs Lighting Area



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)



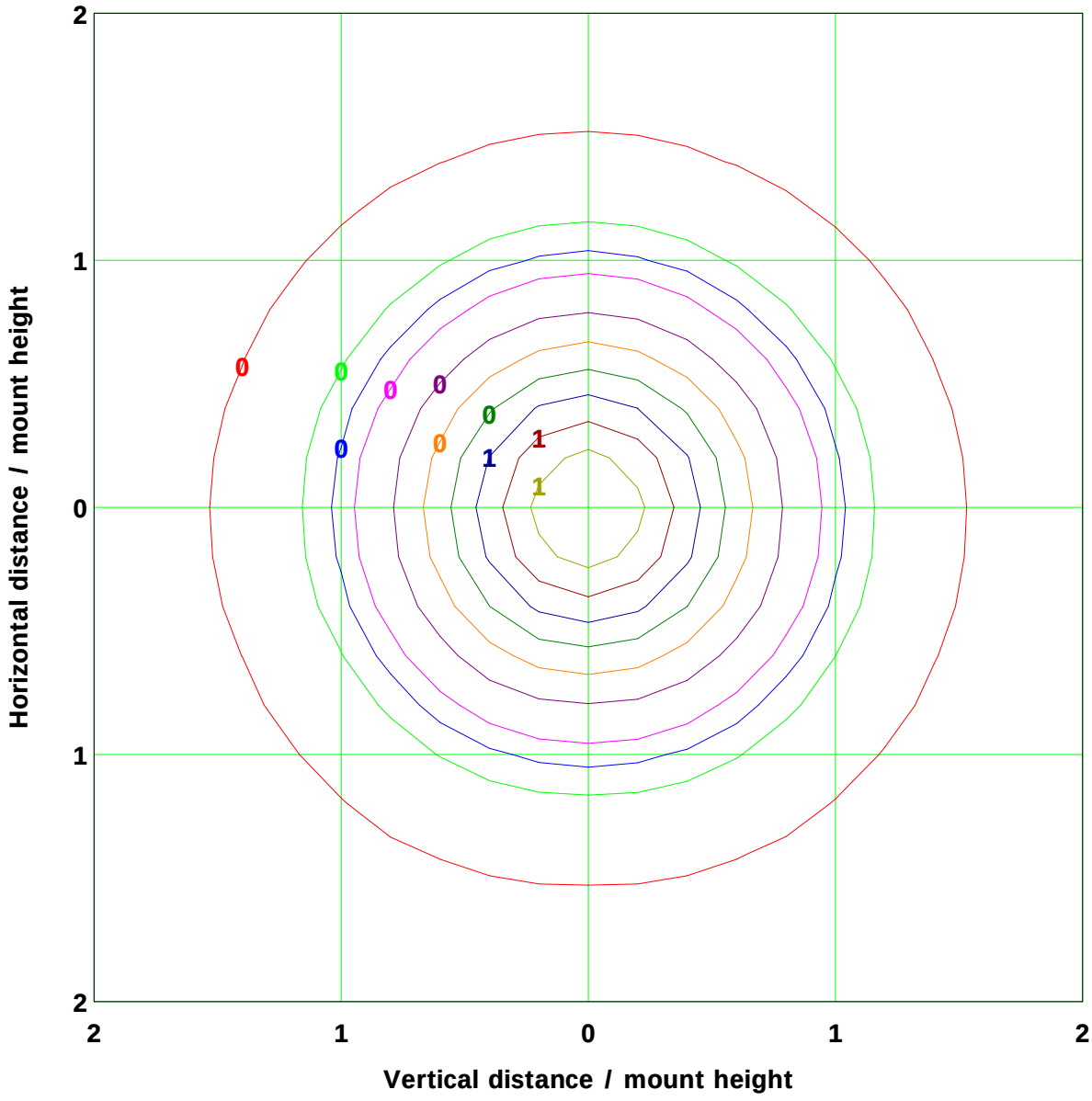
Imax (100%): 20 cd

(10%):	2 cd	(20%):	4 cd
(25%):	5 cd	(30%):	6 cd
(40%):	8 cd	(50%):	10 cd
(60%):	12 cd	(70%):	14 cd
(80%):	16 cd	(90%):	18 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%): 0.8 lx

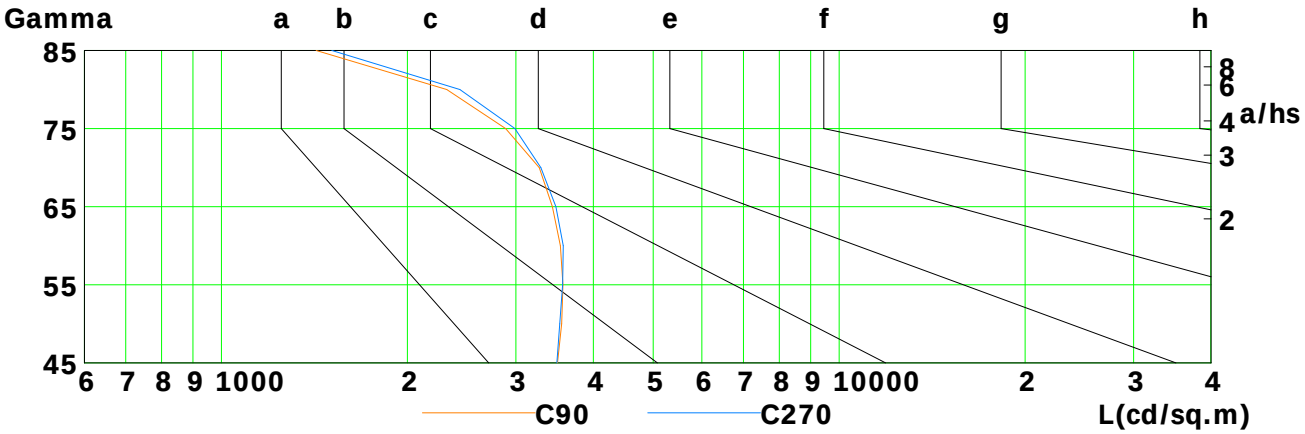
(10%): 0.1 lx	(20%): 0.2 lx
(25%): 0.2 lx	(30%): 0.2 lx
(40%): 0.3 lx	(50%): 0.4 lx
(60%): 0.5 lx	(70%): 0.6 lx
(80%): 0.6 lx	(90%): 0.7 lx

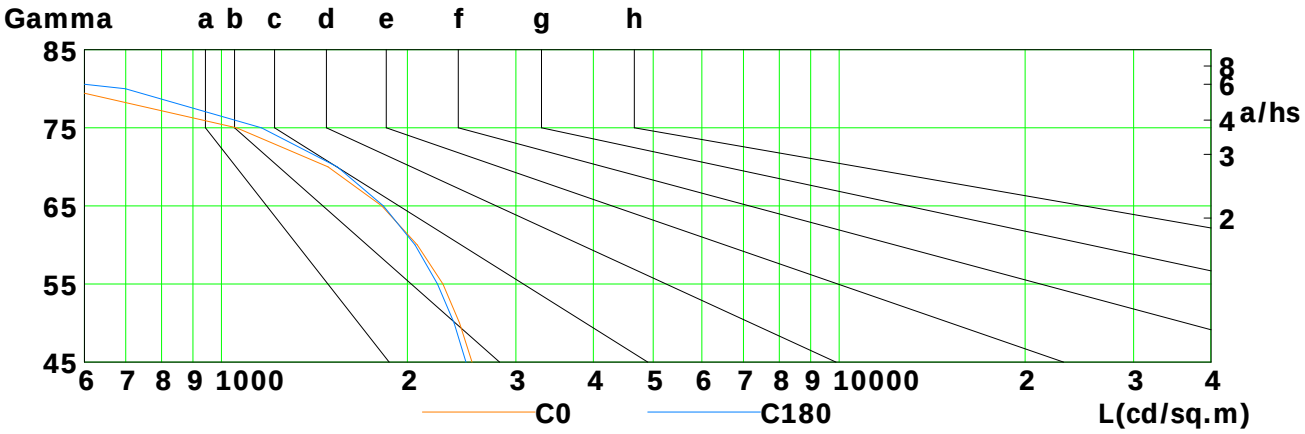
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



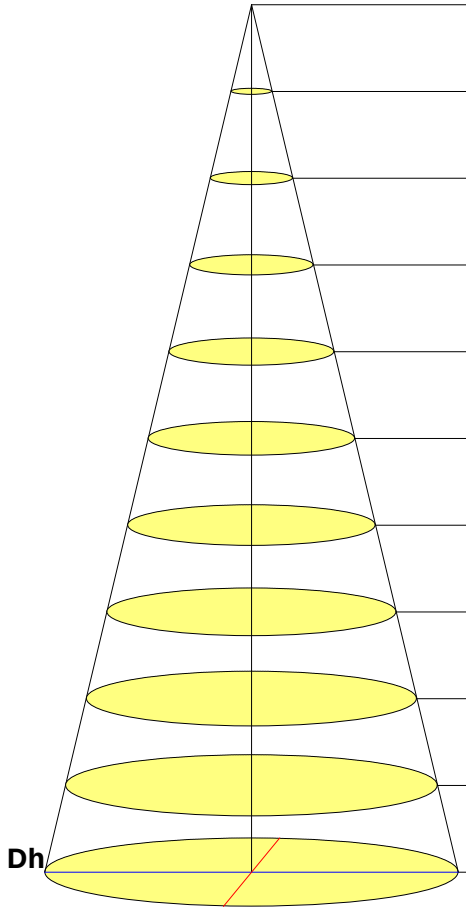


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2547	2431	2284	2077	1818	1488	1059	559	46
C90	3503	3557	3572	3539	3436	3272	2887	2316	1424
C180	2489	2381	2237	2060	1829	1540	1162	699	199
C270	3494	3531	3570	3578	3483	3291	2986	2434	1510

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



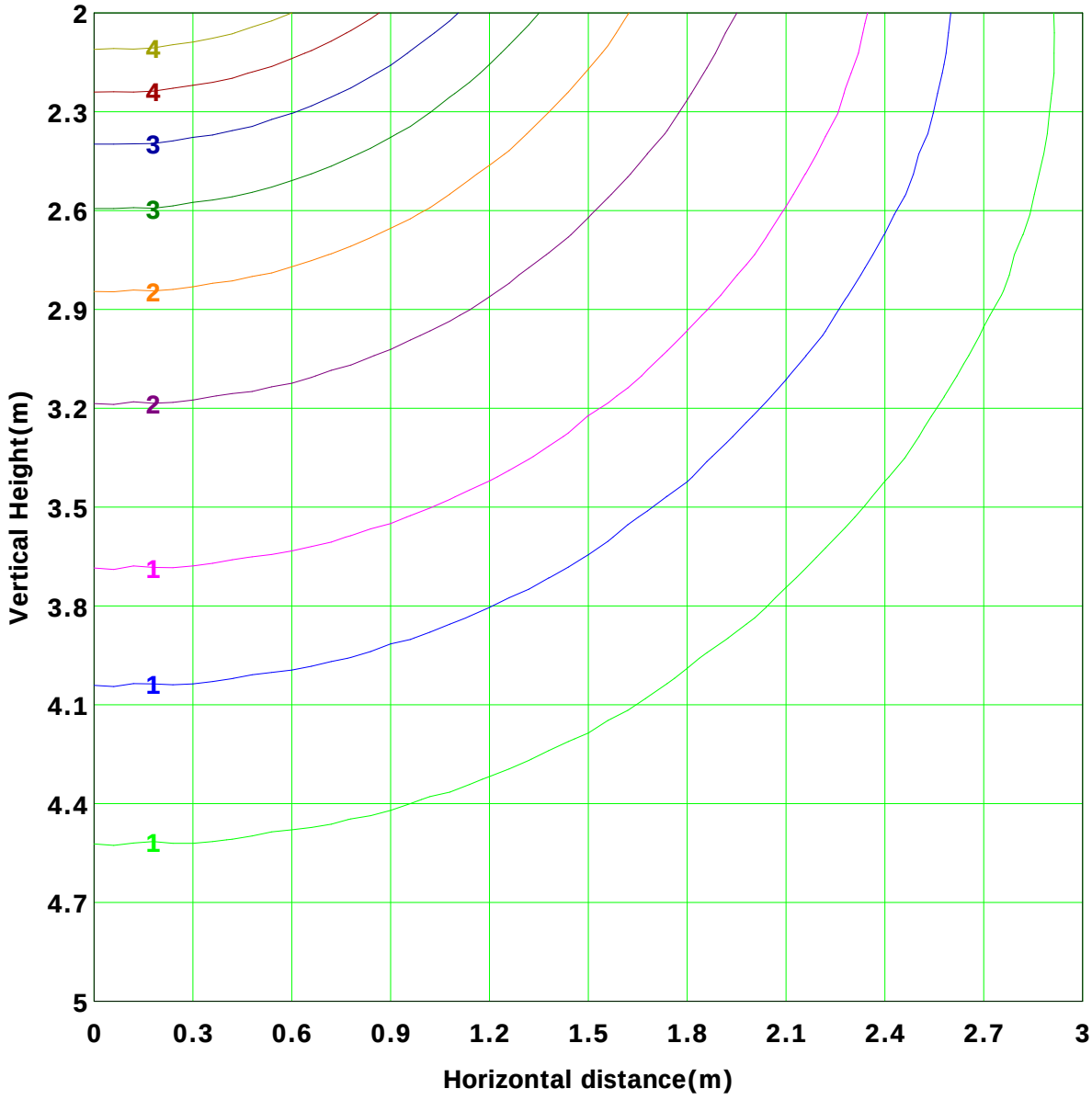
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	19.81	3.75/3.86	11.8	2.33
2.0	4.95	7.49/7.71	47.1	0.58
3.0	2.20	11.24/11.57	106.0	0.26
4.0	1.24	14.98/15.43	188.5	0.15
5.0	0.79	18.73/19.29	294.5	0.09
6.0	0.55	22.48/23.14	424.1	0.06
7.0	0.40	26.22/27.00	577.3	0.05
8.0	0.31	29.97/30.86	754.0	0.04
9.0	0.24	33.72/34.72	954.3	0.03
10.0	0.20	37.46/38.57	1178.1	0.02

Beam Angle(B): H123.8 V125.2 Field Angle(F): H161.1 V163.2

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: 5.0 lx

(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.5 lx
(40%): 2.0 lx	(50%): 2.5 lx
(60%): 3.0 lx	(70%): 3.5 lx
(80%): 4.0 lx	(90%): 4.5 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

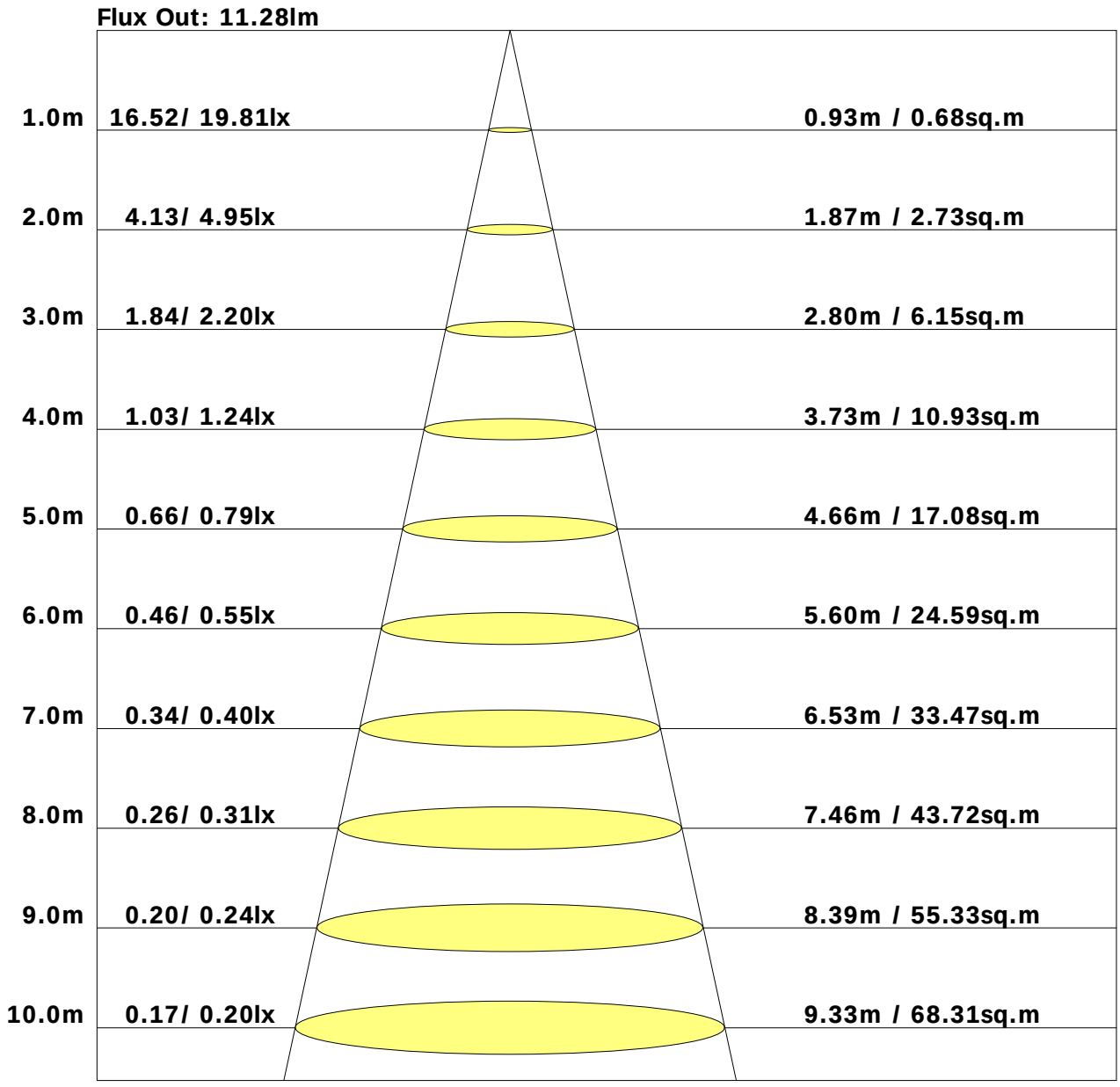
Vertical plane

Horizontal plane	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	1.1	1.2	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	0.1	0.1	0.0	0.0	0.0	
-60	2.2	2.3	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	
-50	3.5	3.6	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	
-40	4.7	4.8	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	
-30	5.8	5.8	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	
-20	6.5	6.6	0.0	0.1	0.2	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	
-10	7.0	7.0	0.0	0.1	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.1	0.0	
0	7.0	7.0	0.0	0.1	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.1	0.0	
10	6.7	6.7	0.0	0.1	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.1	0.0	
20	6.0	6.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	
30	5.0	5.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.0	
40	3.7	3.8	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	
50	2.4	2.4	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
60	1.2	1.2	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	0.1	0.1	0.0	0.0	0.0	
70	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)		64	0.2	1.1	2.3	3.3	4.1	4.7	5.2	5.4	5.6	5.6	5.4	5.2	4.7	4.1	3.3	2.3	1.2	0.2	
Flux(E)	63		0.0	1.0	2.3	3.3	4.1	4.7	5.2	5.4	5.6	5.6	5.4	5.2	4.7	4.1	3.3	2.3	1.1	0.1	

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:

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: 9.390 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	15.9	17.4	16.2	17.6	17.8	16.8	18.2	17.1	18.5	18.7
3H	17.2	18.5	17.6	18.8	19.1	18.5	19.8	18.8	20.0	20.3
4H	17.6	18.8	17.9	19.1	19.4	19.1	20.3	19.4	20.6	20.9
6H	17.7	18.9	18.1	19.2	19.5	19.5	20.6	19.9	20.9	21.3
8H	17.7	18.8	18.1	19.2	19.5	19.6	20.7	20.0	21.0	21.3
12H	17.7	18.8	18.1	19.1	19.4	19.6	20.7	20.0	21.0	21.4
X=4H Y=2H	16.7	17.9	17.0	18.2	18.5	17.4	18.6	17.7	18.9	19.2
3H	18.2	19.2	18.5	19.5	19.9	19.2	20.2	19.6	20.6	20.9
4H	18.6	19.6	19.0	19.9	20.3	19.9	20.8	20.3	21.2	21.6
6H	18.9	19.7	19.3	20.1	20.5	20.4	21.2	20.8	21.6	22.0
8H	18.9	19.7	19.3	20.1	20.5	20.5	21.3	20.9	21.7	22.1
12H	18.9	19.6	19.3	20.0	20.4	20.6	21.3	21.0	21.7	22.1
X=8H Y=4H	18.9	19.7	19.4	20.1	20.5	20.0	20.8	20.5	21.2	21.6
6H	19.2	19.9	19.7	20.3	20.8	20.6	21.2	21.1	21.7	22.1
8H	19.3	19.8	19.8	20.3	20.8	20.8	21.3	21.3	21.8	22.3
12H	19.3	19.8	19.8	20.2	20.7	20.9	21.4	21.4	21.8	22.3
X=12H Y=4H	18.9	19.6	19.4	20.0	20.5	20.0	20.7	20.5	21.2	21.6
6H	19.3	19.8	19.8	20.3	20.8	20.6	21.2	21.1	21.6	22.1
8H	19.3	19.8	19.8	20.3	20.8	20.8	21.3	21.3	21.8	22.3
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/-1.1					+0.6/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 64lm (8log(F/F0) = -9.5).

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	0.66	0.74	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.50	0.58	0.67	0.72	0.81	0.87	0.91	0.96	1.00
	0.20		0.44	0.52	0.61	0.67	0.76	0.82	0.86	0.93	0.97
0.50	0.50	0.20	0.56	0.64	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.57	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	0.94
0.30	0.50	0.20	0.55	0.62	0.69	0.74	0.81	0.85	0.89	0.93	0.95
	0.30		0.48	0.56	0.64	0.69	0.77	0.82	0.85	0.90	0.93
	0.20		0.44	0.51	0.59	0.65	0.73	0.78	0.82	0.87	0.91
0.00	0.00	0.00	0.41	0.49	0.56	0.62	0.69	0.74	0.78	0.83	0.86

Rating:4W 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
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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	0.84	0.71	0.61	0.49	0.40	0.34	0.27	0.22
	0.30		0.82	0.72	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.70	0.62	0.55	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.95	0.80	0.68	0.59	0.47	0.42	0.33	0.25	0.20
	0.30		0.80	0.70	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.62	0.54	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.92	0.77	0.65	0.56	0.45	0.37	0.31	0.24	0.20
	0.30		0.79	0.68	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.69	0.61	0.53	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.59	0.51	0.44	0.38	0.31	0.26	0.22	0.17	0.14

Rating:4W 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	0.18	0.19	0.20	0.21	0.21	0.21	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	0.18	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	0.07	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:4W 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	19.8	0.0	0.0	0.03	0.03
1.0-2.0	19.8	0.1	0.1	0.09	0.12
2.0-3.0	19.8	0.1	0.2	0.15	0.27
3.0-4.0	19.7	0.1	0.3	0.21	0.47
4.0-5.0	19.7	0.2	0.5	0.27	0.74
5.0-6.0	19.7	0.2	0.7	0.32	1.06
6.0-7.0	19.7	0.2	0.9	0.38	1.44
7.0-8.0	19.7	0.3	1.2	0.44	1.88
8.0-9.0	19.7	0.3	1.5	0.50	2.38
9.0-10.0	19.6	0.4	1.9	0.55	2.93
10.0-11.0	19.6	0.4	2.3	0.61	3.55
11.0-12.0	19.6	0.4	2.7	0.67	4.21
12.0-13.0	19.5	0.5	3.2	0.72	4.94
13.0-14.0	19.5	0.5	3.7	0.78	5.71
14.0-15.0	19.4	0.5	4.2	0.83	6.55
15.0-16.0	19.4	0.6	4.8	0.89	7.43
16.0-17.0	19.3	0.6	5.4	0.94	8.37
17.0-18.0	19.2	0.6	6.0	0.99	9.36
18.0-19.0	19.1	0.7	6.7	1.04	10.39
19.0-20.0	19.0	0.7	7.4	1.09	11.48
20.0-21.0	18.9	0.7	8.1	1.14	12.62
21.0-22.0	18.8	0.8	8.8	1.18	13.80
22.0-23.0	18.7	0.8	9.6	1.23	15.03
23.0-24.0	18.6	0.8	10.4	1.27	16.30
24.0-25.0	18.5	0.8	11.3	1.31	17.61
25.0-26.0	18.4	0.9	12.2	1.36	18.97
26.0-27.0	18.3	0.9	13.0	1.40	20.36
27.0-28.0	18.1	0.9	14.0	1.43	21.80
28.0-29.0	18.0	0.9	14.9	1.47	23.27
29.0-30.0	17.9	1.0	15.9	1.51	24.77
30.0-31.0	17.7	1.0	16.9	1.54	26.31
31.0-32.0	17.6	1.0	17.9	1.57	27.88
32.0-33.0	17.4	1.0	18.9	1.60	29.48
33.0-34.0	17.3	1.0	19.9	1.63	31.12
34.0-35.0	17.1	1.1	21.0	1.66	32.77
35.0-36.0	16.9	1.1	22.1	1.68	34.46

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	16.8	1.1	23.2	1.71	36.16
37.0-38.0	16.6	1.1	24.3	1.73	37.89
38.0-39.0	16.4	1.1	25.4	1.75	39.64
39.0-40.0	16.2	1.1	26.5	1.77	41.40
40.0-41.0	16.0	1.1	27.7	1.78	43.18
41.0-42.0	15.8	1.2	28.8	1.80	44.98
42.0-43.0	15.6	1.2	30.0	1.81	46.79
43.0-44.0	15.4	1.2	31.1	1.82	48.61
44.0-45.0	15.2	1.2	32.3	1.83	50.44
45.0-46.0	15.0	1.2	33.5	1.83	52.27
46.0-47.0	14.8	1.2	34.7	1.84	54.11
47.0-48.0	14.6	1.2	35.8	1.84	55.95
48.0-49.0	14.3	1.2	37.0	1.84	57.78
49.0-50.0	14.1	1.2	38.2	1.83	59.62
50.0-51.0	13.8	1.2	39.4	1.83	61.45
51.0-52.0	13.6	1.2	40.5	1.82	63.26
52.0-53.0	13.3	1.2	41.7	1.80	65.07
53.0-54.0	13.0	1.1	42.8	1.79	66.86
54.0-55.0	12.7	1.1	44.0	1.77	68.63
55.0-56.0	12.4	1.1	45.1	1.75	70.38
56.0-57.0	12.1	1.1	46.2	1.73	72.10
57.0-58.0	11.8	1.1	47.3	1.70	73.80
58.0-59.0	11.4	1.1	48.4	1.67	75.47
59.0-60.0	11.1	1.0	49.4	1.63	77.10
60.0-61.0	10.7	1.0	50.4	1.60	78.70
61.0-62.0	10.3	1.0	51.4	1.56	80.26
62.0-63.0	10.0	1.0	52.4	1.51	81.77
63.0-64.0	9.6	0.9	53.3	1.47	83.24
64.0-65.0	9.2	0.9	54.2	1.42	84.66
65.0-66.0	8.8	0.9	55.1	1.37	86.03
66.0-67.0	8.4	0.8	56.0	1.31	87.34
67.0-68.0	7.9	0.8	56.8	1.26	88.60
68.0-69.0	7.5	0.8	57.5	1.20	89.80
69.0-70.0	7.1	0.7	58.3	1.14	90.94
70.0-71.0	6.7	0.7	58.9	1.07	92.01
71.0-72.0	6.2	0.6	59.6	1.01	93.02

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	5.8	0.6	60.2	0.94	93.96
73.0-74.0	5.3	0.6	60.8	0.87	94.83
74.0-75.0	4.9	0.5	61.3	0.80	95.63
75.0-76.0	4.4	0.5	61.7	0.73	96.36
76.0-77.0	4.0	0.4	62.2	0.66	97.02
77.0-78.0	3.5	0.4	62.5	0.59	97.61
78.0-79.0	3.1	0.3	62.9	0.52	98.13
79.0-80.0	2.7	0.3	63.2	0.45	98.57
80.0-81.0	2.3	0.2	63.4	0.38	98.96
81.0-82.0	1.9	0.2	63.6	0.31	99.27
82.0-83.0	1.5	0.2	63.8	0.25	99.52
83.0-84.0	1.1	0.1	63.9	0.19	99.71
84.0-85.0	0.8	0.1	64.0	0.14	99.84
85.0-86.0	0.5	0.1	64.0	0.09	99.93
86.0-87.0	0.3	0.0	64.1	0.05	99.97
87.0-88.0	0.1	0.0	64.1	0.02	99.99
88.0-89.0	0.0	0.0	64.1	0.00	100.00
89.0-90.0	0.0	0.0	64.1	0.00	100.00
90.0-91.0	0.0	0.0	64.1	0.00	100.00
91.0-92.0	0.0	0.0	64.1	0.00	100.00
92.0-93.0	0.0	0.0	64.1	0.00	100.00
93.0-94.0	0.0	0.0	64.1	0.00	100.00
94.0-95.0	0.0	0.0	64.1	0.00	100.00
95.0-96.0	0.0	0.0	64.1	0.00	100.00
96.0-97.0	0.0	0.0	64.1	0.00	100.00
97.0-98.0	0.0	0.0	64.1	0.00	100.00
98.0-99.0	0.0	0.0	64.1	0.00	100.00
99.0-100.0	0.0	0.0	64.1	0.00	100.00
100.0-101.0	0.0	0.0	64.1	0.00	100.00
101.0-102.0	0.0	0.0	64.1	0.00	100.00
102.0-103.0	0.0	0.0	64.1	0.00	100.00
103.0-104.0	0.0	0.0	64.1	0.00	100.00
104.0-105.0	0.0	0.0	64.1	0.00	100.00
105.0-106.0	0.0	0.0	64.1	0.00	100.00
106.0-107.0	0.0	0.0	64.1	0.00	100.00
107.0-108.0	0.0	0.0	64.1	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: 9.390 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	64.1	0.00	100.00
109.0-110.0	0.0	0.0	64.1	0.00	100.00
110.0-111.0	0.0	0.0	64.1	0.00	100.00
111.0-112.0	0.0	0.0	64.1	0.00	100.00
112.0-113.0	0.0	0.0	64.1	0.00	100.00
113.0-114.0	0.0	0.0	64.1	0.00	100.00
114.0-115.0	0.0	0.0	64.1	0.00	100.00
115.0-116.0	0.0	0.0	64.1	0.00	100.00
116.0-117.0	0.0	0.0	64.1	0.00	100.00
117.0-118.0	0.0	0.0	64.1	0.00	100.00
118.0-119.0	0.0	0.0	64.1	0.00	100.00
119.0-120.0	0.0	0.0	64.1	0.00	100.00
120.0-121.0	0.0	0.0	64.1	0.00	100.00
121.0-122.0	0.0	0.0	64.1	0.00	100.00
122.0-123.0	0.0	0.0	64.1	0.00	100.00
123.0-124.0	0.0	0.0	64.1	0.00	100.00
124.0-125.0	0.0	0.0	64.1	0.00	100.00
125.0-126.0	0.0	0.0	64.1	0.00	100.00
126.0-127.0	0.0	0.0	64.1	0.00	100.00
127.0-128.0	0.0	0.0	64.1	0.00	100.00
128.0-129.0	0.0	0.0	64.1	0.00	100.00
129.0-130.0	0.0	0.0	64.1	0.00	100.00
130.0-131.0	0.0	0.0	64.1	0.00	100.00
131.0-132.0	0.0	0.0	64.1	0.00	100.00
132.0-133.0	0.0	0.0	64.1	0.00	100.00
133.0-134.0	0.0	0.0	64.1	0.00	100.00
134.0-135.0	0.0	0.0	64.1	0.00	100.00
135.0-136.0	0.0	0.0	64.1	0.00	100.00
136.0-137.0	0.0	0.0	64.1	0.00	100.00
137.0-138.0	0.0	0.0	64.1	0.00	100.00
138.0-139.0	0.0	0.0	64.1	0.00	100.00
139.0-140.0	0.0	0.0	64.1	0.00	100.00
140.0-141.0	0.0	0.0	64.1	0.00	100.00
141.0-142.0	0.0	0.0	64.1	0.00	100.00
142.0-143.0	0.0	0.0	64.1	0.00	100.00
143.0-144.0	0.0	0.0	64.1	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: 9.390 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	64.1	0.00	100.00
145.0-146.0	0.0	0.0	64.1	0.00	100.00
146.0-147.0	0.0	0.0	64.1	0.00	100.00
147.0-148.0	0.0	0.0	64.1	0.00	100.00
148.0-149.0	0.0	0.0	64.1	0.00	100.00
149.0-150.0	0.0	0.0	64.1	0.00	100.00
150.0-151.0	0.0	0.0	64.1	0.00	100.00
151.0-152.0	0.0	0.0	64.1	0.00	100.00
152.0-153.0	0.0	0.0	64.1	0.00	100.00
153.0-154.0	0.0	0.0	64.1	0.00	100.00
154.0-155.0	0.0	0.0	64.1	0.00	100.00
155.0-156.0	0.0	0.0	64.1	0.00	100.00
156.0-157.0	0.0	0.0	64.1	0.00	100.00
157.0-158.0	0.0	0.0	64.1	0.00	100.00
158.0-159.0	0.0	0.0	64.1	0.00	100.00
159.0-160.0	0.0	0.0	64.1	0.00	100.00
160.0-161.0	0.0	0.0	64.1	0.00	100.00
161.0-162.0	0.0	0.0	64.1	0.00	100.00
162.0-163.0	0.0	0.0	64.1	0.00	100.00
163.0-164.0	0.0	0.0	64.1	0.00	100.00
164.0-165.0	0.0	0.0	64.1	0.00	100.00
165.0-166.0	0.0	0.0	64.1	0.00	100.00
166.0-167.0	0.0	0.0	64.1	0.00	100.00
167.0-168.0	0.0	0.0	64.1	0.00	100.00
168.0-169.0	0.0	0.0	64.1	0.00	100.00
169.0-170.0	0.0	0.0	64.1	0.00	100.00
170.0-171.0	0.0	0.0	64.1	0.00	100.00
171.0-172.0	0.0	0.0	64.1	0.00	100.00
172.0-173.0	0.0	0.0	64.1	0.00	100.00
173.0-174.0	0.0	0.0	64.1	0.00	100.00
174.0-175.0	0.0	0.0	64.1	0.00	100.00
175.0-176.0	0.0	0.0	64.1	0.00	100.00
176.0-177.0	0.0	0.0	64.1	0.00	100.00
177.0-178.0	0.0	0.0	64.1	0.00	100.00
178.0-179.0	0.0	0.0	64.1	0.00	100.00
179.0-180.0	0.0	0.0	64.1	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: 9.390 m
Humidity: 60%
Inspector: