

Report No.:

Test Time: 2022/1/6 15:00

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Double Row Ribbonlyte

Luminaire Description: DRRB0RGBWAS22012.0RGB35

Lamp Catalog: 5050-RGBW4IN1

Number of Lamps: 240/M

Luminous Width (mm): 26

Voltage: 24.0 V

Power: 5.59 W

Lamp Description: GREEN

Luminous Length (mm): 500

Luminous Height (mm): 2

Current: 0.233 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 677.7 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H163.8,H126.3

Vertical Diffuse Angle(10%,50%): V163,V123.7

Luminaire Efficacy Rating (LER): 121

Max. Intensity: 207.03 cd

Total Rated Lamp Lumens: 677.7 lm

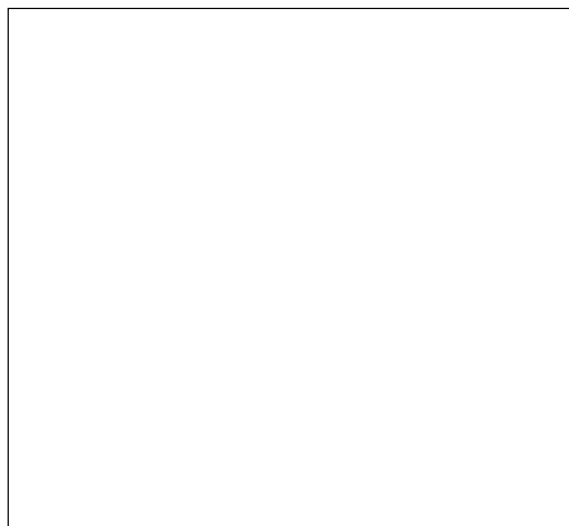
Efficiency: 100%

Upward Ratio: 1%

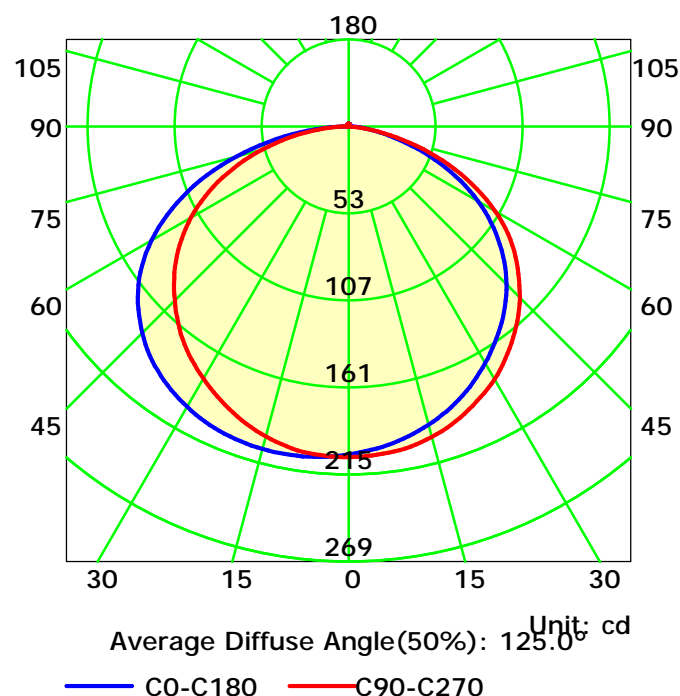
Central Intensity: 202.95 cd

Pos of Max. Intensity: H150 V10

Picture Of Luminaire



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

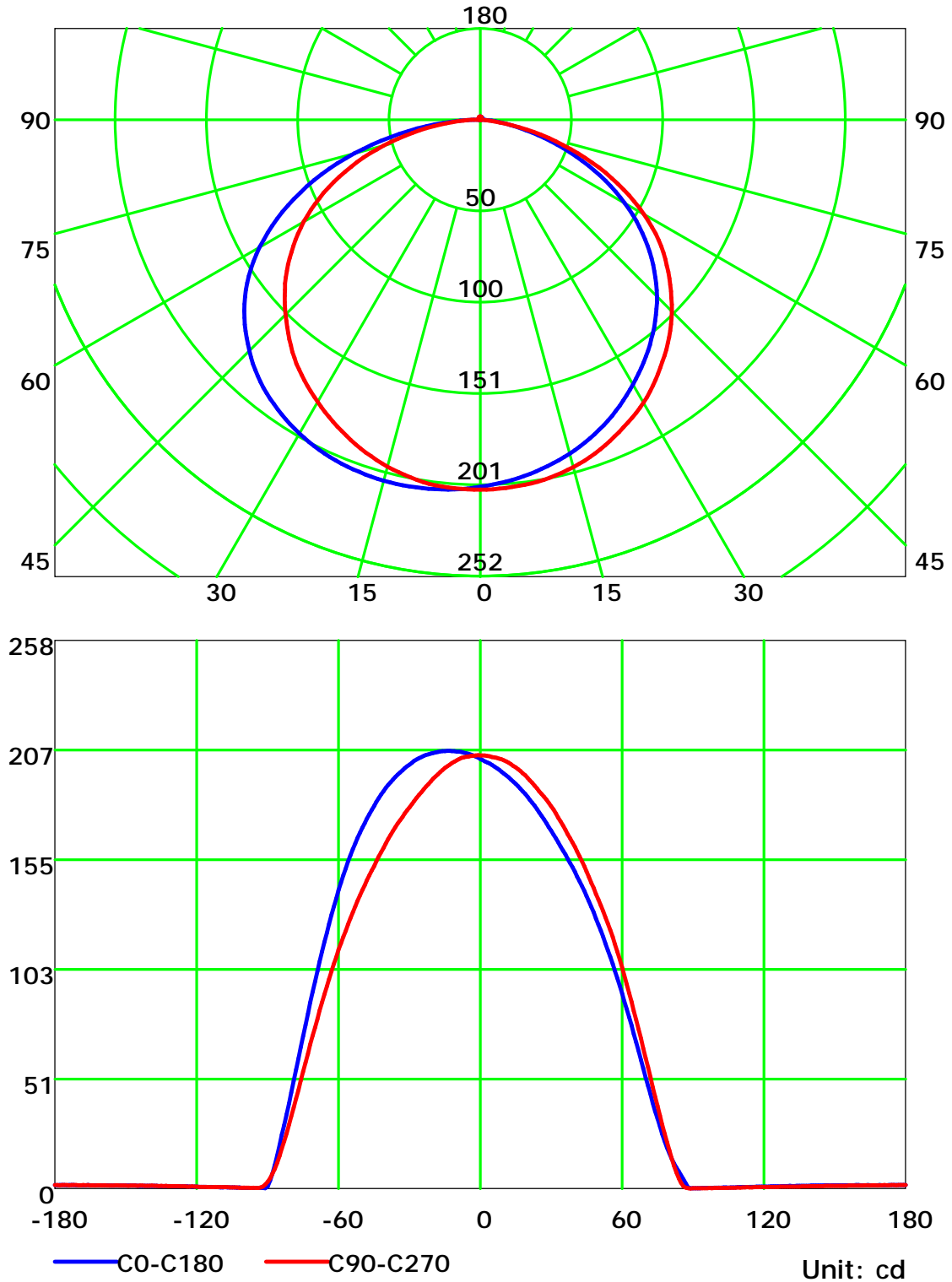
Distance: 9.028 m

Humidity: 60%

Inspector:



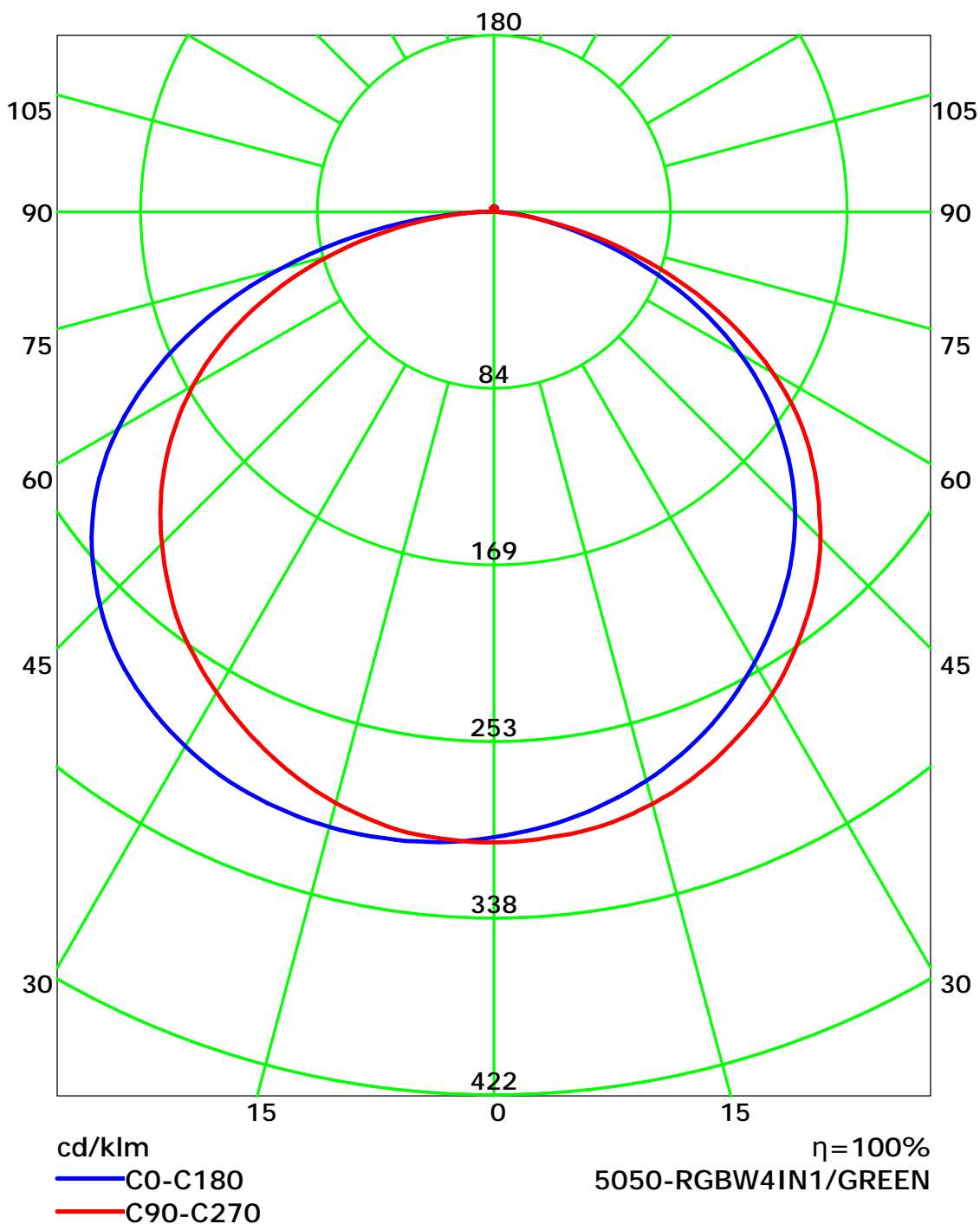
Luminous Intensity Distribution Curve



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:

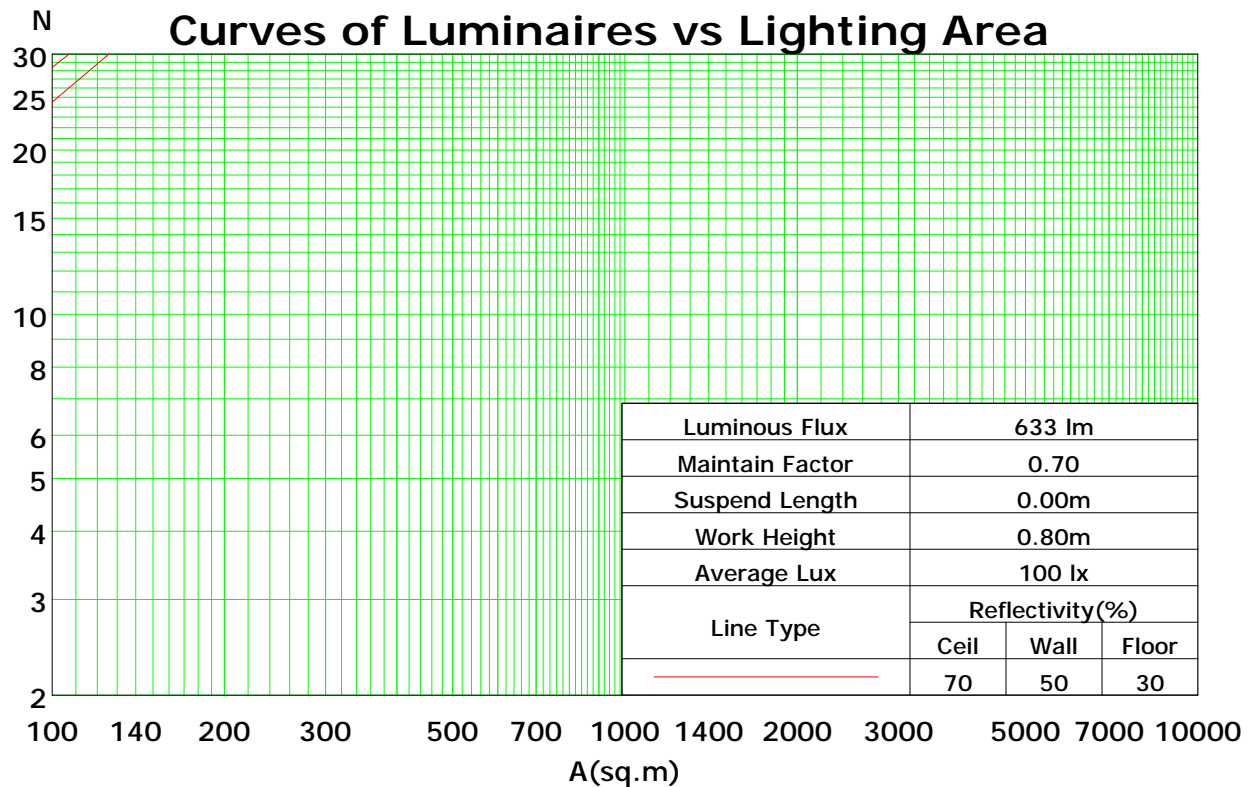
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	103	99	94	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	89	82	76	95	87	81	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	51	45	72	60	51	44	57	50	44	55	48	43	53	47	43	40
6	68	55	45	39	66	53	45	38	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	48	40	34	47	39	33	45	38	33	44	37	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	34	29	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	24	22

Spacing Criteria (0-180): 1.36

Spacing Criteria (90-270): 1.31

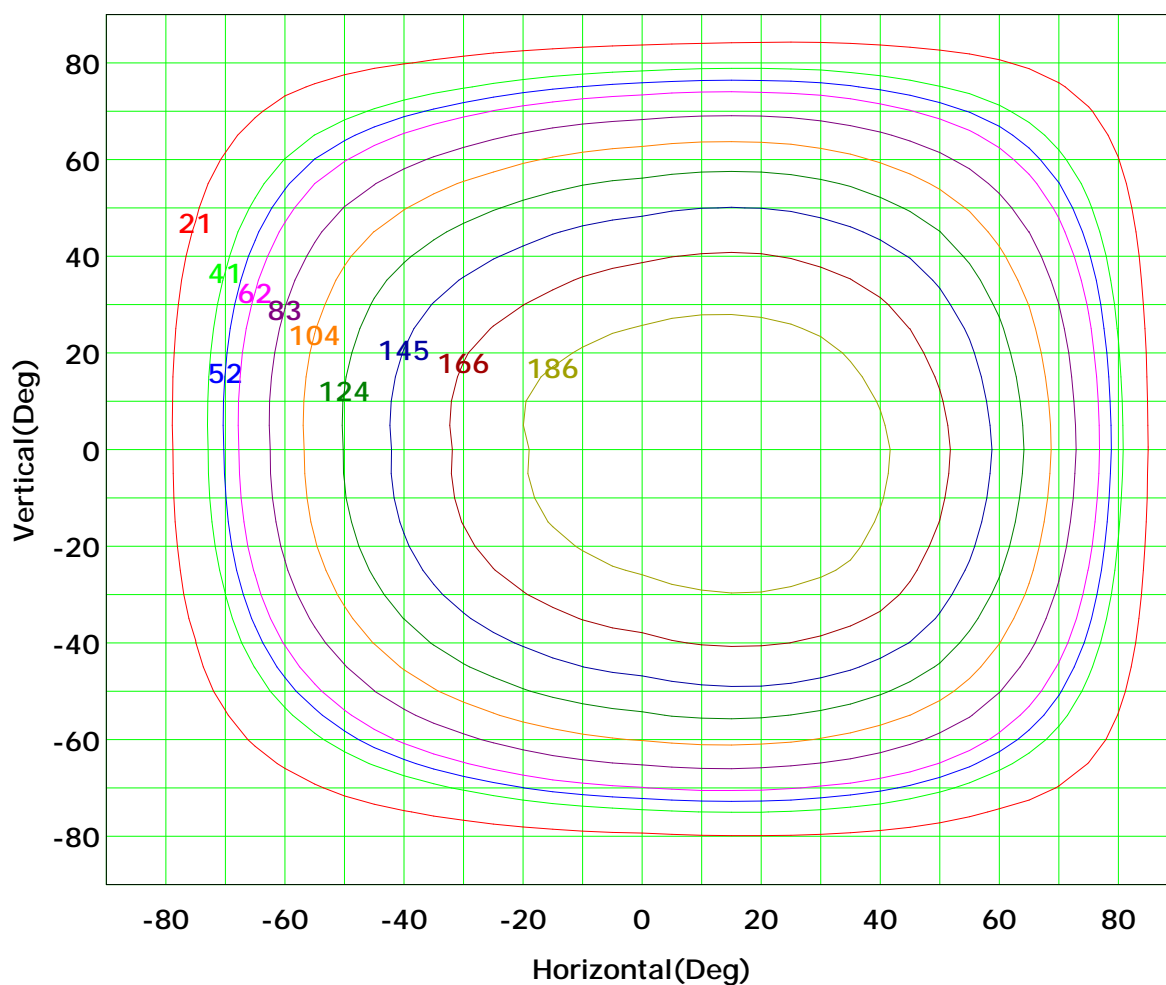
Spacing Criteria (Diagonal): 1.48



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)



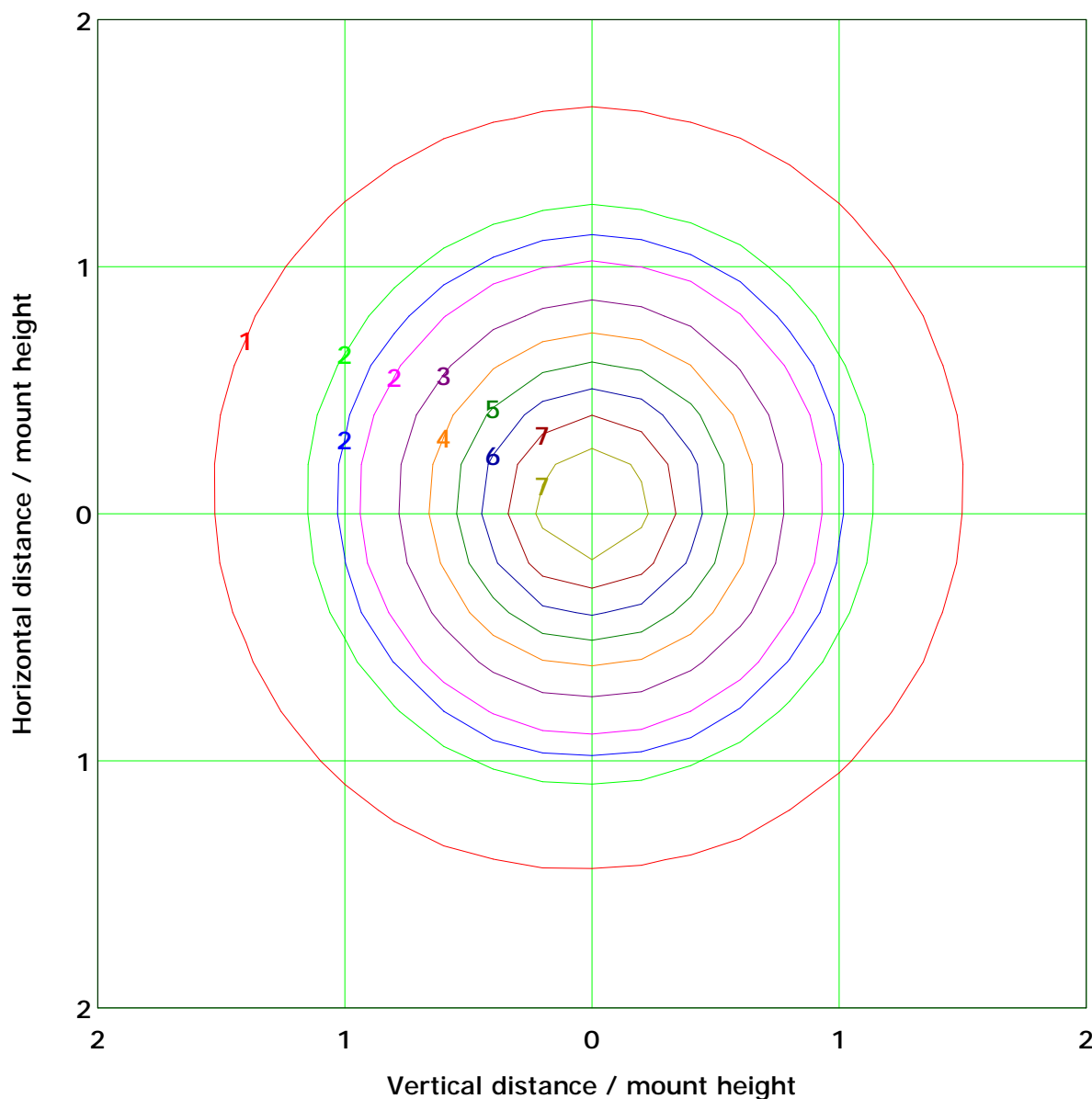
I_{max} (100%): 207 cd

(10%):	21 cd	(20%):	41 cd
(25%):	52 cd	(30%):	62 cd
(40%):	83 cd	(50%):	104 cd
(60%):	124 cd	(70%):	145 cd
(80%):	166 cd	(90%):	186 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%): 8.2 lx

(10%): 0.8 lx	(20%): 1.6 lx
(25%): 2.1 lx	(30%): 2.5 lx
(40%): 3.3 lx	(50%): 4.1 lx
(60%): 4.9 lx	(70%): 5.8 lx
(80%): 6.6 lx	(90%): 7.4 lx

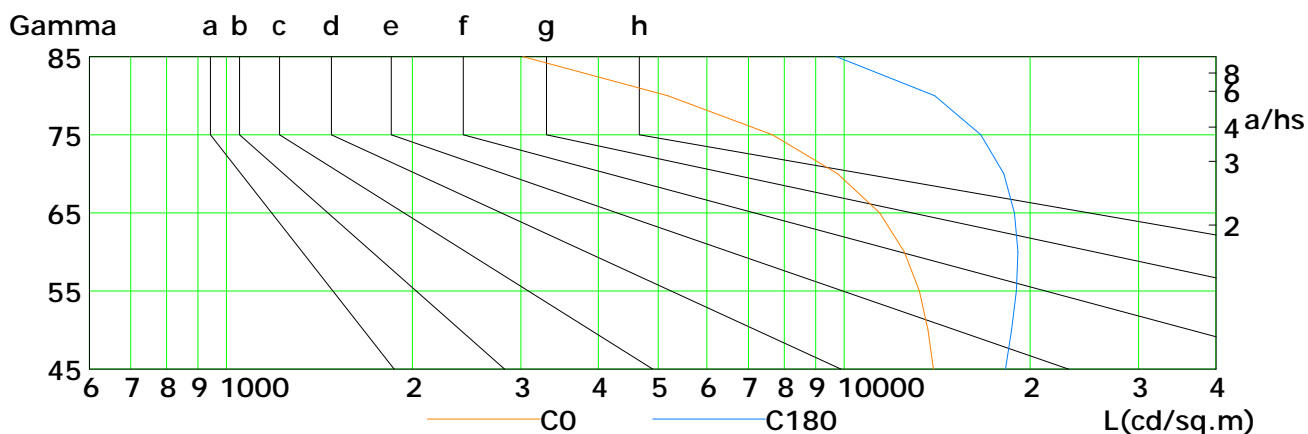
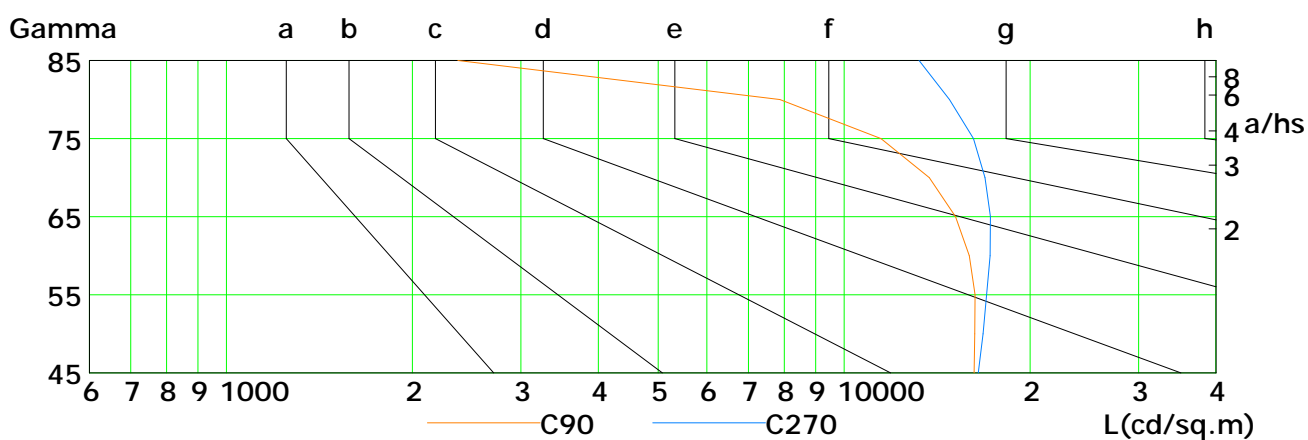
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: JACKY

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

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



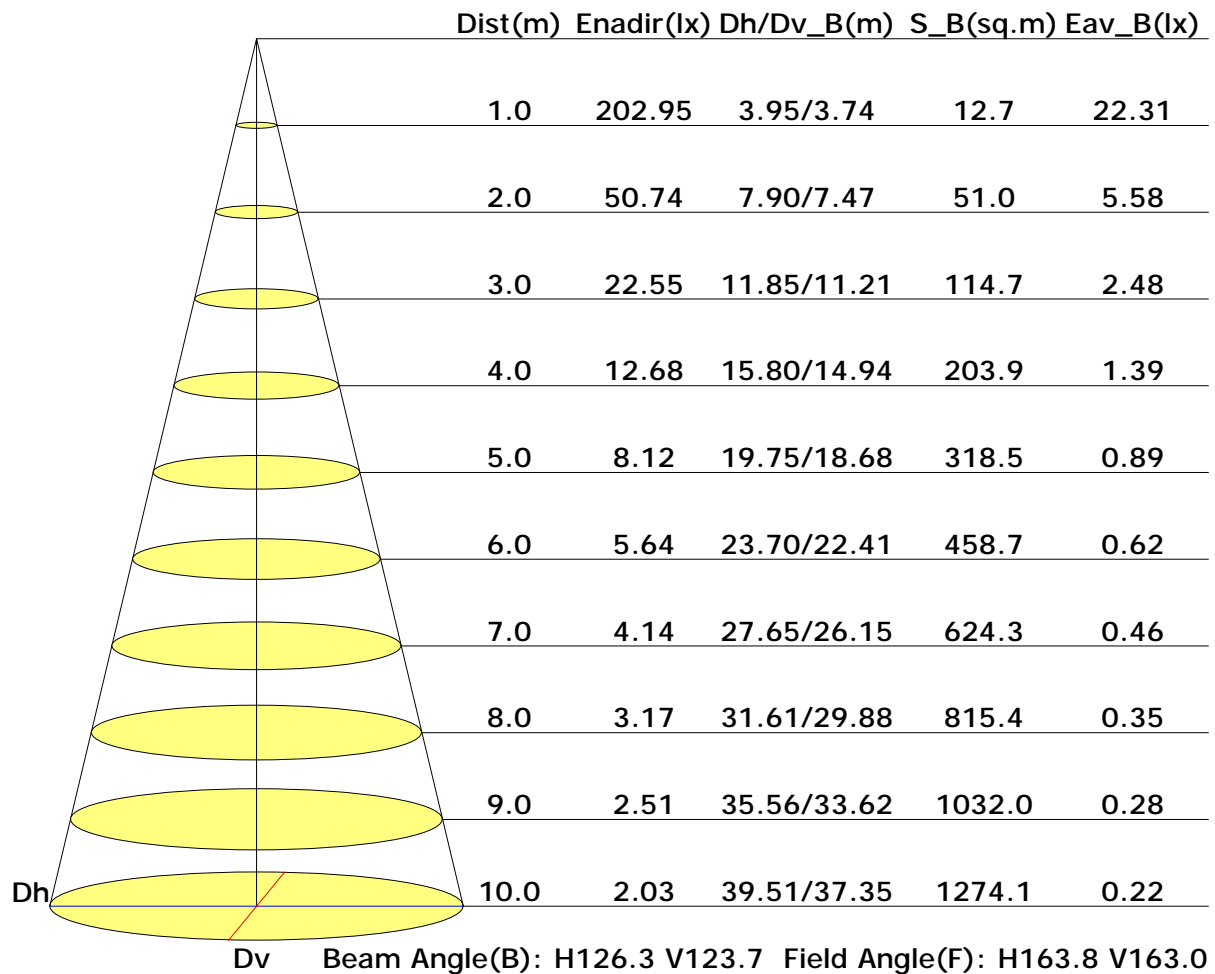
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	13962	13680	13235	12522	11424	9774	7655	5182	3025
C90	16240	16271	16294	15956	15157	13735	11470	7870	2372
C180	18253	18673	19020	19130	18876	18153	16644	14027	9727
C270	16503	16792	17019	17244	17253	16914	16208	14814	13234

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

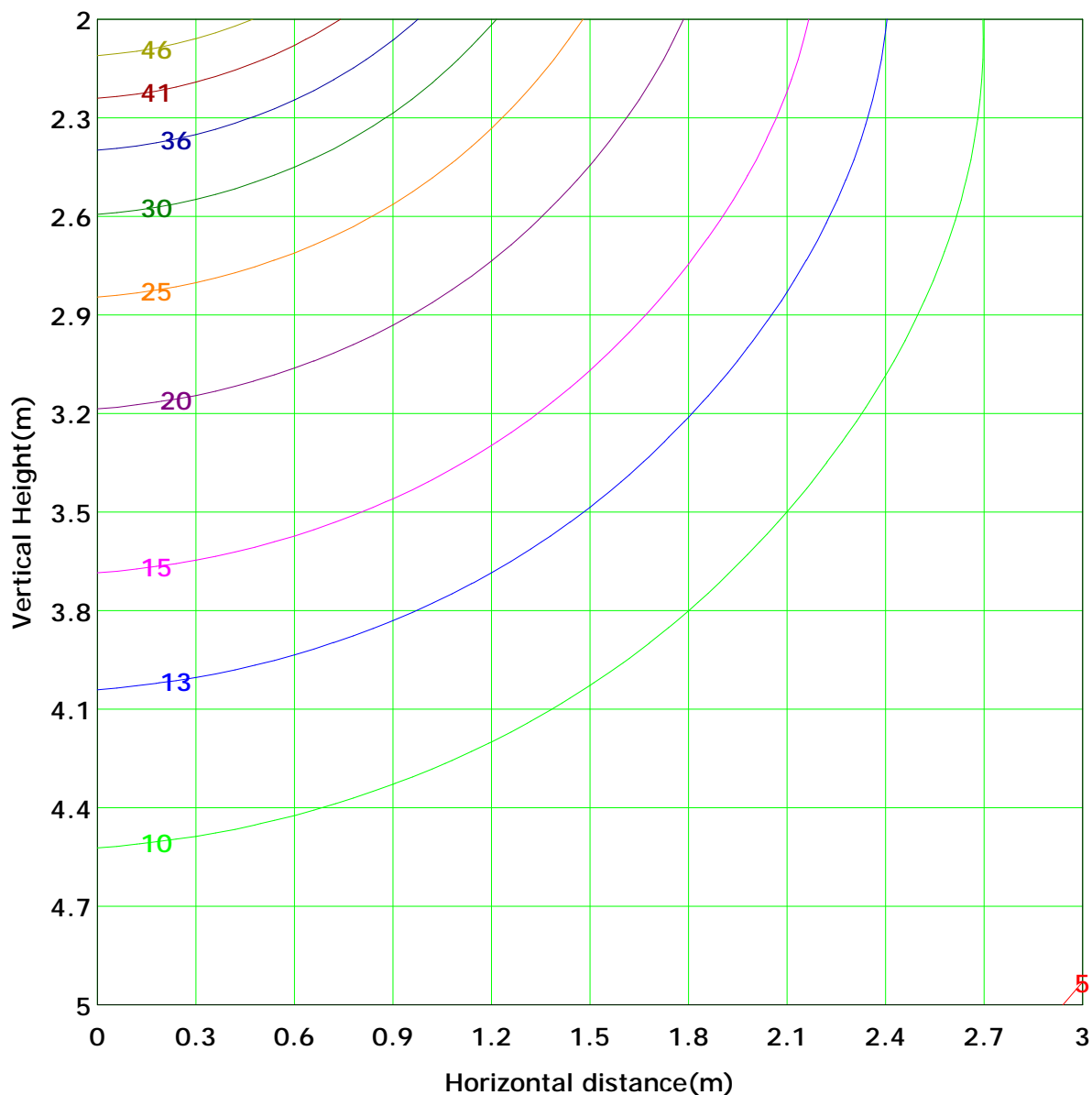
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 50.7 lx
(10%): 5.1 lx	(20%): 10.1 lx	
(25%): 12.7 lx	(30%): 15.2 lx	
(40%): 20.3 lx	(50%): 25.4 lx	
(60%): 30.4 lx	(70%): 35.5 lx	
(80%): 40.6 lx	(90%): 45.7 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: 9.028 m
Humidity: 60%
Inspector:

Area Flux Table

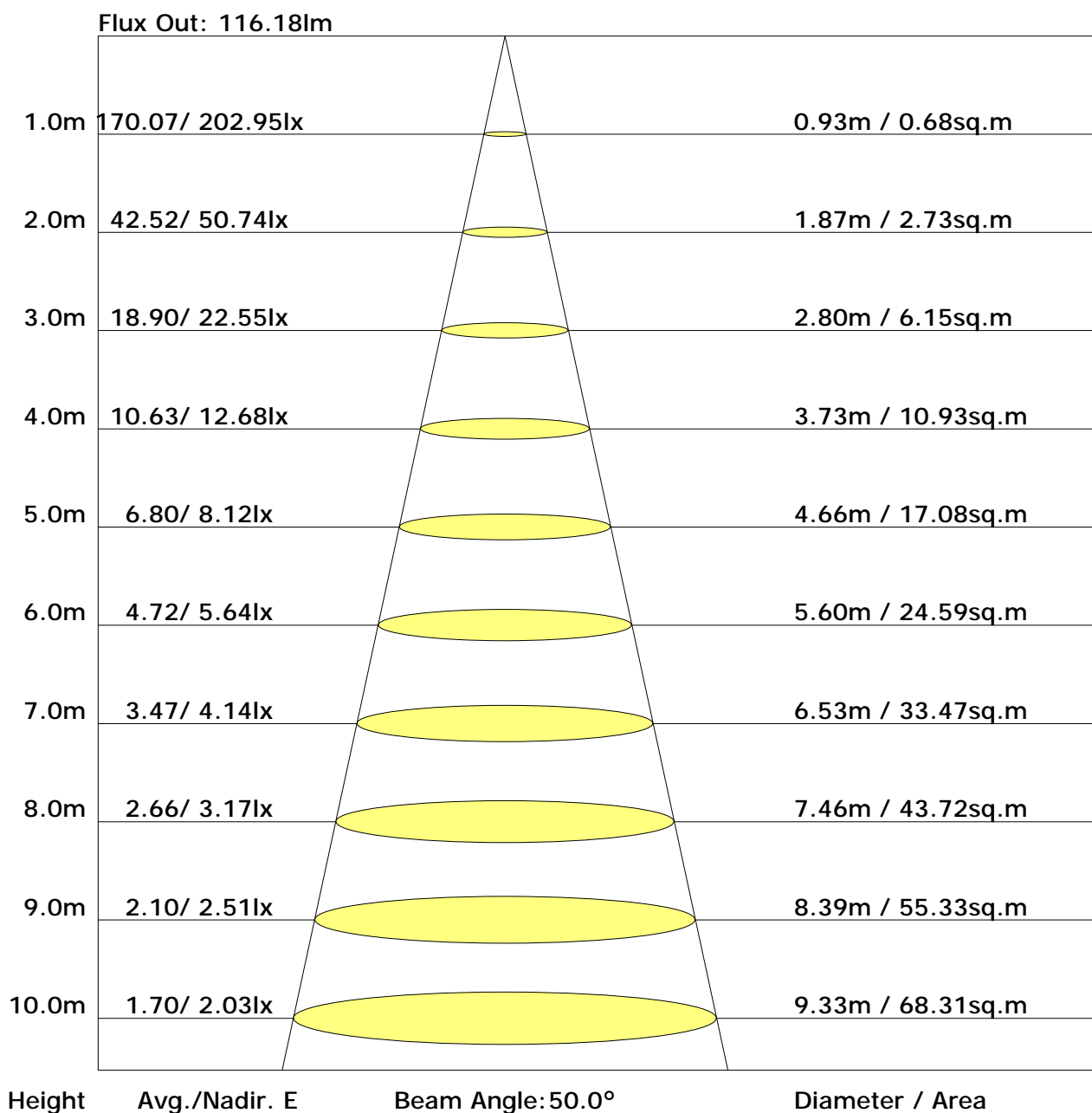
Unit: lm

Flux(E)	Vertical plane																	Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
0.5	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.2	0.3	0.4	0.5
5.9	0.0	0.1	0.4	0.7	1.0	1.3	1.6	1.7	1.7	1.6	1.5	1.2	0.9	0.6	0.4	0.2	0.1	0.0	0.8
16.5	0.0	0.2	0.6	1.1	1.7	2.2	2.7	2.9	2.9	2.8	2.6	2.2	1.5	0.9	0.5	0.2	0.1	0.0	6.2
30.2	0.0	0.3	0.9	1.6	2.3	3.0	3.6	3.9	3.9	3.8	3.6	3.3	2.8	2.2	1.5	0.9	0.5	0.2	16.9
44.3	0.0	0.4	1.1	2.0	2.9	3.7	4.3	4.6	4.6	4.5	4.2	3.8	3.3	2.8	2.2	1.5	0.9	0.5	30.6
56.5	0.0	0.5	1.3	2.3	3.3	4.1	4.8	5.2	5.3	5.1	4.8	4.2	3.7	3.2	2.6	2.0	1.5	0.9	44.6
65.6	0.0	0.6	1.5	2.6	3.7	4.7	5.4	5.6	5.6	5.5	5.2	4.6	4.1	3.6	3.0	2.4	1.8	1.2	56.8
71.0	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	66.0
72.4	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	71.4
70.2	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	72.8
64.8	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	70.7
56.0	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	65.2
45.1	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	56.5
32.7	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	45.6
20.2	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	33.2
9.4	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	20.8
2.1	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	9.9
0.0	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	2.9
0.0	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	0.3
663	0.0	0.6	1.6	2.7	3.9	4.8	5.6	6.0	6.1	6.1	6.0	5.6	5.1	4.6	4.0	3.4	2.8	2.2	671

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

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

The Average Illuminance Effective Figure



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

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

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.4	24.1	22.8	24.4	24.8	22.9	24.6	23.3	24.9	25.3
3H	24.1	25.6	24.5	25.9	26.3	24.5	26.1	24.9	26.4	26.8
4H	24.6	26.0	25.0	26.4	26.8	25.0	26.5	25.4	26.8	27.2
6H	24.9	26.2	25.3	26.6	27.0	25.3	26.6	25.7	27.0	27.4
8H	24.9	26.2	25.4	26.6	27.0	25.3	26.5	25.7	27.0	27.4
12H	25.0	26.2	25.4	26.6	27.0	25.3	26.5	25.7	26.9	27.3
X=4H Y=2H	23.1	24.5	23.5	24.9	25.3	23.7	25.1	24.1	25.5	25.9
3H	24.9	26.1	25.4	26.6	27.0	25.5	26.7	25.9	27.1	27.5
4H	25.5	26.6	26.0	27.1	27.5	26.0	27.1	26.5	27.5	28.0
6H	25.9	26.9	26.4	27.3	27.8	26.3	27.3	26.8	27.7	28.2
8H	26.0	26.9	26.5	27.4	27.9	26.4	27.3	26.8	27.7	28.2
12H	26.1	26.9	26.6	27.4	27.9	26.4	27.2	26.9	27.7	28.2
X=8H Y=4H	25.8	26.7	26.3	27.2	27.7	26.3	27.2	26.8	27.7	28.2
6H	26.3	27.0	26.8	27.6	28.0	26.7	27.4	27.2	28.0	28.4
8H	26.5	27.1	27.0	27.6	28.1	26.8	27.4	27.3	27.9	28.5
12H	26.6	27.1	27.1	27.7	28.2	26.8	27.4	27.3	27.9	28.4
X=12H Y=4H	25.9	26.7	26.3	27.1	27.6	26.4	27.2	26.9	27.7	28.1
6H	26.4	27.0	26.9	27.5	28.1	26.8	27.4	27.3	27.9	28.5
8H	26.5	27.1	27.1	27.6	28.2	26.8	27.4	27.3	27.9	28.5

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 = 1.50								
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	0.57	0.65	0.73	0.79	0.86	0.91	0.95	1.00	1.03
	0.30		0.49	0.58	0.66	0.72	0.80	0.86	0.90	0.95	0.99
	0.20		0.43	0.52	0.60	0.66	0.75	0.81	0.85	0.92	0.96
0.50	0.50	0.20	0.55	0.63	0.71	0.76	0.83	0.88	0.91	0.95	0.98
	0.30		0.48	0.56	0.64	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.43	0.51	0.59	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.54	0.61	0.68	0.73	0.80	0.84	0.87	0.92	0.94
	0.30		0.47	0.55	0.63	0.68	0.75	0.80	0.84	0.89	0.92
	0.20		0.43	0.50	0.58	0.64	0.71	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.40	0.48	0.55	0.60	0.68	0.73	0.77	0.81	0.85
Rating: 6W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	0.99	0.84	0.71	0.62	0.50	0.41	0.35	0.27	0.22
	0.30		0.83	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.21
	0.20		0.71	0.63	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.95	0.81	0.68	0.59	0.47	0.43	0.34	0.26	0.21
	0.30		0.81	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.70	0.62	0.54	0.48	0.40	0.34	0.30	0.23	0.19
0.30	0.50	0.20	0.92	0.78	0.66	0.57	0.45	0.38	0.32	0.25	0.20
	0.30		0.79	0.69	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.69	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.00	0.00	0.00	0.59	0.51	0.44	0.39	0.31	0.26	0.23	0.18	0.14
Rating: 6W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	0.17	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.23	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19	
	0.20		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating: 6W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	204.2	0.2	0.2	0.03	0.03
1.0-2.0	204.2	0.6	0.8	0.09	0.12
2.0-3.0	204.1	1.0	1.8	0.14	0.26
3.0-4.0	204.0	1.4	3.1	0.20	0.46
4.0-5.0	203.8	1.8	4.9	0.26	0.72
5.0-6.0	203.6	2.1	7.0	0.32	1.04
6.0-7.0	203.4	2.5	9.5	0.37	1.41
7.0-8.0	203.1	2.9	12.4	0.43	1.84
8.0-9.0	202.8	3.3	15.7	0.49	2.32
9.0-10.0	202.4	3.7	19.4	0.54	2.86
10.0-11.0	202.0	4.0	23.4	0.60	3.46
11.0-12.0	201.5	4.4	27.8	0.65	4.11
12.0-13.0	201.0	4.8	32.6	0.70	4.81
13.0-14.0	200.4	5.1	37.7	0.76	5.57
14.0-15.0	199.7	5.5	43.2	0.81	6.38
15.0-16.0	199.0	5.8	49.1	0.86	7.24
16.0-17.0	198.3	6.2	55.2	0.91	8.15
17.0-18.0	197.5	6.5	61.7	0.96	9.11
18.0-19.0	196.7	6.8	68.6	1.01	10.12
19.0-20.0	195.8	7.2	75.8	1.06	11.18
20.0-21.0	194.9	7.5	83.2	1.10	12.28
21.0-22.0	193.9	7.8	91.0	1.15	13.43
22.0-23.0	192.8	8.1	99.1	1.19	14.63
23.0-24.0	191.7	8.4	107.5	1.24	15.86
24.0-25.0	190.6	8.7	116.2	1.28	17.14
25.0-26.0	189.4	8.9	125.1	1.32	18.46
26.0-27.0	188.2	9.2	134.3	1.36	19.82
27.0-28.0	187.0	9.5	143.8	1.40	21.22
28.0-29.0	185.7	9.7	153.5	1.43	22.65
29.0-30.0	184.3	10.0	163.5	1.47	24.12
30.0-31.0	182.9	10.2	173.6	1.50	25.62
31.0-32.0	181.5	10.4	184.0	1.53	27.16
32.0-33.0	180.0	10.6	194.6	1.57	28.72
33.0-34.0	178.5	10.8	205.5	1.59	30.32
34.0-35.0	176.9	11.0	216.4	1.62	31.94
35.0-36.0	175.3	11.2	227.6	1.65	33.59

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	173.6	11.3	238.9	1.67	35.26
37.0-38.0	171.8	11.5	250.4	1.69	36.95
38.0-39.0	170.0	11.6	262.0	1.71	38.66
39.0-40.0	168.2	11.7	273.7	1.73	40.39
40.0-41.0	166.3	11.8	285.6	1.75	42.14
41.0-42.0	164.3	11.9	297.5	1.76	43.90
42.0-43.0	162.3	12.0	309.5	1.77	45.68
43.0-44.0	160.1	12.1	321.6	1.78	47.46
44.0-45.0	157.9	12.1	333.8	1.79	49.25
45.0-46.0	155.7	12.2	345.9	1.80	51.05
46.0-47.0	153.4	12.2	358.1	1.80	52.85
47.0-48.0	151.0	12.2	370.3	1.80	54.65
48.0-49.0	148.5	12.2	382.5	1.80	56.45
49.0-50.0	146.0	12.2	394.7	1.80	58.25
50.0-51.0	143.4	12.1	406.9	1.79	60.04
51.0-52.0	140.7	12.1	418.9	1.78	61.82
52.0-53.0	137.9	12.0	430.9	1.77	63.59
53.0-54.0	135.1	11.9	442.8	1.76	65.35
54.0-55.0	132.1	11.8	454.6	1.74	67.09
55.0-56.0	129.0	11.7	466.3	1.72	68.81
56.0-57.0	125.9	11.5	477.8	1.70	70.51
57.0-58.0	122.6	11.3	489.1	1.67	72.18
58.0-59.0	119.2	11.1	500.3	1.64	73.82
59.0-60.0	115.7	10.9	511.2	1.61	75.44
60.0-61.0	112.0	10.7	521.9	1.58	77.01
61.0-62.0	108.3	10.4	532.3	1.54	78.55
62.0-63.0	104.5	10.2	542.5	1.50	80.05
63.0-64.0	100.5	9.9	552.4	1.46	81.51
64.0-65.0	96.5	9.5	561.9	1.41	82.92
65.0-66.0	92.4	9.2	571.1	1.36	84.28
66.0-67.0	88.1	8.9	580.0	1.31	85.59
67.0-68.0	83.8	8.5	588.5	1.25	86.84
68.0-69.0	79.5	8.1	596.6	1.20	88.04
69.0-70.0	75.0	7.7	604.3	1.14	89.17
70.0-71.0	70.6	7.3	611.6	1.08	90.25
71.0-72.0	66.1	6.9	618.5	1.01	91.27

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	61.6	6.4	624.9	0.95	92.22
73.0-74.0	57.0	6.0	630.9	0.89	93.10
74.0-75.0	52.5	5.6	636.5	0.82	93.92
75.0-76.0	48.0	5.1	641.6	0.75	94.67
76.0-77.0	43.6	4.6	646.2	0.69	95.36
77.0-78.0	39.2	4.2	650.4	0.62	95.98
78.0-79.0	34.9	3.8	654.2	0.55	96.53
79.0-80.0	30.7	3.3	657.5	0.49	97.02
80.0-81.0	26.7	2.9	660.4	0.43	97.45
81.0-82.0	22.8	2.5	662.9	0.37	97.81
82.0-83.0	19.2	2.1	664.9	0.31	98.12
83.0-84.0	15.8	1.7	666.7	0.25	98.37
84.0-85.0	12.6	1.4	668.0	0.20	98.58
85.0-86.0	9.7	1.1	669.1	0.16	98.73
86.0-87.0	7.2	0.8	669.9	0.12	98.85
87.0-88.0	5.1	0.6	670.4	0.08	98.93
88.0-89.0	3.5	0.4	670.8	0.06	98.99
89.0-90.0	2.3	0.2	671.1	0.04	99.02
90.0-91.0	1.4	0.2	671.2	0.02	99.05
91.0-92.0	0.8	0.1	671.3	0.01	99.06
92.0-93.0	0.5	0.1	671.4	0.01	99.07
93.0-94.0	0.4	0.0	671.4	0.01	99.07
94.0-95.0	0.4	0.0	671.5	0.01	99.08
95.0-96.0	0.4	0.0	671.5	0.01	99.09
96.0-97.0	0.5	0.0	671.6	0.01	99.10
97.0-98.0	0.5	0.1	671.6	0.01	99.10
98.0-99.0	0.5	0.1	671.7	0.01	99.11
99.0-100.0	0.5	0.1	671.7	0.01	99.12
100.0-101.0	0.6	0.1	671.8	0.01	99.13
101.0-102.0	0.6	0.1	671.8	0.01	99.14
102.0-103.0	0.6	0.1	671.9	0.01	99.15
103.0-104.0	0.6	0.1	672.0	0.01	99.16
104.0-105.0	0.6	0.1	672.0	0.01	99.17
105.0-106.0	0.7	0.1	672.1	0.01	99.18
106.0-107.0	0.7	0.1	672.2	0.01	99.19
107.0-108.0	0.7	0.1	672.3	0.01	99.20

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.7	0.1	672.3	0.01	99.21
109.0-110.0	0.8	0.1	672.4	0.01	99.22
110.0-111.0	0.8	0.1	672.5	0.01	99.23
111.0-112.0	0.8	0.1	672.6	0.01	99.25
112.0-113.0	0.8	0.1	672.7	0.01	99.26
113.0-114.0	0.9	0.1	672.7	0.01	99.27
114.0-115.0	0.9	0.1	672.8	0.01	99.28
115.0-116.0	0.9	0.1	672.9	0.01	99.30
116.0-117.0	0.9	0.1	673.0	0.01	99.31
117.0-118.0	1.0	0.1	673.1	0.01	99.33
118.0-119.0	1.0	0.1	673.2	0.01	99.34
119.0-120.0	1.0	0.1	673.3	0.01	99.35
120.0-121.0	1.0	0.1	673.4	0.01	99.37
121.0-122.0	1.1	0.1	673.5	0.01	99.38
122.0-123.0	1.1	0.1	673.6	0.01	99.40
123.0-124.0	1.1	0.1	673.7	0.01	99.41
124.0-125.0	1.1	0.1	673.8	0.01	99.43
125.0-126.0	1.1	0.1	673.9	0.02	99.44
126.0-127.0	1.2	0.1	674.0	0.02	99.46
127.0-128.0	1.2	0.1	674.1	0.02	99.47
128.0-129.0	1.2	0.1	674.2	0.02	99.49
129.0-130.0	1.2	0.1	674.3	0.02	99.50
130.0-131.0	1.3	0.1	674.4	0.02	99.52
131.0-132.0	1.3	0.1	674.5	0.02	99.53
132.0-133.0	1.3	0.1	674.6	0.02	99.55
133.0-134.0	1.3	0.1	674.7	0.02	99.56
134.0-135.0	1.3	0.1	674.8	0.02	99.58
135.0-136.0	1.3	0.1	674.9	0.02	99.60
136.0-137.0	1.4	0.1	675.0	0.02	99.61
137.0-138.0	1.4	0.1	675.1	0.02	99.63
138.0-139.0	1.4	0.1	675.2	0.01	99.64
139.0-140.0	1.4	0.1	675.3	0.01	99.66
140.0-141.0	1.4	0.1	675.4	0.01	99.67
141.0-142.0	1.4	0.1	675.5	0.01	99.68
142.0-143.0	1.5	0.1	675.6	0.01	99.70
143.0-144.0	1.5	0.1	675.7	0.01	99.71

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.5	0.1	675.8	0.01	99.73
145.0-146.0	1.5	0.1	675.9	0.01	99.74
146.0-147.0	1.5	0.1	676.0	0.01	99.75
147.0-148.0	1.5	0.1	676.1	0.01	99.77
148.0-149.0	1.5	0.1	676.2	0.01	99.78
149.0-150.0	1.6	0.1	676.3	0.01	99.79
150.0-151.0	1.6	0.1	676.4	0.01	99.81
151.0-152.0	1.6	0.1	676.4	0.01	99.82
152.0-153.0	1.6	0.1	676.5	0.01	99.83
153.0-154.0	1.6	0.1	676.6	0.01	99.84
154.0-155.0	1.6	0.1	676.7	0.01	99.85
155.0-156.0	1.6	0.1	676.8	0.01	99.86
156.0-157.0	1.6	0.1	676.8	0.01	99.87
157.0-158.0	1.6	0.1	676.9	0.01	99.88
158.0-159.0	1.7	0.1	677.0	0.01	99.89
159.0-160.0	1.7	0.1	677.0	0.01	99.90
160.0-161.0	1.7	0.1	677.1	0.01	99.91
161.0-162.0	1.7	0.1	677.1	0.01	99.92
162.0-163.0	1.7	0.1	677.2	0.01	99.93
163.0-164.0	1.7	0.1	677.3	0.01	99.94
164.0-165.0	1.7	0.0	677.3	0.01	99.94
165.0-166.0	1.7	0.0	677.4	0.01	99.95
166.0-167.0	1.7	0.0	677.4	0.01	99.96
167.0-168.0	1.7	0.0	677.4	0.01	99.96
168.0-169.0	1.7	0.0	677.5	0.01	99.97
169.0-170.0	1.7	0.0	677.5	0.01	99.97
170.0-171.0	1.8	0.0	677.5	0.00	99.98
171.0-172.0	1.8	0.0	677.6	0.00	99.98
172.0-173.0	1.8	0.0	677.6	0.00	99.99
173.0-174.0	1.8	0.0	677.6	0.00	99.99
174.0-175.0	1.8	0.0	677.6	0.00	99.99
175.0-176.0	1.8	0.0	677.7	0.00	100.00
176.0-177.0	1.8	0.0	677.7	0.00	100.00
177.0-178.0	1.8	0.0	677.7	0.00	100.00
178.0-179.0	1.8	0.0	677.7	0.00	100.00
179.0-180.0	1.8	0.0	677.7	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: 9.028 m
Humidity: 60%
Inspector: