

Report No.:

Test Time: 2023/2/21 11:37

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: WALL WASHER

Luminaire Description: FORTEACNS12RGBW4025-BLUE ON

Luminous Length (mm): 330

Luminous Width (mm): 96

Luminous Height (mm): 162.5

Voltage: 219.3 V

Current: 0.107 A

Power: 9.62 W

Power Factor: 0.410

Photometric Results

CIE Class: Direct

Measurement Flux: 157.1 lm

Downward Ratio: 93%

Horizontal Diffuse Angle(10%,50%): H63.4,H27.2

Vertical Diffuse Angle(10%,50%): V60.6,V26.3

Luminaire Efficacy Rating (LER): 16

Max. Intensity: 372.34 cd

Total Rated Lamp Lumens: 157.1 lm

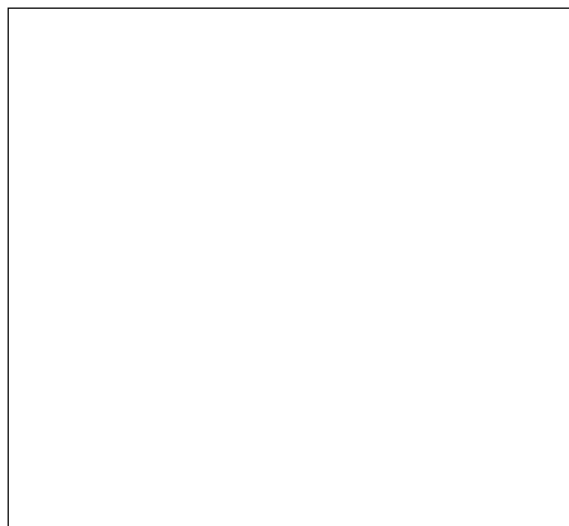
Efficiency: 100%

Upward Ratio: 7%

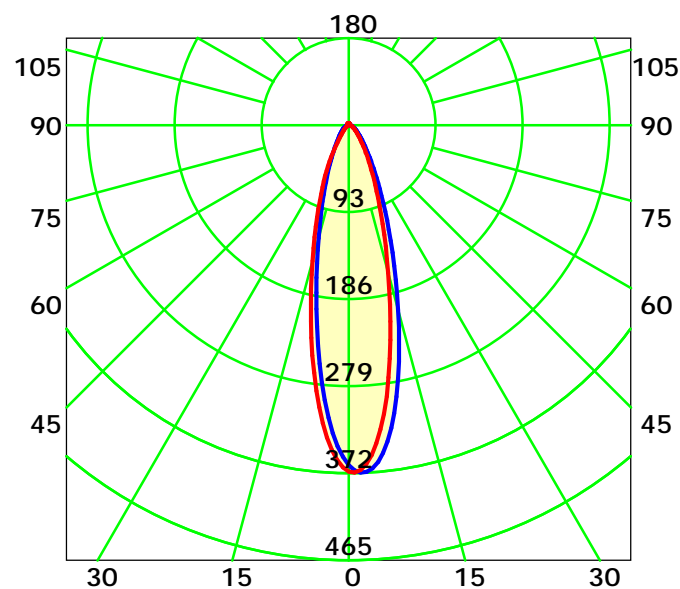
Central Intensity: 363.45 cd

Pos of Max. Intensity: H150 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 26.8° Unit: cd

— C0-C180 — C90-C270

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

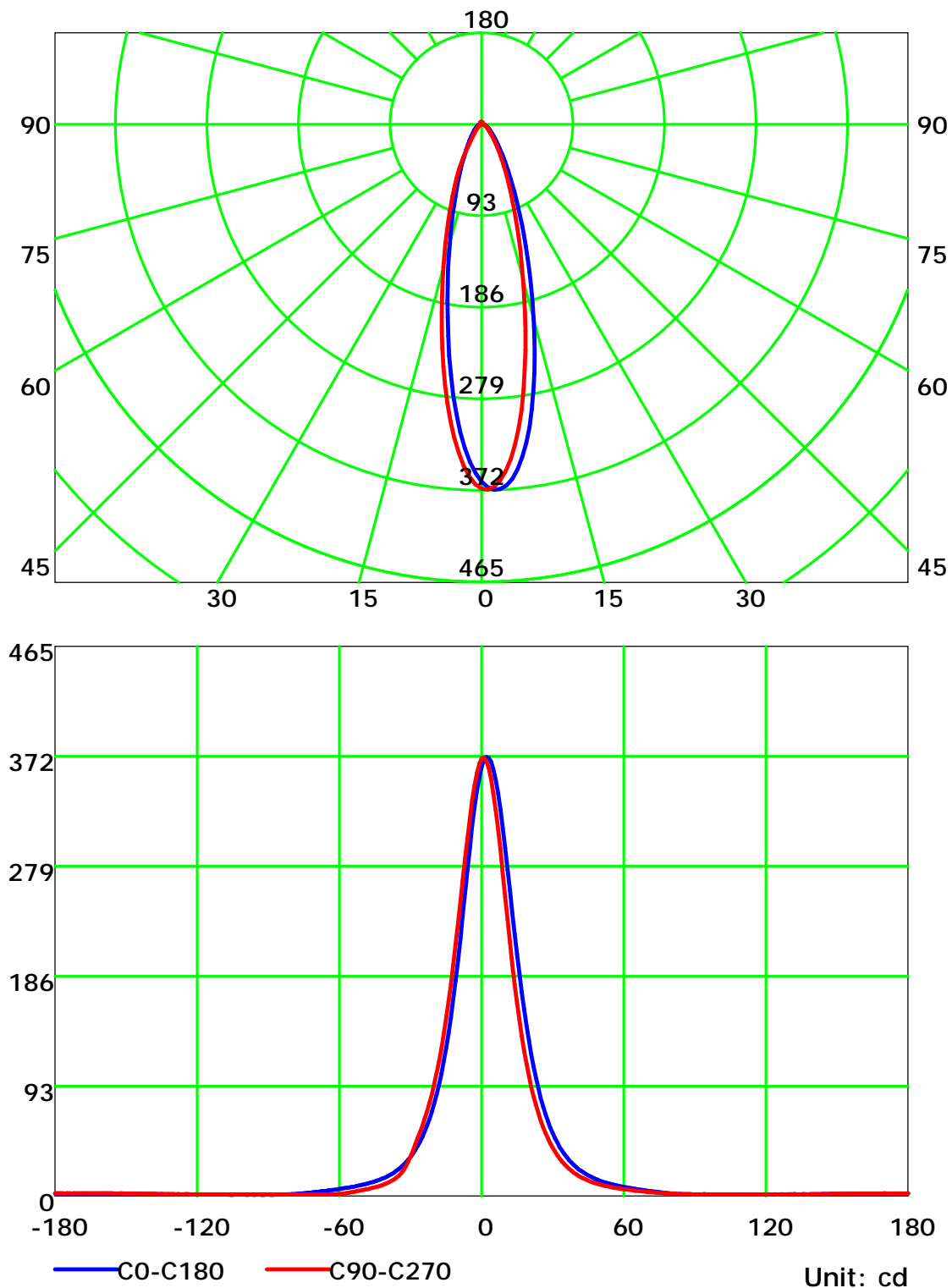
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

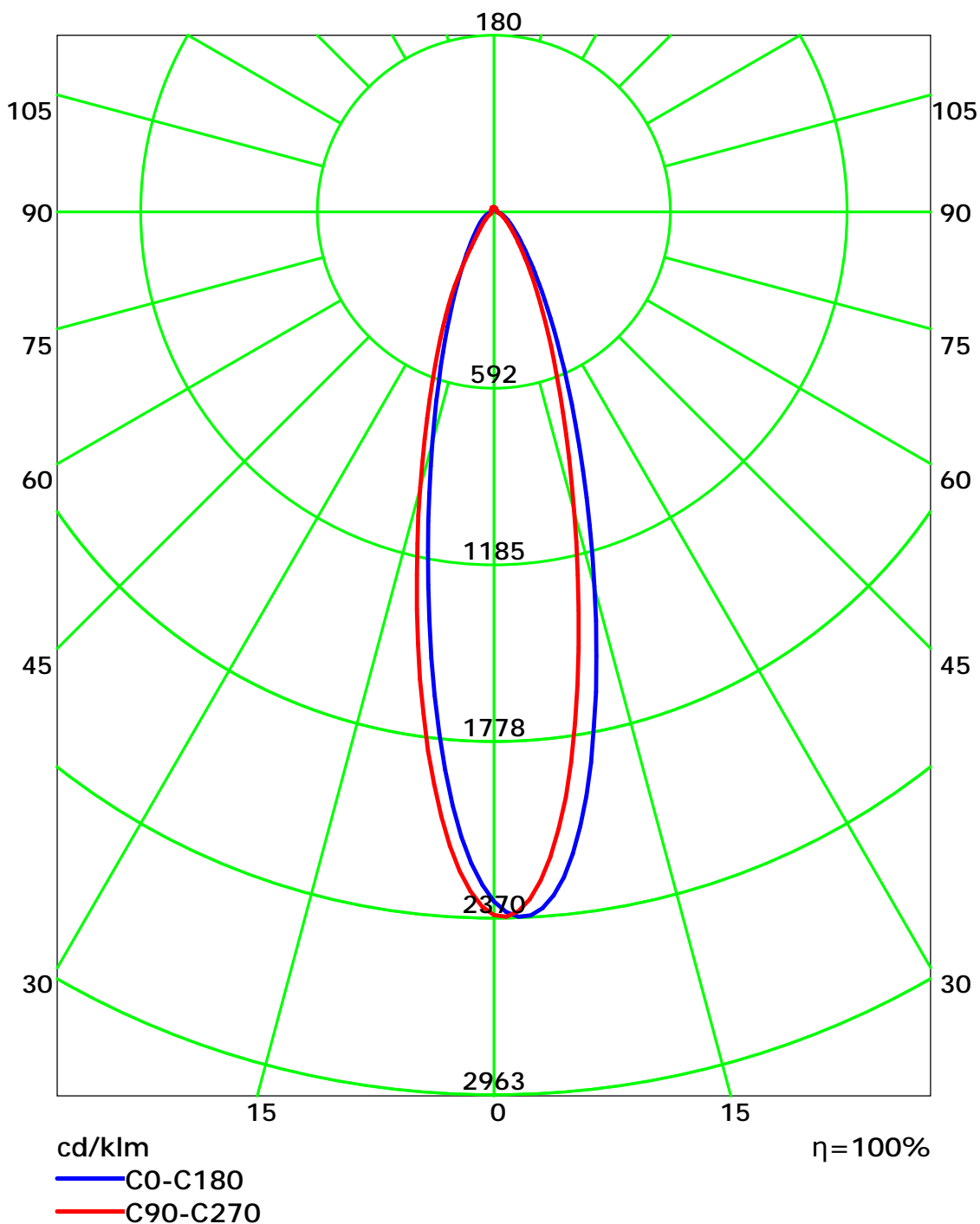
Luminous Intensity Distribution Curve



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:

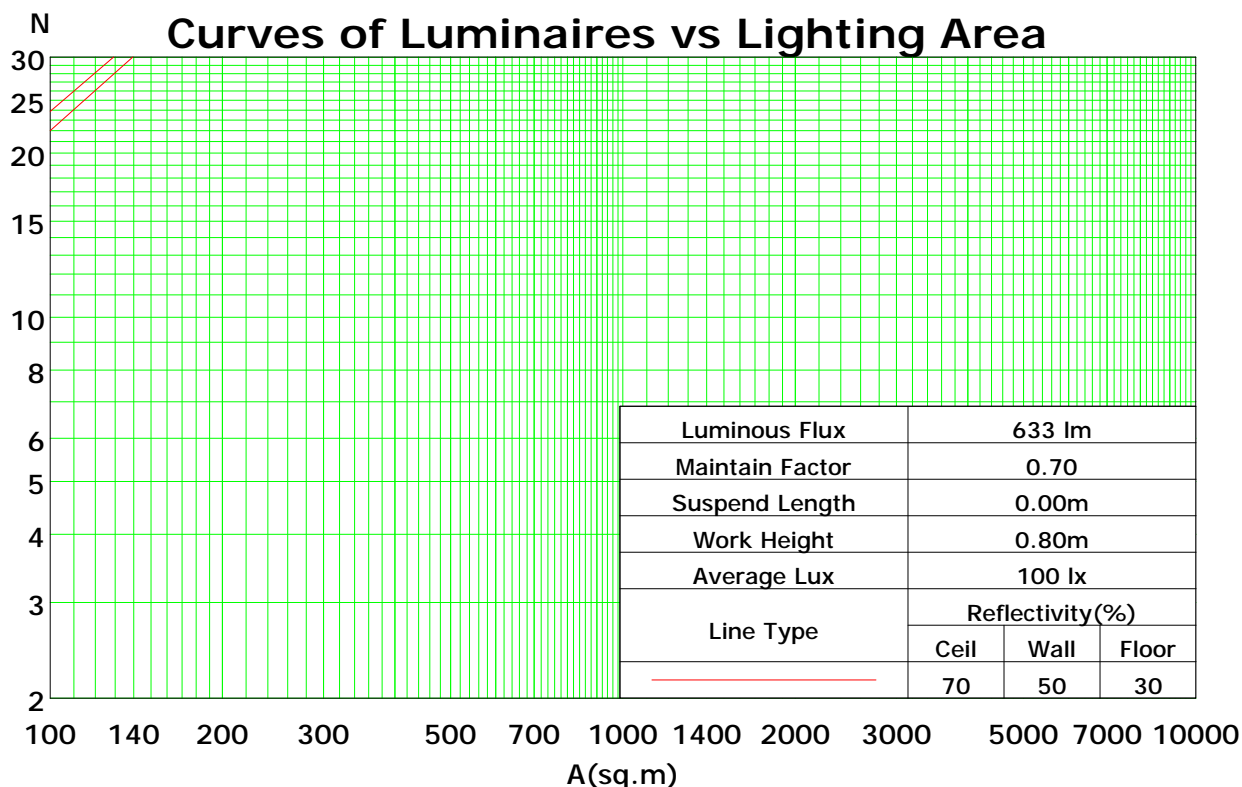
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	93
1	111	108	105	102	108	105	102	100	99	97	95	94	93	91	90	89	87	85
2	105	99	95	91	102	97	93	90	93	89	86	88	86	84	85	83	81	79
3	99	92	87	83	97	90	85	82	87	83	79	83	80	77	80	77	75	73
4	94	86	80	76	92	85	79	75	81	77	73	79	75	72	76	73	70	68
5	90	81	75	71	87	80	74	70	77	72	69	75	70	67	72	69	66	64
6	85	76	70	66	83	75	70	65	73	68	64	71	67	63	69	65	62	61
7	82	72	66	62	80	71	66	62	69	64	61	67	63	60	66	62	59	58
8	78	69	63	59	76	68	62	58	66	61	58	64	60	57	63	59	56	55
9	75	65	60	56	73	65	59	55	63	58	55	62	57	54	60	57	54	52
10	72	62	57	53	70	62	56	53	60	56	52	59	55	52	58	54	51	50

Spacing Criteria (0-180): 0.46

Spacing Criteria (90-270): 0.44

Spacing Criteria (Diagonal): 0.49



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

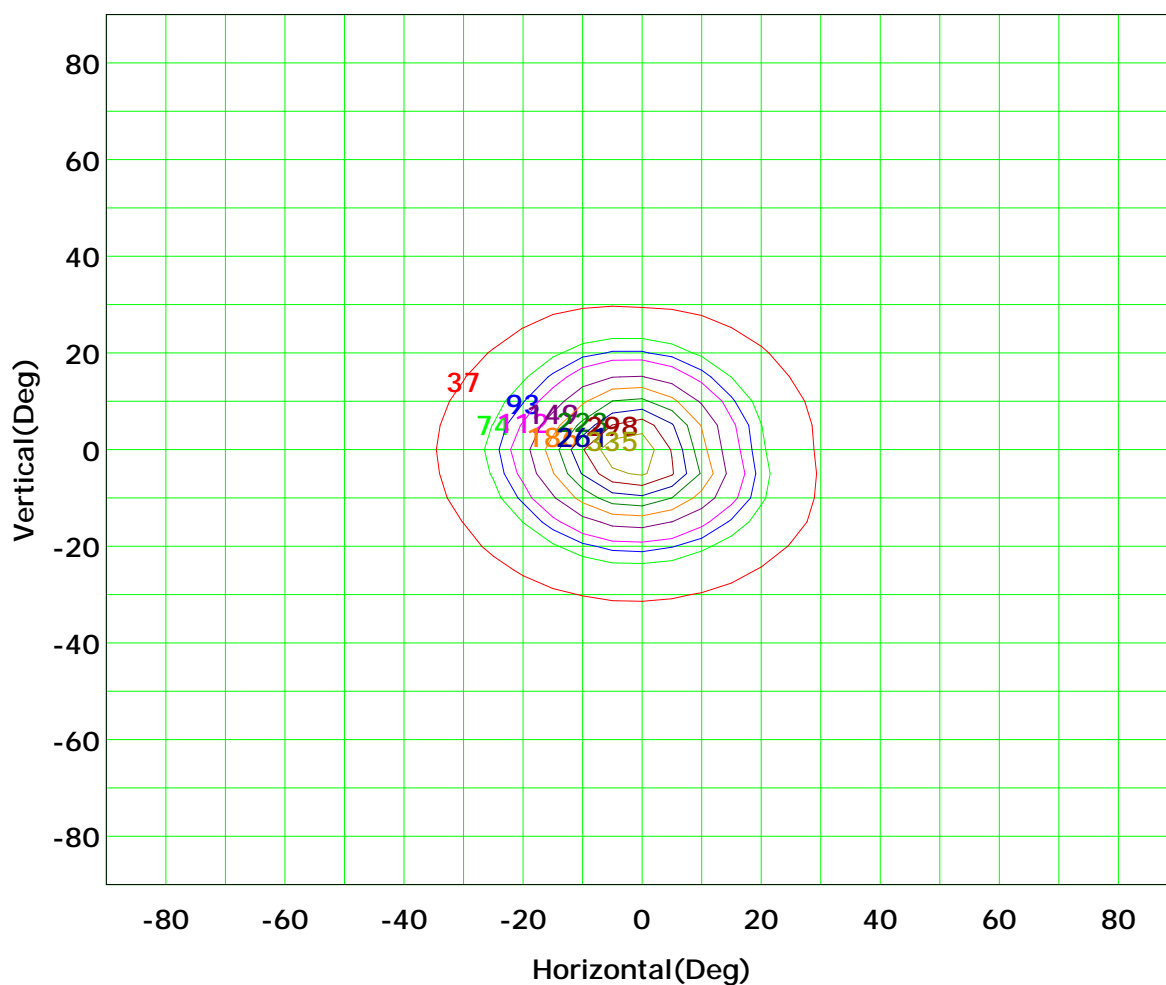
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



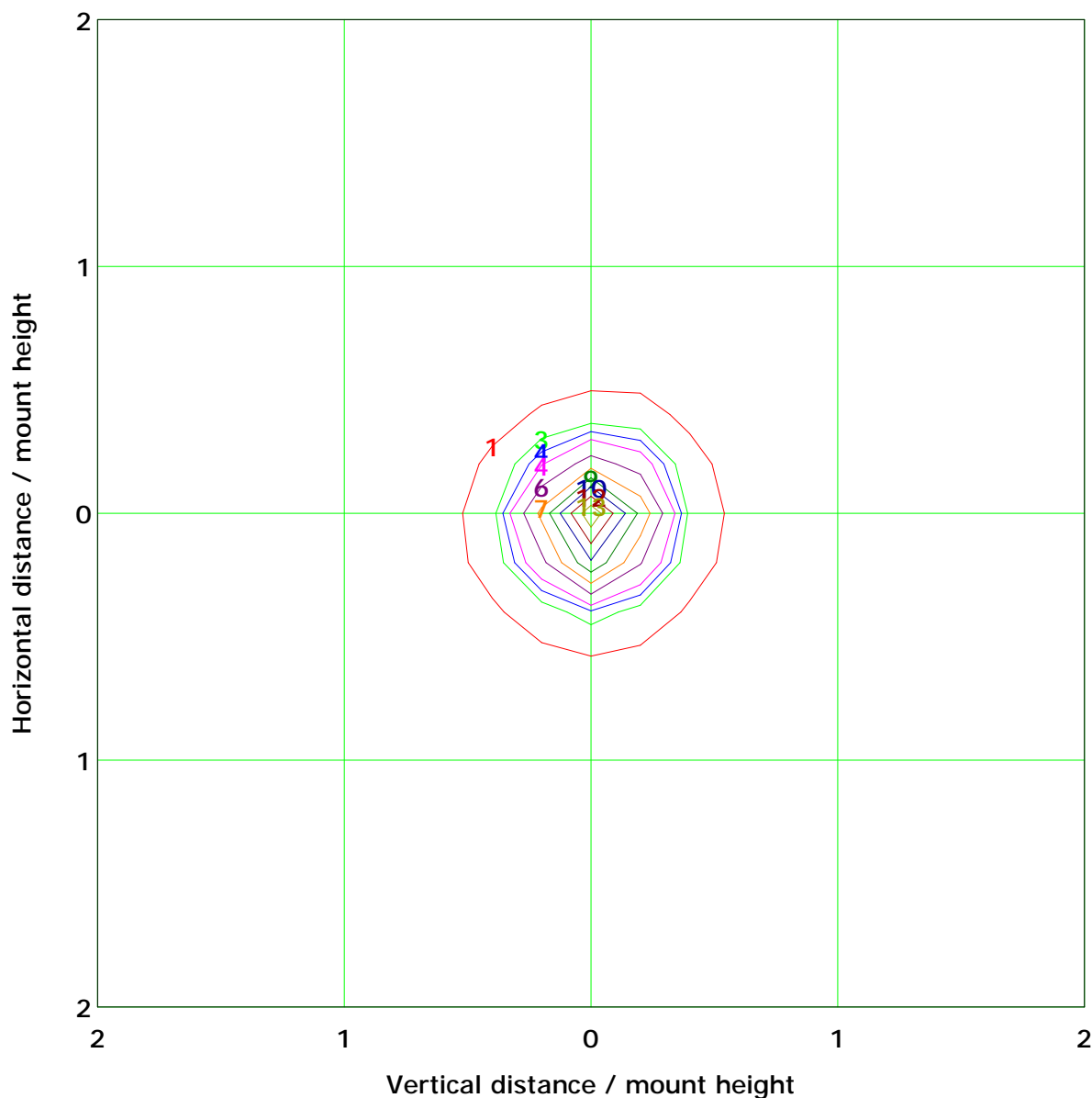
I_{max} (100%): 372 cd

(10%):	37 cd	(20%):	74 cd
(25%):	93 cd	(30%):	112 cd
(40%):	149 cd	(50%):	186 cd
(60%):	223 cd	(70%):	261 cd
(80%):	298 cd	(90%):	335 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%): 14.9 lx	
(10%): 1.5 lx	(20%): 3.0 lx
(25%): 3.7 lx	(30%): 4.5 lx
(40%): 6.0 lx	(50%): 7.4 lx
(60%): 8.9 lx	(70%): 10.4 lx
(80%): 11.9 lx	(90%): 13.4 lx

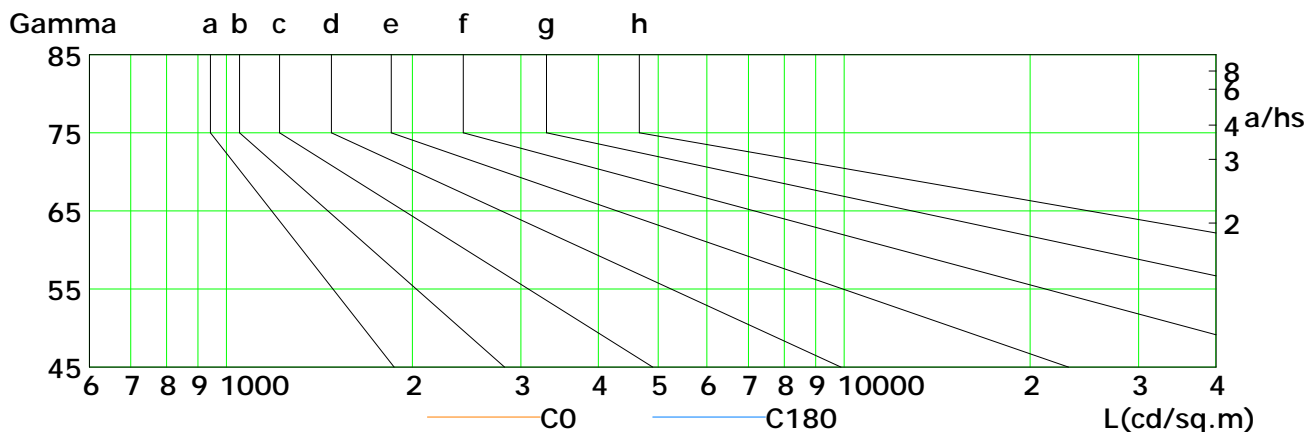
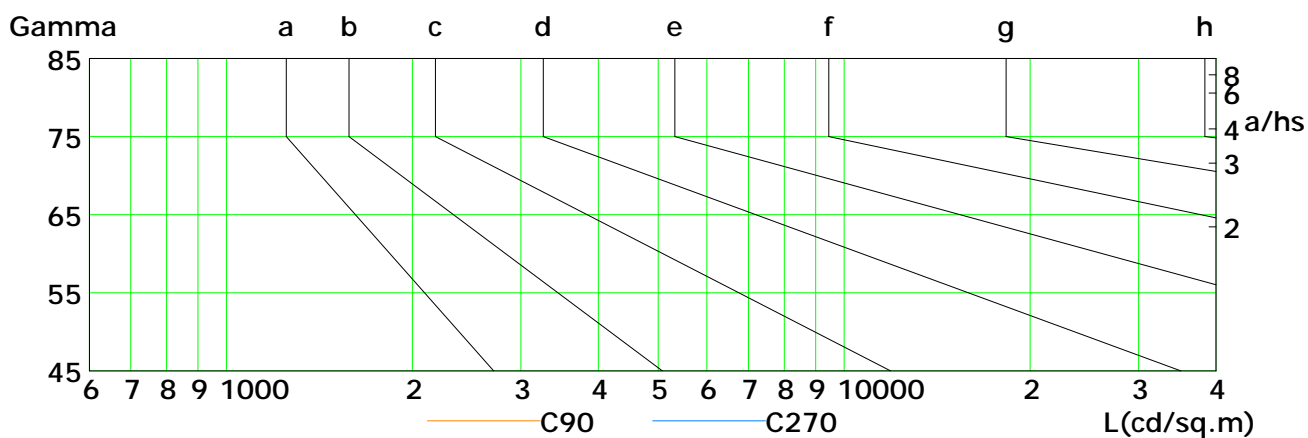
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

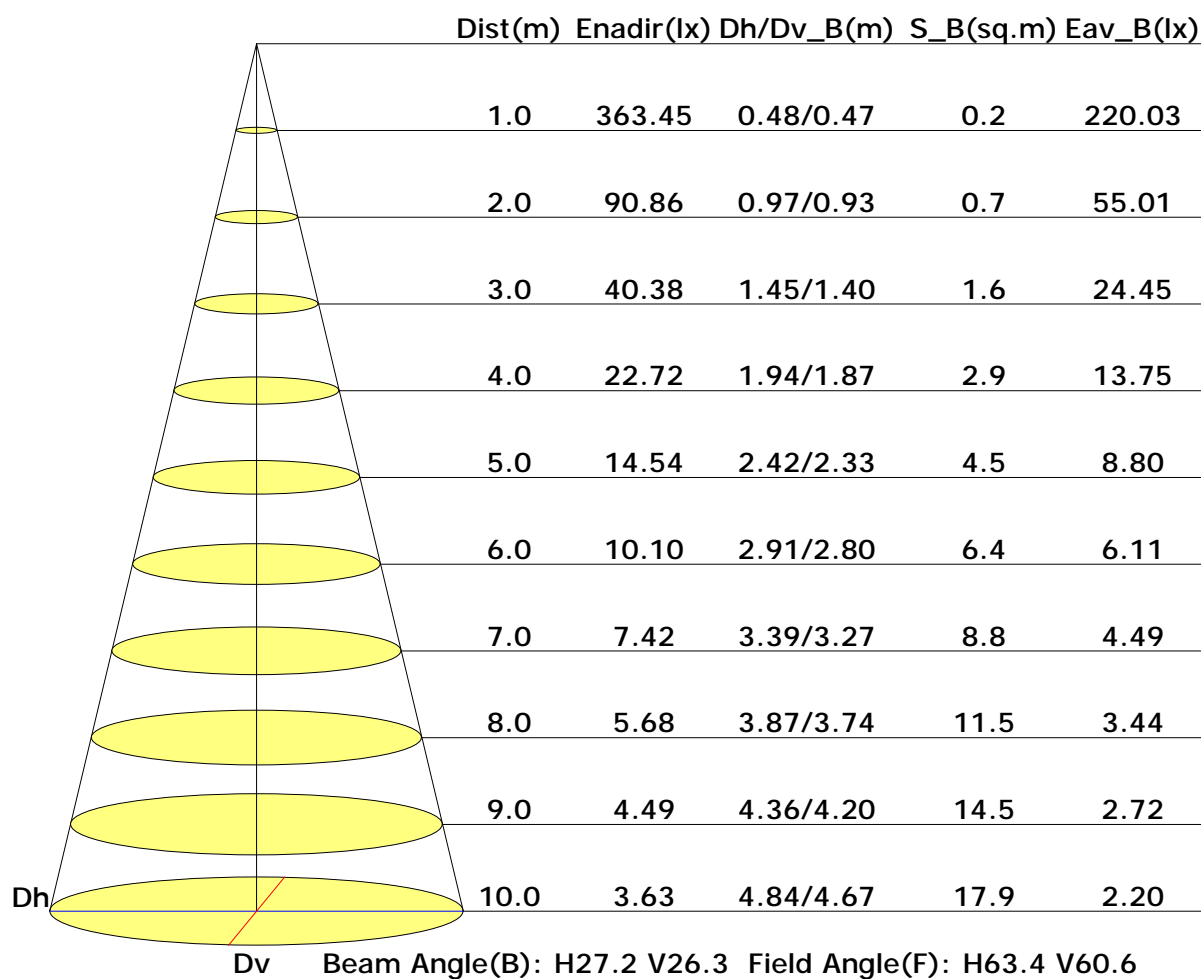


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	294	215	164	128	101	78	59	41	31
C90	399	307	250	210	173	150	125	114	104
C180	211	162	128	101	80	61	44	33	26
C270	232	170	115	67	59	65	72	76	90

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:

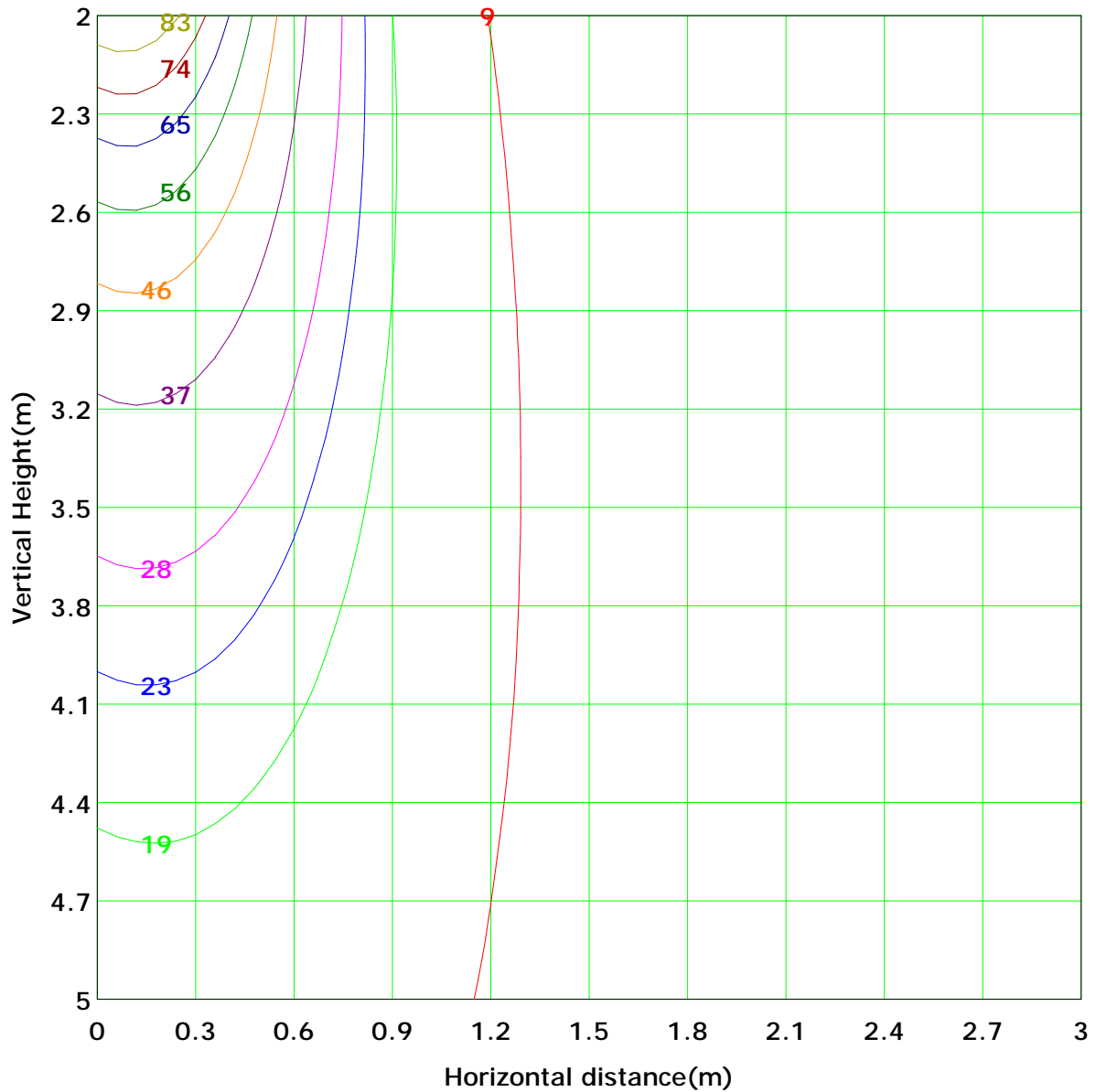
Illuminance at a Distance



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: 92.7 lx
(10%): 9.3 lx	(20%): 18.5 lx	
(25%): 23.2 lx	(30%): 27.8 lx	
(40%): 37.1 lx	(50%): 46.3 lx	
(60%): 55.6 lx	(70%): 64.9 lx	
(80%): 74.1 lx	(90%): 83.4 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:

Area Flux Table

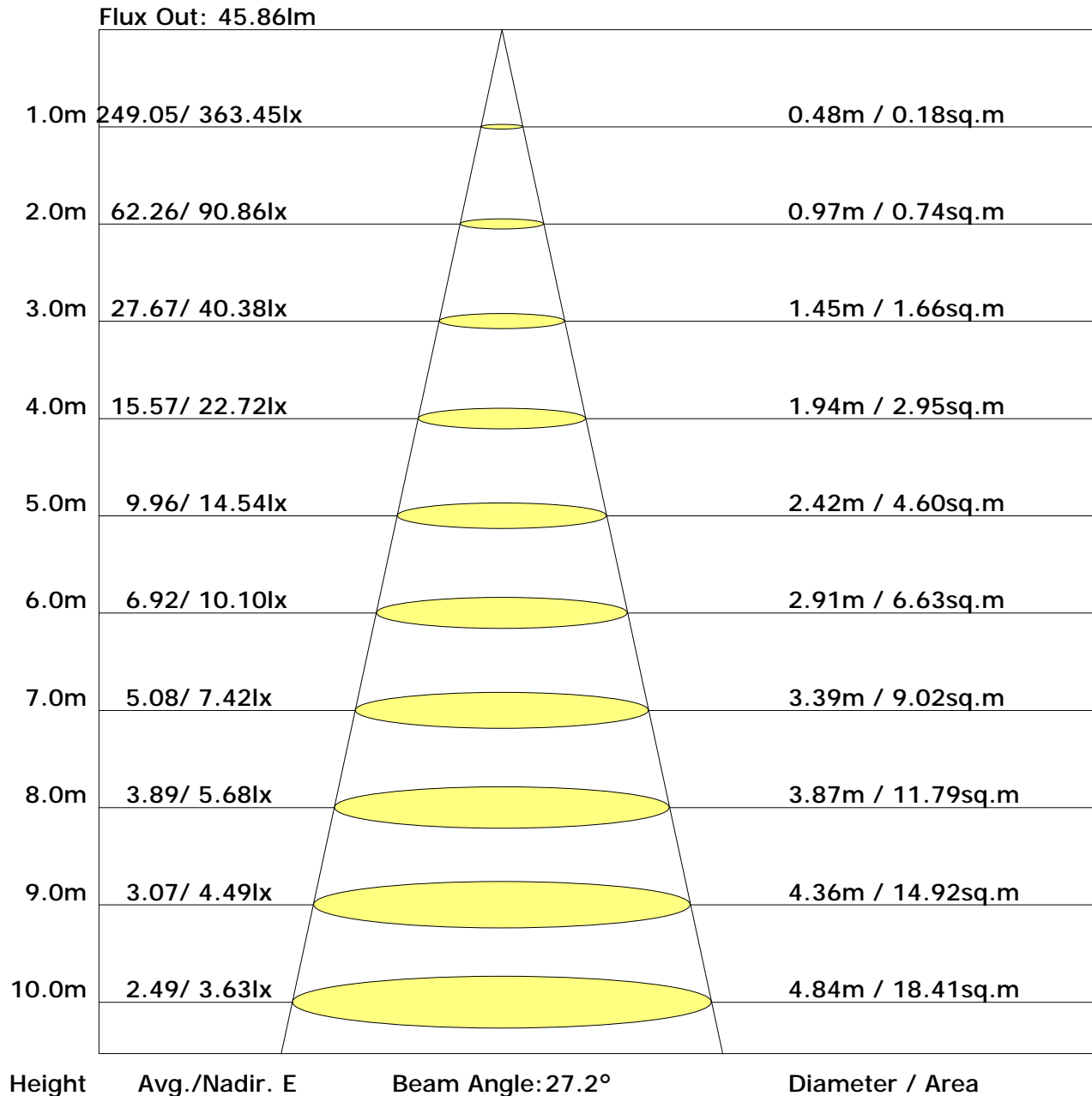
Unit: lm

Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-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	0.1	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	0.3	0.0
	-70	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	0.7	0.0
	-60	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	1.4	0.0
	-50	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	2.6	0.0
	-40	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	4.5	0.0
	-30	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	8.5	0.0
	-20	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	17.4	0.0
	-10	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	31.3	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	0.0	0.0	0.0	34.2	0.0
	10	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	21.9	0.0
	20	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	11.0	0.0
	30	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	5.6	0.0
	40	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	3.0	0.0
	50	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	1.7	0.0
	60	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	0.9	0.0
	70	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	0.4	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	0.1	0.0
	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	146	0.0
																						106

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	8.7	9.8	9.2	10.2	10.7	6.7	7.7	7.2	8.2	8.7
3H	10.2	11.1	10.7	11.6	12.1	7.8	8.7	8.3	9.2	9.7
4H	10.7	11.6	11.2	12.0	12.6	8.2	9.1	8.7	9.6	10.1
6H	11.1	11.9	11.7	12.4	13.0	8.5	9.3	9.1	9.8	10.4
8H	11.3	12.0	11.8	12.5	13.1	8.7	9.4	9.2	10.0	10.5
12H	11.4	12.1	12.0	12.7	13.3	8.8	9.5	9.4	10.0	10.6
X=4H Y=2H	8.7	9.6	9.3	10.1	10.7	7.2	8.0	7.7	8.5	9.1
3H	10.3	11.0	10.9	11.6	12.1	8.5	9.2	9.0	9.7	10.3
4H	10.9	11.6	11.5	12.1	12.7	9.0	9.6	9.5	10.2	10.8
6H	11.5	12.0	12.1	12.6	13.3	9.4	10.0	10.0	10.6	11.2
8H	11.7	12.2	12.3	12.8	13.4	9.6	10.1	10.2	10.7	11.3
12H	11.9	12.4	12.5	13.0	13.6	9.8	10.2	10.4	10.9	11.5
X=8H Y=4H	10.9	11.4	11.5	12.0	12.7	9.2	9.7	9.8	10.3	11.0
6H	11.6	12.0	12.2	12.6	13.2	9.8	10.2	10.4	10.8	11.5
8H	11.8	12.2	12.5	12.9	13.5	10.1	10.4	10.7	11.1	11.7
12H	12.2	12.5	12.8	13.1	13.9	10.4	10.7	11.0	11.3	12.0
X=12H Y=4H	10.9	11.3	11.5	12.0	12.6	9.2	9.7	9.9	10.3	10.9
6H	11.5	11.9	12.2	12.5	13.2	9.9	10.2	10.5	10.8	11.5
8H	11.9	12.2	12.5	12.8	13.6	10.2	10.5	10.8	11.1	11.9

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 = 0.75								
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	0.80	0.86	0.91	0.94	0.98	1.01	1.03	1.06	1.08
	0.30		0.75	0.82	0.86	0.89	0.94	0.98	1.00	1.03	1.05
	0.20		0.72	0.78	0.82	0.86	0.91	0.95	0.97	1.01	1.03
0.50	0.50	0.20	0.78	0.84	0.88	0.90	0.94	0.97	0.98	1.01	1.02
	0.30		0.74	0.80	0.84	0.87	0.91	0.94	0.96	0.99	1.00
	0.20		0.71	0.77	0.81	0.84	0.88	0.91	0.94	0.97	0.99
0.30	0.50	0.20	0.76	0.81	0.85	0.87	0.91	0.93	0.94	0.96	0.97
	0.30		0.73	0.78	0.82	0.84	0.88	0.90	0.92	0.94	0.96
	0.20		0.70	0.75	0.79	0.82	0.86	0.88	0.90	0.93	0.94
0.00	0.00	0.00	0.68	0.72	0.76	0.78	0.81	0.84	0.85	0.87	0.88
Rating: 10W 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 = 0.75								
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	0.63	0.52	0.44	0.39	0.31	0.26	0.22	0.17	0.14
	0.30		0.52	0.44	0.39	0.34	0.28	0.24	0.20	0.16	0.14
	0.20		0.45	0.39	0.34	0.31	0.25	0.22	0.19	0.15	0.13
0.50	0.50	0.20	0.58	0.48	0.41	0.35	0.28	0.27	0.20	0.16	0.13
	0.30		0.49	0.42	0.36	0.32	0.26	0.22	0.19	0.15	0.12
	0.20		0.43	0.37	0.32	0.29	0.24	0.20	0.18	0.14	0.12
0.30	0.50	0.20	0.55	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.12
	0.30		0.47	0.39	0.33	0.29	0.24	0.20	0.17	0.13	0.11
	0.20		0.41	0.35	0.30	0.27	0.22	0.19	0.16	0.13	0.11
0.00	0.00	0.00	0.27	0.22	0.19	0.16	0.13	0.11	0.09	0.07	0.06
<p>Rating: 10W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
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	0.20	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28
	0.30		0.16	0.18	0.19	0.21	0.22	0.24	0.24	0.26	0.27
	0.20		0.13	0.15	0.16	0.18	0.20	0.21	0.22	0.24	0.25
0.50	0.50	0.20	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27
	0.30		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.26
	0.20		0.13	0.15	0.16	0.17	0.19	0.21	0.22	0.23	0.24
0.30	0.50	0.20	0.19	0.21	0.22	0.22	0.23	0.24	0.25	0.25	0.26
	0.30		0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24	0.25
	0.20		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.23	0.23
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Rating: 10W 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	367.7	0.4	0.4	0.22	0.22
1.0-2.0	364.5	1.0	1.4	0.67	0.89
2.0-3.0	358.2	1.7	3.1	1.09	1.98
3.0-4.0	349.0	2.3	5.4	1.49	3.47
4.0-5.0	337.4	2.9	8.4	1.85	5.32
5.0-6.0	323.4	3.4	11.8	2.16	7.48
6.0-7.0	307.6	3.8	15.6	2.43	9.91
7.0-8.0	290.5	4.2	19.7	2.65	12.56
8.0-9.0	272.6	4.4	24.1	2.81	15.37
9.0-10.0	254.2	4.6	28.7	2.93	18.30
10.0-11.0	235.8	4.7	33.5	3.00	21.30
11.0-12.0	217.5	4.8	38.2	3.03	24.33
12.0-13.0	200.0	4.7	43.0	3.02	27.35
13.0-14.0	183.6	4.7	47.7	2.99	30.35
14.0-15.0	168.0	4.6	52.3	2.94	33.28
15.0-16.0	153.3	4.5	56.8	2.86	36.14
16.0-17.0	140.0	4.4	61.1	2.78	38.92
17.0-18.0	127.7	4.2	65.3	2.68	41.60
18.0-19.0	116.4	4.0	69.4	2.58	44.18
19.0-20.0	106.1	3.9	73.3	2.47	46.65
20.0-21.0	96.7	3.7	77.0	2.36	49.02
21.0-22.0	88.1	3.5	80.5	2.26	51.27
22.0-23.0	80.5	3.4	83.9	2.15	53.42
23.0-24.0	73.5	3.2	87.1	2.04	55.47
24.0-25.0	67.0	3.0	90.2	1.94	57.41
25.0-26.0	61.3	2.9	93.1	1.84	59.25
26.0-27.0	56.1	2.7	95.8	1.75	61.00
27.0-28.0	51.2	2.6	98.4	1.65	62.65
28.0-29.0	46.9	2.5	100.8	1.56	64.21
29.0-30.0	42.9	2.3	103.2	1.47	65.69
30.0-31.0	39.2	2.2	105.3	1.39	67.08
31.0-32.0	35.8	2.1	107.4	1.31	68.38
32.0-33.0	32.8	1.9	109.3	1.23	69.61
33.0-34.0	30.0	1.8	111.2	1.16	70.77
34.0-35.0	27.5	1.7	112.9	1.09	71.86
35.0-36.0	25.3	1.6	114.5	1.03	72.89

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	23.3	1.5	116.0	0.97	73.85
37.0-38.0	21.5	1.4	117.4	0.91	74.77
38.0-39.0	19.9	1.4	118.8	0.87	75.63
39.0-40.0	18.5	1.3	120.1	0.82	76.46
40.0-41.0	17.2	1.2	121.3	0.78	77.24
41.0-42.0	16.1	1.2	122.5	0.75	77.98
42.0-43.0	15.1	1.1	123.6	0.71	78.70
43.0-44.0	14.1	1.1	124.7	0.68	79.38
44.0-45.0	13.3	1.0	125.7	0.65	80.02
45.0-46.0	12.5	1.0	126.7	0.62	80.65
46.0-47.0	11.7	0.9	127.6	0.59	81.24
47.0-48.0	11.0	0.9	128.5	0.57	81.81
48.0-49.0	10.4	0.9	129.3	0.55	82.35
49.0-50.0	9.8	0.8	130.2	0.52	82.88
50.0-51.0	9.3	0.8	130.9	0.50	83.37
51.0-52.0	8.7	0.8	131.7	0.48	83.85
52.0-53.0	8.3	0.7	132.4	0.46	84.31
53.0-54.0	7.8	0.7	133.1	0.44	84.75
54.0-55.0	7.4	0.7	133.8	0.42	85.17
55.0-56.0	7.0	0.6	134.4	0.40	85.57
56.0-57.0	6.6	0.6	135.0	0.38	85.96
57.0-58.0	6.2	0.6	135.6	0.37	86.32
58.0-59.0	5.9	0.6	136.1	0.35	86.67
59.0-60.0	5.6	0.5	136.7	0.34	87.01
60.0-61.0	5.3	0.5	137.2	0.32	87.33
61.0-62.0	5.0	0.5	137.7	0.31	87.64
62.0-63.0	4.8	0.5	138.1	0.30	87.94
63.0-64.0	4.5	0.4	138.6	0.28	88.22
64.0-65.0	4.3	0.4	139.0	0.27	88.49
65.0-66.0	4.1	0.4	139.4	0.26	88.75
66.0-67.0	3.9	0.4	139.8	0.25	89.00
67.0-68.0	3.7	0.4	140.2	0.24	89.25
68.0-69.0	3.6	0.4	140.5	0.23	89.48
69.0-70.0	3.4	0.3	140.9	0.22	89.70
70.0-71.0	3.2	0.3	141.2	0.21	89.91
71.0-72.0	3.1	0.3	141.5	0.20	90.11

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	2.9	0.3	141.8	0.19	90.31
73.0-74.0	2.8	0.3	142.1	0.18	90.49
74.0-75.0	2.6	0.3	142.4	0.18	90.67
75.0-76.0	2.5	0.3	142.7	0.17	90.84
76.0-77.0	2.4	0.3	142.9	0.16	91.00
77.0-78.0	2.3	0.2	143.2	0.16	91.16
78.0-79.0	2.2	0.2	143.4	0.15	91.30
79.0-80.0	2.1	0.2	143.6	0.14	91.45
80.0-81.0	2.0	0.2	143.8	0.14	91.59
81.0-82.0	1.9	0.2	144.1	0.13	91.72
82.0-83.0	1.9	0.2	144.3	0.13	91.85
83.0-84.0	1.8	0.2	144.5	0.12	91.97
84.0-85.0	1.8	0.2	144.6	0.12	92.10
85.0-86.0	1.7	0.2	144.8	0.12	92.22
86.0-87.0	1.7	0.2	145.0	0.12	92.33
87.0-88.0	1.7	0.2	145.2	0.12	92.45
88.0-89.0	1.7	0.2	145.4	0.12	92.57
89.0-90.0	1.7	0.2	145.6	0.12	92.69
90.0-91.0	1.7	0.2	145.8	0.12	92.80
91.0-92.0	1.7	0.2	145.9	0.12	92.92
92.0-93.0	1.7	0.2	146.1	0.12	93.04
93.0-94.0	1.7	0.2	146.3	0.12	93.15
94.0-95.0	1.7	0.2	146.5	0.12	93.27
95.0-96.0	1.7	0.2	146.7	0.11	93.38
96.0-97.0	1.7	0.2	146.8	0.11	93.50
97.0-98.0	1.7	0.2	147.0	0.11	93.61
98.0-99.0	1.6	0.2	147.2	0.11	93.73
99.0-100.0	1.6	0.2	147.4	0.11	93.84
100.0-101.0	1.6	0.2	147.6	0.11	93.95
101.0-102.0	1.6	0.2	147.7	0.11	94.06
102.0-103.0	1.6	0.2	147.9	0.11	94.18
103.0-104.0	1.6	0.2	148.1	0.11	94.29
104.0-105.0	1.6	0.2	148.3	0.11	94.40
105.0-106.0	1.6	0.2	148.4	0.11	94.51
106.0-107.0	1.6	0.2	148.6	0.11	94.61
107.0-108.0	1.6	0.2	148.8	0.11	94.72

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	1.6	0.2	148.9	0.11	94.83
109.0-110.0	1.6	0.2	149.1	0.11	94.94
110.0-111.0	1.6	0.2	149.3	0.11	95.05
111.0-112.0	1.7	0.2	149.4	0.11	95.15
112.0-113.0	1.7	0.2	149.6	0.11	95.26
113.0-114.0	1.7	0.2	149.8	0.11	95.37
114.0-115.0	1.7	0.2	149.9	0.11	95.47
115.0-116.0	1.6	0.2	150.1	0.10	95.58
116.0-117.0	1.7	0.2	150.3	0.10	95.68
117.0-118.0	1.7	0.2	150.4	0.10	95.78
118.0-119.0	1.7	0.2	150.6	0.10	95.88
119.0-120.0	1.7	0.2	150.8	0.10	95.99
120.0-121.0	1.7	0.2	150.9	0.10	96.09
121.0-122.0	1.7	0.2	151.1	0.10	96.19
122.0-123.0	1.7	0.2	151.2	0.10	96.29
123.0-124.0	1.7	0.2	151.4	0.10	96.39
124.0-125.0	1.7	0.2	151.5	0.10	96.49
125.0-126.0	1.7	0.2	151.7	0.10	96.58
126.0-127.0	1.7	0.2	151.8	0.10	96.68
127.0-128.0	1.8	0.2	152.0	0.10	96.78
128.0-129.0	1.8	0.2	152.2	0.10	96.88
129.0-130.0	1.8	0.2	152.3	0.10	96.97
130.0-131.0	1.8	0.1	152.5	0.09	97.07
131.0-132.0	1.8	0.1	152.6	0.09	97.16
132.0-133.0	1.8	0.1	152.8	0.09	97.26
133.0-134.0	1.8	0.1	152.9	0.09	97.35
134.0-135.0	1.9	0.1	153.0	0.09	97.44
135.0-136.0	1.9	0.1	153.2	0.09	97.53
136.0-137.0	1.9	0.1	153.3	0.09	97.63
137.0-138.0	1.9	0.1	153.5	0.09	97.72
138.0-139.0	1.9	0.1	153.6	0.09	97.81
139.0-140.0	2.0	0.1	153.8	0.09	97.90
140.0-141.0	2.0	0.1	153.9	0.09	97.98
141.0-142.0	2.0	0.1	154.0	0.09	98.07
142.0-143.0	2.0	0.1	154.2	0.09	98.16
143.0-144.0	2.1	0.1	154.3	0.09	98.24

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	2.1	0.1	154.4	0.08	98.33
145.0-146.0	2.1	0.1	154.6	0.08	98.41
146.0-147.0	2.1	0.1	154.7	0.08	98.49
147.0-148.0	2.2	0.1	154.8	0.08	98.57
148.0-149.0	2.2	0.1	154.9	0.08	98.65
149.0-150.0	2.2	0.1	155.1	0.08	98.73
150.0-151.0	2.2	0.1	155.2	0.08	98.81
151.0-152.0	2.2	0.1	155.3	0.07	98.88
152.0-153.0	2.3	0.1	155.4	0.07	98.96
153.0-154.0	2.3	0.1	155.5	0.07	99.03
154.0-155.0	2.3	0.1	155.6	0.07	99.10
155.0-156.0	2.3	0.1	155.7	0.07	99.16
156.0-157.0	2.3	0.1	155.8	0.07	99.23
157.0-158.0	2.4	0.1	155.9	0.06	99.29
158.0-159.0	2.4	0.1	156.0	0.06	99.35
159.0-160.0	2.4	0.1	156.1	0.06	99.41
160.0-161.0	2.4	0.1	156.2	0.06	99.47
161.0-162.0	2.4	0.1	156.3	0.05	99.52
162.0-163.0	2.4	0.1	156.4	0.05	99.57
163.0-164.0	2.4	0.1	156.5	0.05	99.62
164.0-165.0	2.4	0.1	156.5	0.05	99.67
165.0-166.0	2.4	0.1	156.6	0.04	99.71
166.0-167.0	2.5	0.1	156.7	0.04	99.75
167.0-168.0	2.4	0.1	156.7	0.04	99.79
168.0-169.0	2.4	0.1	156.8	0.03	99.82
169.0-170.0	2.5	0.0	156.8	0.03	99.85
170.0-171.0	2.5	0.0	156.9	0.03	99.88
171.0-172.0	2.4	0.0	156.9	0.03	99.90
172.0-173.0	2.4	0.0	156.9	0.02	99.93
173.0-174.0	2.5	0.0	157.0	0.02	99.95
174.0-175.0	2.5	0.0	157.0	0.02	99.96
175.0-176.0	2.5	0.0	157.0	0.01	99.98
176.0-177.0	2.5	0.0	157.0	0.01	99.99
177.0-178.0	2.5	0.0	157.1	0.01	99.99
178.0-179.0	2.5	0.0	157.1	0.00	100.00
179.0-180.0	2.5	0.0	157.1	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: 9.028 m
 Humidity: 60%
 Inspector: