GENLED Brands
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Report No.: **Test Time: 2023/2/21 17:01**

Luminaire Property

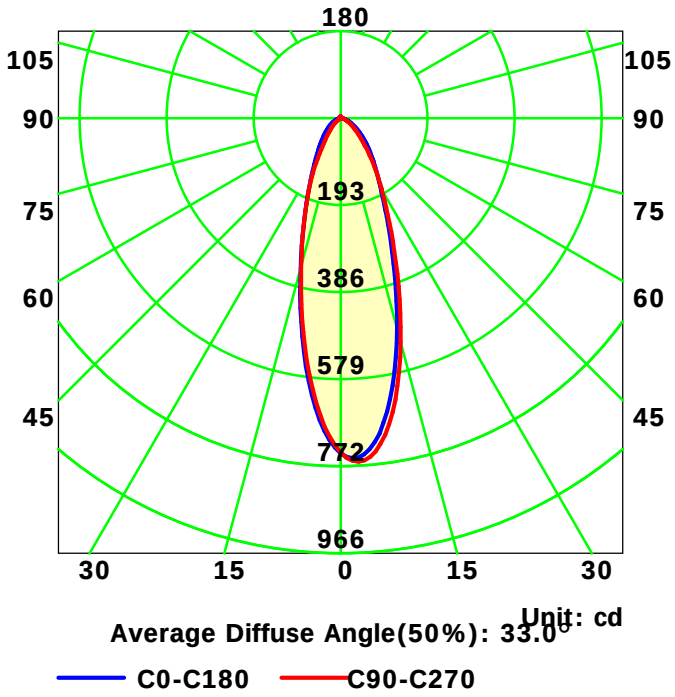
Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4030-GREEN ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.2 V**
Current: 0.100 A **Power: 8.98 W**
Power Factor: 0.409

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 451.0 lm**
Measurement Flux: 451 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H84.7,H32.7
Vertical Diffuse Angle(10%,50%): V75.5,V33.3
Luminaire Efficacy Rating (LER): 50 **Central Intensity: 743.87 cd**
Max. Intensity: 763.56 cd **Pos of Max. Intensity: H60 V3**

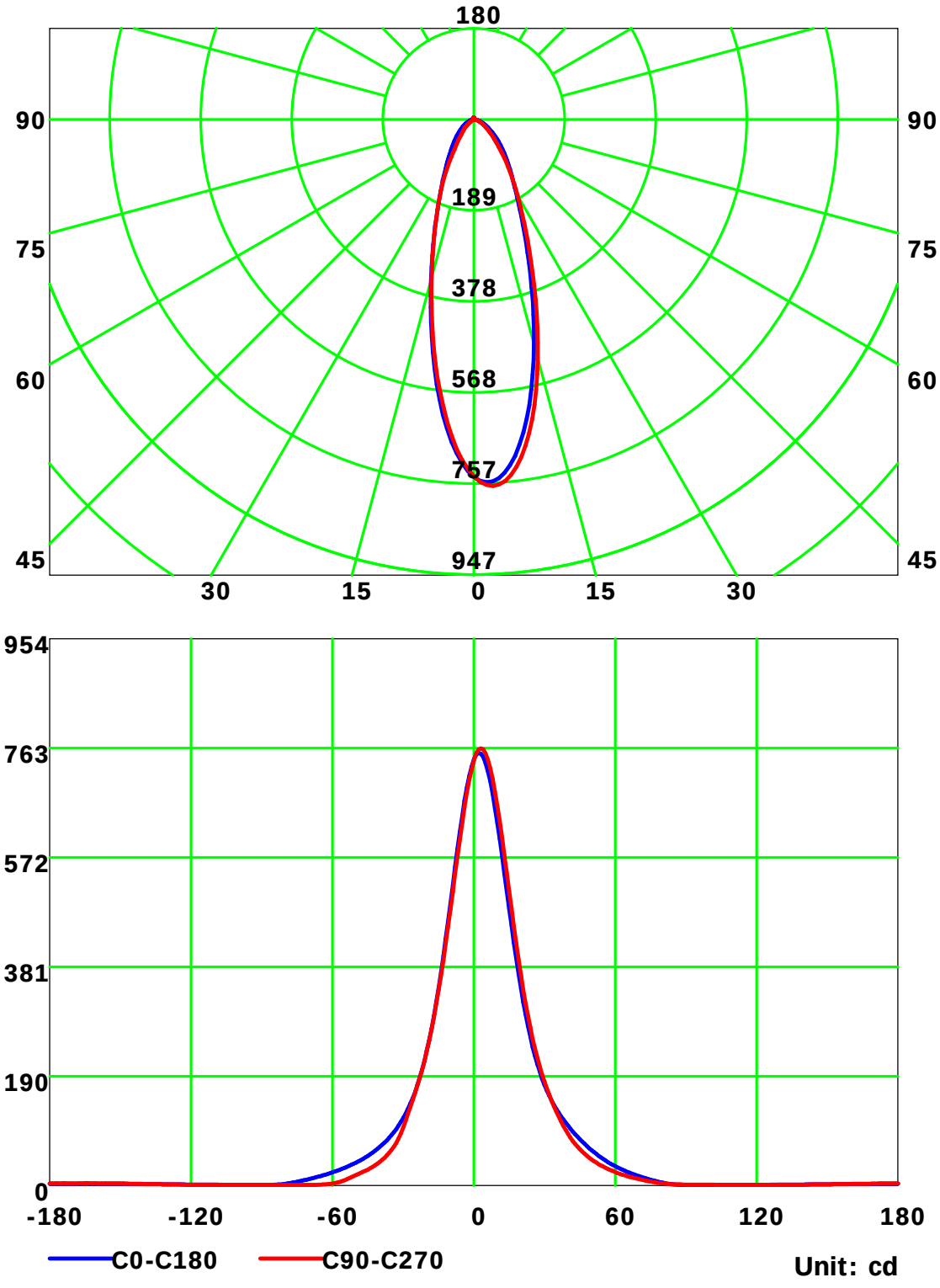
Picture Of Luminaire

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:**

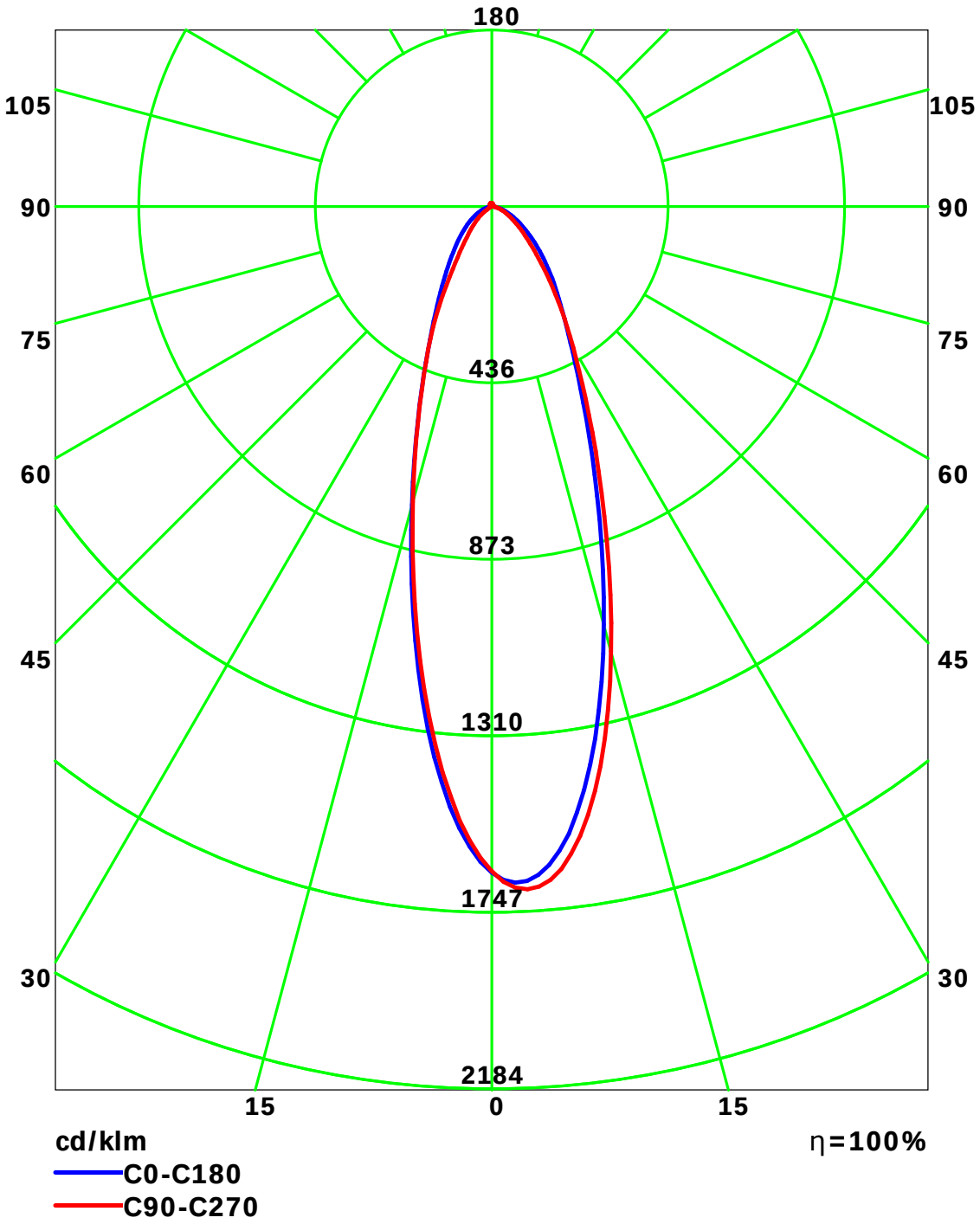
Luminous Intensity Distribution Curve



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

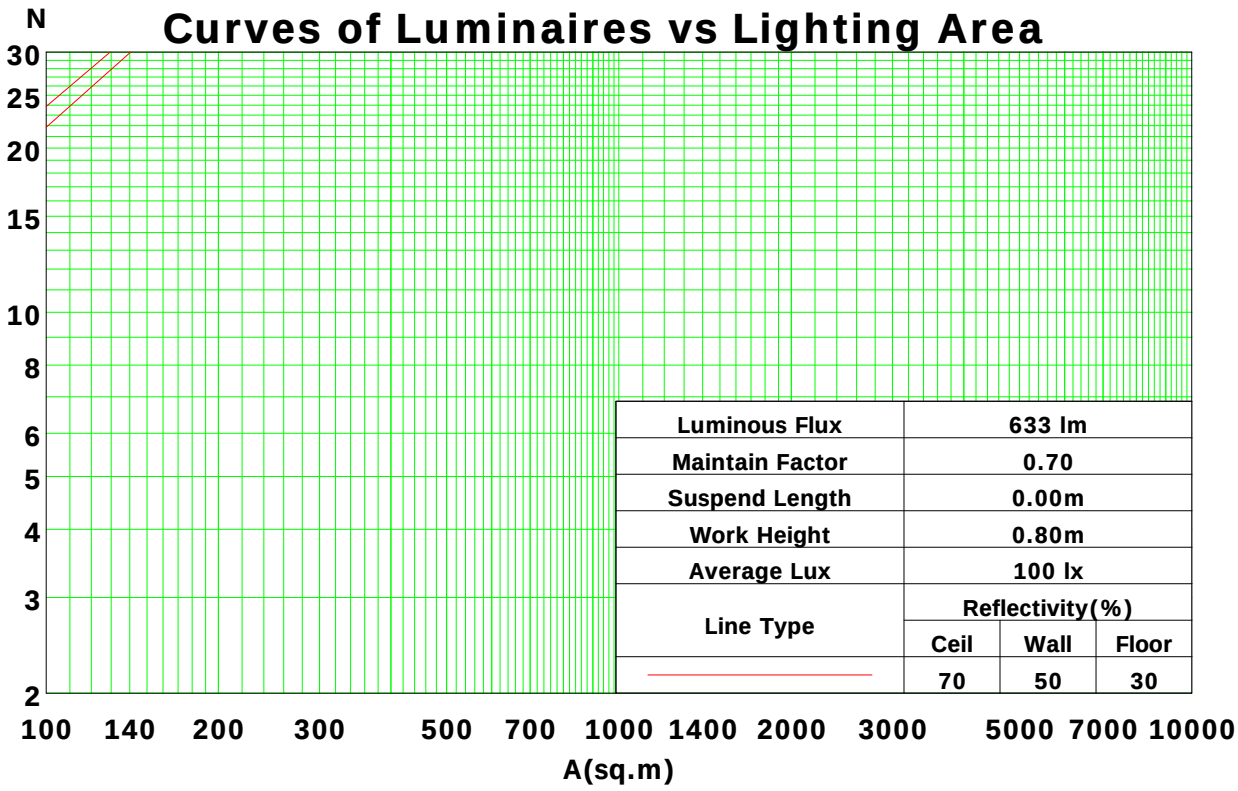
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	112	108	106	103	109	106	103	101	101	99	97	97	95	94	93	92	91	89
2	105	100	95	91	103	98	93	90	94	90	87	90	87	85	87	85	83	81
3	99	92	86	82	97	90	85	81	87	83	79	84	81	78	82	79	76	74
4	94	85	79	74	92	84	78	74	81	76	73	79	75	71	77	73	70	68
5	89	79	73	68	87	78	72	68	76	71	67	74	70	66	72	68	65	63
6	84	74	68	63	82	73	67	63	71	66	62	70	65	61	68	64	61	59
7	80	70	63	59	78	69	63	59	67	62	58	66	61	57	64	60	57	55
8	76	66	59	55	74	65	59	55	64	58	54	62	58	54	61	57	54	52
9	72	62	56	52	71	62	56	52	60	55	51	59	54	51	58	54	51	49
10	69	59	53	49	68	58	53	49	57	52	48	56	52	48	55	51	48	47

Spacing Criteria (0-180): 0.54
Spacing Criteria (90-270): 0.55
Spacing Criteria (Diagonal): 0.60

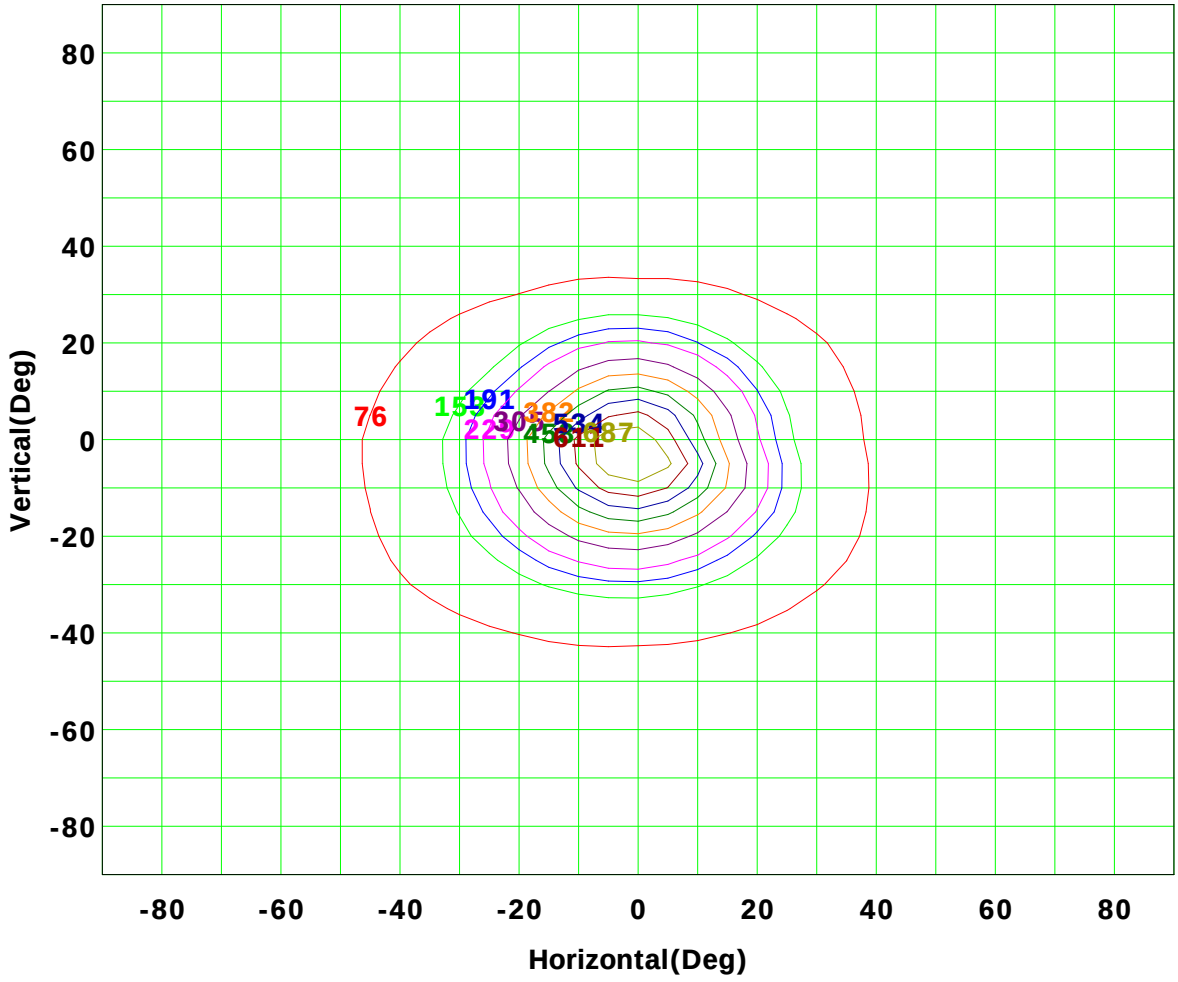
Curves of Luminaires vs Lighting Area



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)



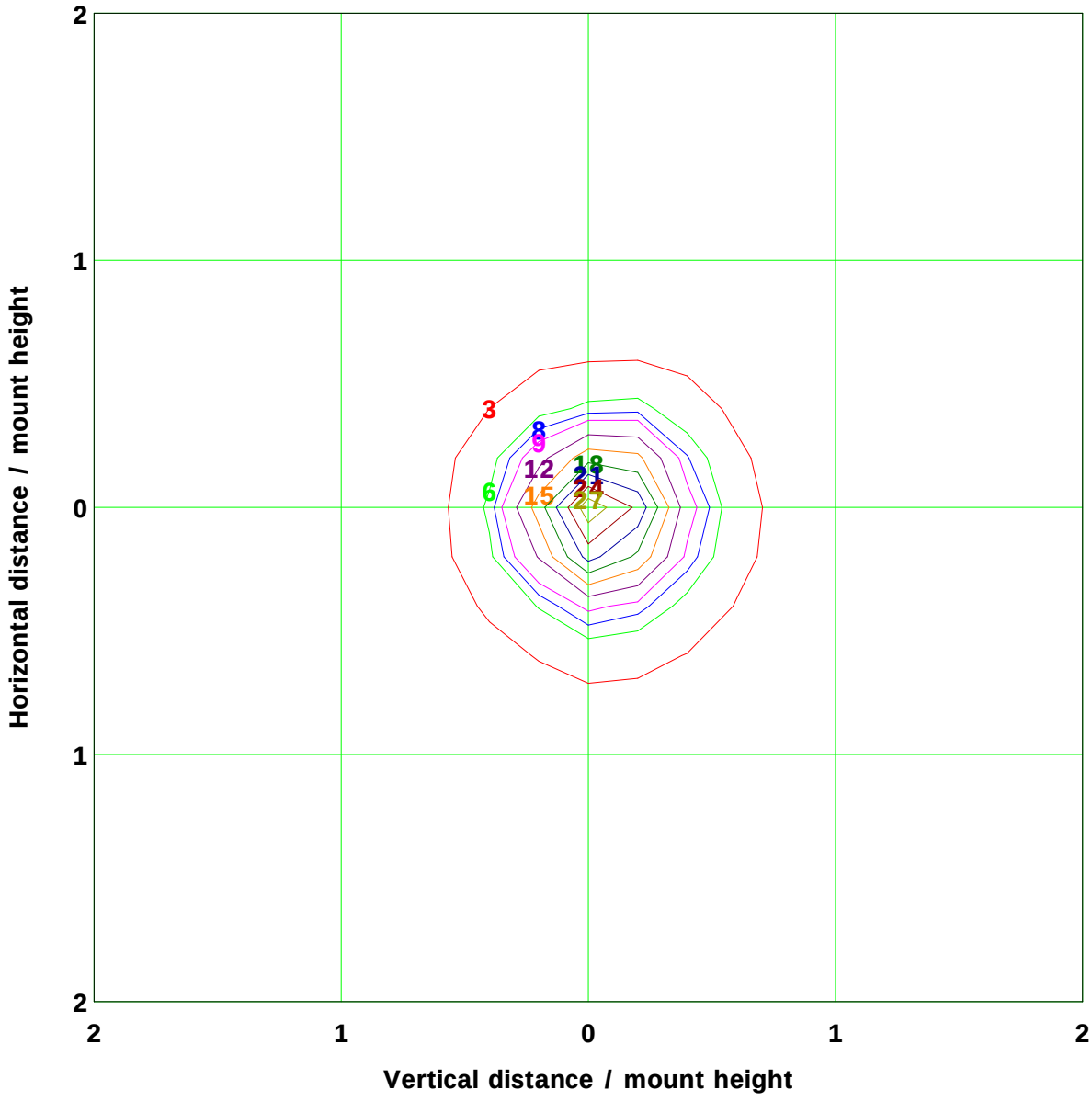
Imax (100%): 764 cd

(10%): 76 cd	(20%): 153 cd
(25%): 191 cd	(30%): 229 cd
(40%): 305 cd	(50%): 382 cd
(60%): 458 cd	(70%): 534 cd
(80%): 611 cd	(90%): 687 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%): 30.4 lx

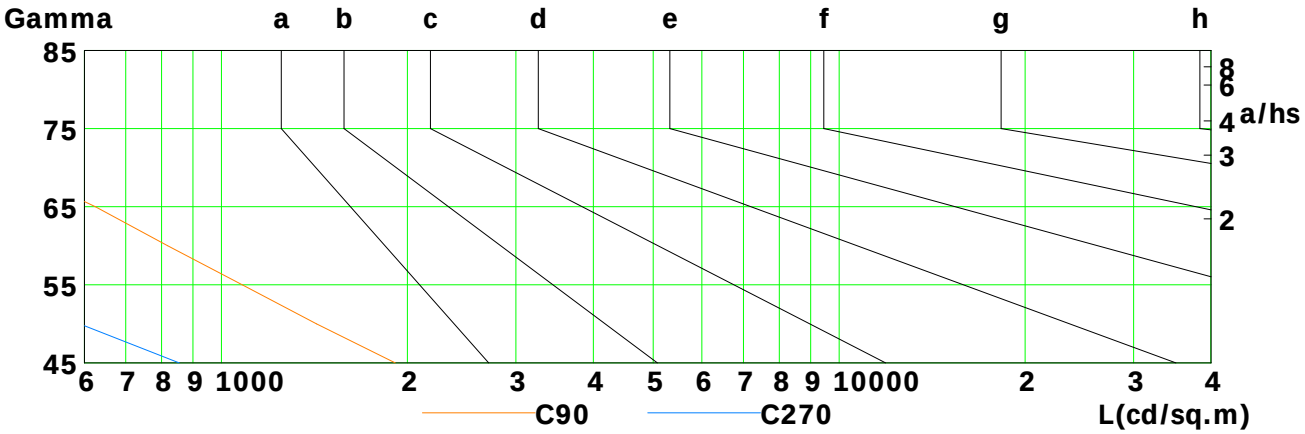
(10%): 3.0 lx	(20%): 6.1 lx
(25%): 7.6 lx	(30%): 9.1 lx
(40%): 12.2 lx	(50%): 15.2 lx
(60%): 18.3 lx	(70%): 21.3 lx
(80%): 24.3 lx	(90%): 27.4 lx

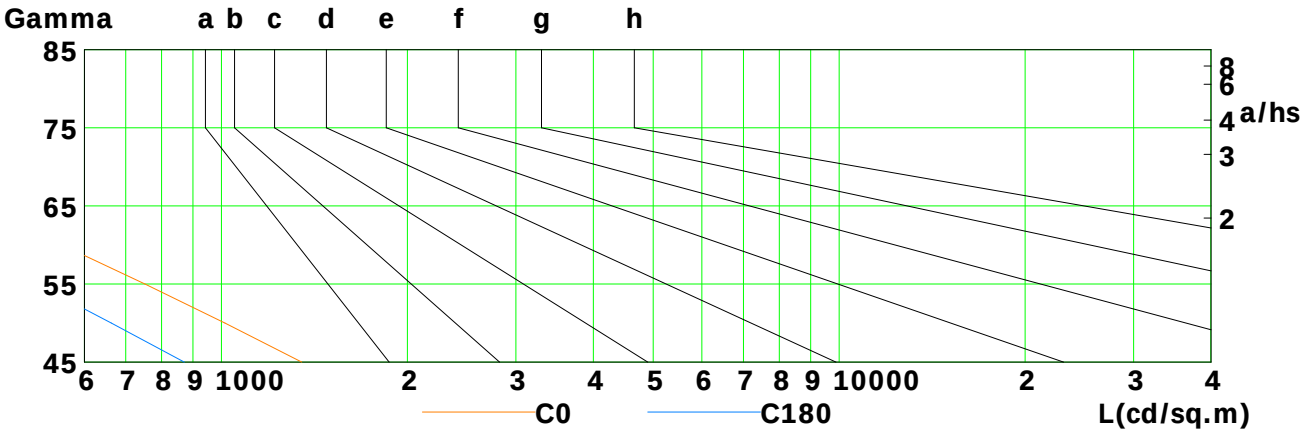
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



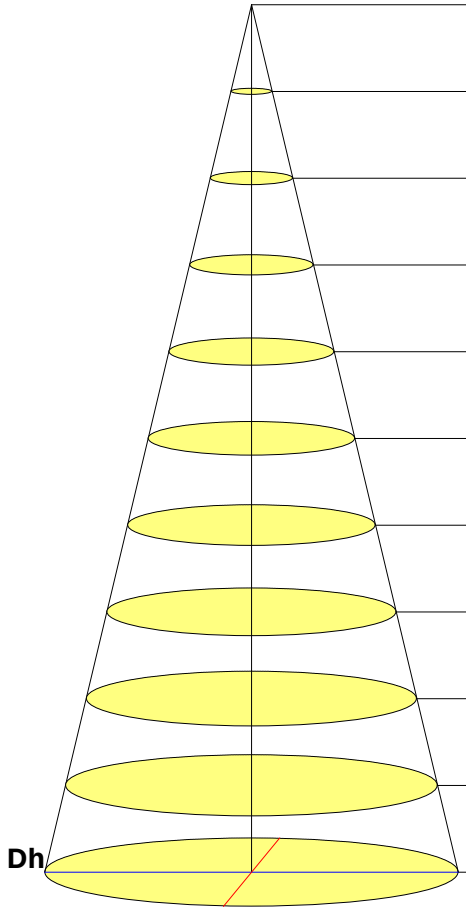


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1350	1013	752	552	400	279	179	98	46
C90	1913	1425	1080	818	625	464	327	216	144
C180	871	664	505	380	277	193	121	64	34
C270	855	590	318	141	76	63	68	79	91

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



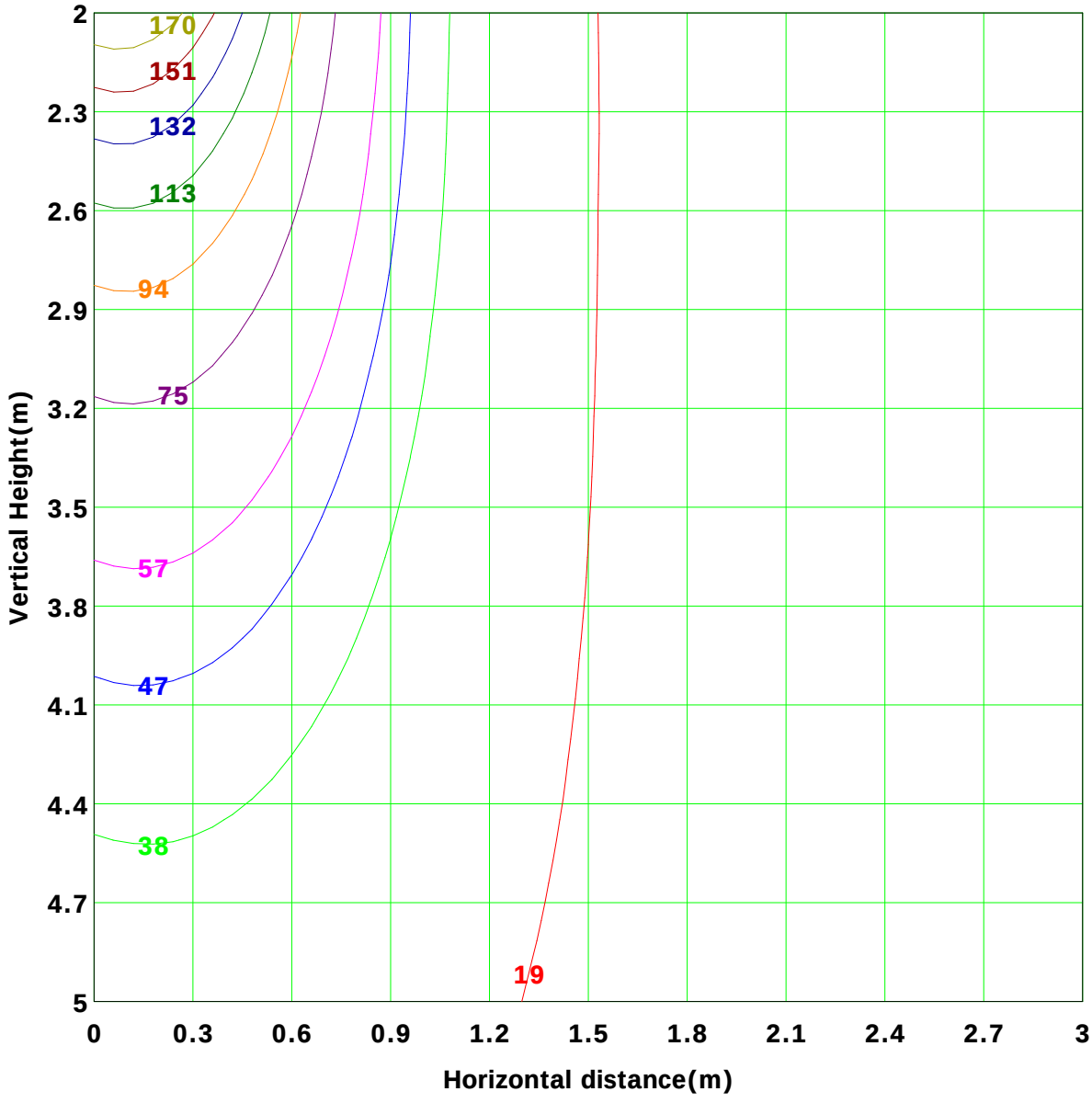
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	743.87	0.59/0.60	0.3	388.69
2.0	185.97	1.17/1.20	1.1	97.17
3.0	82.65	1.76/1.80	2.6	43.19
4.0	46.49	2.35/2.40	4.5	24.29
5.0	29.75	2.94/2.99	7.1	15.55
6.0	20.66	3.52/3.59	10.2	10.80
7.0	15.18	4.11/4.19	13.9	7.93
8.0	11.62	4.70/4.79	18.2	6.07
9.0	9.18	5.29/5.39	23.0	4.80
10.0	7.44	5.87/5.99	28.4	3.89

Beam Angle(B): H32.7 V33.3 Field Angle(F): H84.7 V75.5

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: 9.028 m
Humidity: 60%
Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 188.4 lx

(10%): 18.8 lx
(20%): 37.7 lx
(25%): 47.1 lx
(30%): 56.5 lx
(40%): 75.4 lx
(50%): 94.2 lx
(60%): 113.1 lx
(70%): 131.9 lx
(80%): 150.7 lx
(90%): 169.6 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:

Area Flux Table

Unit: lm

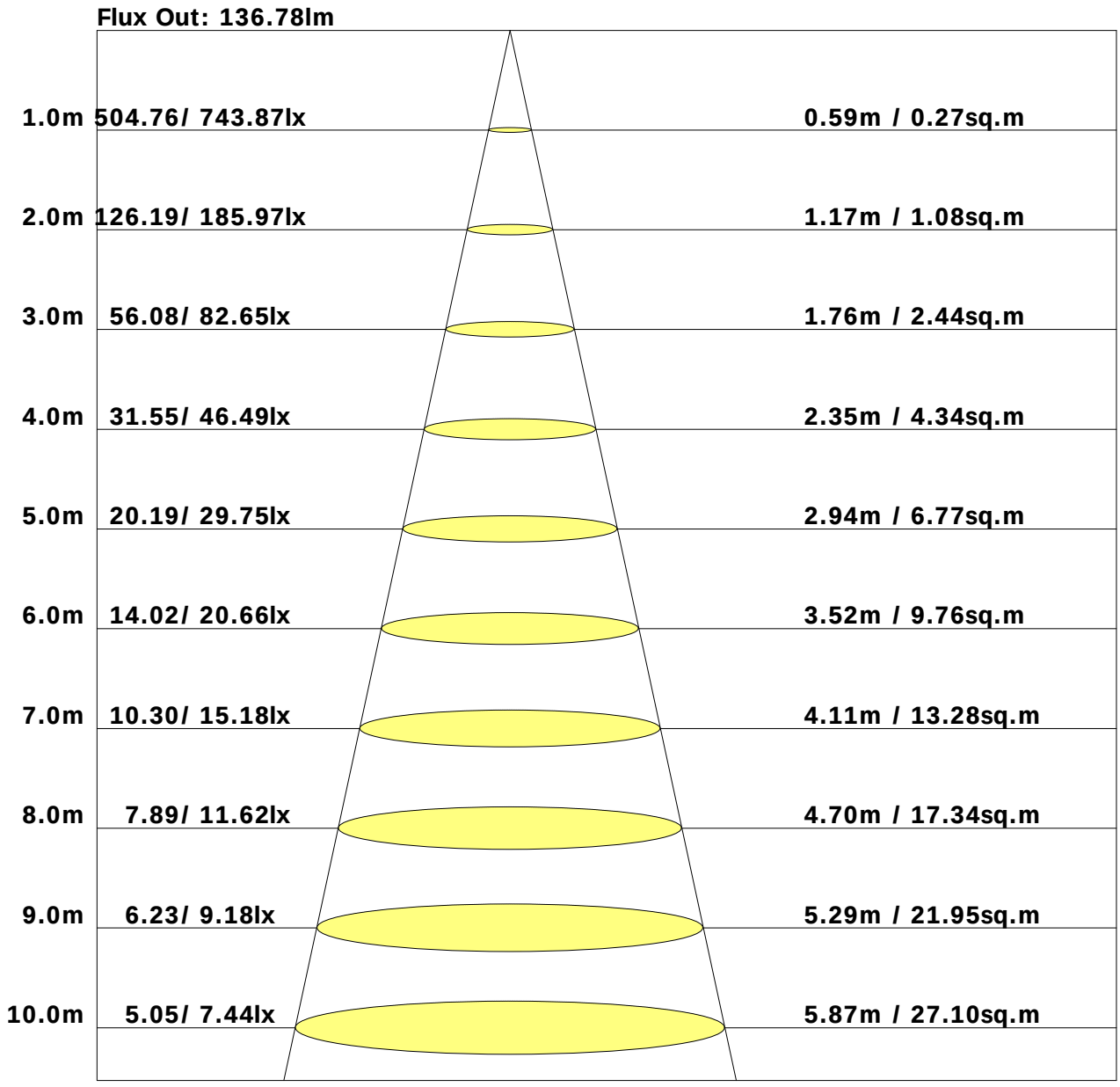
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	2.1	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-60	0.0	5.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0
-50	0.0	9.7	0.1	0.1	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.2	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0
-40	7.8	17.2	0.1	0.2	0.3	0.6	0.9	1.4	1.9	2.3	2.4	2.4	2.2	1.9	1.4	0.9	0.5	0.2	0.1	0.0	0.0
-30	23.5	30.2	0.1	0.2	0.4	0.7	1.3	2.2	3.3	4.6	5.0	4.4	3.4	2.3	1.2	0.6	0.3	0.1	0.1	0.0	0.0
-20	48.2	54.3	0.1	0.2	0.5	0.9	1.7	3.1	5.4	9.0	11.4	9.4	6.2	3.5	1.7	0.8	0.3	0.1	0.1	0.1	0.0
-10	77.7	83.6	0.1	0.2	0.5	1.0	1.9	3.8	7.4	14.2	20.1	16.6	9.6	4.7	2.0	0.9	0.3	0.1	0.1	0.1	0.1
0	82.2	88.0	0.1	0.2	0.5	1.0	2.0	4.0	7.7	14.9	21.2	17.9	10.1	4.9	2.0	0.9	0.3	0.1	0.1	0.1	0.1
10	57.1	63.0	0.1	0.2	0.5	1.0	1.8	3.5	6.1	10.2	13.9	11.7	7.1	3.9	1.7	0.8	0.3	0.1	0.1	0.1	0.0
20	31.2	37.3	0.1	0.2	0.4	0.8	1.5	2.6	4.0	5.6	6.8	6.1	4.2	2.6	1.4	0.7	0.3	0.1	0.1	0.0	0.0
30	15.7	22.3	0.1	0.2	0.3	0.6	1.1	1.7	2.5	3.1	3.4	3.2	2.5	1.7	1.0	0.5	0.2	0.1	0.1	0.0	0.0
40	3.6	12.7	0.1	0.1	0.2	0.4	0.7	1.1	1.4	1.7	1.8	1.7	1.3	1.0	0.6	0.3	0.2	0.1	0.1	0.0	0.0
50	0.0	6.4	0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.6	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0
60	0.0	2.8	0.0	0.0	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0
70	0.0	0.9	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	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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		436	0.9	2.1	4.5	8.3	14.6	25.6	42.6	68.7	89.2	76.2	48.9	28.1	14.1	7.1	3.0	1.0	0.6	0.6	0.6
Flux(E)	347	Flux(T)	0.0	0.0	0.0	0.0	1.7	18.5	37.8	64.5	85.1	71.9	44.0	21.3	2.2	0.0	0.0	0.0	0.0	0.0	0.0

Horizontal plane

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	11.8	13.0	12.3	13.3	13.7	9.3	10.4	9.7	10.8	11.2
3H	12.8	13.8	13.2	14.2	14.6	10.0	11.0	10.4	11.4	11.8
4H	13.1	14.0	13.5	14.4	14.9	10.2	11.1	10.6	11.5	12.0
6H	13.2	14.0	13.7	14.5	15.0	10.2	11.1	10.7	11.5	12.0
8H	13.2	14.0	13.7	14.5	14.9	10.2	11.0	10.7	11.5	12.0
12H	13.2	14.0	13.7	14.4	14.9	10.2	11.0	10.7	11.4	11.9
X=4H Y=2H	11.8	12.7	12.2	13.1	13.6	9.7	10.6	10.1	11.0	11.5
3H	12.8	13.6	13.3	14.0	14.5	10.5	11.3	11.0	11.7	12.2
4H	13.1	13.8	13.6	14.3	14.8	10.7	11.4	11.2	11.9	12.4
6H	13.3	13.9	13.8	14.4	14.9	10.8	11.4	11.3	11.9	12.5
8H	13.3	13.9	13.8	14.4	14.9	10.8	11.4	11.4	11.9	12.4
12H	13.3	13.8	13.9	14.3	14.9	10.8	11.3	11.4	11.8	12.4
X=8H Y=4H	13.0	13.6	13.5	14.1	14.6	10.8	11.3	11.3	11.9	12.4
6H	13.2	13.7	13.8	14.2	14.8	10.9	11.4	11.5	12.0	12.5
8H	13.3	13.7	13.8	14.2	14.8	11.0	11.4	11.6	11.9	12.5
12H	13.3	13.6	13.9	14.2	14.8	11.0	11.3	11.6	11.9	12.5
X=12H Y=4H	13.0	13.5	13.5	14.0	14.5	10.8	11.3	11.3	11.8	12.3
6H	13.2	13.6	13.7	14.1	14.7	10.9	11.3	11.5	11.9	12.5
8H	13.2	13.6	13.8	14.1	14.8	11.0	11.3	11.6	11.9	12.5

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 = 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	0.77	0.84	0.89	0.93	0.98	1.01	1.04	1.06	1.08
	0.30		0.71	0.79	0.84	0.88	0.94	0.98	1.00	1.04	1.06
	0.20		0.68	0.75	0.81	0.85	0.90	0.94	0.97	1.01	1.04
0.50	0.50	0.20	0.75	0.82	0.87	0.90	0.95	0.97	0.99	1.02	1.04
	0.30		0.70	0.78	0.83	0.86	0.91	0.94	0.97	1.00	1.02
	0.20		0.67	0.74	0.79	0.83	0.88	0.92	0.94	0.98	1.00
0.30	0.50	0.20	0.74	0.80	0.84	0.87	0.91	0.94	0.96	0.98	0.99
	0.30		0.70	0.76	0.81	0.84	0.89	0.92	0.94	0.96	0.98
	0.20		0.66	0.73	0.78	0.82	0.86	0.89	0.92	0.95	0.96
0.00	0.00	0.00	0.64	0.71	0.75	0.78	0.83	0.85	0.87	0.90	0.91

Rating:9W 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 = 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	0.69	0.56	0.47	0.41	0.32	0.27	0.23	0.18	0.14
	0.30		0.57	0.48	0.41	0.36	0.29	0.25	0.21	0.17	0.14
	0.20		0.49	0.42	0.37	0.32	0.27	0.23	0.20	0.16	0.13
0.50	0.50	0.20	0.65	0.53	0.44	0.38	0.30	0.29	0.21	0.16	0.13
	0.30		0.55	0.46	0.39	0.34	0.27	0.23	0.20	0.15	0.13
	0.20		0.48	0.40	0.35	0.31	0.25	0.21	0.18	0.15	0.12
0.30	0.50	0.20	0.62	0.50	0.42	0.36	0.28	0.23	0.19	0.15	0.12
	0.30		0.53	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.12
	0.20		0.47	0.39	0.34	0.30	0.24	0.20	0.17	0.14	0.11
0.00	0.00	0.00	0.33	0.27	0.23	0.19	0.15	0.13	0.11	0.08	0.07

Rating:9W 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 = 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	0.17	0.19	0.20	0.20	0.22	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.16	0.17	0.18	0.20	0.20	0.22	0.23
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.16	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
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:9W 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	743.8	0.7	0.7	0.16	0.16
1.0-2.0	739.7	2.1	2.8	0.47	0.63
2.0-3.0	731.3	3.5	6.3	0.78	1.40
3.0-4.0	719.0	4.8	11.1	1.07	2.47
4.0-5.0	703.2	6.1	17.2	1.34	3.81
5.0-6.0	684.0	7.2	24.4	1.59	5.41
6.0-7.0	662.0	8.2	32.6	1.82	7.23
7.0-8.0	637.6	9.1	41.7	2.02	9.25
8.0-9.0	611.2	9.9	51.6	2.20	11.45
9.0-10.0	583.3	10.6	62.2	2.34	13.79
10.0-11.0	554.5	11.1	73.3	2.46	16.25
11.0-12.0	524.9	11.5	84.8	2.54	18.79
12.0-13.0	495.1	11.8	96.5	2.61	21.40
13.0-14.0	465.8	11.9	108.4	2.64	24.04
14.0-15.0	436.7	12.0	120.4	2.66	26.70
15.0-16.0	408.3	12.0	132.4	2.65	29.35
16.0-17.0	381.4	11.9	144.3	2.63	31.99
17.0-18.0	355.6	11.7	156.0	2.60	34.59
18.0-19.0	330.9	11.5	167.5	2.55	37.14
19.0-20.0	307.6	11.3	178.8	2.50	39.64
20.0-21.0	286.0	11.0	189.7	2.43	42.07
21.0-22.0	265.8	10.7	200.4	2.37	44.44
22.0-23.0	247.3	10.4	210.8	2.30	46.74
23.0-24.0	230.2	10.1	220.9	2.23	48.97
24.0-25.0	214.2	9.7	230.6	2.16	51.13
25.0-26.0	199.7	9.4	240.0	2.09	53.22
26.0-27.0	186.3	9.1	249.2	2.02	55.24
27.0-28.0	173.9	8.8	258.0	1.95	57.19
28.0-29.0	162.5	8.5	266.5	1.88	59.08
29.0-30.0	151.9	8.2	274.7	1.82	60.90
30.0-31.0	142.0	7.9	282.6	1.75	62.65
31.0-32.0	132.9	7.6	290.2	1.69	64.34
32.0-33.0	124.5	7.3	297.5	1.63	65.96
33.0-34.0	116.6	7.1	304.6	1.56	67.53
34.0-35.0	109.3	6.8	311.4	1.51	69.03
35.0-36.0	102.6	6.5	317.9	1.45	70.48

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:

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	96.4	6.3	324.2	1.39	71.88
37.0-38.0	90.6	6.0	330.2	1.34	73.22
38.0-39.0	85.2	5.8	336.0	1.29	74.51
39.0-40.0	80.1	5.6	341.6	1.24	75.75
40.0-41.0	75.4	5.4	347.0	1.19	76.94
41.0-42.0	70.9	5.2	352.2	1.14	78.08
42.0-43.0	66.7	4.9	357.1	1.10	79.18
43.0-44.0	62.7	4.7	361.8	1.05	80.23
44.0-45.0	59.0	4.5	366.4	1.00	81.23
45.0-46.0	55.4	4.3	370.7	0.96	82.19
46.0-47.0	52.0	4.1	374.8	0.92	83.11
47.0-48.0	48.8	3.9	378.8	0.88	83.99
48.0-49.0	45.8	3.8	382.5	0.83	84.82
49.0-50.0	42.9	3.6	386.1	0.79	85.61
50.0-51.0	40.2	3.4	389.5	0.75	86.37
51.0-52.0	37.6	3.2	392.8	0.72	87.08
52.0-53.0	35.2	3.1	395.8	0.68	87.76
53.0-54.0	32.9	2.9	398.7	0.64	88.40
54.0-55.0	30.7	2.7	401.4	0.61	89.01
55.0-56.0	28.6	2.6	404.0	0.57	89.58
56.0-57.0	26.6	2.4	406.5	0.54	90.12
57.0-58.0	24.7	2.3	408.7	0.51	90.63
58.0-59.0	23.0	2.2	410.9	0.48	91.11
59.0-60.0	21.3	2.0	412.9	0.45	91.55
60.0-61.0	19.8	1.9	414.8	0.42	91.97
61.0-62.0	18.4	1.8	416.6	0.39	92.36
62.0-63.0	17.1	1.7	418.2	0.37	92.73
63.0-64.0	15.9	1.6	419.8	0.34	93.08
64.0-65.0	14.7	1.5	421.2	0.32	93.40
65.0-66.0	13.6	1.4	422.6	0.30	93.70
66.0-67.0	12.6	1.3	423.9	0.28	93.98
67.0-68.0	11.7	1.2	425.1	0.26	94.25
68.0-69.0	10.8	1.1	426.2	0.24	94.49
69.0-70.0	9.9	1.0	427.2	0.23	94.72
70.0-71.0	9.1	0.9	428.1	0.21	94.93
71.0-72.0	8.3	0.9	429.0	0.19	95.12

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: 9.028 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	7.6	0.8	429.8	0.18	95.29
73.0-74.0	7.0	0.7	430.5	0.16	95.46
74.0-75.0	6.3	0.7	431.2	0.15	95.60
75.0-76.0	5.7	0.6	431.8	0.13	95.74
76.0-77.0	5.2	0.6	432.4	0.12	95.86
77.0-78.0	4.7	0.5	432.9	0.11	95.97
78.0-79.0	4.2	0.5	433.3	0.10	96.07
79.0-80.0	3.8	0.4	433.7	0.09	96.16
80.0-81.0	3.4	0.4	434.1	0.08	96.25
81.0-82.0	3.1	0.3	434.4	0.07	96.32
82.0-83.0	2.8	0.3	434.7	0.07	96.39
83.0-84.0	2.5	0.3	435.0	0.06	96.45
84.0-85.0	2.3	0.3	435.2	0.06	96.50
85.0-86.0	2.1	0.2	435.5	0.05	96.56
86.0-87.0	2.0	0.2	435.7	0.05	96.61
87.0-88.0	1.9	0.2	435.9	0.05	96.65
88.0-89.0	1.9	0.2	436.1	0.05	96.70
89.0-90.0	1.9	0.2	436.3	0.05	96.74
90.0-91.0	1.8	0.2	436.5	0.04	96.79
91.0-92.0	1.9	0.2	436.7	0.05	96.83
92.0-93.0	1.9	0.2	436.9	0.05	96.88
93.0-94.0	1.9	0.2	437.1	0.05	96.93
94.0-95.0	1.9	0.2	437.3	0.04	96.97
95.0-96.0	1.8	0.2	437.5	0.04	97.01
96.0-97.0	1.8	0.2	437.7	0.04	97.06
97.0-98.0	1.8	0.2	437.9	0.04	97.10
98.0-99.0	1.8	0.2	438.1	0.04	97.15
99.0-100.0	1.8	0.2	438.3	0.04	97.19
100.0-101.0	1.8	0.2	438.5	0.04	97.23
101.0-102.0	1.8	0.2	438.7	0.04	97.27
102.0-103.0	1.8	0.2	438.9	0.04	97.32
103.0-104.0	1.8	0.2	439.1	0.04	97.36
104.0-105.0	1.8	0.2	439.3	0.04	97.40
105.0-106.0	1.8	0.2	439.5	0.04	97.44
106.0-107.0	1.8	0.2	439.7	0.04	97.48
107.0-108.0	1.8	0.2	439.8	0.04	97.52

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	1.8	0.2	440.0	0.04	97.56
109.0-110.0	1.8	0.2	440.2	0.04	97.61
110.0-111.0	1.8	0.2	440.4	0.04	97.65
111.0-112.0	1.8	0.2	440.6	0.04	97.69
112.0-113.0	1.8	0.2	440.8	0.04	97.73
113.0-114.0	1.9	0.2	441.0	0.04	97.77
114.0-115.0	1.9	0.2	441.2	0.04	97.81
115.0-116.0	1.9	0.2	441.3	0.04	97.86
116.0-117.0	1.9	0.2	441.5	0.04	97.90
117.0-118.0	1.9	0.2	441.7	0.04	97.94
118.0-119.0	2.0	0.2	441.9	0.04	97.98
119.0-120.0	2.0	0.2	442.1	0.04	98.02
120.0-121.0	2.0	0.2	442.3	0.04	98.06
121.0-122.0	2.0	0.2	442.5	0.04	98.11
122.0-123.0	2.1	0.2	442.7	0.04	98.15
123.0-124.0	2.1	0.2	442.9	0.04	98.19
124.0-125.0	2.1	0.2	443.0	0.04	98.23
125.0-126.0	2.1	0.2	443.2	0.04	98.28
126.0-127.0	2.2	0.2	443.4	0.04	98.32
127.0-128.0	2.2	0.2	443.6	0.04	98.36
128.0-129.0	2.2	0.2	443.8	0.04	98.40
129.0-130.0	2.3	0.2	444.0	0.04	98.45
130.0-131.0	2.3	0.2	444.2	0.04	98.49
131.0-132.0	2.3	0.2	444.4	0.04	98.53
132.0-133.0	2.4	0.2	444.6	0.04	98.58
133.0-134.0	2.5	0.2	444.8	0.04	98.62
134.0-135.0	2.5	0.2	445.0	0.04	98.66
135.0-136.0	2.6	0.2	445.2	0.04	98.71
136.0-137.0	2.6	0.2	445.4	0.04	98.75
137.0-138.0	2.7	0.2	445.6	0.04	98.79
138.0-139.0	2.7	0.2	445.8	0.04	98.84
139.0-140.0	2.8	0.2	446.0	0.04	98.88
140.0-141.0	2.8	0.2	446.2	0.04	98.92
141.0-142.0	2.9	0.2	446.4	0.04	98.97
142.0-143.0	2.9	0.2	446.6	0.04	99.01
143.0-144.0	3.0	0.2	446.7	0.04	99.05

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	3.0	0.2	446.9	0.04	99.10
145.0-146.0	3.1	0.2	447.1	0.04	99.14
146.0-147.0	3.1	0.2	447.3	0.04	99.18
147.0-148.0	3.2	0.2	447.5	0.04	99.22
148.0-149.0	3.2	0.2	447.7	0.04	99.26
149.0-150.0	3.3	0.2	447.9	0.04	99.30
150.0-151.0	3.3	0.2	448.1	0.04	99.34
151.0-152.0	3.4	0.2	448.2	0.04	99.38
152.0-153.0	3.5	0.2	448.4	0.04	99.42
153.0-154.0	3.5	0.2	448.6	0.04	99.46
154.0-155.0	3.6	0.2	448.7	0.04	99.50
155.0-156.0	3.6	0.2	448.9	0.04	99.53
156.0-157.0	3.6	0.2	449.1	0.04	99.57
157.0-158.0	3.7	0.2	449.2	0.03	99.60
158.0-159.0	3.7	0.1	449.4	0.03	99.64
159.0-160.0	3.8	0.1	449.5	0.03	99.67
160.0-161.0	3.8	0.1	449.7	0.03	99.70
161.0-162.0	3.8	0.1	449.8	0.03	99.73
162.0-163.0	3.9	0.1	449.9	0.03	99.76
163.0-164.0	3.9	0.1	450.0	0.03	99.78
164.0-165.0	3.9	0.1	450.2	0.03	99.81
165.0-166.0	3.9	0.1	450.3	0.02	99.83
166.0-167.0	4.0	0.1	450.4	0.02	99.86
167.0-168.0	4.0	0.1	450.5	0.02	99.88
168.0-169.0	4.0	0.1	450.5	0.02	99.90
169.0-170.0	4.0	0.1	450.6	0.02	99.91
170.0-171.0	4.0	0.1	450.7	0.02	99.93
171.0-172.0	4.0	0.1	450.8	0.01	99.94
172.0-173.0	4.0	0.1	450.8	0.01	99.96
173.0-174.0	4.0	0.1	450.9	0.01	99.97
174.0-175.0	4.1	0.0	450.9	0.01	99.98
175.0-176.0	4.1	0.0	451.0	0.01	99.99
176.0-177.0	4.1	0.0	451.0	0.01	99.99
177.0-178.0	4.1	0.0	451.0	0.00	100.00
178.0-179.0	4.1	0.0	451.0	0.00	100.00
179.0-180.0	4.1	0.0	451.0	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: