GENLED Brands
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Report No.: **Test Time: 2023/2/21 11:23**

Luminaire Property

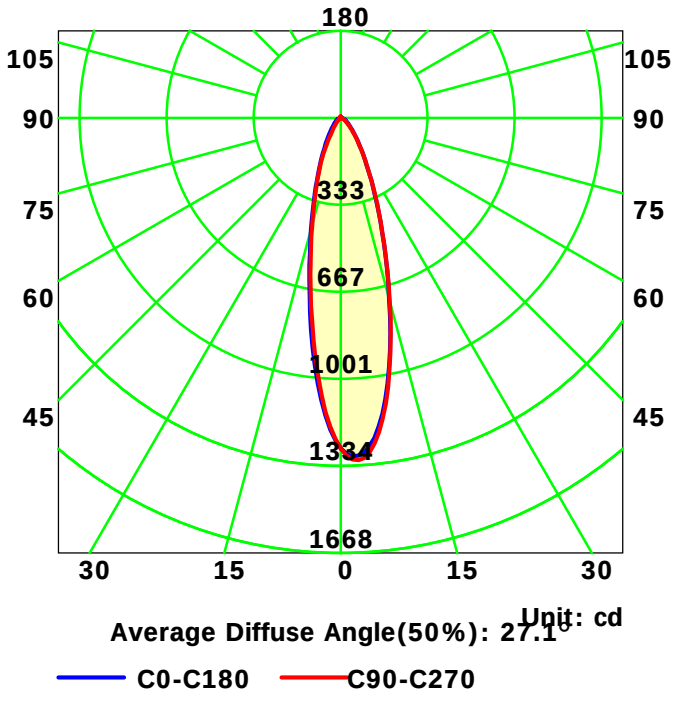
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: 25
Lamp Catalog: G
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.3 V
Current: 0.101 A
Power: 9.04 W
Power Factor: 0.406

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 518.5 lm
Measurement Flux: 518.5 lm
Efficiency: 100%
Downward Ratio: 97%
Upward Ratio: 3%
Horizontal Diffuse Angle(10%,50%): H63.6,H27.3
Vertical Diffuse Angle(10%,50%): V61.6,V26.9
Luminaire Efficacy Rating (LER): 57
Central Intensity: 1266.53 cd
Max. Intensity: 1318.69 cd
Pos of Max. Intensity: H60 V3

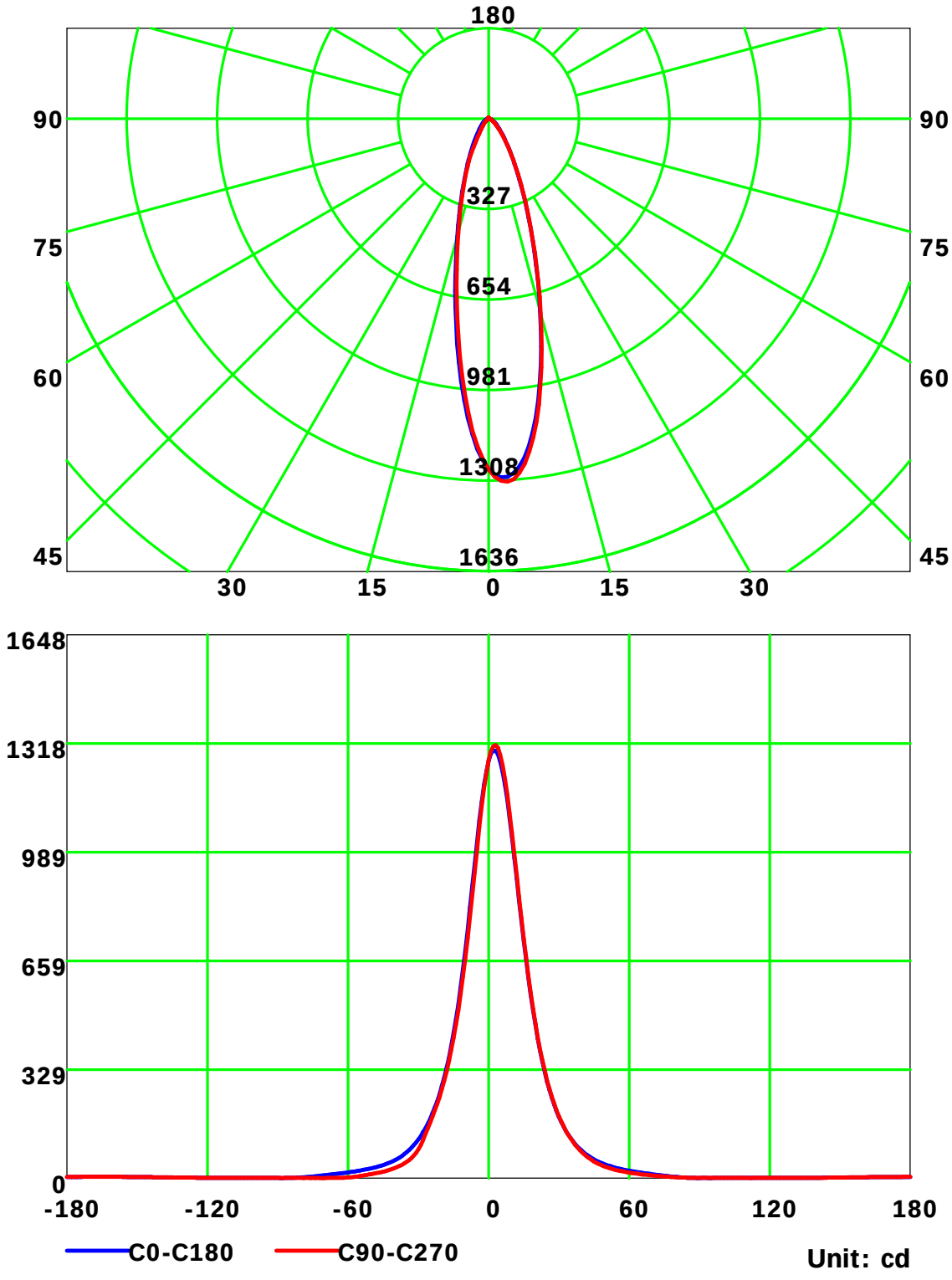
Picture Of Luminaire

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



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Gamma Plane (°):0.0-180.0:1.0
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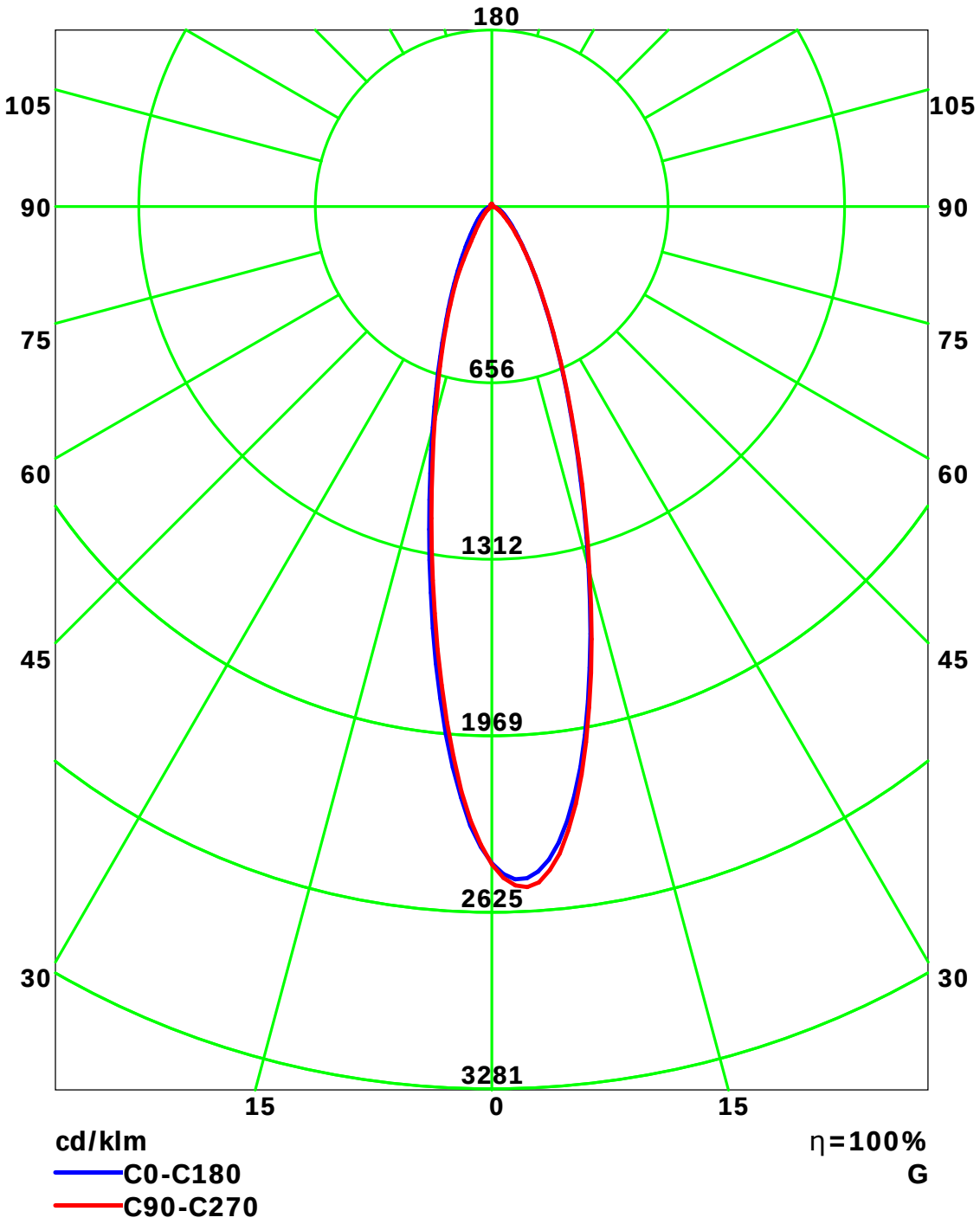
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
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Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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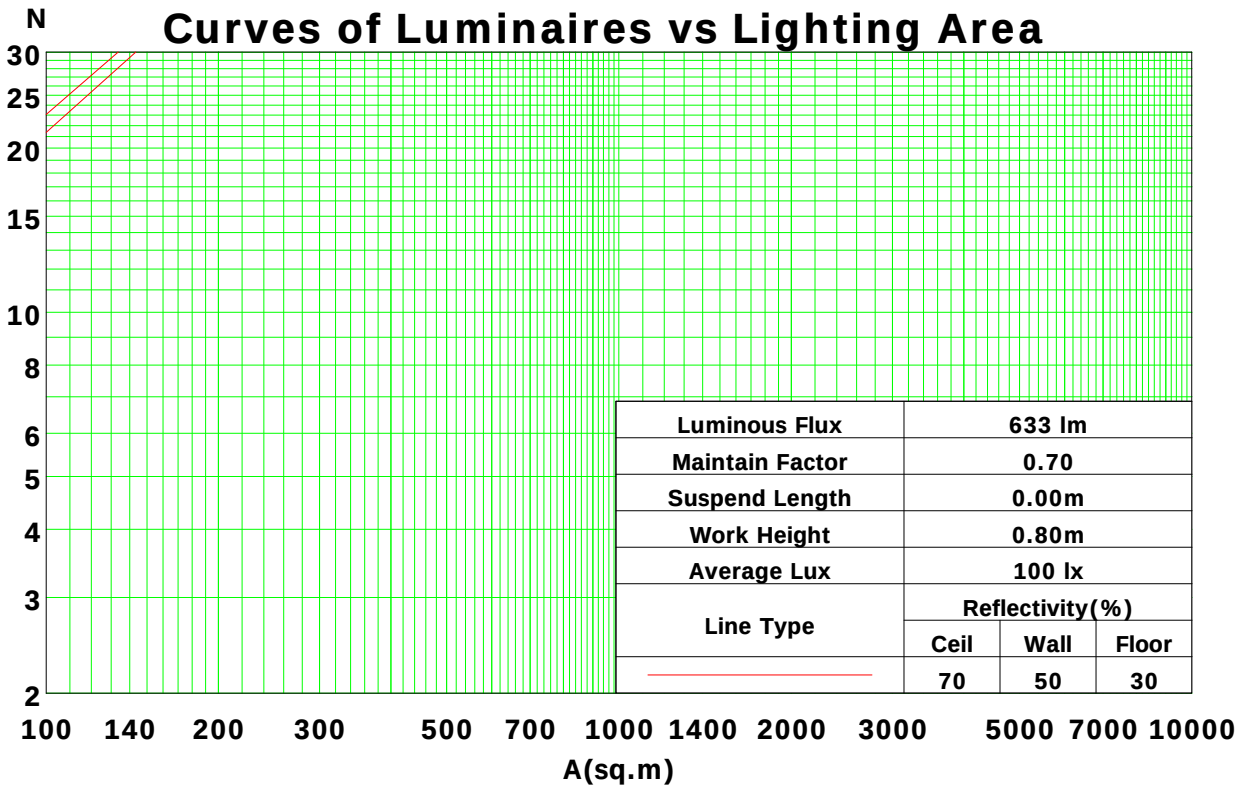
Humidity: 60%
Inspector:

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	110	107	105	110	107	105	103	103	101	99	98	97	96	94	93	92	90
2	107	102	98	94	104	100	96	93	96	93	90	93	90	88	90	88	86	84
3	102	95	90	86	99	93	89	85	90	87	83	88	84	82	85	82	80	78
4	97	89	84	79	95	88	83	79	85	81	78	83	79	76	81	78	75	74
5	92	84	78	74	90	83	78	74	81	76	73	79	75	72	77	74	71	69
6	88	79	74	69	86	78	73	69	77	72	68	75	71	68	73	70	67	66
7	84	75	70	65	83	74	69	65	73	68	65	72	67	64	70	66	64	62
8	81	72	66	62	79	71	66	62	70	65	61	68	64	61	67	63	61	59
9	77	68	63	59	76	68	62	59	67	62	58	66	61	58	65	61	58	56
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	62	58	55	54

Spacing Criteria (0-180): 0.46
Spacing Criteria (90-270): 0.46
Spacing Criteria (Diagonal): 0.51

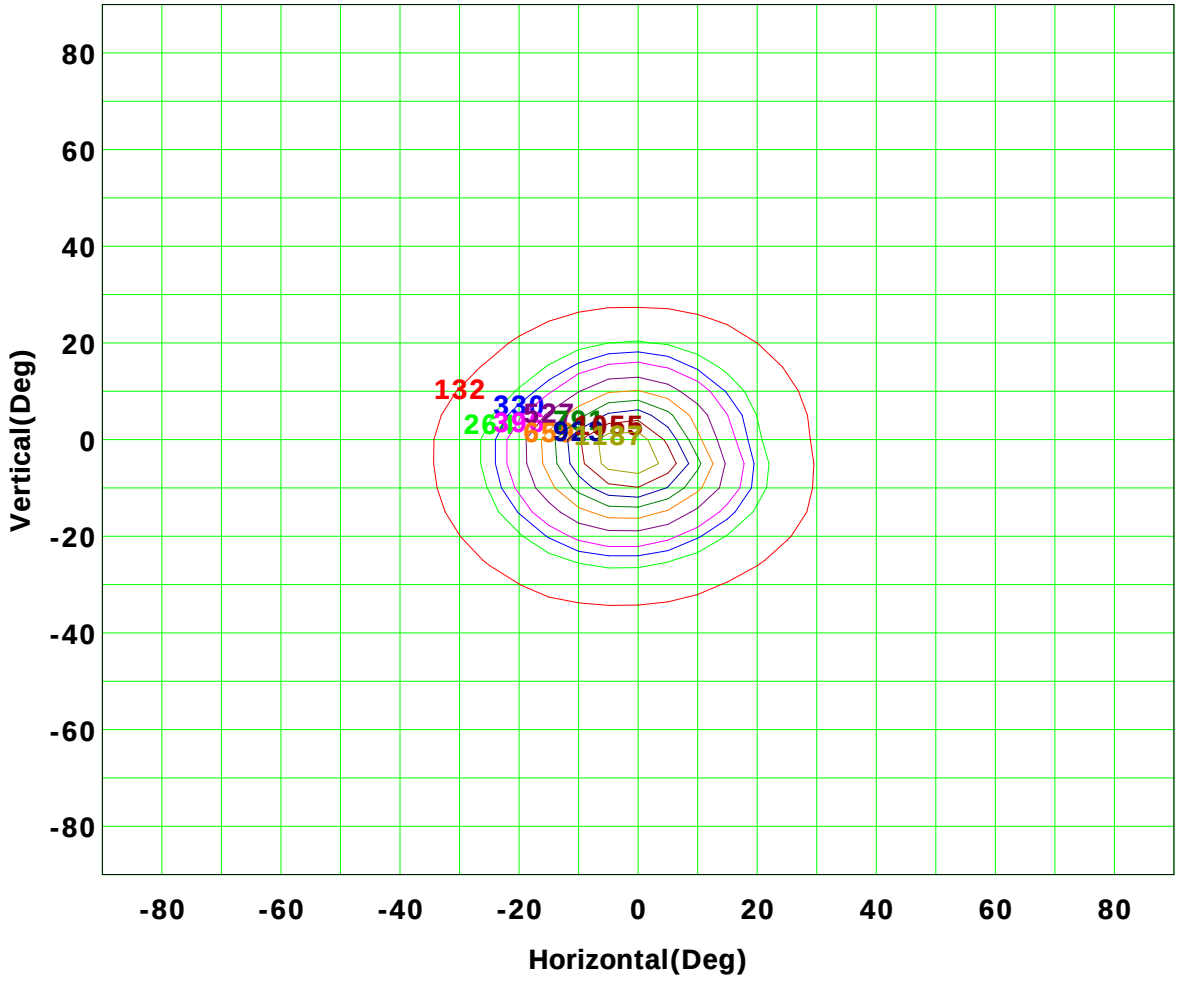
Curves of Luminaires vs Lighting Area



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)



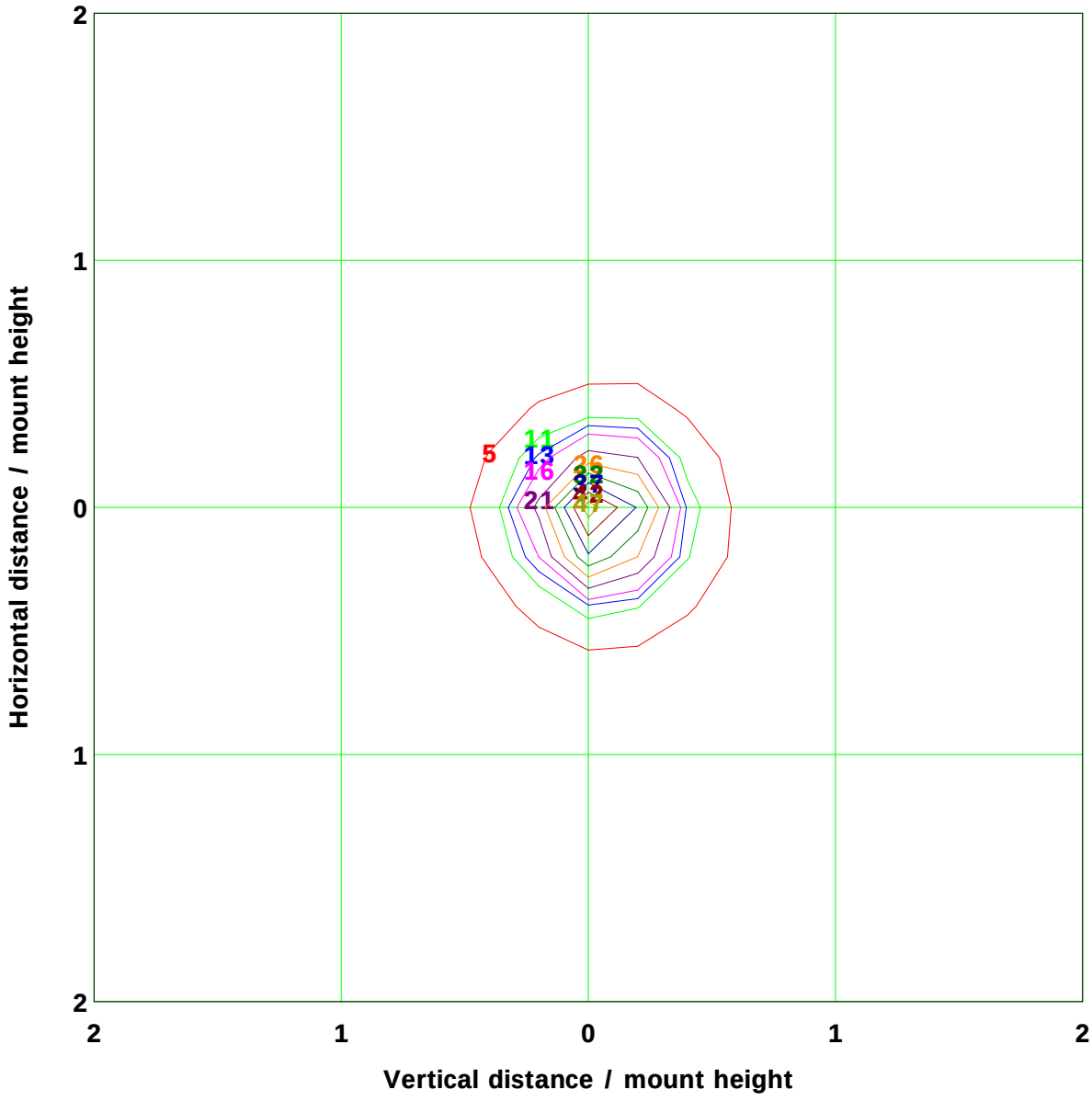
Imax (100%): 1319 cd

(10%): 132 cd	(20%): 264 cd
(25%): 330 cd	(30%): 396 cd
(40%): 527 cd	(50%): 659 cd
(60%): 791 cd	(70%): 923 cd
(80%): 1055 cd	(90%): 1187 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%): 52.5 lx

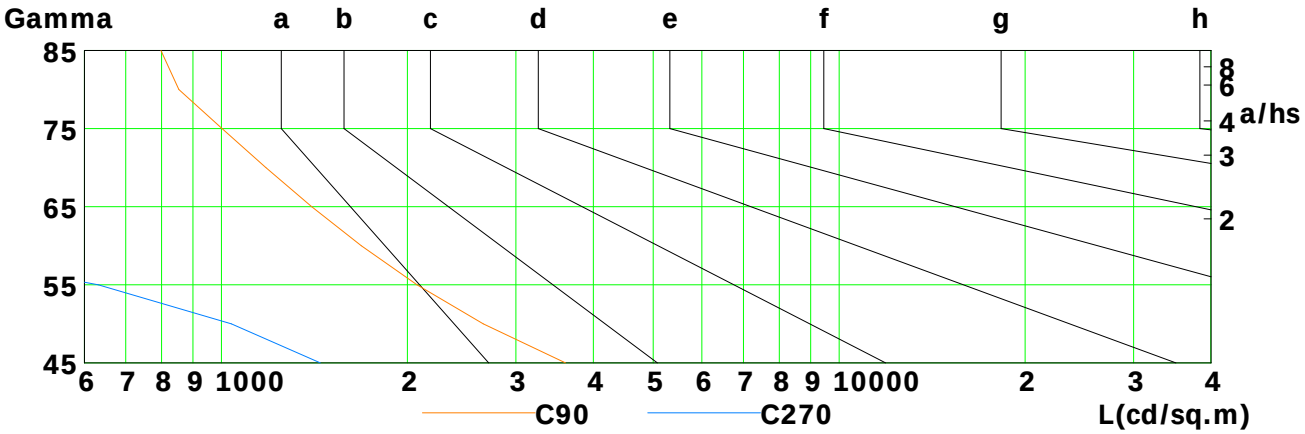
(10%): 5.3 lx	(20%): 10.5 lx
(25%): 13.1 lx	(30%): 15.8 lx
(40%): 21.0 lx	(50%): 26.3 lx
(60%): 31.5 lx	(70%): 36.8 lx
(80%): 42.0 lx	(90%): 47.3 lx

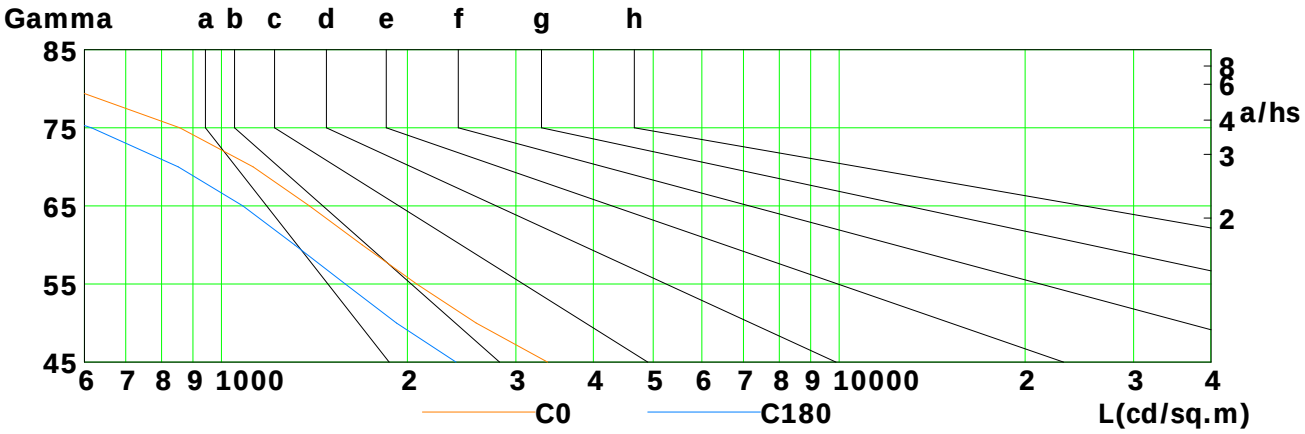
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



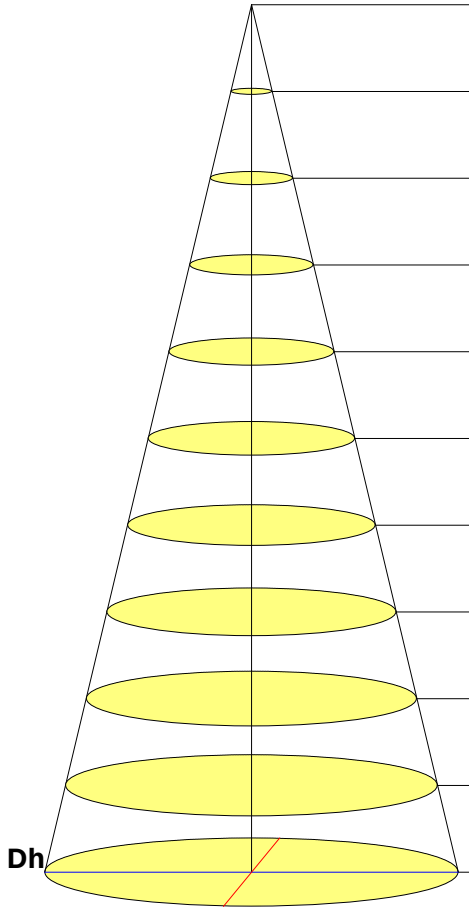


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3375	2587	2070	1692	1390	1126	857	572	346
C90	3609	2653	2075	1684	1400	1181	1003	854	799
C180	2399	1922	1587	1315	1084	852	616	401	253
C270	1447	1038	632	308	209	203	267	365	569

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



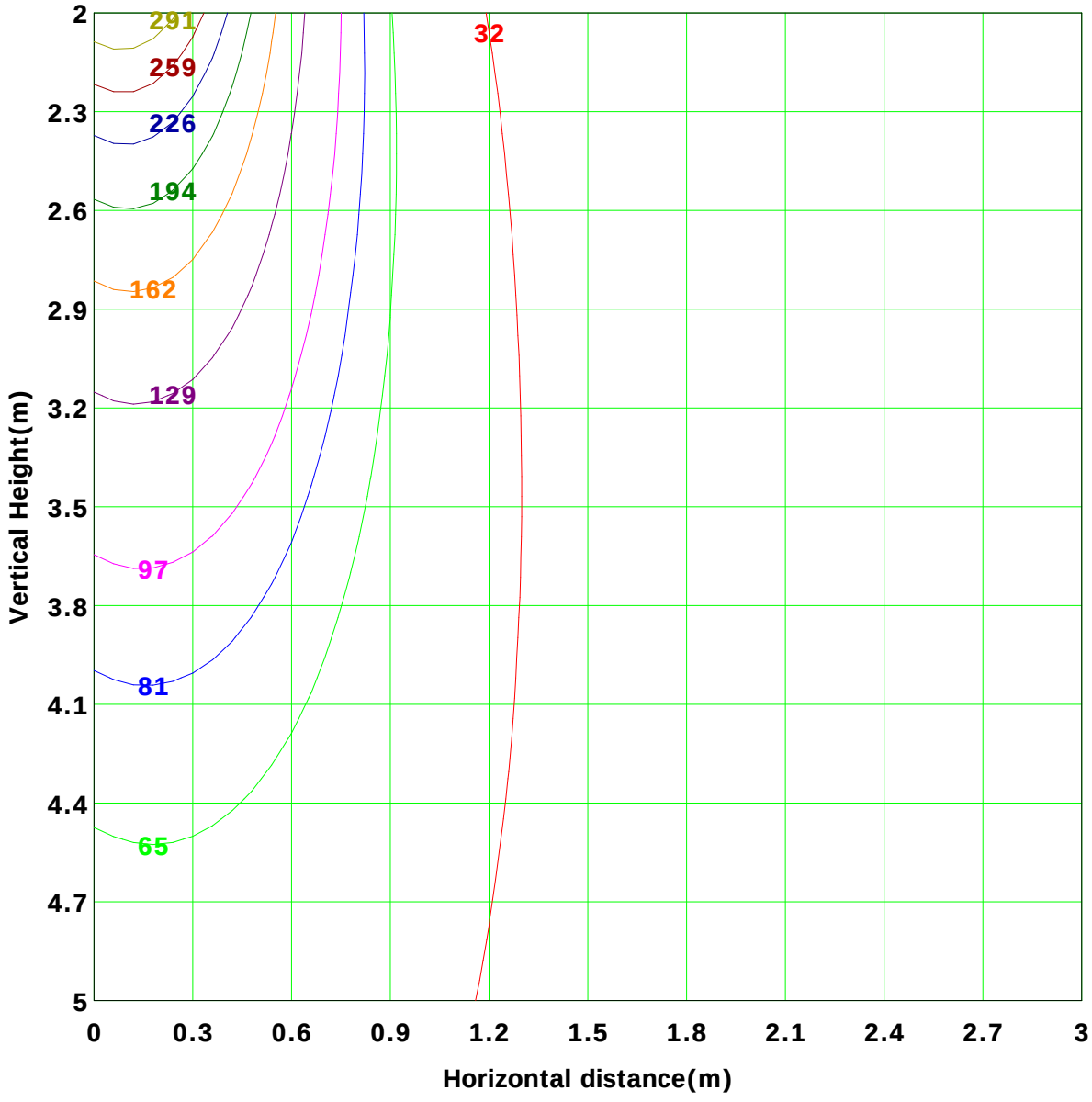
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1266.53	0.49/0.48	0.2	747.57
2.0	316.63	0.97/0.96	0.8	186.89
3.0	140.73	1.46/1.43	1.7	83.06
4.0	79.16	1.94/1.91	3.0	46.72
5.0	50.66	2.43/2.39	4.7	29.90
6.0	35.18	2.91/2.87	6.8	20.77
7.0	25.85	3.40/3.35	9.3	15.26
8.0	19.79	3.89/3.82	12.1	11.68
9.0	15.64	4.37/4.30	15.4	9.23
10.0	12.67	4.86/4.78	19.0	7.48

Beam Angle(B): H27.3 V26.9 Field Angle(F): H63.6 V61.6

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: 323.5 lx

(10%): 32.3 lx	(20%): 64.7 lx
(25%): 80.9 lx	(30%): 97.0 lx
(40%): 129.4 lx	(50%): 161.7 lx
(60%): 194.1 lx	(70%): 226.4 lx
(80%): 258.8 lx	(90%): 291.1 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: 9.028 m
Humidity: 60%
Inspector:

Area Flux Table

Unit: lm

Vertical plane (columns) / Horizontal plane (rows)

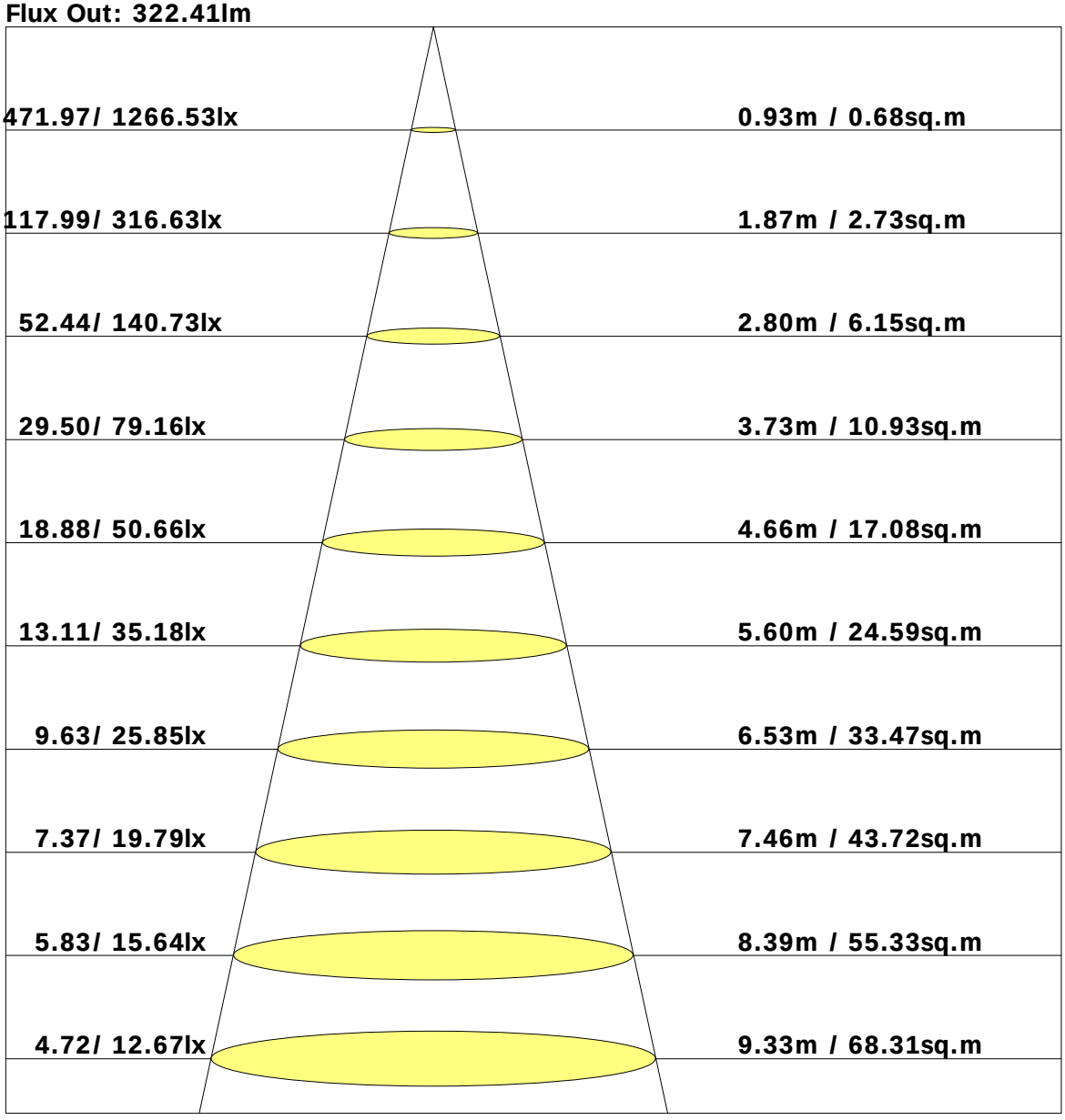
Horizontal plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-80	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	0.0	1.8	0.0	0.0	0.1	0.1	0.1	0.1	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	3.9	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	
-50	0.0	7.5	0.1	0.1	0.2	0.3	0.4	0.6	0.8	0.9	0.9	0.9	0.8	0.6	0.4	0.3	0.1	0.1	0.0	0.0	
-40	0.0	14.4	0.1	0.1	0.3	0.4	0.7	1.0	1.5	2.0	2.1	2.0	1.6	1.1	0.7	0.4	0.2	0.1	0.0	0.0	
-30	16.1	29.2	0.1	0.2	0.3	0.6	1.0	1.7	3.0	4.8	5.5	4.8	3.5	2.0	1.0	0.5	0.2	0.1	0.0	0.0	
-20	51.6	61.4	0.1	0.2	0.4	0.7	1.3	2.6	5.5	10.8	15.0	11.9	7.2	3.5	1.3	0.6	0.2	0.1	0.1	0.0	
-10	101.8	110.7	0.1	0.2	0.4	0.8	1.6	3.6	8.4	19.4	32.2	24.6	11.9	4.9	1.6	0.7	0.2	0.1	0.1	0.1	
0	112.8	121.6	0.1	0.2	0.4	0.8	1.6	3.8	9.2	21.6	35.5	28.0	12.6	5.0	1.6	0.7	0.2	0.1	0.1	0.1	
10	69.2	78.4	0.1	0.2	0.4	0.7	1.5	3.2	7.0	14.0	20.7	16.4	8.2	3.7	1.4	0.6	0.2	0.1	0.0	0.0	
20	27.5	38.5	0.1	0.2	0.3	0.6	1.1	2.1	3.9	6.5	8.3	7.1	4.1	2.2	1.0	0.5	0.2	0.1	0.0	0.0	
30	3.4	18.4	0.1	0.1	0.3	0.5	0.8	1.3	2.0	2.7	3.2	2.9	2.0	1.2	0.7	0.4	0.2	0.1	0.0	0.0	
40	0.0	9.1	0.1	0.1	0.2	0.3	0.5	0.7	1.0	1.2	1.3	1.2	1.0	0.7	0.4	0.3	0.1	0.1	0.0	0.0	
50	0.0	4.6	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	
60	0.0	2.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	
70	0.0	0.7	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	
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	
90																					
Flux(T)		503	0.8	1.8	3.6	6.3	11.4	21.8	43.6	85.3	126.3	101.1	54.2	26.0	11.0	5.2	2.3	0.9	0.6	0.6	
Flux(E)	383		0.0	0.0	0.0	0.0	0.0	4.5	33.1	77.2	118.5	93.1	44.7	11.4	0.0	0.0	0.0	0.0	0.0	0.0	

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

Flux Out: 322.41lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / 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:

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	12.8	13.8	13.2	14.2	14.6	11.6	12.6	12.0	13.0	13.4
3H	14.0	15.0	14.5	15.3	15.8	12.5	13.4	12.9	13.8	14.2
4H	14.5	15.3	14.9	15.7	16.2	12.8	13.6	13.2	14.0	14.5
6H	14.7	15.5	15.2	15.9	16.4	12.9	13.7	13.4	14.1	14.6
8H	14.8	15.5	15.3	16.0	16.5	13.0	13.7	13.4	14.1	14.6
12H	14.8	15.5	15.3	16.0	16.5	13.0	13.7	13.5	14.1	14.6
X=4H Y=2H	12.8	13.7	13.3	14.1	14.5	12.0	12.9	12.5	13.3	13.7
3H	14.2	14.9	14.7	15.4	15.8	13.1	13.8	13.5	14.2	14.7
4H	14.7	15.3	15.2	15.8	16.3	13.4	14.0	13.9	14.5	15.0
6H	15.0	15.6	15.6	16.1	16.6	13.7	14.2	14.2	14.7	15.2
8H	15.1	15.7	15.7	16.2	16.7	13.7	14.2	14.2	14.7	15.3
12H	15.2	15.7	15.8	16.2	16.7	13.8	14.2	14.3	14.7	15.3
X=8H Y=4H	14.6	15.1	15.2	15.6	16.2	13.6	14.1	14.1	14.6	15.1
6H	15.0	15.4	15.6	16.0	16.6	13.9	14.3	14.4	14.8	15.4
8H	15.2	15.5	15.8	16.1	16.7	14.0	14.3	14.6	14.9	15.5
12H	15.3	15.6	15.9	16.2	16.8	14.1	14.4	14.7	14.9	15.6
X=12H Y=4H	14.6	15.0	15.1	15.6	16.1	13.6	14.0	14.1	14.5	15.1
6H	15.0	15.4	15.6	15.9	16.5	13.9	14.2	14.5	14.8	15.4
8H	15.2	15.5	15.7	16.0	16.7	14.0	14.3	14.6	14.9	15.5

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	0.84	0.90	0.94	0.97	1.02	1.04	1.06	1.09	1.10
	0.30		0.79	0.86	0.90	0.93	0.98	1.01	1.03	1.06	1.08
	0.20		0.76	0.82	0.87	0.90	0.95	0.98	1.01	1.04	1.06
0.50	0.50	0.20	0.83	0.88	0.92	0.95	0.98	1.01	1.02	1.04	1.06
	0.30		0.78	0.84	0.88	0.91	0.95	0.98	1.00	1.02	1.04
	0.20		0.75	0.81	0.85	0.88	0.93	0.96	0.98	1.01	1.03
0.30	0.50	0.20	0.81	0.86	0.90	0.92	0.95	0.97	0.99	1.00	1.01
	0.30		0.78	0.83	0.87	0.89	0.93	0.95	0.97	0.99	1.00
	0.20		0.75	0.80	0.84	0.87	0.91	0.93	0.95	0.97	0.99
0.00	0.00	0.00	0.73	0.78	0.81	0.84	0.87	0.89	0.91	0.93	0.94

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	0.59	0.48	0.41	0.36	0.28	0.23	0.20	0.16	0.13
	0.30		0.50	0.41	0.36	0.31	0.26	0.21	0.19	0.15	0.12
	0.20		0.42	0.36	0.32	0.28	0.23	0.20	0.17	0.14	0.11
0.50	0.50	0.20	0.56	0.45	0.38	0.33	0.26	0.25	0.18	0.14	0.11
	0.30		0.47	0.39	0.34	0.30	0.24	0.20	0.17	0.13	0.11
	0.20		0.41	0.35	0.30	0.27	0.22	0.18	0.16	0.13	0.11
0.30	0.50	0.20	0.53	0.42	0.36	0.31	0.24	0.20	0.17	0.13	0.10
	0.30		0.45	0.37	0.32	0.28	0.22	0.18	0.16	0.12	0.10
	0.20		0.40	0.33	0.29	0.25	0.21	0.17	0.15	0.12	0.10
0.00	0.00	0.00	0.26	0.21	0.17	0.15	0.12	0.10	0.08	0.06	0.05

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	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.22	0.22
	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	0.15	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22
	0.30		0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	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	1268.6	1.2	1.2	0.23	0.23
1.0-2.0	1258.3	3.6	4.8	0.70	0.93
2.0-3.0	1237.4	5.9	10.7	1.14	2.07
3.0-4.0	1206.9	8.1	18.8	1.56	3.63
4.0-5.0	1167.9	10.0	28.9	1.94	5.57
5.0-6.0	1121.6	11.8	40.7	2.27	7.84
6.0-7.0	1069.5	13.3	53.9	2.56	10.40
7.0-8.0	1013.2	14.5	68.4	2.80	13.20
8.0-9.0	954.1	15.5	83.9	2.98	16.18
9.0-10.0	893.4	16.2	100.1	3.12	19.30
10.0-11.0	832.3	16.6	116.7	3.21	22.51
11.0-12.0	771.7	16.9	133.6	3.25	25.76
12.0-13.0	713.1	16.9	150.5	3.26	29.03
13.0-14.0	657.6	16.8	167.3	3.25	32.27
14.0-15.0	604.3	16.6	183.9	3.20	35.47
15.0-16.0	554.3	16.2	200.2	3.13	38.61
16.0-17.0	508.3	15.8	216.0	3.05	41.66
17.0-18.0	464.9	15.3	231.3	2.96	44.62
18.0-19.0	424.8	14.8	246.1	2.85	47.47
19.0-20.0	388.4	14.2	260.3	2.74	50.21
20.0-21.0	354.7	13.6	274.0	2.63	52.84
21.0-22.0	323.8	13.0	287.0	2.51	55.35
22.0-23.0	295.8	12.4	299.4	2.39	57.74
23.0-24.0	270.2	11.8	311.2	2.28	60.02
24.0-25.0	246.6	11.2	322.4	2.16	62.18
25.0-26.0	225.2	10.6	333.0	2.05	64.23
26.0-27.0	205.6	10.1	343.1	1.94	66.17
27.0-28.0	187.4	9.5	352.6	1.83	68.00
28.0-29.0	170.9	8.9	361.5	1.72	69.73
29.0-30.0	155.9	8.4	370.0	1.62	71.35
30.0-31.0	142.1	7.9	377.9	1.52	72.87
31.0-32.0	129.5	7.4	385.3	1.43	74.31
32.0-33.0	118.3	7.0	392.2	1.34	75.65
33.0-34.0	108.0	6.5	398.8	1.26	76.91
34.0-35.0	98.9	6.1	404.9	1.18	78.10
35.0-36.0	90.7	5.8	410.7	1.11	79.21

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	83.4	5.4	416.2	1.05	80.26
37.0-38.0	76.7	5.1	421.3	0.99	81.25
38.0-39.0	70.8	4.8	426.1	0.93	82.18
39.0-40.0	65.3	4.6	430.7	0.88	83.06
40.0-41.0	60.4	4.3	435.0	0.83	83.89
41.0-42.0	55.9	4.1	439.0	0.78	84.67
42.0-43.0	51.8	3.8	442.9	0.74	85.41
43.0-44.0	48.1	3.6	446.5	0.70	86.11
44.0-45.0	44.7	3.4	449.9	0.66	86.77
45.0-46.0	41.5	3.2	453.2	0.63	87.40
46.0-47.0	38.7	3.1	456.3	0.59	87.99
47.0-48.0	36.0	2.9	459.2	0.56	88.56
48.0-49.0	33.6	2.8	461.9	0.53	89.09
49.0-50.0	31.4	2.6	464.5	0.50	89.59
50.0-51.0	29.3	2.5	467.0	0.48	90.07
51.0-52.0	27.4	2.3	469.4	0.45	90.52
52.0-53.0	25.6	2.2	471.6	0.43	90.95
53.0-54.0	23.9	2.1	473.7	0.41	91.36
54.0-55.0	22.4	2.0	475.7	0.39	91.74
55.0-56.0	20.9	1.9	477.6	0.37	92.11
56.0-57.0	19.6	1.8	479.4	0.35	92.45
57.0-58.0	18.3	1.7	481.1	0.33	92.78
58.0-59.0	17.1	1.6	482.7	0.31	93.09
59.0-60.0	16.0	1.5	484.2	0.29	93.38
60.0-61.0	14.9	1.4	485.6	0.27	93.65
61.0-62.0	13.9	1.3	486.9	0.26	93.91
62.0-63.0	13.0	1.3	488.2	0.24	94.16
63.0-64.0	12.1	1.2	489.4	0.23	94.39
64.0-65.0	11.3	1.1	490.5	0.22	94.60
65.0-66.0	10.6	1.1	491.6	0.20	94.81
66.0-67.0	9.9	1.0	492.6	0.19	95.00
67.0-68.0	9.2	0.9	493.5	0.18	95.18
68.0-69.0	8.6	0.9	494.4	0.17	95.35
69.0-70.0	8.0	0.8	495.2	0.16	95.51
70.0-71.0	7.4	0.8	496.0	0.15	95.65
71.0-72.0	6.8	0.7	496.7	0.14	95.79

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	6.3	0.7	497.3	0.13	95.92
73.0-74.0	5.8	0.6	497.9	0.12	96.03
74.0-75.0	5.3	0.6	498.5	0.11	96.14
75.0-76.0	4.8	0.5	499.0	0.10	96.24
76.0-77.0	4.4	0.5	499.5	0.09	96.33
77.0-78.0	4.0	0.4	499.9	0.08	96.41
78.0-79.0	3.7	0.4	500.3	0.08	96.49
79.0-80.0	3.3	0.4	500.7	0.07	96.56
80.0-81.0	3.1	0.3	501.0	0.06	96.62
81.0-82.0	2.8	0.3	501.3	0.06	96.68
82.0-83.0	2.5	0.3	501.6	0.05	96.73
83.0-84.0	2.3	0.3	501.8	0.05	96.78
84.0-85.0	2.2	0.2	502.1	0.05	96.83
85.0-86.0	2.0	0.2	502.3	0.04	96.87
86.0-87.0	1.9	0.2	502.5	0.04	96.91
87.0-88.0	1.9	0.2	502.7	0.04	96.95
88.0-89.0	1.8	0.2	502.9	0.04	96.99
89.0-90.0	1.8	0.2	503.1	0.04	97.03
90.0-91.0	1.8	0.2	503.3	0.04	97.07
91.0-92.0	1.8	0.2	503.5	0.04	97.10
92.0-93.0	1.8	0.2	503.7	0.04	97.14
93.0-94.0	1.8	0.2	503.9	0.04	97.18
94.0-95.0	1.8	0.2	504.1	0.04	97.22
95.0-96.0	1.8	0.2	504.3	0.04	97.26
96.0-97.0	1.8	0.2	504.5	0.04	97.29
97.0-98.0	1.8	0.2	504.7	0.04	97.33
98.0-99.0	1.8	0.2	504.9	0.04	97.37
99.0-100.0	1.8	0.2	505.1	0.04	97.40
100.0-101.0	1.8	0.2	505.2	0.04	97.44
101.0-102.0	1.8	0.2	505.4	0.04	97.48
102.0-103.0	1.7	0.2	505.6	0.04	97.51
103.0-104.0	1.7	0.2	505.8	0.04	97.55
104.0-105.0	1.7	0.2	506.0	0.04	97.59
105.0-106.0	1.7	0.2	506.2	0.04	97.62
106.0-107.0	1.8	0.2	506.4	0.04	97.66
107.0-108.0	1.8	0.2	506.5	0.04	97.69

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	506.7	0.04	97.73
109.0-110.0	1.8	0.2	506.9	0.04	97.76
110.0-111.0	1.8	0.2	507.1	0.04	97.80
111.0-112.0	1.8	0.2	507.3	0.04	97.83
112.0-113.0	1.8	0.2	507.5	0.04	97.87
113.0-114.0	1.8	0.2	507.6	0.04	97.90
114.0-115.0	1.9	0.2	507.8	0.04	97.94
115.0-116.0	1.9	0.2	508.0	0.04	97.98
116.0-117.0	1.9	0.2	508.2	0.04	98.01
117.0-118.0	1.9	0.2	508.4	0.04	98.05
118.0-119.0	1.9	0.2	508.6	0.04	98.08
119.0-120.0	2.0	0.2	508.8	0.04	98.12
120.0-121.0	2.0	0.2	508.9	0.04	98.15
121.0-122.0	2.0	0.2	509.1	0.04	98.19
122.0-123.0	2.0	0.2	509.3	0.04	98.23
123.0-124.0	2.1	0.2	509.5	0.04	98.26
124.0-125.0	2.1	0.2	509.7	0.04	98.30
125.0-126.0	2.1	0.2	509.9	0.04	98.34
126.0-127.0	2.2	0.2	510.1	0.04	98.37
127.0-128.0	2.2	0.2	510.3	0.04	98.41
128.0-129.0	2.3	0.2	510.5	0.04	98.45
129.0-130.0	2.3	0.2	510.7	0.04	98.49
130.0-131.0	2.4	0.2	510.9	0.04	98.52
131.0-132.0	2.4	0.2	511.1	0.04	98.56
132.0-133.0	2.5	0.2	511.3	0.04	98.60
133.0-134.0	2.6	0.2	511.5	0.04	98.64
134.0-135.0	2.6	0.2	511.7	0.04	98.68
135.0-136.0	2.7	0.2	511.9	0.04	98.72
136.0-137.0	2.7	0.2	512.1	0.04	98.76
137.0-138.0	2.8	0.2	512.3	0.04	98.80
138.0-139.0	2.9	0.2	512.5	0.04	98.84
139.0-140.0	3.0	0.2	512.7	0.04	98.88
140.0-141.0	3.0	0.2	512.9	0.04	98.92
141.0-142.0	3.1	0.2	513.1	0.04	98.96
142.0-143.0	3.2	0.2	513.3	0.04	99.00
143.0-144.0	3.3	0.2	513.6	0.04	99.04

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	3.4	0.2	513.8	0.04	99.09
145.0-146.0	3.4	0.2	514.0	0.04	99.13
146.0-147.0	3.5	0.2	514.2	0.04	99.17
147.0-148.0	3.6	0.2	514.4	0.04	99.21
148.0-149.0	3.7	0.2	514.6	0.04	99.25
149.0-150.0	3.8	0.2	514.8	0.04	99.29
150.0-151.0	3.8	0.2	515.0	0.04	99.33
151.0-152.0	3.9	0.2	515.2	0.04	99.37
152.0-153.0	4.0	0.2	515.4	0.04	99.41
153.0-154.0	4.1	0.2	515.6	0.04	99.45
154.0-155.0	4.1	0.2	515.8	0.04	99.48
155.0-156.0	4.2	0.2	516.0	0.04	99.52
156.0-157.0	4.3	0.2	516.2	0.04	99.56
157.0-158.0	4.3	0.2	516.4	0.04	99.59
158.0-159.0	4.4	0.2	516.6	0.03	99.63
159.0-160.0	4.4	0.2	516.7	0.03	99.66
160.0-161.0	4.5	0.2	516.9	0.03	99.69
161.0-162.0	4.5	0.2	517.1	0.03	99.72
162.0-163.0	4.6	0.2	517.2	0.03	99.75
163.0-164.0	4.6	0.1	517.4	0.03	99.78
164.0-165.0	4.7	0.1	517.5	0.03	99.80
165.0-166.0	4.7	0.1	517.6	0.02	99.83
166.0-167.0	4.7	0.1	517.7	0.02	99.85
167.0-168.0	4.7	0.1	517.9	0.02	99.87
168.0-169.0	4.7	0.1	518.0	0.02	99.89
169.0-170.0	4.7	0.1	518.1	0.02	99.91
170.0-171.0	4.7	0.1	518.1	0.02	99.93
171.0-172.0	4.8	0.1	518.2	0.01	99.94
172.0-173.0	4.8	0.1	518.3	0.01	99.96
173.0-174.0	4.8	0.1	518.3	0.01	99.97
174.0-175.0	4.8	0.1	518.4	0.01	99.98
175.0-176.0	4.8	0.0	518.4	0.01	99.99
176.0-177.0	4.8	0.0	518.5	0.01	99.99
177.0-178.0	4.8	0.0	518.5	0.00	100.00
178.0-179.0	4.8	0.0	518.5	0.00	100.00
179.0-180.0	4.8	0.0	518.5	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: