GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
Fax:

Report No.: **Test Time: 2023/2/20 15:41**

Luminaire Property

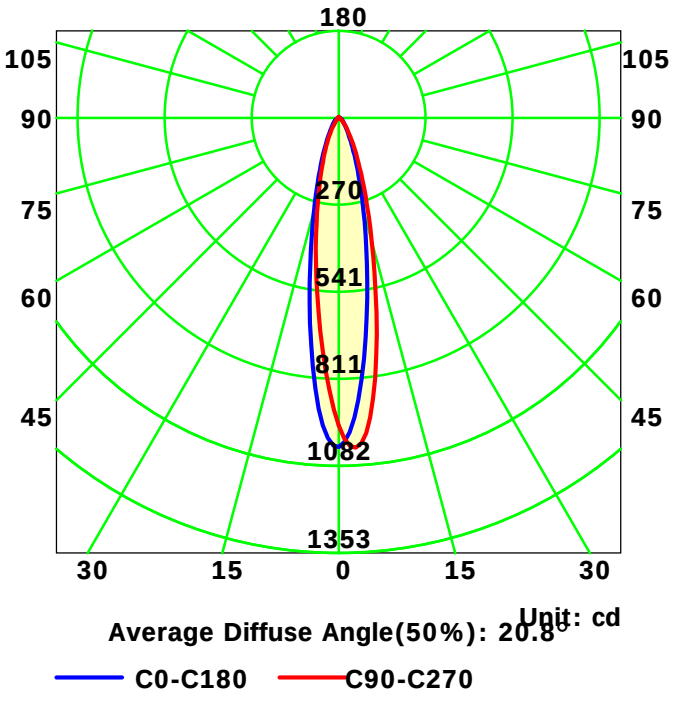
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: 20
Lamp Catalog: R
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.5 V
Current: 0.080 A
Power: 6.91 W
Power Factor: 0.394

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 288.7 lm
Measurement Flux: 288.7 lm
Efficiency: 100%
Downward Ratio: 96%
Upward Ratio: 4%
Horizontal Diffuse Angle(10%,50%): H50.2,H20.3
Vertical Diffuse Angle(10%,50%): V51.8,V21.3
Luminaire Efficacy Rating (LER): 42
Central Intensity: 1023.06 cd
Max. Intensity: 1065.17 cd
Pos of Max. Intensity: H150 V4

Picture Of Luminaire

Luminous Intensity Distribution Curve



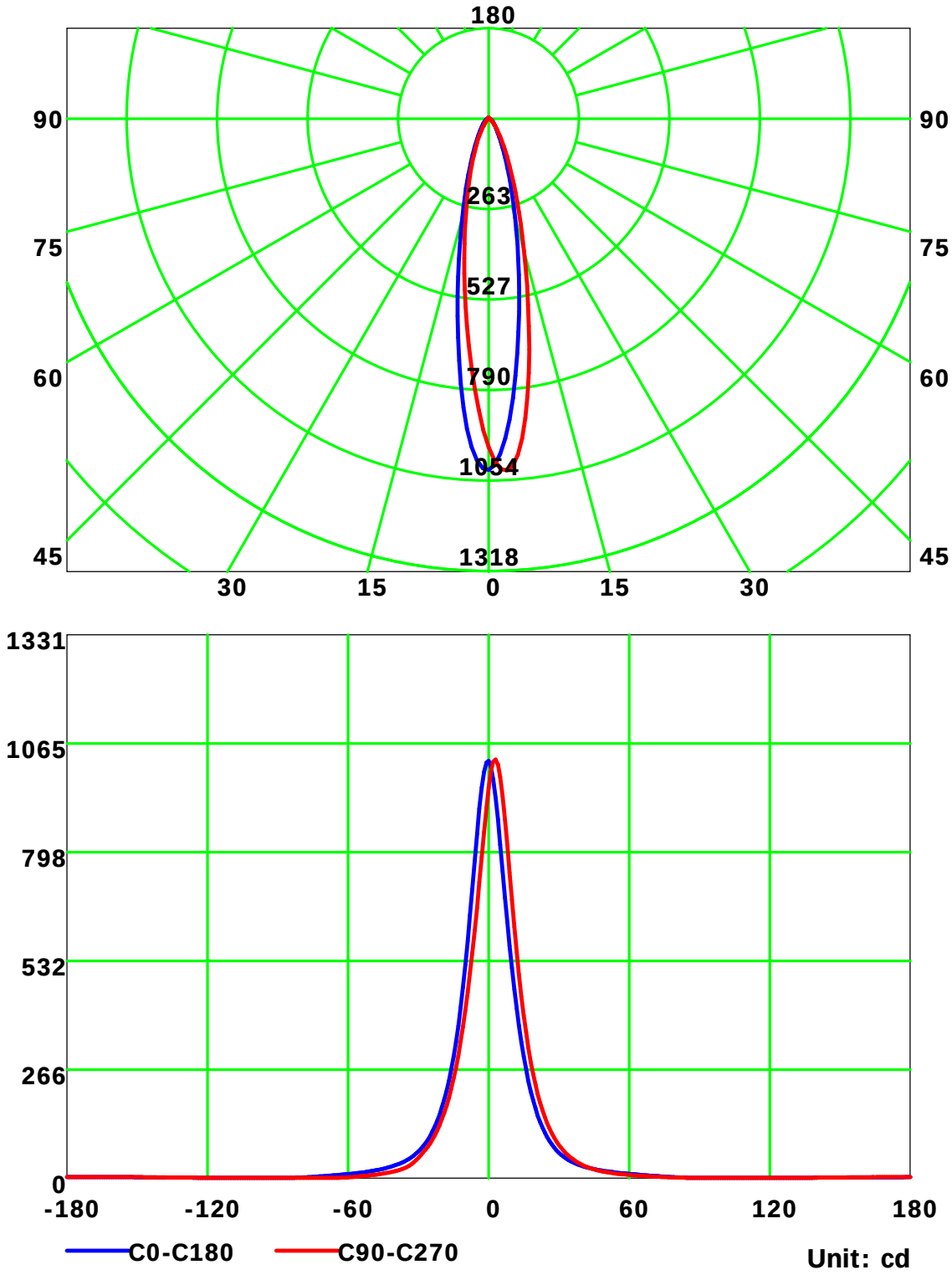
Unit: cd

Average Diffuse Angle(50%): 20.8°

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: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Jacky
Inspector:

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
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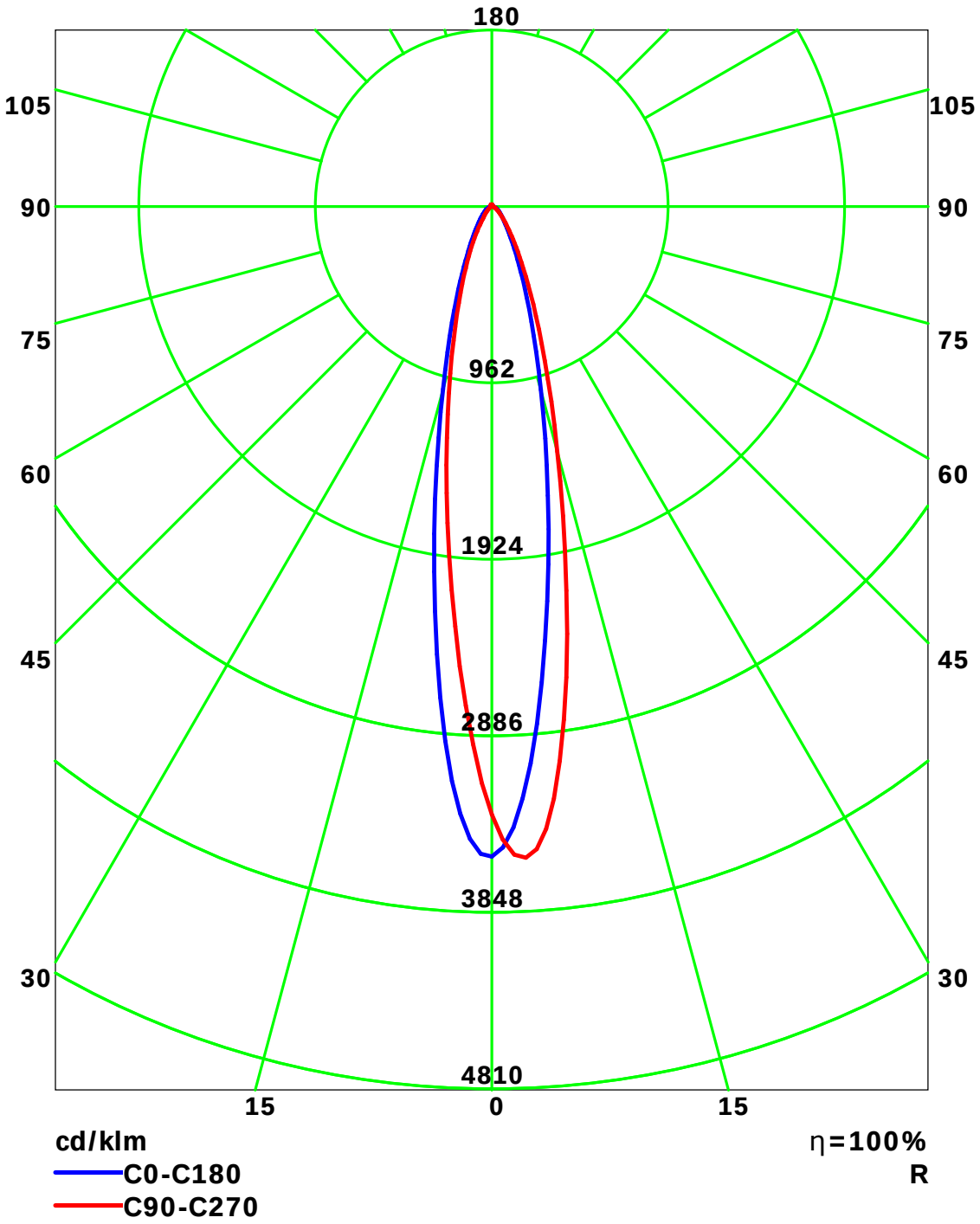
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

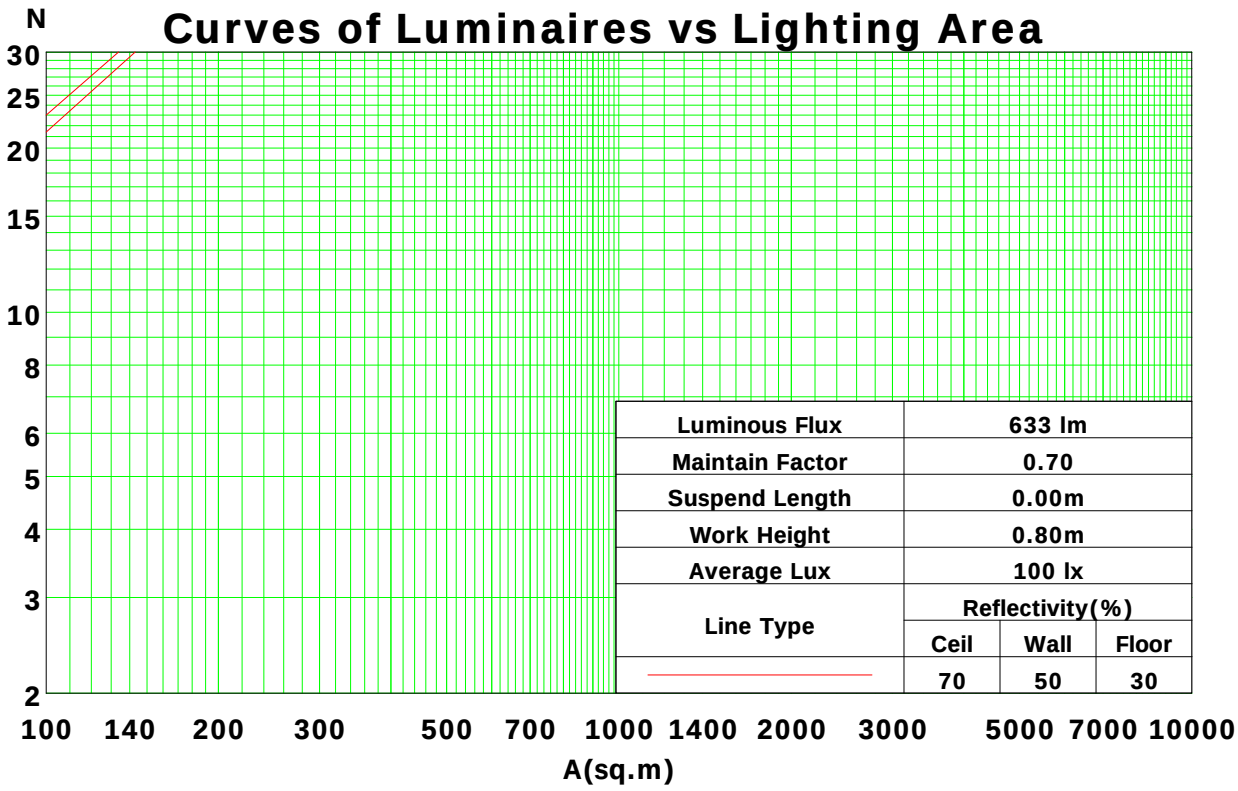
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	103	103	103	98	98	98	96
1	112	109	107	104	109	107	104	102	102	100	98	97	96	95	93	92	91	89
2	107	102	98	94	104	100	96	93	96	93	90	92	90	88	89	87	85	83
3	102	95	90	87	99	94	89	86	90	87	84	87	84	82	85	82	80	78
4	97	90	84	80	95	88	83	80	86	82	78	83	80	77	81	78	76	74
5	93	85	79	75	91	84	79	75	81	77	74	79	76	73	77	74	72	70
6	89	81	75	71	87	80	74	71	78	73	70	76	72	69	74	71	68	67
7	85	77	71	67	84	76	71	67	74	70	66	73	69	66	71	68	65	64
8	82	73	68	64	81	73	67	64	71	67	63	70	66	63	69	65	62	61
9	79	70	65	61	78	70	65	61	68	64	61	67	63	60	66	63	60	59
10	76	68	62	59	75	67	62	59	66	61	58	65	61	58	64	60	58	56

Spacing Criteria (0-180): 0.34
Spacing Criteria (90-270): 0.38
Spacing Criteria (Diagonal): 0.40

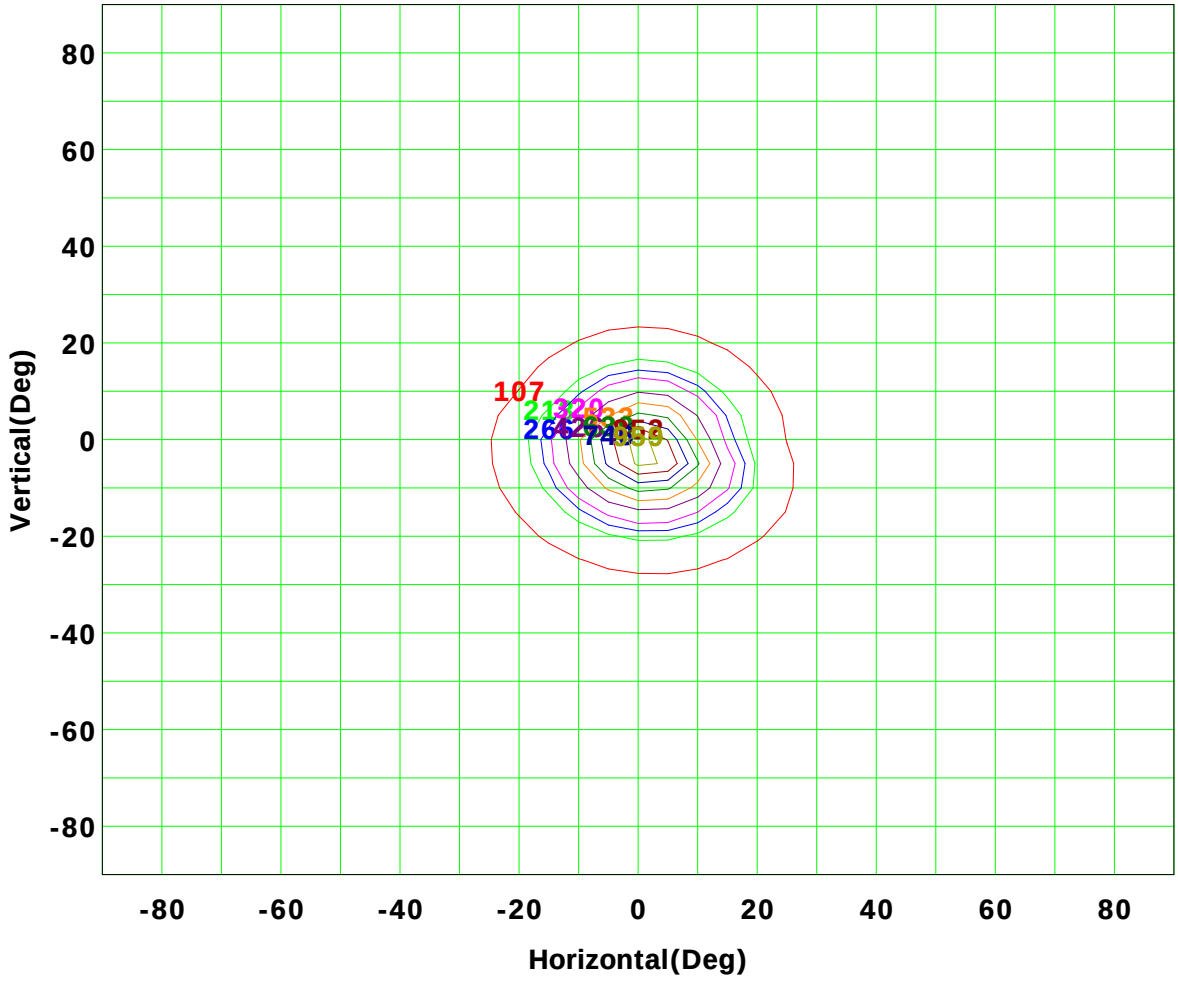
Curves of Luminaires vs Lighting Area



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)



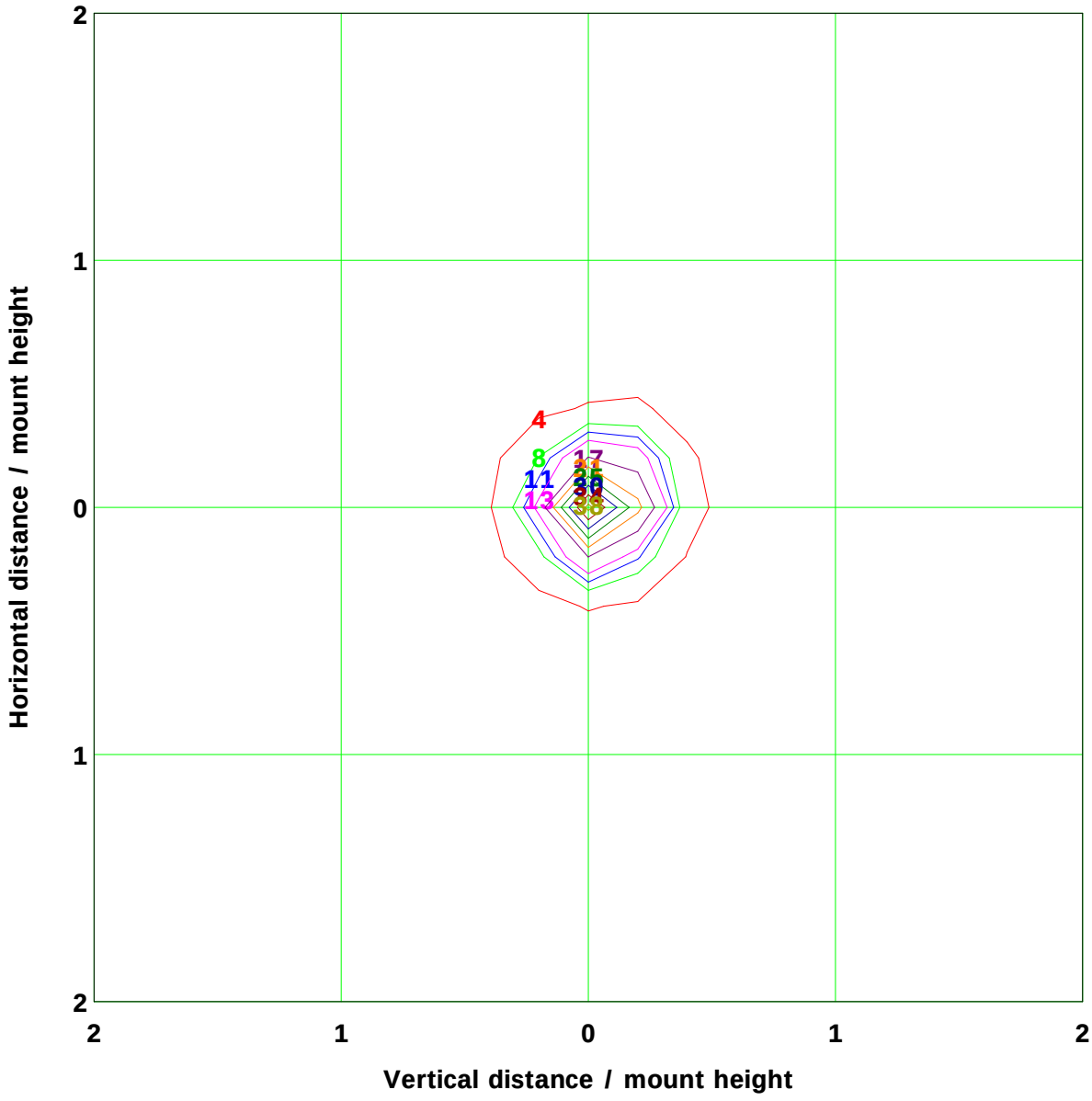
Imax (100%): 1065 cd

(10%): 107 cd	(20%): 213 cd
(25%): 266 cd	(30%): 320 cd
(40%): 426 cd	(50%): 533 cd
(60%): 639 cd	(70%): 746 cd
(80%): 852 cd	(90%): 959 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%): 42.3 lx

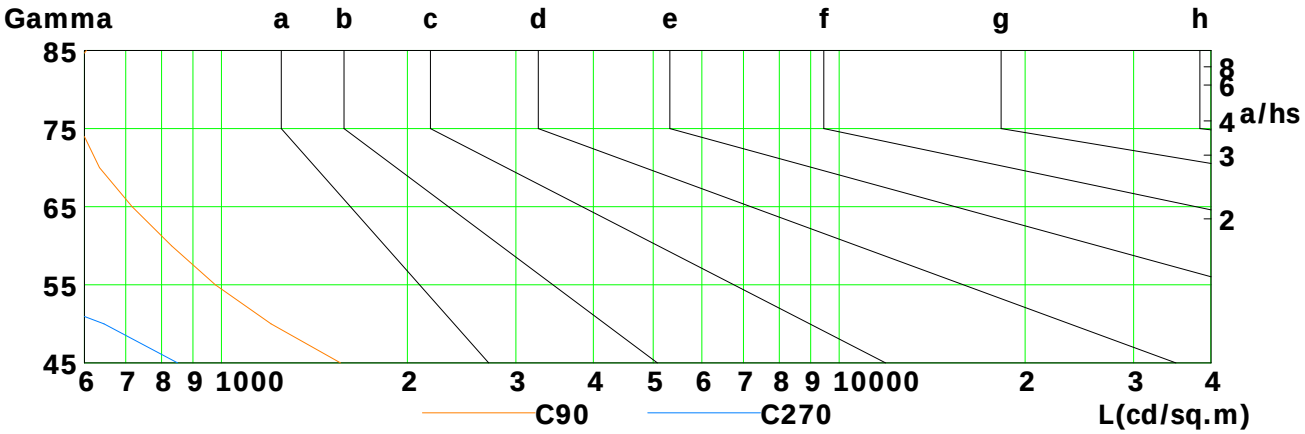
(10%): 4.2 lx	(20%): 8.5 lx
(25%): 10.6 lx	(30%): 12.7 lx
(40%): 16.9 lx	(50%): 21.2 lx
(60%): 25.4 lx	(70%): 29.6 lx
(80%): 33.8 lx	(90%): 38.1 lx

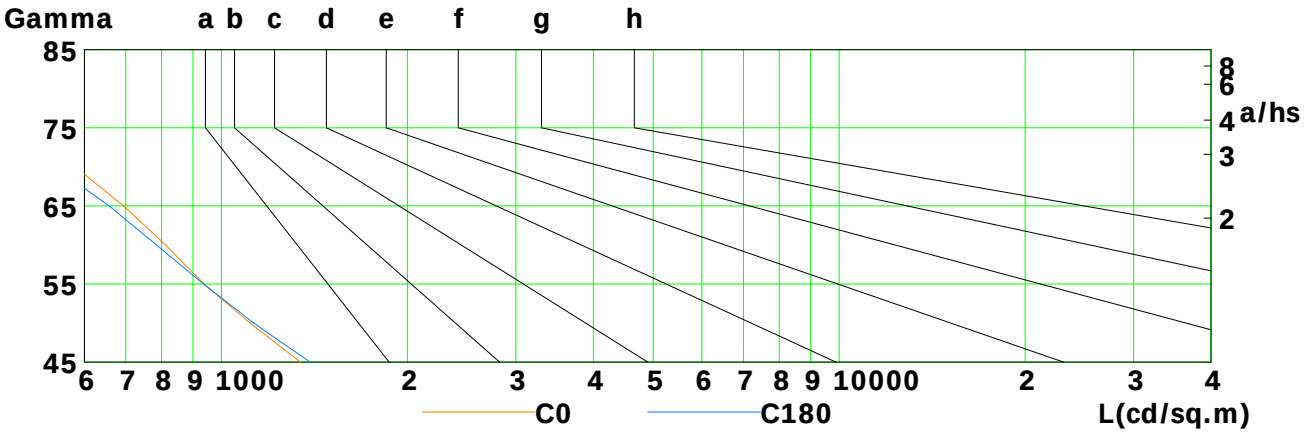
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

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



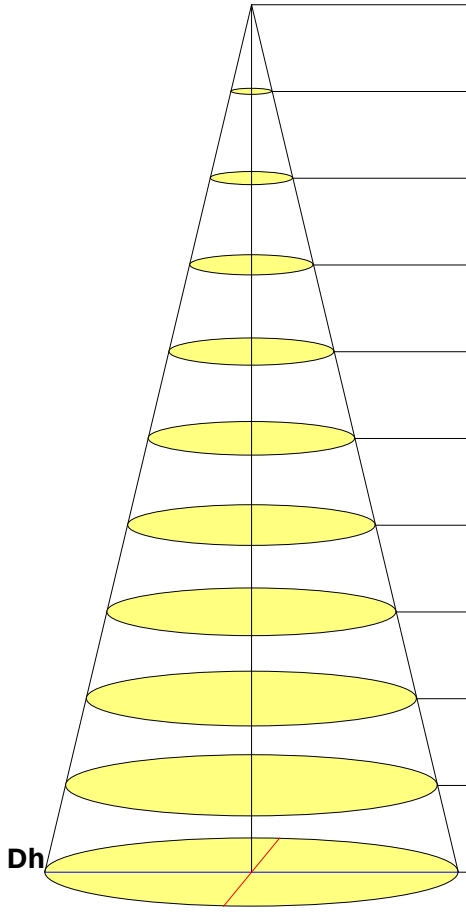


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1343	1112	937	812	695	581	469	357	275
C90	1559	1204	979	831	717	635	591	541	605
C180	1393	1128	936	785	658	537	419	302	246
C270	850	646	442	266	205	219	248	358	559

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



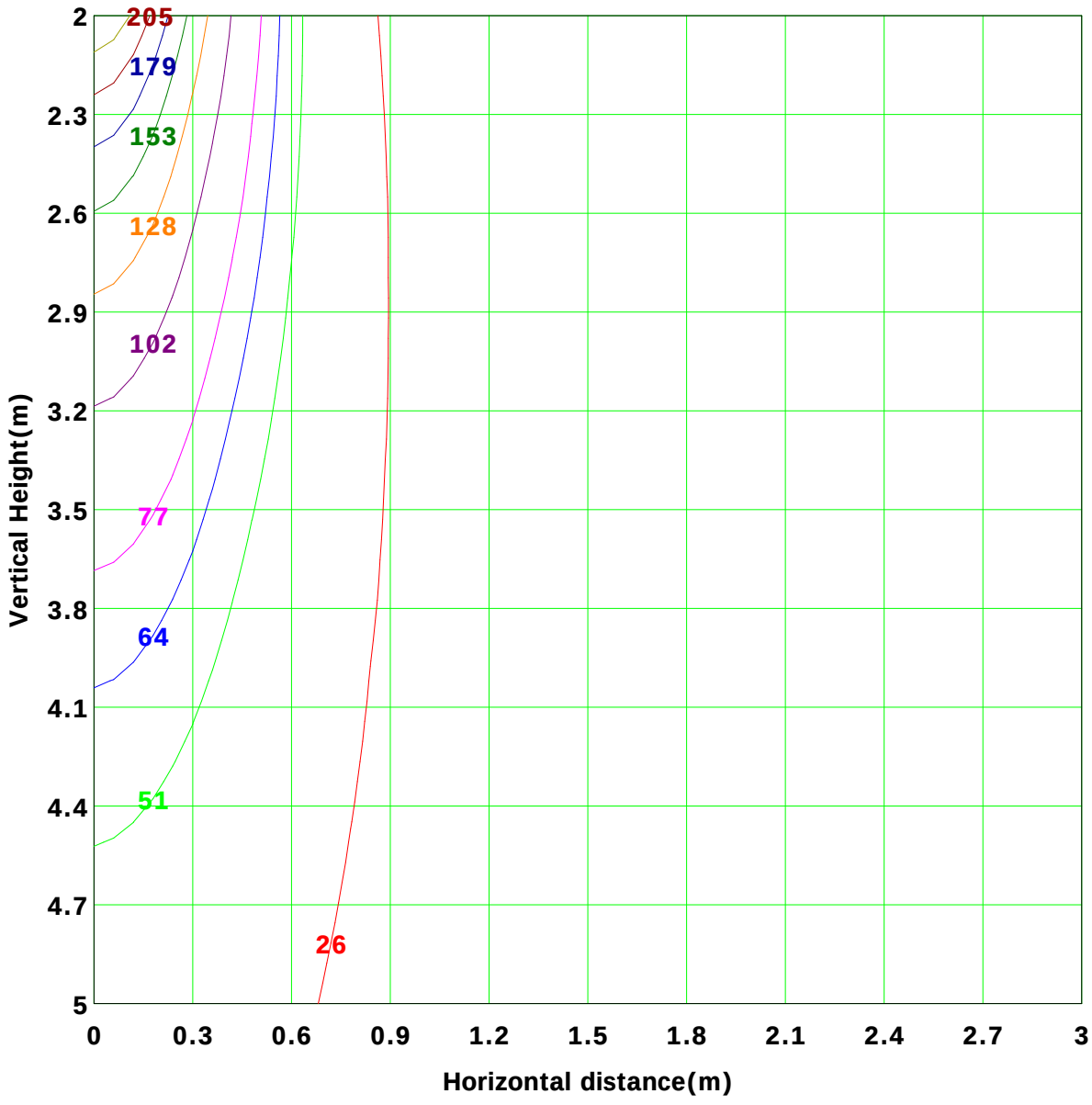
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1023.06	0.36/0.38	0.1	647.00
2.0	255.76	0.72/0.75	0.4	161.75
3.0	113.67	1.07/1.13	1.0	71.89
4.0	63.94	1.43/1.50	1.8	40.44
5.0	40.92	1.79/1.88	2.8	25.88
6.0	28.42	2.15/2.26	4.0	17.97
7.0	20.88	2.51/2.63	5.5	13.20
8.0	15.99	2.86/3.01	7.1	10.11
9.0	12.63	3.22/3.38	9.0	7.99
10.0	10.23	3.58/3.76	11.1	6.47

Beam Angle(B): H20.3 V21.3 Field Angle(F): H50.2 V51.8

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: 255.8 lx

(10%): 25.6 lx	(20%): 51.2 lx
(25%): 63.9 lx	(30%): 76.7 lx
(40%): 102.3 lx	(50%): 127.9 lx
(60%): 153.5 lx	(70%): 179.0 lx
(80%): 204.6 lx	(90%): 230.2 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

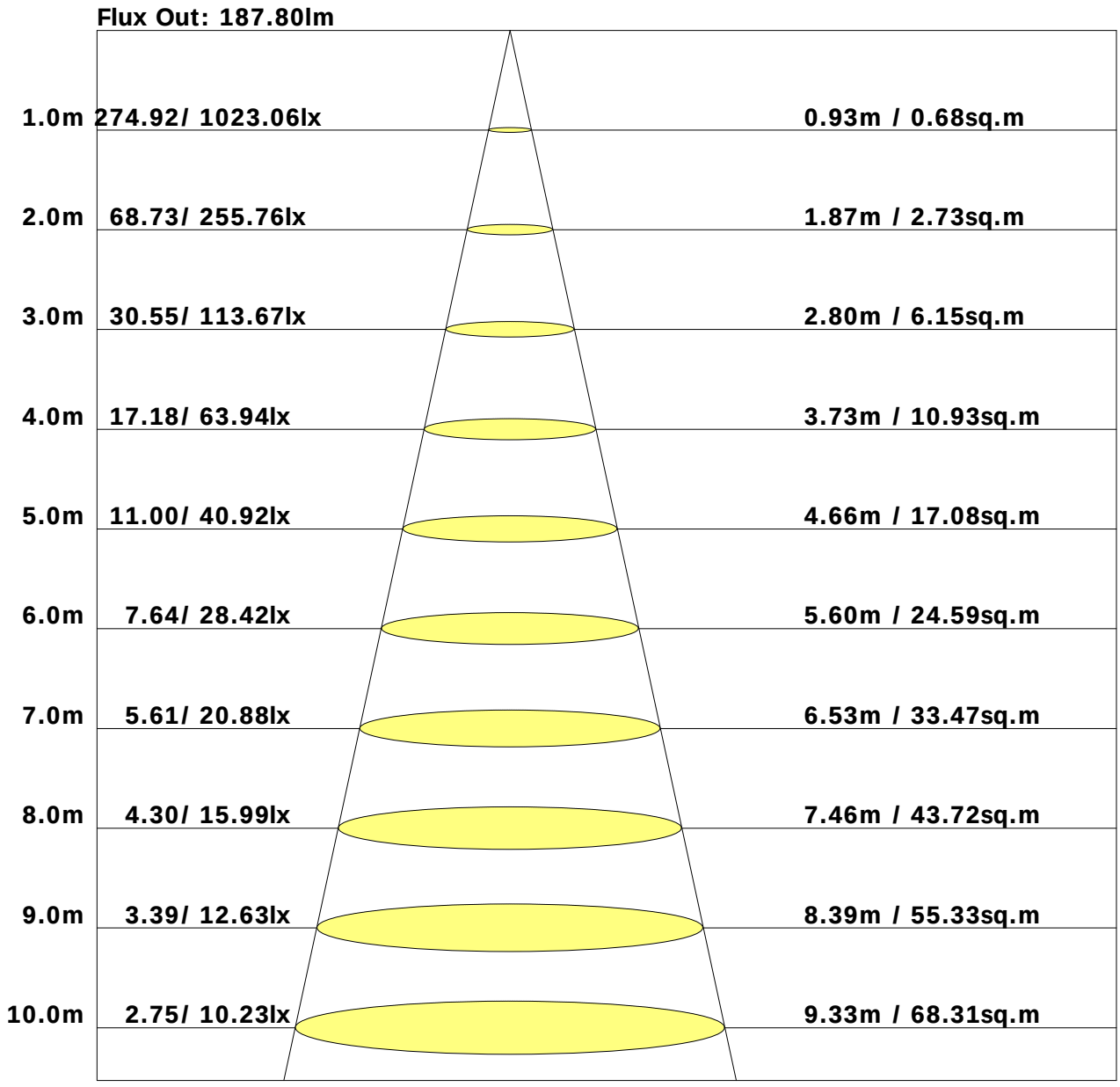
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.1	0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.4	0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.4	0.4	0.2	0.1	0.1	0.0	0.0	4.5	0.0
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.9	1.2	1.2	0.9	0.6	0.4	0.2	0.1	0.1	0.0	8.4	0.0
-30	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	1.7	2.9	3.4	2.8	1.9	1.1	0.6	0.3	0.1	0.0	17.0	5.4
-20	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.4	3.1	7.0	10.7	7.8	4.2	1.9	0.8	0.3	0.1	0.0	38.9	30.9
-10	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.6	4.2	12.0	25.4	18.0	7.1	2.6	0.9	0.4	0.2	0.1	74.2	66.9
0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.5	3.9	10.5	22.0	16.2	6.8	2.5	0.9	0.4	0.2	0.1	66.5	59.2
10	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	1.1	2.4	5.2	8.6	7.1	3.7	1.7	0.7	0.3	0.2	0.1	32.5	23.9
20	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.8	1.3	2.1	2.8	2.6	1.6	1.0	0.5	0.3	0.1	0.0	14.3	2.9
30	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	0.7	0.9	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	7.2	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.0	4.1	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	2.3	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.1	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	0.0	0.0
Flux(T)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Flux(T)	Flux(E)
276	189

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



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Test Type: TYPE C
Temperature: 25
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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	11.5	12.5	12.0	12.9	13.4	10.4	11.5	10.9	11.9	12.3
3H	13.0	13.9	13.5	14.3	14.8	11.6	12.5	12.0	12.9	13.4
4H	13.6	14.4	14.0	14.8	15.3	12.0	12.8	12.4	13.2	13.7
6H	14.0	14.8	14.5	15.2	15.7	12.2	13.0	12.7	13.5	14.0
8H	14.2	14.9	14.7	15.4	15.9	12.3	13.1	12.9	13.6	14.1
12H	14.3	15.0	14.8	15.5	16.0	12.4	13.1	13.0	13.6	14.1
X=4H Y=2H	11.6	12.4	12.1	12.9	13.4	11.0	11.8	11.5	12.3	12.8
3H	13.2	13.9	13.7	14.4	14.9	12.3	12.9	12.7	13.4	14.0
4H	13.9	14.5	14.4	15.0	15.5	12.7	13.3	13.2	13.9	14.4
6H	14.4	15.0	15.0	15.5	16.1	13.1	13.6	13.7	14.2	14.8
8H	14.6	15.1	15.2	15.7	16.2	13.3	13.8	13.8	14.3	14.9
12H	14.9	15.3	15.4	15.9	16.4	13.4	13.8	14.0	14.4	15.0
X=8H Y=4H	13.8	14.3	14.4	14.9	15.5	13.0	13.5	13.5	14.0	14.6
6H	14.5	14.9	15.1	15.5	16.1	13.5	13.9	14.0	14.4	15.0
8H	14.8	15.1	15.4	15.7	16.3	13.7	14.0	14.3	14.6	15.2
12H	15.1	15.4	15.7	16.0	16.7	13.9	14.2	14.5	14.8	15.5
X=12H Y=4H	13.8	14.2	14.4	14.8	15.4	13.0	13.4	13.5	14.0	14.5
6H	14.5	14.8	15.1	15.4	16.0	13.5	13.9	14.1	14.4	15.1
8H	14.8	15.1	15.4	15.7	16.4	13.8	14.1	14.4	14.7	15.3

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 = 0.50								
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	0.82	0.89	0.93	0.97	1.01	1.04	1.06	1.09	1.10
	0.30		0.77	0.84	0.89	0.92	0.97	1.00	1.03	1.06	1.08
	0.20		0.74	0.80	0.85	0.89	0.94	0.98	1.00	1.04	1.06
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.97	1.00	1.02	1.04	1.05
	0.30		0.76	0.82	0.87	0.90	0.94	0.97	0.99	1.02	1.04
	0.20		0.73	0.79	0.84	0.87	0.92	0.95	0.97	1.00	1.02
0.30	0.50	0.20	0.79	0.84	0.88	0.91	0.94	0.96	0.98	1.00	1.01
	0.30		0.75	0.81	0.85	0.88	0.92	0.94	0.96	0.98	0.99
	0.20		0.72	0.78	0.82	0.85	0.89	0.92	0.94	0.97	0.98
0.00	0.00	0.00	0.70	0.76	0.79	0.82	0.85	0.88	0.89	0.91	0.93

Rating:7W 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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Distance: 9.028 m
Humidity: 60%
Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.50								
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	0.63	0.52	0.44	0.38	0.30	0.25	0.21	0.17	0.13
	0.30		0.53	0.44	0.38	0.34	0.27	0.23	0.20	0.16	0.13
	0.20		0.45	0.39	0.34	0.30	0.25	0.21	0.18	0.15	0.12
0.50	0.50	0.20	0.59	0.48	0.40	0.35	0.28	0.27	0.19	0.15	0.12
	0.30		0.50	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12
	0.20		0.44	0.37	0.32	0.28	0.23	0.20	0.17	0.14	0.11
0.30	0.50	0.20	0.56	0.45	0.38	0.32	0.25	0.21	0.18	0.14	0.11
	0.30		0.48	0.40	0.34	0.29	0.23	0.20	0.17	0.13	0.11
	0.20		0.42	0.35	0.30	0.27	0.22	0.18	0.16	0.12	0.10
0.00	0.00	0.00	0.28	0.23	0.19	0.16	0.13	0.11	0.09	0.07	0.06

Rating:7W 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 = 0.50								
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	0.18	0.19	0.21	0.21	0.23	0.24	0.24	0.25	0.26
	0.30		0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.21	0.23
0.50	0.50	0.20	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.25
	0.30		0.13	0.15	0.16	0.18	0.19	0.20	0.21	0.22	0.23
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.21	0.22
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.13	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.22
	0.20		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Rating:7W 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	972.5	0.9	0.9	0.32	0.32
1.0-2.0	959.4	2.8	3.7	0.95	1.28
2.0-3.0	933.7	4.5	8.2	1.55	2.82
3.0-4.0	897.2	6.0	14.2	2.08	4.90
4.0-5.0	851.7	7.3	21.5	2.54	7.44
5.0-6.0	799.3	8.4	29.9	2.91	10.35
6.0-7.0	742.8	9.2	39.1	3.19	13.55
7.0-8.0	684.1	9.8	48.9	3.39	16.94
8.0-9.0	625.7	10.1	59.0	3.51	20.45
9.0-10.0	569.2	10.3	69.3	3.57	24.02
10.0-11.0	514.7	10.3	79.6	3.56	27.58
11.0-12.0	463.2	10.1	89.8	3.51	31.09
12.0-13.0	416.2	9.9	99.6	3.42	34.51
13.0-14.0	373.4	9.6	109.2	3.31	37.82
14.0-15.0	334.3	9.2	118.4	3.18	41.00
15.0-16.0	299.6	8.8	127.2	3.04	44.04
16.0-17.0	268.8	8.4	135.5	2.90	46.94
17.0-18.0	240.9	7.9	143.5	2.75	49.69
18.0-19.0	216.1	7.5	151.0	2.60	52.30
19.0-20.0	194.1	7.1	158.1	2.46	54.76
20.0-21.0	174.5	6.7	164.8	2.32	57.08
21.0-22.0	156.8	6.3	171.1	2.18	59.26
22.0-23.0	141.2	5.9	177.0	2.05	61.32
23.0-24.0	127.3	5.6	182.6	1.93	63.24
24.0-25.0	114.8	5.2	187.8	1.81	65.05
25.0-26.0	103.8	4.9	192.7	1.70	66.75
26.0-27.0	94.0	4.6	197.3	1.59	68.34
27.0-28.0	85.3	4.3	201.6	1.50	69.84
28.0-29.0	77.5	4.1	205.7	1.41	71.24
29.0-30.0	70.6	3.8	209.5	1.32	72.57
30.0-31.0	64.4	3.6	213.1	1.24	73.81
31.0-32.0	58.8	3.4	216.5	1.17	74.97
32.0-33.0	53.9	3.2	219.6	1.10	76.07
33.0-34.0	49.4	3.0	222.6	1.04	77.11
34.0-35.0	45.3	2.8	225.4	0.97	78.08
35.0-36.0	41.7	2.7	228.1	0.92	79.00

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:

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	38.5	2.5	230.6	0.87	79.87
37.0-38.0	35.5	2.4	233.0	0.82	80.69
38.0-39.0	32.9	2.2	235.2	0.78	81.47
39.0-40.0	30.5	2.1	237.3	0.74	82.21
40.0-41.0	28.4	2.0	239.4	0.70	82.91
41.0-42.0	26.5	1.9	241.3	0.67	83.58
42.0-43.0	24.8	1.8	243.1	0.64	84.21
43.0-44.0	23.2	1.7	244.9	0.61	84.82
44.0-45.0	21.7	1.7	246.5	0.58	85.40
45.0-46.0	20.3	1.6	248.1	0.55	85.95
46.0-47.0	19.1	1.5	249.6	0.53	86.47
47.0-48.0	17.9	1.4	251.1	0.50	86.97
48.0-49.0	16.8	1.4	252.5	0.48	87.45
49.0-50.0	15.9	1.3	253.8	0.46	87.91
50.0-51.0	14.9	1.3	255.1	0.44	88.35
51.0-52.0	14.1	1.2	256.3	0.42	88.76
52.0-53.0	13.3	1.2	257.4	0.40	89.16
53.0-54.0	12.5	1.1	258.5	0.38	89.55
54.0-55.0	11.8	1.0	259.6	0.36	89.91
55.0-56.0	11.1	1.0	260.6	0.35	90.26
56.0-57.0	10.4	1.0	261.5	0.33	90.59
57.0-58.0	9.8	0.9	262.4	0.31	90.90
58.0-59.0	9.2	0.9	263.3	0.30	91.20
59.0-60.0	8.7	0.8	264.1	0.28	91.48
60.0-61.0	8.2	0.8	264.9	0.27	91.75
61.0-62.0	7.6	0.7	265.6	0.26	92.01
62.0-63.0	7.2	0.7	266.3	0.24	92.25
63.0-64.0	6.7	0.7	267.0	0.23	92.48
64.0-65.0	6.4	0.6	267.6	0.22	92.70
65.0-66.0	6.0	0.6	268.2	0.21	92.90
66.0-67.0	5.6	0.6	268.8	0.20	93.10
67.0-68.0	5.3	0.5	269.3	0.19	93.28
68.0-69.0	5.0	0.5	269.8	0.18	93.46
69.0-70.0	4.7	0.5	270.3	0.17	93.63
70.0-71.0	4.4	0.5	270.8	0.16	93.78
71.0-72.0	4.1	0.4	271.2	0.15	93.93

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	3.8	0.4	271.6	0.14	94.07
73.0-74.0	3.6	0.4	272.0	0.13	94.20
74.0-75.0	3.3	0.4	272.3	0.12	94.32
75.0-76.0	3.1	0.3	272.6	0.11	94.44
76.0-77.0	2.9	0.3	273.0	0.11	94.55
77.0-78.0	2.7	0.3	273.2	0.10	94.65
78.0-79.0	2.6	0.3	273.5	0.10	94.74
79.0-80.0	2.4	0.3	273.8	0.09	94.83
80.0-81.0	2.2	0.2	274.0	0.08	94.91
81.0-82.0	2.1	0.2	274.2	0.08	94.99
82.0-83.0	2.0	0.2	274.5	0.08	95.07
83.0-84.0	1.9	0.2	274.7	0.07	95.14
84.0-85.0	1.8	0.2	274.9	0.07	95.21
85.0-86.0	1.8	0.2	275.1	0.07	95.28
86.0-87.0	1.7	0.2	275.3	0.07	95.34
87.0-88.0	1.7	0.2	275.4	0.07	95.41
88.0-89.0	1.7	0.2	275.6	0.06	95.47
89.0-90.0	1.7	0.2	275.8	0.06	95.54
90.0-91.0	1.7	0.2	276.0	0.06	95.60
91.0-92.0	1.7	0.2	276.2	0.06	95.67
92.0-93.0	1.7	0.2	276.4	0.06	95.73
93.0-94.0	1.7	0.2	276.6	0.06	95.80
94.0-95.0	1.7	0.2	276.7	0.06	95.86
95.0-96.0	1.7	0.2	276.9	0.06	95.92
96.0-97.0	1.7	0.2	277.1	0.06	95.99
97.0-98.0	1.6	0.2	277.3	0.06	96.05
98.0-99.0	1.7	0.2	277.5	0.06	96.11
99.0-100.0	1.7	0.2	277.6	0.06	96.17
100.0-101.0	1.7	0.2	277.8	0.06	96.23
101.0-102.0	1.6	0.2	278.0	0.06	96.30
102.0-103.0	1.6	0.2	278.2	0.06	96.36
103.0-104.0	1.6	0.2	278.4	0.06	96.42
104.0-105.0	1.6	0.2	278.5	0.06	96.48
105.0-106.0	1.7	0.2	278.7	0.06	96.54
106.0-107.0	1.7	0.2	278.9	0.06	96.60
107.0-108.0	1.7	0.2	279.1	0.06	96.66

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	1.7	0.2	279.2	0.06	96.72
109.0-110.0	1.7	0.2	279.4	0.06	96.78
110.0-111.0	1.7	0.2	279.6	0.06	96.84
111.0-112.0	1.7	0.2	279.7	0.06	96.90
112.0-113.0	1.7	0.2	279.9	0.06	96.96
113.0-114.0	1.7	0.2	280.1	0.06	97.02
114.0-115.0	1.7	0.2	280.3	0.06	97.08
115.0-116.0	1.7	0.2	280.4	0.06	97.13
116.0-117.0	1.7	0.2	280.6	0.06	97.19
117.0-118.0	1.7	0.2	280.8	0.06	97.25
118.0-119.0	1.7	0.2	280.9	0.06	97.31
119.0-120.0	1.7	0.2	281.1	0.06	97.37
120.0-121.0	1.8	0.2	281.3	0.06	97.43
121.0-122.0	1.8	0.2	281.4	0.06	97.48
122.0-123.0	1.8	0.2	281.6	0.06	97.54
123.0-124.0	1.8	0.2	281.8	0.06	97.60
124.0-125.0	1.8	0.2	281.9	0.06	97.65
125.0-126.0	1.9	0.2	282.1	0.06	97.71
126.0-127.0	1.9	0.2	282.3	0.06	97.77
127.0-128.0	1.9	0.2	282.4	0.06	97.83
128.0-129.0	1.9	0.2	282.6	0.06	97.88
129.0-130.0	1.9	0.2	282.7	0.06	97.94
130.0-131.0	2.0	0.2	282.9	0.06	98.00
131.0-132.0	2.0	0.2	283.1	0.06	98.05
132.0-133.0	2.0	0.2	283.2	0.06	98.11
133.0-134.0	2.0	0.2	283.4	0.06	98.17
134.0-135.0	2.1	0.2	283.6	0.06	98.22
135.0-136.0	2.1	0.2	283.7	0.06	98.28
136.0-137.0	2.2	0.2	283.9	0.06	98.34
137.0-138.0	2.2	0.2	284.1	0.06	98.39
138.0-139.0	2.3	0.2	284.2	0.06	98.45
139.0-140.0	2.3	0.2	284.4	0.06	98.51
140.0-141.0	2.4	0.2	284.6	0.06	98.57
141.0-142.0	2.4	0.2	284.7	0.06	98.62
142.0-143.0	2.5	0.2	284.9	0.06	98.68
143.0-144.0	2.5	0.2	285.1	0.06	98.74

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	2.6	0.2	285.2	0.06	98.79
145.0-146.0	2.6	0.2	285.4	0.06	98.85
146.0-147.0	2.7	0.2	285.5	0.06	98.90
147.0-148.0	2.7	0.2	285.7	0.06	98.96
148.0-149.0	2.8	0.2	285.9	0.06	99.02
149.0-150.0	2.8	0.2	286.0	0.05	99.07
150.0-151.0	2.9	0.2	286.2	0.05	99.12
151.0-152.0	2.9	0.2	286.3	0.05	99.18
152.0-153.0	3.0	0.1	286.5	0.05	99.23
153.0-154.0	3.0	0.1	286.6	0.05	99.28
154.0-155.0	3.1	0.1	286.8	0.05	99.33
155.0-156.0	3.1	0.1	286.9	0.05	99.38
156.0-157.0	3.2	0.1	287.0	0.05	99.43
157.0-158.0	3.2	0.1	287.2	0.05	99.47
158.0-159.0	3.2	0.1	287.3	0.04	99.52
159.0-160.0	3.3	0.1	287.4	0.04	99.56
160.0-161.0	3.3	0.1	287.6	0.04	99.60
161.0-162.0	3.3	0.1	287.7	0.04	99.64
162.0-163.0	3.3	0.1	287.8	0.04	99.68
163.0-164.0	3.3	0.1	287.9	0.04	99.72
164.0-165.0	3.3	0.1	288.0	0.03	99.75
165.0-166.0	3.4	0.1	288.1	0.03	99.78
166.0-167.0	3.4	0.1	288.2	0.03	99.81
167.0-168.0	3.4	0.1	288.2	0.03	99.84
168.0-169.0	3.4	0.1	288.3	0.03	99.87
169.0-170.0	3.4	0.1	288.4	0.02	99.89
170.0-171.0	3.4	0.1	288.4	0.02	99.91
171.0-172.0	3.4	0.1	288.5	0.02	99.93
172.0-173.0	3.4	0.0	288.5	0.02	99.95
173.0-174.0	3.4	0.0	288.6	0.01	99.96
174.0-175.0	3.4	0.0	288.6	0.01	99.97
175.0-176.0	3.4	0.0	288.6	0.01	99.98
176.0-177.0	3.4	0.0	288.7	0.01	99.99
177.0-178.0	3.3	0.0	288.7	0.01	100.00
178.0-179.0	3.3	0.0	288.7	0.00	100.00
179.0-180.0	3.4	0.0	288.7	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: