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

Report No.: **Test Time: 2023/2/21 15:36**

Luminaire Property

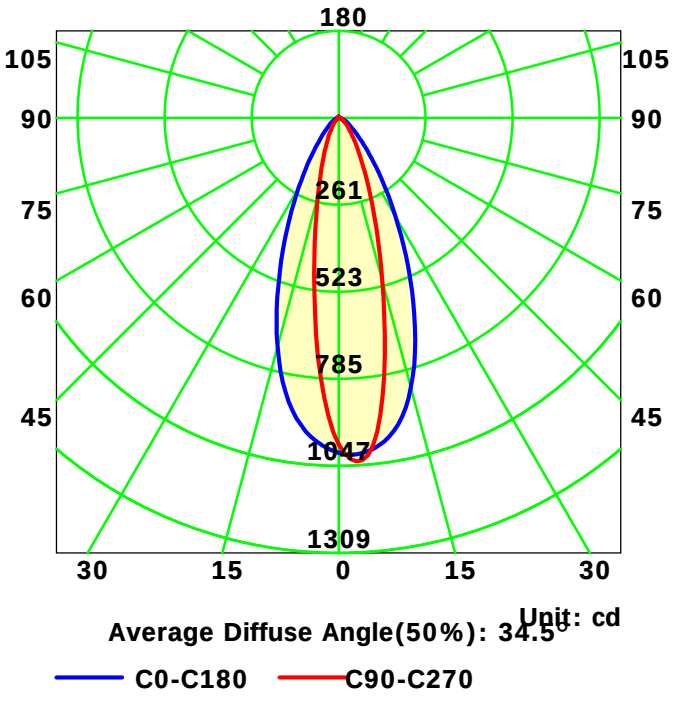
Luminaire Manufacturer:
Luminaire Category: 大炮
Luminaire Description: 20x45
Lamp Catalog: G
Luminous Length (mm): 270
Luminous Width (mm): 70
Luminous Height (mm): 20
Voltage: 219.2 V
Current: 0.100 A
Power: 9.01 W
Power Factor: 0.410

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 506.5 lm
Measurement Flux: 506.5 lm
Efficiency: 100%
Downward Ratio: 97%
Upward Ratio: 3%
Horizontal Diffuse Angle(10%,50%): H83.5,H45.4
Vertical Diffuse Angle(10%,50%): V56.1,V23.6
Luminaire Efficacy Rating (LER): 56
Central Intensity: 1007.41 cd
Max. Intensity: 1034.62 cd
Pos of Max. Intensity: H90 V3

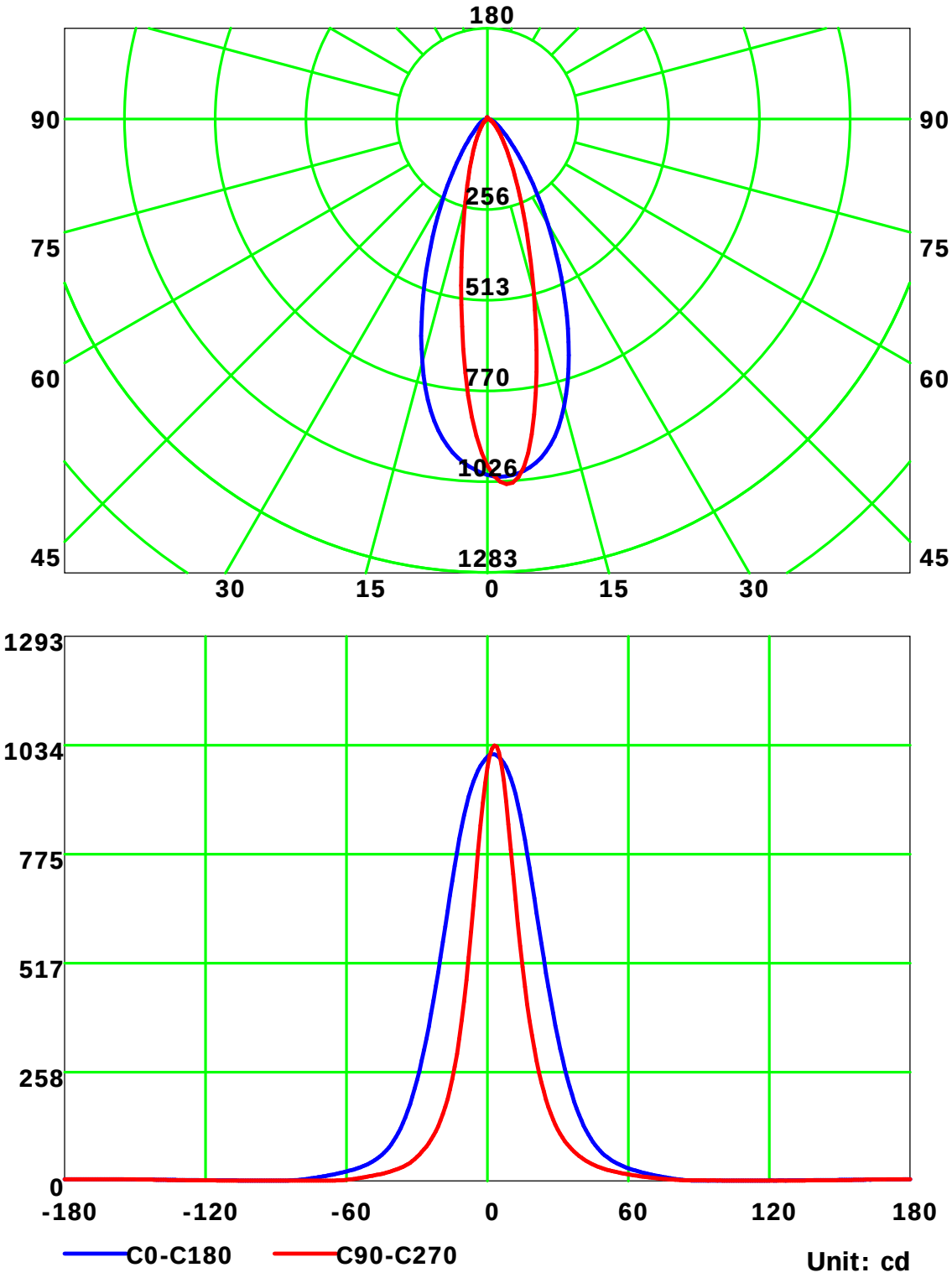
Picture Of Luminaire

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:

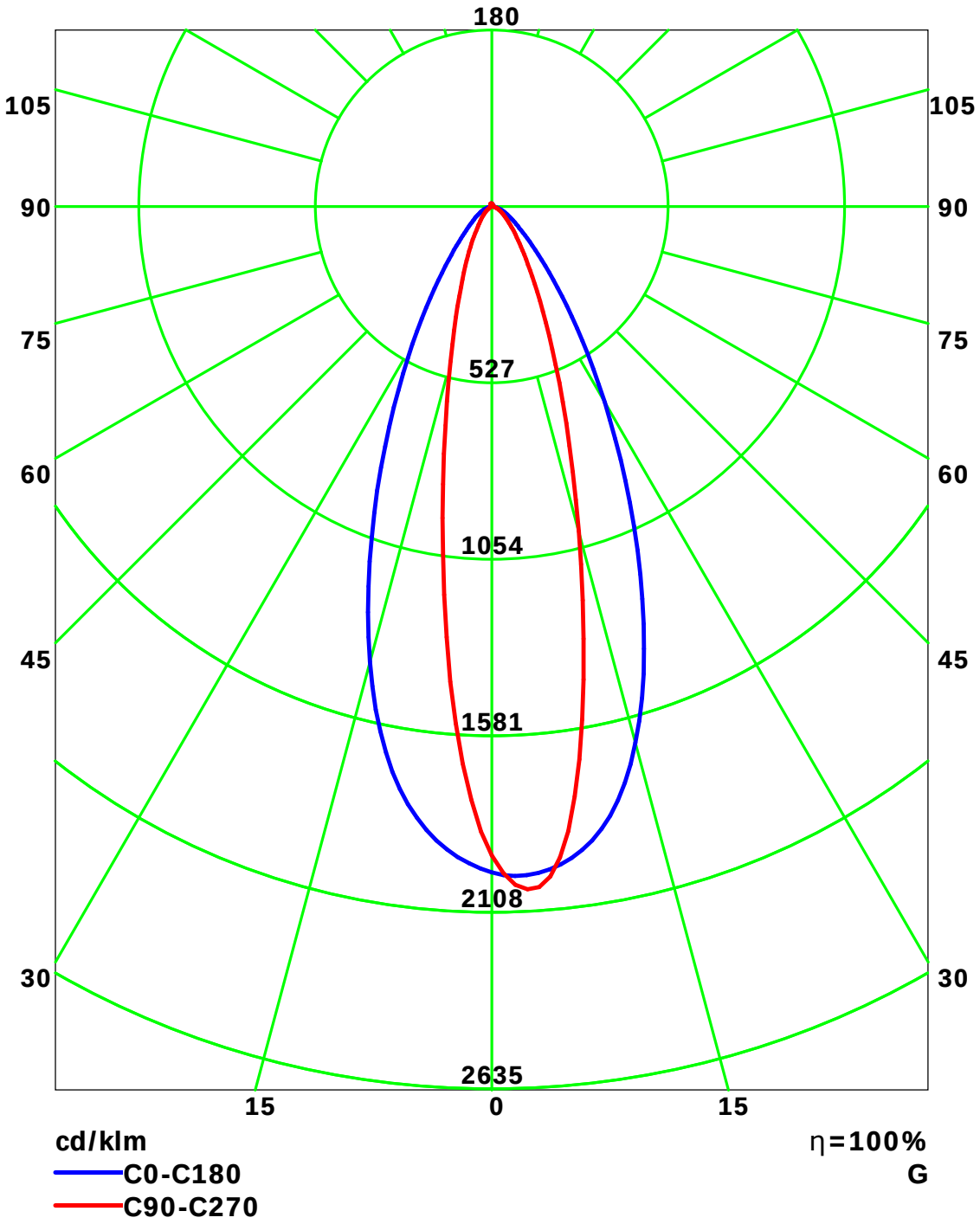
Luminous Intensity Distribution Curve



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

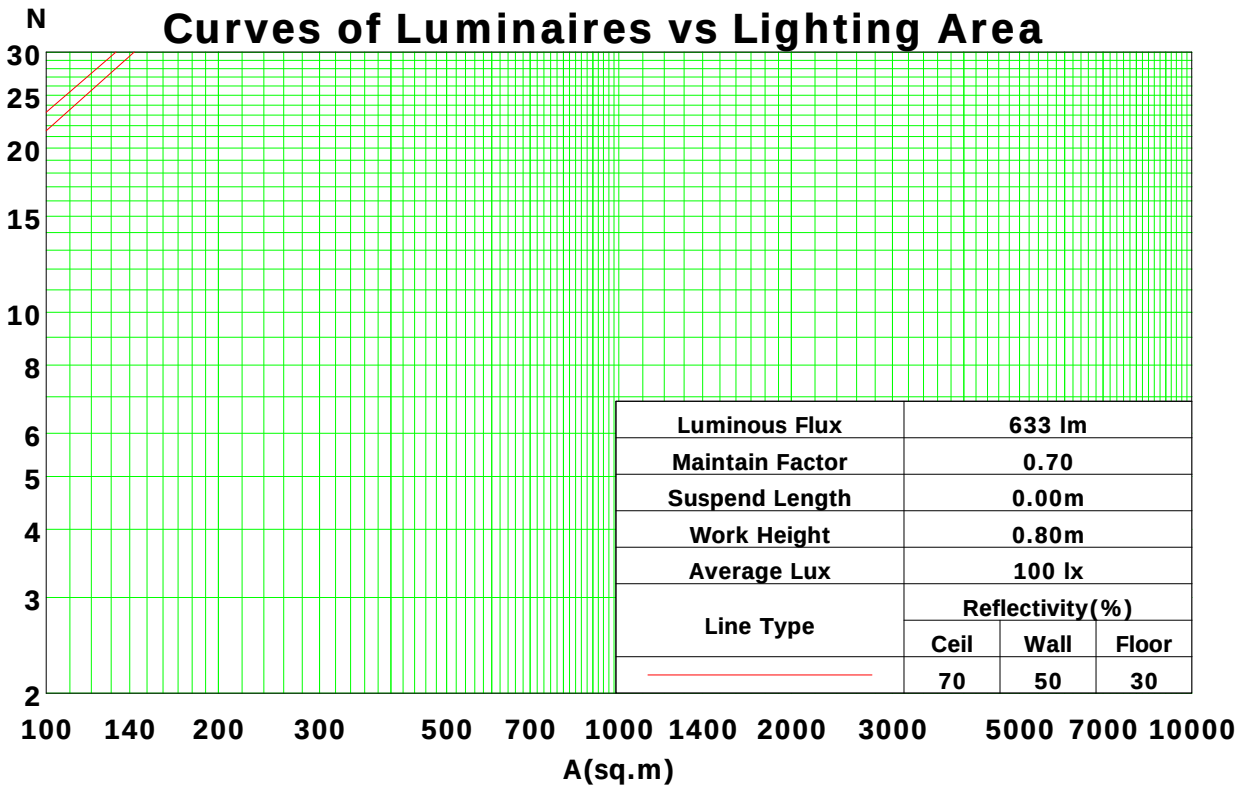
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	109	107	104	109	107	104	102	102	100	99	98	96	95	94	93	92	90
2	106	101	97	93	104	99	95	92	95	92	90	92	89	87	89	87	85	83
3	101	94	89	85	99	92	88	84	89	85	82	87	83	81	84	81	79	77
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	79	76	74	72
5	91	83	77	72	89	81	76	72	79	74	71	77	73	70	75	72	69	67
6	87	78	72	67	85	77	71	67	75	70	66	73	69	66	72	68	65	63
7	83	73	67	63	81	73	67	63	71	66	62	70	65	62	68	64	61	60
8	79	70	64	60	78	69	63	59	68	63	59	66	62	59	65	61	58	57
9	76	66	60	56	74	66	60	56	64	59	56	63	59	56	62	58	55	54
10	72	63	57	54	71	62	57	53	61	57	53	61	56	53	60	56	53	51

Spacing Criteria (0-180): 0.72
Spacing Criteria (90-270): 0.41
Spacing Criteria (Diagonal): 0.55

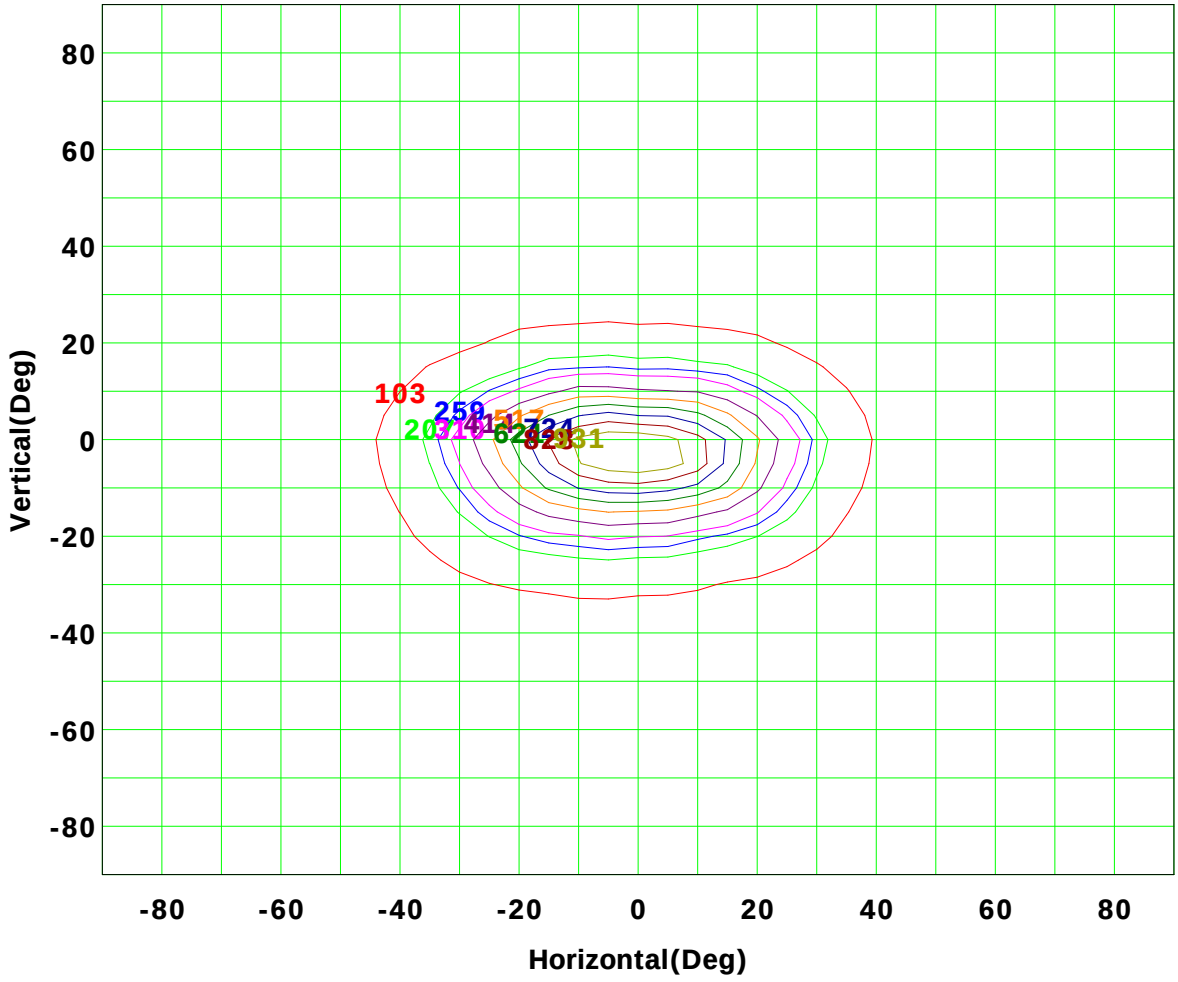
Curves of Luminaires vs Lighting Area



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)



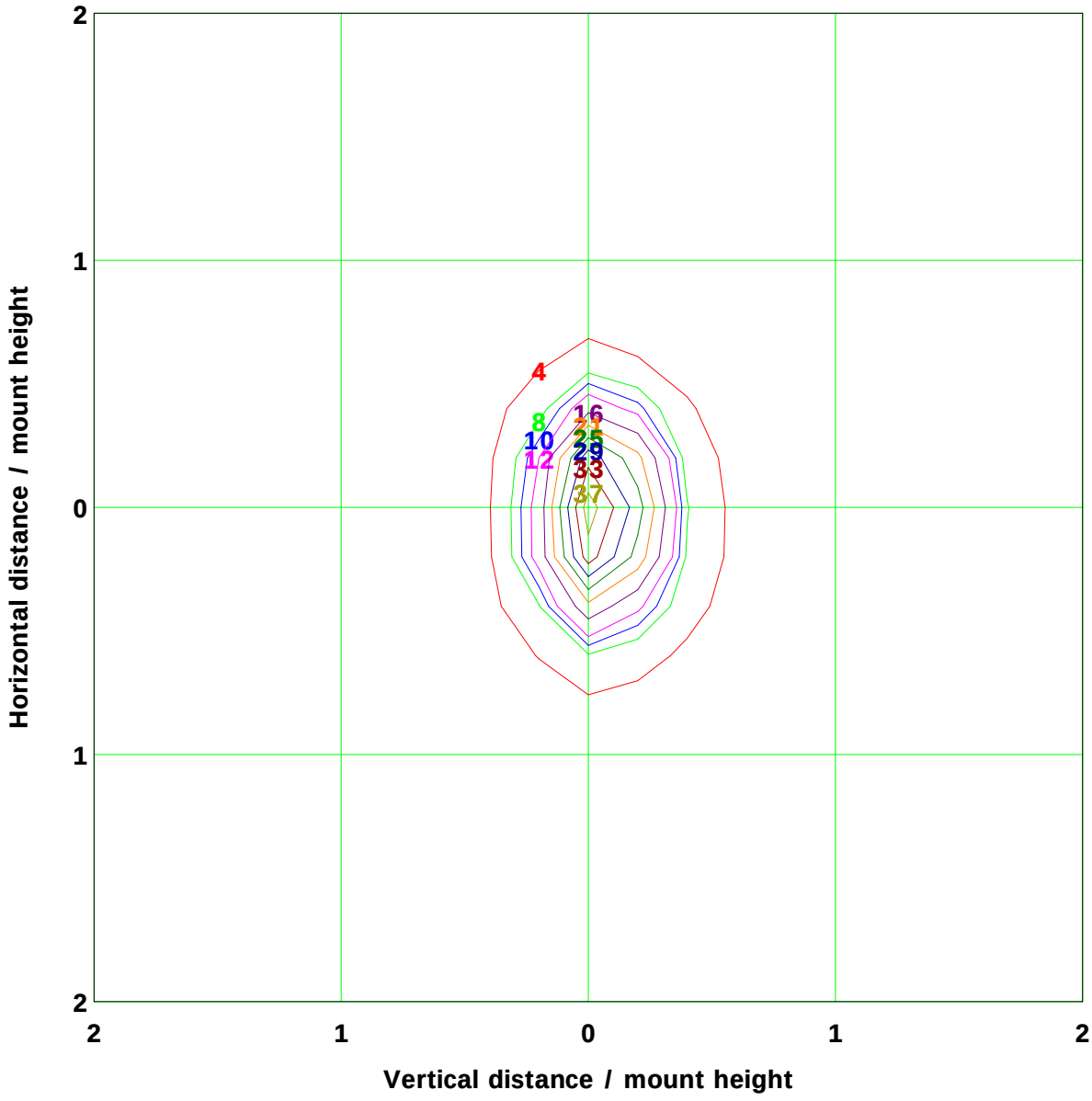
Imax (100%): 1035 cd

(10%): 103 cd	(20%): 207 cd
(25%): 259 cd	(30%): 310 cd
(40%): 414 cd	(50%): 517 cd
(60%): 621 cd	(70%): 724 cd
(80%): 828 cd	(90%): 931 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%): 41.2 lx

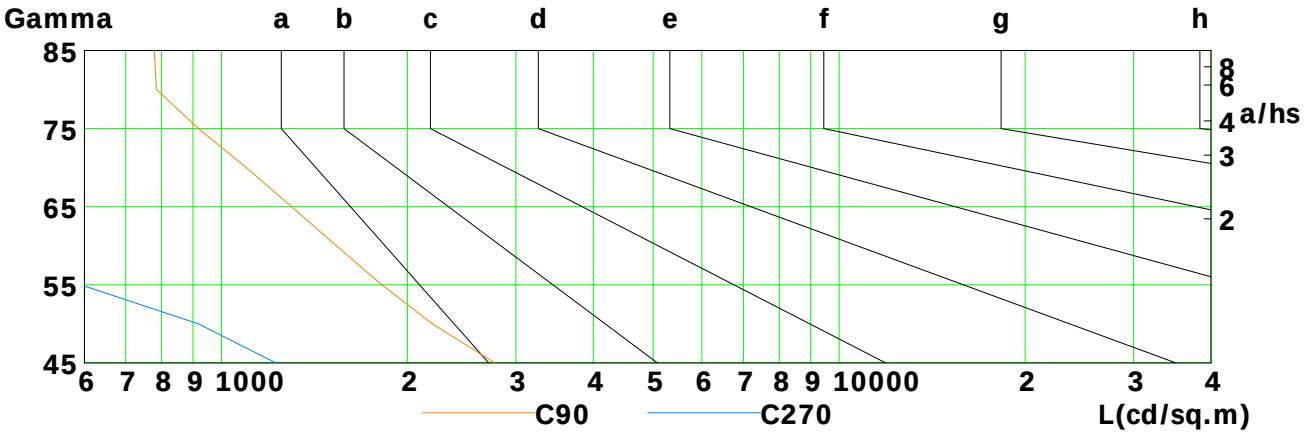
(10%): 4.1 lx	(20%): 8.2 lx
(25%): 10.3 lx	(30%): 12.4 lx
(40%): 16.5 lx	(50%): 20.6 lx
(60%): 24.7 lx	(70%): 28.9 lx
(80%): 33.0 lx	(90%): 37.1 lx

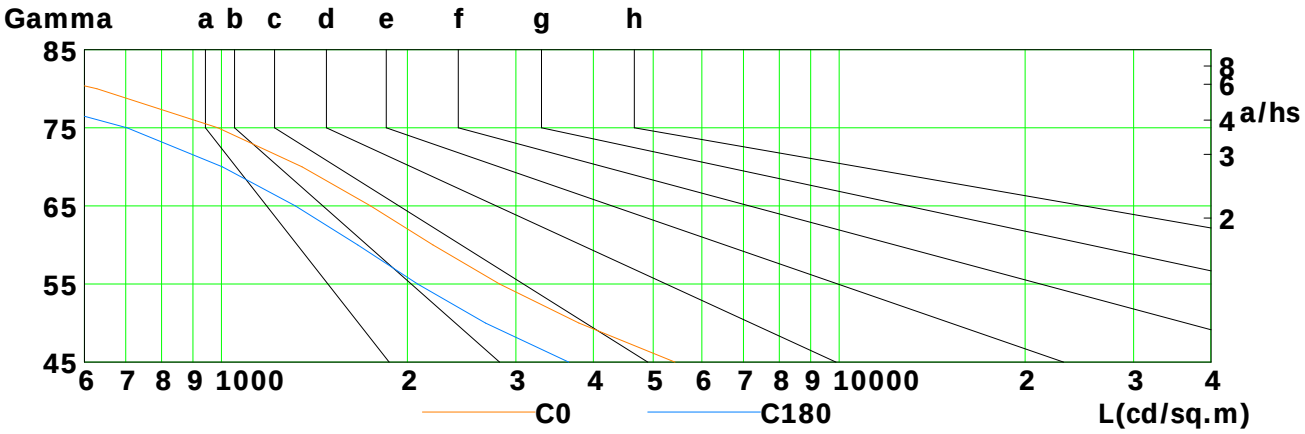
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



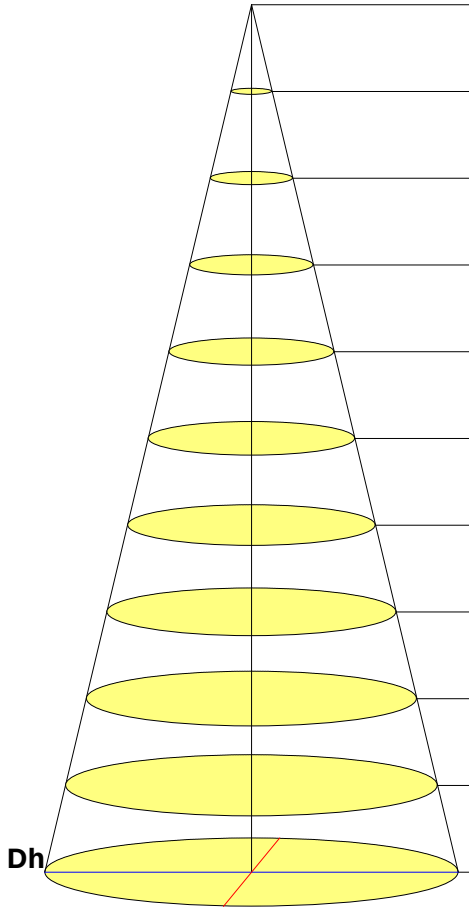


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	5428	3794	2823	2202	1744	1351	987	629	354
C90	2772	2195	1819	1536	1299	1098	918	785	779
C180	3651	2677	2079	1663	1317	1004	703	415	266
C270	1225	918	593	310	199	203	263	352	549

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



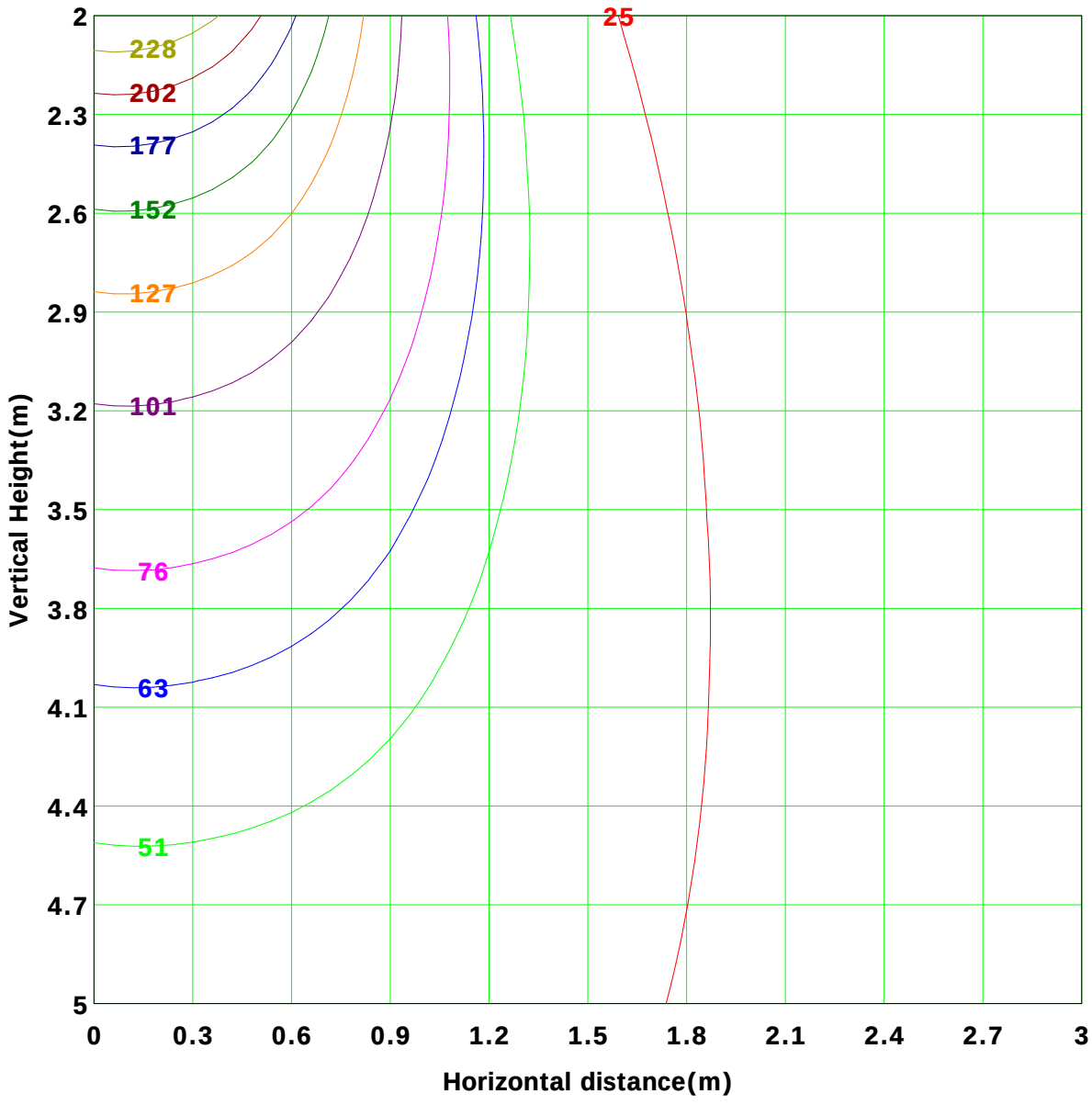
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1007.41	0.84/0.42	0.3	521.06
2.0	251.85	1.67/0.83	1.1	130.27
3.0	111.93	2.51/1.25	2.6	57.90
4.0	62.96	3.35/1.67	4.5	32.57
5.0	40.30	4.19/2.09	7.1	20.84
6.0	27.98	5.02/2.50	10.2	14.47
7.0	20.56	5.86/2.92	13.9	10.63
8.0	15.74	6.70/3.34	18.2	8.14
9.0	12.44	7.54/3.76	23.0	6.43
10.0	10.07	8.37/4.17	28.4	5.21

Beam Angle(B): H45.4 V23.6 Field Angle(F): H83.5 V56.1

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: 253.0 lx

(10%): 25.3 lx	(20%): 50.6 lx
(25%): 63.3 lx	(30%): 75.9 lx
(40%): 101.2 lx	(50%): 126.5 lx
(60%): 151.8 lx	(70%): 177.1 lx
(80%): 202.4 lx	(90%): 227.7 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:

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

Area Flux Table

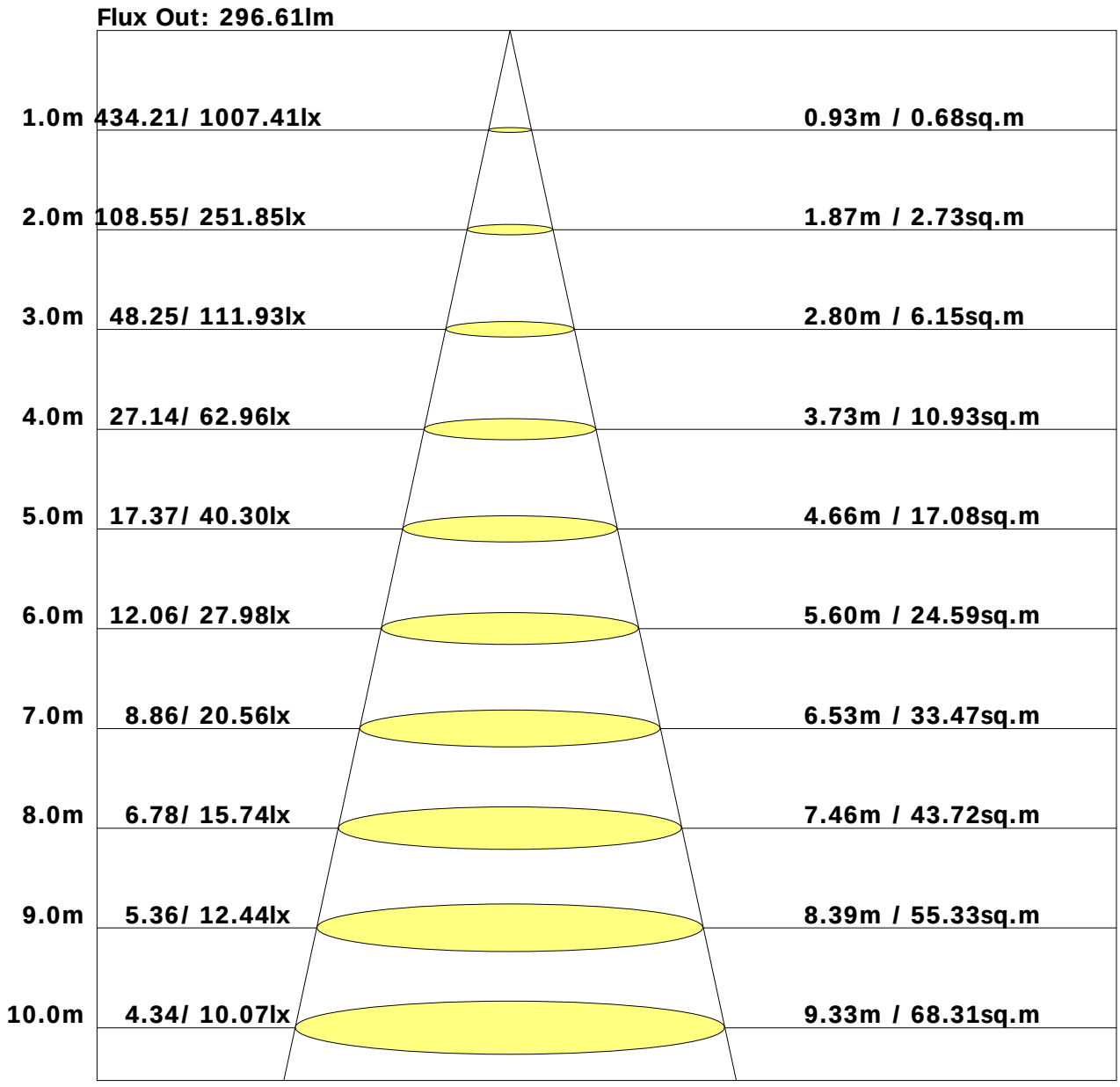
Unit: lm

Vertical plane \ Horizontal plane	-90 ~ -80	-80 ~ -70	-70 ~ -60	-60 ~ -50	-50 ~ -40	-40 ~ -30	-30 ~ -20	-20 ~ -10	-10 ~ 0	0 ~ 10	10 ~ 20	20 ~ 30	30 ~ 40	40 ~ 50	50 ~ 60	60 ~ 70	70 ~ 80	80 ~ 90	Flux(T)	Flux(E)
-90 ~ -80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
-80 ~ -70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
-70 ~ -60	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	0.0	0.9	0.0
-60 ~ -50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.3	0.0
-50 ~ -40	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.0	0.0
-40 ~ -30	0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	1.0	0.8	0.5	0.3	0.1	0.0	0.0	9.9	0.0
-30 ~ -20	0.0	0.0	0.2	0.4	0.7	1.2	1.9	2.5	2.9	3.0	2.7	2.1	1.4	0.8	0.4	0.2	0.1	0.0	20.3	5.1
-20 ~ -10	0.0	0.1	0.2	0.5	1.0	2.1	4.0	6.4	7.7	8.2	7.2	4.7	2.7	1.3	0.6	0.2	0.1	0.0	46.9	39.8
-10 ~ 0	0.0	0.1	0.2	0.5	1.3	3.4	8.2	15.6	21.1	22.4	18.1	10.6	4.8	1.9	0.7	0.3	0.1	0.0	109.2	104.2
0 ~ 10	0.0	0.1	0.2	0.6	1.4	3.7	9.6	20.0	28.1	28.8	22.3	12.3	5.3	2.0	0.8	0.3	0.1	0.0	135.4	130.5
10 ~ 20	0.0	0.1	0.2	0.5	1.2	2.7	6.4	11.7	15.3	15.9	13.1	8.0	3.8	1.6	0.7	0.3	0.1	0.0	81.5	75.9
20 ~ 30	0.0	0.1	0.2	0.4	0.9	1.8	3.2	4.7	6.0	6.3	5.6	4.1	2.4	1.2	0.6	0.2	0.1	0.0	37.6	29.5
30 ~ 40	0.0	0.0	0.2	0.4	0.7	1.1	1.6	2.1	2.5	2.7	2.4	2.0	1.4	0.8	0.4	0.2	0.1	0.0	18.5	2.3
40 ~ 50	0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.3	1.2	1.0	0.8	0.5	0.3	0.1	0.0	0.0	10.2	0.0
50 ~ 60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	6.0	0.0
60 ~ 70	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	3.5	0.0
70 ~ 80	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	1.7	0.0
80 ~ 90	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	0.0	0.0	0.0	0.0	0.0	0.8	0.0
Flux(T)	0.1	0.6	2.0	4.6	9.3	19.0	38.5	67.4	88.3	92.0	75.8	47.7	25.0	11.9	5.6	2.5	0.8	0.1	491	
Flux(E)	0.0	0.0	0.0	0.0	0.0	8.5	30.0	59.1	80.2	84.0	67.8	39.7	16.4	1.6	0.0	0.0	0.0	0.0		387

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	14.2	15.3	14.7	15.7	16.1	11.1	12.2	11.5	12.6	12.9
3H	15.4	16.4	15.9	16.8	17.2	12.1	13.0	12.5	13.4	13.9
4H	15.8	16.7	16.3	17.1	17.6	12.4	13.2	12.8	13.7	14.1
6H	16.1	16.9	16.5	17.3	17.8	12.5	13.3	13.0	13.8	14.2
8H	16.1	16.9	16.6	17.3	17.8	12.6	13.3	13.1	13.8	14.3
12H	16.1	16.8	16.6	17.3	17.8	12.6	13.3	13.1	13.8	14.3
X=4H Y=2H	14.2	15.1	14.7	15.5	16.0	11.7	12.6	12.2	13.0	13.5
3H	15.5	16.2	16.0	16.7	17.2	12.8	13.5	13.3	14.0	14.5
4H	16.0	16.6	16.5	17.1	17.6	13.2	13.8	13.7	14.3	14.8
6H	16.3	16.8	16.8	17.3	17.9	13.4	14.0	13.9	14.5	15.0
8H	16.3	16.9	16.9	17.4	17.9	13.5	14.0	14.0	14.5	15.0
12H	16.4	16.8	16.9	17.4	17.9	13.5	14.0	14.1	14.5	15.1
X=8H Y=4H	15.9	16.4	16.4	16.9	17.4	13.4	13.9	13.9	14.4	14.9
6H	16.2	16.6	16.8	17.2	17.7	13.7	14.1	14.3	14.7	15.2
8H	16.3	16.7	16.9	17.3	17.8	13.8	14.2	14.4	14.7	15.3
12H	16.4	16.8	17.0	17.3	17.9	13.9	14.2	14.5	14.8	15.4
X=12H Y=4H	15.8	16.3	16.4	16.8	17.4	13.4	13.8	13.9	14.4	14.9
6H	16.2	16.5	16.8	17.1	17.7	13.7	14.1	14.3	14.6	15.2
8H	16.3	16.6	16.9	17.2	17.8	13.9	14.2	14.4	14.7	15.4

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	0.82	0.88	0.93	0.96	1.00	1.03	1.05	1.08	1.09
	0.30		0.77	0.83	0.88	0.92	0.97	1.00	1.02	1.05	1.07
	0.20		0.73	0.80	0.85	0.88	0.93	0.97	1.00	1.03	1.05
0.50	0.50	0.20	0.80	0.86	0.90	0.93	0.97	0.99	1.01	1.03	1.05
	0.30		0.76	0.82	0.86	0.90	0.94	0.97	0.99	1.01	1.03
	0.20		0.72	0.79	0.83	0.87	0.91	0.94	0.97	1.00	1.02
0.30	0.50	0.20	0.79	0.84	0.88	0.90	0.94	0.96	0.98	0.99	1.01
	0.30		0.75	0.81	0.85	0.88	0.91	0.94	0.96	0.98	0.99
	0.20		0.72	0.78	0.82	0.85	0.89	0.92	0.94	0.96	0.98
0.00	0.00	0.00	0.70	0.76	0.79	0.82	0.86	0.88	0.89	0.91	0.93

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	0.62	0.51	0.43	0.37	0.29	0.24	0.21	0.16	0.13
	0.30		0.52	0.43	0.37	0.33	0.27	0.22	0.19	0.15	0.12
	0.20		0.45	0.38	0.33	0.29	0.24	0.21	0.18	0.14	0.12
0.50	0.50	0.20	0.59	0.48	0.40	0.35	0.27	0.26	0.19	0.15	0.12
	0.30		0.50	0.41	0.35	0.31	0.25	0.21	0.18	0.14	0.11
	0.20		0.43	0.37	0.32	0.28	0.23	0.19	0.17	0.13	0.11
0.30	0.50	0.20	0.56	0.45	0.37	0.32	0.25	0.21	0.17	0.13	0.11
	0.30		0.48	0.39	0.33	0.29	0.23	0.19	0.16	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	0.10	0.09	0.07	0.06

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	0.23	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	0.16	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	0.13	0.15	0.17	0.18	0.19	0.20
0.30	0.50	0.20	0.15	0.17	0.18	0.18	0.20	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	0.10	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	994.6	1.0	1.0	0.19	0.19
1.0-2.0	988.8	2.8	3.8	0.56	0.75
2.0-3.0	977.5	4.7	8.5	0.92	1.67
3.0-4.0	961.0	6.4	14.9	1.27	2.94
4.0-5.0	939.3	8.1	23.0	1.60	4.54
5.0-6.0	912.6	9.6	32.6	1.89	6.43
6.0-7.0	881.8	10.9	43.5	2.16	8.59
7.0-8.0	847.3	12.1	55.6	2.39	10.99
8.0-9.0	809.5	13.1	68.8	2.59	13.58
9.0-10.0	769.9	13.9	82.7	2.75	16.33
10.0-11.0	729.0	14.6	97.3	2.88	19.20
11.0-12.0	687.5	15.0	112.3	2.97	22.17
12.0-13.0	646.1	15.3	127.6	3.03	25.20
13.0-14.0	605.3	15.5	143.1	3.06	28.26
14.0-15.0	564.9	15.5	158.6	3.06	31.32
15.0-16.0	526.0	15.4	174.1	3.04	34.36
16.0-17.0	489.1	15.2	189.3	3.01	37.37
17.0-18.0	453.5	15.0	204.2	2.95	40.32
18.0-19.0	419.7	14.6	218.8	2.88	43.21
19.0-20.0	387.8	14.2	233.0	2.80	46.01
20.0-21.0	357.8	13.7	246.8	2.71	48.72
21.0-22.0	329.6	13.2	260.0	2.62	51.34
22.0-23.0	303.4	12.7	272.8	2.51	53.85
23.0-24.0	278.9	12.2	285.0	2.41	56.26
24.0-25.0	256.3	11.7	296.6	2.30	58.56
25.0-26.0	235.3	11.1	307.7	2.19	60.75
26.0-27.0	215.9	10.6	318.3	2.09	62.84
27.0-28.0	198.1	10.0	328.3	1.98	64.82
28.0-29.0	181.7	9.5	337.8	1.88	66.70
29.0-30.0	166.7	9.0	346.8	1.78	68.47
30.0-31.0	152.9	8.5	355.3	1.68	70.15
31.0-32.0	140.2	8.0	363.4	1.59	71.74
32.0-33.0	128.6	7.6	370.9	1.50	73.24
33.0-34.0	118.1	7.1	378.1	1.41	74.65
34.0-35.0	108.4	6.7	384.8	1.33	75.98
35.0-36.0	99.6	6.3	391.2	1.25	77.23

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	91.6	6.0	397.1	1.18	78.41
37.0-38.0	84.3	5.6	402.8	1.11	79.52
38.0-39.0	77.7	5.3	408.1	1.05	80.57
39.0-40.0	71.8	5.0	413.1	0.99	81.55
40.0-41.0	66.3	4.7	417.8	0.93	82.49
41.0-42.0	61.3	4.5	422.3	0.88	83.37
42.0-43.0	56.8	4.2	426.5	0.83	84.20
43.0-44.0	52.6	4.0	430.4	0.78	84.98
44.0-45.0	48.8	3.7	434.2	0.74	85.72
45.0-46.0	45.3	3.5	437.7	0.70	86.42
46.0-47.0	42.1	3.3	441.1	0.66	87.08
47.0-48.0	39.2	3.2	444.2	0.62	87.70
48.0-49.0	36.5	3.0	447.2	0.59	88.30
49.0-50.0	34.0	2.8	450.1	0.56	88.86
50.0-51.0	31.7	2.7	452.7	0.53	89.39
51.0-52.0	29.6	2.5	455.3	0.50	89.89
52.0-53.0	27.7	2.4	457.7	0.48	90.36
53.0-54.0	25.9	2.3	460.0	0.45	90.81
54.0-55.0	24.2	2.2	462.1	0.43	91.24
55.0-56.0	22.7	2.0	464.2	0.40	91.64
56.0-57.0	21.2	1.9	466.1	0.38	92.03
57.0-58.0	19.8	1.8	468.0	0.36	92.39
58.0-59.0	18.5	1.7	469.7	0.34	92.73
59.0-60.0	17.3	1.6	471.3	0.32	93.05
60.0-61.0	16.1	1.5	472.9	0.30	93.36
61.0-62.0	15.0	1.4	474.3	0.29	93.64
62.0-63.0	14.0	1.4	475.7	0.27	93.91
63.0-64.0	13.1	1.3	477.0	0.25	94.17
64.0-65.0	12.2	1.2	478.2	0.24	94.40
65.0-66.0	11.4	1.1	479.3	0.22	94.63
66.0-67.0	10.6	1.1	480.4	0.21	94.84
67.0-68.0	9.8	1.0	481.4	0.20	95.03
68.0-69.0	9.1	0.9	482.3	0.18	95.22
69.0-70.0	8.5	0.9	483.2	0.17	95.39
70.0-71.0	7.8	0.8	484.0	0.16	95.55
71.0-72.0	7.2	0.7	484.7	0.15	95.70

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	6.6	0.7	485.4	0.14	95.83
73.0-74.0	6.0	0.6	486.0	0.12	95.96
74.0-75.0	5.5	0.6	486.6	0.11	96.07
75.0-76.0	5.0	0.5	487.1	0.11	96.18
76.0-77.0	4.6	0.5	487.6	0.10	96.27
77.0-78.0	4.2	0.4	488.1	0.09	96.36
78.0-79.0	3.8	0.4	488.5	0.08	96.44
79.0-80.0	3.4	0.4	488.9	0.07	96.51
80.0-81.0	3.1	0.3	489.2	0.07	96.58
81.0-82.0	2.8	0.3	489.5	0.06	96.64
82.0-83.0	2.5	0.3	489.8	0.05	96.69
83.0-84.0	2.3	0.3	490.0	0.05	96.74
84.0-85.0	2.1	0.2	490.2	0.05	96.79
85.0-86.0	2.0	0.2	490.5	0.04	96.83
86.0-87.0	1.9	0.2	490.7	0.04	96.87
87.0-88.0	1.9	0.2	490.9	0.04	96.91
88.0-89.0	1.8	0.2	491.1	0.04	96.95
89.0-90.0	1.8	0.2	491.3	0.04	96.99
90.0-91.0	1.8	0.2	491.5	0.04	97.03
91.0-92.0	1.8	0.2	491.7	0.04	97.07
92.0-93.0	1.8	0.2	491.9	0.04	97.11
93.0-94.0	1.8	0.2	492.1	0.04	97.15
94.0-95.0	1.8	0.2	492.3	0.04	97.19
95.0-96.0	1.8	0.2	492.4	0.04	97.22
96.0-97.0	1.8	0.2	492.6	0.04	97.26
97.0-98.0	1.8	0.2	492.8	0.04	97.30
98.0-99.0	1.8	0.2	493.0	0.04	97.34
99.0-100.0	1.7	0.2	493.2	0.04	97.37
100.0-101.0	1.7	0.2	493.4	0.04	97.41
101.0-102.0	1.7	0.2	493.6	0.04	97.45
102.0-103.0	1.7	0.2	493.8	0.04	97.48
103.0-104.0	1.8	0.2	494.0	0.04	97.52
104.0-105.0	1.7	0.2	494.1	0.04	97.56
105.0-106.0	1.7	0.2	494.3	0.04	97.59
106.0-107.0	1.7	0.2	494.5	0.04	97.63
107.0-108.0	1.8	0.2	494.7	0.04	97.67

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	494.9	0.04	97.70
109.0-110.0	1.8	0.2	495.1	0.04	97.74
110.0-111.0	1.8	0.2	495.2	0.04	97.78
111.0-112.0	1.8	0.2	495.4	0.04	97.81
112.0-113.0	1.8	0.2	495.6	0.04	97.85
113.0-114.0	1.8	0.2	495.8	0.04	97.88
114.0-115.0	1.9	0.2	496.0	0.04	97.92
115.0-116.0	1.9	0.2	496.2	0.04	97.96
116.0-117.0	1.9	0.2	496.3	0.04	97.99
117.0-118.0	1.9	0.2	496.5	0.04	98.03
118.0-119.0	2.0	0.2	496.7	0.04	98.07
119.0-120.0	2.0	0.2	496.9	0.04	98.11
120.0-121.0	2.0	0.2	497.1	0.04	98.14
121.0-122.0	2.0	0.2	497.3	0.04	98.18
122.0-123.0	2.0	0.2	497.5	0.04	98.22
123.0-124.0	2.1	0.2	497.7	0.04	98.26
124.0-125.0	2.1	0.2	497.9	0.04	98.29
125.0-126.0	2.2	0.2	498.1	0.04	98.33
126.0-127.0	2.2	0.2	498.2	0.04	98.37
127.0-128.0	2.2	0.2	498.4	0.04	98.41
128.0-129.0	2.3	0.2	498.6	0.04	98.45
129.0-130.0	2.3	0.2	498.8	0.04	98.49
130.0-131.0	2.4	0.2	499.0	0.04	98.53
131.0-132.0	2.4	0.2	499.2	0.04	98.56
132.0-133.0	2.5	0.2	499.4	0.04	98.60
133.0-134.0	2.6	0.2	499.6	0.04	98.64
134.0-135.0	2.6	0.2	499.8	0.04	98.68
135.0-136.0	2.7	0.2	500.1	0.04	98.73
136.0-137.0	2.7	0.2	500.3	0.04	98.77
137.0-138.0	2.8	0.2	500.5	0.04	98.81
138.0-139.0	2.9	0.2	500.7	0.04	98.85
139.0-140.0	2.9	0.2	500.9	0.04	98.89
140.0-141.0	3.0	0.2	501.1	0.04	98.93
141.0-142.0	3.1	0.2	501.3	0.04	98.97
142.0-143.0	3.1	0.2	501.5	0.04	99.01
143.0-144.0	3.2	0.2	501.7	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	3.3	0.2	501.9	0.04	99.10
145.0-146.0	3.4	0.2	502.1	0.04	99.14
146.0-147.0	3.5	0.2	502.3	0.04	99.18
147.0-148.0	3.5	0.2	502.6	0.04	99.22
148.0-149.0	3.6	0.2	502.8	0.04	99.26
149.0-150.0	3.6	0.2	503.0	0.04	99.30
150.0-151.0	3.7	0.2	503.2	0.04	99.34
151.0-152.0	3.8	0.2	503.4	0.04	99.38
152.0-153.0	3.9	0.2	503.6	0.04	99.42
153.0-154.0	3.9	0.2	503.8	0.04	99.46
154.0-155.0	4.0	0.2	503.9	0.04	99.49
155.0-156.0	4.1	0.2	504.1	0.04	99.53
156.0-157.0	4.1	0.2	504.3	0.04	99.56
157.0-158.0	4.2	0.2	504.5	0.03	99.60
158.0-159.0	4.2	0.2	504.6	0.03	99.63
159.0-160.0	4.3	0.2	504.8	0.03	99.66
160.0-161.0	4.3	0.2	505.0	0.03	99.70
161.0-162.0	4.4	0.2	505.1	0.03	99.73
162.0-163.0	4.4	0.1	505.3	0.03	99.75
163.0-164.0	4.4	0.1	505.4	0.03	99.78
164.0-165.0	4.5	0.1	505.5	0.03	99.81
165.0-166.0	4.5	0.1	505.7	0.02	99.83
166.0-167.0	4.5	0.1	505.8	0.02	99.85
167.0-168.0	4.5	0.1	505.9	0.02	99.88
168.0-169.0	4.5	0.1	506.0	0.02	99.90
169.0-170.0	4.5	0.1	506.1	0.02	99.91
170.0-171.0	4.6	0.1	506.2	0.02	99.93
171.0-172.0	4.6	0.1	506.2	0.01	99.94
172.0-173.0	4.6	0.1	506.3	0.01	99.96
173.0-174.0	4.6	0.1	506.3	0.01	99.97
174.0-175.0	4.6	0.0	506.4	0.01	99.98
175.0-176.0	4.6	0.0	506.4	0.01	99.99
176.0-177.0	4.6	0.0	506.5	0.01	99.99
177.0-178.0	4.6	0.0	506.5	0.00	100.00
178.0-179.0	4.6	0.0	506.5	0.00	100.00
179.0-180.0	4.6	0.0	506.5	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: