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

Report No.: **Test Time: 2021/12/30 16:15**

Luminaire Property

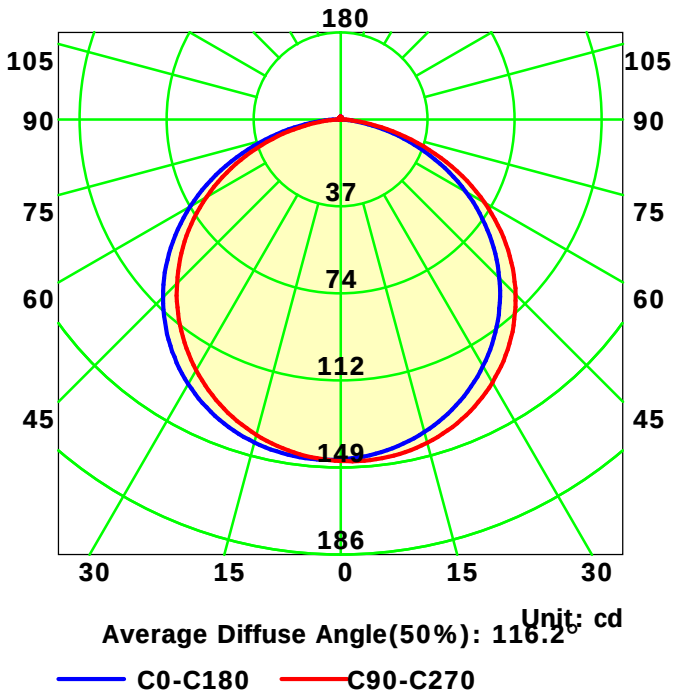
Luminaire Manufacturer:
Luminaire Category: Double Row Ribbonlyte
Luminaire Description: DRRB0VWS2206.0VW
Lamp Catalog: 3527-2100+6200K **Lamp Description: 6200K**
Number of Lamps: 280/M **Luminous Length (mm): 500**
Luminous Width (mm): 22 **Luminous Height (mm): 2**
Voltage: 24.0 V **Current: 0.206 A**
Power: 4.95 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 438.2 lm**
Measurement Flux: 438.2 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H161.1,H116.1
Vertical Diffuse Angle(10%,50%): V160.8,V116.4
Luminaire Efficacy Rating (LER): 89 **Central Intensity: 145.91 cd**
Max. Intensity: 147.01 cd **Pos of Max. Intensity: H120 V4**

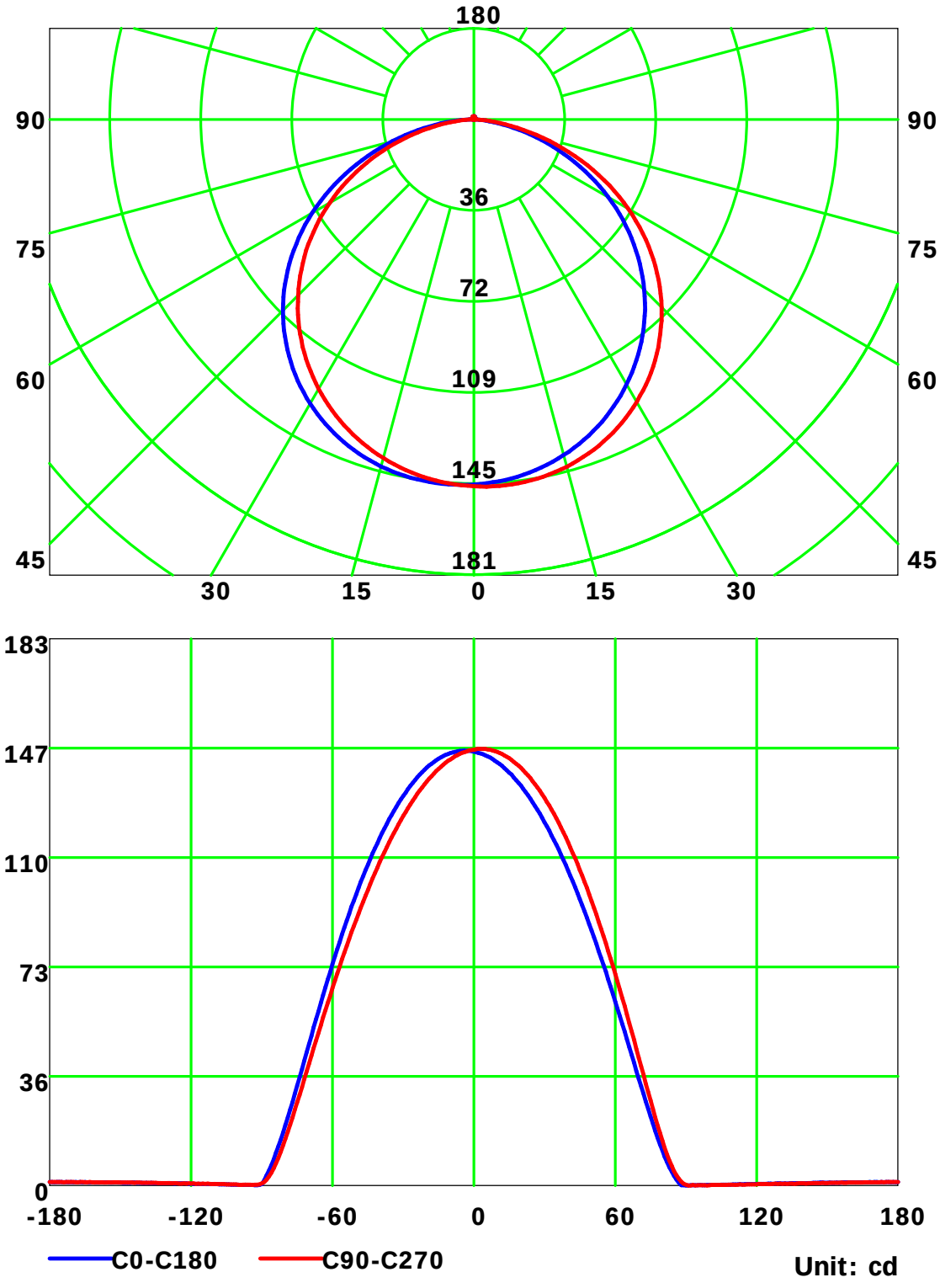
Picture Of Luminaire

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:**

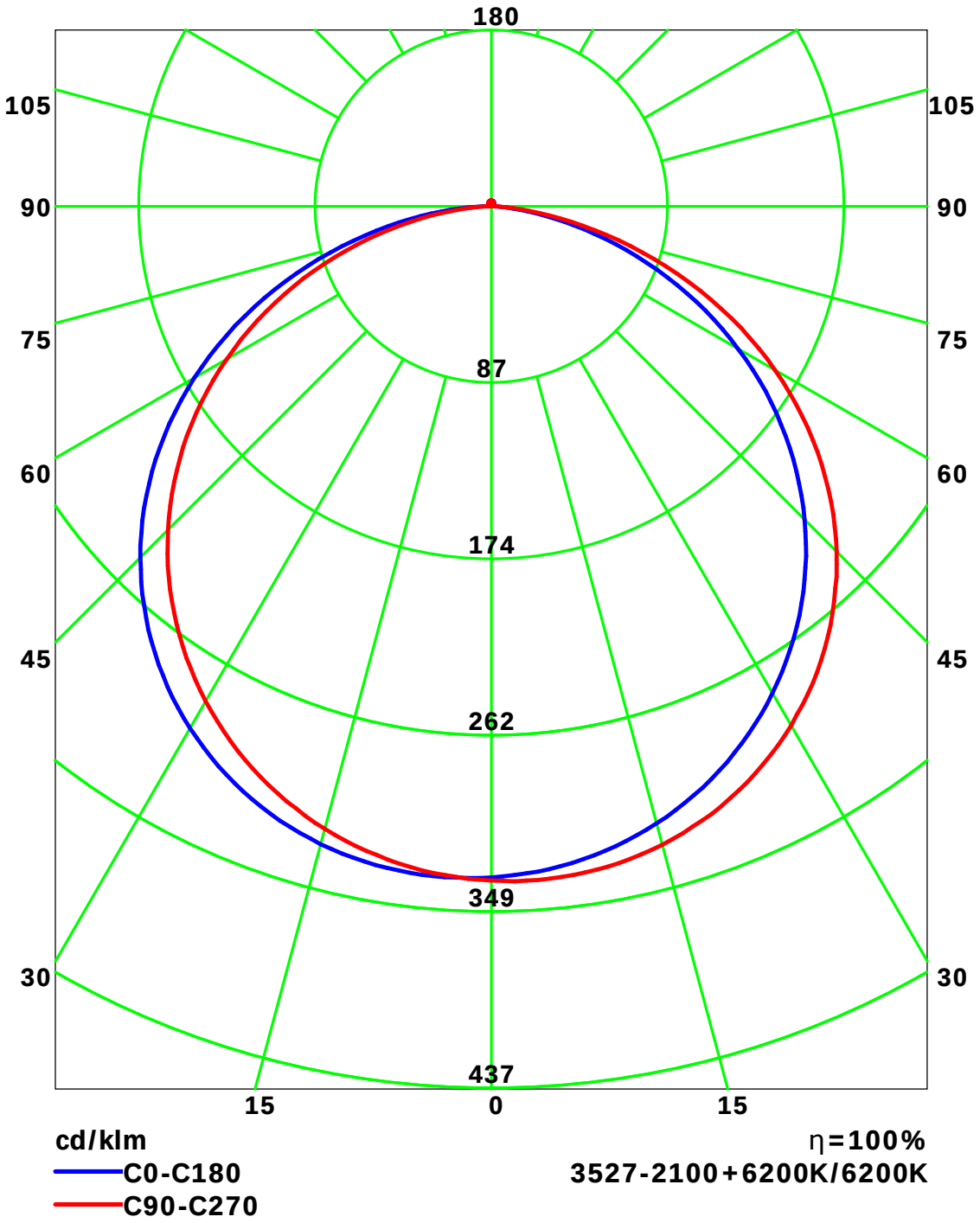
Luminous Intensity Distribution Curve



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

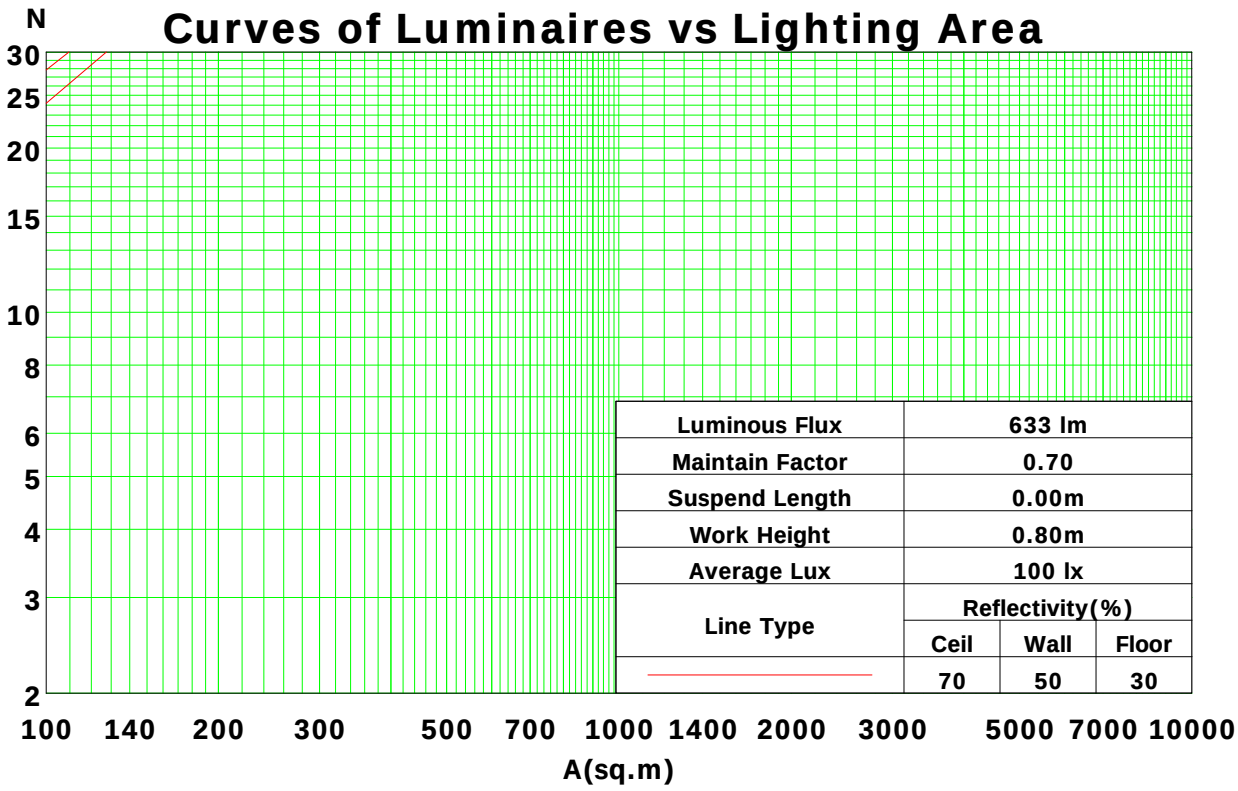
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	84	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	69	56	47	41	67	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	45	39	35	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	30	25	23

Spacing Criteria (0-180): 1.29
Spacing Criteria (90-270): 1.29
Spacing Criteria (Diagonal): 1.41

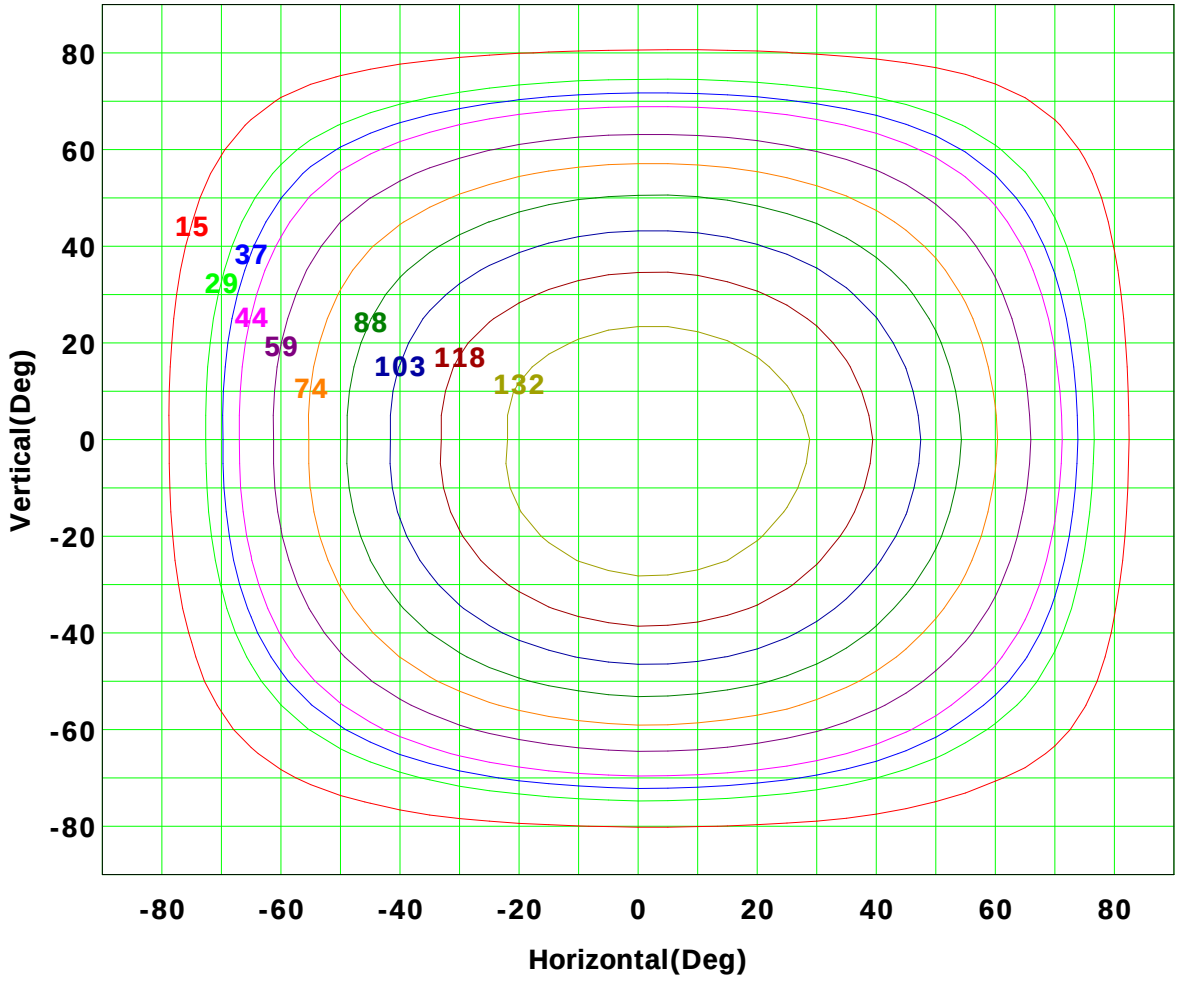
Curves of Luminaires vs Lighting Area



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)



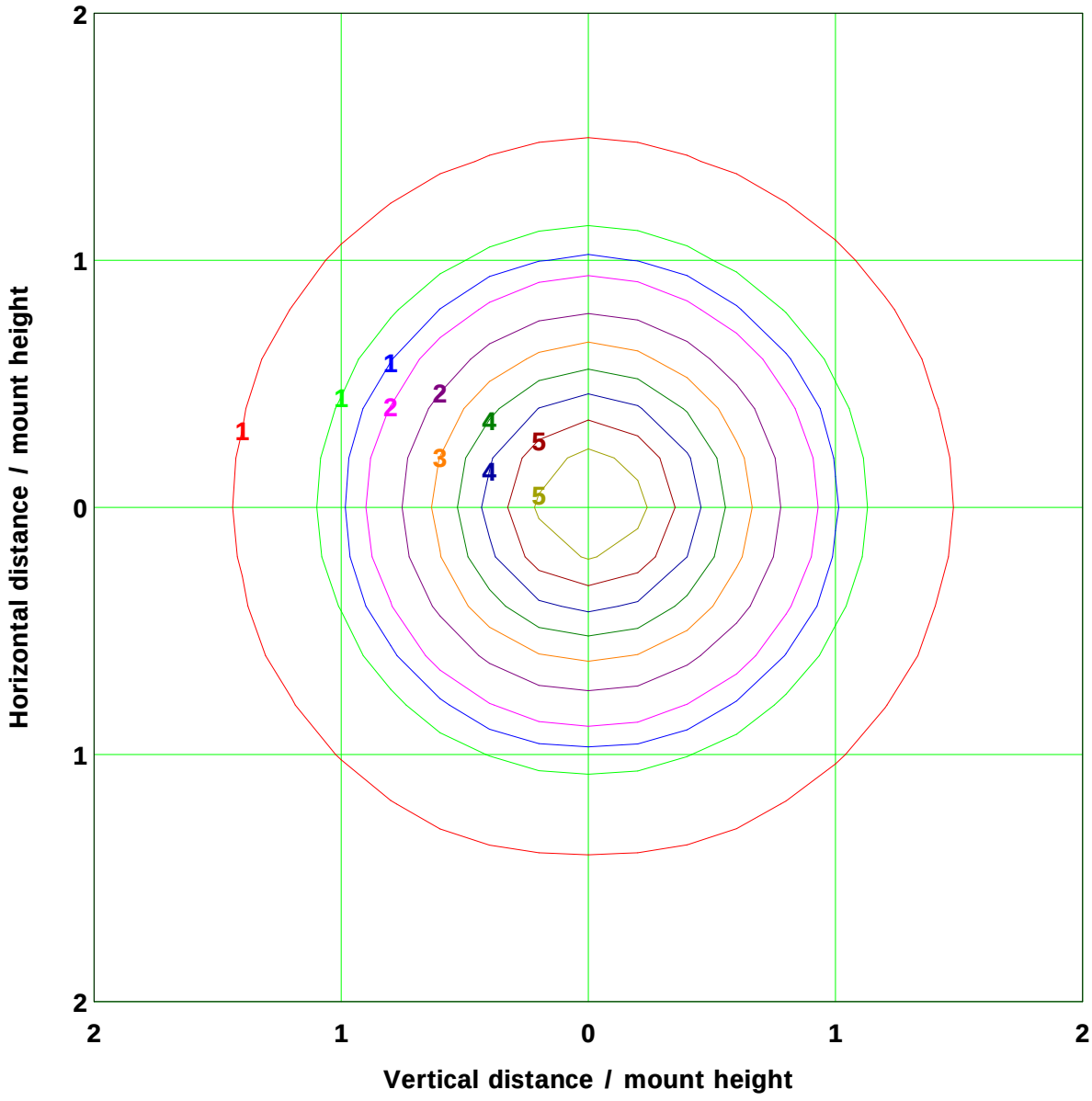
Imax (100%): 147 cd

(10%):	15 cd	(20%):	29 cd
(25%):	37 cd	(30%):	44 cd
(40%):	59 cd	(50%):	74 cd
(60%):	88 cd	(70%):	103 cd
(80%):	118 cd	(90%):	132 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%): 5.9 lx

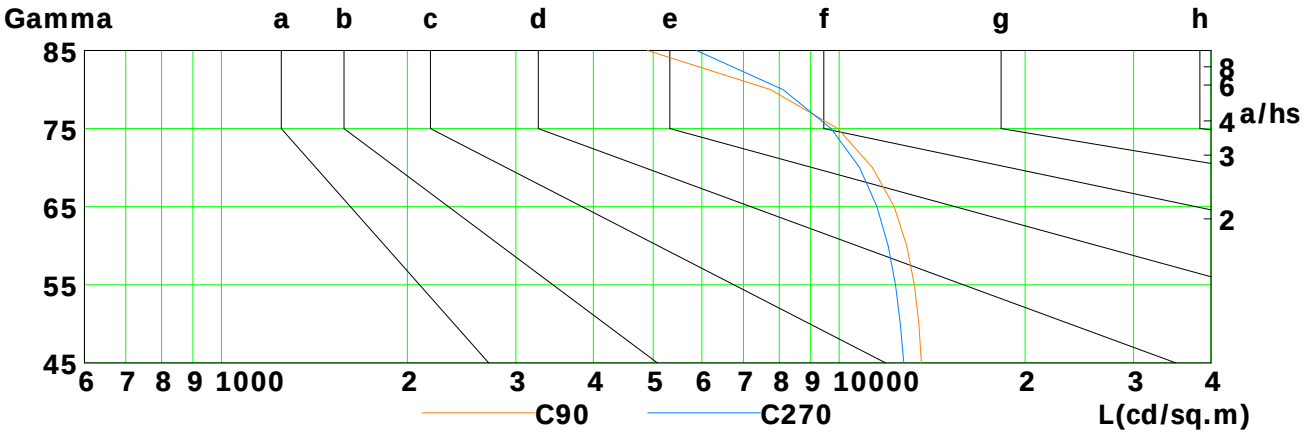
(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.3 lx	(50%): 2.9 lx
(60%): 3.5 lx	(70%): 4.1 lx
(80%): 4.7 lx	(90%): 5.3 lx

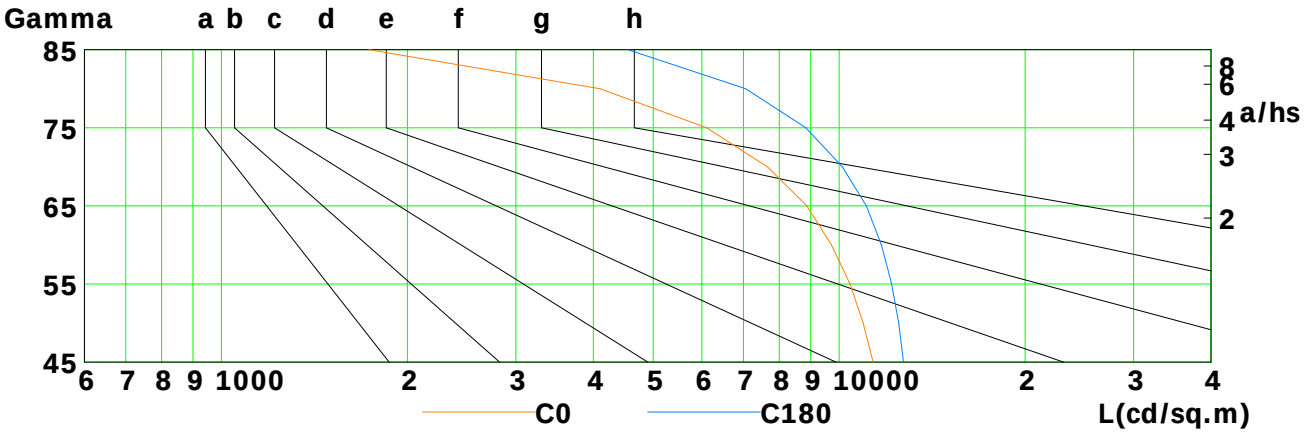
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: JACKY

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



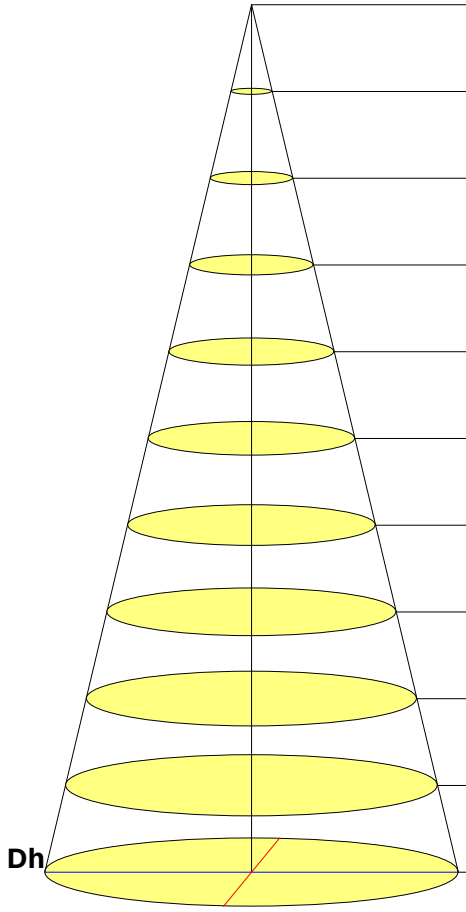


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	11351	10943	10415	9725	8866	7654	6103	4104	1734
C90	13595	13462	13238	12862	12285	11321	9953	7745	4898
C180	12723	12495	12168	11717	11071	10130	8836	7061	4553
C270	12731	12571	12343	12004	11519	10800	9714	8109	5875

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



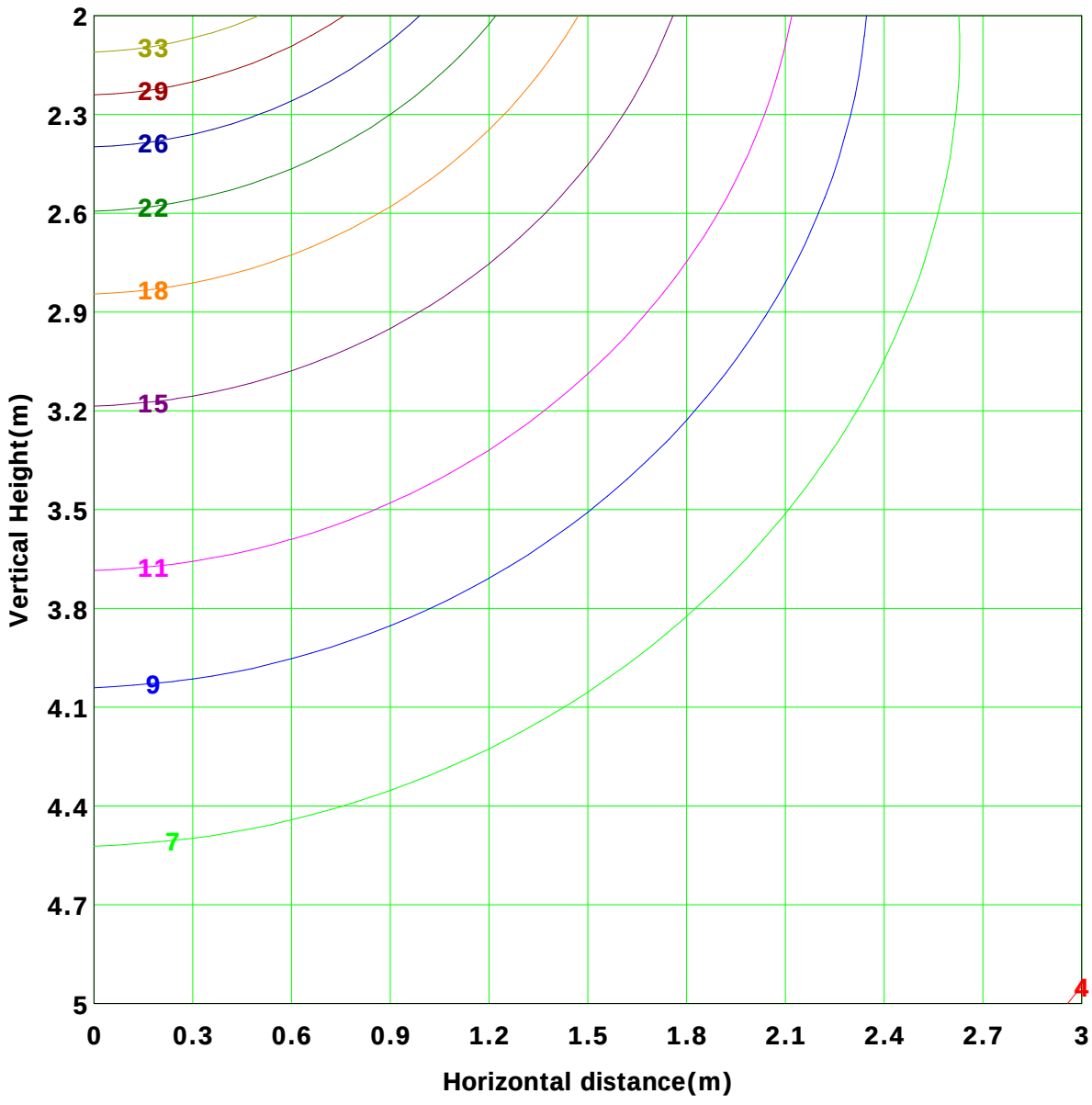
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	145.91	3.21/3.22	8.2	21.88
2.0	36.48	6.42/6.45	32.7	5.47
3.0	16.21	9.63/9.67	73.6	2.43
4.0	9.12	12.84/12.89	130.9	1.37
5.0	5.84	16.04/16.11	204.5	0.88
6.0	4.05	19.25/19.34	294.5	0.61
7.0	2.98	22.46/22.56	400.8	0.45
8.0	2.28	25.67/25.78	523.5	0.34
9.0	1.80	28.88/29.00	662.5	0.27
10.0	1.46	32.09/32.23	818.0	0.22

Beam Angle(B): H116.1 V116.4 Field Angle(F): H161.1 V160.8

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: 36.5 lx

(10%): 3.6 lx	(20%): 7.3 lx
(25%): 9.1 lx	(30%): 10.9 lx
(40%): 14.6 lx	(50%): 18.2 lx
(60%): 21.9 lx	(70%): 25.5 lx
(80%): 29.2 lx	(90%): 32.8 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

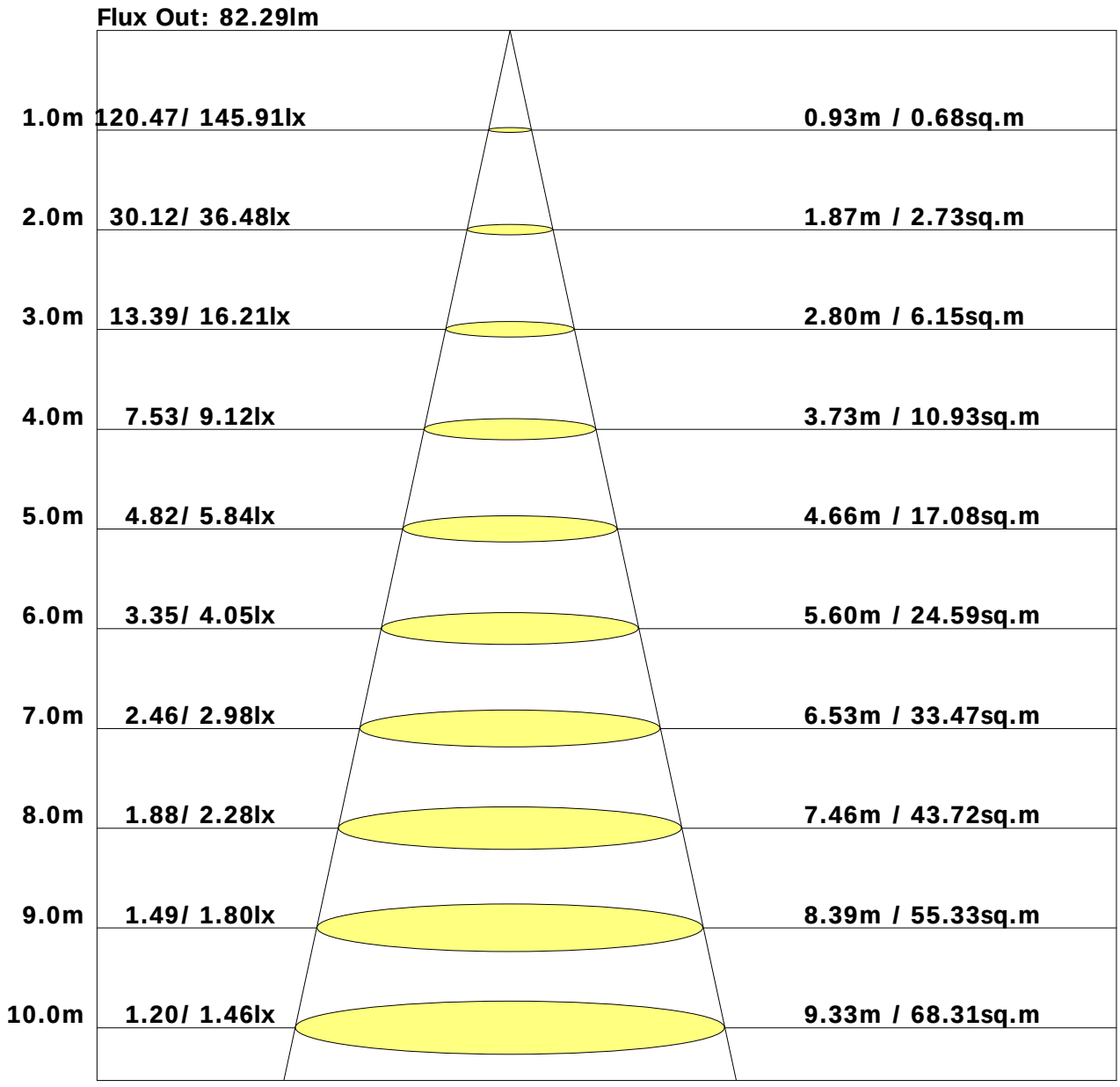
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1
0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.9	2.5
0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	8.3	7.9
0.0	0.0	0.1	0.3	0.5	0.7	1.0	1.2	1.3	1.4	1.5	1.3	1.2	1.0	0.8	0.5	0.2	0.0	0.0	15.9	15.6
0.0	0.0	0.1	0.4	0.8	1.2	1.5	1.8	2.1	2.2	2.3	2.3	2.2	2.0	1.8	1.2	0.8	0.4	0.1	24.8	24.4
0.0	0.0	0.2	0.6	1.1	1.6	2.1	2.5	2.8	3.0	3.1	3.1	3.0	2.7	2.4	1.6	1.1	0.5	0.1	33.6	33.2
0.0	0.0	0.2	0.7	1.4	2.0	2.5	3.1	3.4	3.6	3.7	3.7	3.6	3.3	3.0	2.0	1.4	0.7	0.1	41.1	40.8
0.0	0.0	0.2	0.8	1.5	2.2	2.8	3.3	3.9	4.1	4.2	4.2	4.0	3.7	3.3	2.2	1.5	0.8	0.2	46.6	46.2
0.0	0.0	0.2	0.9	1.6	2.4	3.0	3.5	4.1	4.3	4.4	4.4	4.2	3.9	3.5	2.4	1.6	0.9	0.2	49.3	48.9
0.0	0.0	0.2	0.8	1.6	2.4	3.0	3.5	4.1	4.3	4.4	4.4	4.2	3.9	3.5	2.4	1.6	0.8	0.2	48.9	48.6
0.0	0.0	0.2	0.8	1.5	2.2	2.9	3.4	3.8	4.0	4.1	4.1	3.9	3.7	3.3	2.2	1.5	0.8	0.2	45.5	45.2
0.0	0.0	0.2	0.7	1.3	1.9	2.5	3.0	3.3	3.5	3.6	3.5	3.4	3.2	2.9	1.9	1.3	0.7	0.2	39.5	39.1
0.0	0.0	0.1	0.5	1.0	1.5	2.0	2.4	2.6	2.8	2.9	2.9	2.8	2.6	2.3	1.5	1.0	0.5	0.1	31.5	31.2
0.0	0.0	0.1	0.4	0.8	1.1	1.4	1.7	1.9	2.0	2.1	2.1	2.0	1.9	1.7	1.1	0.7	0.4	0.1	22.7	22.3
0.0	0.0	0.1	0.3	0.6	0.9	1.1	1.3	1.4	1.5	1.5	1.5	1.4	1.3	1.1	0.7	0.4	0.2	0.1	14.0	13.6
0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.6	0.4	0.2	0.1	0.0	6.7	6.3
0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	2.0	1.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
1.9	7.4	14.2	20.8	26.7	31.6	35.4	38.0	39.3	39.5	38.4	36.1	32.5	27.6	21.5	14.4	7.1	1.5	434		
0.1	6.6	14.0	20.7	26.6	31.5	35.3	37.9	39.3	39.4	38.4	36.1	32.4	27.5	21.3	14.1	6.1	0.0		427	

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	23.3	25.0	23.7	25.3	25.6	23.7	25.3	24.1	25.6	26.0
3H	25.0	26.4	25.4	26.8	27.2	25.3	26.8	25.7	27.2	27.5
4H	25.5	26.9	25.9	27.3	27.7	25.9	27.3	26.3	27.6	28.0
6H	25.8	27.1	26.2	27.5	27.9	26.2	27.5	26.6	27.8	28.3
8H	25.9	27.1	26.3	27.5	27.9	26.2	27.5	26.7	27.9	28.3
12H	25.9	27.1	26.3	27.5	27.9	26.2	27.4	26.7	27.8	28.3
X=4H Y=2H	23.9	25.3	24.4	25.7	26.1	24.3	25.7	24.7	26.0	26.4
3H	25.8	27.0	26.2	27.4	27.8	26.1	27.3	26.6	27.7	28.1
4H	26.4	27.5	26.9	27.9	28.4	26.8	27.8	27.2	28.2	28.7
6H	26.9	27.8	27.3	28.2	28.7	27.2	28.1	27.6	28.5	29.0
8H	27.0	27.8	27.4	28.3	28.8	27.2	28.1	27.7	28.6	29.1
12H	27.0	27.8	27.5	28.3	28.7	27.3	28.1	27.8	28.5	29.0
X=8H Y=4H	26.7	27.6	27.2	28.0	28.5	27.0	27.9	27.5	28.3	28.8
6H	27.2	27.9	27.7	28.4	28.9	27.5	28.2	28.0	28.7	29.2
8H	27.3	28.0	27.9	28.5	29.0	27.6	28.2	28.1	28.8	29.3
12H	27.4	28.0	27.9	28.5	29.1	27.7	28.2	28.2	28.7	29.3
X=12H Y=4H	26.7	27.5	27.2	28.0	28.5	27.0	27.8	27.5	28.3	28.8
6H	27.2	27.9	27.8	28.4	28.9	27.5	28.1	28.0	28.6	29.2
8H	27.4	28.0	27.9	28.5	29.1	27.7	28.2	28.2	28.7	29.3

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 = 1.25					
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	0.56	0.66	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.42	0.52	0.60	0.66	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.52	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92
	0.20		0.41	0.51	0.59	0.64	0.72	0.77	0.81	0.87	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85

Rating:5W 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 = 1.25								
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	1.01	0.83	0.71	0.62	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.62	0.55	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.55	0.49	0.41	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.54	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.37	0.32	0.24	0.20
	0.30		0.80	0.68	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.53	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.60	0.51	0.43	0.38	0.31	0.26	0.22	0.17	0.14

Rating:5W 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 = 1.25								
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	0.21	0.22	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Rating:5W 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	146.4	0.1	0.1	0.03	0.03
1.0-2.0	146.3	0.4	0.6	0.10	0.13
2.0-3.0	146.2	0.7	1.3	0.16	0.29
3.0-4.0	146.1	1.0	2.2	0.22	0.51
4.0-5.0	146.0	1.3	3.5	0.29	0.80
5.0-6.0	145.8	1.5	5.0	0.35	1.15
6.0-7.0	145.5	1.8	6.8	0.41	1.56
7.0-8.0	145.2	2.1	8.9	0.47	2.03
8.0-9.0	144.9	2.3	11.3	0.54	2.57
9.0-10.0	144.5	2.6	13.9	0.60	3.17
10.0-11.0	144.1	2.9	16.8	0.66	3.82
11.0-12.0	143.6	3.1	19.9	0.72	4.54
12.0-13.0	143.1	3.4	23.3	0.78	5.31
13.0-14.0	142.6	3.6	26.9	0.83	6.15
14.0-15.0	142.0	3.9	30.8	0.89	7.04
15.0-16.0	141.3	4.1	35.0	0.95	7.98
16.0-17.0	140.6	4.4	39.4	1.00	8.98
17.0-18.0	139.9	4.6	44.0	1.05	10.03
18.0-19.0	139.1	4.8	48.8	1.10	11.14
19.0-20.0	138.3	5.1	53.9	1.16	12.30
20.0-21.0	137.5	5.3	59.2	1.20	13.50
21.0-22.0	136.6	5.5	64.6	1.25	14.75
22.0-23.0	135.6	5.7	70.3	1.30	16.05
23.0-24.0	134.6	5.9	76.2	1.34	17.39
24.0-25.0	133.6	6.1	82.3	1.39	18.78
25.0-26.0	132.5	6.3	88.5	1.43	20.21
26.0-27.0	131.4	6.4	95.0	1.47	21.67
27.0-28.0	130.2	6.6	101.6	1.50	23.18
28.0-29.0	129.0	6.7	108.3	1.54	24.72
29.0-30.0	127.7	6.9	115.2	1.57	26.29
30.0-31.0	126.4	7.0	122.2	1.61	27.90
31.0-32.0	125.0	7.2	129.4	1.64	29.53
32.0-33.0	123.7	7.3	136.7	1.66	31.20
33.0-34.0	122.2	7.4	144.1	1.69	32.88
34.0-35.0	120.7	7.5	151.6	1.71	34.60
35.0-36.0	119.2	7.6	159.2	1.73	36.33

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	117.6	7.7	166.9	1.75	38.08
37.0-38.0	116.0	7.7	174.6	1.77	39.85
38.0-39.0	114.4	7.8	182.4	1.78	41.63
39.0-40.0	112.7	7.9	190.3	1.79	43.42
40.0-41.0	110.9	7.9	198.2	1.80	45.22
41.0-42.0	109.1	7.9	206.1	1.81	47.03
42.0-43.0	107.3	8.0	214.1	1.81	48.85
43.0-44.0	105.4	8.0	222.0	1.82	50.67
44.0-45.0	103.5	8.0	230.0	1.82	52.48
45.0-46.0	101.6	7.9	237.9	1.81	54.29
46.0-47.0	99.6	7.9	245.8	1.81	56.10
47.0-48.0	97.5	7.9	253.7	1.80	57.90
48.0-49.0	95.4	7.8	261.6	1.79	59.69
49.0-50.0	93.3	7.8	269.3	1.78	61.46
50.0-51.0	91.1	7.7	277.0	1.76	63.22
51.0-52.0	88.9	7.6	284.7	1.74	64.97
52.0-53.0	86.7	7.5	292.2	1.72	66.69
53.0-54.0	84.4	7.4	299.7	1.70	68.38
54.0-55.0	82.1	7.3	307.0	1.67	70.06
55.0-56.0	79.7	7.2	314.2	1.64	71.70
56.0-57.0	77.3	7.1	321.3	1.61	73.31
57.0-58.0	74.9	6.9	328.2	1.58	74.89
58.0-59.0	72.4	6.8	334.9	1.54	76.44
59.0-60.0	69.9	6.6	341.5	1.51	77.94
60.0-61.0	67.3	6.4	348.0	1.47	79.41
61.0-62.0	64.8	6.2	354.2	1.42	80.83
62.0-63.0	62.2	6.0	360.3	1.38	82.21
63.0-64.0	59.5	5.8	366.1	1.33	83.55
64.0-65.0	56.9	5.6	371.7	1.28	84.83
65.0-66.0	54.2	5.4	377.1	1.23	86.07
66.0-67.0	51.5	5.2	382.3	1.18	87.25
67.0-68.0	48.8	4.9	387.3	1.13	88.38
68.0-69.0	46.1	4.7	392.0	1.07	89.45
69.0-70.0	43.3	4.4	396.4	1.02	90.47
70.0-71.0	40.6	4.2	400.6	0.96	91.42
71.0-72.0	37.9	3.9	404.5	0.90	92.32

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	35.1	3.7	408.2	0.84	93.16
73.0-74.0	32.4	3.4	411.6	0.78	93.94
74.0-75.0	29.8	3.1	414.8	0.72	94.66
75.0-76.0	27.1	2.9	417.7	0.66	95.31
76.0-77.0	24.5	2.6	420.3	0.60	95.91
77.0-78.0	21.9	2.3	422.6	0.54	96.44
78.0-79.0	19.4	2.1	424.7	0.48	96.92
79.0-80.0	17.0	1.8	426.5	0.42	97.34
80.0-81.0	14.7	1.6	428.1	0.36	97.70
81.0-82.0	12.5	1.4	429.5	0.31	98.01
82.0-83.0	10.4	1.1	430.6	0.26	98.27
83.0-84.0	8.5	0.9	431.5	0.21	98.48
84.0-85.0	6.7	0.7	432.3	0.17	98.65
85.0-86.0	5.1	0.6	432.8	0.13	98.77
86.0-87.0	3.7	0.4	433.2	0.09	98.86
87.0-88.0	2.5	0.3	433.5	0.06	98.93
88.0-89.0	1.5	0.2	433.7	0.04	98.96
89.0-90.0	0.9	0.1	433.8	0.02	98.99
90.0-91.0	0.5	0.1	433.8	0.01	99.00
91.0-92.0	0.4	0.0	433.9	0.01	99.01
92.0-93.0	0.4	0.0	433.9	0.01	99.02
93.0-94.0	0.3	0.0	433.9	0.01	99.03
94.0-95.0	0.3	0.0	434.0	0.01	99.03
95.0-96.0	0.4	0.0	434.0	0.01	99.04
96.0-97.0	0.4	0.0	434.0	0.01	99.05
97.0-98.0	0.4	0.0	434.1	0.01	99.06
98.0-99.0	0.4	0.0	434.1	0.01	99.07
99.0-100.0	0.4	0.0	434.2	0.01	99.08
100.0-101.0	0.4	0.0	434.2	0.01	99.09
101.0-102.0	0.4	0.0	434.2	0.01	99.10
102.0-103.0	0.4	0.0	434.3	0.01	99.11
103.0-104.0	0.4	0.0	434.3	0.01	99.12
104.0-105.0	0.4	0.0	434.4	0.01	99.13
105.0-106.0	0.4	0.0	434.4	0.01	99.14
106.0-107.0	0.4	0.0	434.5	0.01	99.15
107.0-108.0	0.5	0.0	434.5	0.01	99.16

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	0.5	0.1	434.6	0.01	99.17
109.0-110.0	0.5	0.1	434.6	0.01	99.18
110.0-111.0	0.5	0.1	434.7	0.01	99.20
111.0-112.0	0.5	0.1	434.7	0.01	99.21
112.0-113.0	0.6	0.1	434.8	0.01	99.22
113.0-114.0	0.6	0.1	434.8	0.01	99.24
114.0-115.0	0.6	0.1	434.9	0.01	99.25
115.0-116.0	0.6	0.1	435.0	0.01	99.26
116.0-117.0	0.6	0.1	435.0	0.01	99.28
117.0-118.0	0.6	0.1	435.1	0.01	99.29
118.0-119.0	0.6	0.1	435.1	0.01	99.30
119.0-120.0	0.7	0.1	435.2	0.01	99.32
120.0-121.0	0.7	0.1	435.3	0.01	99.33
121.0-122.0	0.7	0.1	435.3	0.01	99.35
122.0-123.0	0.7	0.1	435.4	0.02	99.36
123.0-124.0	0.7	0.1	435.5	0.02	99.38
124.0-125.0	0.7	0.1	435.5	0.02	99.39
125.0-126.0	0.8	0.1	435.6	0.02	99.41
126.0-127.0	0.8	0.1	435.7	0.02	99.42
127.0-128.0	0.8	0.1	435.7	0.02	99.44
128.0-129.0	0.8	0.1	435.8	0.02	99.46
129.0-130.0	0.8	0.1	435.9	0.02	99.47
130.0-131.0	0.8	0.1	436.0	0.02	99.49
131.0-132.0	0.8	0.1	436.0	0.02	99.50
132.0-133.0	0.9	0.1	436.1	0.02	99.52
133.0-134.0	0.9	0.1	436.2	0.02	99.54
134.0-135.0	0.9	0.1	436.2	0.02	99.55
135.0-136.0	0.9	0.1	436.3	0.02	99.57
136.0-137.0	0.9	0.1	436.4	0.02	99.58
137.0-138.0	0.9	0.1	436.4	0.02	99.60
138.0-139.0	0.9	0.1	436.5	0.02	99.61
139.0-140.0	1.0	0.1	436.6	0.02	99.63
140.0-141.0	1.0	0.1	436.6	0.02	99.65
141.0-142.0	1.0	0.1	436.7	0.02	99.66
142.0-143.0	1.0	0.1	436.8	0.02	99.68
143.0-144.0	1.0	0.1	436.8	0.02	99.69

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.0	0.1	436.9	0.01	99.71
145.0-146.0	1.0	0.1	437.0	0.01	99.72
146.0-147.0	1.0	0.1	437.0	0.01	99.73
147.0-148.0	1.1	0.1	437.1	0.01	99.75
148.0-149.0	1.1	0.1	437.2	0.01	99.76
149.0-150.0	1.1	0.1	437.2	0.01	99.78
150.0-151.0	1.1	0.1	437.3	0.01	99.79
151.0-152.0	1.1	0.1	437.3	0.01	99.80
152.0-153.0	1.1	0.1	437.4	0.01	99.82
153.0-154.0	1.1	0.1	437.4	0.01	99.83
154.0-155.0	1.1	0.1	437.5	0.01	99.84
155.0-156.0	1.1	0.1	437.5	0.01	99.85
156.0-157.0	1.1	0.0	437.6	0.01	99.86
157.0-158.0	1.1	0.0	437.6	0.01	99.87
158.0-159.0	1.2	0.0	437.7	0.01	99.88
159.0-160.0	1.2	0.0	437.7	0.01	99.89
160.0-161.0	1.2	0.0	437.8	0.01	99.90
161.0-162.0	1.2	0.0	437.8	0.01	99.91
162.0-163.0	1.2	0.0	437.9	0.01	99.92
163.0-164.0	1.2	0.0	437.9	0.01	99.93
164.0-165.0	1.2	0.0	437.9	0.01	99.94
165.0-166.0	1.2	0.0	438.0	0.01	99.95
166.0-167.0	1.2	0.0	438.0	0.01	99.95
167.0-168.0	1.2	0.0	438.0	0.01	99.96
168.0-169.0	1.2	0.0	438.0	0.01	99.97
169.0-170.0	1.3	0.0	438.1	0.01	99.97
170.0-171.0	1.3	0.0	438.1	0.01	99.98
171.0-172.0	1.3	0.0	438.1	0.00	99.98
172.0-173.0	1.3	0.0	438.1	0.00	99.99
173.0-174.0	1.3	0.0	438.2	0.00	99.99
174.0-175.0	1.3	0.0	438.2	0.00	99.99
175.0-176.0	1.3	0.0	438.2	0.00	100.00
176.0-177.0	1.3	0.0	438.2	0.00	100.00
177.0-178.0	1.3	0.0	438.2	0.00	100.00
178.0-179.0	1.3	0.0	438.2	0.00	100.00
179.0-180.0	1.3	0.0	438.2	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: