GENLED Brands
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Report No.: **Test Time: 2023/2/20 15:59**

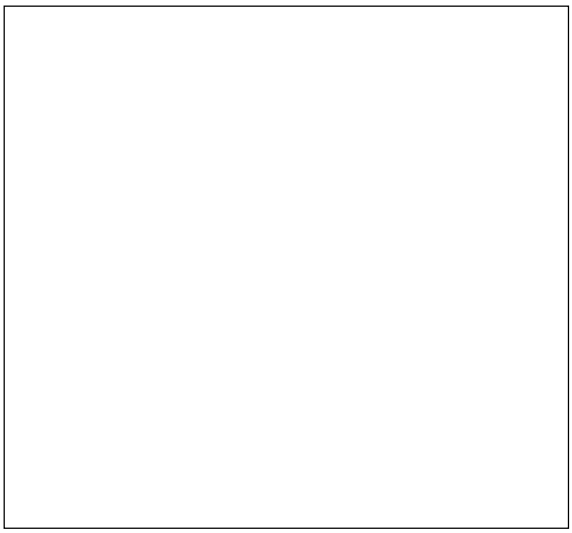
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4020-GREEN ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.4 V**
Current: 0.101 A **Power: 9.05 W**
Power Factor: 0.407

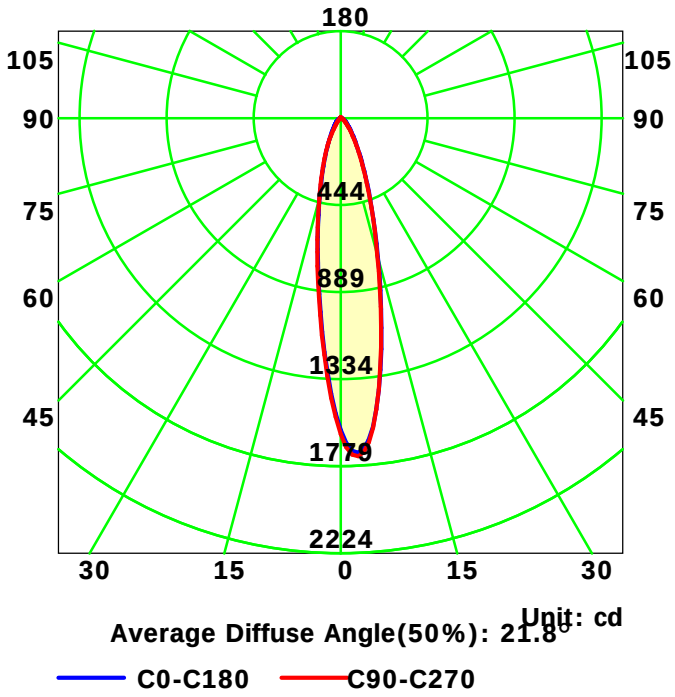
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 522.2 lm**
Measurement Flux: 522.2 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H55.3,H21.9
Vertical Diffuse Angle(10%,50%): V54.9,V21.7
Luminaire Efficacy Rating (LER): 58 **Central Intensity: 1593.18 cd**
Max. Intensity: 1750.69 cd **Pos of Max. Intensity: H60 V4**

Picture Of Luminaire

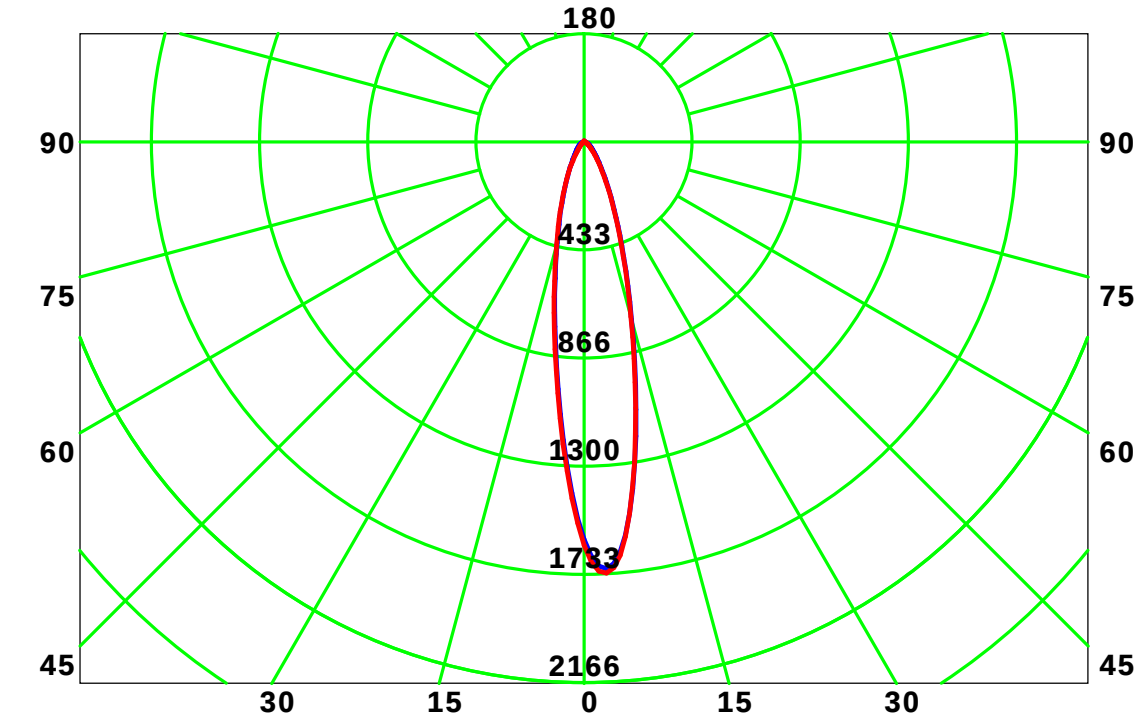


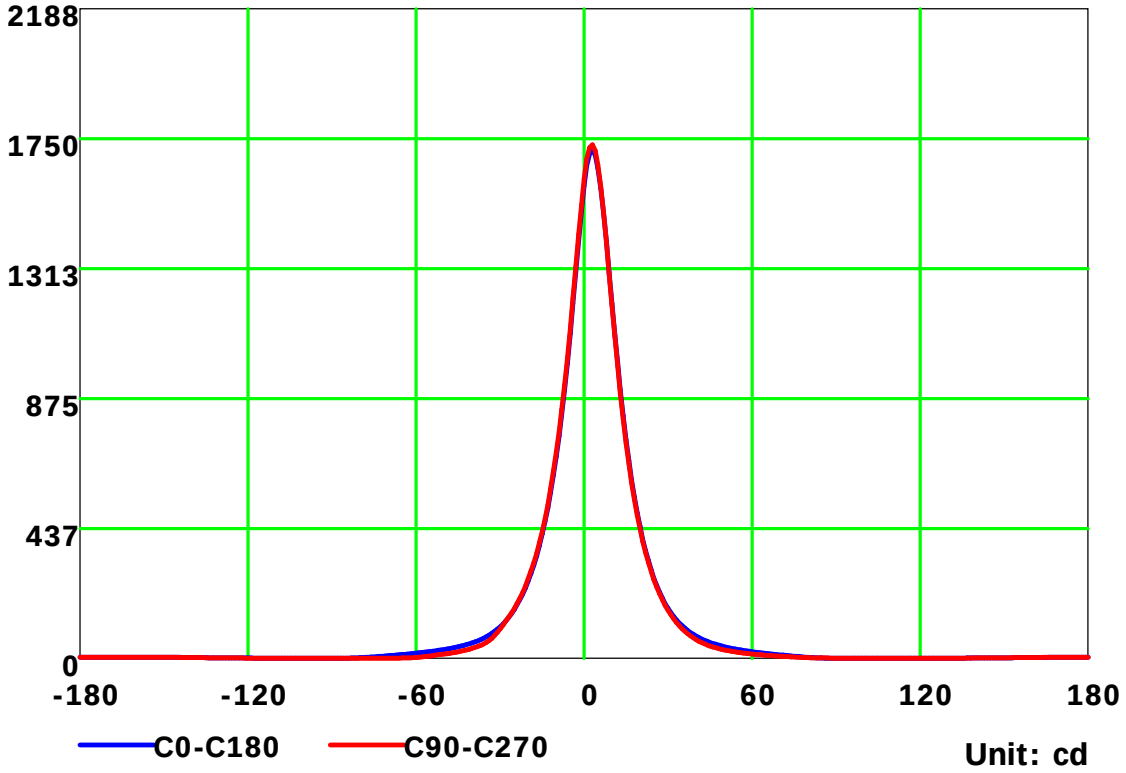
Luminous Intensity Distribution Curve



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

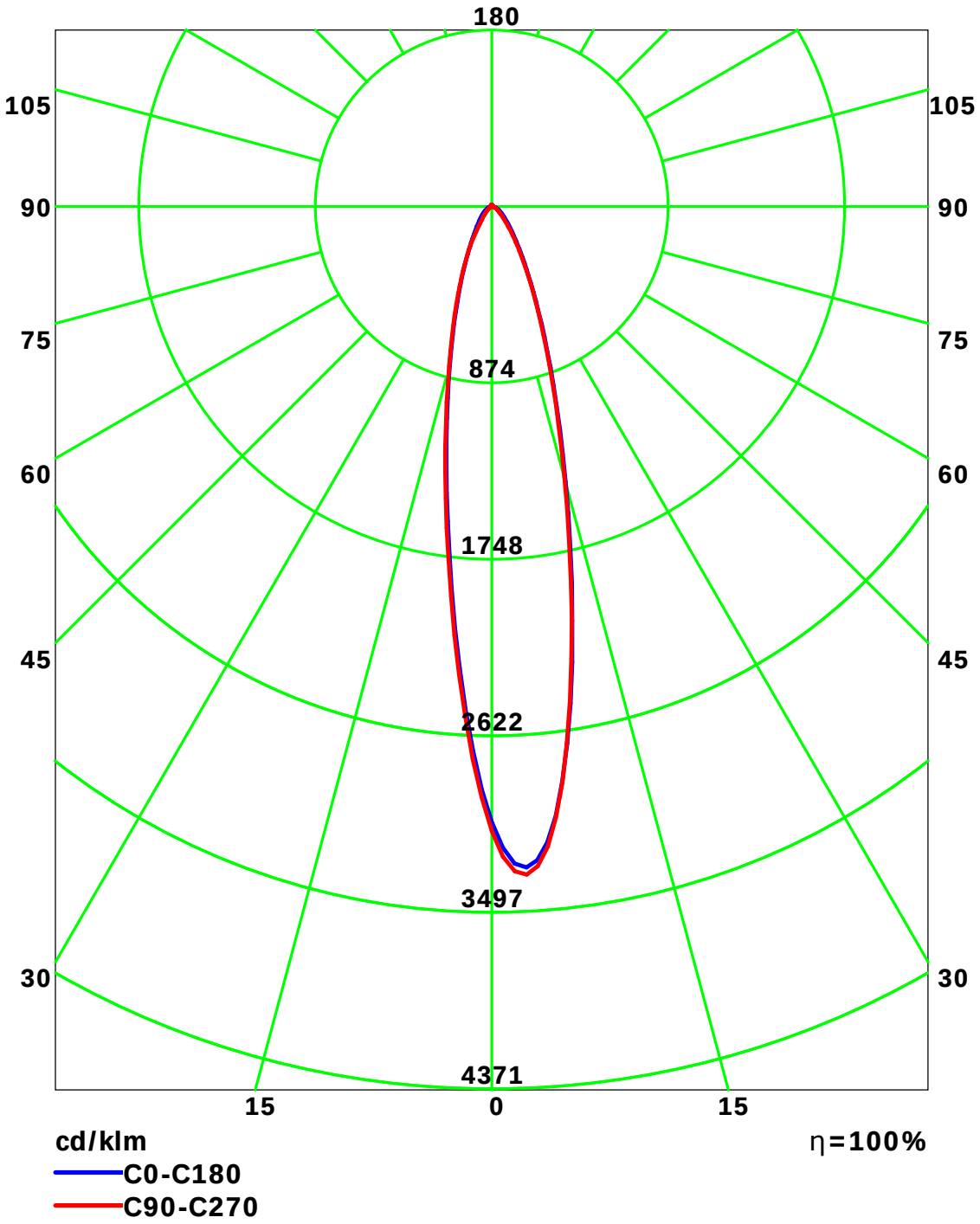




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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:
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Temperature: 25
Operator: Jacky

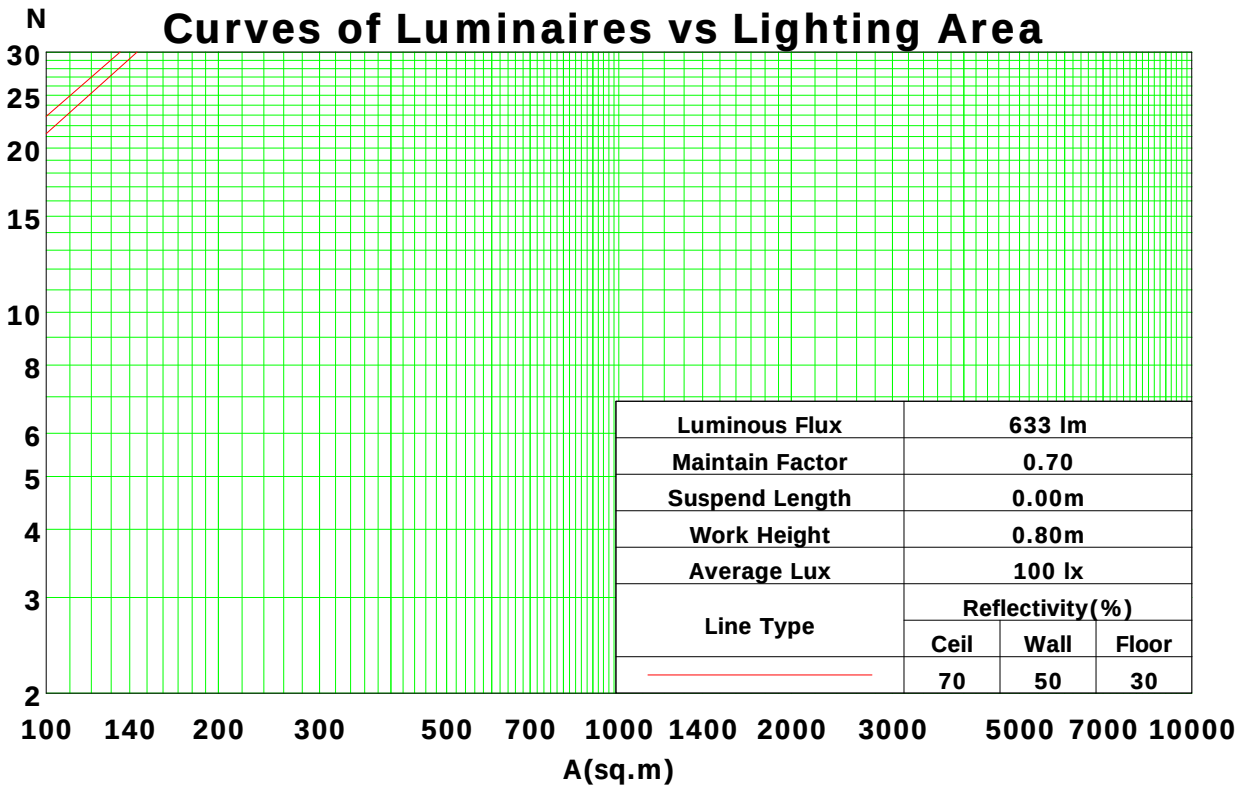
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	113	110	107	105	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	107	102	98	95	105	100	97	94	97	94	91	93	91	89	90	88	86	85
3	102	96	91	87	100	94	90	86	91	87	84	88	85	83	86	83	81	79
4	97	90	85	81	95	89	84	80	86	82	79	84	80	78	82	79	76	75
5	93	85	80	75	91	84	79	75	82	77	74	80	76	73	78	75	72	71
6	89	81	75	71	87	80	74	71	78	73	70	76	72	69	75	71	69	67
7	85	77	71	67	84	76	71	67	74	70	66	73	69	66	72	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	69	64	61	68	64	60	67	63	60	66	63	60	58
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	64	60	57	56

Spacing Criteria (0-180): 0.39
Spacing Criteria (90-270): 0.39
Spacing Criteria (Diagonal): 0.44

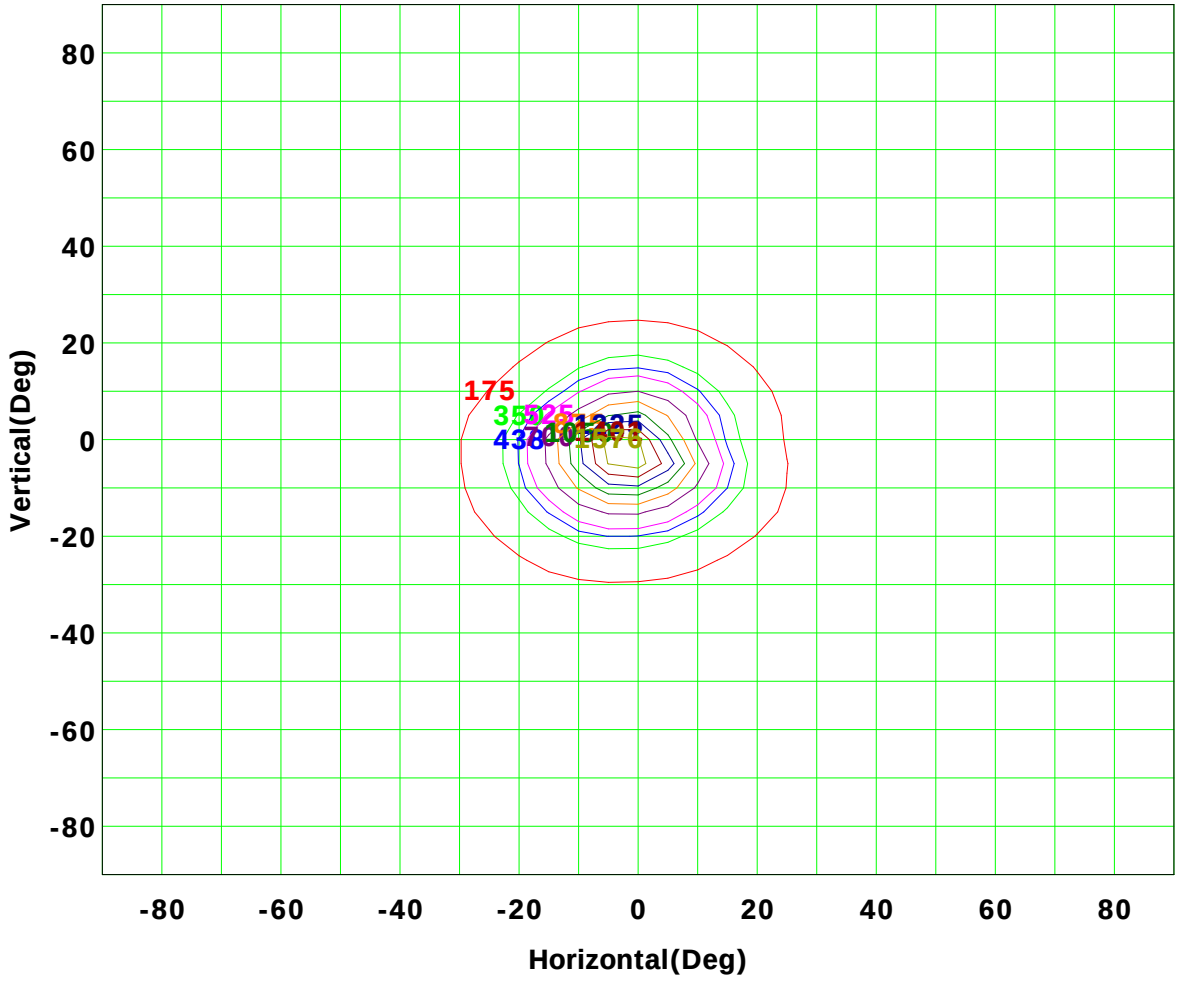
Curves of Luminaires vs Lighting Area



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)



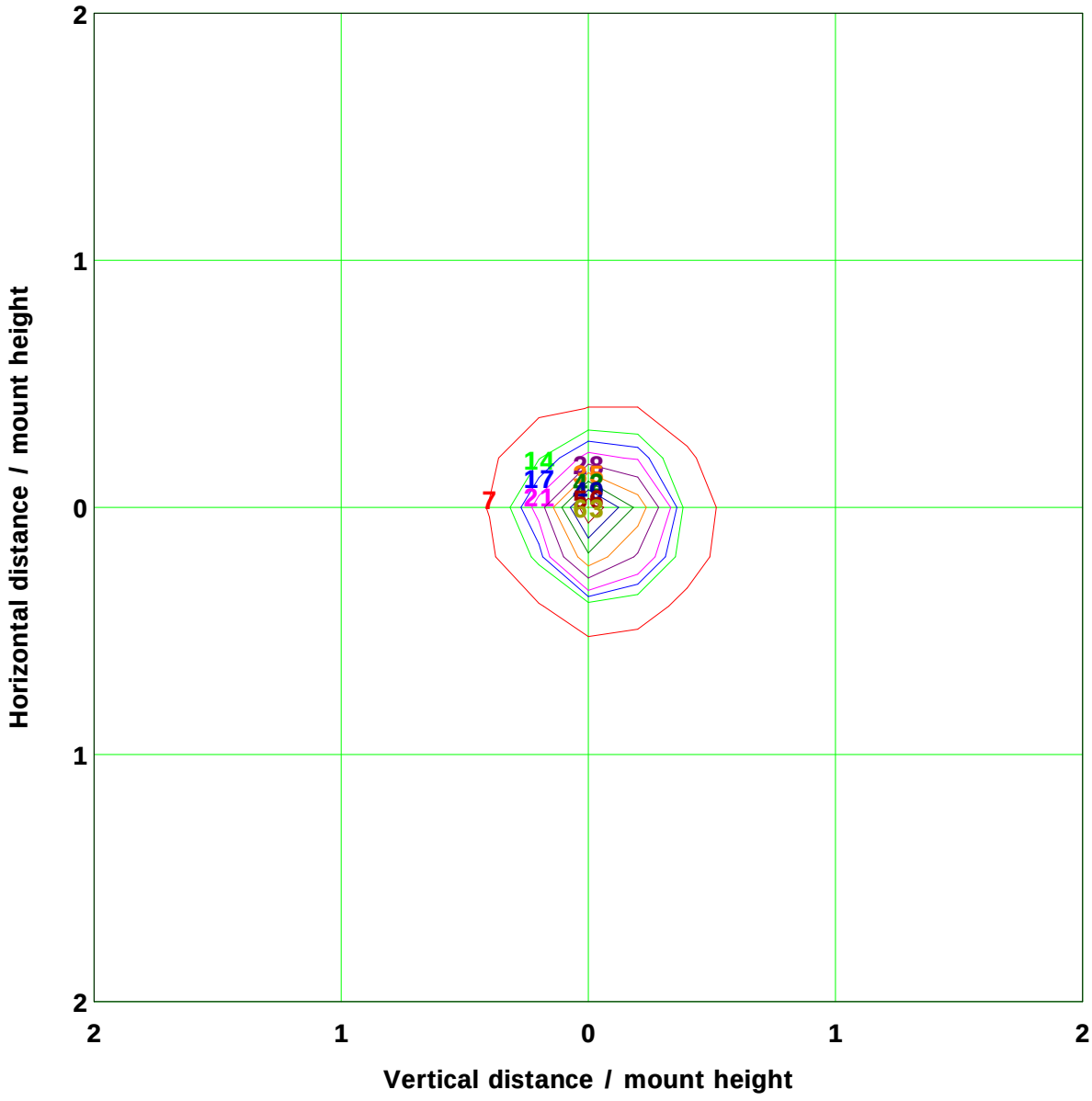
Imax (100%): 1751 cd

(10%): 175 cd	(20%): 350 cd
(25%): 438 cd	(30%): 525 cd
(40%): 700 cd	(50%): 875 cd
(60%): 1050 cd	(70%): 1225 cd
(80%): 1401 cd	(90%): 1576 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%): 69.7 lx

(10%): 7.0 lx	(20%): 13.9 lx
(25%): 17.4 lx	(30%): 20.9 lx
(40%): 27.9 lx	(50%): 34.8 lx
(60%): 41.8 lx	(70%): 48.8 lx
(80%): 55.7 lx	(90%): 62.7 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
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Gamma Plane (°):0.0-180.0:1.0
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Distance: 9.028 m
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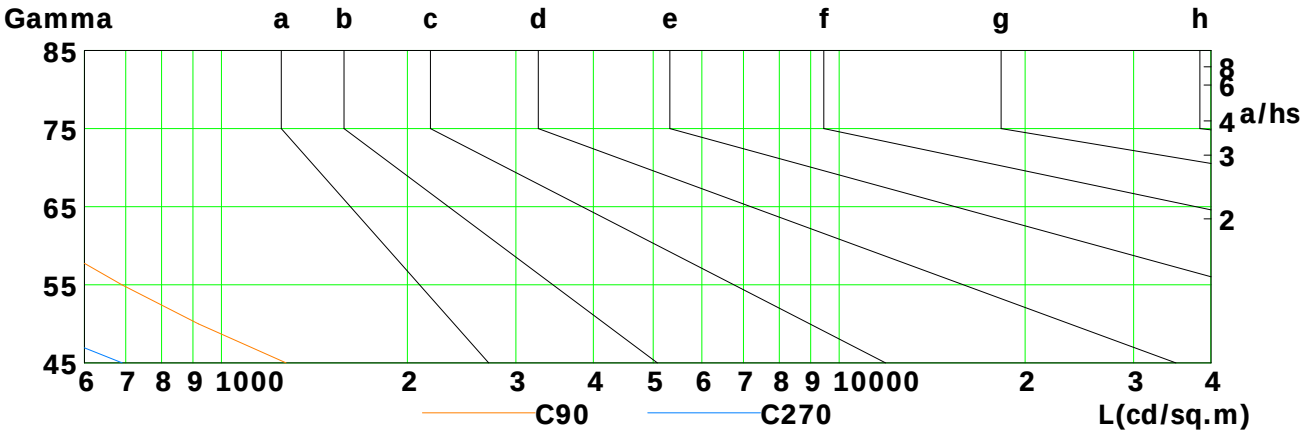
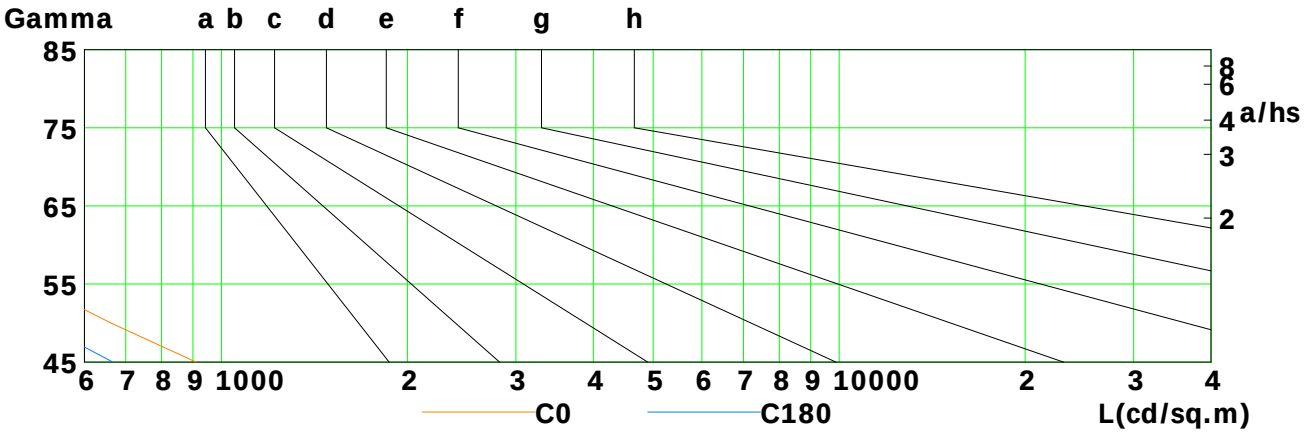
Lum Limit Curve

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



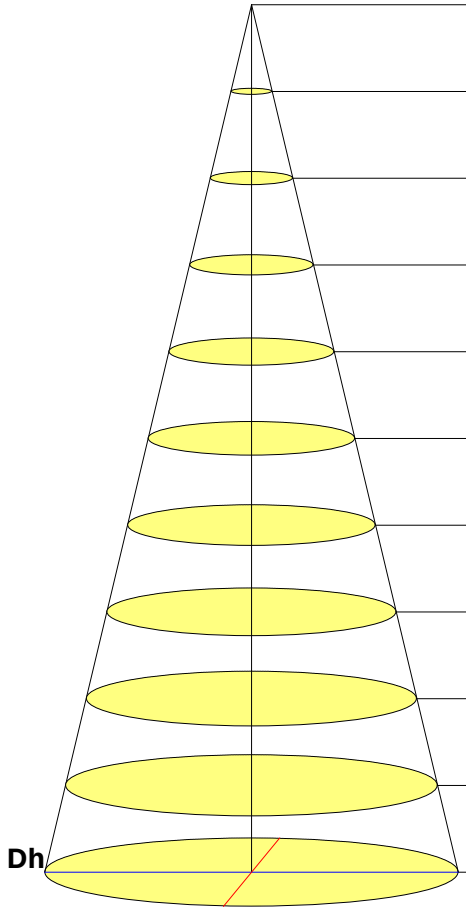


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	911	663	497	378	286	208	141	82	43
C90	1272	918	690	536	417	324	244	165	121
C180	667	509	392	303	227	163	107	60	34
C270	691	482	304	141	78	64	70	79	90

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



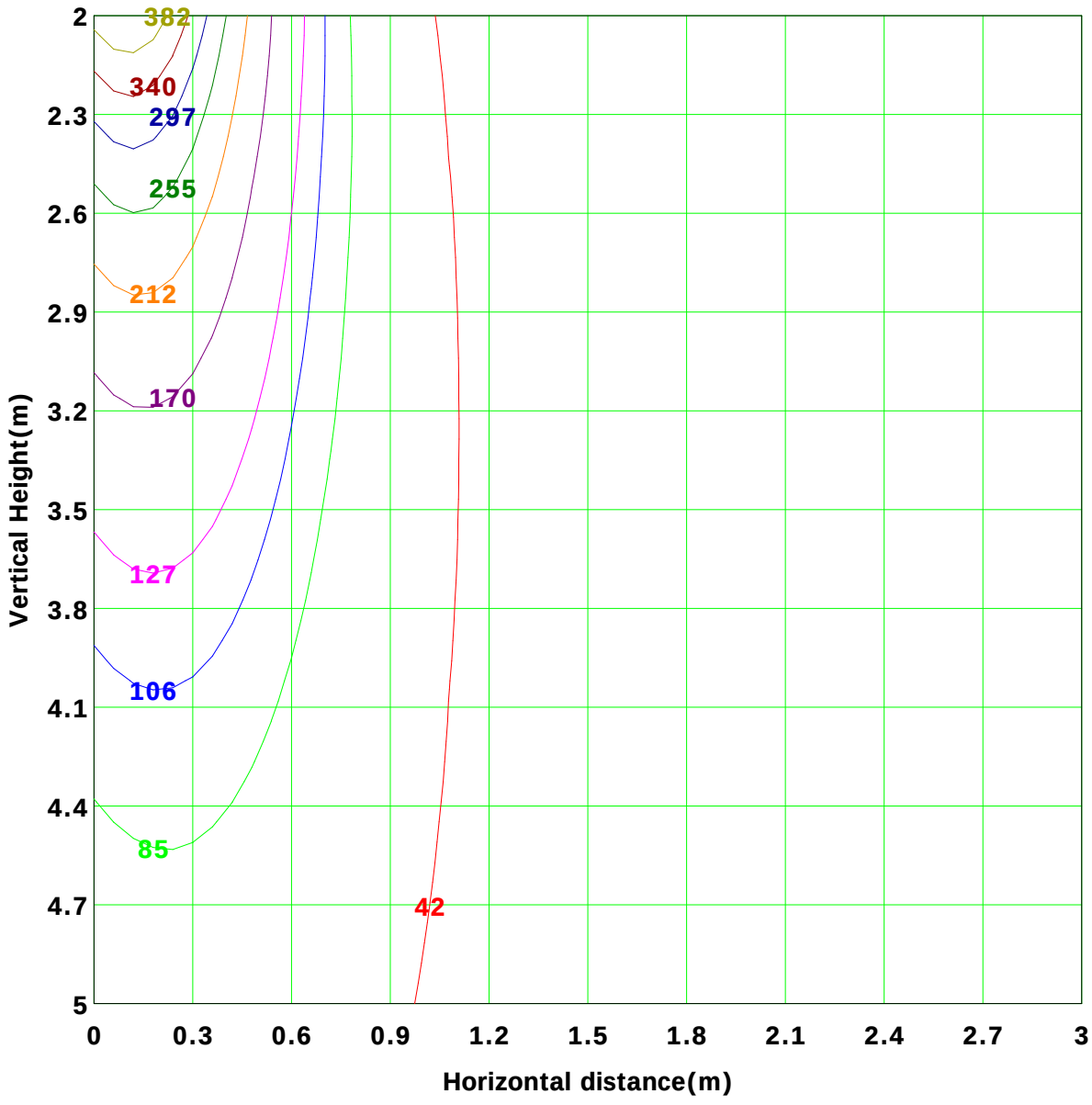
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1593.18	0.39/0.38	0.1	1061.48
2.0	398.30	0.77/0.77	0.5	265.37
3.0	177.02	1.16/1.15	1.1	117.94
4.0	99.57	1.55/1.54	1.9	66.34
5.0	63.73	1.94/1.92	3.0	42.46
6.0	44.26	2.32/2.30	4.4	29.49
7.0	32.51	2.71/2.69	6.0	21.66
8.0	24.89	3.10/3.07	7.8	16.59
9.0	19.67	3.49/3.46	9.9	13.10
10.0	15.93	3.87/3.84	12.2	10.61

Beam Angle(B): H21.9 V21.7 Field Angle(F): H55.3 V54.9

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: 424.6 lx

(10%): 42.5 lx
(20%): 84.9 lx
(25%): 106.2 lx
(30%): 127.4 lx
(40%): 169.8 lx
(50%): 212.3 lx
(60%): 254.8 lx
(70%): 297.2 lx
(80%): 339.7 lx
(90%): 382.1 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

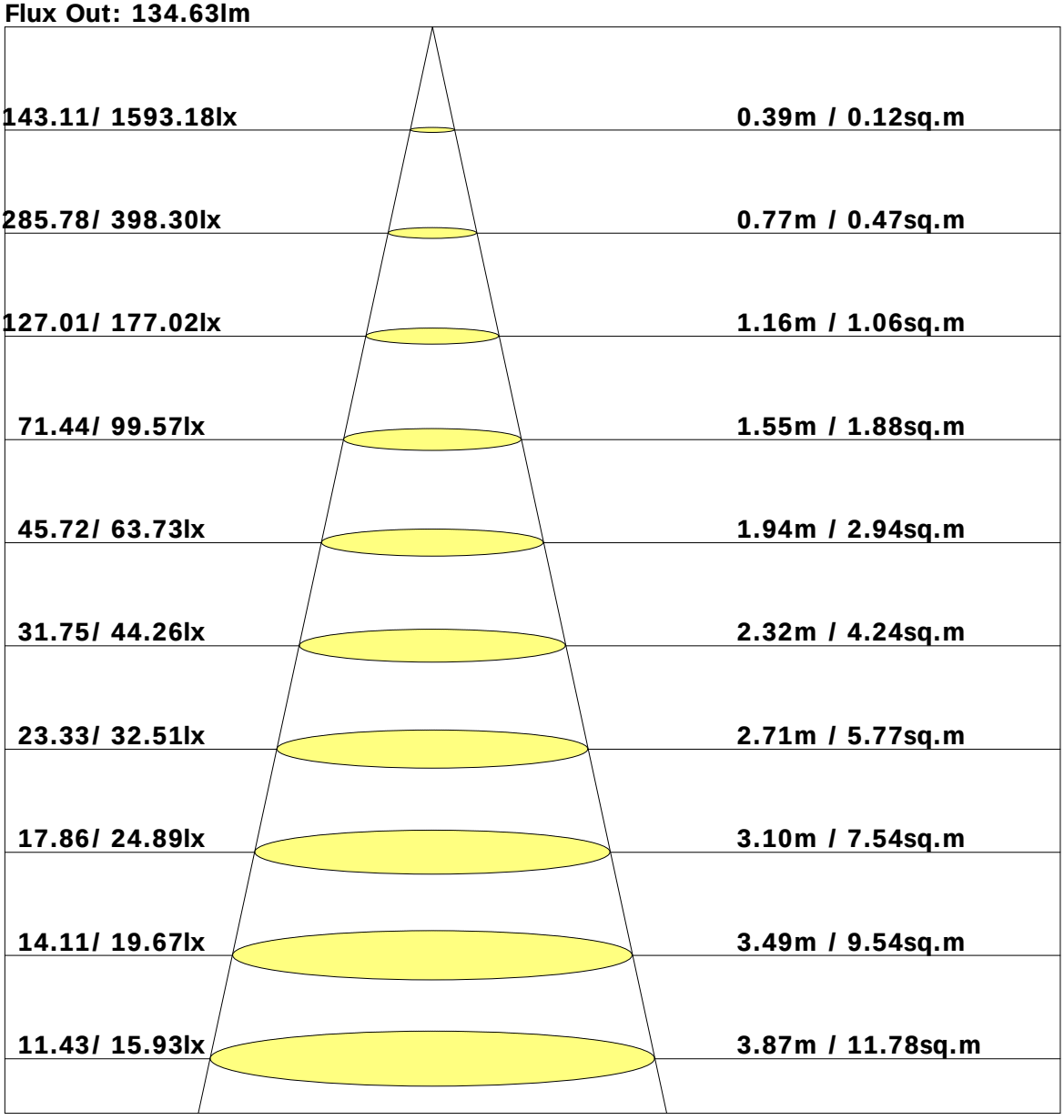
Vertical plane / Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.8	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	3.9	0.0
50	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	0.9	0.9	0.7	0.6	0.4	0.2	0.1	0.1	0.0	0.0	7.4	0.0
40	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	1.0	1.8	2.0	1.4	1.0	0.6	0.4	0.2	0.1	0.1	0.0	13.6	0.0
30	0.0	0.0	0.0	0.1	0.2	0.4	0.6	1.0	1.5	4.3	5.0	2.7	1.5	0.8	0.5	0.3	0.1	0.1	0.0	27.1	7.2
20	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.4	2.7	10.0	14.3	4.9	2.3	1.1	0.6	0.3	0.2	0.1	0.0	58.3	44.8
10	0.0	0.0	0.1	0.2	0.4	0.9	1.8	4.3	19.2	36.9	26.1	7.5	3.0	1.3	0.7	0.4	0.2	0.1	0.0	115.2	103.3
0	0.0	0.1	0.2	0.4	0.9	2.0	5.0	14.3	36.9	44.1	31.5	12.6	8.3	3.2	1.4	0.7	0.4	0.2	0.1	132.6	120.8
-10	0.0	0.1	0.2	0.4	0.9	1.8	4.5	11.5	26.1	31.5	16.4	7.8	3.6	1.8	1.0	0.5	0.3	0.2	0.1	77.0	64.2
-20	0.0	0.0	0.2	0.4	0.8	1.6	3.3	7.0	12.0	12.6	7.8	3.8	2.2	1.2	0.7	0.4	0.2	0.1	0.0	35.5	19.1
-30	0.0	0.0	0.1	0.3	0.6	1.2	2.0	3.5	4.9	5.0	3.6	2.2	1.2	0.7	0.4	0.2	0.1	0.1	0.0	17.1	0.0
-40	0.0	0.0	0.1	0.2	0.5	0.7	1.0	1.5	1.8	1.8	1.5	1.1	0.8	0.5	0.3	0.2	0.1	0.0	0.0	8.8	0.0
-50	0.0	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	4.5	0.0
-60	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.1	0.0
-70	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.7	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1	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)	0.6	0.8	1.0	2.7	5.8	11.9	26.1	53.0	104.6	138.0	82.6	39.3	19.1	9.9	5.6	3.2	1.6	0.8	506		359
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		359	

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: 134.63lm



Height Avg./Nadir. E Beam Angle:21.9° 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	8.3	9.3	8.7	9.7	10.1	5.4	6.5	5.9	6.8	7.2
3H	9.4	10.3	9.8	10.7	11.1	6.2	7.1	6.7	7.5	8.0
4H	9.7	10.6	10.2	11.0	11.4	6.4	7.3	6.9	7.7	8.2
6H	9.9	10.7	10.4	11.1	11.6	6.5	7.3	7.0	7.7	8.2
8H	9.9	10.7	10.4	11.1	11.6	6.5	7.3	7.0	7.7	8.2
12H	9.9	10.6	10.4	11.1	11.6	6.5	7.2	7.0	7.7	8.2
X=4H Y=2H	8.2	9.1	8.7	9.5	9.9	5.9	6.7	6.3	7.1	7.6
3H	9.4	10.1	9.9	10.6	11.0	6.8	7.5	7.3	7.9	8.4
4H	9.8	10.4	10.3	10.9	11.4	7.1	7.7	7.5	8.2	8.7
6H	10.0	10.6	10.6	11.1	11.6	7.2	7.7	7.7	8.2	8.8
8H	10.1	10.6	10.6	11.1	11.6	7.2	7.7	7.8	8.2	8.8
12H	10.1	10.5	10.7	11.1	11.6	7.2	7.7	7.8	8.2	8.8
X=8H Y=4H	9.7	10.2	10.2	10.7	11.2	7.2	7.7	7.7	8.2	8.7
6H	10.0	10.4	10.5	10.9	11.5	7.4	7.8	7.9	8.3	8.9
8H	10.0	10.4	10.6	11.0	11.5	7.4	7.8	8.0	8.4	8.9
12H	10.1	10.4	10.7	11.0	11.6	7.5	7.8	8.1	8.3	9.0
X=12H Y=4H	9.6	10.1	10.2	10.6	11.2	7.2	7.6	7.7	8.1	8.7
6H	9.9	10.3	10.5	10.8	11.4	7.4	7.7	8.0	8.3	8.9
8H	10.0	10.3	10.6	10.9	11.5	7.5	7.8	8.0	8.3	9.0

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	0.94	0.97	1.01	1.04	1.06	1.09	1.11
	0.30		0.77	0.84	0.89	0.93	0.98	1.01	1.03	1.06	1.09
	0.20		0.73	0.80	0.85	0.89	0.94	0.98	1.01	1.04	1.07
0.50	0.50	0.20	0.80	0.87	0.91	0.94	0.98	1.01	1.02	1.05	1.06
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	1.03	1.04
	0.20		0.73	0.79	0.84	0.87	0.92	0.95	0.98	1.01	1.03
0.30	0.50	0.20	0.79	0.85	0.89	0.91	0.95	0.97	0.99	1.01	1.02
	0.30		0.75	0.81	0.85	0.88	0.92	0.95	0.97	0.99	1.00
	0.20		0.72	0.78	0.83	0.86	0.90	0.93	0.95	0.98	0.99
0.00	0.00	0.00	0.70	0.76	0.80	0.83	0.87	0.89	0.90	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 = 0.50								
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	0.64	0.52	0.44	0.38	0.30	0.25	0.21	0.16	0.13
	0.30		0.53	0.44	0.38	0.33	0.27	0.23	0.19	0.15	0.13
	0.20		0.46	0.39	0.34	0.30	0.25	0.21	0.18	0.14	0.12
0.50	0.50	0.20	0.60	0.49	0.41	0.35	0.28	0.27	0.19	0.15	0.12
	0.30		0.51	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	0.13	0.11
0.30	0.50	0.20	0.57	0.46	0.38	0.33	0.25	0.21	0.18	0.14	0.11
	0.30		0.49	0.40	0.34	0.30	0.23	0.20	0.17	0.13	0.11
	0.20		0.43	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10
0.00	0.00	0.00	0.29	0.23	0.19	0.17	0.13	0.11	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 = 0.50								
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	0.16	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.20	0.20	0.22	0.23
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	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	0.22	0.22
	0.30		0.11	0.13	0.15	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	1614.4	1.5	1.5	0.30	0.30
1.0-2.0	1594.0	4.6	6.1	0.88	1.17
2.0-3.0	1553.6	7.4	13.6	1.42	2.60
3.0-4.0	1496.3	10.0	23.6	1.92	4.51
4.0-5.0	1425.2	12.3	35.8	2.35	6.86
5.0-6.0	1343.2	14.1	49.9	2.70	9.57
6.0-7.0	1254.6	15.6	65.5	2.98	12.55
7.0-8.0	1162.9	16.6	82.2	3.19	15.74
8.0-9.0	1070.9	17.4	99.5	3.32	19.06
9.0-10.0	981.6	17.8	117.3	3.40	22.46
10.0-11.0	896.5	17.9	135.2	3.43	25.89
11.0-12.0	815.3	17.8	153.0	3.41	29.31
12.0-13.0	739.6	17.6	170.6	3.36	32.67
13.0-14.0	670.9	17.2	187.8	3.29	35.96
14.0-15.0	607.7	16.7	204.4	3.20	39.15
15.0-16.0	550.1	16.1	220.6	3.09	42.24
16.0-17.0	498.9	15.5	236.1	2.98	45.22
17.0-18.0	452.2	14.9	251.0	2.86	48.07
18.0-19.0	409.5	14.2	265.3	2.73	50.80
19.0-20.0	371.3	13.6	278.9	2.60	53.40
20.0-21.0	336.8	12.9	291.8	2.48	55.88
21.0-22.0	305.4	12.3	304.1	2.35	58.23
22.0-23.0	277.4	11.6	315.7	2.23	60.46
23.0-24.0	251.9	11.0	326.7	2.11	62.57
24.0-25.0	228.7	10.4	337.1	1.99	64.56
25.0-26.0	208.1	9.8	347.0	1.88	66.44
26.0-27.0	189.4	9.3	356.2	1.77	68.22
27.0-28.0	172.4	8.7	365.0	1.67	69.89
28.0-29.0	157.2	8.2	373.2	1.57	71.46
29.0-30.0	143.5	7.7	380.9	1.48	72.95
30.0-31.0	130.9	7.3	388.2	1.40	74.34
31.0-32.0	119.6	6.9	395.1	1.31	75.66
32.0-33.0	109.4	6.4	401.5	1.23	76.89
33.0-34.0	100.1	6.1	407.6	1.16	78.05
34.0-35.0	91.6	5.7	413.3	1.09	79.14
35.0-36.0	84.1	5.4	418.6	1.03	80.17

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	77.4	5.0	423.7	0.97	81.13
37.0-38.0	71.2	4.8	428.4	0.91	82.04
38.0-39.0	65.7	4.5	432.9	0.86	82.90
39.0-40.0	60.8	4.2	437.1	0.81	83.72
40.0-41.0	56.4	4.0	441.2	0.77	84.48
41.0-42.0	52.4	3.8	445.0	0.73	85.21
42.0-43.0	48.7	3.6	448.6	0.69	85.91
43.0-44.0	45.4	3.4	452.0	0.66	86.56
44.0-45.0	42.3	3.3	455.3	0.62	87.18
45.0-46.0	39.5	3.1	458.3	0.59	87.78
46.0-47.0	36.9	2.9	461.3	0.56	88.34
47.0-48.0	34.5	2.8	464.1	0.53	88.87
48.0-49.0	32.3	2.7	466.7	0.51	89.38
49.0-50.0	30.3	2.5	469.3	0.48	89.86
50.0-51.0	28.4	2.4	471.7	0.46	90.32
51.0-52.0	26.6	2.3	473.9	0.44	90.76
52.0-53.0	24.9	2.2	476.1	0.42	91.18
53.0-54.0	23.3	2.1	478.2	0.39	91.57
54.0-55.0	21.9	2.0	480.1	0.37	91.94
55.0-56.0	20.5	1.9	482.0	0.35	92.30
56.0-57.0	19.1	1.8	483.7	0.34	92.63
57.0-58.0	17.9	1.7	485.4	0.32	92.95
58.0-59.0	16.8	1.6	486.9	0.30	93.25
59.0-60.0	15.7	1.5	488.4	0.28	93.53
60.0-61.0	14.6	1.4	489.8	0.27	93.80
61.0-62.0	13.6	1.3	491.1	0.25	94.05
62.0-63.0	12.6	1.2	492.4	0.24	94.29
63.0-64.0	11.8	1.2	493.5	0.22	94.51
64.0-65.0	11.0	1.1	494.6	0.21	94.72
65.0-66.0	10.2	1.0	495.6	0.20	94.91
66.0-67.0	9.5	1.0	496.6	0.18	95.10
67.0-68.0	8.9	0.9	497.5	0.17	95.27
68.0-69.0	8.3	0.8	498.3	0.16	95.43
69.0-70.0	7.7	0.8	499.1	0.15	95.58
70.0-71.0	7.1	0.7	499.8	0.14	95.72
71.0-72.0	6.6	0.7	500.5	0.13	95.85

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	6.0	0.6	501.1	0.12	95.97
73.0-74.0	5.5	0.6	501.7	0.11	96.08
74.0-75.0	5.1	0.5	502.3	0.10	96.19
75.0-76.0	4.6	0.5	502.8	0.09	96.28
76.0-77.0	4.2	0.4	503.2	0.09	96.37
77.0-78.0	3.8	0.4	503.6	0.08	96.44
78.0-79.0	3.5	0.4	504.0	0.07	96.52
79.0-80.0	3.2	0.3	504.3	0.07	96.58
80.0-81.0	2.9	0.3	504.6	0.06	96.64
81.0-82.0	2.7	0.3	504.9	0.06	96.70
82.0-83.0	2.4	0.3	505.2	0.05	96.75
83.0-84.0	2.2	0.2	505.4	0.05	96.80
84.0-85.0	2.1	0.2	505.7	0.04	96.84
85.0-86.0	2.0	0.2	505.9	0.04	96.88
86.0-87.0	1.9	0.2	506.1	0.04	96.92
87.0-88.0	1.9	0.2	506.3	0.04	96.96
88.0-89.0	1.8	0.2	506.5	0.04	97.00
89.0-90.0	1.8	0.2	506.7	0.04	97.04
90.0-91.0	1.8	0.2	506.9	0.04	97.07
91.0-92.0	1.8	0.2	507.1	0.04	97.11
92.0-93.0	1.8	0.2	507.3	0.04	97.15
93.0-94.0	1.8	0.2	507.5	0.04	97.19
94.0-95.0	1.8	0.2	507.7	0.04	97.23
95.0-96.0	1.8	0.2	507.9	0.04	97.26
96.0-97.0	1.8	0.2	508.1	0.04	97.30
97.0-98.0	1.8	0.2	508.3	0.04	97.34
98.0-99.0	1.8	0.2	508.5	0.04	97.37
99.0-100.0	1.8	0.2	508.7	0.04	97.41
100.0-101.0	1.8	0.2	508.9	0.04	97.45
101.0-102.0	1.7	0.2	509.0	0.04	97.48
102.0-103.0	1.7	0.2	509.2	0.04	97.52
103.0-104.0	1.7	0.2	509.4	0.04	97.55
104.0-105.0	1.7	0.2	509.6	0.04	97.59
105.0-106.0	1.7	0.2	509.8	0.04	97.62
106.0-107.0	1.7	0.2	510.0	0.04	97.66
107.0-108.0	1.8	0.2	510.1	0.04	97.70

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 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	510.3	0.04	97.73
109.0-110.0	1.8	0.2	510.5	0.04	97.77
110.0-111.0	1.8	0.2	510.7	0.03	97.80
111.0-112.0	1.8	0.2	510.9	0.04	97.84
112.0-113.0	1.8	0.2	511.1	0.04	97.87
113.0-114.0	1.8	0.2	511.2	0.04	97.91
114.0-115.0	1.8	0.2	511.4	0.04	97.94
115.0-116.0	1.9	0.2	511.6	0.04	97.98
116.0-117.0	1.9	0.2	511.8	0.04	98.01
117.0-118.0	1.9	0.2	512.0	0.04	98.05
118.0-119.0	1.9	0.2	512.2	0.04	98.08
119.0-120.0	1.9	0.2	512.3	0.04	98.12
120.0-121.0	2.0	0.2	512.5	0.04	98.15
121.0-122.0	2.0	0.2	512.7	0.04	98.19
122.0-123.0	2.0	0.2	512.9	0.04	98.22
123.0-124.0	2.0	0.2	513.1	0.04	98.26
124.0-125.0	2.1	0.2	513.3	0.04	98.30
125.0-126.0	2.1	0.2	513.5	0.04	98.33
126.0-127.0	2.2	0.2	513.7	0.04	98.37
127.0-128.0	2.2	0.2	513.9	0.04	98.40
128.0-129.0	2.2	0.2	514.0	0.04	98.44
129.0-130.0	2.3	0.2	514.2	0.04	98.48
130.0-131.0	2.3	0.2	514.4	0.04	98.52
131.0-132.0	2.4	0.2	514.6	0.04	98.55
132.0-133.0	2.5	0.2	514.8	0.04	98.59
133.0-134.0	2.5	0.2	515.0	0.04	98.63
134.0-135.0	2.6	0.2	515.2	0.04	98.67
135.0-136.0	2.7	0.2	515.4	0.04	98.71
136.0-137.0	2.7	0.2	515.6	0.04	98.75
137.0-138.0	2.8	0.2	515.9	0.04	98.79
138.0-139.0	2.9	0.2	516.1	0.04	98.83
139.0-140.0	3.0	0.2	516.3	0.04	98.87
140.0-141.0	3.1	0.2	516.5	0.04	98.91
141.0-142.0	3.1	0.2	516.7	0.04	98.95
142.0-143.0	3.2	0.2	516.9	0.04	98.99
143.0-144.0	3.3	0.2	517.1	0.04	99.03

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	517.4	0.04	99.08
145.0-146.0	3.5	0.2	517.6	0.04	99.12
146.0-147.0	3.6	0.2	517.8	0.04	99.16
147.0-148.0	3.7	0.2	518.0	0.04	99.20
148.0-149.0	3.7	0.2	518.2	0.04	99.24
149.0-150.0	3.8	0.2	518.4	0.04	99.28
150.0-151.0	3.9	0.2	518.6	0.04	99.32
151.0-152.0	4.0	0.2	518.9	0.04	99.36
152.0-153.0	4.1	0.2	519.1	0.04	99.40
153.0-154.0	4.1	0.2	519.3	0.04	99.44
154.0-155.0	4.2	0.2	519.5	0.04	99.48
155.0-156.0	4.3	0.2	519.7	0.04	99.52
156.0-157.0	4.4	0.2	519.8	0.04	99.55
157.0-158.0	4.4	0.2	520.0	0.04	99.59
158.0-159.0	4.5	0.2	520.2	0.03	99.62
159.0-160.0	4.5	0.2	520.4	0.03	99.66
160.0-161.0	4.6	0.2	520.6	0.03	99.69
161.0-162.0	4.6	0.2	520.7	0.03	99.72
162.0-163.0	4.7	0.2	520.9	0.03	99.75
163.0-164.0	4.7	0.1	521.0	0.03	99.78
164.0-165.0	4.8	0.1	521.2	0.03	99.80
165.0-166.0	4.8	0.1	521.3	0.03	99.83
166.0-167.0	4.8	0.1	521.4	0.02	99.85
167.0-168.0	4.8	0.1	521.5	0.02	99.87
168.0-169.0	4.8	0.1	521.6	0.02	99.89
169.0-170.0	4.8	0.1	521.7	0.02	99.91
170.0-171.0	4.8	0.1	521.8	0.02	99.93
171.0-172.0	4.8	0.1	521.9	0.01	99.94
172.0-173.0	4.8	0.1	522.0	0.01	99.96
173.0-174.0	4.8	0.1	522.0	0.01	99.97
174.0-175.0	4.8	0.1	522.1	0.01	99.98
175.0-176.0	4.8	0.0	522.1	0.01	99.99
176.0-177.0	4.8	0.0	522.1	0.01	99.99
177.0-178.0	4.8	0.0	522.2	0.00	100.00
178.0-179.0	4.8	0.0	522.2	0.00	100.00
179.0-180.0	4.8	0.0	522.2	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: