GENLED Brands
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Report No.: **Test Time: 2023/2/21 11:51**

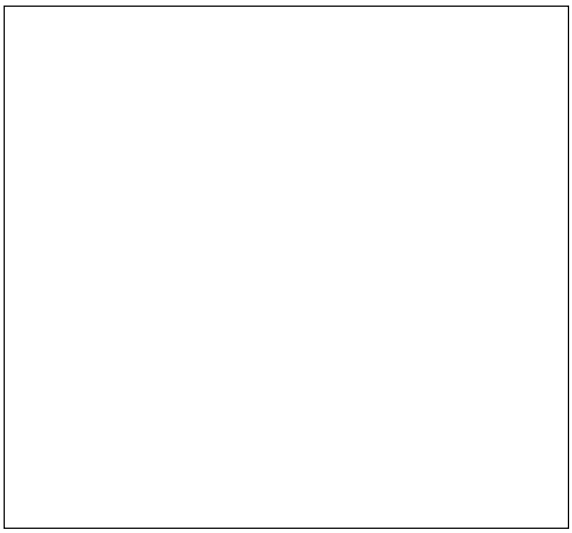
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4025-WHITE ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 219.3 V**
Current: 0.107 A **Power: 9.61 W**
Power Factor: 0.411

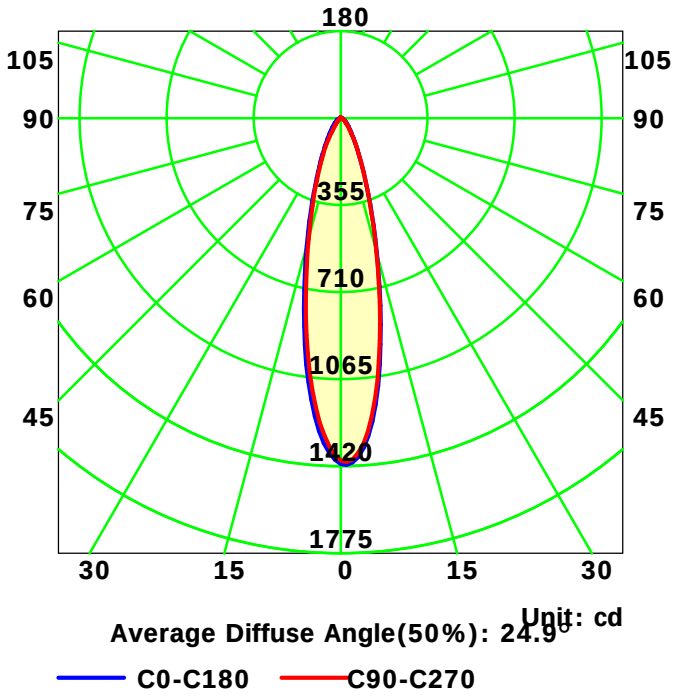
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 474.2 lm**
Measurement Flux: 474.2 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H57.1,H25.2
Vertical Diffuse Angle(10%,50%): V56,V24.7
Luminaire Efficacy Rating (LER): 49 **Central Intensity: 1410.56 cd**
Max. Intensity: 1414.48 cd **Pos of Max. Intensity: H0 V1**

Picture Of Luminaire

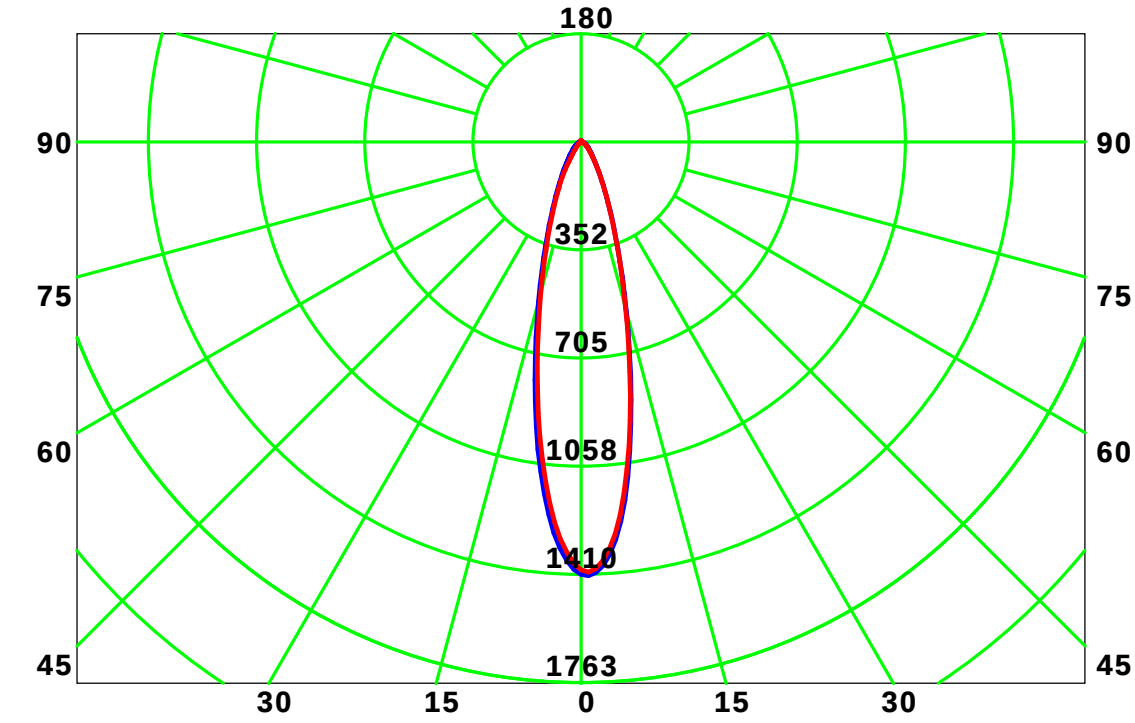


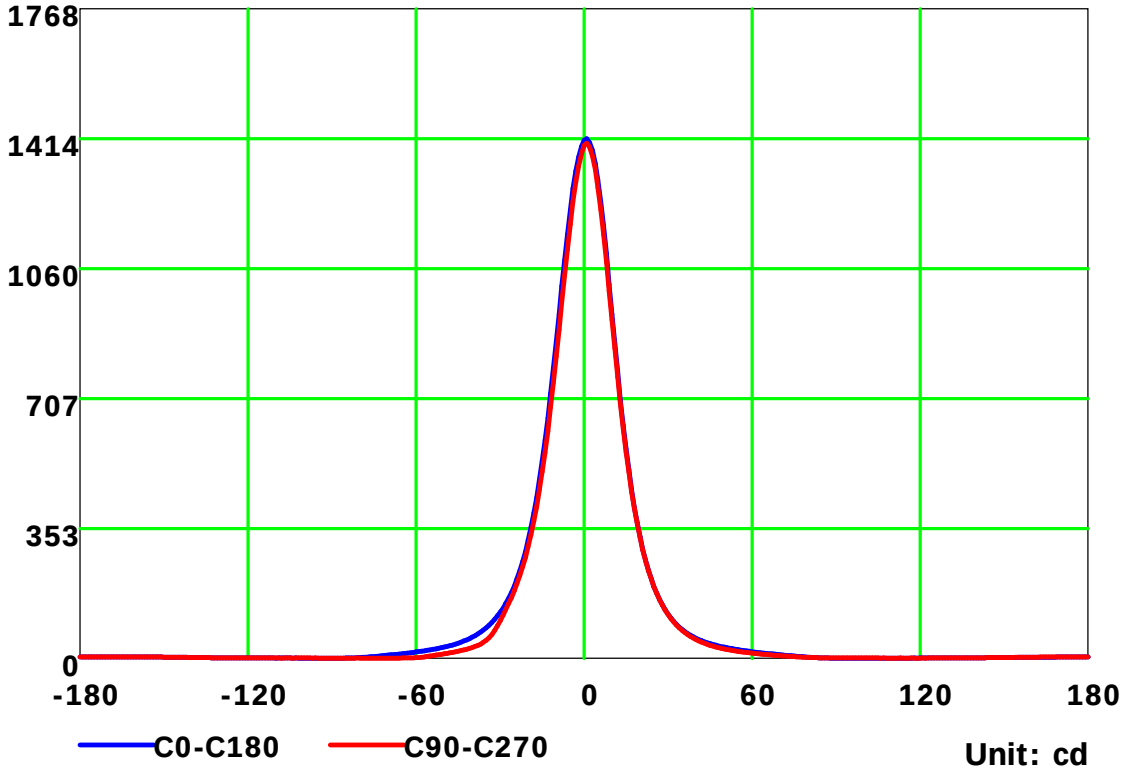
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 **Gamma Plane (°):0.0-180.0:1.0**
Test Lab: **Test Device: GPM-1800B**
Test Type: TYPE C **Distance: 9.028 m**
Temperature: 25 **Humidity: 60%**
Operator: Jacky **Inspector:**

Luminous Intensity Distribution Curve





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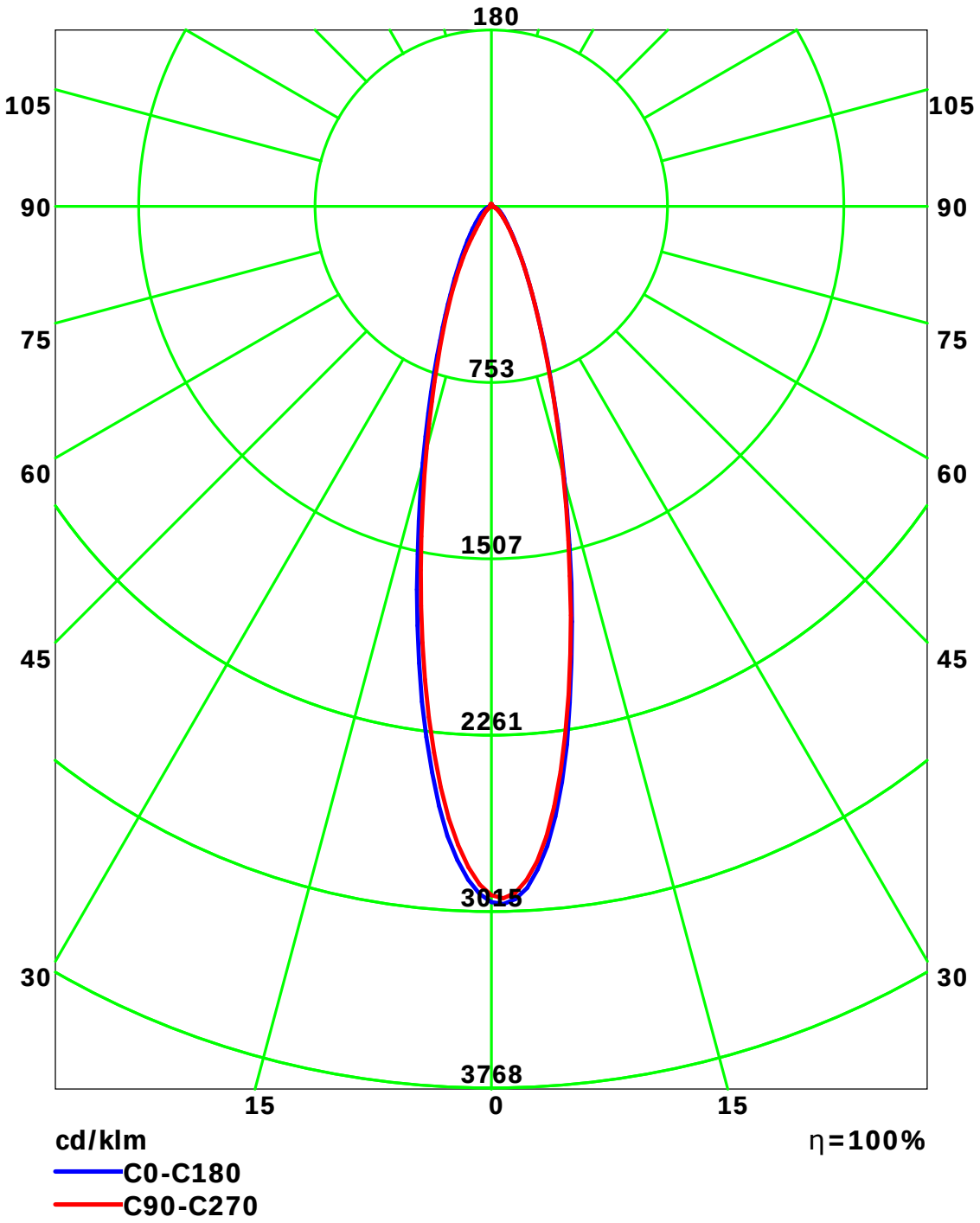
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

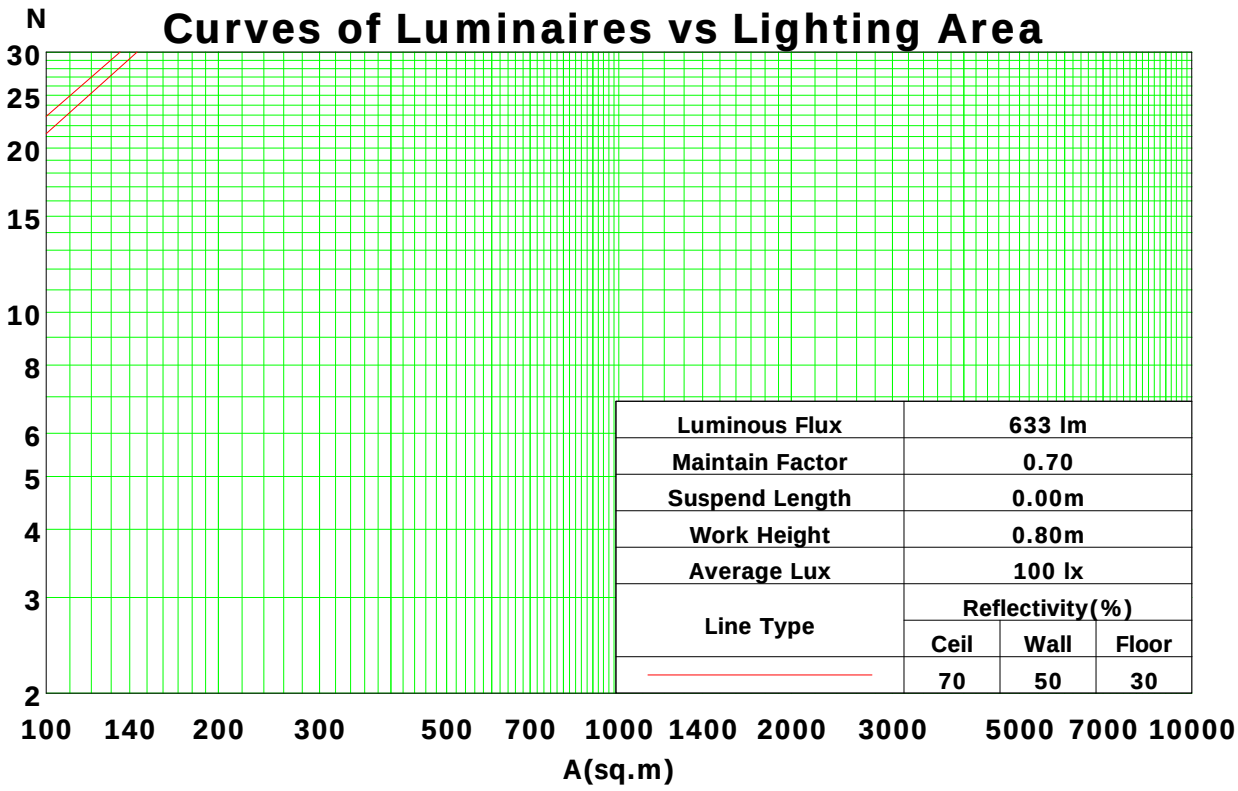
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	113	110	107	105	110	107	105	103	103	101	99	98	97	96	95	93	92	90
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	81	78	82	79	76	75
5	93	85	80	76	91	84	79	75	82	78	74	80	76	73	78	75	72	71
6	89	81	75	71	88	80	75	71	78	74	70	77	73	69	75	71	69	67
7	86	77	71	68	84	76	71	67	75	70	67	73	69	66	72	68	66	64
8	82	73	68	64	81	73	68	64	72	67	64	70	66	63	69	65	63	61
9	79	70	65	61	78	70	65	61	69	64	61	68	63	60	67	63	60	59
10	76	67	62	59	75	67	62	59	66	61	58	65	61	58	64	60	58	57

Spacing Criteria (0-180): 0.42
Spacing Criteria (90-270): 0.42
Spacing Criteria (Diagonal): 0.45

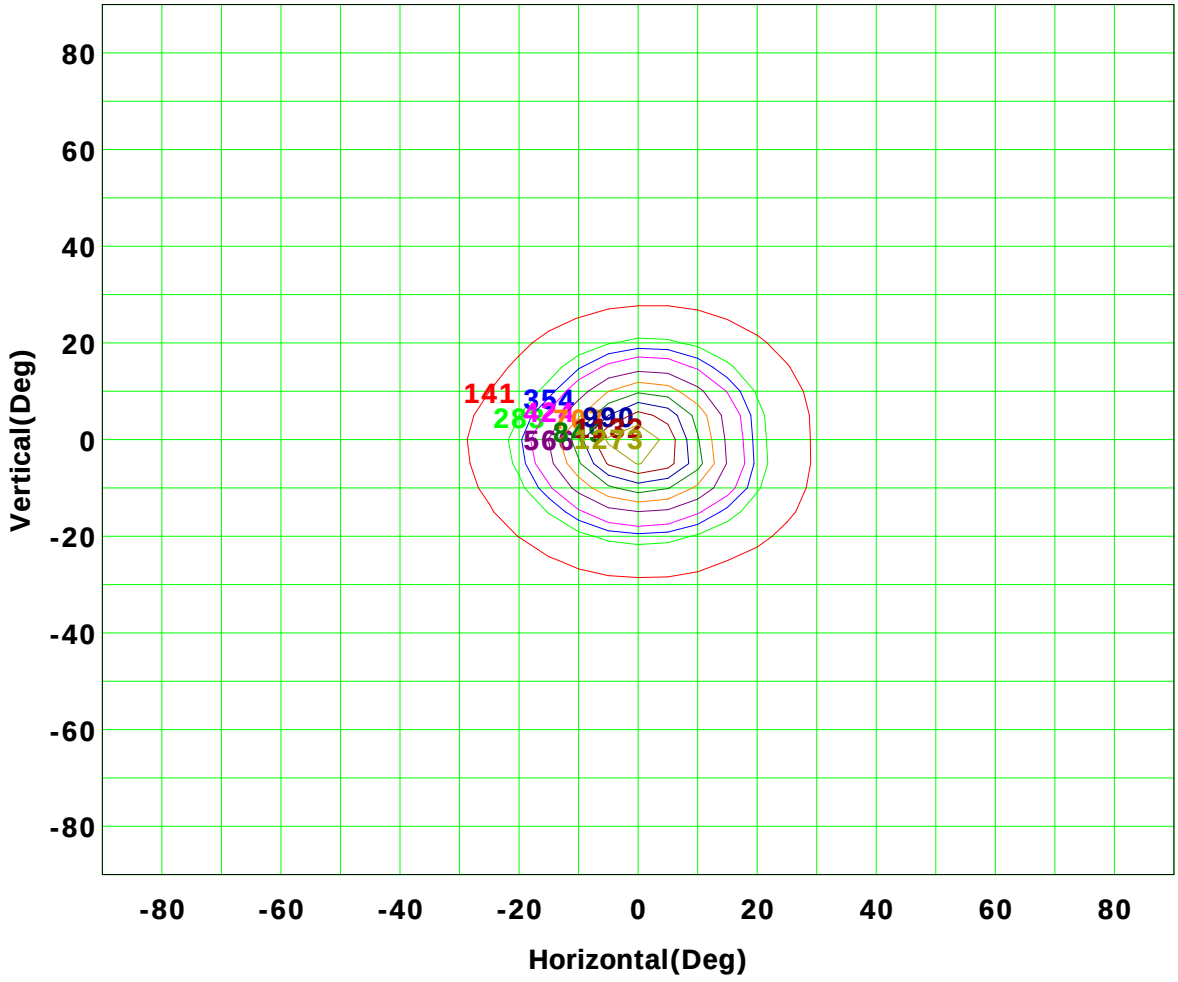
Curves of Luminaires vs Lighting Area



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)



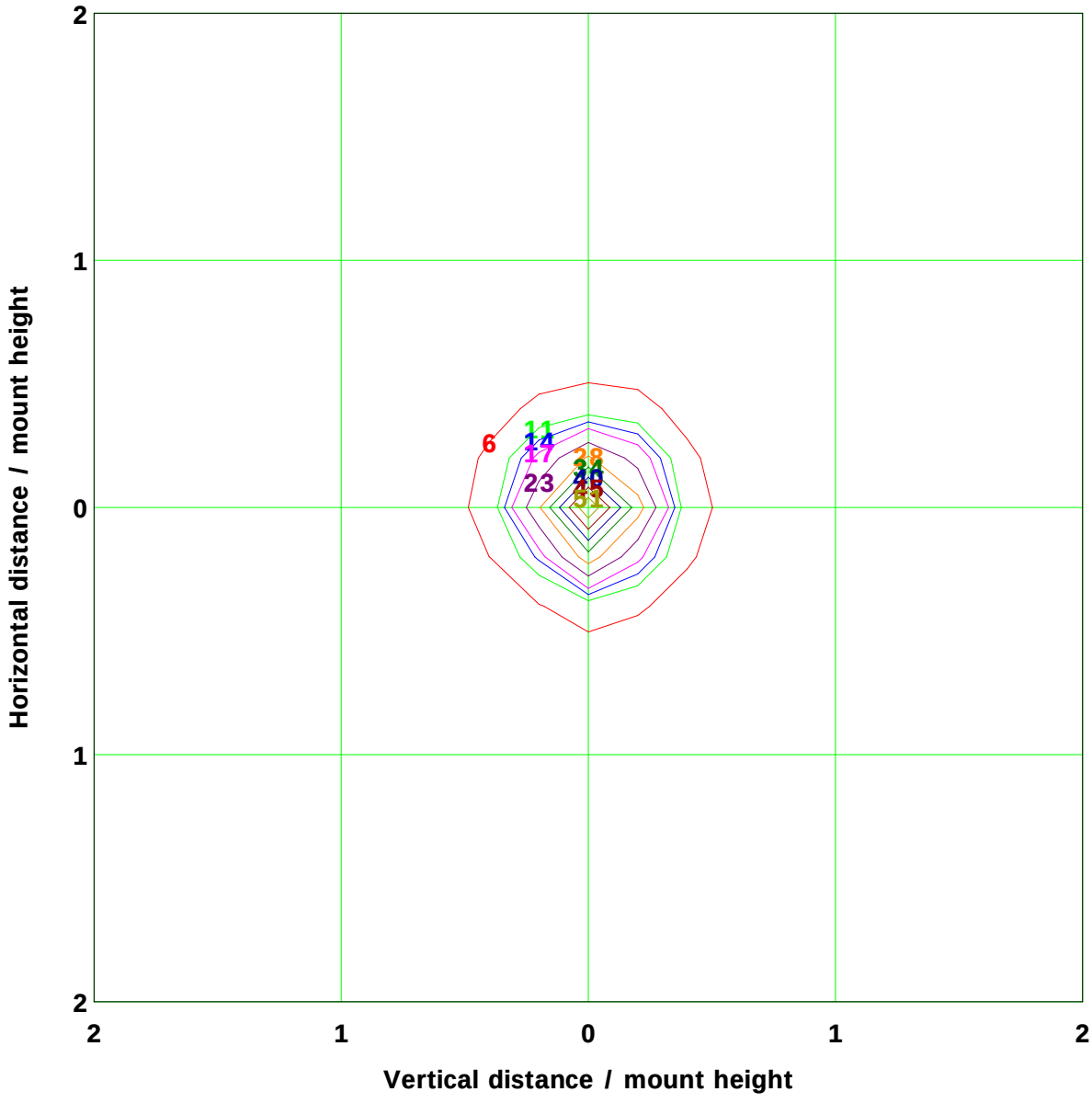
Imax (100%): 1414 cd

(10%): 141 cd	(20%): 283 cd
(25%): 354 cd	(30%): 424 cd
(40%): 566 cd	(50%): 707 cd
(60%): 849 cd	(70%): 990 cd
(80%): 1132 cd	(90%): 1273 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%): 56.6 lx

(10%): 5.7 lx	(20%): 11.3 lx
(25%): 14.1 lx	(30%): 17.0 lx
(40%): 22.6 lx	(50%): 28.3 lx
(60%): 33.9 lx	(70%): 39.6 lx
(80%): 45.2 lx	(90%): 50.9 lx

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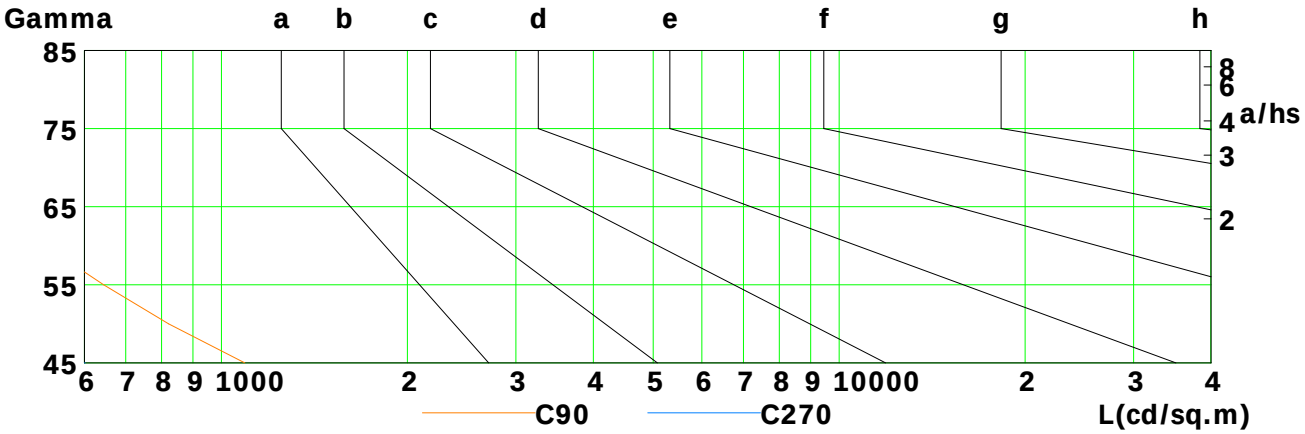
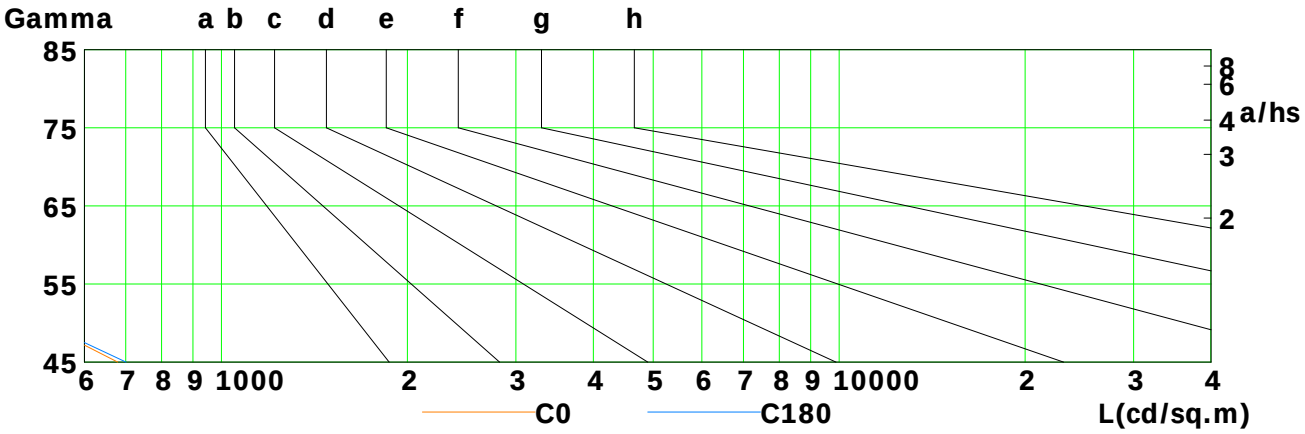
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



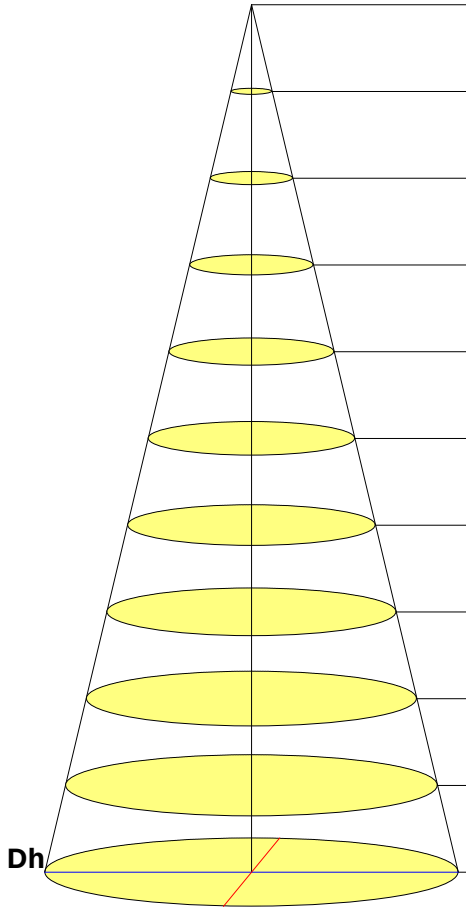


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	680	511	396	307	239	174	120	73	40
C90	1092	822	645	518	417	321	244	177	128
C180	701	513	387	295	220	158	102	57	32
C270	602	408	235	94	66	64	70	81	90

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



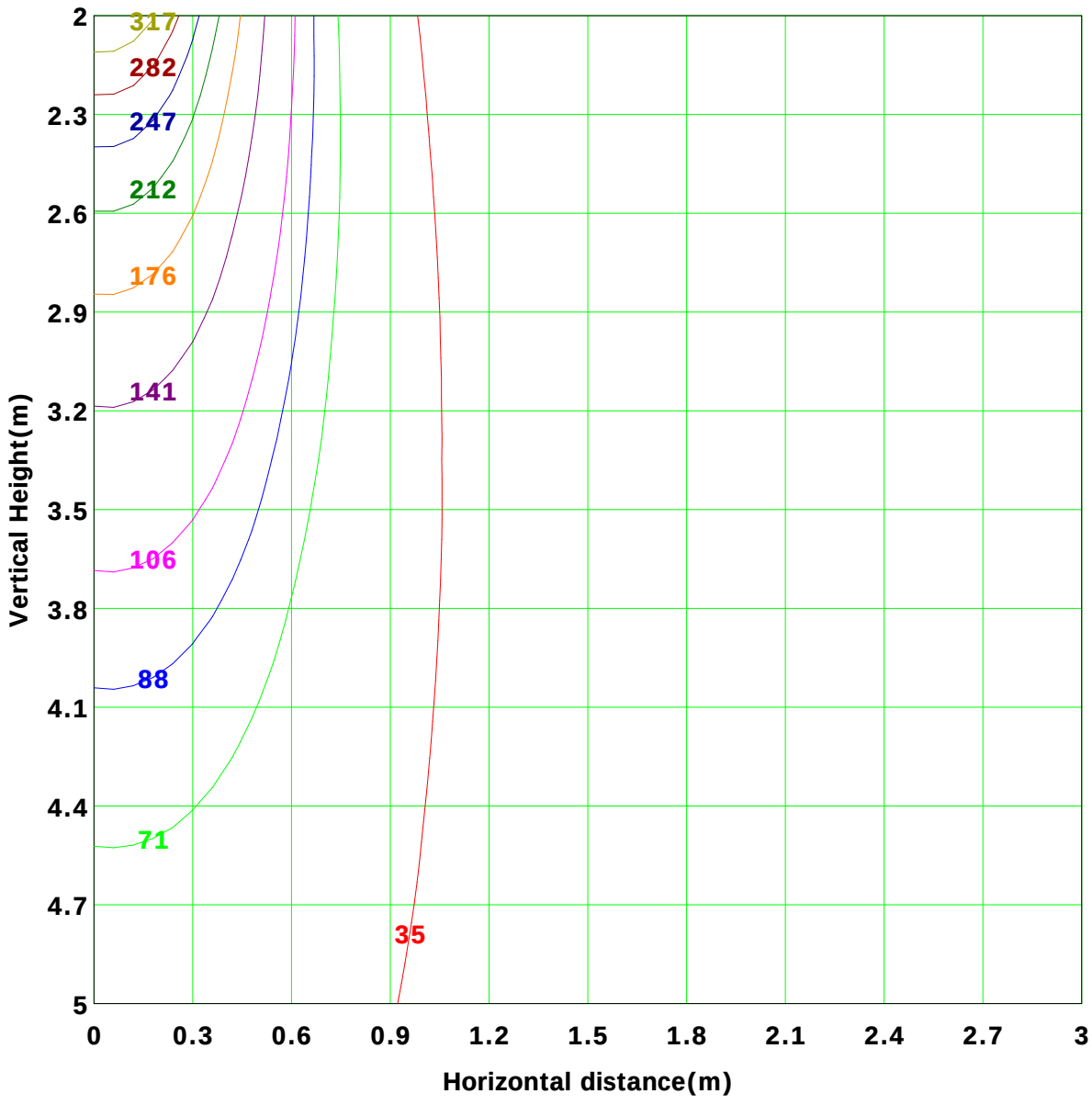
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1410.56	0.45/0.44	0.2	875.88
2.0	352.64	0.89/0.88	0.6	218.97
3.0	156.73	1.34/1.31	1.4	97.32
4.0	88.16	1.79/1.75	2.5	54.74
5.0	56.42	2.23/2.19	3.9	35.04
6.0	39.18	2.68/2.63	5.6	24.33
7.0	28.79	3.13/3.06	7.6	17.88
8.0	22.04	3.58/3.50	9.9	13.69
9.0	17.41	4.02/3.94	12.5	10.81
10.0	14.11	4.47/4.38	15.5	8.76

Beam Angle(B): H25.2 V24.7 Field Angle(F): H57.1 V56.0

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

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

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 352.6 lx

(10%): 35.3 lx
(20%): 70.5 lx
(25%): 88.2 lx
(30%): 105.8 lx
(40%): 141.1 lx
(50%): 176.3 lx
(60%): 211.6 lx
(70%): 246.8 lx
(80%): 282.1 lx
(90%): 317.4 lx

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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:

Area Flux Table

Unit: lm

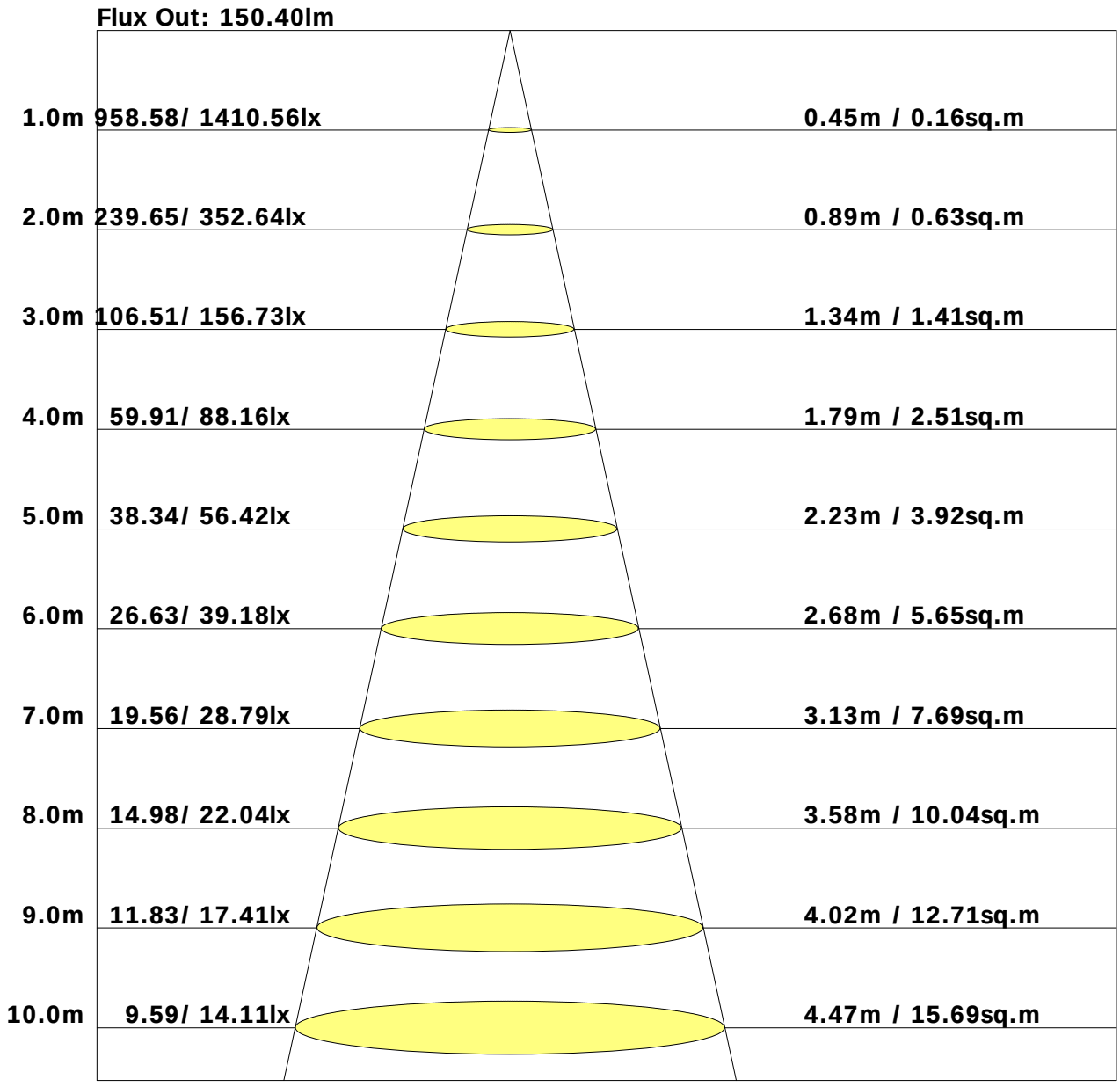
Vertical plane

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		0.0
-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		0.0
-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	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0		0.0
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.6	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0		0.0
-30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.0	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0		0.0
-20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
-10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.6	0.9	1.1	0.8	0.5	0.2	0.1	0.0	0.0	0.0	0.0		0.0
Flux(T)	0.1	0.6	1.7	3.8	7.5	14.5	29.8	65.7	115.2	110.2	58.6	25.9	12.6	6.8	3.6	1.8	0.6	0.1	459		
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	16.1	55.6	105.8	100.7	48.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0		337

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 Device: GPM-1800B
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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	7.3	8.4	7.8	8.8	9.1	5.7	6.8	6.2	7.1	7.5
3H	8.6	9.5	9.0	9.9	10.4	6.6	7.5	7.1	7.9	8.4
4H	9.0	9.8	9.5	10.3	10.7	6.9	7.7	7.3	8.1	8.6
6H	9.2	10.0	9.7	10.4	10.9	7.0	7.7	7.4	8.2	8.7
8H	9.3	10.0	9.8	10.5	11.0	7.0	7.7	7.5	8.2	8.7
12H	9.3	10.0	9.8	10.5	11.0	7.0	7.7	7.5	8.1	8.6
X=4H Y=2H	7.3	8.2	7.8	8.6	9.0	6.2	7.0	6.6	7.4	7.9
3H	8.7	9.4	9.2	9.8	10.3	7.2	7.9	7.7	8.4	8.8
4H	9.1	9.8	9.6	10.2	10.8	7.5	8.1	8.0	8.6	9.1
6H	9.4	10.0	10.0	10.5	11.0	7.7	8.2	8.2	8.7	9.3
8H	9.5	10.0	10.1	10.5	11.1	7.7	8.2	8.2	8.7	9.3
12H	9.6	10.0	10.1	10.5	11.1	7.7	8.2	8.3	8.7	9.3
X=8H Y=4H	9.1	9.5	9.6	10.1	10.6	7.6	8.1	8.2	8.6	9.2
6H	9.4	9.8	10.0	10.4	10.9	7.9	8.3	8.4	8.8	9.4
8H	9.5	9.9	10.1	10.4	11.0	7.9	8.3	8.5	8.9	9.4
12H	9.6	9.9	10.2	10.5	11.1	8.0	8.3	8.6	8.9	9.5
X=12H Y=4H	9.0	9.4	9.5	10.0	10.5	7.6	8.0	8.2	8.6	9.1
6H	9.4	9.7	9.9	10.2	10.9	7.9	8.2	8.5	8.8	9.4
8H	9.5	9.8	10.1	10.3	11.0	8.0	8.3	8.6	8.8	9.5

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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Temperature: 25
Operator: Jacky

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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	1.01	1.03	1.06	1.08
	0.20		0.73	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	0.98	1.00	1.02	1.04	1.06
	0.30		0.76	0.83	0.87	0.90	0.95	0.98	1.00	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	0.85	0.89	0.91	0.95	0.97	0.98	1.00	1.01
	0.30		0.75	0.81	0.85	0.88	0.92	0.95	0.96	0.99	1.00
	0.20		0.72	0.78	0.83	0.86	0.90	0.93	0.95	0.97	0.99
0.00	0.00	0.00	0.70	0.76	0.80	0.83	0.86	0.88	0.90	0.92	0.93

Rating:10W 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	0.63	0.51	0.43	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		0.45	0.38	0.34	0.30	0.24	0.21	0.18	0.14	0.12
0.50	0.50	0.20	0.60	0.48	0.40	0.35	0.27	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	0.19	0.17	0.13	0.11
0.30	0.50	0.20	0.57	0.45	0.38	0.32	0.25	0.21	0.18	0.13	0.11
	0.30		0.49	0.40	0.34	0.29	0.23	0.19	0.17	0.13	0.11
	0.20		0.42	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	0.16	0.13	0.11	0.09	0.07	0.06

Rating:10W 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	0.16	0.17	0.18	0.20	0.21	0.22	0.23
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.21	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	0.16	0.17	0.18	0.20	0.21
0.30	0.50	0.20	0.15	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	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:10W 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	1394.3	1.3	1.3	0.28	0.28
1.0-2.0	1380.6	4.0	5.3	0.84	1.12
2.0-3.0	1354.0	6.5	11.8	1.37	2.48
3.0-4.0	1316.1	8.8	20.6	1.86	4.34
4.0-5.0	1267.2	10.9	31.5	2.30	6.64
5.0-6.0	1209.0	12.7	44.2	2.68	9.32
6.0-7.0	1143.7	14.2	58.4	2.99	12.31
7.0-8.0	1072.9	15.4	73.8	3.24	15.55
8.0-9.0	998.2	16.2	89.9	3.41	18.97
9.0-10.0	921.6	16.7	106.6	3.52	22.48
10.0-11.0	846.0	16.9	123.5	3.57	26.05
11.0-12.0	772.1	16.9	140.4	3.56	29.61
12.0-13.0	701.8	16.7	157.1	3.51	33.12
13.0-14.0	635.9	16.3	173.3	3.43	36.55
14.0-15.0	574.3	15.8	189.1	3.33	39.88
15.0-16.0	518.2	15.2	204.3	3.20	43.08
16.0-17.0	467.3	14.6	218.8	3.07	46.15
17.0-18.0	420.4	13.9	232.7	2.92	49.08
18.0-19.0	378.2	13.2	245.9	2.78	51.85
19.0-20.0	340.6	12.5	258.3	2.63	54.48
20.0-21.0	306.8	11.8	270.1	2.48	56.97
21.0-22.0	276.6	11.1	281.2	2.34	59.31
22.0-23.0	249.6	10.5	291.7	2.21	61.52
23.0-24.0	225.5	9.9	301.6	2.08	63.60
24.0-25.0	204.1	9.3	310.9	1.96	65.56
25.0-26.0	184.9	8.7	319.6	1.84	67.40
26.0-27.0	167.7	8.2	327.8	1.73	69.13
27.0-28.0	152.2	7.7	335.5	1.62	70.75
28.0-29.0	138.2	7.2	342.7	1.53	72.28
29.0-30.0	125.7	6.8	349.5	1.43	73.71
30.0-31.0	114.3	6.4	355.9	1.34	75.05
31.0-32.0	103.9	6.0	361.8	1.26	76.31
32.0-33.0	94.6	5.6	367.4	1.18	77.48
33.0-34.0	86.3	5.2	372.6	1.10	78.58
34.0-35.0	78.7	4.9	377.5	1.03	79.61
35.0-36.0	72.0	4.6	382.1	0.97	80.58

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	65.9	4.3	386.4	0.91	81.49
37.0-38.0	60.6	4.0	390.4	0.85	82.34
38.0-39.0	55.9	3.8	394.3	0.80	83.15
39.0-40.0	51.7	3.6	397.9	0.76	83.91
40.0-41.0	48.0	3.4	401.3	0.72	84.63
41.0-42.0	44.7	3.2	404.5	0.68	85.31
42.0-43.0	41.6	3.1	407.6	0.65	85.96
43.0-44.0	38.9	2.9	410.5	0.62	86.58
44.0-45.0	36.3	2.8	413.3	0.59	87.17
45.0-46.0	34.0	2.7	416.0	0.56	87.73
46.0-47.0	31.9	2.5	418.5	0.53	88.27
47.0-48.0	29.9	2.4	420.9	0.51	88.77
48.0-49.0	28.0	2.3	423.2	0.49	89.26
49.0-50.0	26.3	2.2	425.4	0.46	89.72
50.0-51.0	24.7	2.1	427.5	0.44	90.16
51.0-52.0	23.2	2.0	429.5	0.42	90.58
52.0-53.0	21.7	1.9	431.4	0.40	90.98
53.0-54.0	20.4	1.8	433.2	0.38	91.36
54.0-55.0	19.1	1.7	434.9	0.36	91.72
55.0-56.0	17.9	1.6	436.5	0.34	92.06
56.0-57.0	16.8	1.5	438.1	0.32	92.38
57.0-58.0	15.8	1.5	439.5	0.31	92.69
58.0-59.0	14.8	1.4	440.9	0.29	92.98
59.0-60.0	13.8	1.3	442.2	0.28	93.26
60.0-61.0	12.9	1.2	443.4	0.26	93.52
61.0-62.0	12.1	1.2	444.6	0.25	93.77
62.0-63.0	11.3	1.1	445.7	0.23	94.00
63.0-64.0	10.6	1.0	446.8	0.22	94.22
64.0-65.0	10.0	1.0	447.7	0.21	94.43
65.0-66.0	9.4	0.9	448.7	0.20	94.62
66.0-67.0	8.8	0.9	449.6	0.19	94.81
67.0-68.0	8.2	0.8	450.4	0.18	94.99
68.0-69.0	7.7	0.8	451.2	0.17	95.15
69.0-70.0	7.2	0.7	451.9	0.16	95.31
70.0-71.0	6.7	0.7	452.6	0.15	95.45
71.0-72.0	6.2	0.6	453.3	0.14	95.59

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	5.7	0.6	453.9	0.13	95.71
73.0-74.0	5.2	0.6	454.4	0.12	95.83
74.0-75.0	4.8	0.5	454.9	0.11	95.94
75.0-76.0	4.4	0.5	455.4	0.10	96.04
76.0-77.0	4.1	0.4	455.8	0.09	96.13
77.0-78.0	3.7	0.4	456.2	0.08	96.21
78.0-79.0	3.4	0.4	456.6	0.08	96.29
79.0-80.0	3.1	0.3	456.9	0.07	96.36
80.0-81.0	2.9	0.3	457.2	0.07	96.43
81.0-82.0	2.6	0.3	457.5	0.06	96.49
82.0-83.0	2.4	0.3	457.8	0.06	96.54
83.0-84.0	2.2	0.2	458.0	0.05	96.59
84.0-85.0	2.1	0.2	458.3	0.05	96.64
85.0-86.0	2.0	0.2	458.5	0.05	96.69
86.0-87.0	1.9	0.2	458.7	0.04	96.73
87.0-88.0	1.8	0.2	458.9	0.04	96.77
88.0-89.0	1.8	0.2	459.1	0.04	96.81
89.0-90.0	1.8	0.2	459.3	0.04	96.86
90.0-91.0	1.8	0.2	459.5	0.04	96.90
91.0-92.0	1.8	0.2	459.7	0.04	96.94
92.0-93.0	1.8	0.2	459.9	0.04	96.98
93.0-94.0	1.8	0.2	460.1	0.04	97.02
94.0-95.0	1.8	0.2	460.3	0.04	97.06
95.0-96.0	1.8	0.2	460.4	0.04	97.10
96.0-97.0	1.8	0.2	460.6	0.04	97.14
97.0-98.0	1.8	0.2	460.8	0.04	97.18
98.0-99.0	1.7	0.2	461.0	0.04	97.22
99.0-100.0	1.7	0.2	461.2	0.04	97.26
100.0-101.0	1.7	0.2	461.4	0.04	97.30
101.0-102.0	1.7	0.2	461.6	0.04	97.34
102.0-103.0	1.7	0.2	461.8	0.04	97.38
103.0-104.0	1.7	0.2	461.9	0.04	97.42
104.0-105.0	1.7	0.2	462.1	0.04	97.46
105.0-106.0	1.7	0.2	462.3	0.04	97.50
106.0-107.0	1.7	0.2	462.5	0.04	97.53
107.0-108.0	1.7	0.2	462.7	0.04	97.57

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	462.8	0.04	97.61
109.0-110.0	1.7	0.2	463.0	0.04	97.65
110.0-111.0	1.7	0.2	463.2	0.04	97.68
111.0-112.0	1.7	0.2	463.4	0.04	97.72
112.0-113.0	1.8	0.2	463.5	0.04	97.76
113.0-114.0	1.8	0.2	463.7	0.04	97.80
114.0-115.0	1.8	0.2	463.9	0.04	97.83
115.0-116.0	1.8	0.2	464.1	0.04	97.87
116.0-117.0	1.8	0.2	464.3	0.04	97.91
117.0-118.0	1.8	0.2	464.4	0.04	97.95
118.0-119.0	1.8	0.2	464.6	0.04	97.98
119.0-120.0	1.9	0.2	464.8	0.04	98.02
120.0-121.0	1.9	0.2	465.0	0.04	98.06
121.0-122.0	1.9	0.2	465.1	0.04	98.10
122.0-123.0	1.9	0.2	465.3	0.04	98.13
123.0-124.0	2.0	0.2	465.5	0.04	98.17
124.0-125.0	2.0	0.2	465.7	0.04	98.21
125.0-126.0	2.0	0.2	465.9	0.04	98.25
126.0-127.0	2.0	0.2	466.0	0.04	98.29
127.0-128.0	2.1	0.2	466.2	0.04	98.32
128.0-129.0	2.1	0.2	466.4	0.04	98.36
129.0-130.0	2.2	0.2	466.6	0.04	98.40
130.0-131.0	2.2	0.2	466.8	0.04	98.44
131.0-132.0	2.3	0.2	467.0	0.04	98.48
132.0-133.0	2.3	0.2	467.1	0.04	98.52
133.0-134.0	2.4	0.2	467.3	0.04	98.56
134.0-135.0	2.4	0.2	467.5	0.04	98.60
135.0-136.0	2.5	0.2	467.7	0.04	98.64
136.0-137.0	2.6	0.2	467.9	0.04	98.68
137.0-138.0	2.6	0.2	468.1	0.04	98.72
138.0-139.0	2.7	0.2	468.3	0.04	98.76
139.0-140.0	2.8	0.2	468.5	0.04	98.80
140.0-141.0	2.9	0.2	468.7	0.04	98.85
141.0-142.0	3.0	0.2	468.9	0.04	98.89
142.0-143.0	3.1	0.2	469.1	0.04	98.93
143.0-144.0	3.1	0.2	469.3	0.04	98.98

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	3.2	0.2	469.5	0.04	99.02
145.0-146.0	3.3	0.2	469.7	0.04	99.06
146.0-147.0	3.4	0.2	469.9	0.04	99.11
147.0-148.0	3.5	0.2	470.1	0.04	99.15
148.0-149.0	3.6	0.2	470.4	0.04	99.19
149.0-150.0	3.7	0.2	470.6	0.04	99.24
150.0-151.0	3.8	0.2	470.8	0.04	99.28
151.0-152.0	3.9	0.2	471.0	0.04	99.32
152.0-153.0	3.9	0.2	471.2	0.04	99.36
153.0-154.0	4.0	0.2	471.4	0.04	99.40
154.0-155.0	4.1	0.2	471.5	0.04	99.45
155.0-156.0	4.2	0.2	471.7	0.04	99.48
156.0-157.0	4.2	0.2	471.9	0.04	99.52
157.0-158.0	4.3	0.2	472.1	0.04	99.56
158.0-159.0	4.4	0.2	472.3	0.04	99.60
159.0-160.0	4.4	0.2	472.4	0.04	99.63
160.0-161.0	4.5	0.2	472.6	0.03	99.67
161.0-162.0	4.5	0.2	472.8	0.03	99.70
162.0-163.0	4.5	0.1	472.9	0.03	99.73
163.0-164.0	4.6	0.1	473.1	0.03	99.76
164.0-165.0	4.6	0.1	473.2	0.03	99.79
165.0-166.0	4.6	0.1	473.3	0.03	99.82
166.0-167.0	4.6	0.1	473.4	0.02	99.84
167.0-168.0	4.6	0.1	473.5	0.02	99.87
168.0-169.0	4.6	0.1	473.6	0.02	99.89
169.0-170.0	4.6	0.1	473.7	0.02	99.91
170.0-171.0	4.6	0.1	473.8	0.02	99.92
171.0-172.0	4.6	0.1	473.9	0.02	99.94
172.0-173.0	4.6	0.1	474.0	0.01	99.95
173.0-174.0	4.6	0.1	474.0	0.01	99.97
174.0-175.0	4.6	0.0	474.1	0.01	99.98
175.0-176.0	4.6	0.0	474.1	0.01	99.99
176.0-177.0	4.6	0.0	474.1	0.01	99.99
177.0-178.0	4.6	0.0	474.2	0.00	100.00
178.0-179.0	4.6	0.0	474.2	0.00	100.00
179.0-180.0	4.6	0.0	474.2	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: