GENLED Brands
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Report No.: 大炮 **Test Time:** 2023/3/22 16:03

Luminaire Property

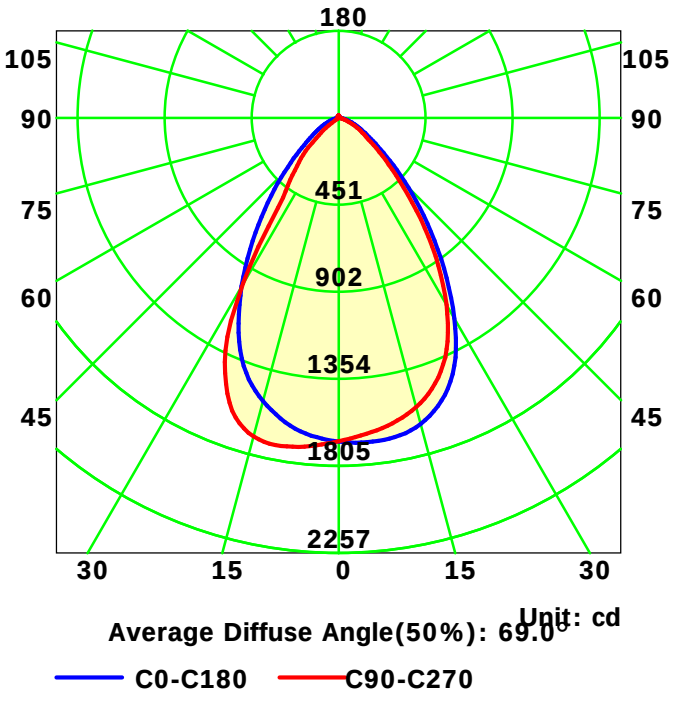
Luminaire Manufacturer:
Luminaire Category: LDK60°
Luminous Length (mm): 270
Luminous Height (mm): 20
Current: 0.152 A
Power Factor: 0.976
Lamp Description: 3000K
Luminous Width (mm): 70
Voltage: 219.1 V
Power: 32.50 W

Photometric Results

CIE Class: Direct
Measurement Flux: 2322.7 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(10%,50%): H115.4,H70.9
Vertical Diffuse Angle(10%,50%): V103.4,V67.1
Luminaire Efficacy Rating (LER): 71
Max. Intensity: 1728.87 cd
Total Rated Lamp Lumens: 2322.7 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 1679.25 cd
Pos of Max. Intensity: H270 V11

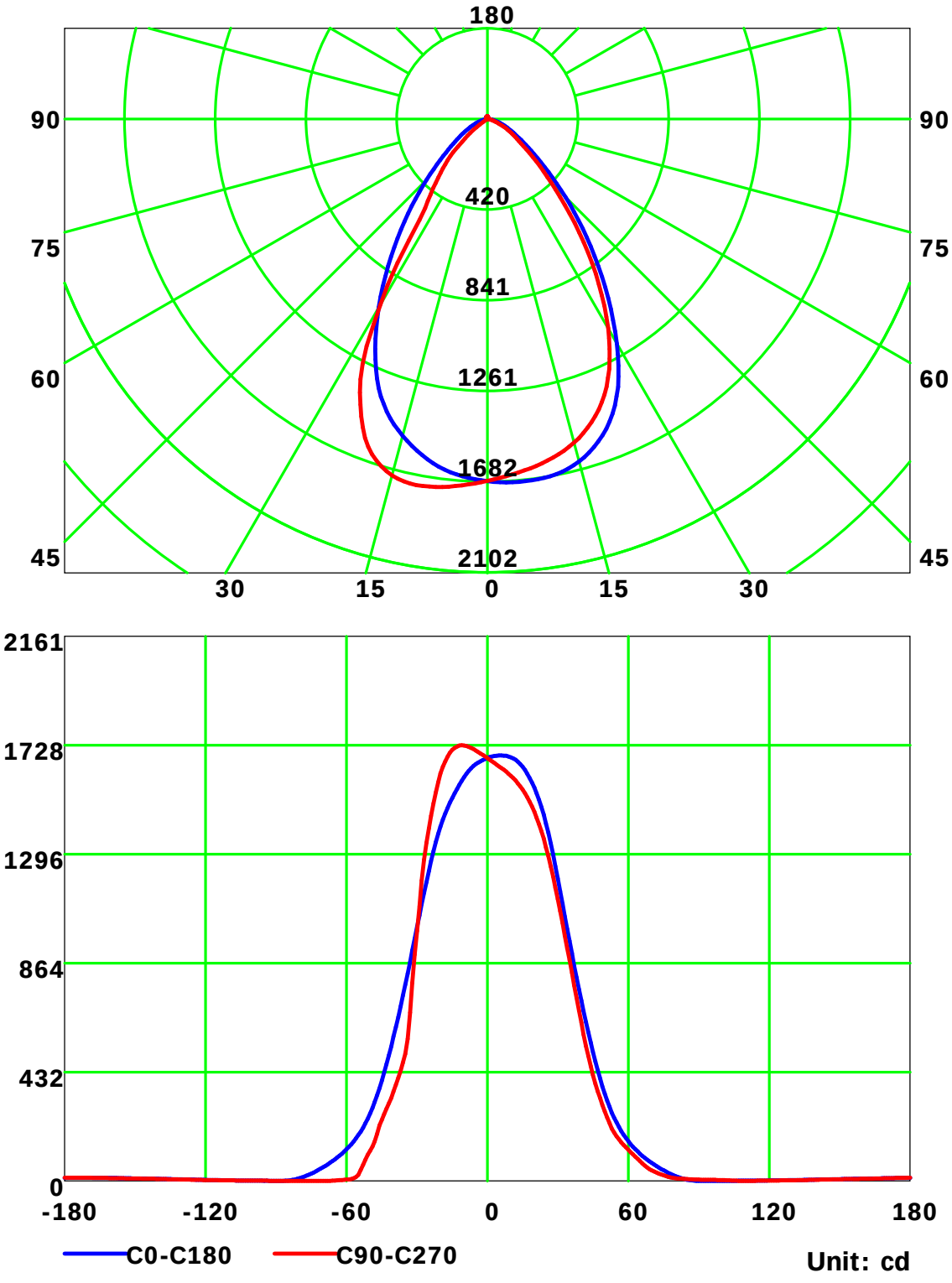
Picture Of Luminaire

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



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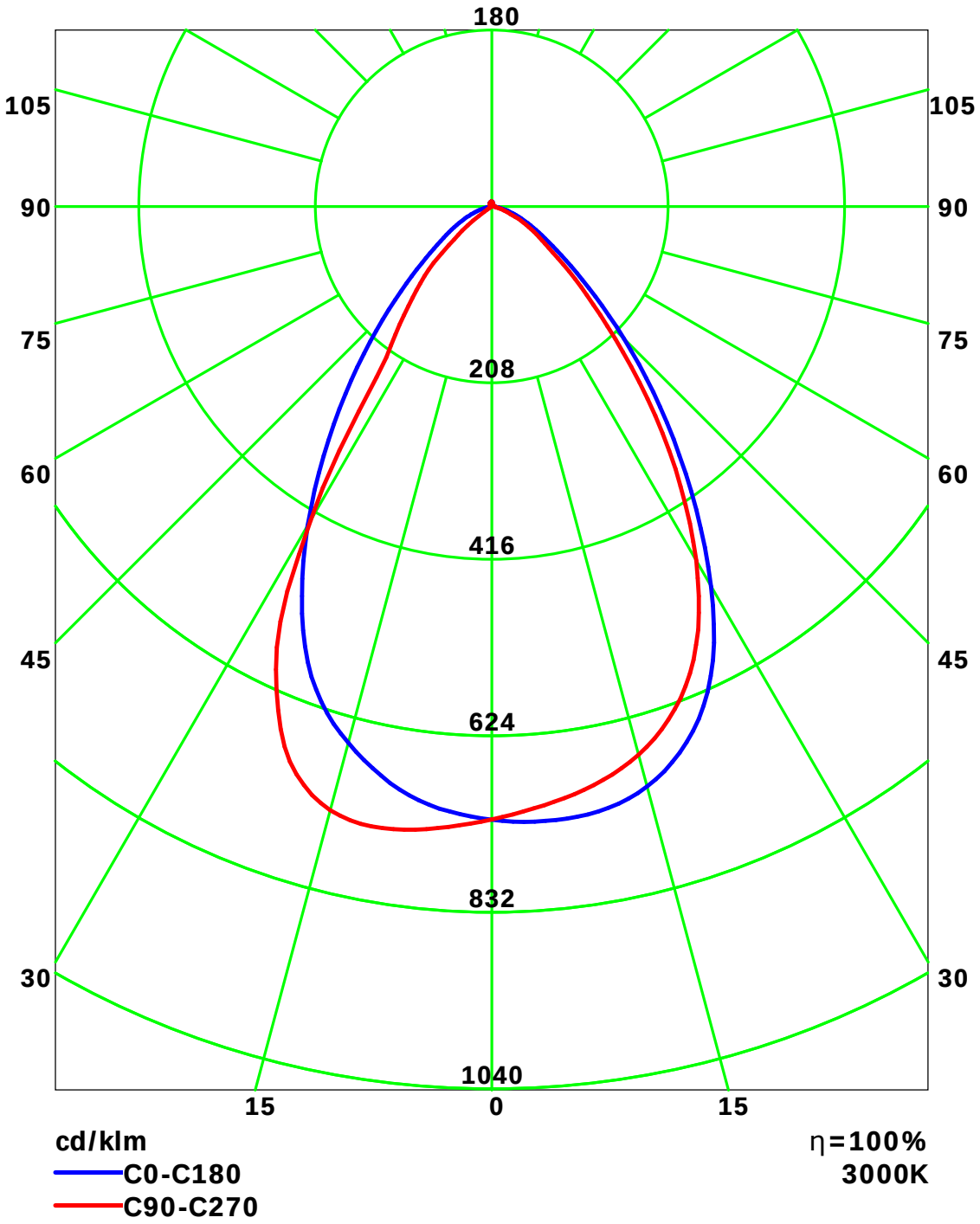
Luminous Intensity Distribution Curve(cd/klm)



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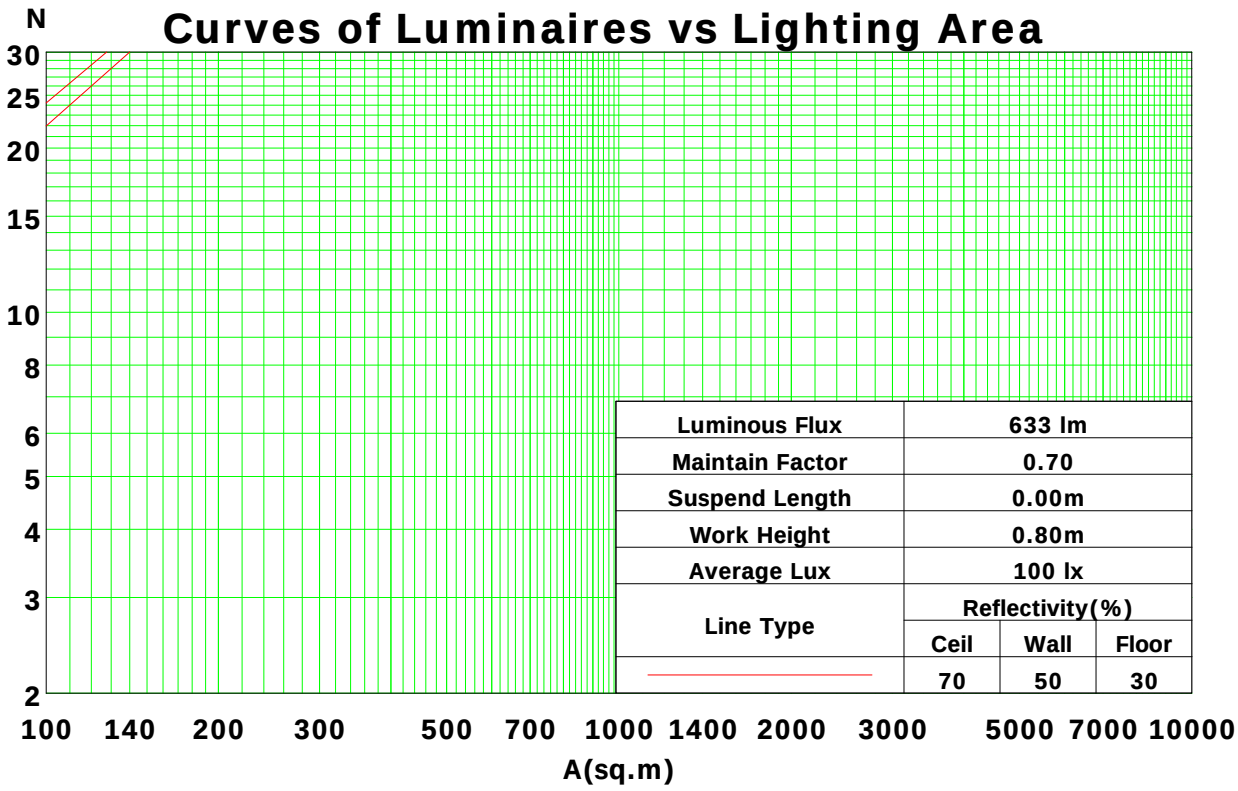
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	101	101	101	99
1	112	109	106	103	109	106	104	101	102	100	98	98	96	95	94	93	92	90
2	105	99	94	90	102	97	93	89	94	90	87	90	87	85	87	85	83	81
3	98	91	85	80	96	89	83	79	86	81	78	83	79	76	81	78	75	73
4	92	83	76	71	90	82	76	71	79	74	70	77	72	69	75	71	68	66
5	86	76	70	64	84	75	69	64	73	68	63	71	66	63	70	65	62	60
6	81	71	64	59	79	70	63	58	68	62	58	66	61	57	65	60	57	55
7	76	65	58	54	75	65	58	53	63	57	53	62	56	53	60	56	52	50
8	72	61	54	49	71	60	54	49	59	53	49	58	52	48	57	52	48	47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43
10	64	53	47	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40

Spacing Criteria (0-180): 1.05
Spacing Criteria (90-270): 1.05
Spacing Criteria (Diagonal): 1.02

Curves of Luminaires vs Lighting Area



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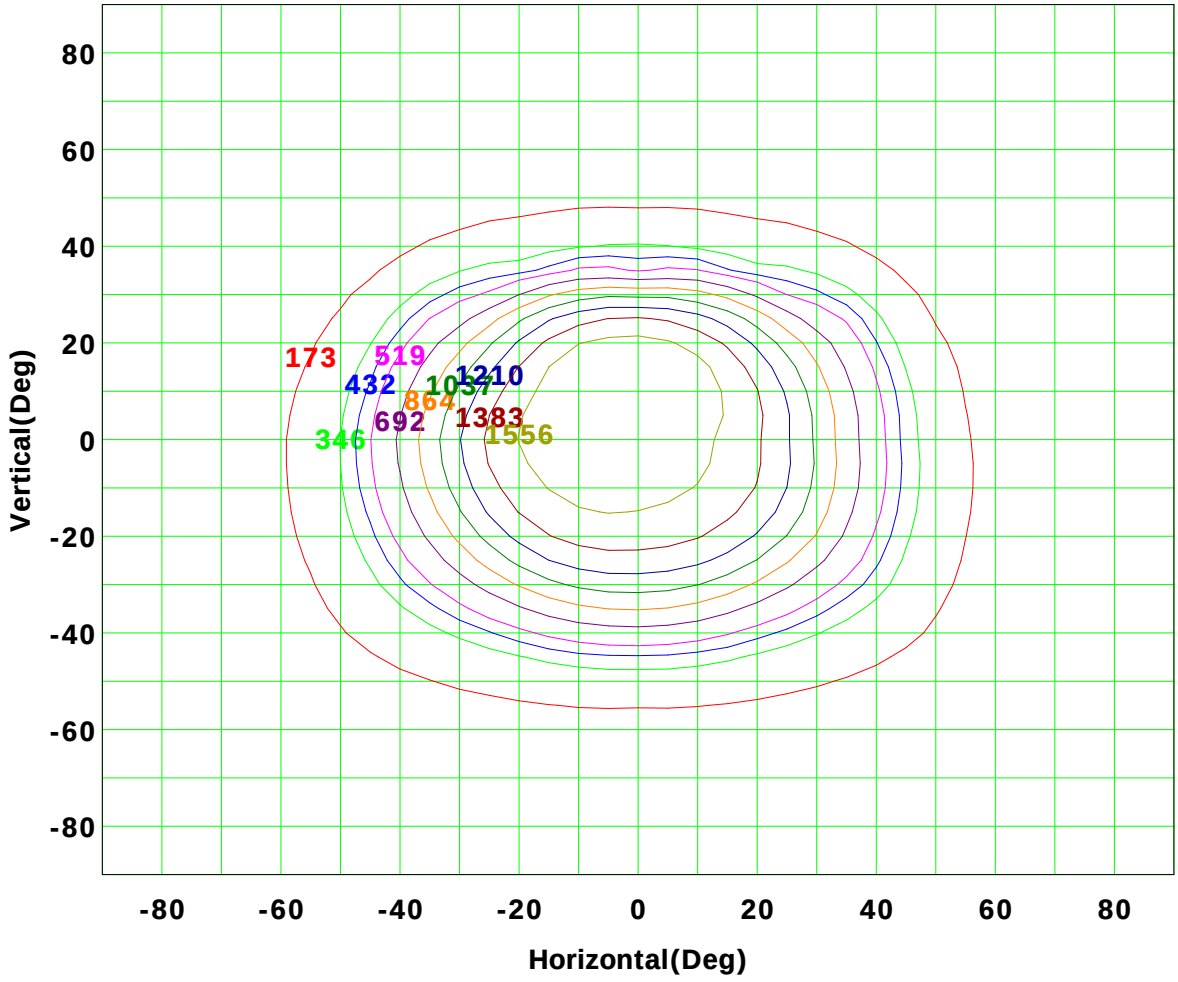
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

Isocandela (rectangle)



Imax (100%): 1729 cd

(10%): 173 cd	(20%): 346 cd
(25%): 432 cd	(30%): 519 cd
(40%): 692 cd	(50%): 864 cd
(60%): 1037 cd	(70%): 1210 cd
(80%): 1383 cd	(90%): 1556 cd

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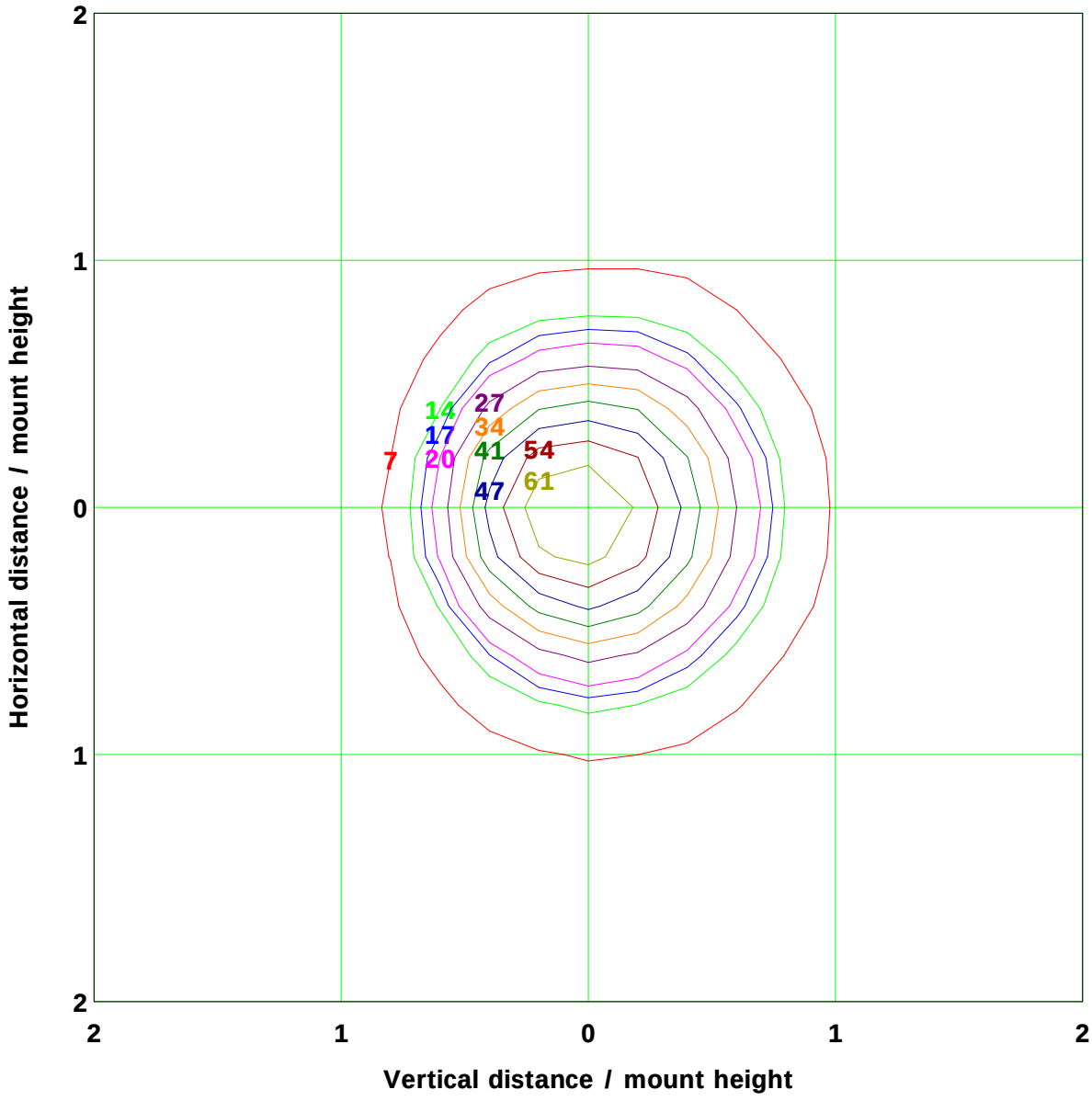
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 67.6 lx

(10%): 6.8 lx	(20%): 13.5 lx
(25%): 16.9 lx	(30%): 20.3 lx
(40%): 27.0 lx	(50%): 33.8 lx
(60%): 40.6 lx	(70%): 47.3 lx
(80%): 54.1 lx	(90%): 60.8 lx

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Test Type: TYPE C
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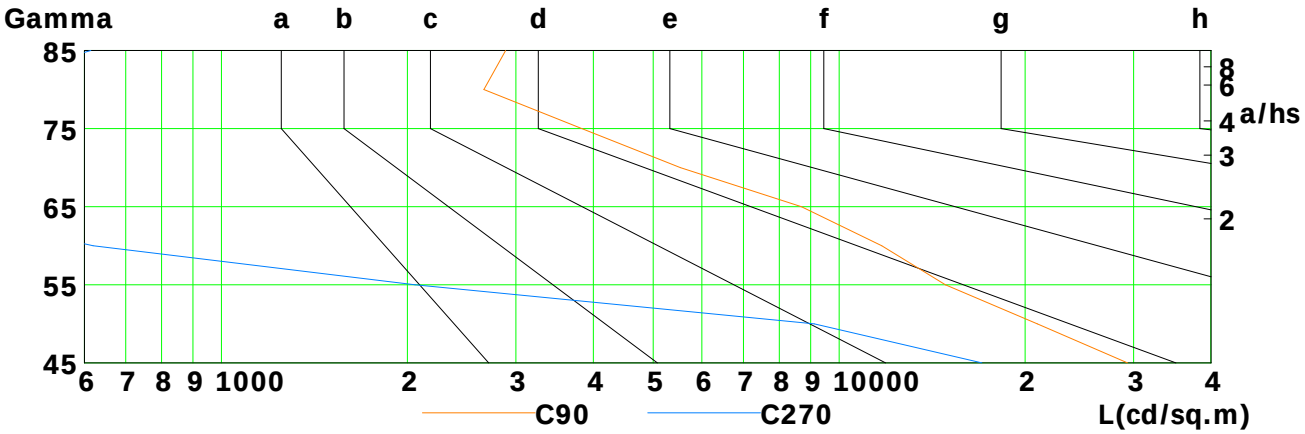
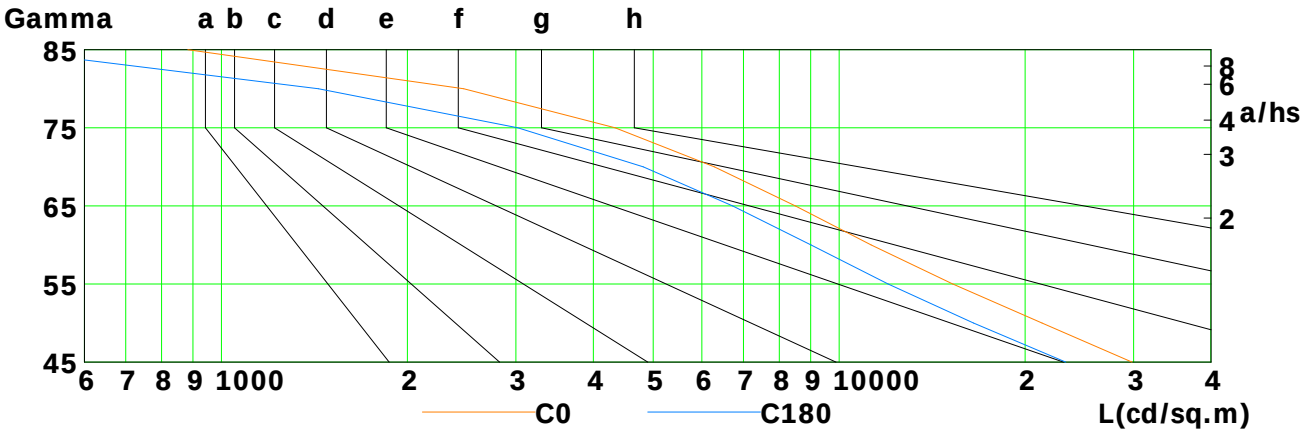
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	29810	21314	15280	11275	8499	6283	4341	2470	882
C90	29317	20938	14868	11727	8691	5536	3832	2661	2886
C180	23272	16513	12010	9009	6727	4823	3021	1436	441
C270	17039	9117	2060	620	322	203	272	378	615

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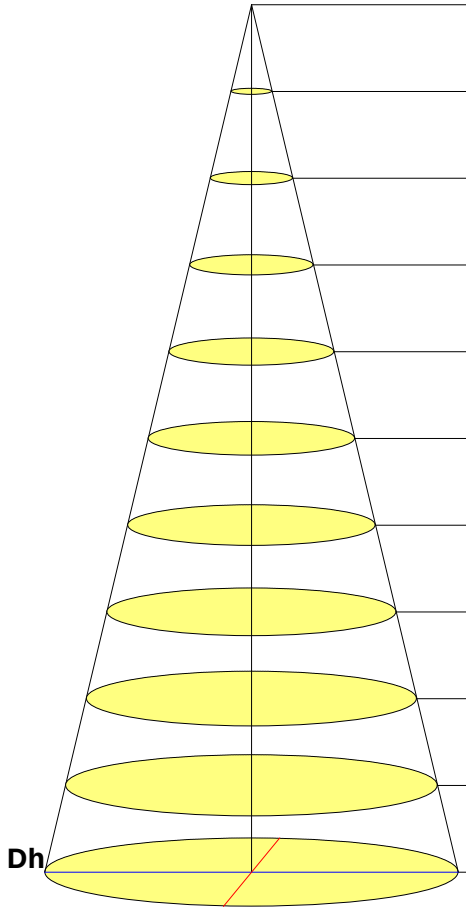
Temperature: 25
Operator: Jacky

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

Illuminance at a Distance



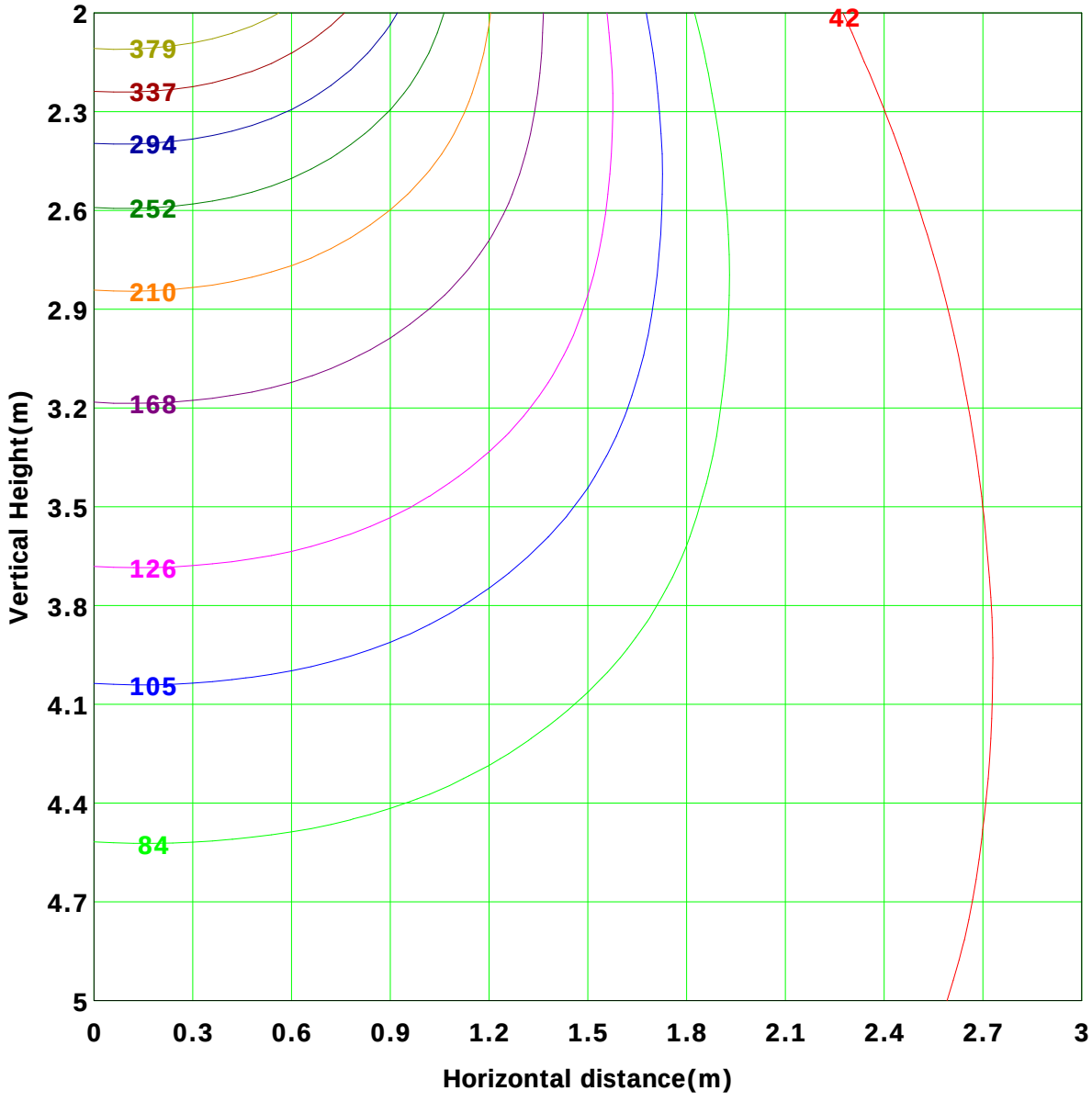
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	1679.25	1.42/1.33	1.5	549.67
2.0	419.81	2.85/2.65	6.1	137.42
3.0	186.58	4.27/3.98	13.8	61.07
4.0	104.95	5.69/5.30	24.4	34.35
5.0	67.17	7.12/6.63	38.2	21.99
6.0	46.65	8.54/7.95	55.0	15.27
7.0	34.27	9.96/9.28	74.9	11.22
8.0	26.24	11.39/10.60	97.8	8.59
9.0	20.73	12.81/11.93	123.8	6.79
10.0	16.79	14.23/13.25	152.8	5.50

Beam Angle(B): H70.9 V67.1 Field Angle(F): H115.4 V103.4

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: 420.7 lx

(10%): 42.1 lx
(20%): 84.1 lx
(25%): 105.2 lx
(30%): 126.2 lx
(40%): 168.3 lx
(50%): 210.3 lx
(60%): 252.4 lx
(70%): 294.5 lx
(80%): 336.6 lx
(90%): 378.6 lx

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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:

Area Flux Table

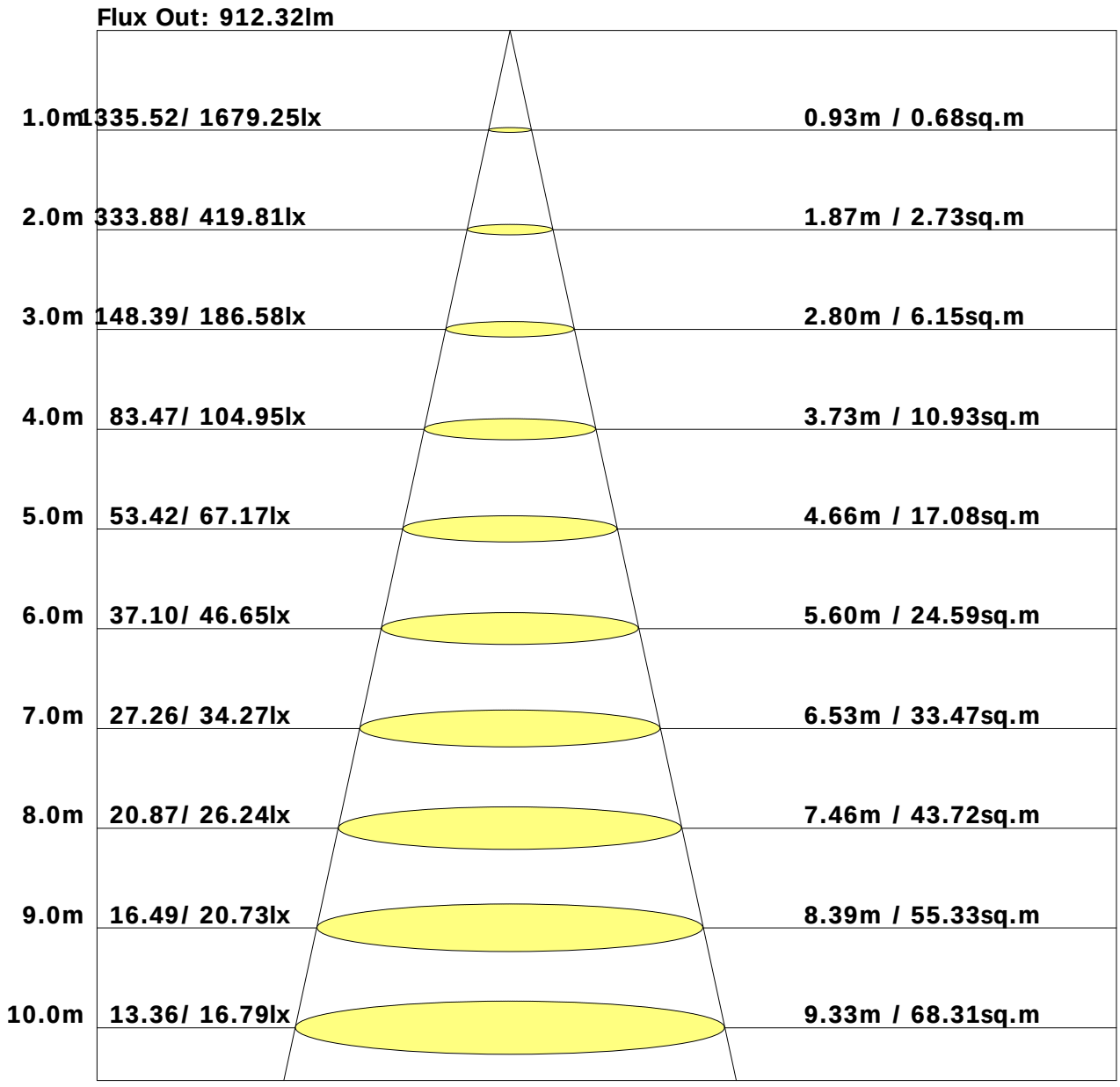
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	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
-90	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	0.1	0.1	0.1	0.0	0.0	0.0	2.3	0.0
-80	0.0	0.0	0.0	0.0	0.2	0.5	0.8	1.0	1.1	1.2	1.1	1.0	0.9	0.7	0.4	0.3	0.1	0.1	0.0	9.8	0.0
-70	0.0	0.0	0.0	0.1	0.3	0.9	2.2	2.8	3.2	3.4	3.3	2.9	2.4	1.8	1.1	0.6	0.3	0.1	0.0	27.1	9.9
-60	0.0	0.0	0.1	0.2	0.7	1.8	5.6	7.5	8.7	9.0	8.5	7.2	5.4	3.4	2.1	1.0	0.4	0.2	0.0	65.1	54.1
-50	0.0	0.1	0.3	0.9	3.0	6.9	12.4	17.0	19.3	19.8	18.3	14.6	9.8	5.7	3.1	1.5	0.5	0.2	0.0	133.2	123.7
-40	0.0	0.1	0.5	1.5	4.6	10.2	21.1	30.2	33.6	33.8	31.3	24.3	15.4	8.2	4.1	1.9	0.6	0.2	0.0	220.8	212.1
-30	0.0	0.2	0.8	2.2	6.0	14.3	32.8	43.0	45.1	44.2	41.3	33.7	21.5	11.0	5.1	2.3	0.7	0.3	0.0	302.8	294.2
-20	0.0	0.2	1.0	2.8	7.1	17.7	40.2	50.2	50.8	49.1	46.2	39.0	25.8	12.8	5.6	2.5	0.8	0.3	0.0	349.8	341.4
-10	0.0	0.3	1.1	3.2	7.2	17.9	40.8	51.1	51.6	50.0	47.0	39.6	26.2	13.0	5.7	2.5	0.8	0.3	0.0	355.3	347.3
0	0.0	0.3	1.2	3.4	9.0	19.8	34.2	45.1	47.9	47.1	43.3	35.1	22.3	11.3	5.2	2.3	0.7	0.3	0.0	317.4	308.8
10	0.0	0.3	1.1	3.3	8.5	18.3	31.3	41.3	46.2	49.1	46.2	33.7	21.5	11.0	5.1	2.3	0.7	0.3	0.0	237.4	228.9
20	0.0	0.2	1.0	2.9	7.2	14.6	24.3	33.7	39.0	39.6	35.1	25.6	16.1	8.5	4.2	1.9	0.6	0.2	0.0	146.7	137.3
30	0.0	0.2	0.9	2.4	5.4	9.8	15.4	21.5	25.8	26.2	22.3	16.1	10.3	5.9	3.2	1.5	0.5	0.2	0.0	73.8	63.0
40	0.0	0.1	0.7	1.8	3.4	5.7	8.2	11.0	12.8	13.0	11.3	8.5	5.9	3.6	2.1	1.0	0.4	0.2	0.0	31.1	16.8
50	0.0	0.1	0.4	1.1	2.1	3.1	4.1	5.1	5.6	5.7	5.2	4.2	3.2	2.1	1.2	0.6	0.3	0.1	0.0	11.7	0.0
60	0.0	0.1	0.3	0.6	1.0	1.5	1.9	2.3	2.5	2.5	2.3	1.9	1.5	1.0	0.6	0.3	0.1	0.0	0.0	3.2	0.0
70	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	0.3	0.1	0.0	0.0	0.0	0.3	0.0
80	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.6	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)	0.7	0.8	2.1	12.2	28.7	48.2	102.0	111.4	228.5	235.1	307.4	312.8	333.8	338.5	305.3	331.6	246.4	251.7	165.8	159.4	78.6
Flux(E)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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
Distance: 9.028 m
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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	16.1	17.3	16.5	17.6	18.0	14.6	15.8	15.0	16.2	16.5
3H	16.9	17.9	17.3	18.3	18.7	15.1	16.2	15.5	16.5	16.9
4H	17.1	18.1	17.5	18.5	18.9	15.2	16.2	15.6	16.5	17.0
6H	17.2	18.1	17.6	18.5	18.9	15.2	16.1	15.6	16.5	16.9
8H	17.2	18.0	17.7	18.5	18.9	15.1	16.0	15.6	16.4	16.9
12H	17.2	18.0	17.6	18.4	18.9	15.1	15.9	15.6	16.3	16.8
X=4H Y=2H	16.1	17.1	16.5	17.5	17.9	15.0	16.0	15.5	16.4	16.8
3H	17.0	17.8	17.4	18.2	18.7	15.6	16.4	16.0	16.8	17.3
4H	17.3	18.0	17.7	18.4	18.9	15.7	16.4	16.2	16.8	17.3
6H	17.4	18.0	17.9	18.5	19.0	15.7	16.3	16.2	16.8	17.3
8H	17.4	18.0	17.9	18.4	18.9	15.7	16.2	16.2	16.7	17.2
12H	17.4	17.9	17.9	18.4	18.9	15.7	16.2	16.2	16.7	17.2
X=8H Y=4H	17.2	17.7	17.7	18.2	18.7	15.7	16.3	16.2	16.8	17.3
6H	17.3	17.8	17.8	18.3	18.8	15.8	16.2	16.3	16.8	17.3
8H	17.3	17.7	17.9	18.3	18.8	15.8	16.2	16.3	16.7	17.2
12H	17.3	17.7	17.8	18.2	18.8	15.8	16.1	16.3	16.7	17.3
X=12H Y=4H	17.1	17.6	17.6	18.1	18.6	15.7	16.2	16.2	16.7	17.2
6H	17.2	17.7	17.8	18.2	18.7	15.7	16.2	16.3	16.6	17.2
8H	17.3	17.6	17.8	18.2	18.8	15.8	16.1	16.3	16.6	17.2

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 = 1.00					
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	0.75	0.83	0.89	0.92	0.98	1.01	1.03	1.06	1.08
	0.30		0.69	0.78	0.84	0.88	0.94	0.97	1.00	1.04	1.06
	0.20		0.65	0.74	0.80	0.84	0.90	0.94	0.97	1.01	1.04
0.50	0.50	0.20	0.73	0.81	0.86	0.90	0.95	0.98	1.00	1.02	1.04
	0.30		0.68	0.76	0.82	0.86	0.91	0.95	0.97	1.00	1.02
	0.20		0.64	0.73	0.78	0.83	0.88	0.92	0.95	0.98	1.00
0.30	0.50	0.20	0.72	0.79	0.84	0.87	0.92	0.94	0.96	0.98	1.00
	0.30		0.67	0.75	0.80	0.84	0.89	0.92	0.94	0.97	0.98
	0.20		0.64	0.72	0.77	0.81	0.86	0.90	0.92	0.95	0.97
0.00	0.00	0.00	0.62	0.70	0.75	0.78	0.83	0.86	0.88	0.91	0.92

Rating:33W 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 = 1.00								
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	0.72	0.58	0.48	0.42	0.33	0.27	0.23	0.17	0.14
	0.30		0.60	0.49	0.42	0.37	0.29	0.25	0.21	0.16	0.14
	0.20		0.52	0.43	0.37	0.33	0.27	0.23	0.20	0.15	0.13
0.50	0.50	0.20	0.69	0.55	0.45	0.39	0.30	0.29	0.21	0.16	0.13
	0.30		0.58	0.47	0.40	0.35	0.28	0.23	0.20	0.15	0.13
	0.20		0.51	0.42	0.36	0.32	0.26	0.21	0.19	0.15	0.12
0.30	0.50	0.20	0.66	0.52	0.43	0.37	0.28	0.23	0.20	0.15	0.12
	0.30		0.56	0.46	0.38	0.33	0.26	0.22	0.18	0.14	0.12
	0.20		0.49	0.41	0.35	0.30	0.24	0.20	0.17	0.14	0.11
0.00	0.00	0.00	0.37	0.29	0.24	0.21	0.16	0.13	0.11	0.08	0.07

Rating:33W 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 = 1.00								
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	0.15	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	0.19
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.30	0.50	0.20	0.14	0.16	0.17	0.17	0.18	0.19	0.20	0.20	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
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:33W 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	1676.7	1.6	1.6	0.07	0.07
1.0-2.0	1676.3	4.8	6.4	0.21	0.28
2.0-3.0	1675.7	8.0	14.4	0.35	0.62
3.0-4.0	1674.7	11.2	25.6	0.48	1.10
4.0-5.0	1673.3	14.4	40.0	0.62	1.72
5.0-6.0	1671.6	17.6	57.6	0.76	2.48
6.0-7.0	1669.4	20.7	78.3	0.89	3.37
7.0-8.0	1666.5	23.9	102.2	1.03	4.40
8.0-9.0	1662.8	27.0	129.1	1.16	5.56
9.0-10.0	1658.2	30.0	159.2	1.29	6.85
10.0-11.0	1652.4	33.0	192.2	1.42	8.27
11.0-12.0	1645.5	36.0	228.1	1.55	9.82
12.0-13.0	1637.1	38.9	267.0	1.67	11.50
13.0-14.0	1627.2	41.7	308.7	1.79	13.29
14.0-15.0	1615.7	44.4	353.0	1.91	15.20
15.0-16.0	1602.3	47.0	400.0	2.02	17.22
16.0-17.0	1587.1	49.4	449.4	2.13	19.35
17.0-18.0	1569.7	51.8	501.2	2.23	21.58
18.0-19.0	1549.9	53.9	555.1	2.32	23.90
19.0-20.0	1527.5	55.9	611.0	2.41	26.31
20.0-21.0	1502.3	57.7	668.7	2.48	28.79
21.0-22.0	1473.9	59.2	728.0	2.55	31.34
22.0-23.0	1442.4	60.5	788.5	2.61	33.95
23.0-24.0	1407.7	61.6	850.0	2.65	36.60
24.0-25.0	1369.4	62.3	912.3	2.68	39.28
25.0-26.0	1328.2	62.7	975.0	2.70	41.98
26.0-27.0	1283.5	62.8	1037.8	2.70	44.68
27.0-28.0	1234.9	62.5	1100.3	2.69	47.37
28.0-29.0	1183.1	61.9	1162.3	2.67	50.04
29.0-30.0	1129.7	61.0	1223.3	2.63	52.67
30.0-31.0	1074.2	59.8	1283.0	2.57	55.24
31.0-32.0	1016.0	58.2	1341.3	2.51	57.75
32.0-33.0	955.6	56.3	1397.6	2.42	60.17
33.0-34.0	894.8	54.2	1451.7	2.33	62.50
34.0-35.0	837.3	52.0	1503.7	2.24	64.74
35.0-36.0	783.1	49.9	1553.6	2.15	66.89

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	729.1	47.6	1601.2	2.05	68.94
37.0-38.0	677.3	45.2	1646.4	1.95	70.88
38.0-39.0	631.2	43.1	1689.5	1.86	72.74
39.0-40.0	590.0	41.2	1730.6	1.77	74.51
40.0-41.0	551.3	39.3	1769.9	1.69	76.20
41.0-42.0	514.7	37.4	1807.3	1.61	77.81
42.0-43.0	479.9	35.6	1842.8	1.53	79.34
43.0-44.0	446.0	33.7	1876.5	1.45	80.79
44.0-45.0	413.7	31.8	1908.3	1.37	82.16
45.0-46.0	383.3	30.0	1938.3	1.29	83.45
46.0-47.0	353.9	28.2	1966.4	1.21	84.66
47.0-48.0	325.9	26.3	1992.8	1.13	85.80
48.0-49.0	300.1	24.6	2017.4	1.06	86.86
49.0-50.0	276.0	23.0	2040.4	0.99	87.85
50.0-51.0	252.4	21.4	2061.8	0.92	88.77
51.0-52.0	229.3	19.7	2081.5	0.85	89.62
52.0-53.0	207.2	18.0	2099.5	0.78	90.39
53.0-54.0	187.6	16.5	2116.0	0.71	91.10
54.0-55.0	170.4	15.2	2131.3	0.65	91.76
55.0-56.0	155.2	14.0	2145.3	0.60	92.36
56.0-57.0	141.4	12.9	2158.2	0.56	92.92
57.0-58.0	128.7	11.9	2170.1	0.51	93.43
58.0-59.0	117.1	11.0	2181.1	0.47	93.90
59.0-60.0	107.2	10.1	2191.2	0.44	94.34
60.0-61.0	98.8	9.4	2200.6	0.41	94.75
61.0-62.0	91.2	8.8	2209.4	0.38	95.12
62.0-63.0	84.0	8.2	2217.6	0.35	95.48
63.0-64.0	77.2	7.6	2225.2	0.33	95.80
64.0-65.0	70.5	7.0	2232.1	0.30	96.10
65.0-66.0	63.9	6.4	2238.5	0.27	96.38
66.0-67.0	57.5	5.8	2244.3	0.25	96.63
67.0-68.0	51.8	5.2	2249.5	0.23	96.85
68.0-69.0	46.4	4.7	2254.3	0.20	97.06
69.0-70.0	41.2	4.2	2258.5	0.18	97.24
70.0-71.0	36.5	3.8	2262.3	0.16	97.40
71.0-72.0	32.5	3.4	2265.7	0.15	97.55

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	28.9	3.0	2268.7	0.13	97.68
73.0-74.0	25.8	2.7	2271.4	0.12	97.79
74.0-75.0	22.9	2.4	2273.8	0.10	97.90
75.0-76.0	20.2	2.1	2276.0	0.09	97.99
76.0-77.0	17.5	1.9	2277.8	0.08	98.07
77.0-78.0	15.1	1.6	2279.4	0.07	98.14
78.0-79.0	12.9	1.4	2280.8	0.06	98.20
79.0-80.0	11.0	1.2	2282.0	0.05	98.25
80.0-81.0	9.5	1.0	2283.1	0.04	98.29
81.0-82.0	8.2	0.9	2283.9	0.04	98.33
82.0-83.0	7.1	0.8	2284.7	0.03	98.37
83.0-84.0	6.1	0.7	2285.4	0.03	98.39
84.0-85.0	5.4	0.6	2286.0	0.03	98.42
85.0-86.0	4.7	0.5	2286.5	0.02	98.44
86.0-87.0	4.3	0.5	2286.9	0.02	98.46
87.0-88.0	3.9	0.4	2287.4	0.02	98.48
88.0-89.0	3.7	0.4	2287.8	0.02	98.50
89.0-90.0	3.5	0.4	2288.2	0.02	98.51
90.0-91.0	3.4	0.4	2288.5	0.02	98.53
91.0-92.0	3.3	0.4	2288.9	0.02	98.55
92.0-93.0	3.3	0.4	2289.3	0.02	98.56
93.0-94.0	3.3	0.4	2289.6	0.02	98.58
94.0-95.0	3.3	0.4	2290.0	0.02	98.59
95.0-96.0	3.2	0.4	2290.3	0.02	98.61
96.0-97.0	3.2	0.3	2290.7	0.01	98.62
97.0-98.0	3.1	0.3	2291.0	0.01	98.64
98.0-99.0	3.0	0.3	2291.3	0.01	98.65
99.0-100.0	2.9	0.3	2291.6	0.01	98.66
100.0-101.0	2.8	0.3	2292.0	0.01	98.68
101.0-102.0	2.8	0.3	2292.3	0.01	98.69
102.0-103.0	2.7	0.3	2292.5	0.01	98.70
103.0-104.0	2.7	0.3	2292.8	0.01	98.72
104.0-105.0	2.6	0.3	2293.1	0.01	98.73
105.0-106.0	2.6	0.3	2293.4	0.01	98.74
106.0-107.0	2.6	0.3	2293.7	0.01	98.75
107.0-108.0	2.7	0.3	2293.9	0.01	98.76

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	2.8	0.3	2294.2	0.01	98.78
109.0-110.0	2.9	0.3	2294.5	0.01	98.79
110.0-111.0	2.9	0.3	2294.8	0.01	98.80
111.0-112.0	3.0	0.3	2295.1	0.01	98.81
112.0-113.0	3.1	0.3	2295.5	0.01	98.83
113.0-114.0	3.2	0.3	2295.8	0.01	98.84
114.0-115.0	3.4	0.3	2296.1	0.01	98.86
115.0-116.0	3.5	0.3	2296.5	0.01	98.87
116.0-117.0	3.6	0.4	2296.8	0.02	98.89
117.0-118.0	3.7	0.4	2297.2	0.02	98.90
118.0-119.0	3.9	0.4	2297.5	0.02	98.92
119.0-120.0	4.0	0.4	2297.9	0.02	98.94
120.0-121.0	4.2	0.4	2298.3	0.02	98.95
121.0-122.0	4.3	0.4	2298.7	0.02	98.97
122.0-123.0	4.5	0.4	2299.1	0.02	98.99
123.0-124.0	4.6	0.4	2299.6	0.02	99.01
124.0-125.0	4.8	0.4	2300.0	0.02	99.02
125.0-126.0	5.0	0.4	2300.5	0.02	99.04
126.0-127.0	5.2	0.5	2300.9	0.02	99.06
127.0-128.0	5.3	0.5	2301.4	0.02	99.08
128.0-129.0	5.5	0.5	2301.8	0.02	99.10
129.0-130.0	5.7	0.5	2302.3	0.02	99.12
130.0-131.0	5.9	0.5	2302.8	0.02	99.15
131.0-132.0	6.1	0.5	2303.3	0.02	99.17
132.0-133.0	6.3	0.5	2303.8	0.02	99.19
133.0-134.0	6.5	0.5	2304.3	0.02	99.21
134.0-135.0	6.7	0.5	2304.9	0.02	99.23
135.0-136.0	6.9	0.5	2305.4	0.02	99.26
136.0-137.0	7.1	0.5	2305.9	0.02	99.28
137.0-138.0	7.3	0.5	2306.5	0.02	99.30
138.0-139.0	7.5	0.5	2307.0	0.02	99.33
139.0-140.0	7.7	0.5	2307.6	0.02	99.35
140.0-141.0	7.9	0.6	2308.1	0.02	99.37
141.0-142.0	8.1	0.6	2308.7	0.02	99.40
142.0-143.0	8.3	0.6	2309.2	0.02	99.42
143.0-144.0	8.5	0.6	2309.8	0.02	99.45

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	8.7	0.6	2310.3	0.02	99.47
145.0-146.0	8.9	0.6	2310.9	0.02	99.49
146.0-147.0	9.1	0.5	2311.4	0.02	99.52
147.0-148.0	9.3	0.5	2312.0	0.02	99.54
148.0-149.0	9.4	0.5	2312.5	0.02	99.56
149.0-150.0	9.6	0.5	2313.1	0.02	99.59
150.0-151.0	9.8	0.5	2313.6	0.02	99.61
151.0-152.0	10.0	0.5	2314.1	0.02	99.63
152.0-153.0	10.2	0.5	2314.6	0.02	99.65
153.0-154.0	10.3	0.5	2315.1	0.02	99.68
154.0-155.0	10.5	0.5	2315.6	0.02	99.70
155.0-156.0	10.7	0.5	2316.1	0.02	99.72
156.0-157.0	10.9	0.5	2316.6	0.02	99.74
157.0-158.0	11.0	0.5	2317.1	0.02	99.76
158.0-159.0	11.2	0.5	2317.5	0.02	99.78
159.0-160.0	11.4	0.4	2317.9	0.02	99.80
160.0-161.0	11.5	0.4	2318.4	0.02	99.81
161.0-162.0	11.7	0.4	2318.8	0.02	99.83
162.0-163.0	11.8	0.4	2319.2	0.02	99.85
163.0-164.0	12.0	0.4	2319.5	0.02	99.87
164.0-165.0	12.2	0.4	2319.9	0.02	99.88
165.0-166.0	12.3	0.3	2320.2	0.01	99.90
166.0-167.0	12.5	0.3	2320.5	0.01	99.91
167.0-168.0	12.6	0.3	2320.8	0.01	99.92
168.0-169.0	12.8	0.3	2321.1	0.01	99.93
169.0-170.0	13.0	0.3	2321.4	0.01	99.94
170.0-171.0	13.1	0.2	2321.6	0.01	99.96
171.0-172.0	13.2	0.2	2321.8	0.01	99.96
172.0-173.0	13.3	0.2	2322.0	0.01	99.97
173.0-174.0	13.4	0.2	2322.2	0.01	99.98
174.0-175.0	13.5	0.1	2322.3	0.01	99.99
175.0-176.0	13.6	0.1	2322.5	0.01	99.99
176.0-177.0	13.7	0.1	2322.5	0.00	99.99
177.0-178.0	13.8	0.1	2322.6	0.00	100.00
178.0-179.0	13.8	0.0	2322.7	0.00	100.00
179.0-180.0	13.8	0.0	2322.7	0.00	100.00

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

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