GENLED Brands
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Report No.: 20230310 **Test Time: 2023/3/13 15:51**

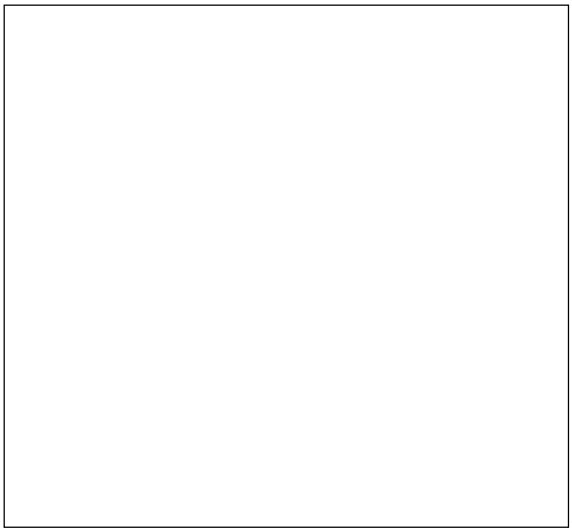
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Acolyte
Luminaire Description: Scroll 80S pendants fixture Static White 0.6A
Lamp Catalog: 2 ROWS **Luminous Length (mm): 300**
Luminous Width (mm): 80 **Luminous Height (mm): 30**
Voltage: 34.2 V **Current: 0.600 A**
Power: 20.54 W **Power Factor: 1.000**

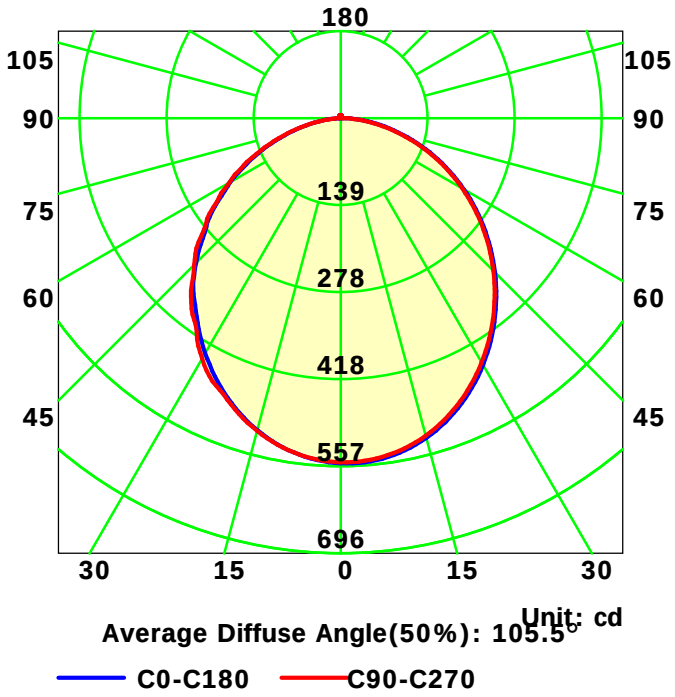
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 1478.3 lm**
Measurement Flux: 1478.3 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H159.6,H105.3
Vertical Diffuse Angle(10%,50%): V159.3,V105.6
Luminaire Efficacy Rating (LER): 72 **Central Intensity: 552.61 cd**
Max. Intensity: 553.06 cd **Pos of Max. Intensity: H0 V2**

Picture Of Luminaire

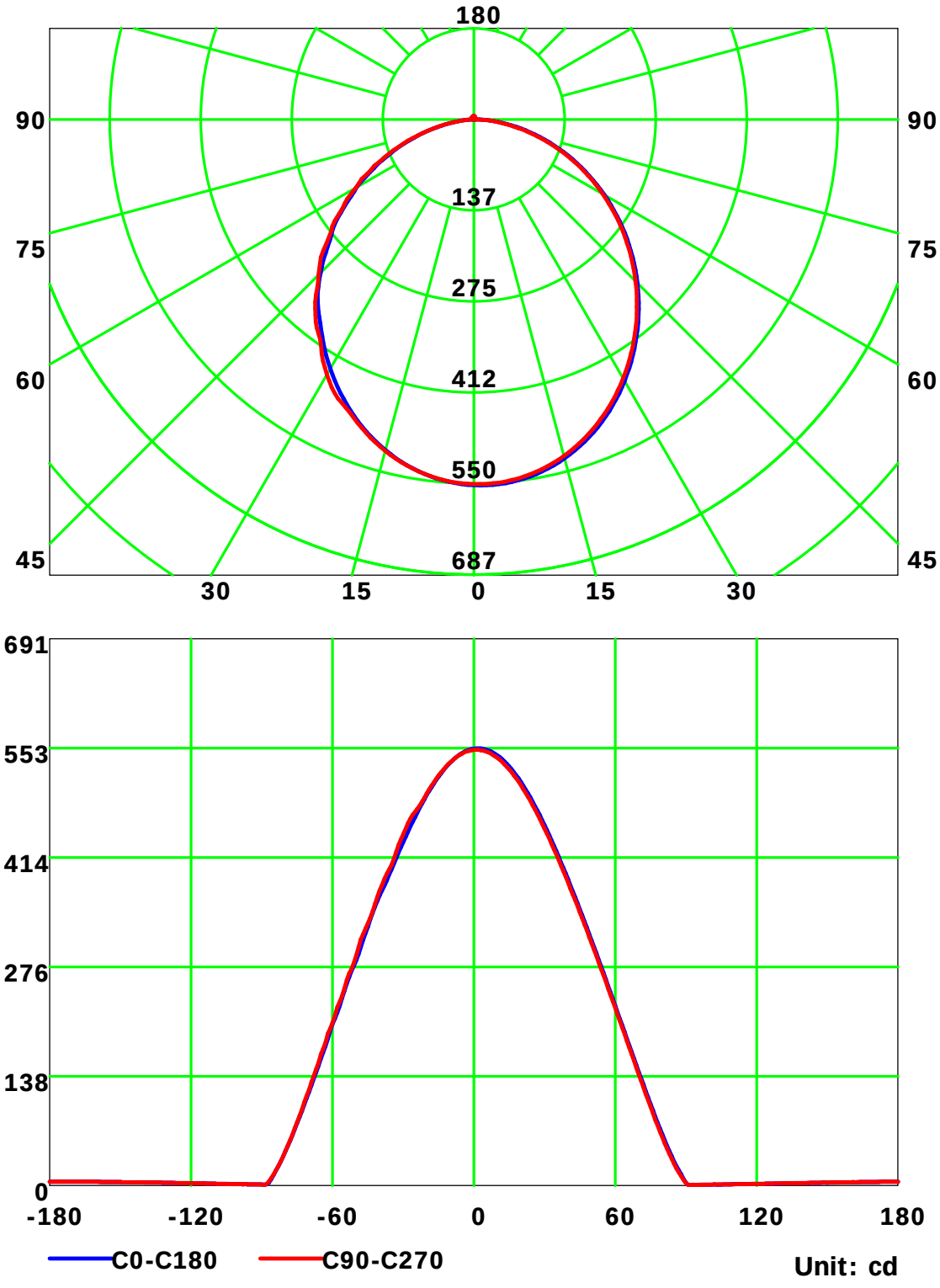


Luminous Intensity Distribution Curve



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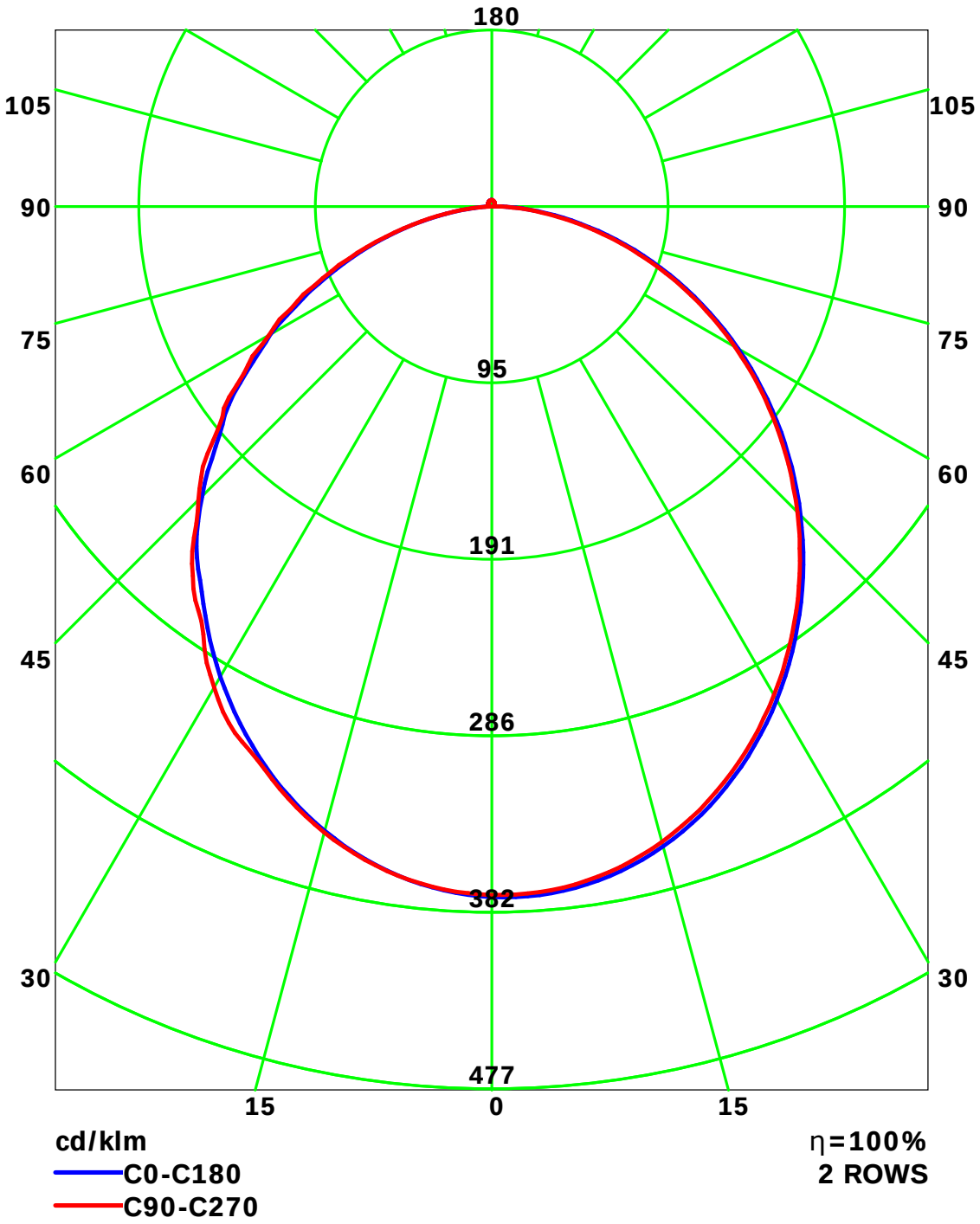
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

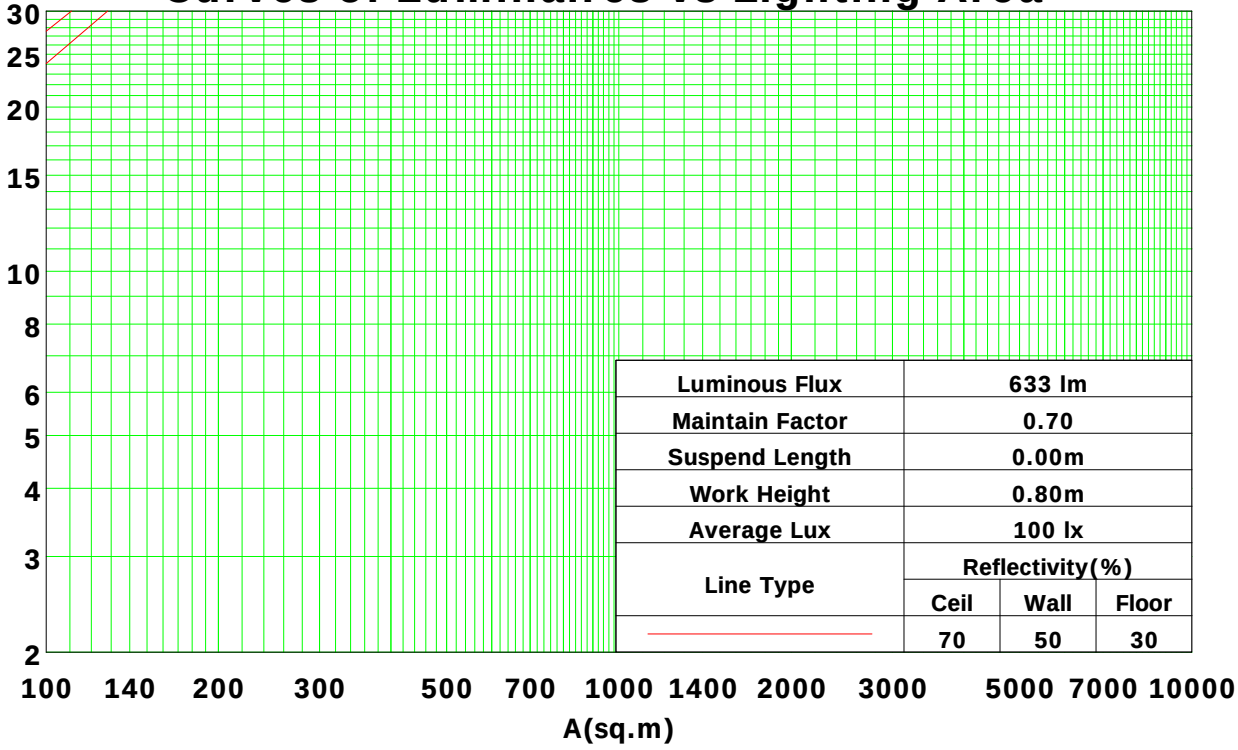
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	83	77	85	80	75	82	77	73	78	75	72	69
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	69	65	61	59
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	48	74	62	54	48	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

Spacing Criteria (0-180): 1.20
Spacing Criteria (90-270): 1.21
Spacing Criteria (Diagonal): 1.32

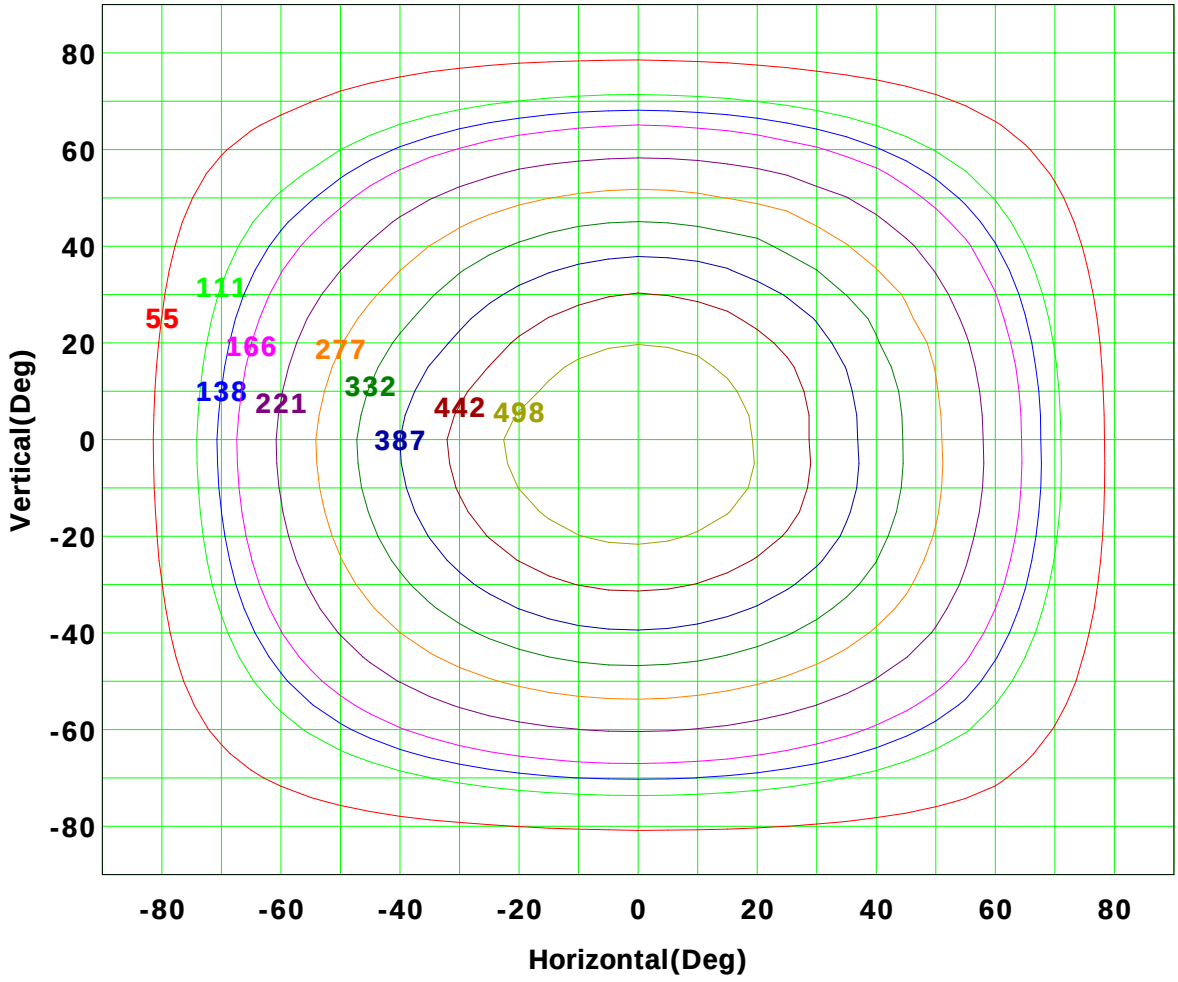
Curves of Luminaires vs Lighting Area



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)



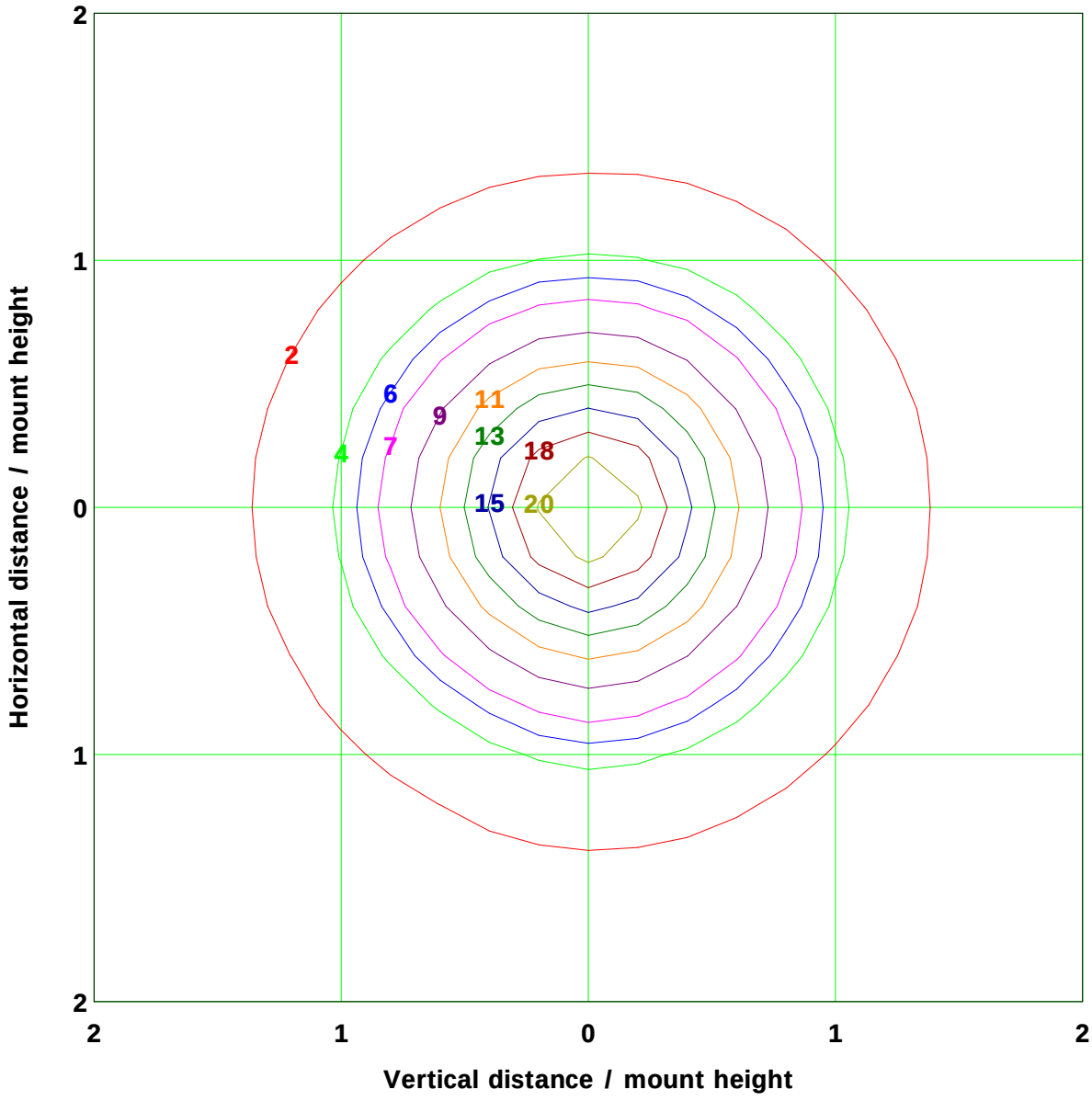
Imax (100%): 553 cd

(10%): 55 cd	(20%): 111 cd
(25%): 138 cd	(30%): 166 cd
(40%): 221 cd	(50%): 277 cd
(60%): 332 cd	(70%): 387 cd
(80%): 442 cd	(90%): 498 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%): 22.1 lx

(10%): 2.2 lx	(20%): 4.4 lx
(25%): 5.5 lx	(30%): 6.6 lx
(40%): 8.8 lx	(50%): 11.1 lx
(60%): 13.3 lx	(70%): 15.5 lx
(80%): 17.7 lx	(90%): 19.9 lx

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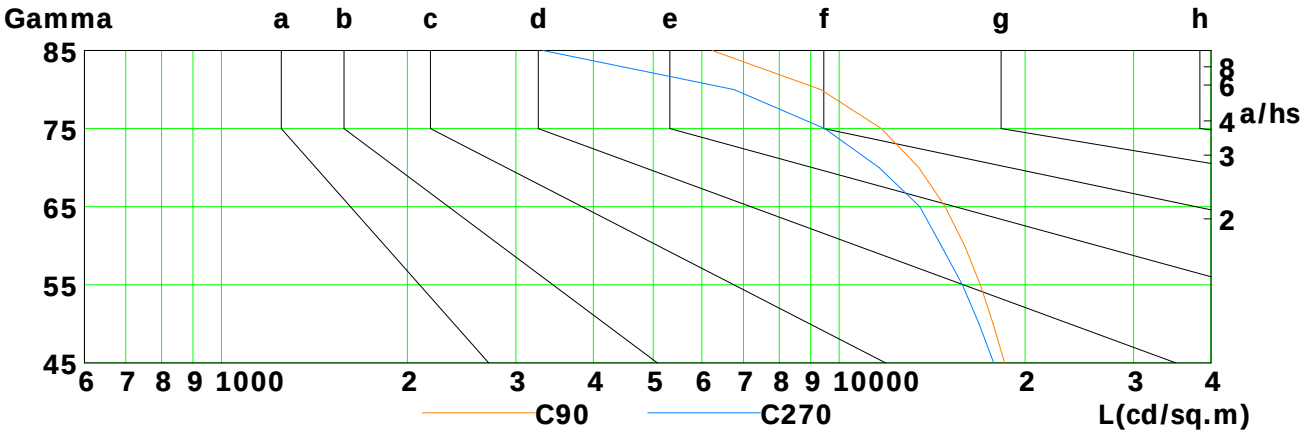
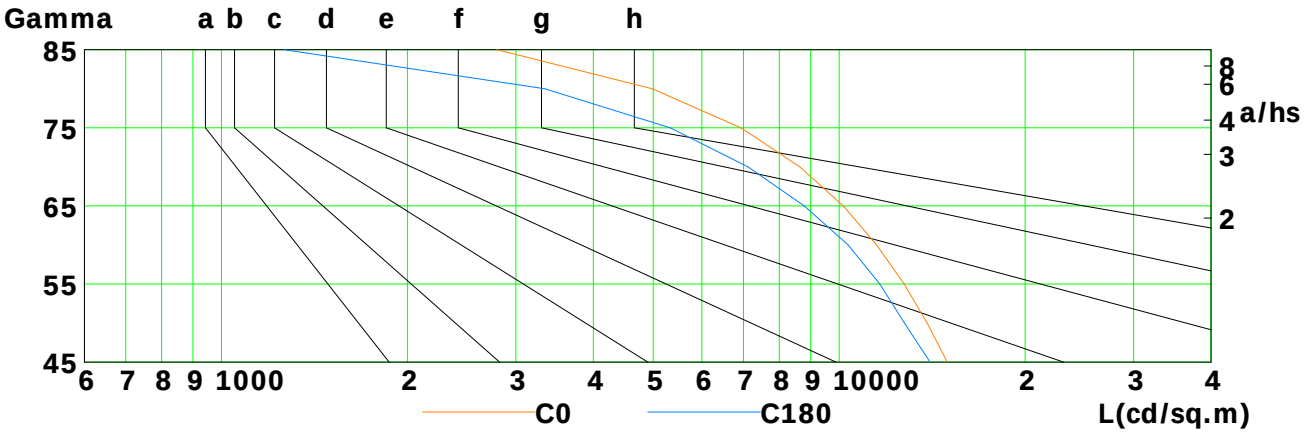
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



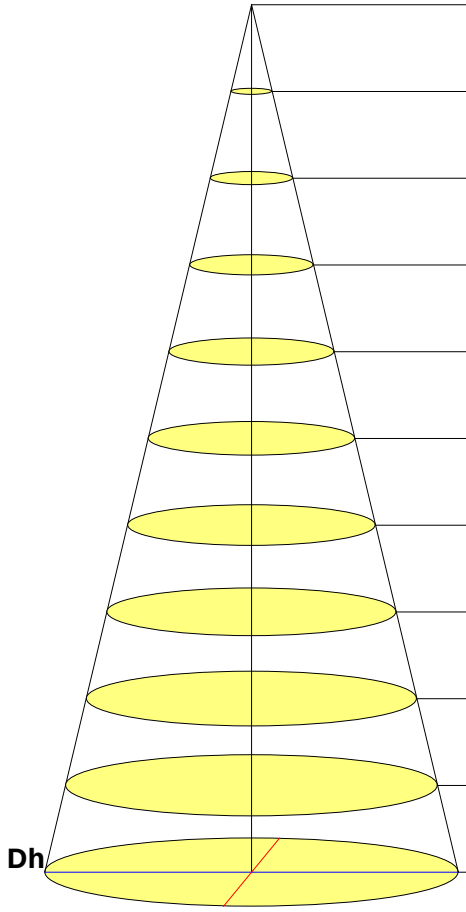


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	14980	13887	12746	11508	10156	8640	6939	4982	2795
C90	18531	17767	16933	15974	14857	13472	11708	9340	6233
C180	14045	12758	11636	10339	8788	7125	5328	3337	1263
C270	17805	16850	15838	14640	13507	11613	9487	6760	3315

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



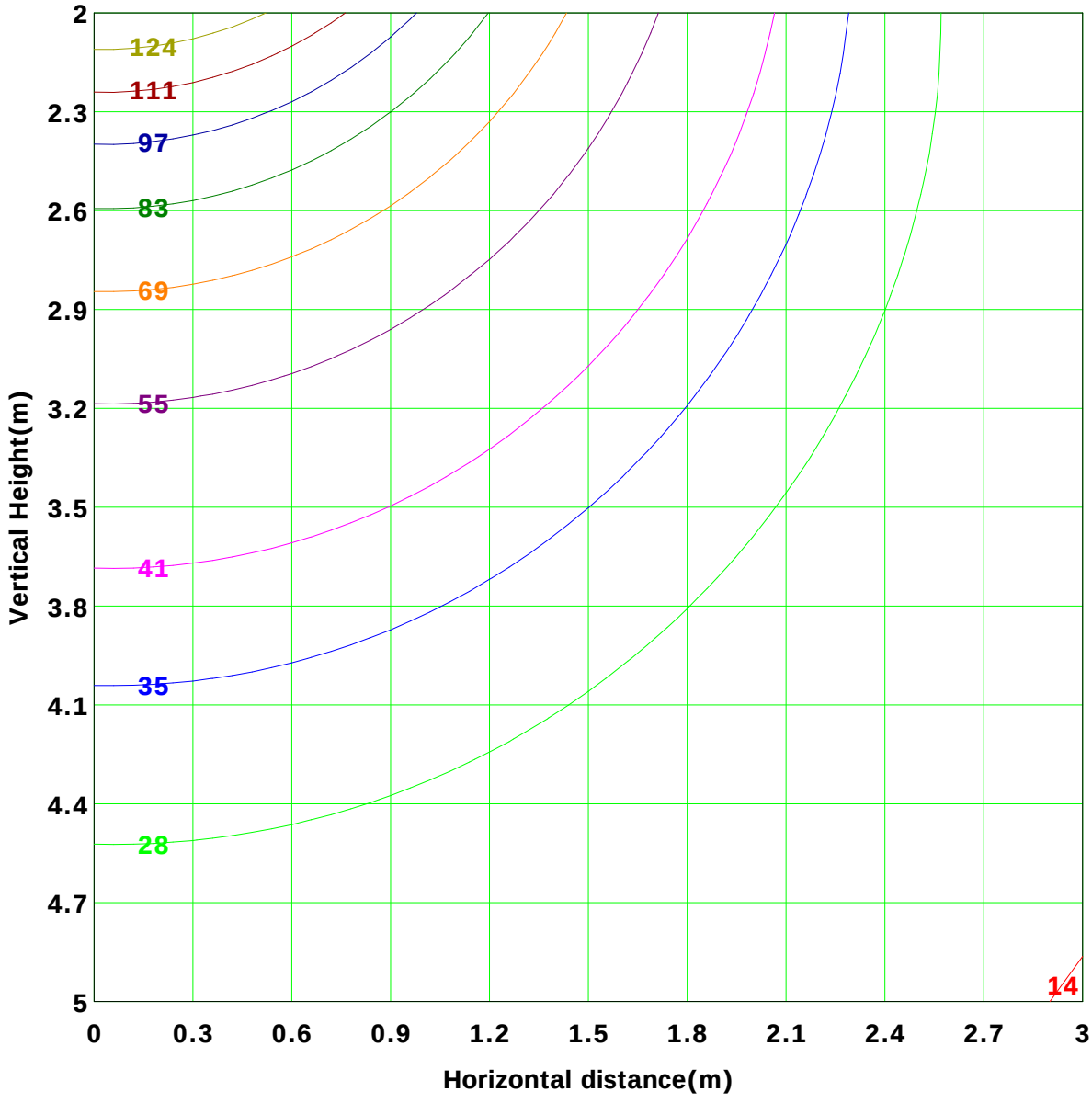
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	552.61	2.62/2.63	5.4	104.91
2.0	138.15	5.24/5.27	21.7	26.23
3.0	61.40	7.87/7.90	48.8	11.66
4.0	34.54	10.49/10.54	86.8	6.56
5.0	22.10	13.11/13.17	135.6	4.20
6.0	15.35	15.73/15.81	195.3	2.91
7.0	11.28	18.36/18.44	265.9	2.14
8.0	8.63	20.98/21.08	347.2	1.64
9.0	6.82	23.60/23.71	439.5	1.30
10.0	5.53	26.22/26.35	542.6	1.05

Beam Angle(B): H105.3 V105.6 Field Angle(F): H159.6 V159.3

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: 138.2 lx

(10%): 13.8 lx	(20%): 27.6 lx
(25%): 34.5 lx	(30%): 41.4 lx
(40%): 55.3 lx	(50%): 69.1 lx
(60%): 82.9 lx	(70%): 96.7 lx
(80%): 110.5 lx	(90%): 124.3 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:

Area Flux Table

Unit: lm

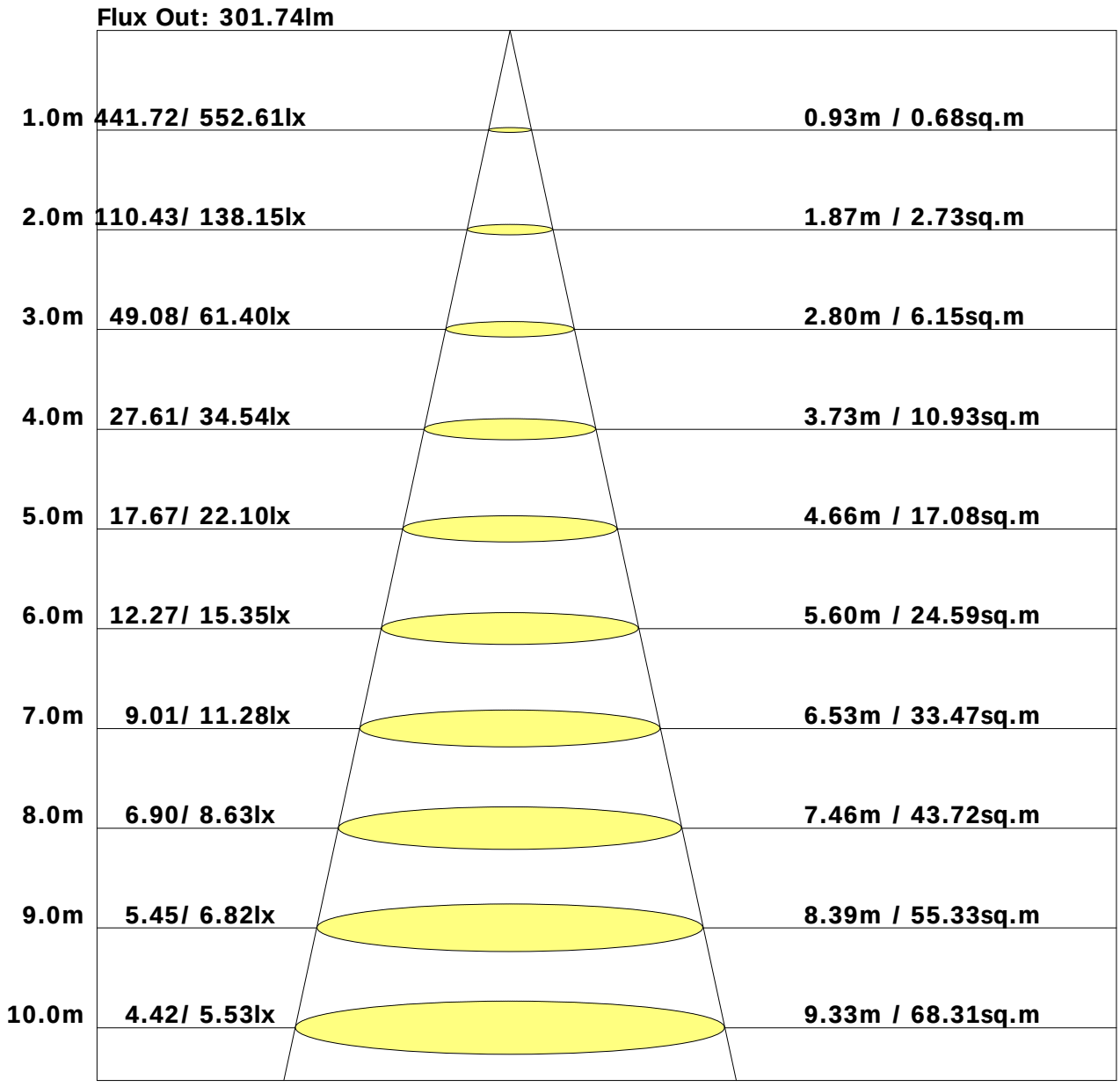
Vertical plane

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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
-80	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.5	0.5	0.3	0.2	0.1	0.0	0.0	7.0	4.8
-70	0.1	0.3	0.6	0.9	1.3	1.6	1.8	2.0	2.1	2.1	2.1	1.9	1.7	1.4	1.1	0.8	0.5	0.2	0.0	22.4	20.8
-60	0.1	0.6	1.3	2.0	2.7	3.3	3.8	4.1	4.3	4.3	4.2	3.9	3.5	3.0	2.3	1.6	0.9	0.3	0.0	46.2	44.7
-50	0.2	1.0	2.1	3.3	4.4	5.4	6.2	6.7	7.0	7.1	6.9	6.4	5.7	4.8	3.7	2.6	1.4	0.5	0.0	75.4	73.9
-40	0.3	1.4	3.0	4.7	6.3	7.7	8.8	9.6	10.0	10.0	9.8	9.1	8.0	6.6	5.1	3.5	2.0	0.6	0.0	106.5	105.0
-30	0.4	1.9	3.9	6.0	8.0	9.8	11.2	12.3	12.8	12.9	12.5	11.5	10.1	8.3	6.4	4.4	2.5	0.7	0.0	135.6	134.1
-20	0.5	2.2	4.6	7.0	9.3	11.4	13.2	14.4	15.1	15.2	14.6	13.4	11.7	9.7	7.4	5.1	2.8	0.8	0.0	158.4	156.9
-10	0.5	2.4	5.0	7.5	10.0	12.3	14.2	15.6	16.4	16.5	15.8	14.4	12.6	10.4	8.0	5.5	3.0	0.9	0.0	171.0	169.4
0	0.5	2.5	4.9	7.5	10.0	12.2	14.1	15.5	16.4	16.5	15.8	14.5	12.6	10.4	8.0	5.5	3.0	0.9	0.0	171.0	169.5
10	0.5	2.3	4.6	6.9	9.2	11.3	13.0	14.3	15.2	15.4	14.7	13.5	11.8	9.7	7.5	5.2	2.8	0.8	0.0	158.8	157.2
20	0.4	2.0	3.9	6.0	7.9	9.6	11.1	12.2	13.1	13.3	12.7	11.6	10.2	8.5	6.5	4.5	2.4	0.7	0.0	136.6	135.1
30	0.3	1.5	3.1	4.7	6.2	7.6	8.7	9.7	10.3	10.5	10.0	9.2	8.1	6.8	5.2	3.6	1.9	0.6	0.0	108.0	106.5
40	0.2	1.1	2.2	3.3	4.4	5.4	6.2	6.9	7.4	7.5	7.2	6.6	5.9	4.9	3.8	2.6	1.4	0.4	0.0	77.3	75.8
50	0.1	0.6	1.3	2.0	2.7	3.4	3.9	4.4	4.6	4.7	4.5	4.2	3.7	3.1	2.4	1.6	0.9	0.3	0.0	48.6	47.1
60	0.1	0.3	0.7	1.1	1.4	1.8	2.0	2.2	2.4	2.4	2.3	2.1	1.9	1.6	1.2	0.8	0.5	0.2	0.0	25.1	23.5
70	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	9.0	7.3
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3	0.1
90	4.2	20.4	41.6	63.6	84.8	103.8	119.9	131.7	138.7	140.0	134.8	124.0	108.7	90.3	69.8	48.0	26.5	8.1	0.0	1459	
Flux(T)	0.0	14.4	40.1	62.9	84.4	103.5	119.6	131.5	138.5	139.8	134.6	123.8	108.5	90.0	69.2	47.1	23.3	0.5			
Flux(E)	1432																				

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 Lab:
Test Type: TYPE C
Temperature: 25
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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	19.9	21.5	20.3	21.8	22.2	19.4	21.0	19.8	21.3	21.7
3H	21.6	23.1	22.0	23.4	23.8	20.9	22.3	21.3	22.7	23.1
4H	22.3	23.6	22.7	24.0	24.4	21.4	22.8	21.8	23.1	23.6
6H	22.7	24.0	23.2	24.4	24.8	21.7	23.0	22.2	23.4	23.8
8H	22.9	24.1	23.3	24.5	24.9	21.8	23.0	22.3	23.4	23.9
12H	23.0	24.1	23.4	24.5	25.0	21.9	23.0	22.3	23.4	23.9
X=4H Y=2H	20.3	21.7	20.7	22.1	22.5	20.0	21.3	20.4	21.7	22.1
3H	22.2	23.4	22.7	23.8	24.2	21.7	22.8	22.1	23.2	23.7
4H	23.0	24.0	23.4	24.4	24.9	22.3	23.3	22.8	23.8	24.2
6H	23.5	24.4	24.0	24.9	25.4	22.7	23.6	23.2	24.1	24.6
8H	23.7	24.5	24.2	25.0	25.5	22.8	23.7	23.3	24.1	24.6
12H	23.8	24.6	24.3	25.1	25.6	22.9	23.6	23.4	24.1	24.6
X=8H Y=4H	23.1	24.0	23.6	24.4	24.9	22.6	23.4	23.1	23.9	24.4
6H	23.7	24.4	24.3	24.9	25.5	23.1	23.8	23.6	24.3	24.8
8H	24.0	24.6	24.5	25.1	25.6	23.2	23.8	23.8	24.4	24.9
12H	24.1	24.7	24.7	25.2	25.8	23.3	23.9	23.9	24.4	25.0
X=12H Y=4H	23.1	23.9	23.6	24.4	24.9	22.6	23.3	23.1	23.8	24.3
6H	23.8	24.4	24.3	24.9	25.4	23.1	23.7	23.7	24.2	24.8
8H	24.0	24.5	24.5	25.1	25.7	23.3	23.9	23.8	24.4	25.0

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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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	0.57	0.68	0.75	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.50	0.60	0.68	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.44	0.54	0.62	0.68	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.54	0.63	0.70	0.75	0.81	0.85	0.88	0.92	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.89	0.92
	0.20		0.43	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.41	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85

Rating:21W 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
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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:

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	0.98	0.81	0.69	0.60	0.48	0.40	0.34	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.70	0.60	0.53	0.48	0.39	0.34	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.66	0.57	0.46	0.41	0.32	0.25	0.20
	0.30		0.80	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.19
0.30	0.50	0.20	0.91	0.74	0.63	0.55	0.43	0.36	0.31	0.24	0.19
	0.30		0.78	0.65	0.56	0.50	0.40	0.34	0.29	0.23	0.19
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.22	0.18
0.00	0.00	0.00	0.58	0.48	0.42	0.37	0.30	0.25	0.21	0.17	0.14

Rating:21W 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	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.20
	0.20		0.06	0.08	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		0.11	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	0.16	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	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		0.06	0.07	0.09	0.10	0.12	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:21W 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	551.2	0.5	0.5	0.04	0.04
1.0-2.0	551.0	1.6	2.1	0.11	0.14
2.0-3.0	550.5	2.6	4.7	0.18	0.32
3.0-4.0	549.7	3.7	8.4	0.25	0.57
4.0-5.0	548.7	4.7	13.1	0.32	0.89
5.0-6.0	547.4	5.8	18.9	0.39	1.28
6.0-7.0	545.8	6.8	25.7	0.46	1.74
7.0-8.0	544.0	7.8	33.5	0.53	2.26
8.0-9.0	541.9	8.8	42.2	0.59	2.86
9.0-10.0	539.6	9.8	52.0	0.66	3.52
10.0-11.0	537.0	10.7	62.7	0.73	4.24
11.0-12.0	534.2	11.7	74.4	0.79	5.03
12.0-13.0	531.2	12.6	87.0	0.85	5.89
13.0-14.0	527.9	13.5	100.5	0.91	6.80
14.0-15.0	524.3	14.4	114.9	0.97	7.77
15.0-16.0	520.6	15.3	130.2	1.03	8.81
16.0-17.0	516.6	16.1	146.3	1.09	9.89
17.0-18.0	512.4	16.9	163.2	1.14	11.04
18.0-19.0	508.0	17.7	180.9	1.20	12.23
19.0-20.0	503.5	18.4	199.3	1.25	13.48
20.0-21.0	498.8	19.2	218.4	1.30	14.78
21.0-22.0	493.9	19.9	238.3	1.34	16.12
22.0-23.0	489.0	20.5	258.8	1.39	17.51
23.0-24.0	483.9	21.2	280.0	1.43	18.94
24.0-25.0	478.8	21.8	301.7	1.47	20.41
25.0-26.0	473.6	22.4	324.1	1.51	21.92
26.0-27.0	468.0	22.9	347.0	1.55	23.47
27.0-28.0	462.0	23.4	370.4	1.58	25.05
28.0-29.0	455.8	23.8	394.2	1.61	26.67
29.0-30.0	449.2	24.3	418.5	1.64	28.31
30.0-31.0	442.5	24.6	443.1	1.67	29.97
31.0-32.0	435.8	25.0	468.1	1.69	31.66
32.0-33.0	429.1	25.3	493.4	1.71	33.37
33.0-34.0	422.1	25.5	518.9	1.73	35.10
34.0-35.0	415.0	25.8	544.7	1.74	36.85
35.0-36.0	408.3	26.0	570.7	1.76	38.60

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	401.5	26.2	596.9	1.77	40.38
37.0-38.0	394.5	26.3	623.2	1.78	42.16
38.0-39.0	387.3	26.4	649.7	1.79	43.95
39.0-40.0	379.9	26.5	676.2	1.79	45.74
40.0-41.0	372.5	26.5	702.7	1.79	47.53
41.0-42.0	365.0	26.5	729.2	1.79	49.33
42.0-43.0	357.4	26.5	755.7	1.79	51.12
43.0-44.0	349.6	26.4	782.1	1.79	52.90
44.0-45.0	341.7	26.3	808.4	1.78	54.68
45.0-46.0	334.0	26.1	834.5	1.77	56.45
46.0-47.0	326.1	25.9	860.4	1.75	58.20
47.0-48.0	318.1	25.7	886.1	1.74	59.94
48.0-49.0	310.2	25.5	911.6	1.72	61.67
49.0-50.0	302.1	25.2	936.8	1.70	63.37
50.0-51.0	293.4	24.8	961.6	1.68	65.05
51.0-52.0	285.2	24.5	986.1	1.66	66.70
52.0-53.0	277.6	24.2	1010.3	1.63	68.34
53.0-54.0	269.8	23.8	1034.1	1.61	69.95
54.0-55.0	261.2	23.3	1057.4	1.58	71.52
55.0-56.0	252.4	22.8	1080.2	1.54	73.07
56.0-57.0	244.1	22.3	1102.5	1.51	74.58
57.0-58.0	236.3	21.9	1124.4	1.48	76.06
58.0-59.0	227.7	21.3	1145.7	1.44	77.50
59.0-60.0	218.9	20.7	1166.3	1.40	78.90
60.0-61.0	210.9	20.1	1186.5	1.36	80.26
61.0-62.0	202.7	19.5	1206.0	1.32	81.58
62.0-63.0	193.9	18.9	1224.9	1.28	82.85
63.0-64.0	185.5	18.2	1243.1	1.23	84.09
64.0-65.0	177.2	17.5	1260.6	1.19	85.27
65.0-66.0	168.7	16.8	1277.4	1.14	86.41
66.0-67.0	160.2	16.1	1293.6	1.09	87.50
67.0-68.0	151.8	15.4	1308.9	1.04	88.54
68.0-69.0	143.4	14.6	1323.6	0.99	89.53
69.0-70.0	135.1	13.9	1337.4	0.94	90.47
70.0-71.0	126.8	13.1	1350.6	0.89	91.36
71.0-72.0	118.6	12.3	1362.9	0.83	92.19

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	110.4	11.6	1374.4	0.78	92.97
73.0-74.0	102.3	10.8	1385.2	0.73	93.70
74.0-75.0	94.4	10.0	1395.2	0.67	94.37
75.0-76.0	86.5	9.2	1404.4	0.62	95.00
76.0-77.0	78.7	8.4	1412.8	0.57	95.56
77.0-78.0	71.2	7.6	1420.4	0.52	96.08
78.0-79.0	63.8	6.9	1427.2	0.46	96.54
79.0-80.0	56.5	6.1	1433.3	0.41	96.95
80.0-81.0	49.5	5.4	1438.7	0.36	97.32
81.0-82.0	42.8	4.6	1443.3	0.31	97.63
82.0-83.0	36.3	3.9	1447.3	0.27	97.90
83.0-84.0	30.2	3.3	1450.5	0.22	98.12
84.0-85.0	24.4	2.7	1453.2	0.18	98.30
85.0-86.0	18.9	2.1	1455.3	0.14	98.44
86.0-87.0	13.8	1.5	1456.8	0.10	98.54
87.0-88.0	9.3	1.0	1457.8	0.07	98.61
88.0-89.0	6.0	0.7	1458.5	0.04	98.66
89.0-90.0	3.7	0.4	1458.9	0.03	98.68
90.0-91.0	2.1	0.2	1459.1	0.02	98.70
91.0-92.0	1.5	0.2	1459.3	0.01	98.71
92.0-93.0	1.5	0.2	1459.4	0.01	98.72
93.0-94.0	1.6	0.2	1459.6	0.01	98.73
94.0-95.0	1.6	0.2	1459.8	0.01	98.75
95.0-96.0	1.7	0.2	1460.0	0.01	98.76
96.0-97.0	1.7	0.2	1460.2	0.01	98.77
97.0-98.0	1.7	0.2	1460.3	0.01	98.78
98.0-99.0	1.8	0.2	1460.5	0.01	98.80
99.0-100.0	1.9	0.2	1460.7	0.01	98.81
100.0-101.0	1.9	0.2	1460.9	0.01	98.82
101.0-102.0	2.0	0.2	1461.2	0.01	98.84
102.0-103.0	2.0	0.2	1461.4	0.01	98.85
103.0-104.0	2.1	0.2	1461.6	0.01	98.87
104.0-105.0	2.1	0.2	1461.8	0.02	98.88
105.0-106.0	2.2	0.2	1462.0	0.02	98.90
106.0-107.0	2.2	0.2	1462.3	0.02	98.91
107.0-108.0	2.3	0.2	1462.5	0.02	98.93

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	2.3	0.2	1462.8	0.02	98.95
109.0-110.0	2.4	0.2	1463.0	0.02	98.96
110.0-111.0	2.5	0.3	1463.3	0.02	98.98
111.0-112.0	2.5	0.3	1463.5	0.02	99.00
112.0-113.0	2.6	0.3	1463.8	0.02	99.02
113.0-114.0	2.6	0.3	1464.0	0.02	99.03
114.0-115.0	2.7	0.3	1464.3	0.02	99.05
115.0-116.0	2.7	0.3	1464.6	0.02	99.07
116.0-117.0	2.8	0.3	1464.9	0.02	99.09
117.0-118.0	2.9	0.3	1465.1	0.02	99.11
118.0-119.0	2.9	0.3	1465.4	0.02	99.13
119.0-120.0	2.9	0.3	1465.7	0.02	99.14
120.0-121.0	3.0	0.3	1466.0	0.02	99.16
121.0-122.0	3.1	0.3	1466.3	0.02	99.18
122.0-123.0	3.1	0.3	1466.6	0.02	99.20
123.0-124.0	3.2	0.3	1466.8	0.02	99.22
124.0-125.0	3.2	0.3	1467.1	0.02	99.24
125.0-126.0	3.3	0.3	1467.4	0.02	99.26
126.0-127.0	3.4	0.3	1467.7	0.02	99.28
127.0-128.0	3.4	0.3	1468.0	0.02	99.30
128.0-129.0	3.5	0.3	1468.3	0.02	99.32
129.0-130.0	3.5	0.3	1468.6	0.02	99.34
130.0-131.0	3.6	0.3	1468.9	0.02	99.36
131.0-132.0	3.6	0.3	1469.2	0.02	99.38
132.0-133.0	3.7	0.3	1469.5	0.02	99.40
133.0-134.0	3.7	0.3	1469.8	0.02	99.42
134.0-135.0	3.8	0.3	1470.1	0.02	99.44
135.0-136.0	3.8	0.3	1470.4	0.02	99.46
136.0-137.0	3.9	0.3	1470.7	0.02	99.48
137.0-138.0	4.0	0.3	1471.0	0.02	99.50
138.0-139.0	4.0	0.3	1471.3	0.02	99.52
139.0-140.0	4.0	0.3	1471.6	0.02	99.54
140.0-141.0	4.1	0.3	1471.9	0.02	99.56
141.0-142.0	4.1	0.3	1472.1	0.02	99.58
142.0-143.0	4.2	0.3	1472.4	0.02	99.60
143.0-144.0	4.2	0.3	1472.7	0.02	99.62

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	4.3	0.3	1473.0	0.02	99.64
145.0-146.0	4.3	0.3	1473.2	0.02	99.65
146.0-147.0	4.4	0.3	1473.5	0.02	99.67
147.0-148.0	4.4	0.3	1473.8	0.02	99.69
148.0-149.0	4.4	0.3	1474.0	0.02	99.71
149.0-150.0	4.5	0.2	1474.3	0.02	99.72
150.0-151.0	4.5	0.2	1474.5	0.02	99.74
151.0-152.0	4.6	0.2	1474.7	0.02	99.76
152.0-153.0	4.6	0.2	1475.0	0.02	99.77
153.0-154.0	4.7	0.2	1475.2	0.02	99.79
154.0-155.0	4.7	0.2	1475.4	0.01	99.80
155.0-156.0	4.7	0.2	1475.6	0.01	99.82
156.0-157.0	4.8	0.2	1475.8	0.01	99.83
157.0-158.0	4.8	0.2	1476.0	0.01	99.84
158.0-159.0	4.8	0.2	1476.2	0.01	99.86
159.0-160.0	4.9	0.2	1476.4	0.01	99.87
160.0-161.0	4.9	0.2	1476.6	0.01	99.88
161.0-162.0	4.9	0.2	1476.8	0.01	99.89
162.0-163.0	5.0	0.2	1476.9	0.01	99.90
163.0-164.0	5.0	0.2	1477.1	0.01	99.92
164.0-165.0	5.0	0.1	1477.2	0.01	99.93
165.0-166.0	5.0	0.1	1477.4	0.01	99.93
166.0-167.0	5.1	0.1	1477.5	0.01	99.94
167.0-168.0	5.1	0.1	1477.6	0.01	99.95
168.0-169.0	5.1	0.1	1477.7	0.01	99.96
169.0-170.0	5.2	0.1	1477.8	0.01	99.97
170.0-171.0	5.2	0.1	1477.9	0.01	99.97
171.0-172.0	5.2	0.1	1478.0	0.01	99.98
172.0-173.0	5.2	0.1	1478.1	0.01	99.98
173.0-174.0	5.3	0.1	1478.2	0.00	99.99
174.0-175.0	5.3	0.1	1478.2	0.00	99.99
175.0-176.0	5.3	0.0	1478.3	0.00	99.99
176.0-177.0	5.3	0.0	1478.3	0.00	100.00
177.0-178.0	5.3	0.0	1478.3	0.00	100.00
178.0-179.0	5.3	0.0	1478.3	0.00	100.00
179.0-180.0	5.3	0.0	1478.3	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: