

Report No.:

Test Time: 2022/6/17 15:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Curved pendants CS80 VW D-rows flex 2 ROW

Luminaire Description: Curved pendants CS80 VW D-rows flex 2 ROW

Lamp Catalog: 2400K

Number of Lamps: 1

Luminous Length (mm): 300

Luminous Width (mm): 80

Luminous Height (mm): 30

Voltage: 23.5 V

Current: 0.342 A

Power: 8.03 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 301.3 lm

Measurement Flux: 301.3 lm

Efficiency: 100%

Downward Ratio: 99%

Upward Ratio: 1%

Horizontal Diffuse Angle(10%,50%): H158.1,H104.2

Vertical Diffuse Angle(10%,50%): V158.5,V103.9

Luminaire Efficacy Rating (LER): 38

Central Intensity: 115.74 cd

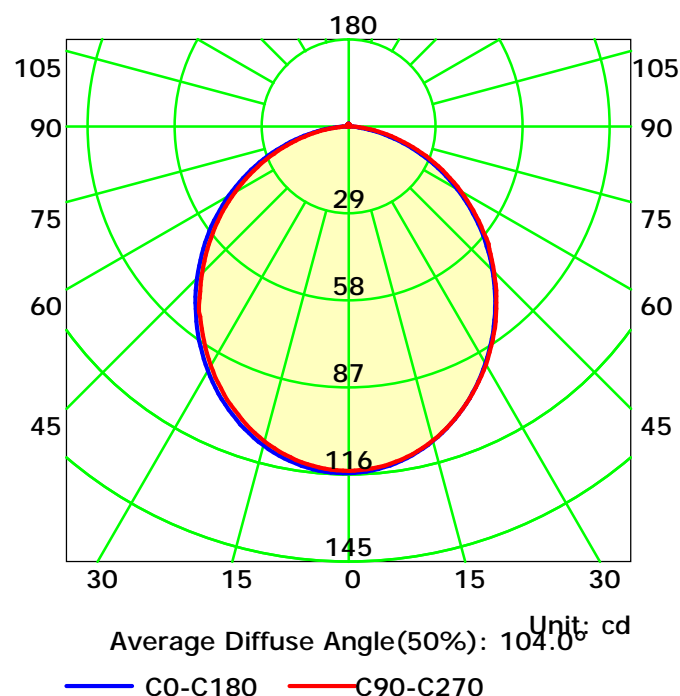
Max. Intensity: 115.77 cd

Pos of Max. Intensity: H180 V1

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

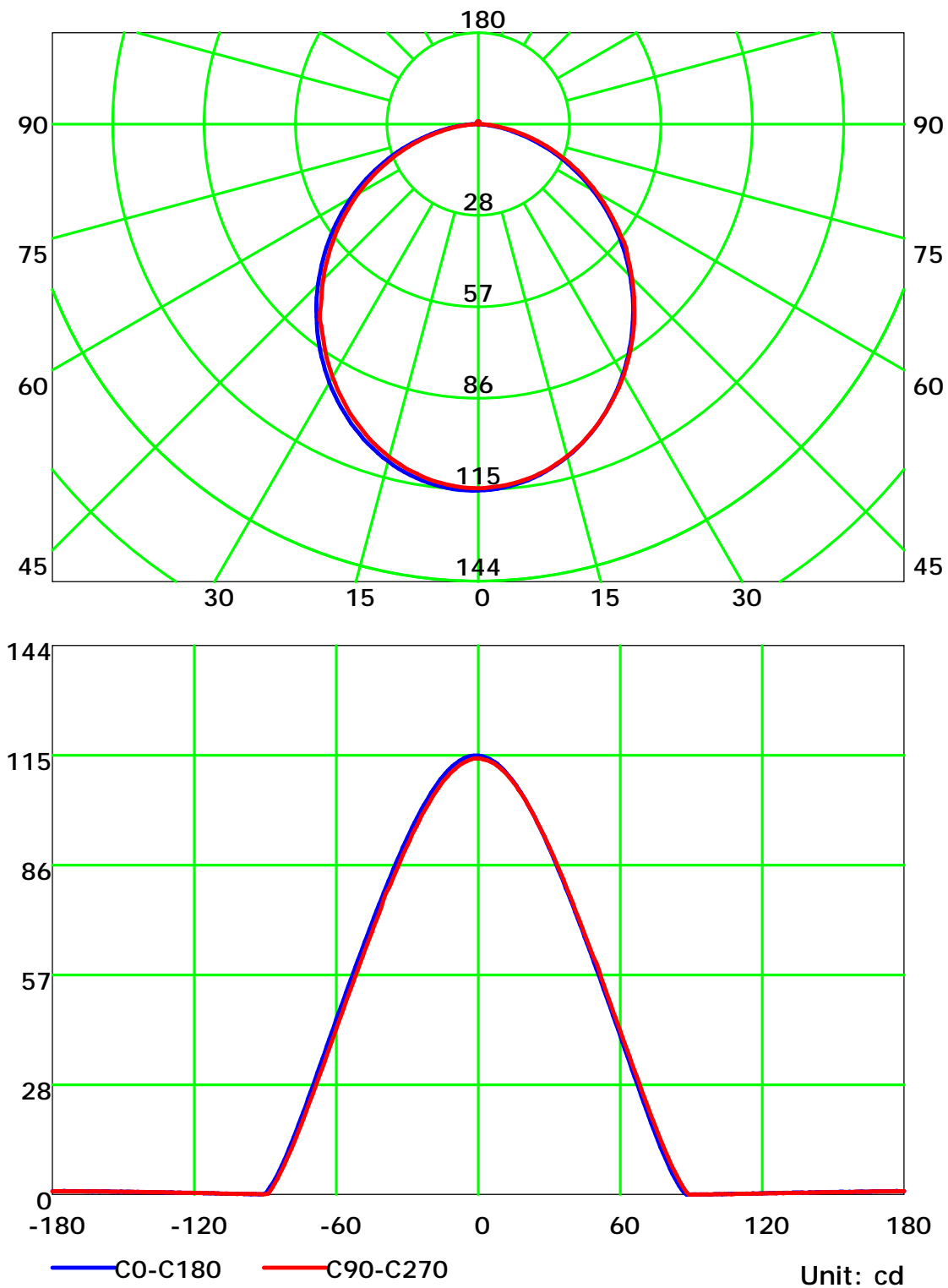
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

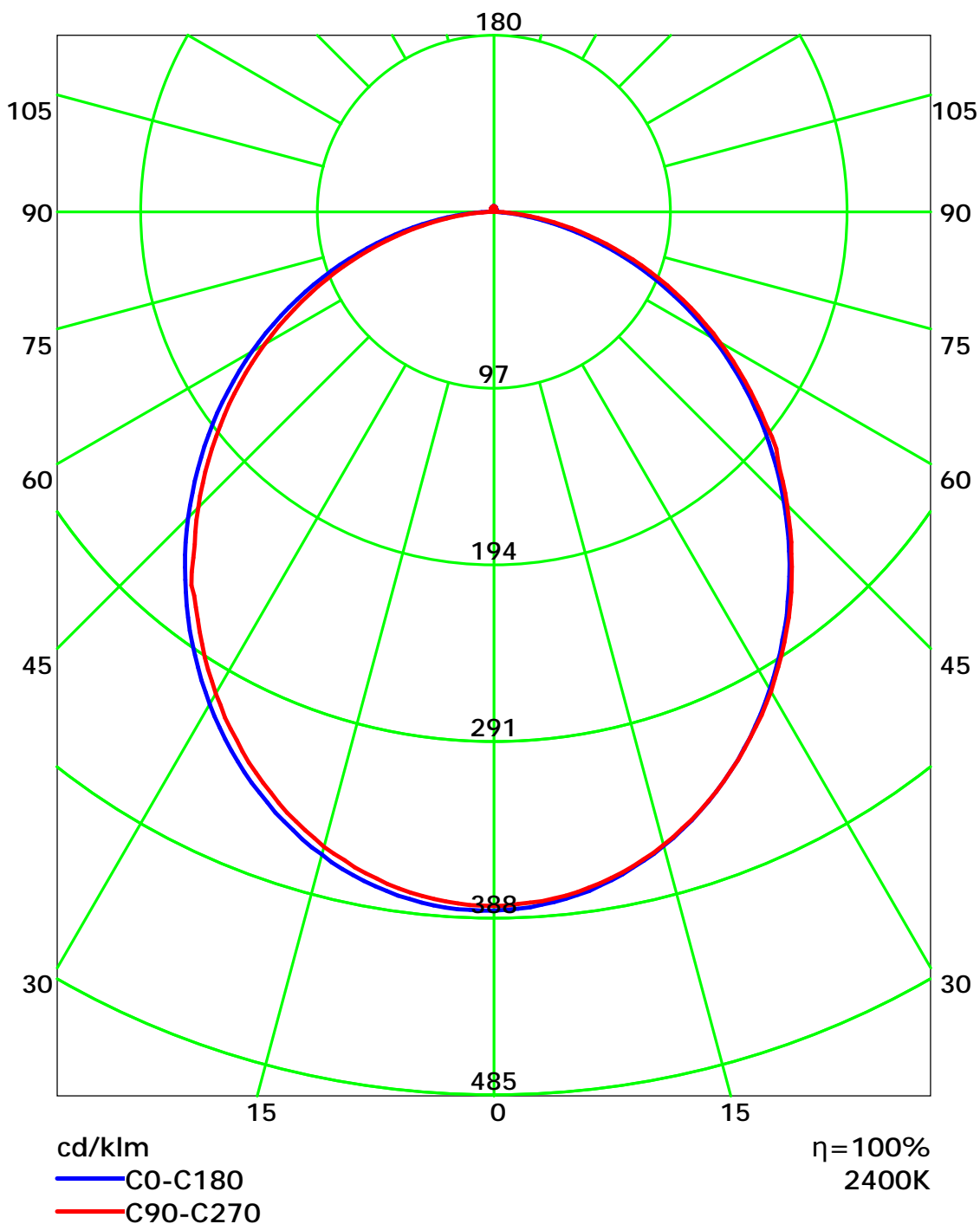
Luminous Intensity Distribution Curve



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

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

Luminous Intensity Distribution Curve(cd/klm)



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

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

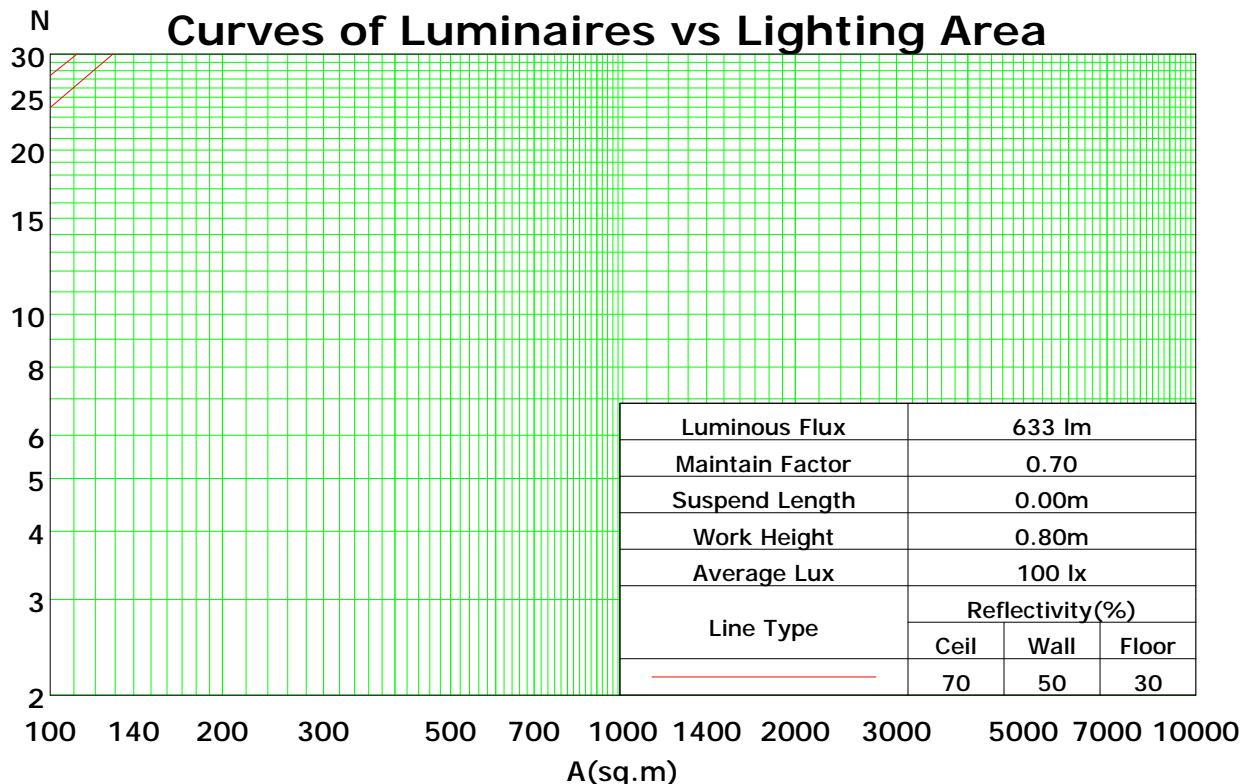
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	56	51	46	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.20

Spacing Criteria (90-270): 1.19

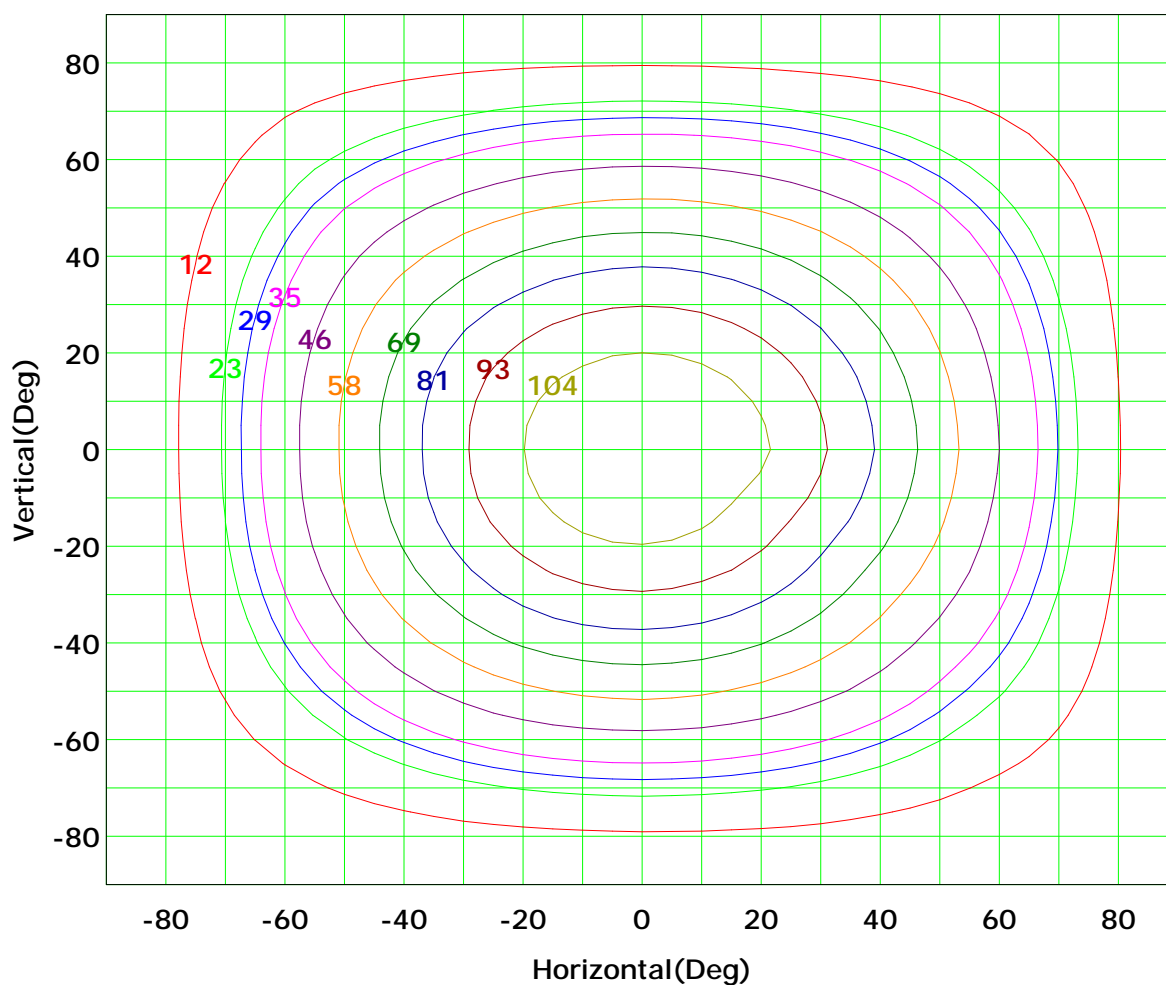
Spacing Criteria (Diagonal): 1.30



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)



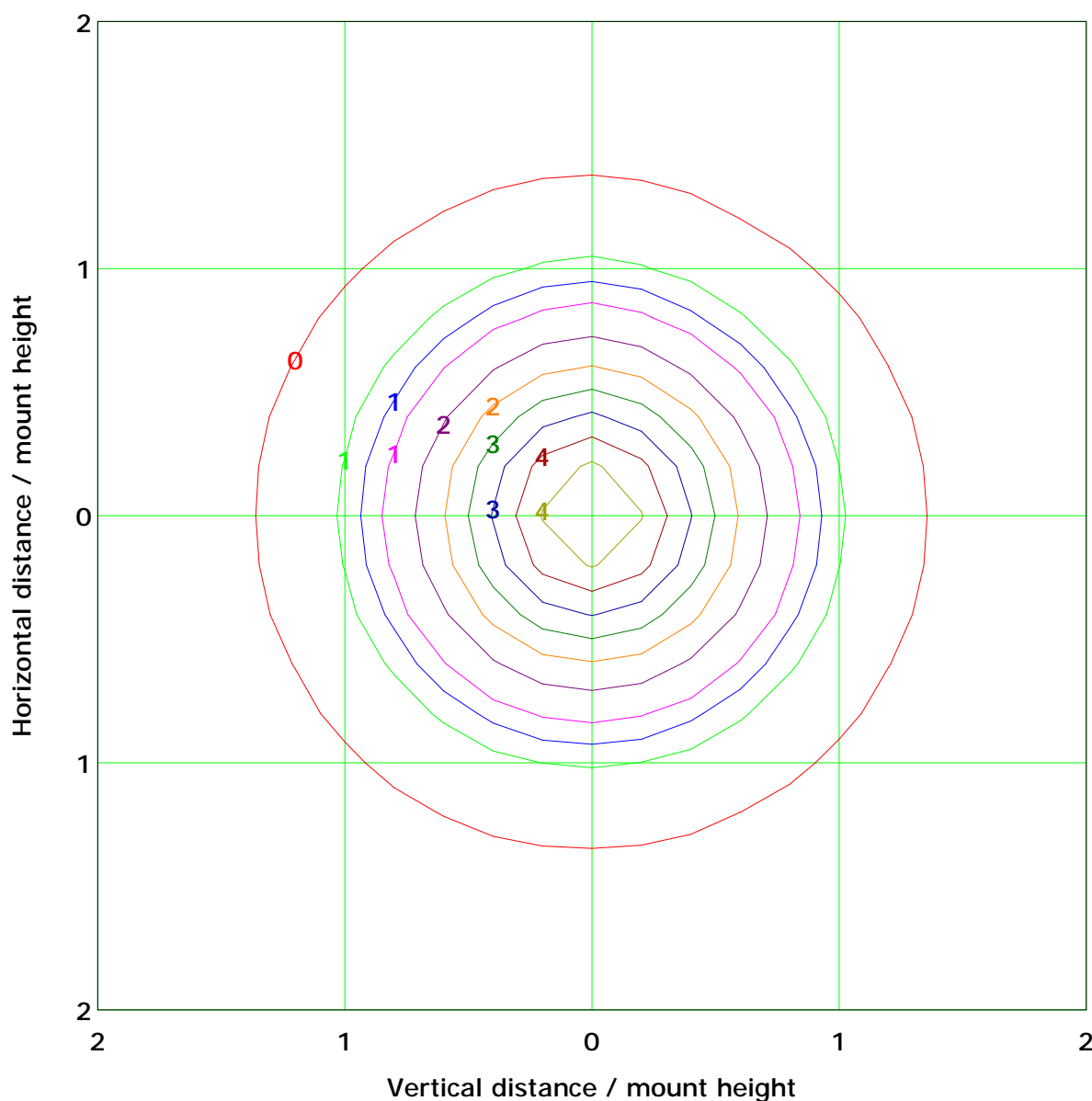
I_{max} (100%): 116 cd

(10%):	12 cd	(20%):	23 cd
(25%):	29 cd	(30%):	35 cd
(40%):	46 cd	(50%):	58 cd
(60%):	69 cd	(70%):	81 cd
(80%):	93 cd	(90%):	104 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%): 4.6 lx

(10%): 0.5 lx	(20%): 0.9 lx
(25%): 1.2 lx	(30%): 1.4 lx
(40%): 1.9 lx	(50%): 2.3 lx
(60%): 2.8 lx	(70%): 3.2 lx
(80%): 3.7 lx	(90%): 4.2 lx

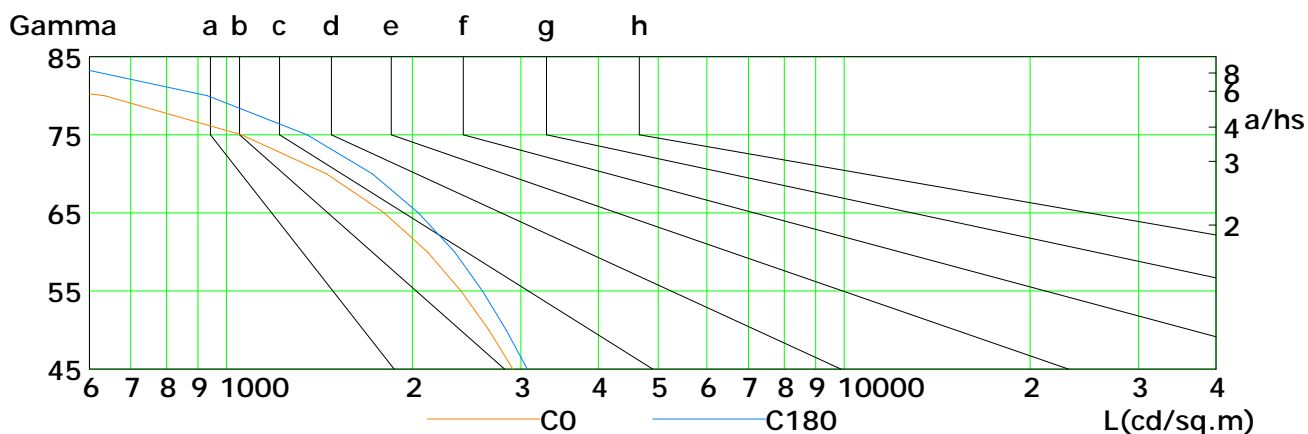
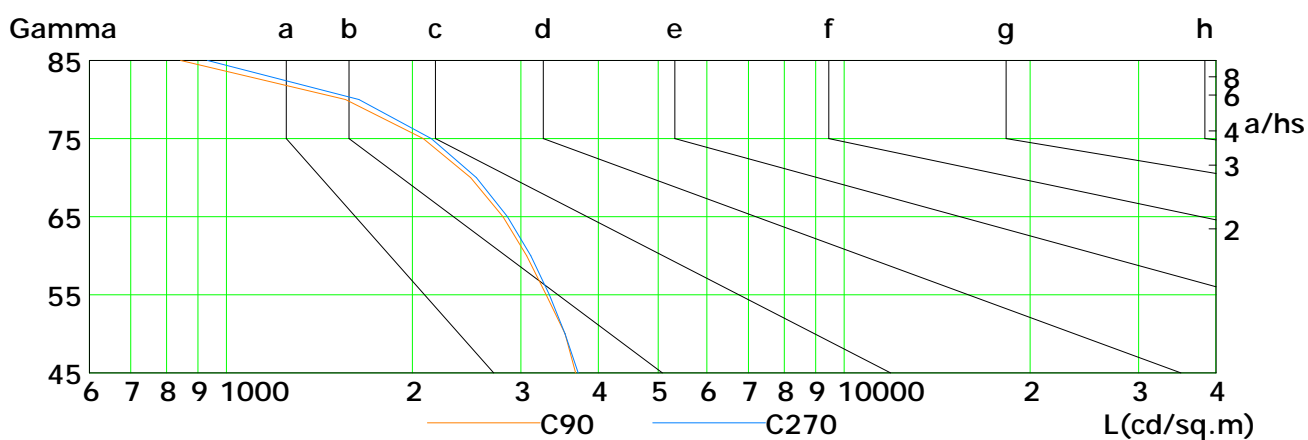
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



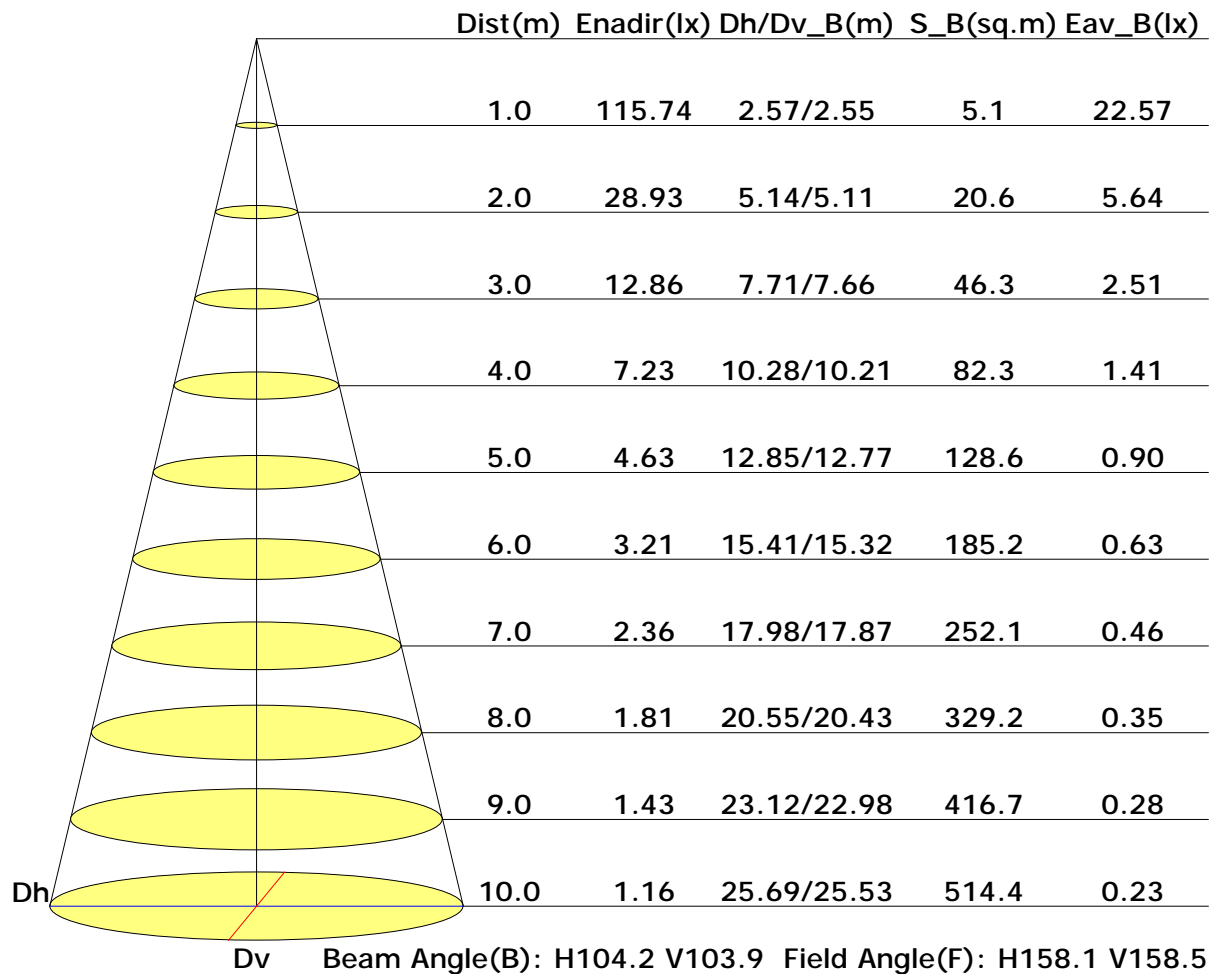
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2911	2662	2399	2116	1801	1453	1058	635	213
C90	3679	3536	3297	3064	2805	2486	2083	1560	843
C180	3071	2839	2598	2341	2046	1723	1351	932	474
C270	3711	3535	3336	3112	2851	2540	2147	1640	932

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

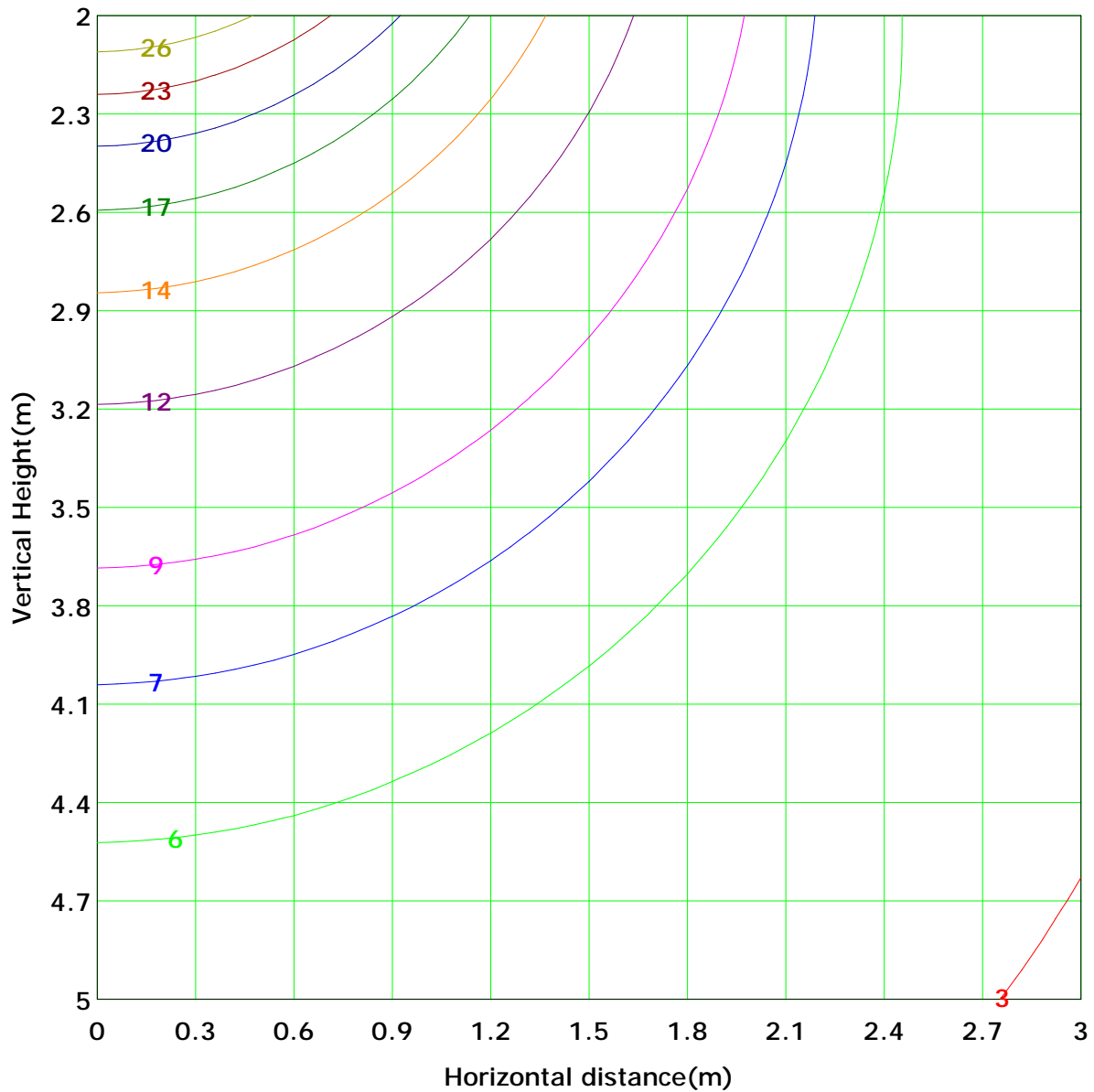
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 28.9 lx
(10%): 2.9 lx	(20%): 5.8 lx	(30%): 8.7 lx
(25%): 7.2 lx	(50%): 14.5 lx	(70%): 20.3 lx
(40%): 11.6 lx	(90%): 26.0 lx	
(60%): 17.4 lx		
(80%): 23.1 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

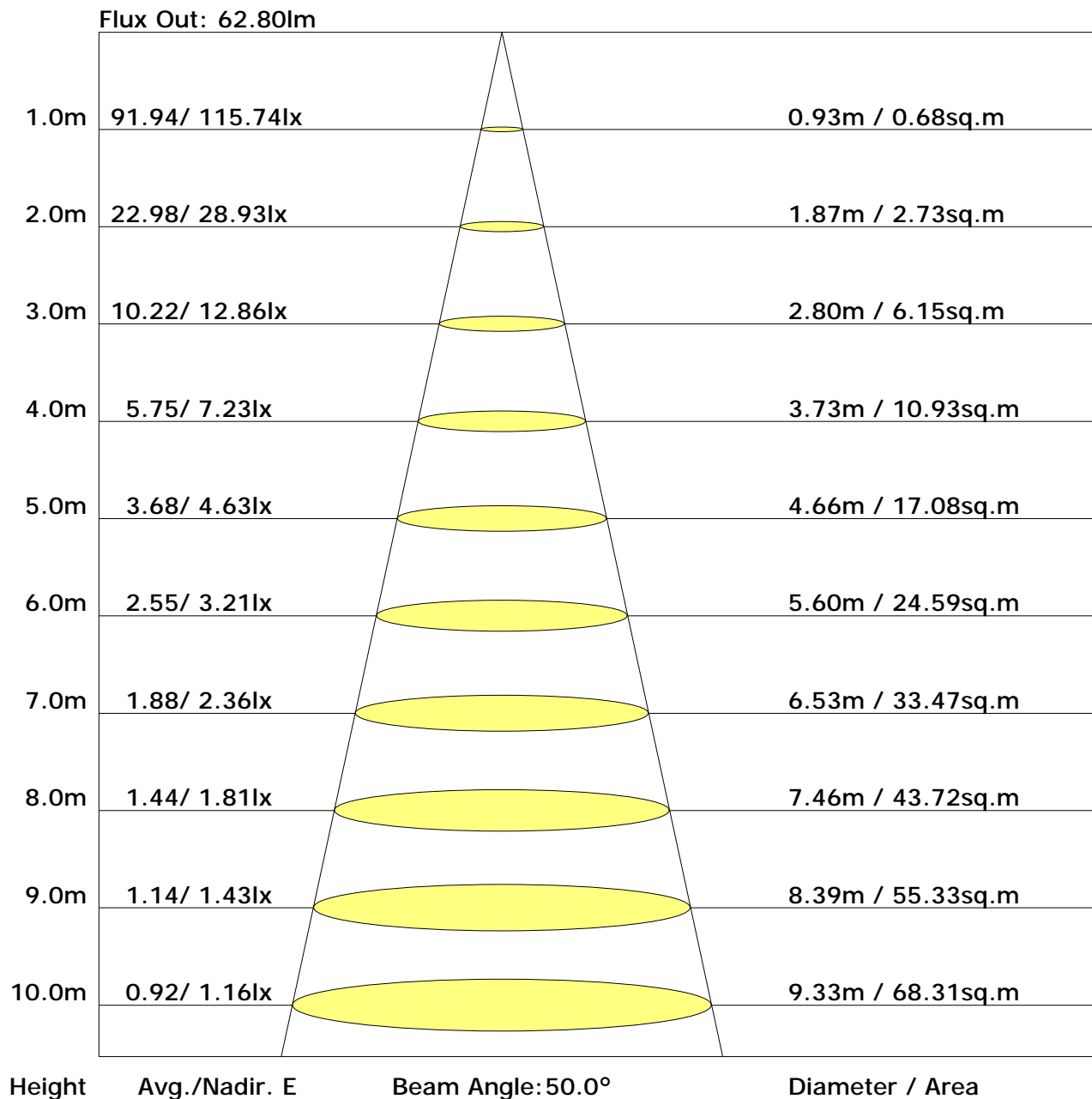
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0
	-80	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	1.7	1.3	0.0
	-70	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.8	0.7	0.6	0.4	0.3	0.2	0.1	5.0	4.7	0.0
	-60	0.0	0.1	0.2	0.5	0.7	1.0	1.3	1.6	1.6	1.6	1.5	1.2	1.0	0.7	0.4	0.3	0.2	0.1	9.8	9.5	0.0
	-50	0.0	0.1	0.3	0.6	1.0	1.3	1.6	2.1	2.1	2.1	2.0	1.7	1.3	0.9	0.5	0.3	0.2	0.1	15.8	15.4	0.0
	-40	0.0	0.1	0.4	0.7	1.2	1.6	2.1	2.6	2.7	2.7	2.5	2.0	1.6	1.1	0.7	0.5	0.3	0.2	22.1	21.8	0.0
	-30	0.0	0.1	0.4	0.8	1.3	1.9	2.4	2.8	3.0	3.0	2.7	2.3	2.0	1.6	1.0	0.8	0.6	0.4	28.0	27.7	0.0
	-20	0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.0	3.2	3.2	3.0	2.6	2.3	1.9	1.3	0.9	0.6	0.4	32.6	32.3	0.0
	-10	0.0	0.2	0.5	1.0	1.5	2.2	2.7	3.0	3.2	3.4	3.2	2.7	2.3	1.9	1.4	1.0	0.7	0.5	35.1	34.8	0.0
	0	0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.0	3.2	3.4	3.2	2.7	2.3	1.9	1.4	1.0	0.7	0.5	35.1	34.8	0.0
	10	0.0	0.2	0.5	0.9	1.5	2.1	2.6	3.0	3.2	3.4	3.2	2.7	2.3	1.9	1.4	1.0	0.7	0.5	32.6	32.3	0.0
	20	0.0	0.2	0.5	0.9	1.4	2.0	2.5	2.9	3.0	3.3	3.0	2.6	2.3	1.9	1.3	0.9	0.6	0.4	27.9	27.6	0.0
	30	0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.7	2.9	3.0	2.7	2.3	2.0	1.6	1.0	0.7	0.4	0.3	21.8	21.5	0.0
	40	0.0	0.1	0.4	0.7	1.1	1.6	2.0	2.4	2.5	2.5	2.4	2.0	1.6	1.1	0.7	0.4	0.3	0.2	15.4	15.1	0.0
	50	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.9	2.1	2.1	1.9	1.7	1.3	0.9	0.6	0.4	0.3	0.2	9.4	9.0	0.0
	60	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.6	1.6	1.5	1.3	1.0	0.7	0.4	0.3	0.2	0.1	4.5	4.1	0.0
	70	0.0	0.0	0.1	0.3	0.5	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.6	0.4	0.3	0.2	0.1	0.0	1.3	0.9	0.0
	80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0
	90	0.2	1.7	5.0	9.8	15.8	22.1	28.0	32.6	35.1	35.1	32.6	27.9	21.8	15.4	9.4	4.5	1.3	0.1	298		293
	Flux(E)	0.0	1.3	4.7	9.5	15.4	21.8	27.7	32.3	34.8	34.8	32.3	27.6	21.5	15.1	9.0	4.1	0.9	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



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	19.7	21.2	20.0	21.6	21.9	19.0	20.6	19.4	21.0	21.3
3H	21.2	22.6	21.6	23.0	23.3	20.5	21.9	20.9	22.2	22.6
4H	21.7	23.0	22.1	23.4	23.8	20.9	22.3	21.3	22.6	23.0
6H	21.9	23.2	22.4	23.6	24.0	21.2	22.4	21.6	22.8	23.2
8H	22.0	23.2	22.4	23.6	24.0	21.2	22.4	21.7	22.8	23.2
12H	22.0	23.1	22.4	23.5	24.0	21.2	22.4	21.7	22.8	23.2
X=4H Y=2H	20.1	21.5	20.5	21.8	22.2	19.6	20.9	20.0	21.3	21.7
3H	21.8	22.9	22.2	23.4	23.8	21.2	22.3	21.6	22.7	23.2
4H	22.4	23.4	22.8	23.9	24.3	21.7	22.8	22.2	23.2	23.6
6H	22.8	23.6	23.2	24.1	24.6	22.1	23.0	22.5	23.4	23.9
8H	22.8	23.7	23.3	24.1	24.6	22.1	23.0	22.6	23.4	23.9
12H	22.9	23.6	23.3	24.1	24.6	22.2	22.9	22.7	23.4	23.9
X=8H Y=4H	22.6	23.4	23.0	23.9	24.3	21.9	22.8	22.4	23.2	23.7
6H	23.0	23.7	23.5	24.2	24.7	22.3	23.0	22.9	23.5	24.0
8H	23.1	23.7	23.6	24.2	24.7	22.4	23.1	23.0	23.6	24.1
12H	23.1	23.7	23.7	24.2	24.8	22.5	23.0	23.0	23.5	24.1
X=12H Y=4H	22.6	23.3	23.1	23.8	24.3	21.9	22.7	22.4	23.2	23.7
6H	23.0	23.6	23.5	24.1	24.7	22.4	23.0	22.9	23.5	24.0
8H	23.1	23.7	23.6	24.2	24.8	22.5	23.0	23.0	23.5	24.1

Calculate in accordance with CIE 190:2010

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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.58	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.61	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.45	0.55	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.67	0.72	0.80	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.58	0.65	0.70	0.77	0.82	0.86	0.90	0.93
	0.20		0.44	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86
Rating:8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	0.97	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21	
	0.30		0.81	0.69	0.59	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20	
	0.30		0.79	0.67	0.58	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.91	0.74	0.63	0.54	0.43	0.35	0.30	0.23	0.19	
	0.30		0.78	0.65	0.56	0.49	0.40	0.33	0.28	0.22	0.18	
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18	
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
Rating:8W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	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
<p>Rating:8W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	115.1	0.1	0.1	0.04	0.04
1.0-2.0	115.0	0.3	0.4	0.11	0.15
2.0-3.0	114.9	0.5	1.0	0.18	0.33
3.0-4.0	114.7	0.8	1.8	0.25	0.58
4.0-5.0	114.5	1.0	2.7	0.33	0.91
5.0-6.0	114.2	1.2	3.9	0.40	1.31
6.0-7.0	113.9	1.4	5.4	0.47	1.78
7.0-8.0	113.5	1.6	7.0	0.54	2.32
8.0-9.0	113.1	1.8	8.8	0.61	2.93
9.0-10.0	112.6	2.0	10.9	0.68	3.60
10.0-11.0	112.0	2.2	13.1	0.74	4.34
11.0-12.0	111.4	2.4	15.5	0.81	5.15
12.0-13.0	110.7	2.6	18.2	0.87	6.03
13.0-14.0	110.0	2.8	21.0	0.93	6.96
14.0-15.0	109.3	3.0	24.0	1.00	7.96
15.0-16.0	108.5	3.2	27.1	1.05	9.01
16.0-17.0	107.6	3.4	30.5	1.11	10.12
17.0-18.0	106.7	3.5	34.0	1.17	11.29
18.0-19.0	105.7	3.7	37.7	1.22	12.51
19.0-20.0	104.8	3.8	41.5	1.27	13.78
20.0-21.0	103.7	4.0	45.5	1.32	15.11
21.0-22.0	102.7	4.1	49.6	1.37	16.48
22.0-23.0	101.5	4.3	53.9	1.41	17.89
23.0-24.0	100.4	4.4	58.3	1.46	19.35
24.0-25.0	99.2	4.5	62.8	1.50	20.85
25.0-26.0	98.0	4.6	67.4	1.54	22.38
26.0-27.0	96.8	4.7	72.2	1.57	23.95
27.0-28.0	95.5	4.8	77.0	1.60	25.56
28.0-29.0	94.2	4.9	81.9	1.64	27.19
29.0-30.0	92.8	5.0	86.9	1.66	28.86
30.0-31.0	91.5	5.1	92.0	1.69	30.55
31.0-32.0	90.1	5.2	97.2	1.71	32.26
32.0-33.0	88.7	5.2	102.4	1.73	33.99
33.0-34.0	87.2	5.3	107.7	1.75	35.74
34.0-35.0	85.8	5.3	113.0	1.77	37.51
35.0-36.0	84.3	5.4	118.4	1.78	39.29

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	82.8	5.4	123.8	1.79	41.09
37.0-38.0	81.2	5.4	129.2	1.80	42.89
38.0-39.0	79.7	5.4	134.6	1.81	44.69
39.0-40.0	78.1	5.4	140.1	1.81	46.50
40.0-41.0	76.5	5.4	145.5	1.81	48.31
41.0-42.0	74.9	5.4	151.0	1.81	50.11
42.0-43.0	73.3	5.4	156.4	1.80	51.92
43.0-44.0	71.7	5.4	161.8	1.80	53.71
44.0-45.0	70.0	5.4	167.2	1.79	55.50
45.0-46.0	68.4	5.3	172.6	1.78	57.27
46.0-47.0	66.7	5.3	177.9	1.76	59.04
47.0-48.0	65.1	5.3	183.1	1.75	60.78
48.0-49.0	63.4	5.2	188.3	1.73	62.51
49.0-50.0	61.8	5.1	193.5	1.71	64.22
50.0-51.0	60.1	5.1	198.6	1.69	65.91
51.0-52.0	58.4	5.0	203.6	1.66	67.57
52.0-53.0	56.7	4.9	208.5	1.64	69.21
53.0-54.0	55.0	4.8	213.4	1.61	70.81
54.0-55.0	53.2	4.8	218.1	1.58	72.39
55.0-56.0	51.5	4.7	222.8	1.54	73.93
56.0-57.0	49.8	4.5	227.3	1.51	75.44
57.0-58.0	48.0	4.4	231.7	1.47	76.92
58.0-59.0	46.3	4.3	236.1	1.44	78.36
59.0-60.0	44.6	4.2	240.3	1.40	79.75
60.0-61.0	42.8	4.1	244.4	1.36	81.11
61.0-62.0	41.1	4.0	248.3	1.31	82.42
62.0-63.0	39.3	3.8	252.2	1.27	83.69
63.0-64.0	37.6	3.7	255.8	1.22	84.92
64.0-65.0	35.8	3.5	259.4	1.18	86.09
65.0-66.0	34.1	3.4	262.8	1.13	87.22
66.0-67.0	32.3	3.3	266.0	1.08	88.30
67.0-68.0	30.6	3.1	269.1	1.03	89.33
68.0-69.0	28.9	2.9	272.1	0.98	90.31
69.0-70.0	27.2	2.8	274.9	0.93	91.24
70.0-71.0	25.4	2.6	277.5	0.87	92.11
71.0-72.0	23.8	2.5	280.0	0.82	92.93

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	22.1	2.3	282.3	0.77	93.69
73.0-74.0	20.4	2.1	284.4	0.71	94.41
74.0-75.0	18.7	2.0	286.4	0.66	95.06
75.0-76.0	17.1	1.8	288.2	0.60	95.67
76.0-77.0	15.5	1.7	289.9	0.55	96.22
77.0-78.0	14.0	1.5	291.4	0.50	96.71
78.0-79.0	12.4	1.3	292.7	0.44	97.16
79.0-80.0	11.0	1.2	293.9	0.39	97.55
80.0-81.0	9.5	1.0	294.9	0.34	97.89
81.0-82.0	8.1	0.9	295.8	0.29	98.18
82.0-83.0	6.8	0.7	296.6	0.25	98.43
83.0-84.0	5.5	0.6	297.2	0.20	98.63
84.0-85.0	4.4	0.5	297.6	0.16	98.79
85.0-86.0	3.3	0.4	298.0	0.12	98.91
86.0-87.0	2.2	0.2	298.2	0.08	98.99
87.0-88.0	1.3	0.1	298.4	0.05	99.04
88.0-89.0	0.6	0.1	298.5	0.02	99.06
89.0-90.0	0.2	0.0	298.5	0.01	99.07
90.0-91.0	0.1	0.0	298.5	0.00	99.07
91.0-92.0	0.1	0.0	298.5	0.00	99.07
92.0-93.0	0.1	0.0	298.5	0.00	99.08
93.0-94.0	0.1	0.0	298.5	0.00	99.08
94.0-95.0	0.1	0.0	298.5	0.01	99.09
95.0-96.0	0.2	0.0	298.6	0.01	99.09
96.0-97.0	0.2	0.0	298.6	0.01	99.10
97.0-98.0	0.1	0.0	298.6	0.01	99.10
98.0-99.0	0.2	0.0	298.6	0.01	99.11
99.0-100.0	0.2	0.0	298.6	0.01	99.12
100.0-101.0	0.2	0.0	298.7	0.01	99.12
101.0-102.0	0.2	0.0	298.7	0.01	99.13
102.0-103.0	0.2	0.0	298.7	0.01	99.14
103.0-104.0	0.2	0.0	298.7	0.01	99.15
104.0-105.0	0.2	0.0	298.7	0.01	99.16
105.0-106.0	0.3	0.0	298.8	0.01	99.16
106.0-107.0	0.3	0.0	298.8	0.01	99.17
107.0-108.0	0.3	0.0	298.8	0.01	99.18

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.3	0.0	298.9	0.01	99.19
109.0-110.0	0.3	0.0	298.9	0.01	99.20
110.0-111.0	0.3	0.0	298.9	0.01	99.21
111.0-112.0	0.3	0.0	298.9	0.01	99.22
112.0-113.0	0.3	0.0	299.0	0.01	99.23
113.0-114.0	0.3	0.0	299.0	0.01	99.25
114.0-115.0	0.3	0.0	299.1	0.01	99.26
115.0-116.0	0.4	0.0	299.1	0.01	99.27
116.0-117.0	0.4	0.0	299.1	0.01	99.28
117.0-118.0	0.4	0.0	299.2	0.01	99.29
118.0-119.0	0.4	0.0	299.2	0.01	99.31
119.0-120.0	0.4	0.0	299.2	0.01	99.32
120.0-121.0	0.4	0.0	299.3	0.01	99.33
121.0-122.0	0.4	0.0	299.3	0.01	99.35
122.0-123.0	0.5	0.0	299.4	0.01	99.36
123.0-124.0	0.5	0.0	299.4	0.01	99.37
124.0-125.0	0.5	0.0	299.4	0.01	99.39
125.0-126.0	0.5	0.0	299.5	0.01	99.40
126.0-127.0	0.5	0.0	299.5	0.01	99.42
127.0-128.0	0.5	0.0	299.6	0.01	99.43
128.0-129.0	0.5	0.0	299.6	0.02	99.45
129.0-130.0	0.5	0.0	299.7	0.02	99.46
130.0-131.0	0.6	0.0	299.7	0.02	99.48
131.0-132.0	0.6	0.0	299.8	0.02	99.49
132.0-133.0	0.6	0.0	299.8	0.02	99.51
133.0-134.0	0.6	0.0	299.9	0.02	99.52
134.0-135.0	0.6	0.0	299.9	0.02	99.54
135.0-136.0	0.6	0.0	300.0	0.02	99.56
136.0-137.0	0.6	0.0	300.0	0.02	99.57
137.0-138.0	0.6	0.0	300.0	0.02	99.59
138.0-139.0	0.6	0.0	300.1	0.02	99.60
139.0-140.0	0.6	0.0	300.1	0.02	99.62
140.0-141.0	0.7	0.0	300.2	0.02	99.63
141.0-142.0	0.7	0.0	300.2	0.02	99.65
142.0-143.0	0.7	0.0	300.3	0.02	99.66
143.0-144.0	0.7	0.0	300.3	0.02	99.68

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.7	0.0	300.4	0.01	99.69
145.0-146.0	0.7	0.0	300.4	0.01	99.71
146.0-147.0	0.7	0.0	300.5	0.01	99.72
147.0-148.0	0.7	0.0	300.5	0.01	99.74
148.0-149.0	0.8	0.0	300.5	0.01	99.75
149.0-150.0	0.8	0.0	300.6	0.01	99.77
150.0-151.0	0.8	0.0	300.6	0.01	99.78
151.0-152.0	0.8	0.0	300.7	0.01	99.79
152.0-153.0	0.8	0.0	300.7	0.01	99.81
153.0-154.0	0.8	0.0	300.7	0.01	99.82
154.0-155.0	0.8	0.0	300.8	0.01	99.83
155.0-156.0	0.8	0.0	300.8	0.01	99.84
156.0-157.0	0.8	0.0	300.9	0.01	99.86
157.0-158.0	0.8	0.0	300.9	0.01	99.87
158.0-159.0	0.8	0.0	300.9	0.01	99.88
159.0-160.0	0.8	0.0	301.0	0.01	99.89
160.0-161.0	0.8	0.0	301.0	0.01	99.90
161.0-162.0	0.8	0.0	301.0	0.01	99.91
162.0-163.0	0.9	0.0	301.0	0.01	99.92
163.0-164.0	0.9	0.0	301.1	0.01	99.93
164.0-165.0	0.9	0.0	301.1	0.01	99.94
165.0-166.0	0.9	0.0	301.1	0.01	99.94
166.0-167.0	0.9	0.0	301.1	0.01	99.95
167.0-168.0	0.9	0.0	301.2	0.01	99.96
168.0-169.0	0.9	0.0	301.2	0.01	99.96
169.0-170.0	0.9	0.0	301.2	0.01	99.97
170.0-171.0	0.9	0.0	301.2	0.01	99.98
171.0-172.0	0.9	0.0	301.2	0.00	99.98
172.0-173.0	0.9	0.0	301.2	0.00	99.99
173.0-174.0	0.9	0.0	301.3	0.00	99.99
174.0-175.0	0.9	0.0	301.3	0.00	99.99
175.0-176.0	0.9	0.0	301.3	0.00	100.00
176.0-177.0	0.9	0.0	301.3	0.00	100.00
177.0-178.0	0.9	0.0	301.3	0.00	100.00
178.0-179.0	0.9	0.0	301.3	0.00	100.00
179.0-180.0	0.9	0.0	301.3	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: