

Report No.:

Test Time: 2022/1/4 10:22

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Double Row Ribbonlyte

Luminaire Description: DRRB0VWS22012.0VW

Lamp Catalog: 3527-2100+6200K

Number of Lamps: 280/M

Luminous Width (mm): 22

Voltage: 24.0 V

Power: 9.64 W

Lamp Description: 6200K

Luminous Length (mm): 500

Luminous Height (mm): 2

Current: 0.402 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 790.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H161,H116.1

Vertical Diffuse Angle(10%,50%): V160.5,V116.4

Luminaire Efficacy Rating (LER): 82

Max. Intensity: 264.83 cd

Total Rated Lamp Lumens: 790.9 lm

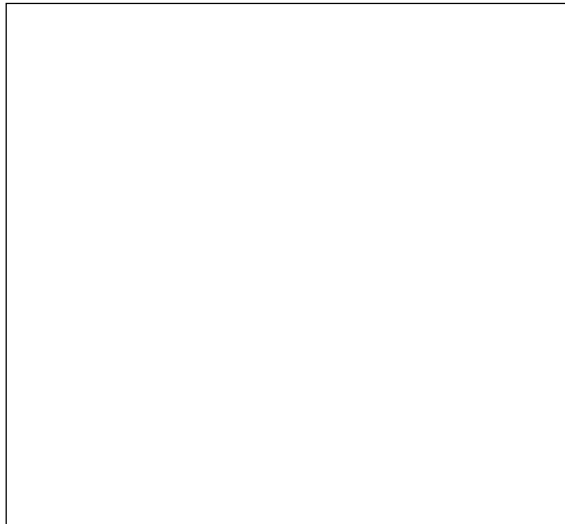
Efficiency: 100%

Upward Ratio: 1%

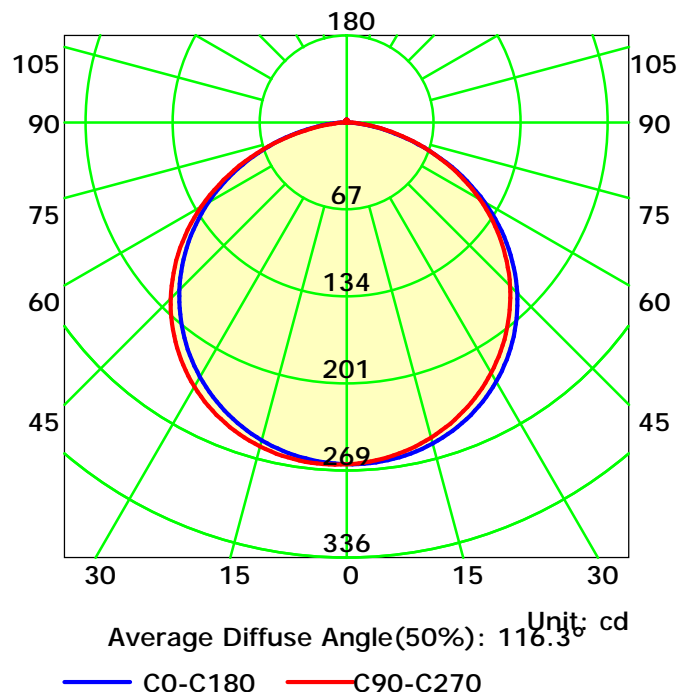
Central Intensity: 264.16 cd

Pos of Max. Intensity: H330 V4

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

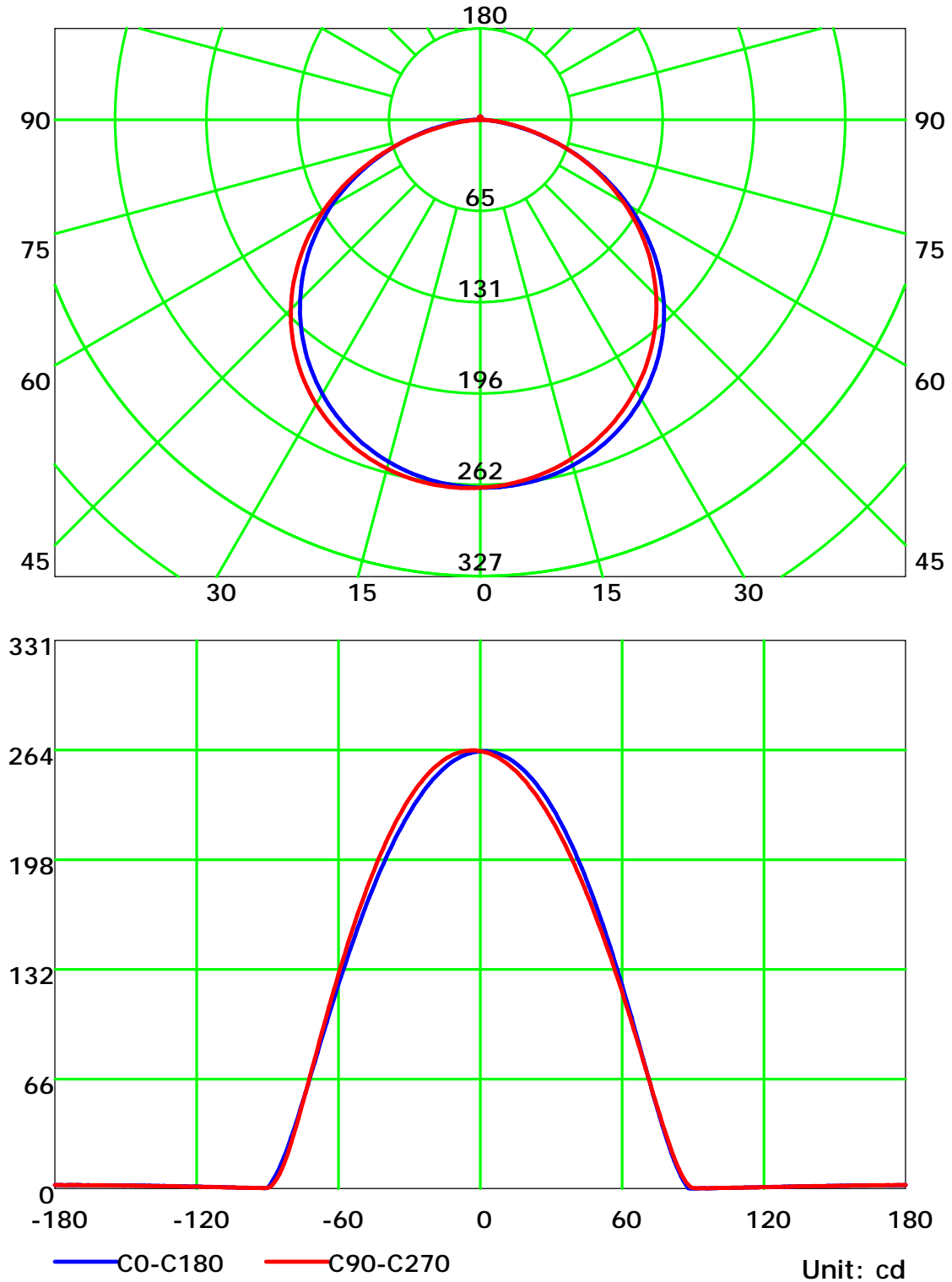
Distance: 9.028 m

Humidity: 60%

Inspector:



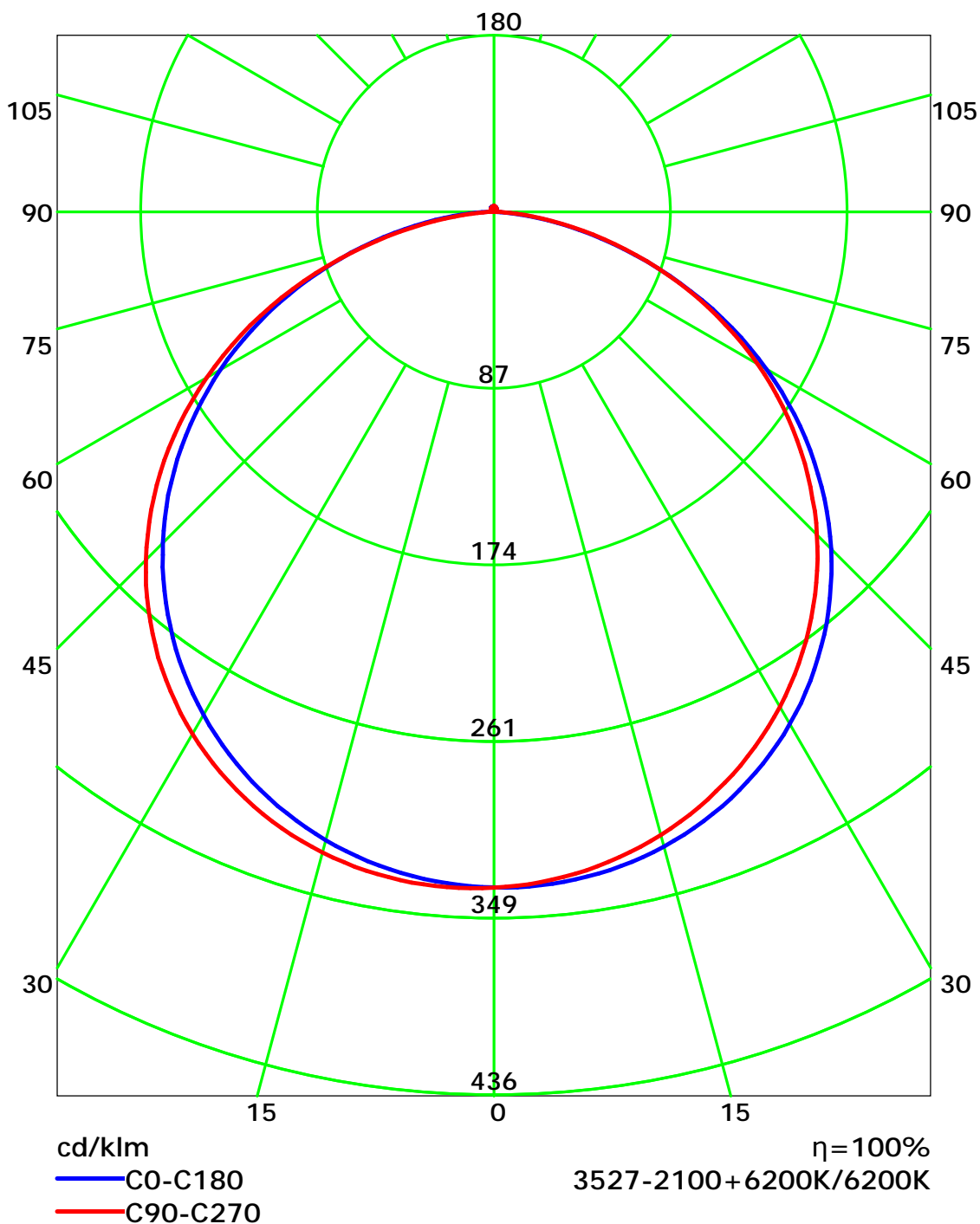
Luminous Intensity Distribution Curve



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:

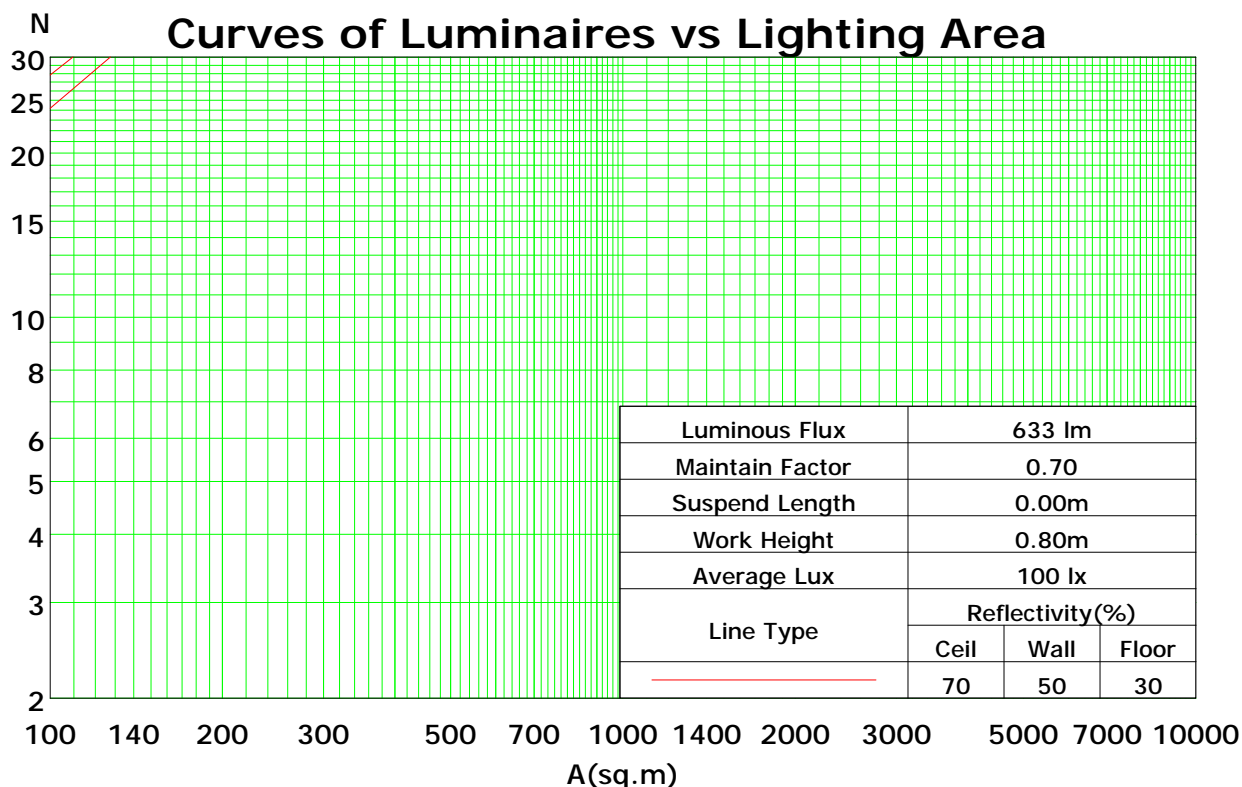
Coefficients Of Utilization - Zonal Cavity Method

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	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	29	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	36	30	25	35	30	25	23

Spacing Criteria (0-180): 1.29

Spacing Criteria (90-270): 1.29

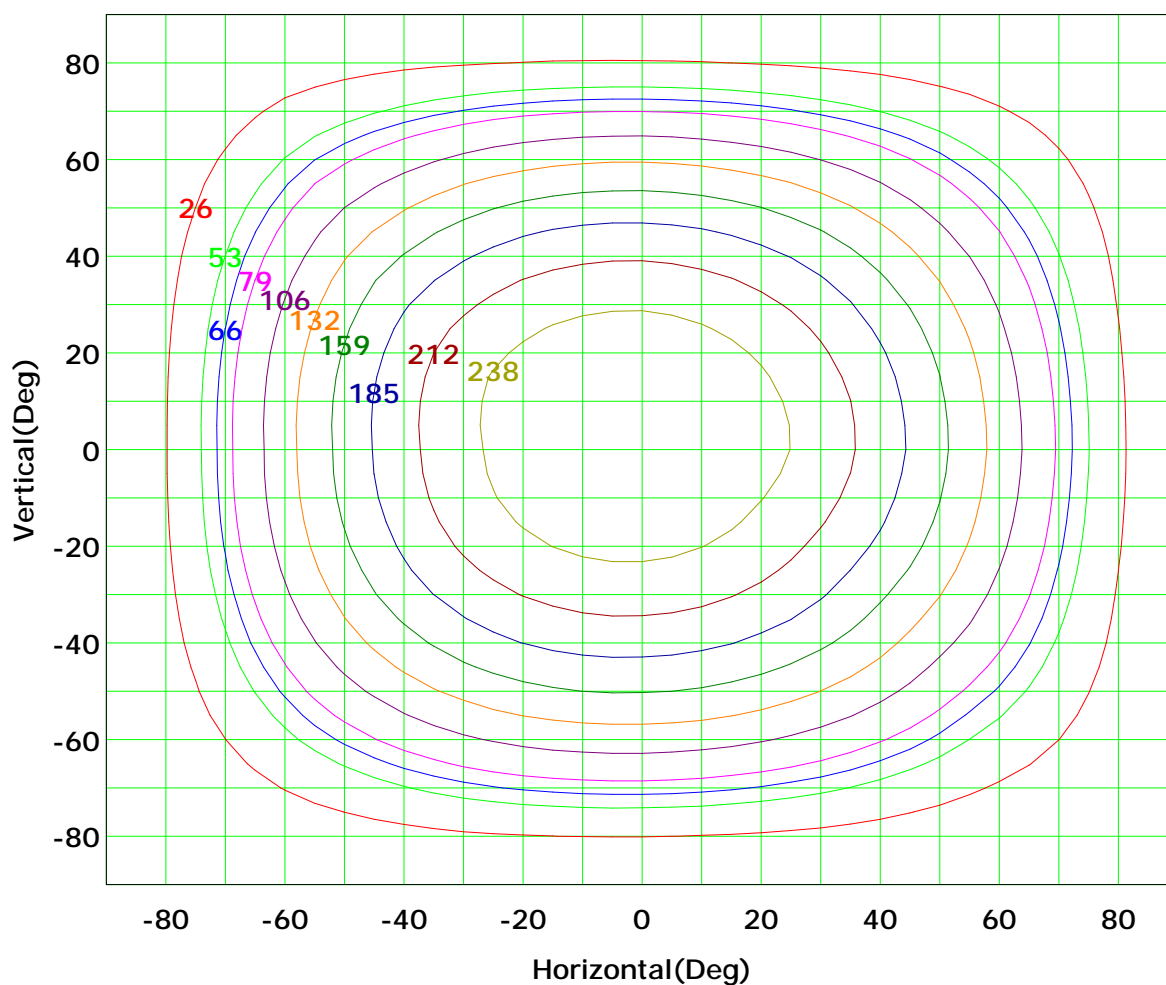
Spacing Criteria (Diagonal): 1.41



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)



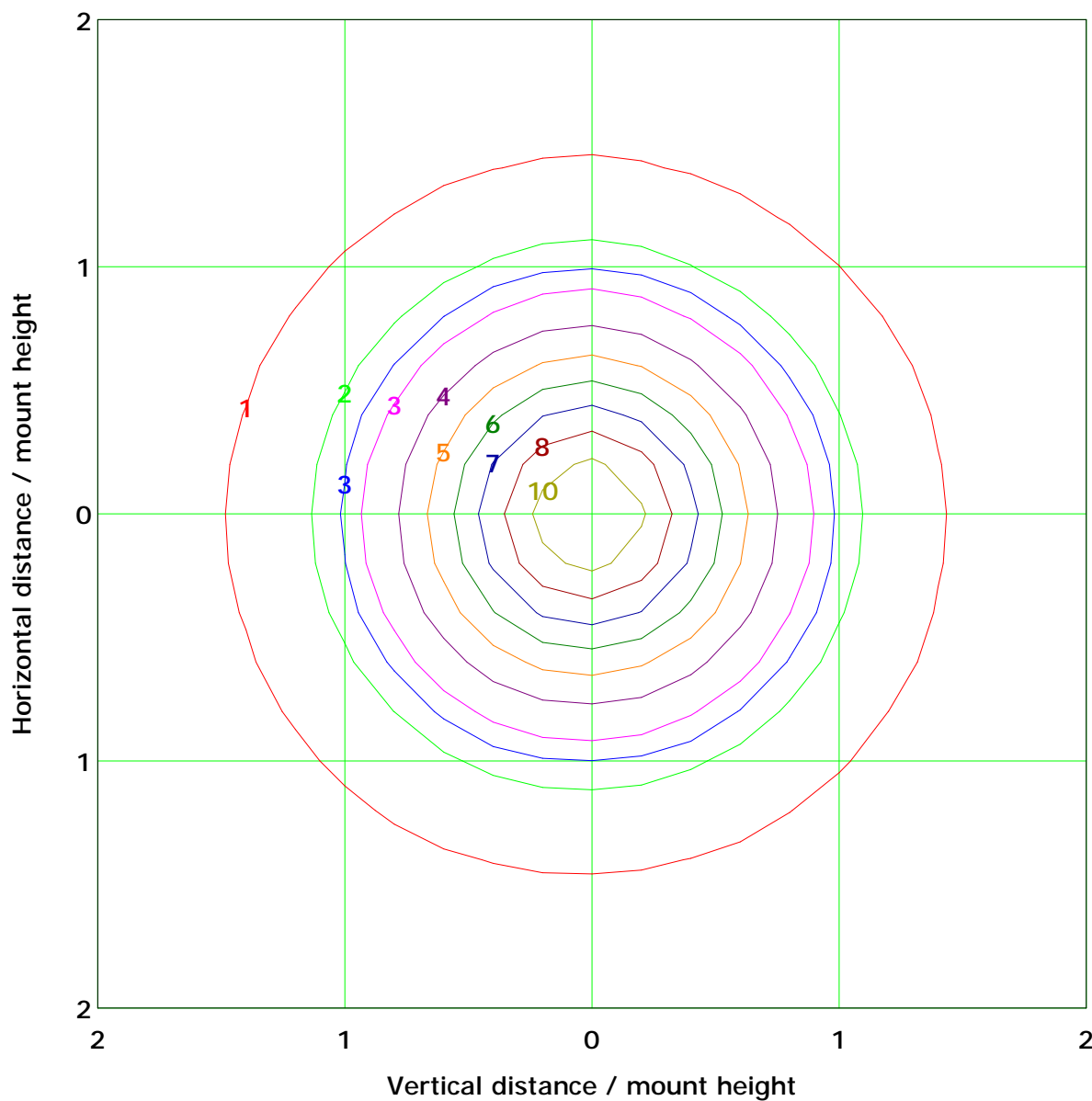
I_{max} (100%): 265 cd

(10%):	26 cd	(20%):	53 cd
(25%):	66 cd	(30%):	79 cd
(40%):	106 cd	(50%):	132 cd
(60%):	159 cd	(70%):	185 cd
(80%):	212 cd	(90%):	238 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%): 10.6 lx	
(10%):	1.1 lx	(20%):	2.1 lx
(25%):	2.6 lx	(30%):	3.2 lx
(40%):	4.2 lx	(50%):	5.3 lx
(60%):	6.3 lx	(70%):	7.4 lx
(80%):	8.5 lx	(90%):	9.5 lx

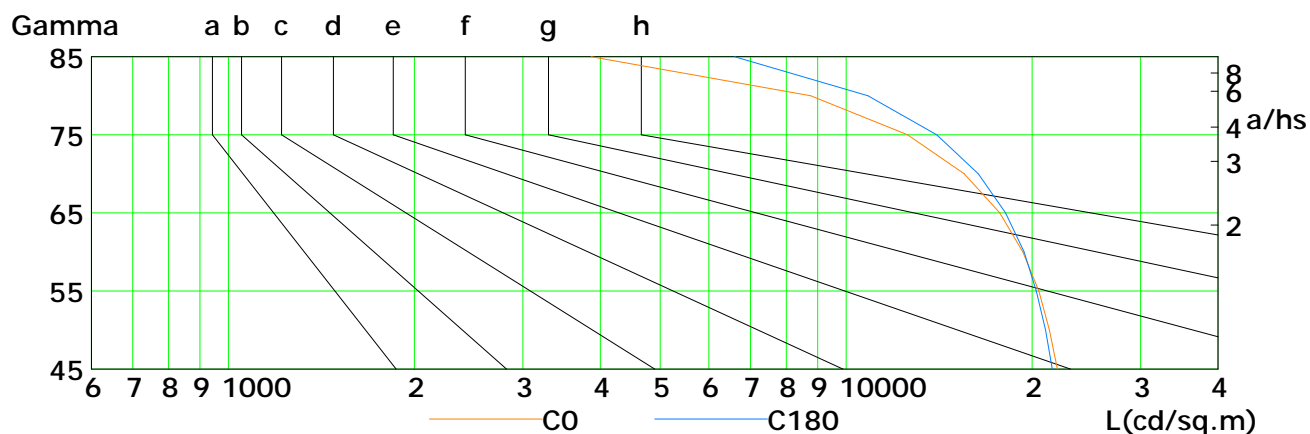
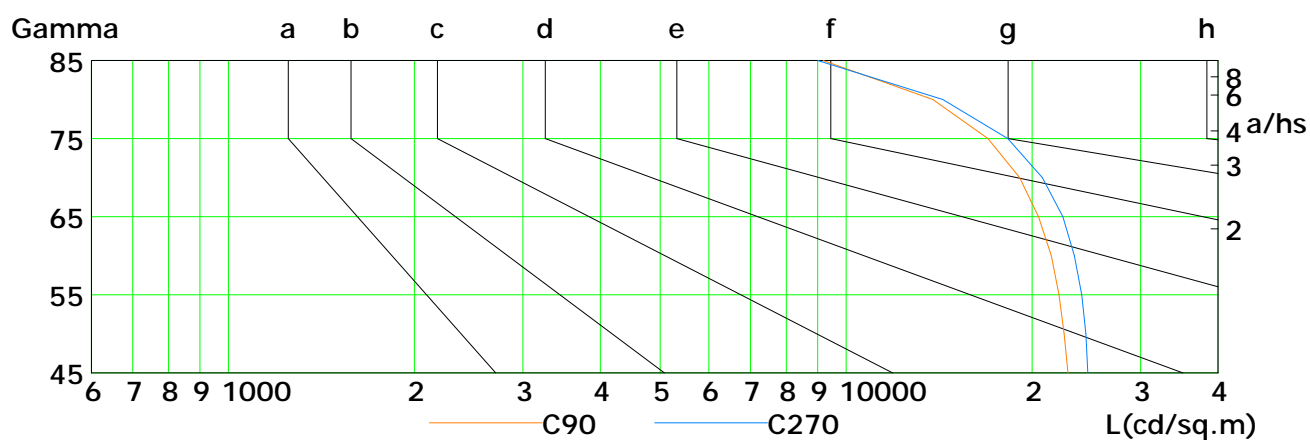
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: JACKY

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



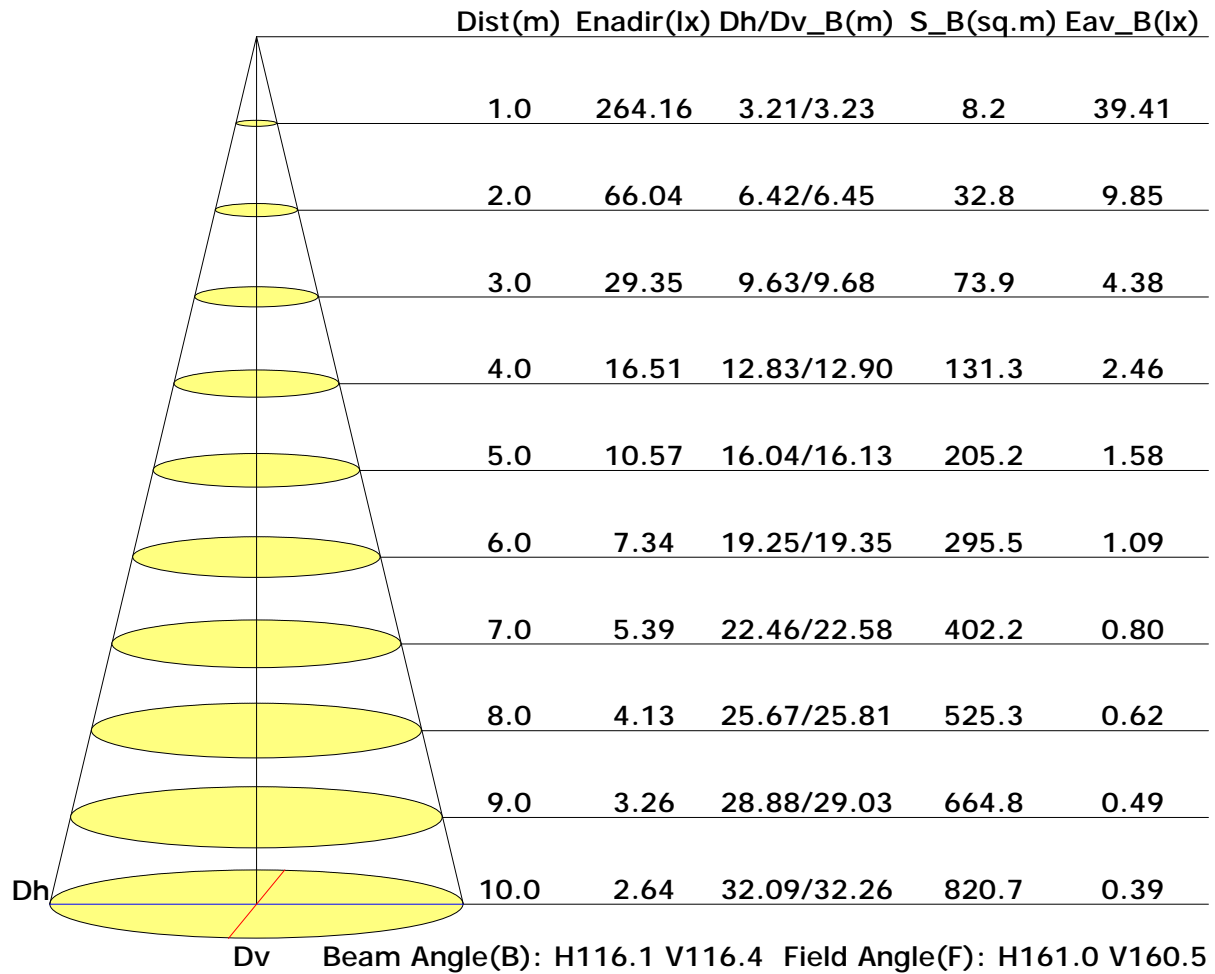
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	21983	21333	20513	19328	17740	15540	12583	8767	3867
C90	22869	22540	22129	21484	20496	19095	16975	13816	9177
C180	21576	21038	20317	19419	18131	16370	14018	10850	6594
C270	24640	24440	24068	23436	22426	20788	18283	14344	8997

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

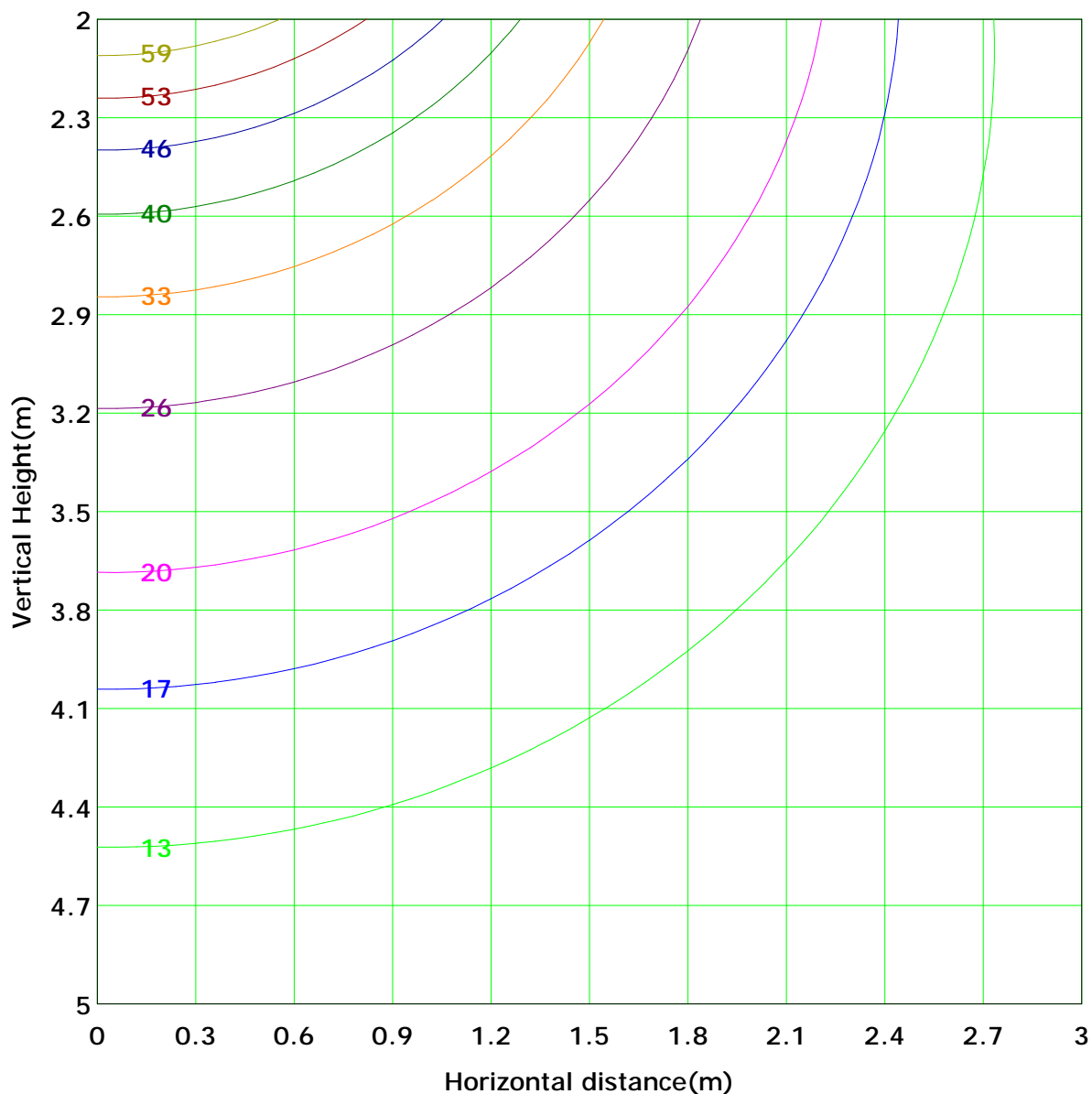
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 66.0 lx
(10%): 6.6 lx	(20%): 13.2 lx	
(25%): 16.5 lx	(30%): 19.8 lx	
(40%): 26.4 lx	(50%): 33.0 lx	
(60%): 39.6 lx	(70%): 46.2 lx	
(80%): 52.8 lx	(90%): 59.4 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

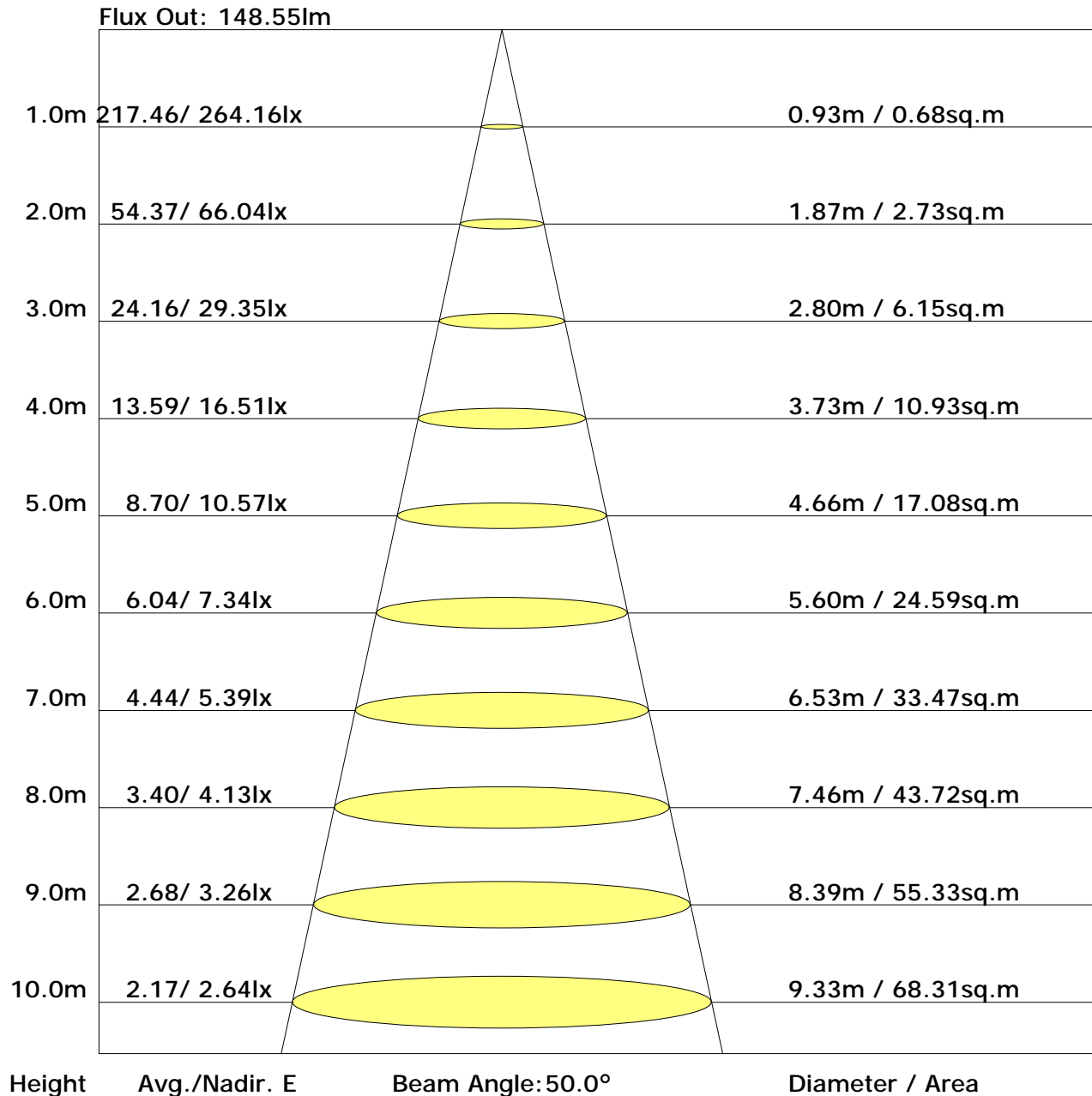
Flux(E)	Vertical plane																	Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
0.1	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.1
0.5	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.7	0.4	0.1	0.0	0.5
1.3	0.0	0.1	0.4	0.8	1.4	1.9	2.5	2.9	3.1	3.2	3.0	2.6	2.4	2.0	1.5	1.0	0.5	0.0	1.3
26.3	0.0	0.2	0.6	1.3	2.1	2.9	3.7	4.2	4.6	4.6	4.3	3.8	3.5	3.1	2.7	2.2	1.7	1.2	26.3
41.7	0.0	0.3	0.8	1.7	2.7	3.7	4.7	5.4	5.8	5.8	5.5	4.8	4.3	3.9	3.4	2.9	2.4	1.9	41.7
57.4	0.0	0.3	1.0	2.0	3.2	4.4	5.4	6.2	6.7	6.7	6.4	5.6	5.1	4.6	4.1	3.6	3.1	2.6	57.4
71.5	0.0	0.4	1.2	2.3	3.6	4.9	6.0	6.9	7.4	7.4	7.0	6.2	5.7	5.2	4.7	4.2	3.7	3.2	71.5
82.2	0.0	0.4	1.3	2.4	3.8	5.2	6.4	7.3	7.8	7.8	7.5	6.6	6.1	5.6	5.1	4.6	4.1	3.6	82.2
88.2	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	88.2
88.2	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	88.2
84.1	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	84.1
74.2	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	74.2
60.3	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	60.3
44.1	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	44.1
27.7	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	27.7
13.6	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	13.6
4.1	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	4.1
0.4	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	0.4
783	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	783
772	0.0	0.4	1.3	2.4	3.9	5.3	6.5	7.5	7.9	8.0	7.6	6.7	6.2	5.7	5.2	4.7	4.2	3.7	772

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	23.9	25.5	24.3	25.9	26.2	23.2	24.8	23.6	25.2	25.5
3H	25.6	27.1	26.0	27.4	27.8	24.9	26.3	25.3	26.7	27.1
4H	26.2	27.6	26.6	27.9	28.3	25.4	26.8	25.8	27.2	27.6
6H	26.5	27.8	27.0	28.2	28.6	25.7	27.0	26.2	27.4	27.8
8H	26.6	27.8	27.0	28.2	28.7	25.8	27.0	26.3	27.4	27.9
12H	26.6	27.8	27.1	28.2	28.7	25.8	27.0	26.3	27.4	27.9
X=4H Y=2H	24.5	25.9	24.9	26.3	26.6	23.8	25.2	24.2	25.6	26.0
3H	26.4	27.6	26.9	28.0	28.4	25.7	26.9	26.1	27.3	27.7
4H	27.1	28.2	27.6	28.6	29.1	26.4	27.4	26.8	27.8	28.3
6H	27.6	28.5	28.1	29.0	29.4	26.8	27.7	27.2	28.2	28.6
8H	27.7	28.6	28.2	29.0	29.5	26.9	27.7	27.4	28.2	28.7
12H	27.8	28.5	28.2	29.0	29.5	26.9	27.7	27.4	28.2	28.7
X=8H Y=4H	27.4	28.2	27.9	28.7	29.2	26.6	27.5	27.1	27.9	28.4
6H	27.9	28.7	28.5	29.2	29.7	27.1	27.8	27.6	28.3	28.8
8H	28.1	28.7	28.6	29.3	29.8	27.3	27.9	27.8	28.4	28.9
12H	28.2	28.8	28.7	29.3	29.9	27.3	27.9	27.9	28.4	29.0
X=12H Y=4H	27.4	28.2	27.9	28.7	29.1	26.6	27.4	27.1	27.9	28.4
6H	28.0	28.6	28.5	29.1	29.7	27.2	27.8	27.7	28.3	28.8
8H	28.2	28.7	28.7	29.2	29.8	27.3	27.9	27.9	28.4	29.0

Calculate in accordance with CIE 190:2010

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

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

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 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	0.56	0.66	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.42	0.53	0.60	0.66	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	0.20		0.42	0.52	0.59	0.65	0.74	0.79	0.84	0.89	0.93
0.30	0.50	0.20	0.52	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.95
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92
	0.20		0.41	0.51	0.59	0.64	0.72	0.77	0.81	0.87	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
Rating: 10W 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	1.01	0.83	0.71	0.62	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.62	0.55	0.44	0.37	0.32	0.25	0.21
	0.20		0.72	0.62	0.55	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.42	0.33	0.25	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.54	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.94	0.77	0.65	0.56	0.45	0.37	0.31	0.24	0.20
	0.30		0.80	0.68	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.53	0.47	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.60	0.51	0.43	0.38	0.31	0.26	0.22	0.17	0.14
Rating: 10W 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	0.19	0.19	0.20	0.21	0.22	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		0.05	0.07	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	0.21	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.19	0.19	
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	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		0.05	0.07	0.08	0.10	0.11	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: 10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	264.1	0.3	0.3	0.03	0.03
1.0-2.0	264.1	0.8	1.0	0.10	0.13
2.0-3.0	263.9	1.3	2.3	0.16	0.29
3.0-4.0	263.7	1.8	4.0	0.22	0.51
4.0-5.0	263.4	2.3	6.3	0.29	0.80
5.0-6.0	263.1	2.8	9.1	0.35	1.15
6.0-7.0	262.6	3.3	12.3	0.41	1.56
7.0-8.0	262.1	3.8	16.1	0.47	2.03
8.0-9.0	261.5	4.2	20.3	0.54	2.57
9.0-10.0	260.8	4.7	25.0	0.60	3.17
10.0-11.0	260.0	5.2	30.2	0.66	3.82
11.0-12.0	259.2	5.7	35.9	0.72	4.54
12.0-13.0	258.3	6.1	42.0	0.78	5.31
13.0-14.0	257.3	6.6	48.6	0.83	6.15
14.0-15.0	256.2	7.0	55.7	0.89	7.04
15.0-16.0	255.1	7.5	63.1	0.95	7.98
16.0-17.0	253.9	7.9	71.0	1.00	8.98
17.0-18.0	252.6	8.3	79.4	1.05	10.03
18.0-19.0	251.2	8.7	88.1	1.10	11.14
19.0-20.0	249.7	9.1	97.2	1.16	12.30
20.0-21.0	248.1	9.5	106.8	1.20	13.50
21.0-22.0	246.5	9.9	116.7	1.25	14.75
22.0-23.0	244.8	10.3	127.0	1.30	16.05
23.0-24.0	243.0	10.6	137.6	1.34	17.40
24.0-25.0	241.2	11.0	148.6	1.39	18.78
25.0-26.0	239.2	11.3	159.8	1.43	20.21
26.0-27.0	237.2	11.6	171.4	1.47	21.68
27.0-28.0	235.1	11.9	183.4	1.51	23.18
28.0-29.0	232.9	12.2	195.5	1.54	24.72
29.0-30.0	230.6	12.5	208.0	1.57	26.30
30.0-31.0	228.3	12.7	220.7	1.61	27.90
31.0-32.0	225.9	12.9	233.6	1.64	29.54
32.0-33.0	223.4	13.2	246.8	1.66	31.20
33.0-34.0	220.8	13.4	260.2	1.69	32.89
34.0-35.0	218.1	13.5	273.7	1.71	34.61
35.0-36.0	215.4	13.7	287.4	1.73	36.34

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	212.5	13.9	301.3	1.75	38.09
37.0-38.0	209.6	14.0	315.3	1.77	39.86
38.0-39.0	206.6	14.1	329.4	1.78	41.65
39.0-40.0	203.6	14.2	343.6	1.80	43.44
40.0-41.0	200.4	14.3	357.9	1.80	45.25
41.0-42.0	197.2	14.3	372.2	1.81	47.06
42.0-43.0	194.0	14.4	386.6	1.82	48.87
43.0-44.0	190.6	14.4	400.9	1.82	50.69
44.0-45.0	187.1	14.4	415.3	1.82	52.51
45.0-46.0	183.6	14.4	429.7	1.82	54.33
46.0-47.0	179.9	14.3	444.0	1.81	56.14
47.0-48.0	176.2	14.2	458.2	1.80	57.94
48.0-49.0	172.5	14.2	472.4	1.79	59.73
49.0-50.0	168.7	14.1	486.5	1.78	61.51
50.0-51.0	164.7	13.9	500.4	1.76	63.27
51.0-52.0	160.8	13.8	514.2	1.74	65.01
52.0-53.0	156.7	13.6	527.8	1.72	66.74
53.0-54.0	152.6	13.4	541.3	1.70	68.44
54.0-55.0	148.4	13.2	554.5	1.67	70.11
55.0-56.0	144.1	13.0	567.6	1.65	71.76
56.0-57.0	139.8	12.8	580.3	1.62	73.37
57.0-58.0	135.4	12.5	592.9	1.58	74.96
58.0-59.0	130.9	12.2	605.1	1.55	76.51
59.0-60.0	126.4	11.9	617.0	1.51	78.02
60.0-61.0	121.8	11.6	628.7	1.47	79.48
61.0-62.0	117.1	11.3	640.0	1.43	80.91
62.0-63.0	112.4	10.9	650.9	1.38	82.29
63.0-64.0	107.6	10.6	661.5	1.34	83.63
64.0-65.0	102.8	10.2	671.6	1.29	84.92
65.0-66.0	98.0	9.8	681.4	1.24	86.15
66.0-67.0	93.1	9.4	690.8	1.18	87.34
67.0-68.0	88.2	8.9	699.7	1.13	88.47
68.0-69.0	83.2	8.5	708.2	1.07	89.54
69.0-70.0	78.2	8.0	716.2	1.02	90.56
70.0-71.0	73.3	7.6	723.8	0.96	91.51
71.0-72.0	68.3	7.1	730.9	0.90	92.41

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	63.4	6.6	737.6	0.84	93.25
73.0-74.0	58.4	6.1	743.7	0.78	94.03
74.0-75.0	53.6	5.7	749.4	0.72	94.74
75.0-76.0	48.7	5.2	754.5	0.65	95.40
76.0-77.0	43.9	4.7	759.2	0.59	95.99
77.0-78.0	39.3	4.2	763.4	0.53	96.52
78.0-79.0	34.8	3.7	767.2	0.47	96.99
79.0-80.0	30.3	3.3	770.4	0.41	97.41
80.0-81.0	26.2	2.8	773.3	0.36	97.76
81.0-82.0	22.1	2.4	775.7	0.30	98.07
82.0-83.0	18.3	2.0	777.6	0.25	98.32
83.0-84.0	14.8	1.6	779.3	0.20	98.52
84.0-85.0	11.6	1.3	780.5	0.16	98.68
85.0-86.0	8.7	1.0	781.5	0.12	98.81
86.0-87.0	6.2	0.7	782.2	0.09	98.89
87.0-88.0	4.0	0.4	782.6	0.06	98.95
88.0-89.0	2.3	0.3	782.8	0.03	98.98
89.0-90.0	1.2	0.1	783.0	0.02	98.99
90.0-91.0	0.8	0.1	783.1	0.01	99.01
91.0-92.0	0.6	0.1	783.1	0.01	99.01
92.0-93.0	0.6	0.1	783.2	0.01	99.02
93.0-94.0	0.6	0.1	783.3	0.01	99.03
94.0-95.0	0.6	0.1	783.3	0.01	99.04
95.0-96.0	0.6	0.1	783.4	0.01	99.05
96.0-97.0	0.6	0.1	783.5	0.01	99.06
97.0-98.0	0.6	0.1	783.6	0.01	99.07
98.0-99.0	0.7	0.1	783.6	0.01	99.08
99.0-100.0	0.7	0.1	783.7	0.01	99.09
100.0-101.0	0.7	0.1	783.8	0.01	99.09
101.0-102.0	0.7	0.1	783.9	0.01	99.10
102.0-103.0	0.7	0.1	783.9	0.01	99.11
103.0-104.0	0.7	0.1	784.0	0.01	99.12
104.0-105.0	0.8	0.1	784.1	0.01	99.13
105.0-106.0	0.8	0.1	784.2	0.01	99.15
106.0-107.0	0.8	0.1	784.3	0.01	99.16
107.0-108.0	0.8	0.1	784.3	0.01	99.17

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

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

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.9	0.1	784.4	0.01	99.18
109.0-110.0	0.9	0.1	784.5	0.01	99.19
110.0-111.0	0.9	0.1	784.6	0.01	99.20
111.0-112.0	0.9	0.1	784.7	0.01	99.21
112.0-113.0	1.0	0.1	784.8	0.01	99.23
113.0-114.0	1.0	0.1	784.9	0.01	99.24
114.0-115.0	1.0	0.1	785.0	0.01	99.25
115.0-116.0	1.1	0.1	785.1	0.01	99.27
116.0-117.0	1.1	0.1	785.2	0.01	99.28
117.0-118.0	1.1	0.1	785.3	0.01	99.29
118.0-119.0	1.1	0.1	785.4	0.01	99.31
119.0-120.0	1.2	0.1	785.6	0.01	99.32
120.0-121.0	1.2	0.1	785.7	0.01	99.34
121.0-122.0	1.2	0.1	785.8	0.01	99.35
122.0-123.0	1.3	0.1	785.9	0.01	99.36
123.0-124.0	1.3	0.1	786.0	0.02	99.38
124.0-125.0	1.3	0.1	786.1	0.02	99.39
125.0-126.0	1.3	0.1	786.3	0.02	99.41
126.0-127.0	1.4	0.1	786.4	0.02	99.43
127.0-128.0	1.4	0.1	786.5	0.02	99.44
128.0-129.0	1.4	0.1	786.6	0.02	99.46
129.0-130.0	1.5	0.1	786.8	0.02	99.47
130.0-131.0	1.5	0.1	786.9	0.02	99.49
131.0-132.0	1.5	0.1	787.0	0.02	99.50
132.0-133.0	1.5	0.1	787.1	0.02	99.52
133.0-134.0	1.6	0.1	787.3	0.02	99.54
134.0-135.0	1.6	0.1	787.4	0.02	99.55
135.0-136.0	1.6	0.1	787.5	0.02	99.57
136.0-137.0	1.7	0.1	787.6	0.02	99.58
137.0-138.0	1.7	0.1	787.8	0.02	99.60
138.0-139.0	1.7	0.1	787.9	0.02	99.61
139.0-140.0	1.7	0.1	788.0	0.02	99.63
140.0-141.0	1.8	0.1	788.1	0.02	99.65
141.0-142.0	1.8	0.1	788.2	0.02	99.66
142.0-143.0	1.8	0.1	788.4	0.02	99.68
143.0-144.0	1.8	0.1	788.5	0.01	99.69

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	1.8	0.1	788.6	0.01	99.71
145.0-146.0	1.9	0.1	788.7	0.01	99.72
146.0-147.0	1.9	0.1	788.8	0.01	99.73
147.0-148.0	1.9	0.1	788.9	0.01	99.75
148.0-149.0	1.9	0.1	789.1	0.01	99.76
149.0-150.0	1.9	0.1	789.2	0.01	99.78
150.0-151.0	1.9	0.1	789.3	0.01	99.79
151.0-152.0	2.0	0.1	789.4	0.01	99.80
152.0-153.0	2.0	0.1	789.5	0.01	99.82
153.0-154.0	2.0	0.1	789.6	0.01	99.83
154.0-155.0	2.0	0.1	789.7	0.01	99.84
155.0-156.0	2.0	0.1	789.8	0.01	99.85
156.0-157.0	2.1	0.1	789.9	0.01	99.86
157.0-158.0	2.1	0.1	789.9	0.01	99.87
158.0-159.0	2.1	0.1	790.0	0.01	99.88
159.0-160.0	2.1	0.1	790.1	0.01	99.89
160.0-161.0	2.1	0.1	790.2	0.01	99.90
161.0-162.0	2.1	0.1	790.3	0.01	99.91
162.0-163.0	2.1	0.1	790.3	0.01	99.92
163.0-164.0	2.1	0.1	790.4	0.01	99.93
164.0-165.0	2.2	0.1	790.5	0.01	99.94
165.0-166.0	2.2	0.1	790.5	0.01	99.95
166.0-167.0	2.2	0.1	790.6	0.01	99.95
167.0-168.0	2.2	0.1	790.6	0.01	99.96
168.0-169.0	2.2	0.0	790.7	0.01	99.97
169.0-170.0	2.2	0.0	790.7	0.01	99.97
170.0-171.0	2.2	0.0	790.8	0.01	99.98
171.0-172.0	2.3	0.0	790.8	0.00	99.98
172.0-173.0	2.3	0.0	790.8	0.00	99.99
173.0-174.0	2.3	0.0	790.9	0.00	99.99
174.0-175.0	2.3	0.0	790.9	0.00	99.99
175.0-176.0	2.3	0.0	790.9	0.00	100.00
176.0-177.0	2.3	0.0	790.9	0.00	100.00
177.0-178.0	2.3	0.0	790.9	0.00	100.00
178.0-179.0	2.3	0.0	790.9	0.00	100.00
179.0-180.0	2.3	0.0	790.9	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: