

Report No.:

Test Time: 2021/12/30 14:26

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Double Row Ribbonlyte

Luminaire Description: DRRB0VWS2203.0VW

Lamp Catalog: 3527-2100+6200K

Number of Lamps: 280/M

Luminous Width (mm): 22

Voltage: 24.0 V

Power: 2.23 W

Lamp Description: 2100K

Luminous Length (mm): 500

Luminous Height (mm): 2

Current: 0.093 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 177.7 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H159.9,H112.7

Vertical Diffuse Angle(10%,50%): V159.8,V113.1

Luminaire Efficacy Rating (LER): 80

Max. Intensity: 61.73 cd

Total Rated Lamp Lumens: 177.7 lm

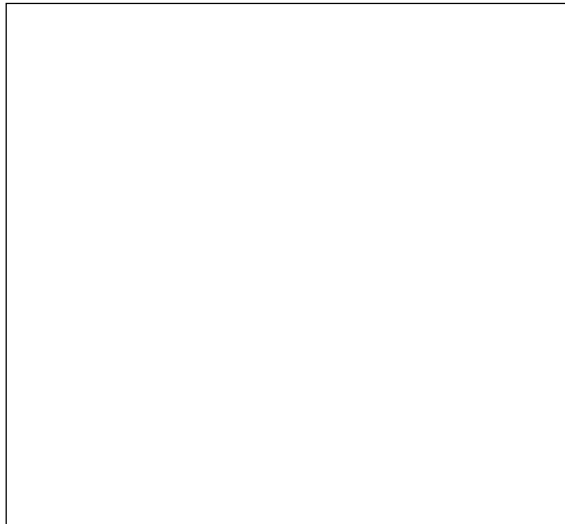
Efficiency: 100%

Upward Ratio: 1%

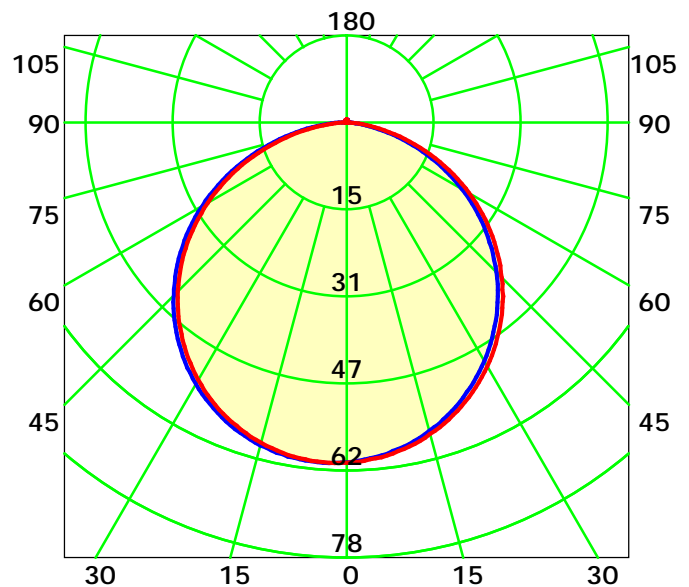
Central Intensity: 61.5 cd

Pos of Max. Intensity: H210 V5

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 112.9° Unit: cd

— C0-C180 — C90-C270

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

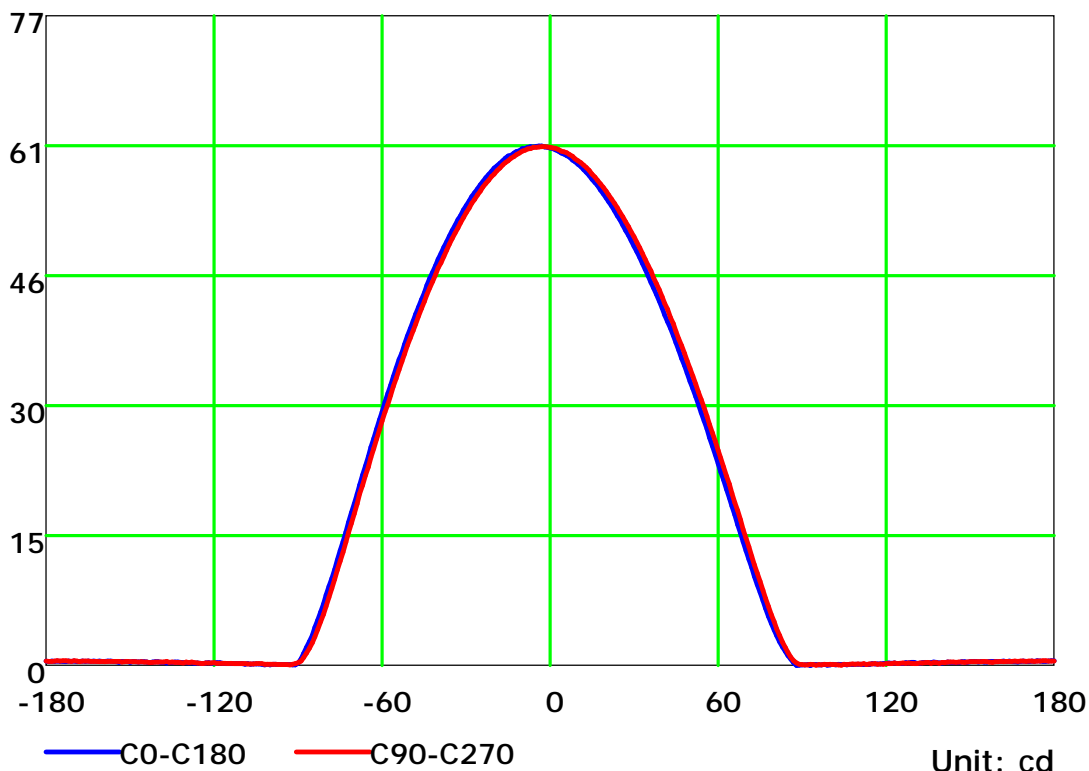
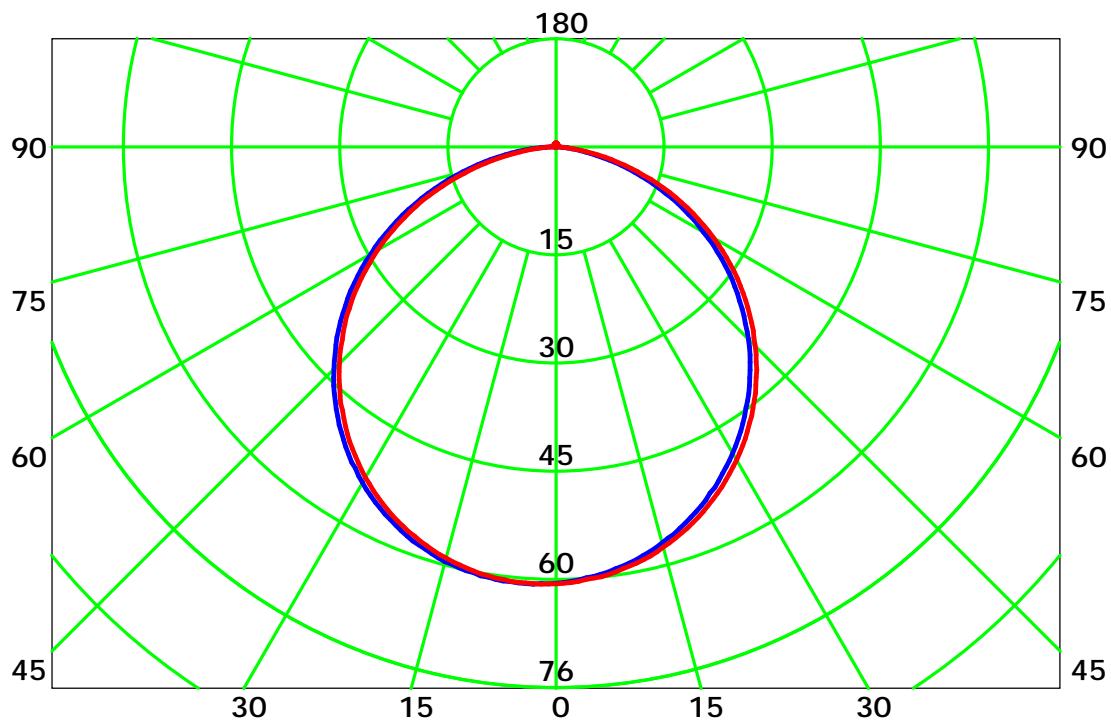
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

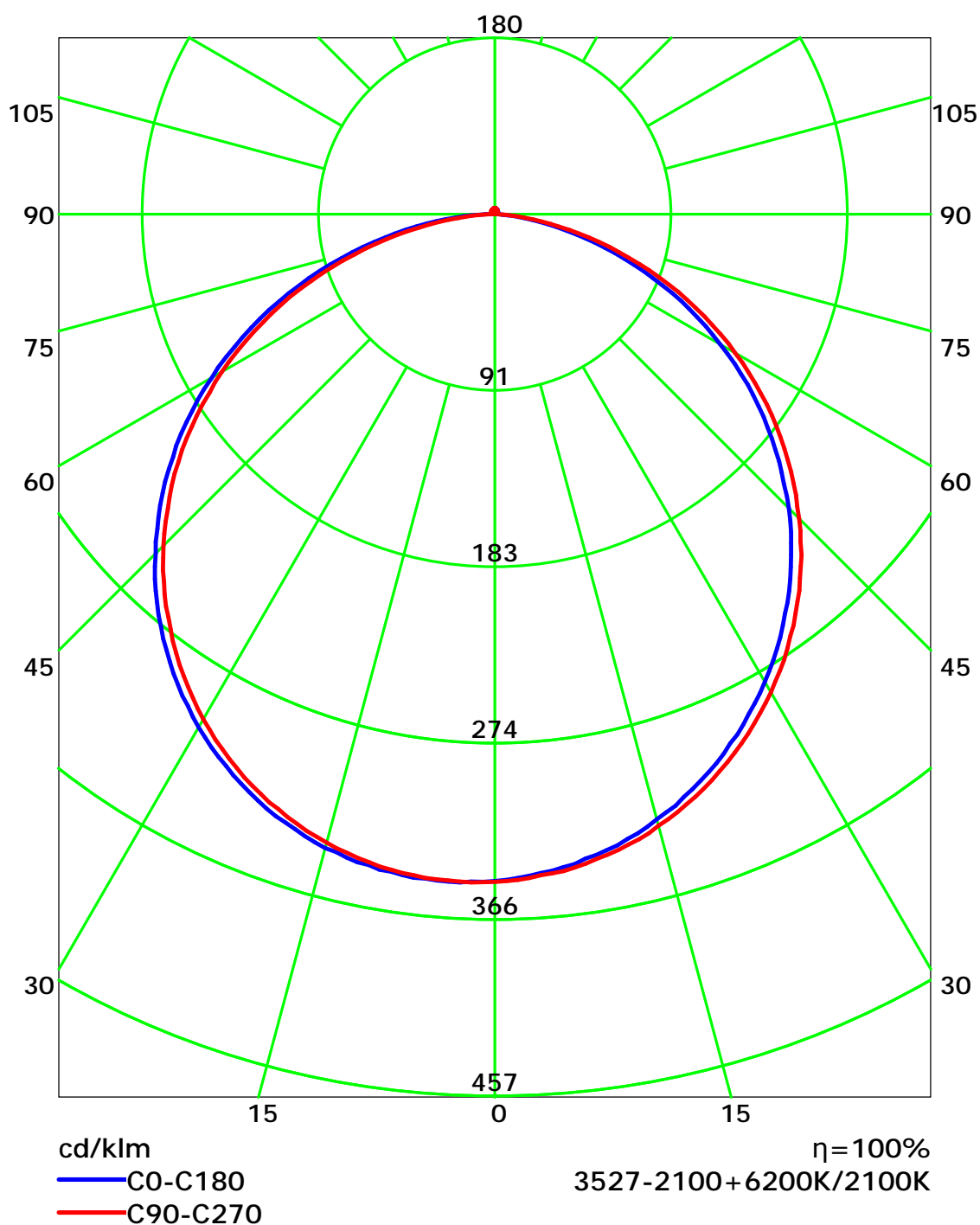
Luminous Intensity Distribution Curve



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:

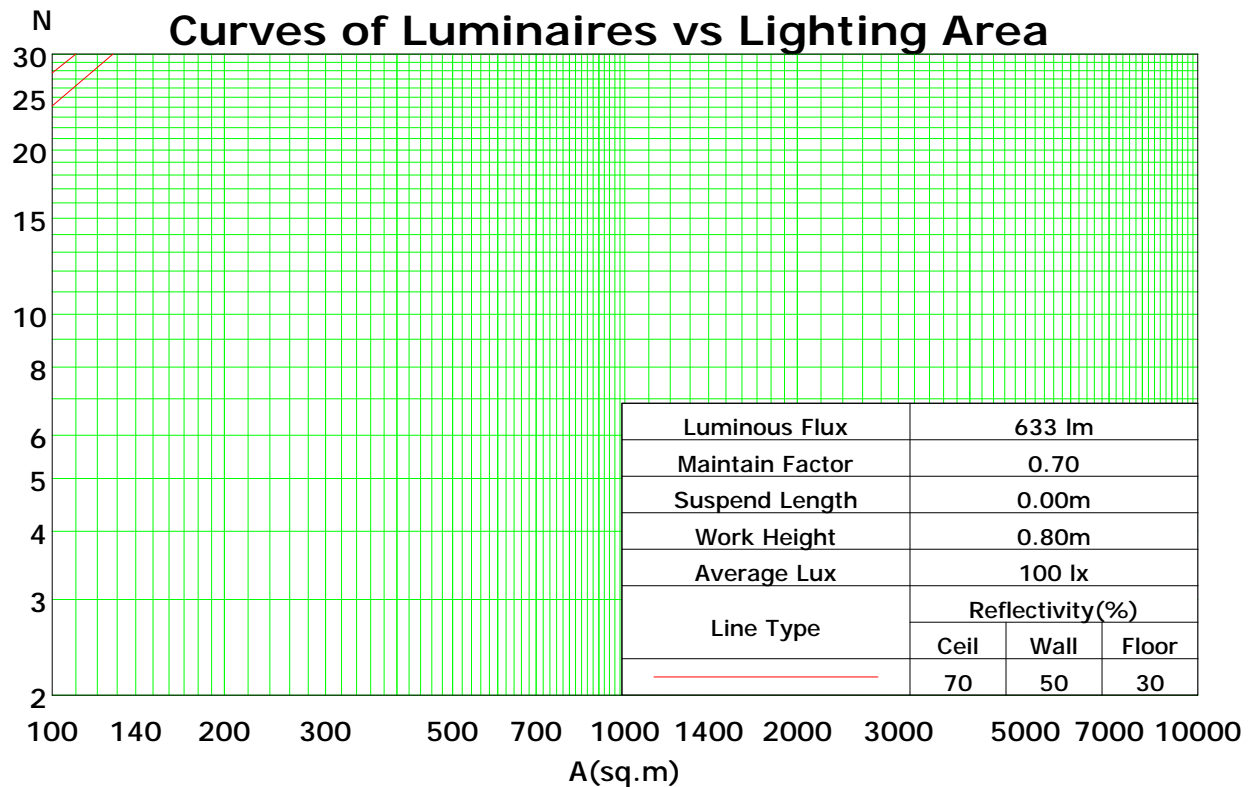
Coefficients Of Utilization - Zonal Cavity Method

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	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	61	56	52	50
5	76	63	54	47	73	62	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.26

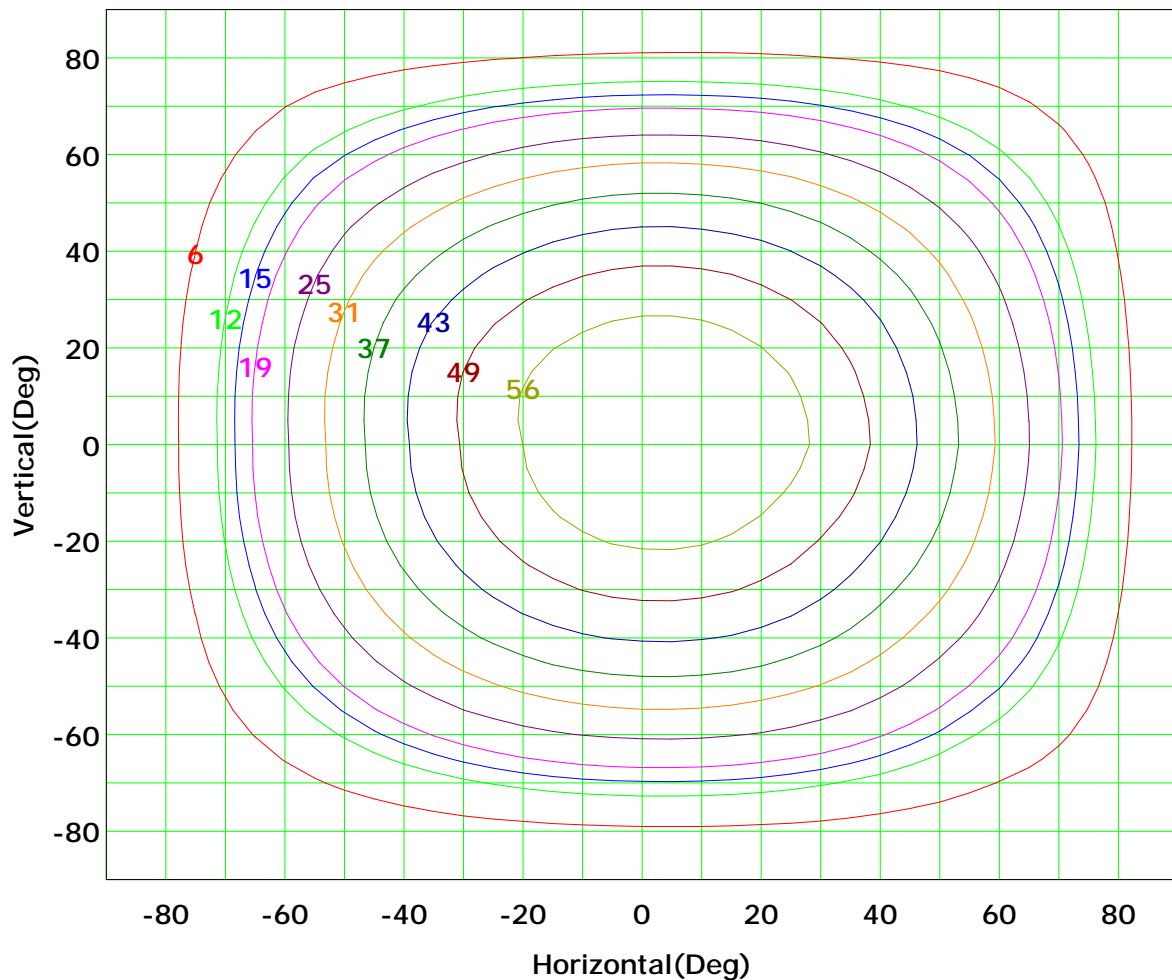
Spacing Criteria (Diagonal): 1.38



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)



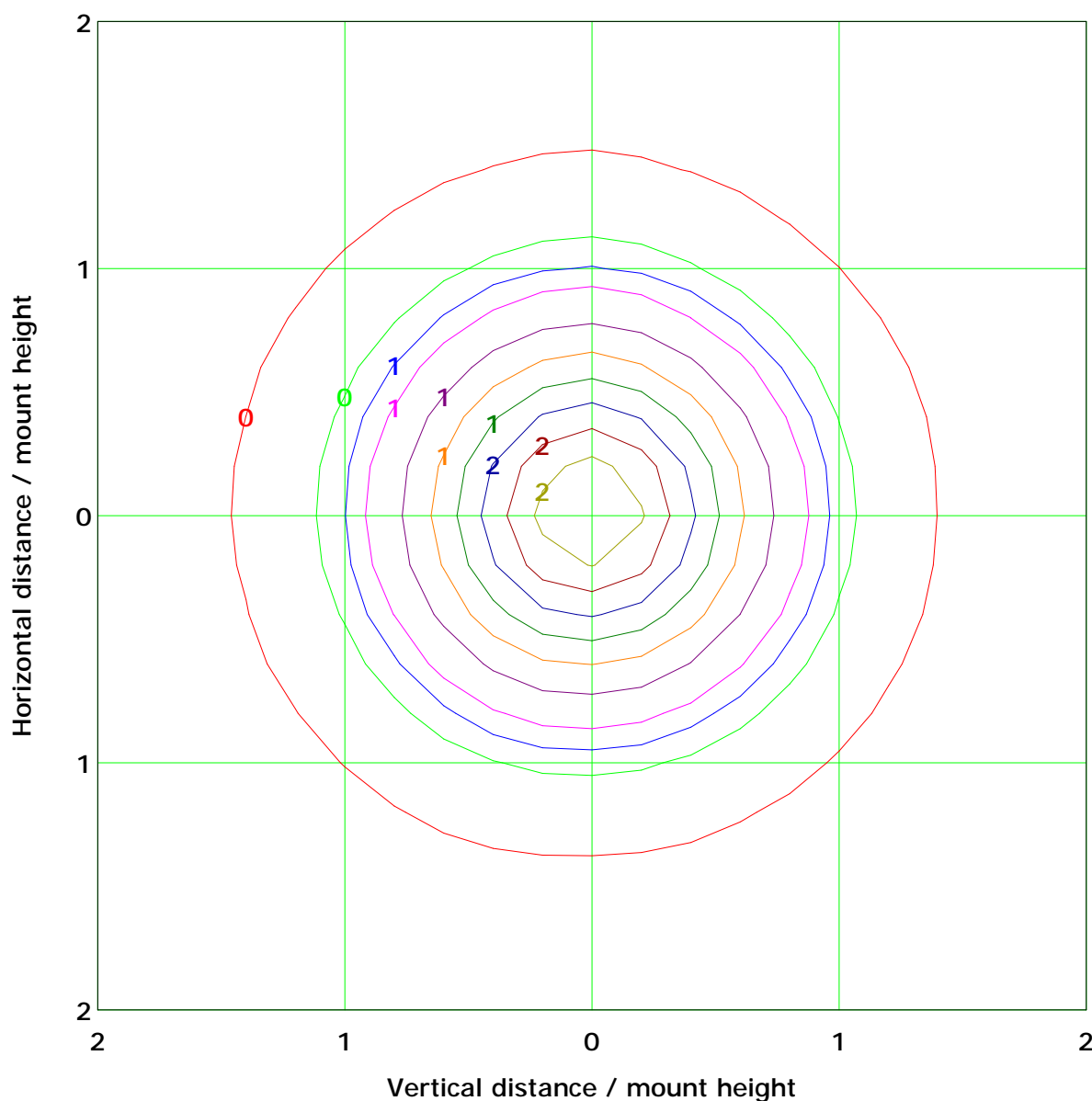
Imax (100%): 62 cd

(10%):	6 cd	(20%):	12 cd
(25%):	15 cd	(30%):	19 cd
(40%):	25 cd	(50%):	31 cd
(60%):	37 cd	(70%):	43 cd
(80%):	49 cd	(90%):	56 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%): 2.5 lx

(10%): 0.2 lx	(20%): 0.5 lx
(25%): 0.6 lx	(30%): 0.7 lx
(40%): 1.0 lx	(50%): 1.2 lx
(60%): 1.5 lx	(70%): 1.7 lx
(80%): 2.0 lx	(90%): 2.2 lx

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

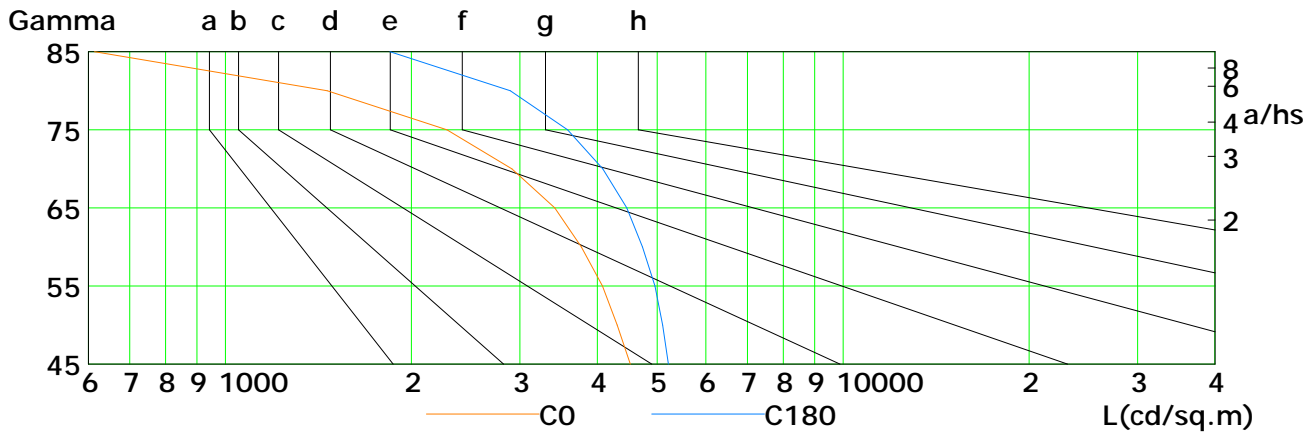
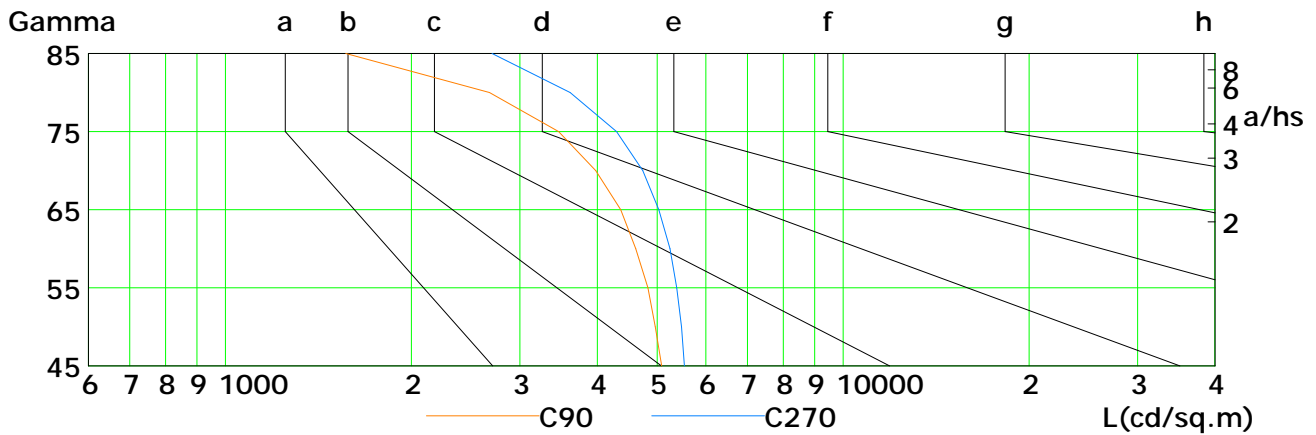
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



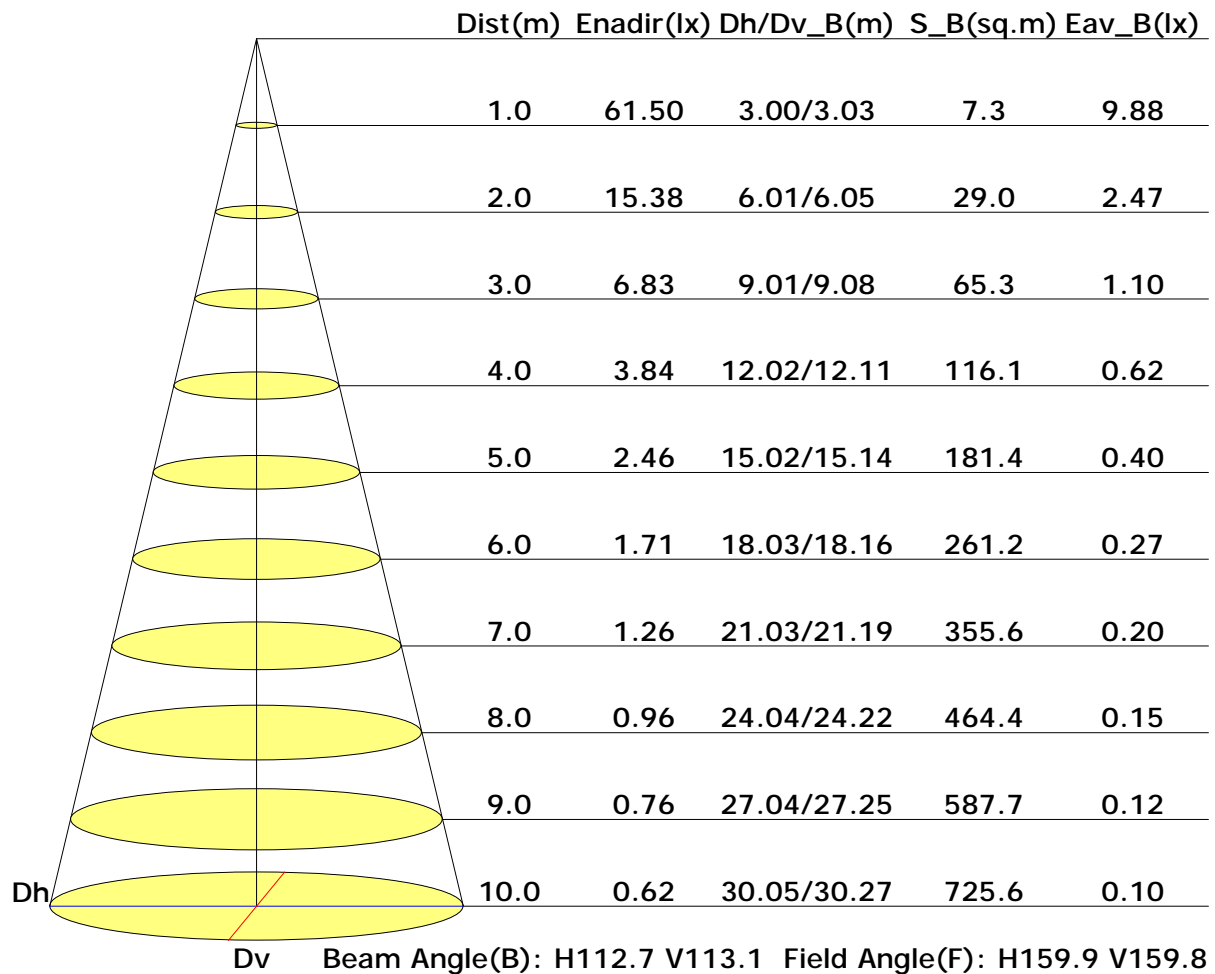
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4523	4310	4081	3770	3413	2909	2284	1461	614
C90	5084	4966	4832	4619	4368	3980	3464	2677	1566
C180	5216	5104	4959	4735	4464	4083	3583	2891	1847
C270	5536	5476	5377	5249	5031	4740	4298	3614	2703

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

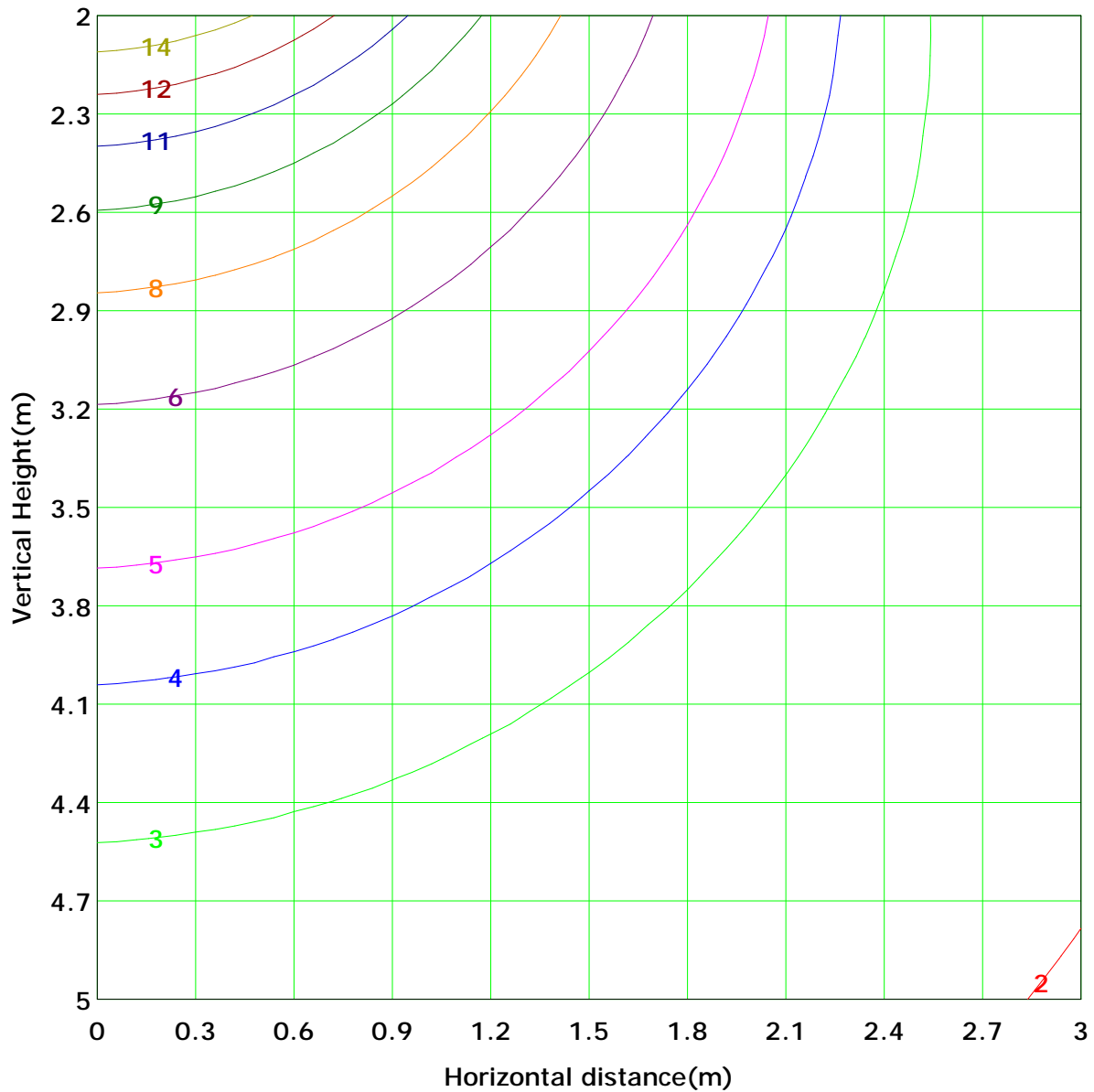
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 15.4 lx
(10%): 1.5 lx	(20%): 3.1 lx	
(25%): 3.8 lx	(30%): 4.6 lx	
(40%): 6.2 lx	(50%): 7.7 lx	
(60%): 9.2 lx	(70%): 10.8 lx	
(80%): 12.3 lx	(90%): 13.8 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

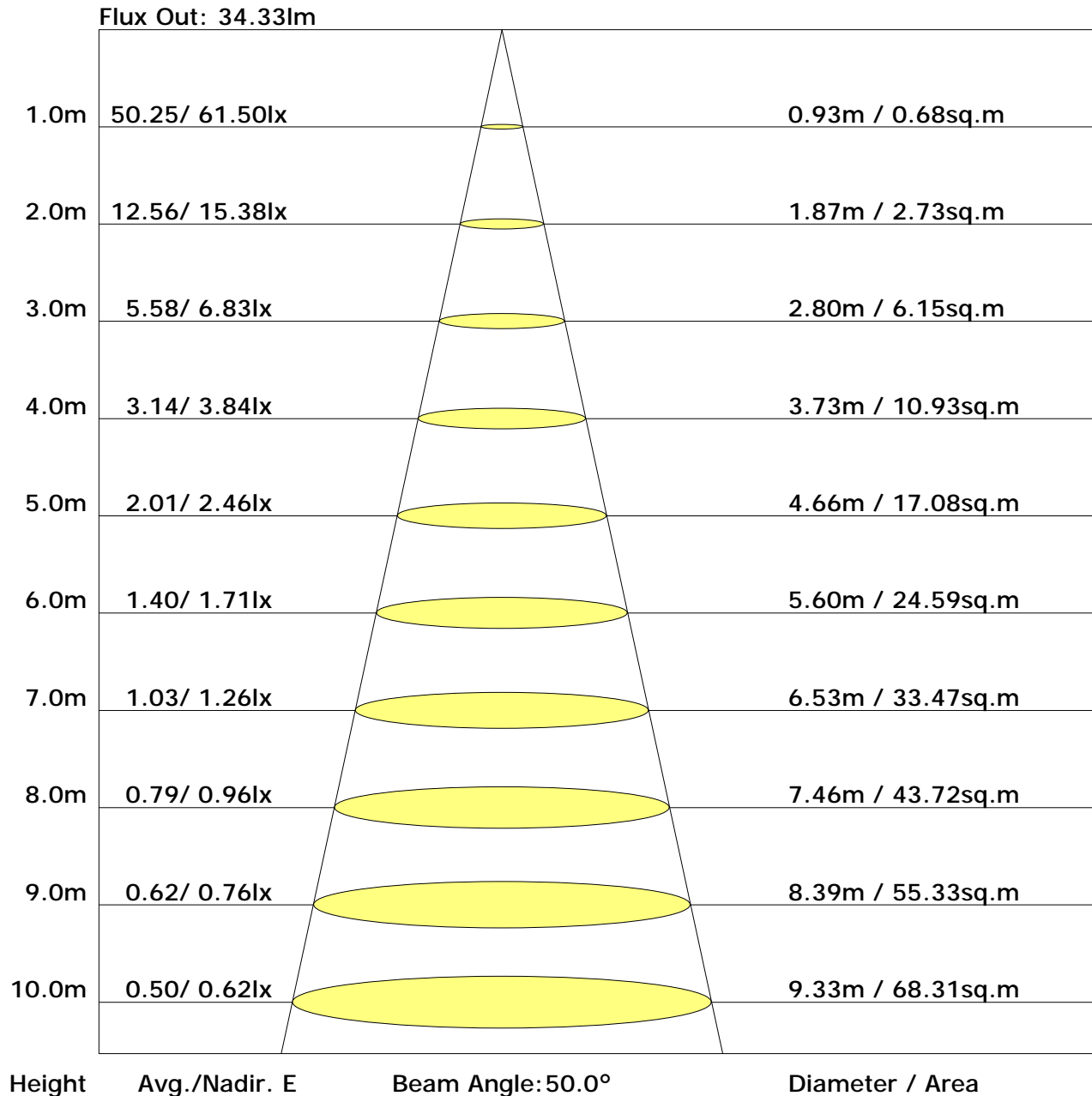
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.0
	-80	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	1.0	0.0
	-70	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.0	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.3	3.2	0.0
	-60	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	6.4	6.3	0.0
	-50	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	10.1	9.9	0.0
	-40	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	13.7	13.6	0.0
	-30	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	16.9	16.7	0.0
	-20	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	19.1	19.0	0.0
	-10	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	20.2	20.1	0.0
	0	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	20.0	19.9	0.0
	10	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	18.5	18.3	0.0
	20	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	15.9	15.7	0.0
	30	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	12.6	12.4	0.0
	40	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	8.9	8.8	0.0
	50	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.4	5.3	0.0
	60	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.4	0.0
	70	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.7	0.5	0.0
	80	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.1	0.0	0.0
	90	0.0	0.1	0.2	0.3	0.5	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	176	173	0.0
	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	176	173	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	23.1	24.7	23.5	25.0	25.4	23.0	24.6	23.4	24.9	25.3
3H	24.7	26.1	25.1	26.5	26.8	24.5	26.0	24.9	26.4	26.7
4H	25.2	26.5	25.6	26.9	27.3	25.0	26.4	25.5	26.8	27.2
6H	25.4	26.7	25.9	27.1	27.5	25.3	26.6	25.8	27.0	27.4
8H	25.5	26.7	25.9	27.1	27.5	25.4	26.6	25.8	27.0	27.4
12H	25.5	26.7	25.9	27.1	27.5	25.4	26.5	25.8	26.9	27.4
X=4H Y=2H	23.7	25.1	24.1	25.4	25.8	23.6	25.0	24.0	25.3	25.7
3H	25.5	26.6	25.9	27.1	27.5	25.4	26.5	25.8	26.9	27.3
4H	26.1	27.1	26.5	27.6	28.0	26.0	27.0	26.4	27.4	27.9
6H	26.5	27.4	26.9	27.8	28.3	26.3	27.2	26.8	27.7	28.2
8H	26.6	27.4	27.0	27.9	28.3	26.4	27.2	26.9	27.7	28.2
12H	26.6	27.3	27.1	27.8	28.3	26.4	27.2	26.9	27.7	28.2
X=8H Y=4H	26.4	27.2	26.8	27.7	28.1	26.2	27.0	26.7	27.5	28.0
6H	26.8	27.5	27.3	28.0	28.5	26.6	27.3	27.1	27.8	28.3
8H	26.9	27.6	27.5	28.1	28.6	26.7	27.4	27.3	27.9	28.4
12H	27.0	27.6	27.5	28.1	28.6	26.8	27.3	27.3	27.9	28.4
X=12H Y=4H	26.4	27.1	26.9	27.6	28.1	26.2	27.0	26.7	27.5	28.0
6H	26.8	27.5	27.4	28.0	28.5	26.7	27.3	27.2	27.8	28.3
8H	27.0	27.6	27.5	28.1	28.6	26.8	27.4	27.3	27.9	28.4

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	0.67	0.74	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.81	0.86	0.90	0.96	1.00
	0.20		0.43	0.53	0.61	0.67	0.76	0.82	0.86	0.92	0.96
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.88	0.92	0.96	0.99
	0.30		0.47	0.58	0.65	0.71	0.78	0.84	0.87	0.93	0.96
	0.20		0.42	0.53	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.63	0.69	0.74	0.81	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.89	0.92
	0.20		0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.69	0.74	0.77	0.82	0.85
Rating: 2W 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	1.00	0.82	0.70	0.61	0.49	0.40	0.34	0.27	0.22	
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.62	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.58	0.46	0.42	0.33	0.25	0.21	
	0.30		0.81	0.69	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.71	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.36	0.31	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.29	0.23	0.19	
	0.20		0.70	0.60	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.30	0.25	0.22	0.17	0.14	
Rating: 2W 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		0.06	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	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.06	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	0.19	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		0.06	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: 2W 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	61.5	0.1	0.1	0.03	0.03
1.0-2.0	61.5	0.2	0.2	0.10	0.13
2.0-3.0	61.5	0.3	0.5	0.17	0.30
3.0-4.0	61.4	0.4	0.9	0.23	0.53
4.0-5.0	61.3	0.5	1.5	0.30	0.83
5.0-6.0	61.2	0.6	2.1	0.36	1.19
6.0-7.0	61.1	0.8	2.9	0.43	1.62
7.0-8.0	61.0	0.9	3.7	0.49	2.11
8.0-9.0	60.8	1.0	4.7	0.55	2.66
9.0-10.0	60.6	1.1	5.8	0.62	3.28
10.0-11.0	60.4	1.2	7.0	0.68	3.96
11.0-12.0	60.2	1.3	8.3	0.74	4.70
12.0-13.0	59.9	1.4	9.8	0.80	5.50
13.0-14.0	59.6	1.5	11.3	0.86	6.36
14.0-15.0	59.3	1.6	12.9	0.92	7.27
15.0-16.0	59.0	1.7	14.7	0.97	8.25
16.0-17.0	58.7	1.8	16.5	1.03	9.28
17.0-18.0	58.4	1.9	18.4	1.08	10.36
18.0-19.0	58.0	2.0	20.4	1.13	11.49
19.0-20.0	57.6	2.1	22.5	1.19	12.68
20.0-21.0	57.2	2.2	24.7	1.24	13.91
21.0-22.0	56.7	2.3	27.0	1.28	15.20
22.0-23.0	56.3	2.4	29.4	1.33	16.53
23.0-24.0	55.8	2.4	31.8	1.37	17.90
24.0-25.0	55.3	2.5	34.3	1.42	19.32
25.0-26.0	54.8	2.6	36.9	1.46	20.77
26.0-27.0	54.3	2.7	39.6	1.49	22.27
27.0-28.0	53.7	2.7	42.3	1.53	23.80
28.0-29.0	53.2	2.8	45.1	1.57	25.36
29.0-30.0	52.6	2.8	47.9	1.60	26.96
30.0-31.0	52.0	2.9	50.8	1.63	28.59
31.0-32.0	51.4	2.9	53.8	1.66	30.25
32.0-33.0	50.8	3.0	56.7	1.68	31.93
33.0-34.0	50.1	3.0	59.8	1.71	33.63
34.0-35.0	49.4	3.1	62.8	1.73	35.36
35.0-36.0	48.7	3.1	66.0	1.75	37.11

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	48.0	3.1	69.1	1.76	38.87
37.0-38.0	47.3	3.2	72.2	1.78	40.65
38.0-39.0	46.6	3.2	75.4	1.79	42.44
39.0-40.0	45.8	3.2	78.6	1.80	44.24
40.0-41.0	45.1	3.2	81.8	1.81	46.04
41.0-42.0	44.3	3.2	85.1	1.81	47.85
42.0-43.0	43.5	3.2	88.3	1.81	49.67
43.0-44.0	42.7	3.2	91.5	1.81	51.48
44.0-45.0	41.9	3.2	94.7	1.81	53.29
45.0-46.0	41.0	3.2	97.9	1.80	55.09
46.0-47.0	40.1	3.2	101.1	1.80	56.89
47.0-48.0	39.2	3.2	104.3	1.79	58.67
48.0-49.0	38.4	3.2	107.4	1.77	60.45
49.0-50.0	37.5	3.1	110.6	1.76	62.21
50.0-51.0	36.6	3.1	113.7	1.74	63.95
51.0-52.0	35.6	3.1	116.7	1.72	65.67
52.0-53.0	34.7	3.0	119.7	1.70	67.37
53.0-54.0	33.7	3.0	122.7	1.67	69.04
54.0-55.0	32.8	2.9	125.6	1.65	70.69
55.0-56.0	31.8	2.9	128.5	1.62	72.30
56.0-57.0	30.8	2.8	131.3	1.59	73.89
57.0-58.0	29.8	2.8	134.1	1.55	75.44
58.0-59.0	28.8	2.7	136.8	1.52	76.96
59.0-60.0	27.8	2.6	139.4	1.48	78.43
60.0-61.0	26.7	2.6	142.0	1.44	79.87
61.0-62.0	25.7	2.5	144.4	1.39	81.26
62.0-63.0	24.7	2.4	146.8	1.35	82.61
63.0-64.0	23.6	2.3	149.1	1.30	83.92
64.0-65.0	22.5	2.2	151.4	1.25	85.17
65.0-66.0	21.4	2.1	153.5	1.20	86.37
66.0-67.0	20.4	2.0	155.6	1.15	87.52
67.0-68.0	19.3	2.0	157.5	1.10	88.62
68.0-69.0	18.2	1.9	159.4	1.04	89.67
69.0-70.0	17.1	1.8	161.1	0.99	90.66
70.0-71.0	16.0	1.7	162.8	0.93	91.59
71.0-72.0	14.9	1.6	164.3	0.87	92.46

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	13.8	1.4	165.8	0.81	93.27
73.0-74.0	12.8	1.3	167.1	0.76	94.03
74.0-75.0	11.7	1.2	168.4	0.70	94.73
75.0-76.0	10.7	1.1	169.5	0.64	95.36
76.0-77.0	9.6	1.0	170.5	0.58	95.94
77.0-78.0	8.6	0.9	171.4	0.52	96.46
78.0-79.0	7.6	0.8	172.3	0.46	96.92
79.0-80.0	6.7	0.7	173.0	0.41	97.33
80.0-81.0	5.8	0.6	173.6	0.35	97.68
81.0-82.0	4.9	0.5	174.1	0.30	97.98
82.0-83.0	4.1	0.4	174.6	0.25	98.23
83.0-84.0	3.3	0.4	175.0	0.21	98.44
84.0-85.0	2.6	0.3	175.2	0.16	98.60
85.0-86.0	2.0	0.2	175.5	0.12	98.72
86.0-87.0	1.5	0.2	175.6	0.09	98.81
87.0-88.0	1.0	0.1	175.7	0.06	98.87
88.0-89.0	0.6	0.1	175.8	0.04	98.91
89.0-90.0	0.4	0.0	175.8	0.02	98.94
90.0-91.0	0.2	0.0	175.9	0.02	98.95
91.0-92.0	0.2	0.0	175.9	0.01	98.96
92.0-93.0	0.1	0.0	175.9	0.01	98.97
93.0-94.0	0.2	0.0	175.9	0.01	98.98
94.0-95.0	0.2	0.0	175.9	0.01	98.99
95.0-96.0	0.1	0.0	176.0	0.01	99.00
96.0-97.0	0.2	0.0	176.0	0.01	99.01
97.0-98.0	0.2	0.0	176.0	0.01	99.02
98.0-99.0	0.2	0.0	176.0	0.01	99.03
99.0-100.0	0.2	0.0	176.0	0.01	99.04
100.0-101.0	0.2	0.0	176.0	0.01	99.05
101.0-102.0	0.2	0.0	176.1	0.01	99.06
102.0-103.0	0.2	0.0	176.1	0.01	99.07
103.0-104.0	0.2	0.0	176.1	0.01	99.08
104.0-105.0	0.2	0.0	176.1	0.01	99.09
105.0-106.0	0.2	0.0	176.1	0.01	99.11
106.0-107.0	0.2	0.0	176.2	0.01	99.12
107.0-108.0	0.2	0.0	176.2	0.01	99.13

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	0.2	0.0	176.2	0.01	99.14
109.0-110.0	0.2	0.0	176.2	0.01	99.15
110.0-111.0	0.2	0.0	176.2	0.01	99.16
111.0-112.0	0.2	0.0	176.3	0.01	99.18
112.0-113.0	0.2	0.0	176.3	0.01	99.19
113.0-114.0	0.2	0.0	176.3	0.01	99.20
114.0-115.0	0.2	0.0	176.3	0.01	99.22
115.0-116.0	0.3	0.0	176.4	0.01	99.23
116.0-117.0	0.3	0.0	176.4	0.01	99.24
117.0-118.0	0.3	0.0	176.4	0.01	99.26
118.0-119.0	0.3	0.0	176.4	0.01	99.27
119.0-120.0	0.3	0.0	176.5	0.01	99.29
120.0-121.0	0.3	0.0	176.5	0.02	99.30
121.0-122.0	0.3	0.0	176.5	0.02	99.32
122.0-123.0	0.3	0.0	176.5	0.02	99.33
123.0-124.0	0.3	0.0	176.6	0.02	99.35
124.0-125.0	0.3	0.0	176.6	0.02	99.36
125.0-126.0	0.3	0.0	176.6	0.02	99.38
126.0-127.0	0.3	0.0	176.7	0.02	99.40
127.0-128.0	0.3	0.0	176.7	0.02	99.41
128.0-129.0	0.3	0.0	176.7	0.02	99.43
129.0-130.0	0.4	0.0	176.7	0.02	99.45
130.0-131.0	0.4	0.0	176.8	0.02	99.46
131.0-132.0	0.3	0.0	176.8	0.02	99.48
132.0-133.0	0.4	0.0	176.8	0.02	99.49
133.0-134.0	0.4	0.0	176.9	0.02	99.51
134.0-135.0	0.4	0.0	176.9	0.02	99.53
135.0-136.0	0.4	0.0	176.9	0.02	99.55
136.0-137.0	0.4	0.0	177.0	0.02	99.56
137.0-138.0	0.4	0.0	177.0	0.02	99.58
138.0-139.0	0.4	0.0	177.0	0.02	99.59
139.0-140.0	0.4	0.0	177.0	0.02	99.61
140.0-141.0	0.4	0.0	177.1	0.02	99.63
141.0-142.0	0.4	0.0	177.1	0.02	99.64
142.0-143.0	0.4	0.0	177.1	0.02	99.66
143.0-144.0	0.4	0.0	177.2	0.02	99.67

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	0.4	0.0	177.2	0.02	99.69
145.0-146.0	0.4	0.0	177.2	0.01	99.70
146.0-147.0	0.4	0.0	177.2	0.02	99.72
147.0-148.0	0.5	0.0	177.3	0.01	99.73
148.0-149.0	0.5	0.0	177.3	0.01	99.75
149.0-150.0	0.5	0.0	177.3	0.01	99.76
150.0-151.0	0.5	0.0	177.3	0.01	99.78
151.0-152.0	0.5	0.0	177.4	0.01	99.79
152.0-153.0	0.5	0.0	177.4	0.01	99.80
153.0-154.0	0.5	0.0	177.4	0.01	99.82
154.0-155.0	0.5	0.0	177.4	0.01	99.83
155.0-156.0	0.5	0.0	177.5	0.01	99.84
156.0-157.0	0.5	0.0	177.5	0.01	99.85
157.0-158.0	0.5	0.0	177.5	0.01	99.87
158.0-159.0	0.5	0.0	177.5	0.01	99.88
159.0-160.0	0.5	0.0	177.5	0.01	99.89
160.0-161.0	0.5	0.0	177.6	0.01	99.90
161.0-162.0	0.5	0.0	177.6	0.01	99.91
162.0-163.0	0.5	0.0	177.6	0.01	99.92
163.0-164.0	0.5	0.0	177.6	0.01	99.93
164.0-165.0	0.5	0.0	177.6	0.01	99.94
165.0-166.0	0.5	0.0	177.6	0.01	99.94
166.0-167.0	0.5	0.0	177.6	0.01	99.95
167.0-168.0	0.5	0.0	177.7	0.01	99.96
168.0-169.0	0.5	0.0	177.7	0.01	99.96
169.0-170.0	0.5	0.0	177.7	0.01	99.97
170.0-171.0	0.5	0.0	177.7	0.01	99.98
171.0-172.0	0.5	0.0	177.7	0.00	99.98
172.0-173.0	0.5	0.0	177.7	0.00	99.99
173.0-174.0	0.6	0.0	177.7	0.00	99.99
174.0-175.0	0.5	0.0	177.7	0.00	99.99
175.0-176.0	0.6	0.0	177.7	0.00	100.00
176.0-177.0	0.6	0.0	177.7	0.00	100.00
177.0-178.0	0.5	0.0	177.7	0.00	100.00
178.0-179.0	0.5	0.0	177.7	0.00	100.00
179.0-180.0	0.5	0.0	177.7	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: