

Report No.:

Test Time: 2023/2/21 16:30

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: 大炮

Lamp Catalog: RGBW

Luminous Width (mm): 70

Voltage: 219.4 V

Power: 32.48 W

Luminaire Description: HD30°+3M

Luminous Length (mm): 270

Luminous Height (mm): 20

Current: 0.159 A

Power Factor: 0.931

Photometric Results

CIE Class: Direct

Measurement Flux: 1134.4 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H83.9,H32

Vertical Diffuse Angle(10%,50%): V74.4,V32.6

Luminaire Efficacy Rating (LER): 35

Max. Intensity: 2035.59 cd

Total Rated Lamp Lumens: 1134.4 lm

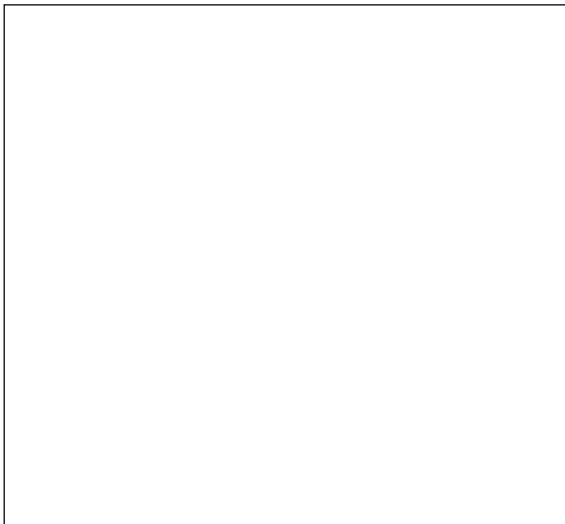
Efficiency: 100%

Upward Ratio: 2%

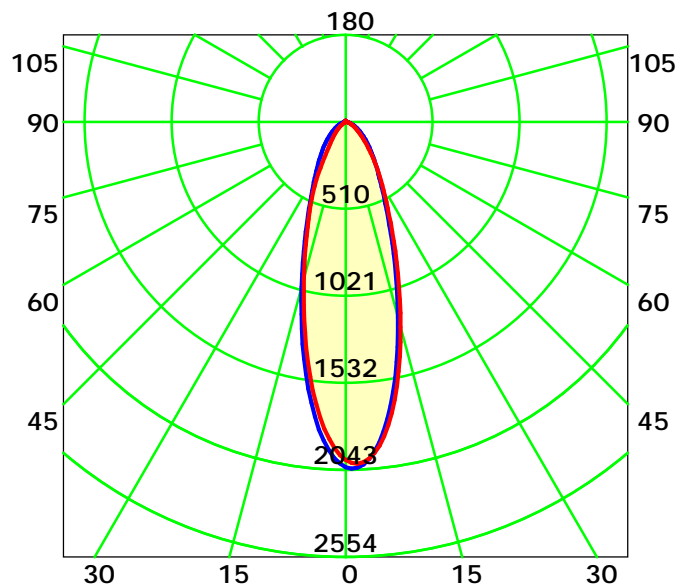
Central Intensity: 2026.99 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 32.3° 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

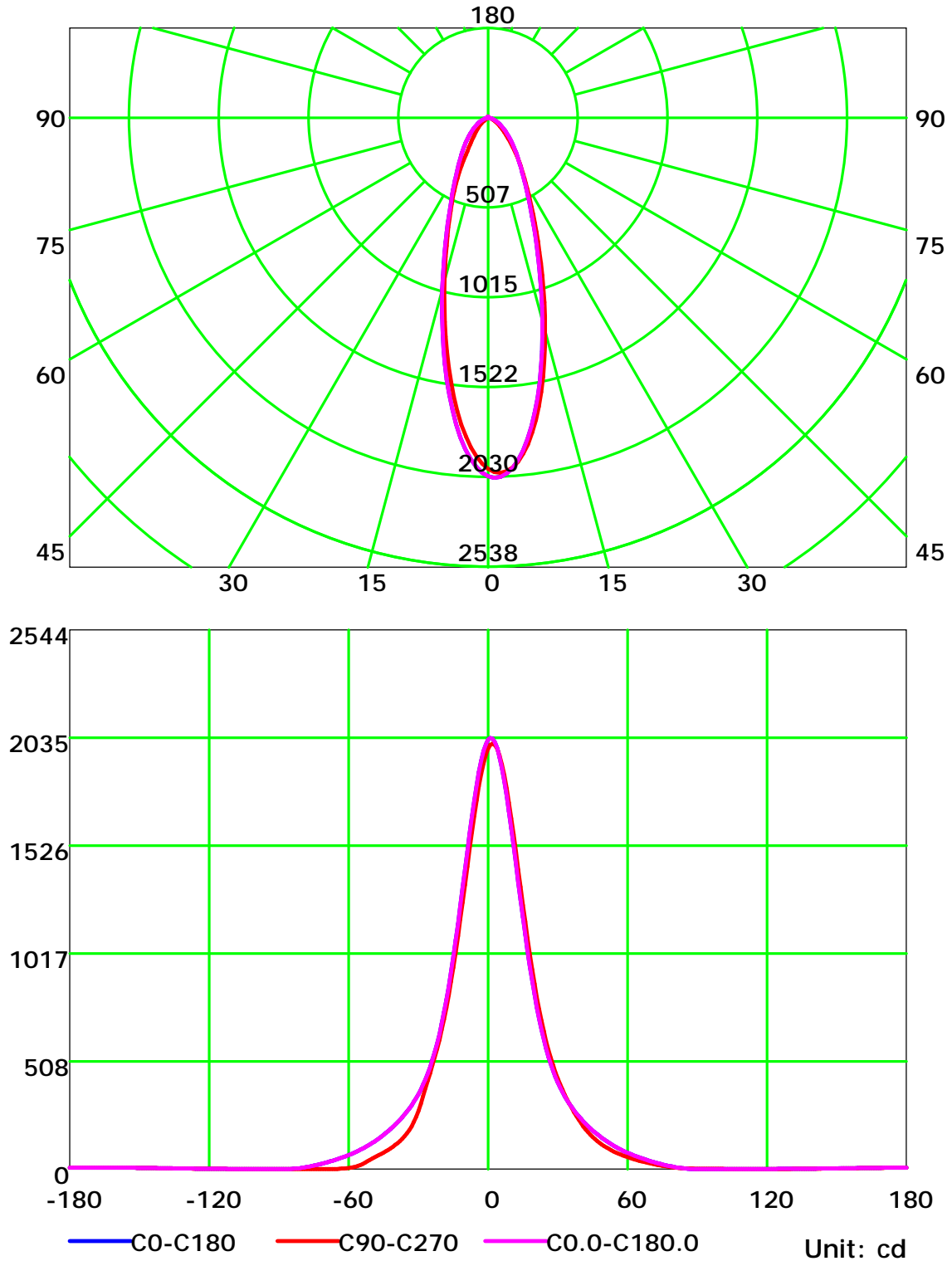
Distance: 9.028 m

Humidity: 60%

Inspector:



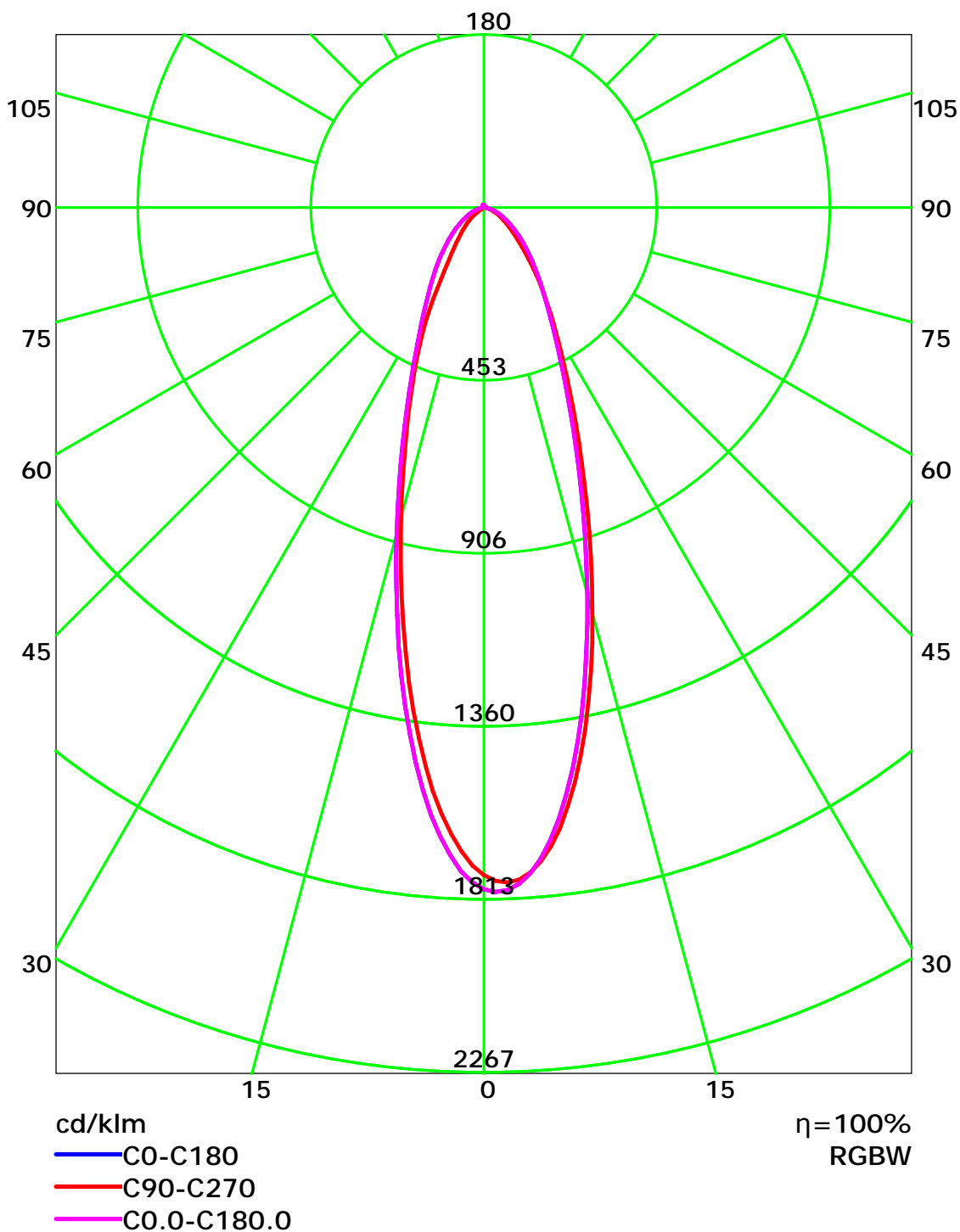
Luminous Intensity Distribution Curve



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:

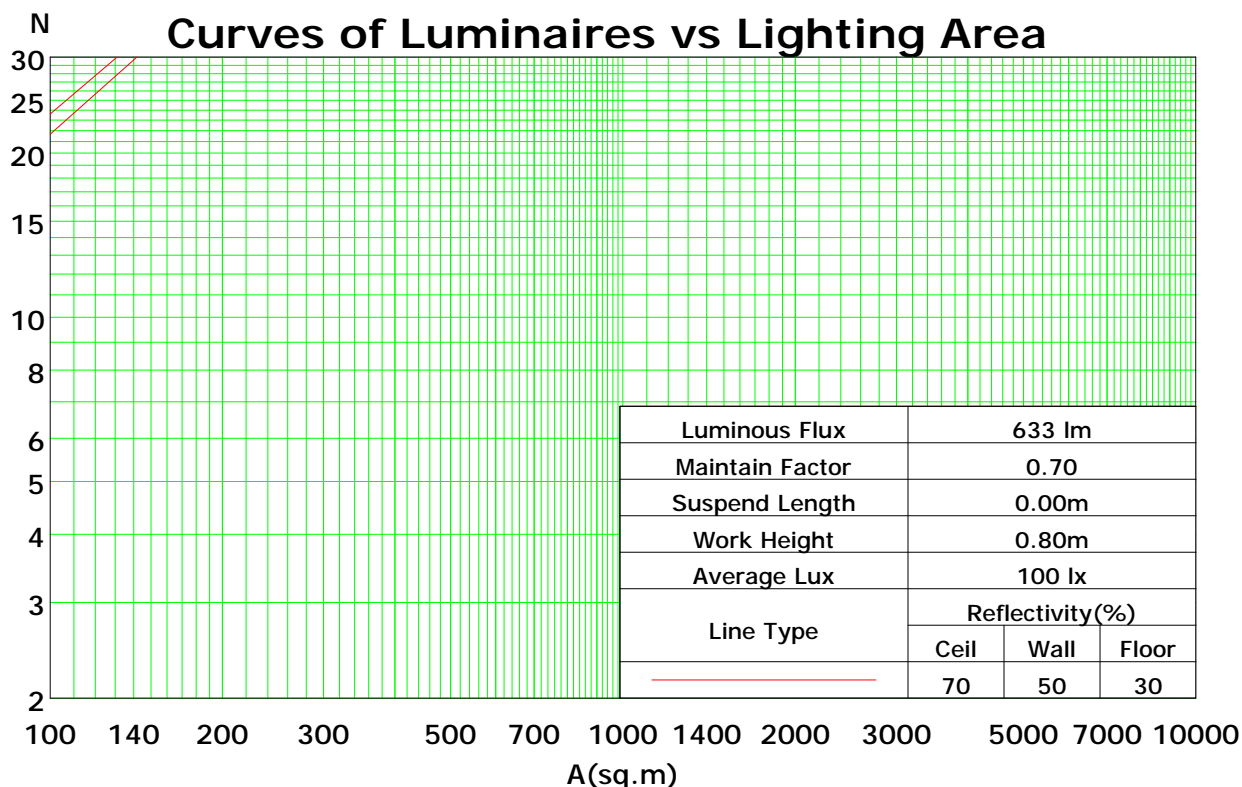
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	100	100	100	98
1	112	109	106	104	110	107	104	102	102	100	98	98	97	95	94	93	92	90
2	106	100	96	92	103	99	94	91	95	92	89	92	89	86	89	86	84	83
3	100	93	87	83	98	91	86	82	88	84	81	86	82	79	83	80	78	76
4	94	86	80	76	92	85	79	75	82	78	74	80	76	73	78	75	72	70
5	89	80	74	69	88	79	73	69	77	72	68	75	71	67	74	70	67	65
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61
7	81	71	64	60	79	70	64	60	69	63	59	67	62	59	66	62	58	57
8	77	67	61	56	75	66	60	56	65	60	56	64	59	55	63	58	55	54
9	73	63	57	53	72	63	57	53	62	56	53	61	56	52	60	55	52	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	52	49	48

Spacing Criteria (0-180): 0.53

Spacing Criteria (90-270): 0.54

Spacing Criteria (Diagonal): 0.58



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

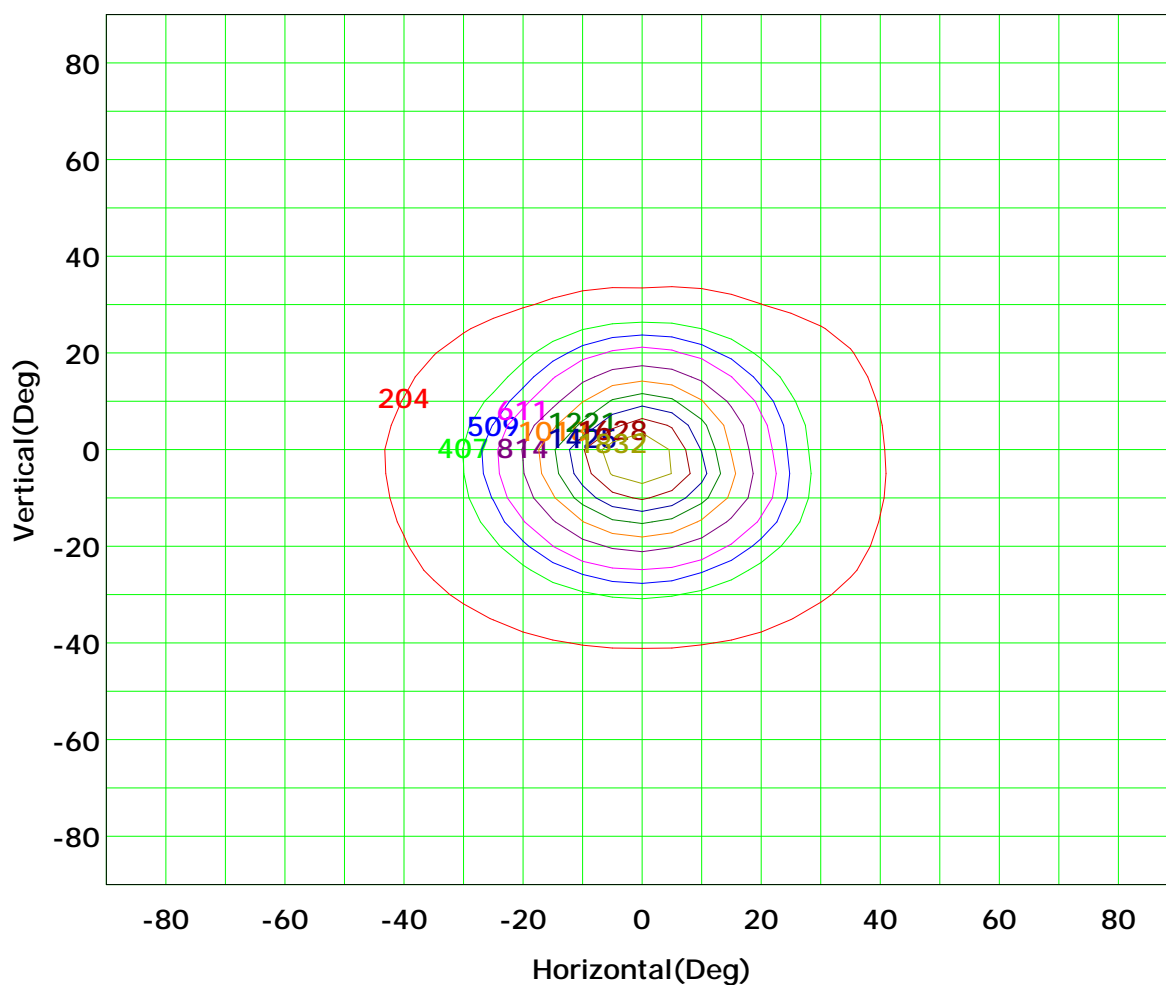
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



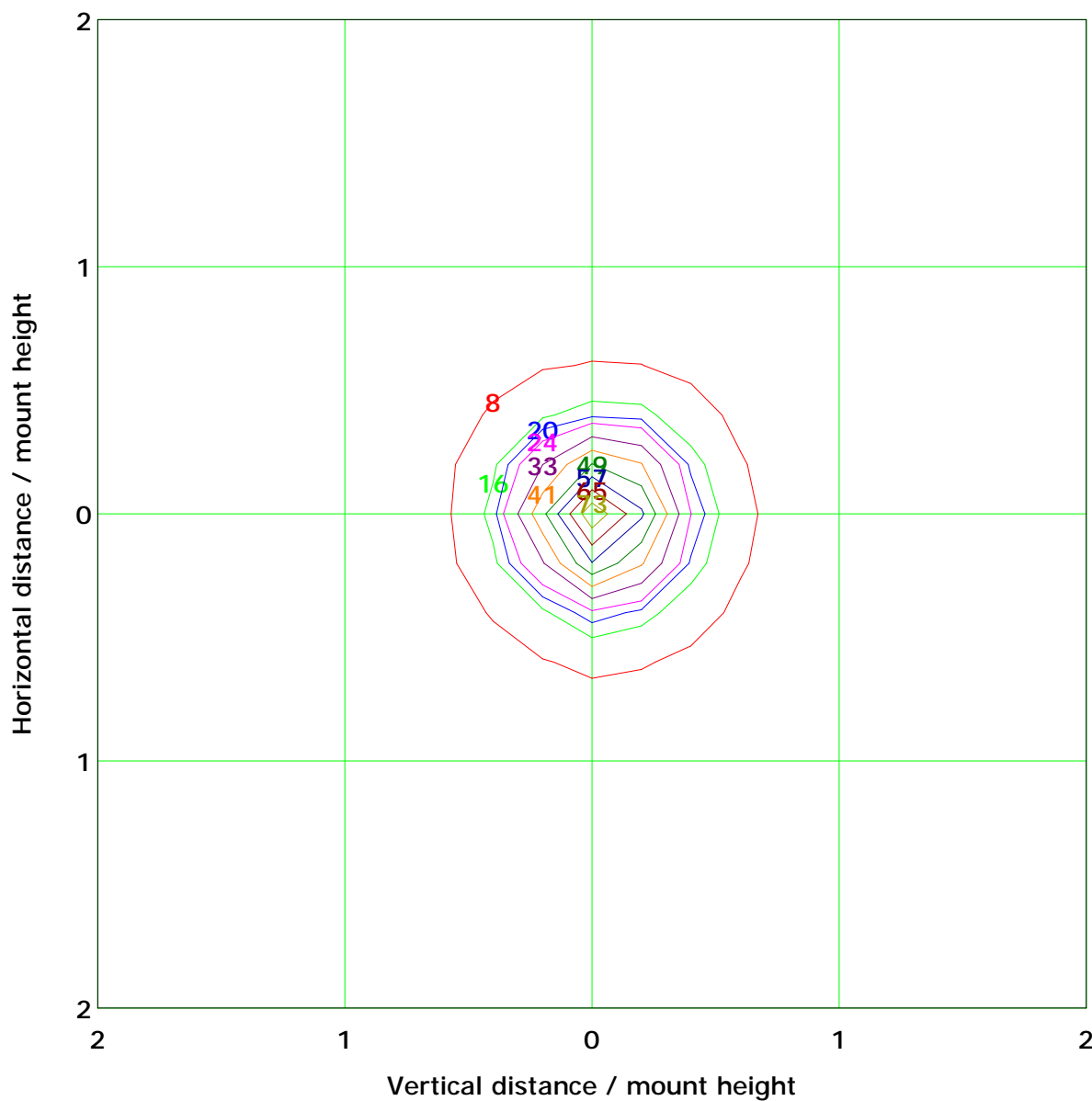
Imax (100%): 2036 cd

(10%): 204 cd	(20%): 407 cd
(25%): 509 cd	(30%): 611 cd
(40%): 814 cd	(50%): 1018 cd
(60%): 1221 cd	(70%): 1425 cd
(80%): 1628 cd	(90%): 1832 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%): 81.4 lx	
(10%): 8.1 lx	(20%): 16.3 lx
(25%): 20.3 lx	(30%): 24.4 lx
(40%): 32.6 lx	(50%): 40.7 lx
(60%): 48.8 lx	(70%): 57.0 lx
(80%): 65.1 lx	(90%): 73.2 lx

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

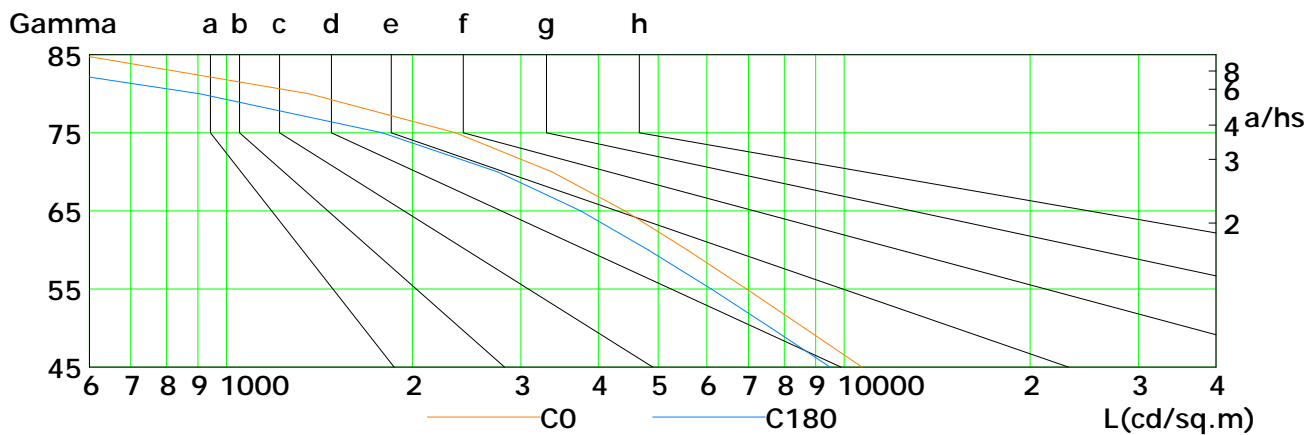
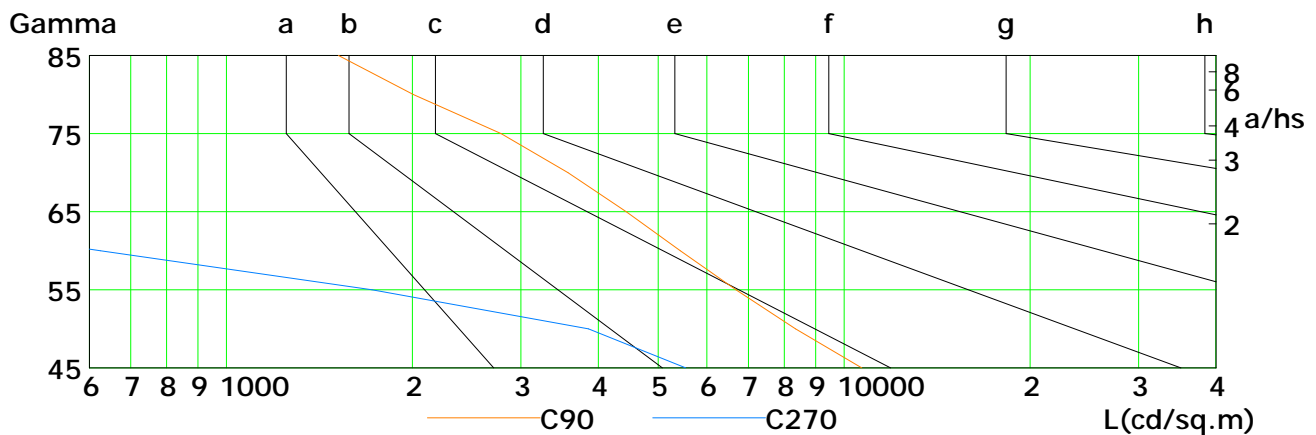
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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

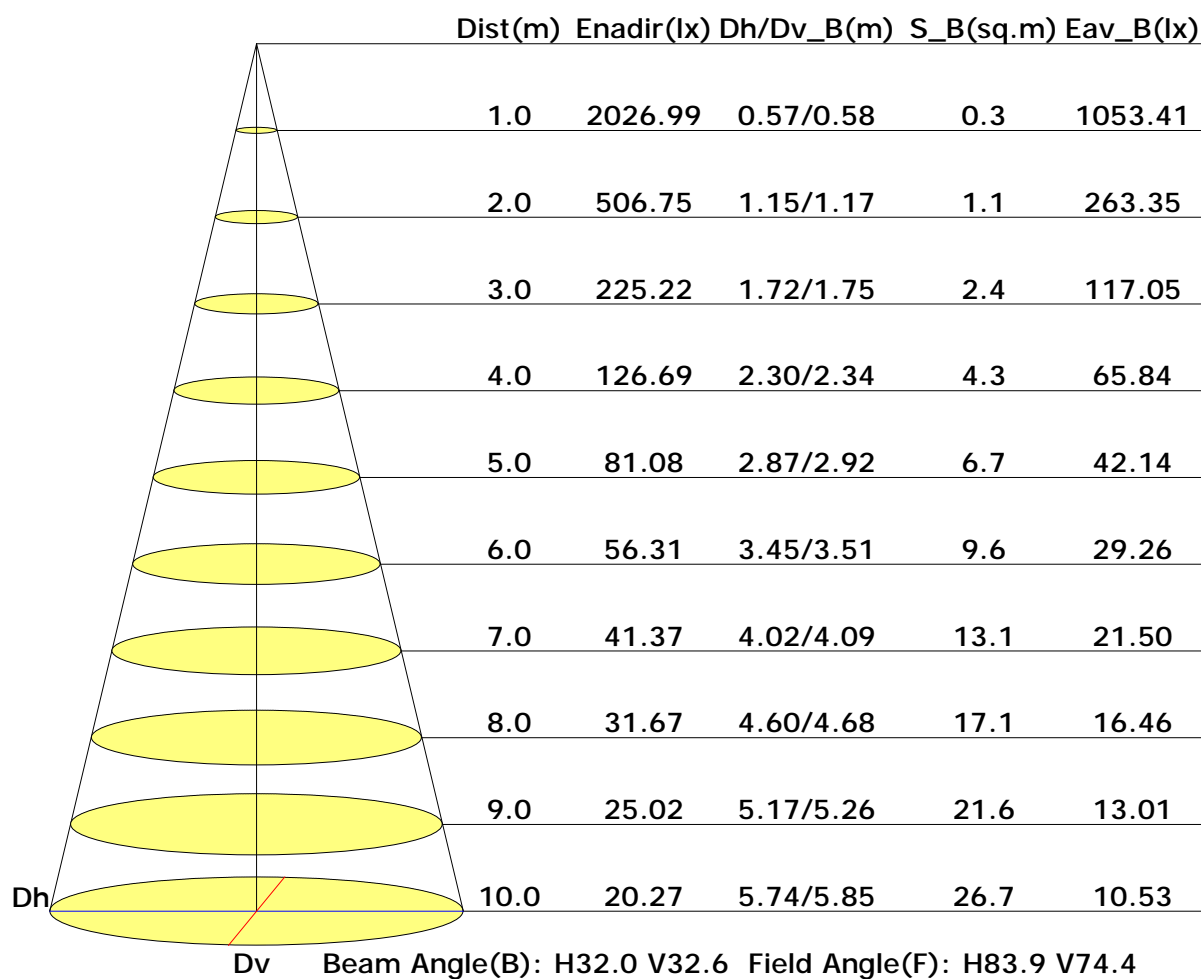


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10703	8634	6954	5575	4420	3367	2351	1360	575
C90	10684	8343	6682	5433	4438	3572	2783	2008	1519
C180	9494	7624	6095	4821	3747	2748	1789	905	350
C270	5544	3854	1723	626	259	219	263	378	595

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:

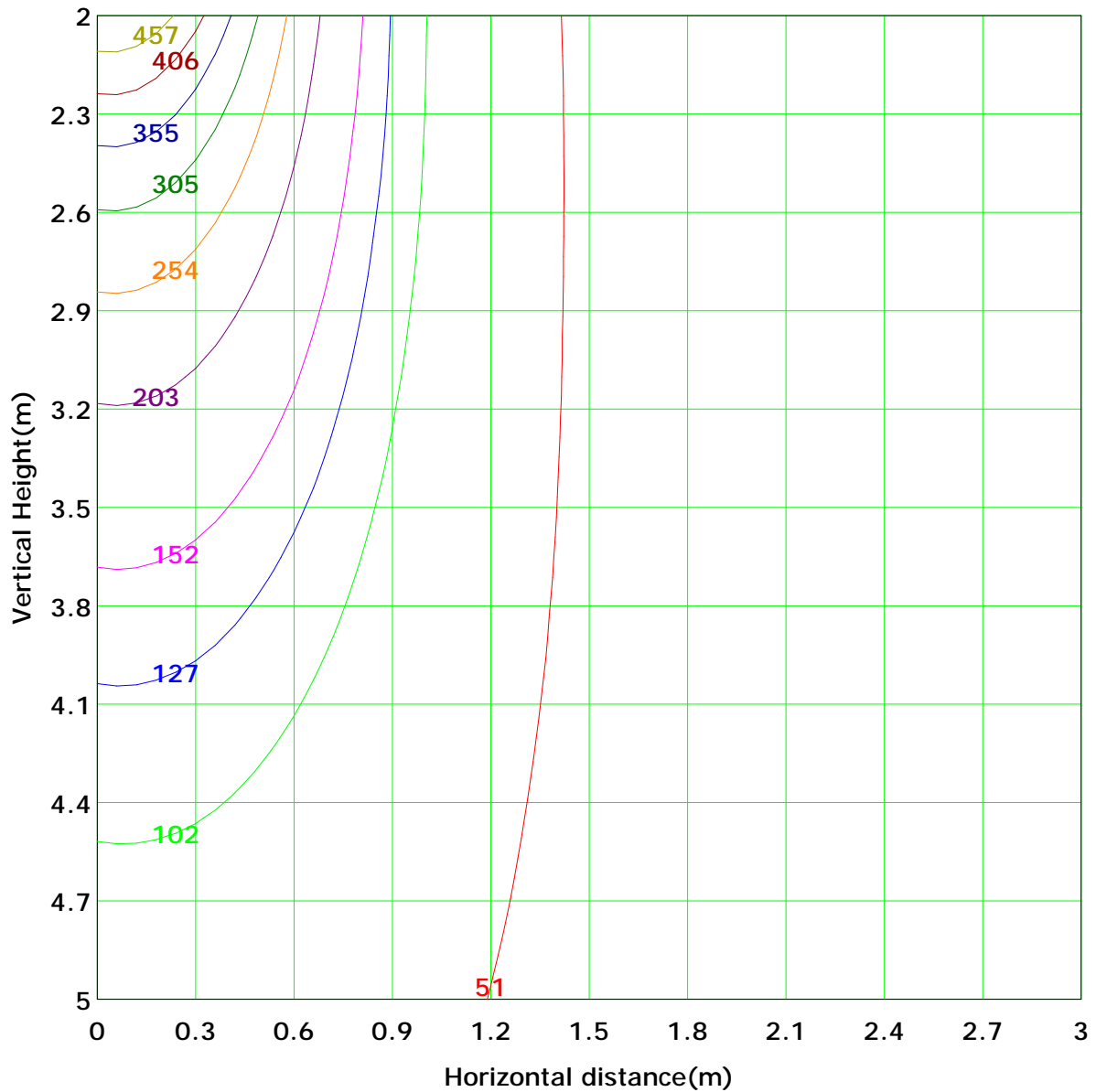
Illuminance at a Distance



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: 507.6 lx
(10%): 50.8 lx	(20%): 101.5 lx	(30%): 152.3 lx
(25%): 126.9 lx	(40%): 203.0 lx	(50%): 253.8 lx
(60%): 304.6 lx	(70%): 355.3 lx	(80%): 406.1 lx
(90%): 456.8 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

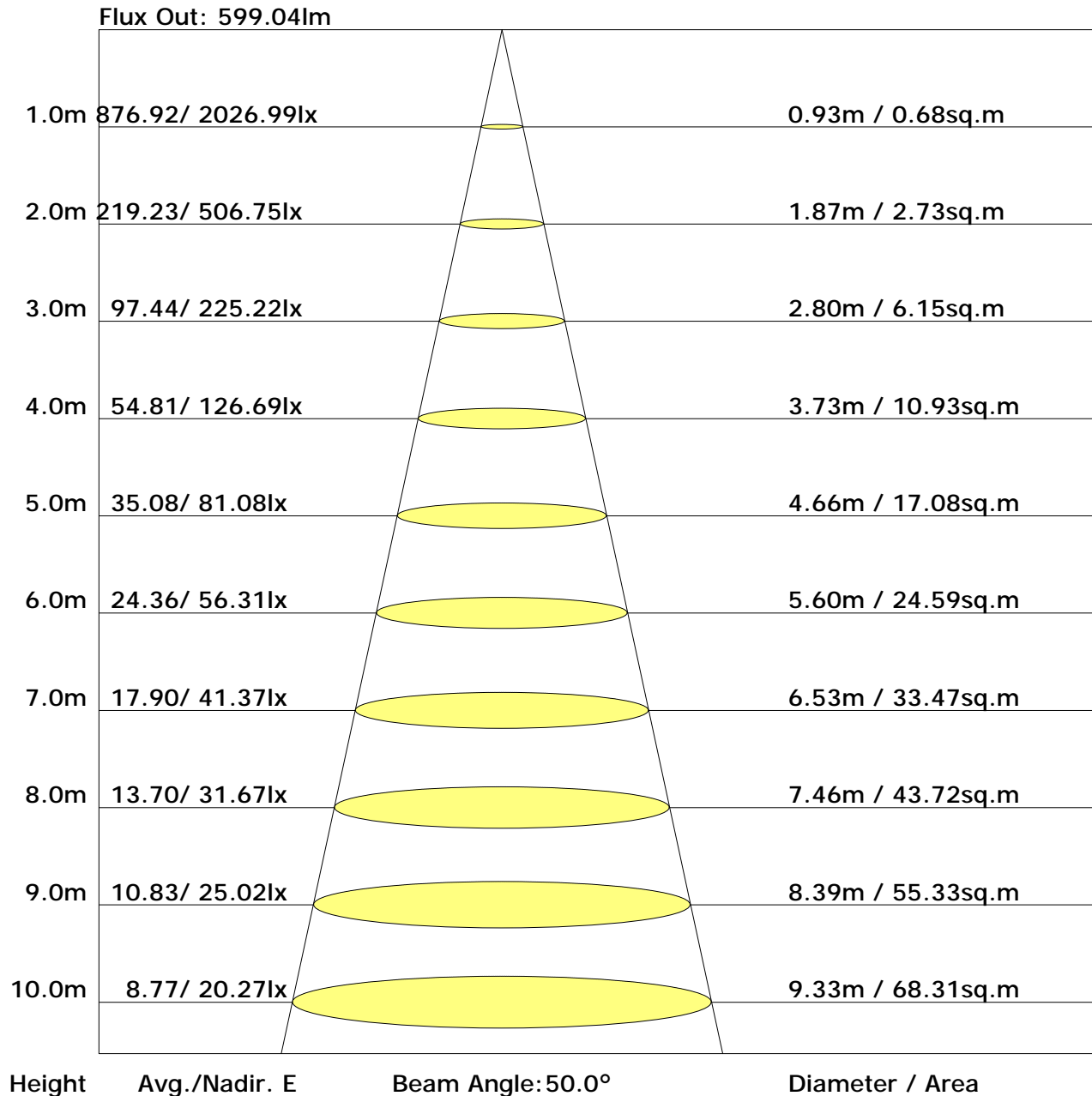
Flux(E)	Vertical plane																		Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80		
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
70	0.0	0.0	0.0	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	0.1	0.0
60	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	0.1	0.0
50	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	0.1	0.0
40	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	0.1	0.0
30	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	0.1	0.0
20	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	0.1	0.0
10	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	0.1	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	0.1	0.0
-10	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	0.1	0.0
-20	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	0.1	0.0
-30	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	0.1	0.0
-40	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	0.1	0.0
-50	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	0.1	0.0
-60	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	0.1	0.0
-70	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	0.1	0.0
-80	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	0.1	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	0.1	0.0
Flux(T)	0.1	1.4	5.5	13.6	27.7	49.6	84.2	147.8	220.9	222.1	151.3	86.7	50.6	28.3	14.2	6.1	1.8	0.2	1112	
Flux(E)	0.0	0.0	0.0	0.0	0.7	29.3	67.6	132.2	205.6	207.0	135.7	70.1	31.2	2.9	0.0	0.0	0.0	0.0	882	

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	15.5	16.6	15.9	16.9	17.3	14.2	15.3	14.6	15.7	16.0
3H	16.5	17.6	17.0	17.9	18.3	15.0	16.0	15.4	16.4	16.8
4H	16.9	17.8	17.3	18.2	18.6	15.2	16.2	15.7	16.6	17.0
6H	17.0	17.9	17.5	18.3	18.7	15.3	16.2	15.8	16.6	17.0
8H	17.0	17.8	17.5	18.3	18.7	15.3	16.1	15.8	16.5	17.0
12H	17.0	17.8	17.5	18.2	18.7	15.3	16.1	15.8	16.5	17.0
X=4H Y=2H	15.5	16.4	15.9	16.8	17.2	14.6	15.6	15.1	16.0	16.4
3H	16.7	17.4	17.1	17.9	18.3	15.6	16.4	16.0	16.8	17.3
4H	17.0	17.7	17.5	18.2	18.7	15.9	16.5	16.3	17.0	17.5
6H	17.2	17.8	17.7	18.3	18.8	16.0	16.6	16.5	17.1	17.6
8H	17.3	17.8	17.8	18.3	18.8	16.0	16.5	16.5	17.0	17.5
12H	17.3	17.7	17.8	18.3	18.8	16.0	16.5	16.5	17.0	17.5
X=8H Y=4H	17.0	17.5	17.5	18.0	18.5	16.0	16.5	16.5	17.0	17.5
6H	17.2	17.6	17.7	18.2	18.7	16.1	16.6	16.7	17.1	17.7
8H	17.2	17.6	17.8	18.2	18.7	16.2	16.6	16.7	17.1	17.7
12H	17.3	17.6	17.8	18.1	18.7	16.2	16.5	16.7	17.1	17.7
X=12H Y=4H	16.9	17.4	17.4	17.9	18.4	15.9	16.4	16.5	16.9	17.5
6H	17.1	17.5	17.7	18.0	18.6	16.1	16.5	16.7	17.0	17.6
8H	17.2	17.5	17.8	18.1	18.7	16.2	16.5	16.7	17.1	17.7

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 = 0.75								
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	0.78	0.86	0.91	0.94	0.99	1.02	1.05	1.07	1.09
	0.30		0.73	0.81	0.86	0.90	0.95	0.99	1.01	1.05	1.07
	0.20		0.69	0.77	0.82	0.86	0.92	0.96	0.99	1.02	1.05
0.50	0.50	0.20	0.77	0.84	0.88	0.92	0.96	0.99	1.01	1.03	1.05
	0.30		0.72	0.79	0.84	0.88	0.93	0.96	0.98	1.01	1.03
	0.20		0.69	0.76	0.81	0.85	0.90	0.93	0.96	0.99	1.01
0.30	0.50	0.20	0.75	0.82	0.86	0.89	0.93	0.95	0.97	0.99	1.01
	0.30		0.71	0.78	0.83	0.86	0.90	0.93	0.95	0.98	0.99
	0.20		0.68	0.75	0.80	0.83	0.88	0.91	0.93	0.96	0.98
0.00	0.00	0.00	0.66	0.73	0.77	0.80	0.84	0.87	0.89	0.91	0.93
Rating: 32W 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 = 0.75								
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	0.68	0.55	0.46	0.40	0.31	0.26	0.22	0.17	0.14
	0.30		0.56	0.47	0.40	0.35	0.29	0.24	0.20	0.16	0.13
	0.20		0.48	0.41	0.36	0.32	0.26	0.22	0.19	0.15	0.13
0.50	0.50	0.20	0.64	0.52	0.44	0.37	0.29	0.28	0.20	0.16	0.13
	0.30		0.54	0.45	0.38	0.34	0.27	0.22	0.19	0.15	0.12
	0.20		0.47	0.40	0.34	0.30	0.25	0.21	0.18	0.14	0.12
0.30	0.50	0.20	0.62	0.49	0.41	0.35	0.27	0.22	0.19	0.14	0.12
	0.30		0.53	0.43	0.37	0.32	0.25	0.21	0.18	0.14	0.11
	0.20		0.46	0.39	0.33	0.29	0.23	0.20	0.17	0.13	0.11
0.00	0.00	0.00	0.33	0.27	0.22	0.19	0.15	0.12	0.10	0.08	0.06
Rating: 32W 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 = 0.75								
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	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.19	0.20
0.50	0.50	0.20	0.15	0.16	0.18	0.18	0.20	0.20	0.21	0.22	0.22
	0.30		0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.21
	0.30		0.10	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.19
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Rating: 32W 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	1989.7	1.9	1.9	0.17	0.17
1.0-2.0	1977.8	5.7	7.6	0.50	0.67
2.0-3.0	1954.1	9.3	16.9	0.82	1.49
3.0-4.0	1919.7	12.9	29.8	1.13	2.63
4.0-5.0	1874.9	16.1	45.9	1.42	4.05
5.0-6.0	1820.6	19.1	65.0	1.69	5.73
6.0-7.0	1758.4	21.8	86.9	1.92	7.66
7.0-8.0	1689.4	24.2	111.1	2.13	9.79
8.0-9.0	1614.8	26.2	137.2	2.31	12.10
9.0-10.0	1536.5	27.8	165.0	2.45	14.55
10.0-11.0	1456.2	29.1	194.1	2.57	17.11
11.0-12.0	1373.9	30.0	224.2	2.65	19.76
12.0-13.0	1291.1	30.6	254.8	2.70	22.46
13.0-14.0	1210.6	31.0	285.8	2.73	25.20
14.0-15.0	1131.9	31.1	316.9	2.74	27.94
15.0-16.0	1055.4	30.9	347.8	2.73	30.66
16.0-17.0	982.2	30.6	378.4	2.70	33.36
17.0-18.0	912.8	30.1	408.5	2.65	36.01
18.0-19.0	847.9	29.5	438.0	2.60	38.61
19.0-20.0	787.2	28.8	466.8	2.54	41.15
20.0-21.0	730.5	28.1	494.9	2.47	43.63
21.0-22.0	678.0	27.2	522.1	2.40	46.03
22.0-23.0	630.1	26.4	548.6	2.33	48.36
23.0-24.0	586.3	25.6	574.2	2.26	50.62
24.0-25.0	545.8	24.8	599.0	2.19	52.81
25.0-26.0	508.6	24.0	623.1	2.12	54.93
26.0-27.0	474.6	23.2	646.3	2.05	56.97
27.0-28.0	442.9	22.4	668.7	1.98	58.95
28.0-29.0	413.4	21.6	690.3	1.91	60.86
29.0-30.0	386.3	20.9	711.2	1.84	62.70
30.0-31.0	360.8	20.1	731.3	1.77	64.47
31.0-32.0	337.1	19.3	750.6	1.70	66.17
32.0-33.0	315.3	18.6	769.2	1.64	67.81
33.0-34.0	295.1	17.9	787.0	1.57	69.38
34.0-35.0	276.5	17.2	804.2	1.51	70.89
35.0-36.0	259.6	16.5	820.7	1.46	72.35

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	244.0	15.9	836.6	1.40	73.75
37.0-38.0	229.6	15.3	852.0	1.35	75.11
38.0-39.0	216.1	14.8	866.7	1.30	76.41
39.0-40.0	203.5	14.2	880.9	1.25	77.66
40.0-41.0	191.5	13.6	894.6	1.20	78.86
41.0-42.0	180.2	13.1	907.6	1.15	80.01
42.0-43.0	169.6	12.6	920.2	1.11	81.12
43.0-44.0	159.4	12.0	932.2	1.06	82.18
44.0-45.0	149.8	11.5	943.8	1.01	83.20
45.0-46.0	140.7	11.0	954.8	0.97	84.17
46.0-47.0	131.9	10.5	965.3	0.92	85.09
47.0-48.0	123.5	10.0	975.2	0.88	85.97
48.0-49.0	115.6	9.5	984.7	0.84	86.81
49.0-50.0	108.0	9.0	993.7	0.79	87.60
50.0-51.0	100.8	8.5	1002.3	0.75	88.36
51.0-52.0	94.0	8.1	1010.3	0.71	89.07
52.0-53.0	87.6	7.6	1018.0	0.67	89.74
53.0-54.0	81.5	7.2	1025.2	0.63	90.37
54.0-55.0	75.8	6.8	1031.9	0.60	90.97
55.0-56.0	70.4	6.4	1038.3	0.56	91.53
56.0-57.0	65.2	6.0	1044.2	0.53	92.06
57.0-58.0	60.4	5.6	1049.8	0.49	92.55
58.0-59.0	55.9	5.2	1055.1	0.46	93.01
59.0-60.0	51.8	4.9	1059.9	0.43	93.44
60.0-61.0	48.0	4.6	1064.5	0.40	93.84
61.0-62.0	44.5	4.3	1068.8	0.38	94.22
62.0-63.0	41.2	4.0	1072.8	0.35	94.57
63.0-64.0	38.2	3.7	1076.6	0.33	94.90
64.0-65.0	35.3	3.5	1080.1	0.31	95.21
65.0-66.0	32.6	3.3	1083.3	0.29	95.50
66.0-67.0	30.1	3.0	1086.3	0.27	95.77
67.0-68.0	27.7	2.8	1089.1	0.25	96.01
68.0-69.0	25.4	2.6	1091.7	0.23	96.24
69.0-70.0	23.2	2.4	1094.1	0.21	96.45
70.0-71.0	21.1	2.2	1096.3	0.19	96.64
71.0-72.0	19.1	2.0	1098.3	0.17	96.82

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	17.2	1.8	1100.1	0.16	96.98
73.0-74.0	15.5	1.6	1101.7	0.14	97.12
74.0-75.0	13.9	1.5	1103.2	0.13	97.25
75.0-76.0	12.4	1.3	1104.5	0.12	97.37
76.0-77.0	11.0	1.2	1105.6	0.10	97.47
77.0-78.0	9.7	1.0	1106.7	0.09	97.56
78.0-79.0	8.5	0.9	1107.6	0.08	97.64
79.0-80.0	7.4	0.8	1108.4	0.07	97.71
80.0-81.0	6.4	0.7	1109.1	0.06	97.77
81.0-82.0	5.5	0.6	1109.7	0.05	97.82
82.0-83.0	4.7	0.5	1110.2	0.05	97.87
83.0-84.0	4.0	0.4	1110.6	0.04	97.91
84.0-85.0	3.5	0.4	1111.0	0.03	97.94
85.0-86.0	3.1	0.3	1111.3	0.03	97.97
86.0-87.0	2.7	0.3	1111.6	0.03	98.00
87.0-88.0	2.6	0.3	1111.9	0.02	98.02
88.0-89.0	2.4	0.3	1112.2	0.02	98.05
89.0-90.0	2.4	0.3	1112.4	0.02	98.07
90.0-91.0	2.3	0.3	1112.7	0.02	98.09
91.0-92.0	2.3	0.3	1113.0	0.02	98.11
92.0-93.0	2.3	0.3	1113.2	0.02	98.14
93.0-94.0	2.3	0.3	1113.5	0.02	98.16
94.0-95.0	2.3	0.2	1113.7	0.02	98.18
95.0-96.0	2.3	0.2	1114.0	0.02	98.20
96.0-97.0	2.2	0.2	1114.2	0.02	98.22
97.0-98.0	2.2	0.2	1114.4	0.02	98.24
98.0-99.0	2.1	0.2	1114.7	0.02	98.26
99.0-100.0	2.1	0.2	1114.9	0.02	98.28
100.0-101.0	2.1	0.2	1115.1	0.02	98.30
101.0-102.0	2.1	0.2	1115.3	0.02	98.32
102.0-103.0	2.0	0.2	1115.6	0.02	98.34
103.0-104.0	2.0	0.2	1115.8	0.02	98.36
104.0-105.0	2.0	0.2	1116.0	0.02	98.38
105.0-106.0	2.0	0.2	1116.2	0.02	98.40
106.0-107.0	2.0	0.2	1116.4	0.02	98.42
107.0-108.0	2.1	0.2	1116.6	0.02	98.44

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	2.1	0.2	1116.8	0.02	98.46
109.0-110.0	2.1	0.2	1117.1	0.02	98.48
110.0-111.0	2.1	0.2	1117.3	0.02	98.49
111.0-112.0	2.2	0.2	1117.5	0.02	98.51
112.0-113.0	2.2	0.2	1117.7	0.02	98.53
113.0-114.0	2.2	0.2	1118.0	0.02	98.55
114.0-115.0	2.3	0.2	1118.2	0.02	98.57
115.0-116.0	2.3	0.2	1118.4	0.02	98.59
116.0-117.0	2.4	0.2	1118.6	0.02	98.62
117.0-118.0	2.4	0.2	1118.9	0.02	98.64
118.0-119.0	2.5	0.2	1119.1	0.02	98.66
119.0-120.0	2.5	0.2	1119.4	0.02	98.68
120.0-121.0	2.6	0.2	1119.6	0.02	98.70
121.0-122.0	2.7	0.2	1119.9	0.02	98.72
122.0-123.0	2.7	0.3	1120.1	0.02	98.74
123.0-124.0	2.8	0.3	1120.4	0.02	98.77
124.0-125.0	2.9	0.3	1120.6	0.02	98.79
125.0-126.0	2.9	0.3	1120.9	0.02	98.81
126.0-127.0	3.0	0.3	1121.2	0.02	98.84
127.0-128.0	3.1	0.3	1121.4	0.02	98.86
128.0-129.0	3.2	0.3	1121.7	0.02	98.88
129.0-130.0	3.3	0.3	1122.0	0.02	98.91
130.0-131.0	3.4	0.3	1122.3	0.02	98.93
131.0-132.0	3.5	0.3	1122.6	0.03	98.96
132.0-133.0	3.6	0.3	1122.8	0.03	98.99
133.0-134.0	3.7	0.3	1123.1	0.03	99.01
134.0-135.0	3.9	0.3	1123.4	0.03	99.04
135.0-136.0	4.0	0.3	1123.8	0.03	99.06
136.0-137.0	4.1	0.3	1124.1	0.03	99.09
137.0-138.0	4.2	0.3	1124.4	0.03	99.12
138.0-139.0	4.4	0.3	1124.7	0.03	99.15
139.0-140.0	4.5	0.3	1125.0	0.03	99.18
140.0-141.0	4.7	0.3	1125.3	0.03	99.20
141.0-142.0	4.8	0.3	1125.7	0.03	99.23
142.0-143.0	5.0	0.3	1126.0	0.03	99.26
143.0-144.0	5.1	0.3	1126.3	0.03	99.29

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 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	5.3	0.3	1126.7	0.03	99.32
145.0-146.0	5.4	0.3	1127.0	0.03	99.35
146.0-147.0	5.6	0.3	1127.3	0.03	99.38
147.0-148.0	5.7	0.3	1127.7	0.03	99.41
148.0-149.0	5.9	0.3	1128.0	0.03	99.44
149.0-150.0	6.0	0.3	1128.3	0.03	99.47
150.0-151.0	6.1	0.3	1128.7	0.03	99.50
151.0-152.0	6.3	0.3	1129.0	0.03	99.53
152.0-153.0	6.4	0.3	1129.3	0.03	99.56
153.0-154.0	6.6	0.3	1129.7	0.03	99.59
154.0-155.0	6.7	0.3	1130.0	0.03	99.61
155.0-156.0	6.8	0.3	1130.3	0.03	99.64
156.0-157.0	6.9	0.3	1130.6	0.03	99.67
157.0-158.0	7.0	0.3	1130.9	0.03	99.69
158.0-159.0	7.1	0.3	1131.2	0.03	99.72
159.0-160.0	7.3	0.3	1131.4	0.02	99.74
160.0-161.0	7.4	0.3	1131.7	0.02	99.77
161.0-162.0	7.4	0.3	1132.0	0.02	99.79
162.0-163.0	7.5	0.2	1132.2	0.02	99.81
163.0-164.0	7.6	0.2	1132.5	0.02	99.83
164.0-165.0	7.6	0.2	1132.7	0.02	99.85
165.0-166.0	7.7	0.2	1132.9	0.02	99.87
166.0-167.0	7.8	0.2	1133.1	0.02	99.89
167.0-168.0	7.8	0.2	1133.3	0.02	99.90
168.0-169.0	7.8	0.2	1133.4	0.02	99.92
169.0-170.0	7.9	0.2	1133.6	0.01	99.93
170.0-171.0	7.9	0.1	1133.7	0.01	99.95
171.0-172.0	7.9	0.1	1133.9	0.01	99.96
172.0-173.0	7.9	0.1	1134.0	0.01	99.97
173.0-174.0	8.0	0.1	1134.1	0.01	99.98
174.0-175.0	8.0	0.1	1134.2	0.01	99.98
175.0-176.0	8.0	0.1	1134.2	0.01	99.99
176.0-177.0	8.0	0.1	1134.3	0.00	99.99
177.0-178.0	8.1	0.0	1134.3	0.00	100.00
178.0-179.0	8.1	0.0	1134.4	0.00	100.00
179.0-180.0	8.1	0.0	1134.4	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: