

Report No.:

Test Time: 2022/11/23 14:47

Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Neon Apex

Luminaire Description: Neon Apex VW -Cool only

Lamp Catalog: NLA4.5VW-Cool only

Luminous Length (mm): 1000

Luminous Height (mm): 17

Current: 0.292 A

Power Factor: 1.000

Number of Lamps: 1

Luminous Width (mm): 16

Voltage: 24.0 V

Power: 7.01 W

Photometric Results

CIE Class: Direct

Measurement Flux: 446.8 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H163.3,H107.5

Vertical Diffuse Angle(10%,50%): V166.3,V107.3

Luminaire Efficacy Rating (LER): 64

Max. Intensity: 157.76 cd

Total Rated Lamp Lumens: 446.8 lm

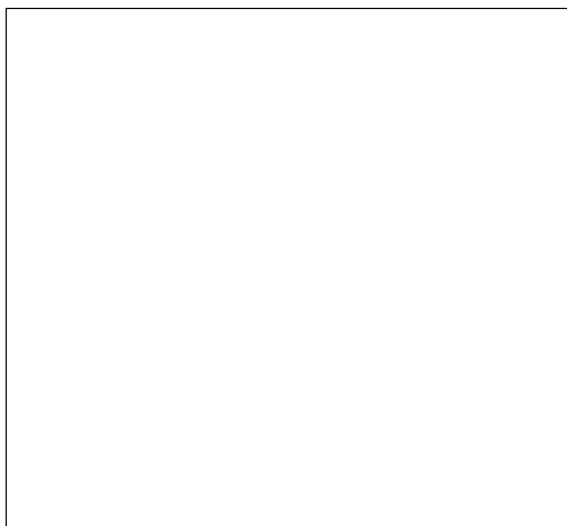
Efficiency: 100%

Upward Ratio: 2%

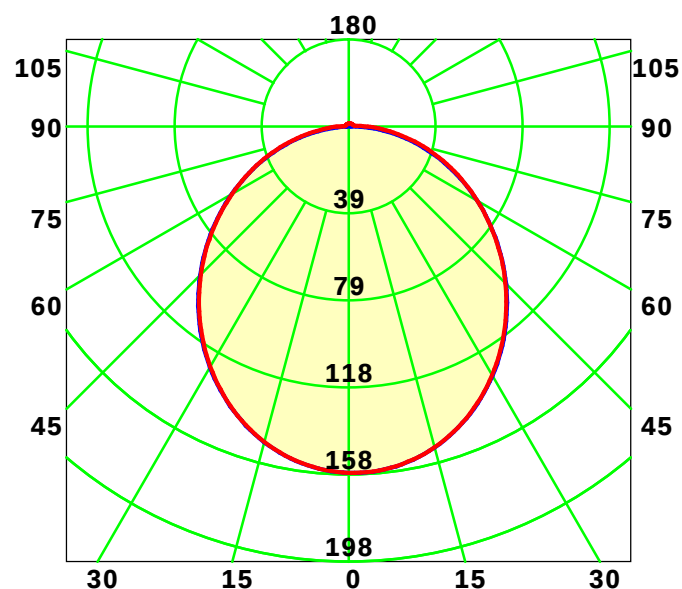
Central Intensity: 157.62 cd

Pos of Max. Intensity: H150 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 107.4° 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

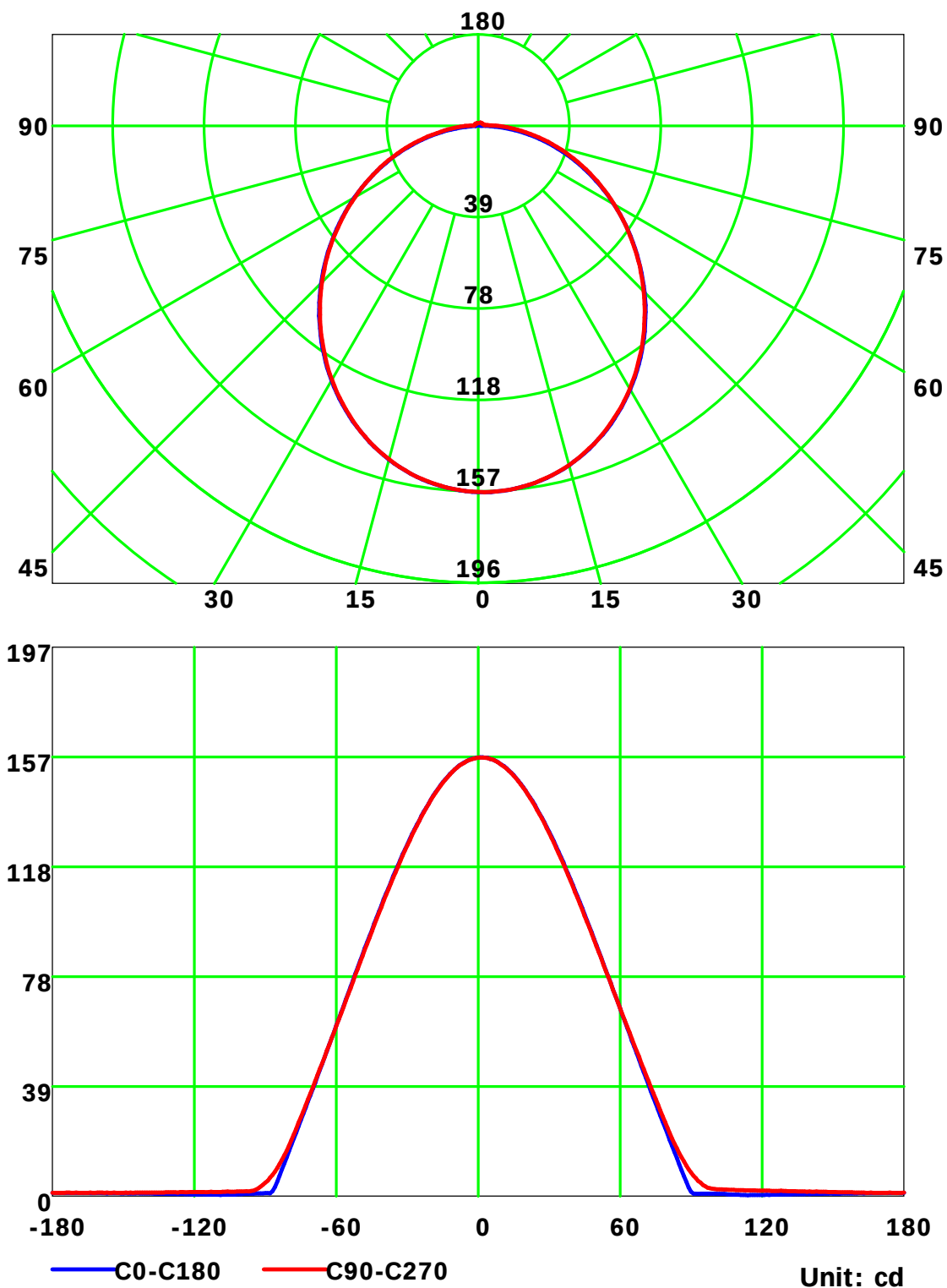
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

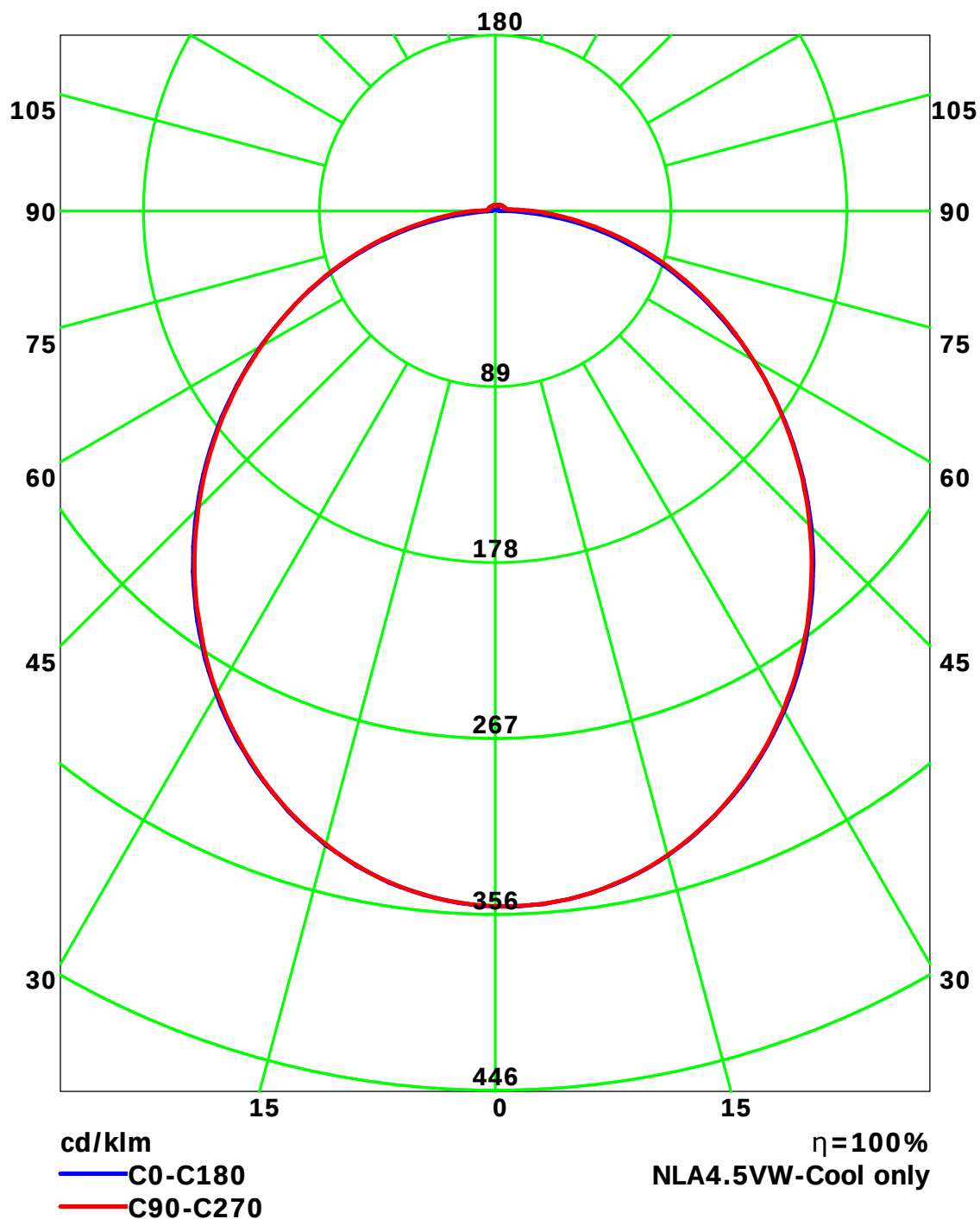
Luminous Intensity Distribution Curve



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:

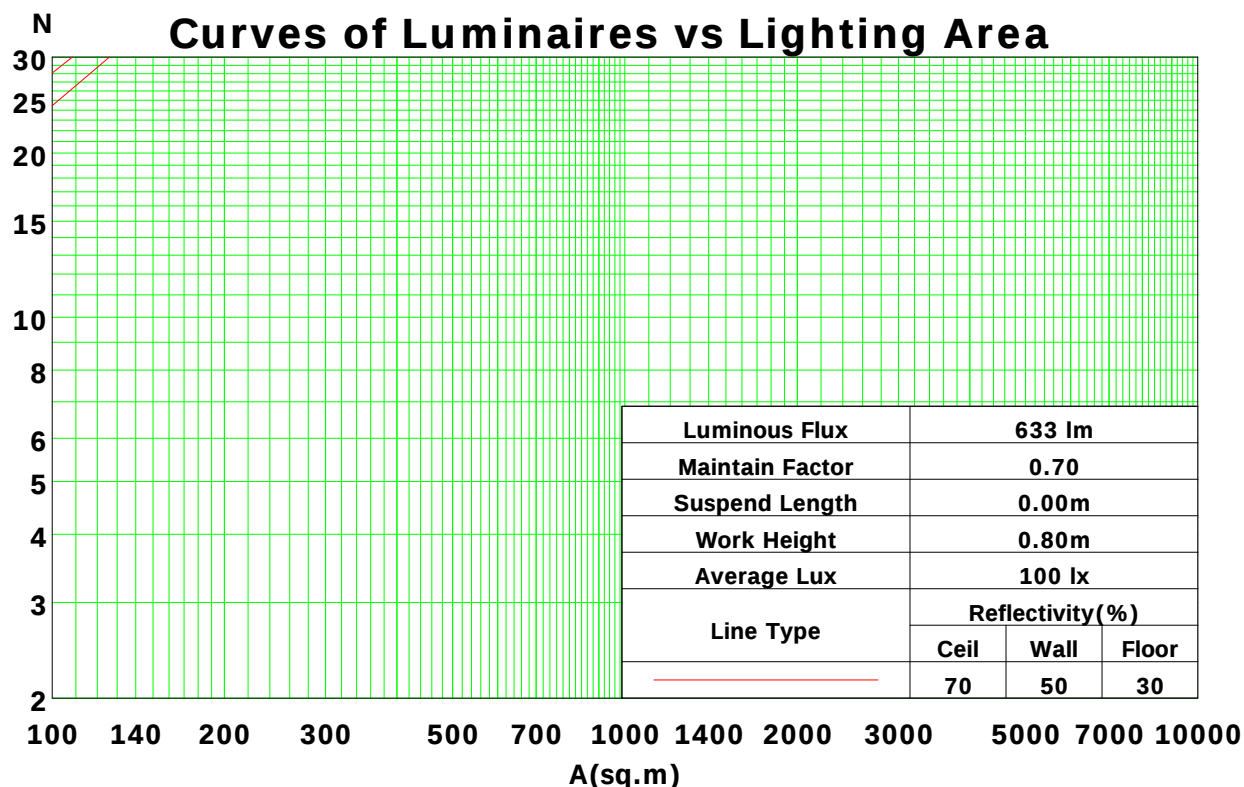
Coefficients Of Utilization - Zonal Cavity Method

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	108	103	98	94	105	100	96	93	96	92	89	91	89	86	87	85	83	81
2	98	89	82	77	95	87	81	76	83	78	73	80	75	71	76	73	69	67
3	89	78	70	64	86	77	69	63	73	67	61	70	65	60	67	63	59	57
4	82	70	61	54	79	68	60	53	65	58	52	63	56	51	60	55	51	48
5	75	62	53	46	73	61	52	46	59	51	45	56	50	45	54	49	44	42
6	69	56	47	41	67	55	46	40	53	45	40	51	44	39	49	43	39	37
7	64	51	42	36	62	50	42	36	48	41	35	46	40	35	45	39	34	32
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	41	35	31	29
9	56	43	34	29	54	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	36	30	26	35	30	25	24

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.21

Spacing Criteria (Diagonal): 1.33



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

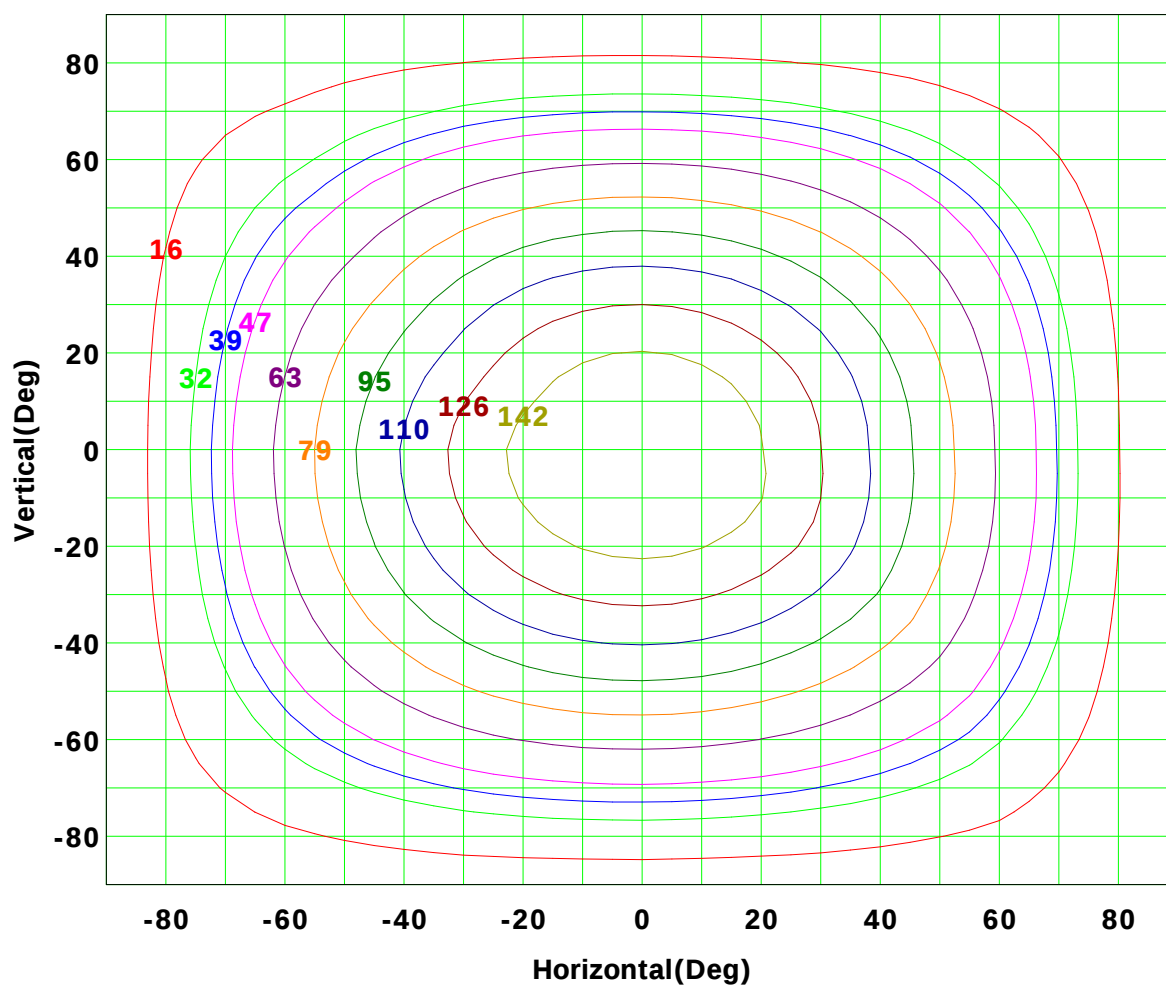
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



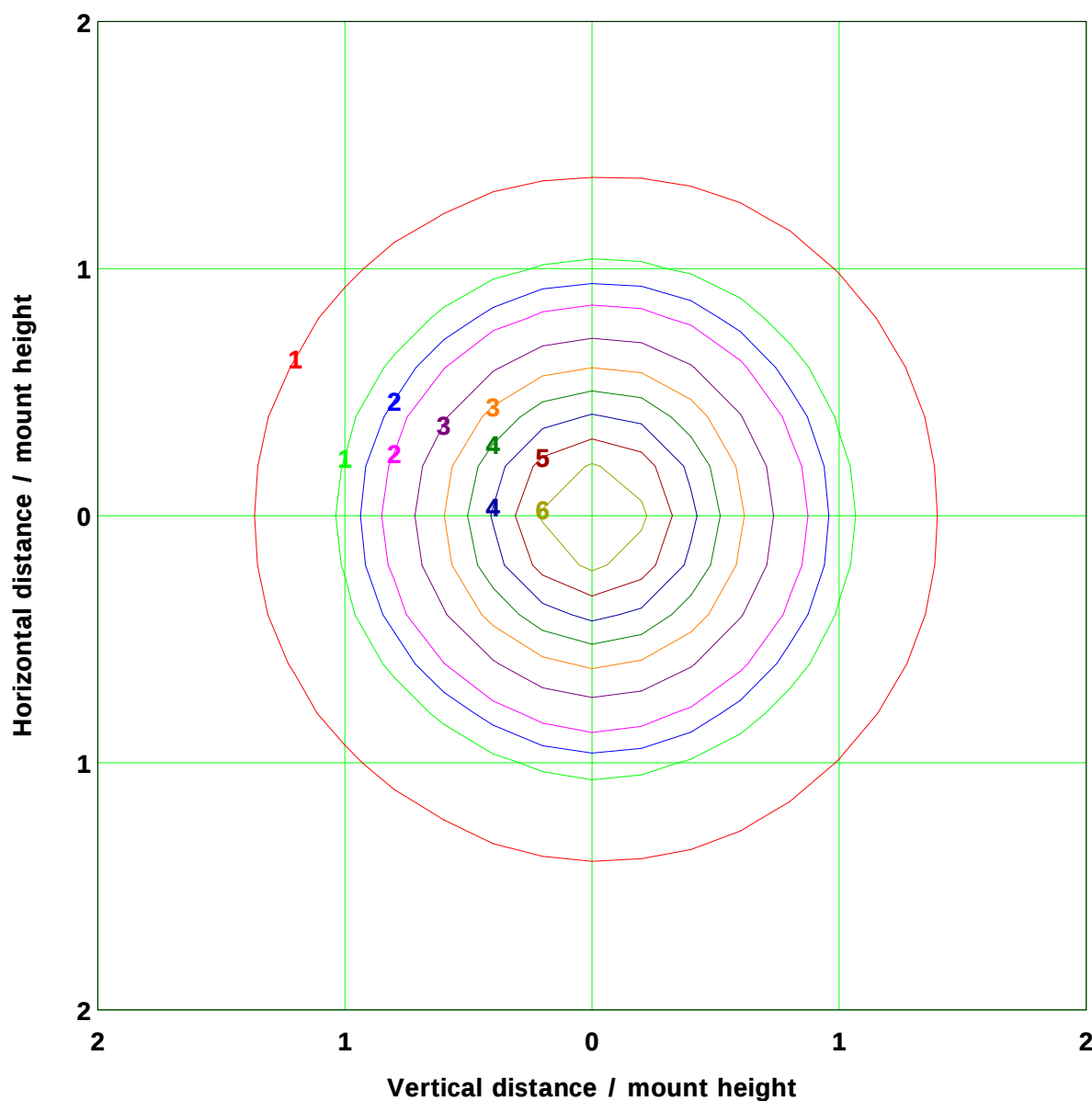
I_{max} (100%): 158 cd

(10%):	16 cd	(20%):	32 cd
(25%):	39 cd	(30%):	47 cd
(40%):	63 cd	(50%):	79 cd
(60%):	95 cd	(70%):	110 cd
(80%):	126 cd	(90%):	142 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%): 6.3 lx

(10%): 0.6 lx	(20%): 1.3 lx
(25%): 1.6 lx	(30%): 1.9 lx
(40%): 2.5 lx	(50%): 3.2 lx
(60%): 3.8 lx	(70%): 4.4 lx
(80%): 5.0 lx	(90%): 5.7 lx

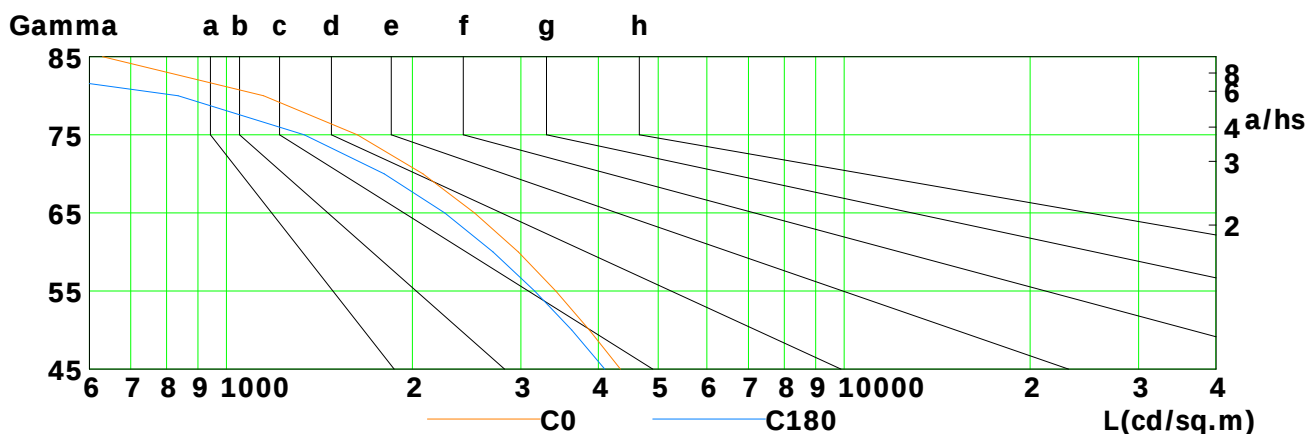
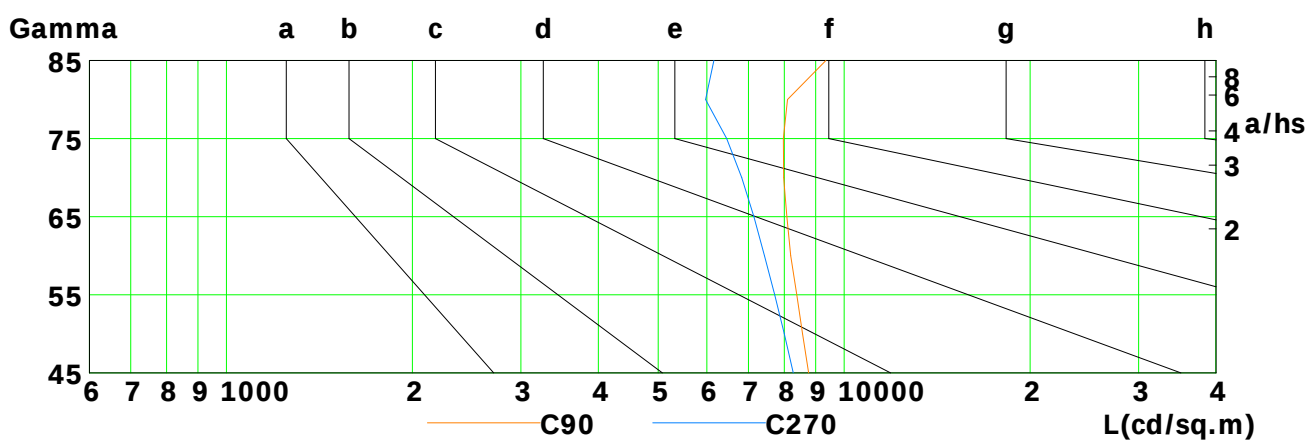
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

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



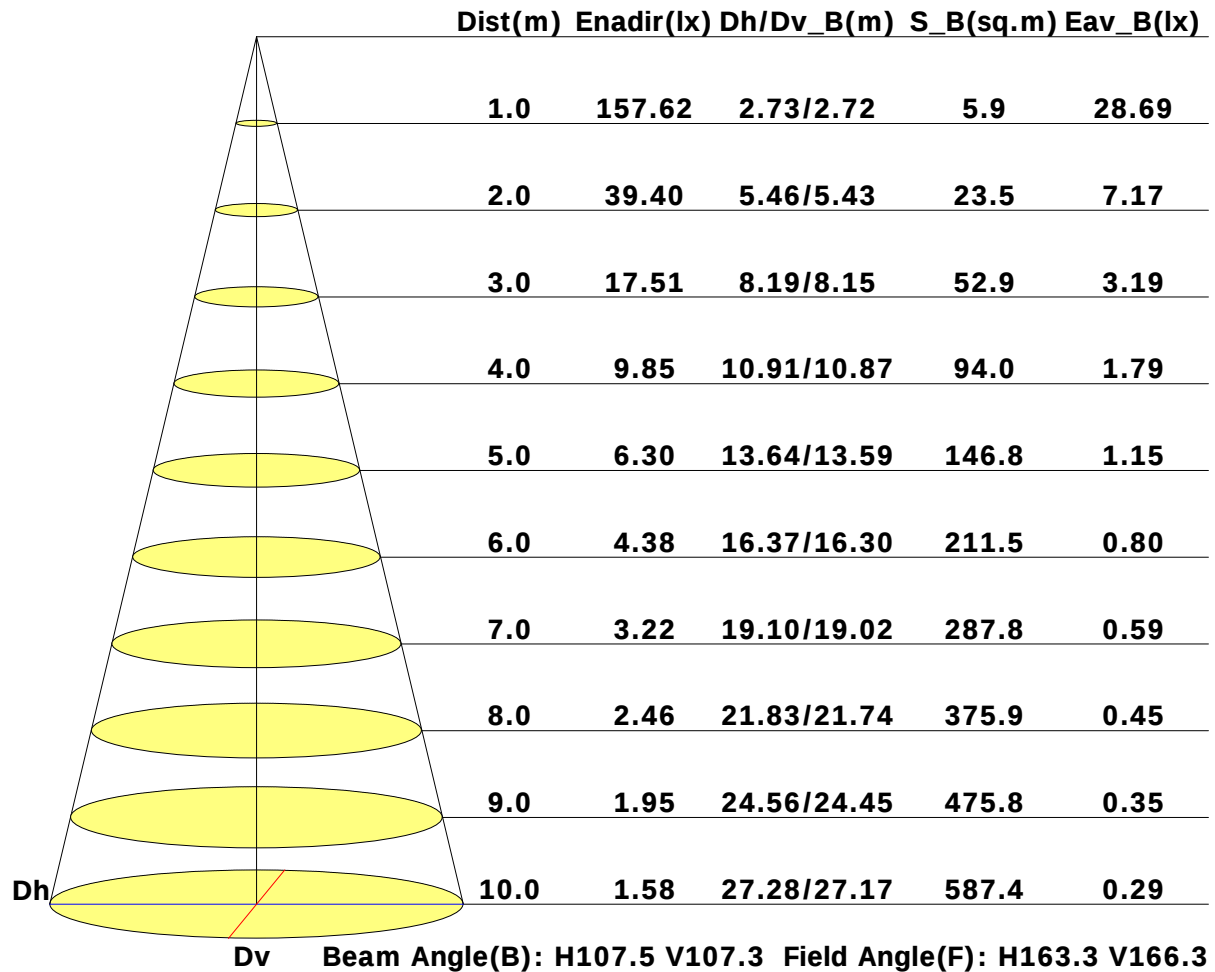
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4343	3872	3416	2969	2523	2082	1629	1150	631
C90	8760	8571	8382	8197	8083	7989	7979	8099	9343
C180	4100	3626	3158	2703	2257	1802	1337	835	294
C270	8277	8008	7722	7436	7146	6833	6460	5971	6154

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:



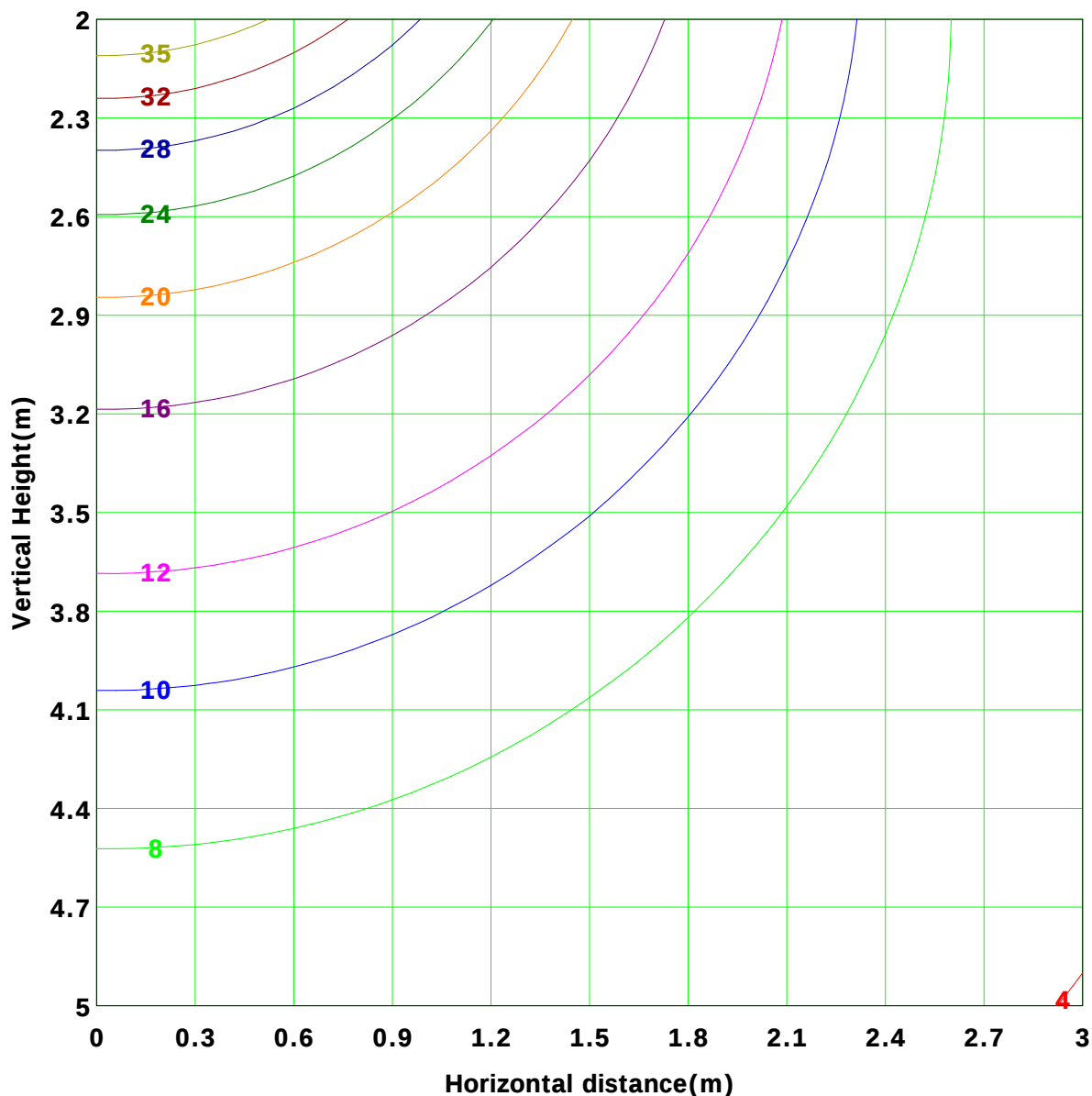
Illuminance at a Distance



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: 39.4 lx
(10%): 3.9 lx	(20%): 7.9 lx	
(25%): 9.9 lx	(30%): 11.8 lx	
(40%): 15.8 lx	(50%): 19.7 lx	
(60%): 23.6 lx	(70%): 27.6 lx	
(80%): 31.5 lx	(90%): 35.5 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:

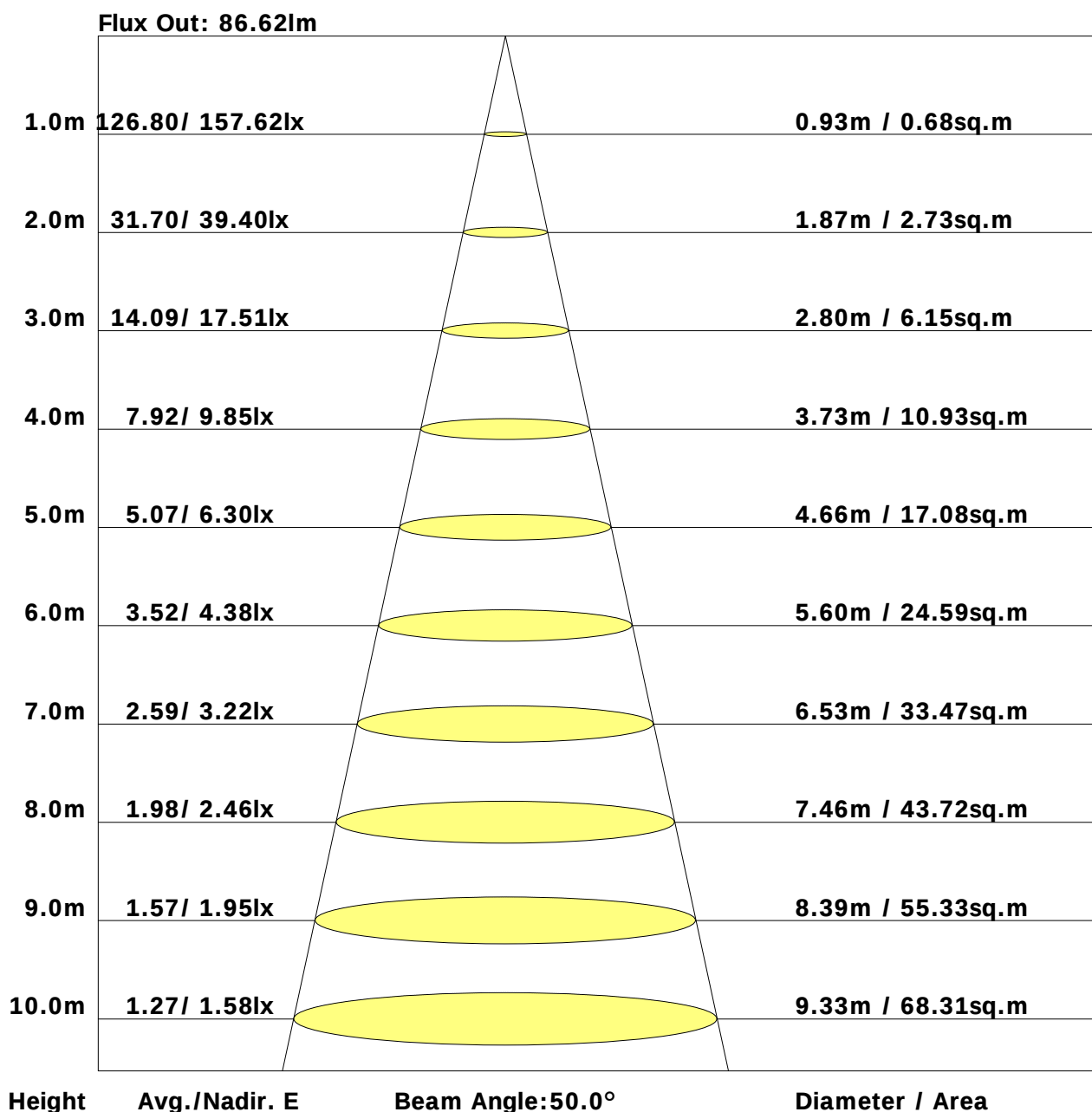
Area Flux Table

		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	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.5	429
	-80	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	4.4	1.9
	-70	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.4	0.2	0.1	0.0	9.7	9.3
	-60	0.0	0.1	0.3	0.6	1.0	1.4	1.8	2.0	2.2	2.2	2.1	1.8	1.4	1.0	0.7	0.4	0.1	0.0	0.0	15.4	15.3
	-50	0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.7	2.9	2.9	2.7	2.3	1.8	1.3	0.8	0.5	0.2	0.1	0.0	24.9	24.9
	-40	0.0	0.2	0.5	1.0	1.6	2.2	2.8	3.3	3.5	3.5	3.3	2.8	2.2	1.6	1.0	0.6	0.2	0.0	0.0	30.3	30.2
	-30	0.0	0.2	0.6	1.1	1.8	2.5	3.2	3.8	4.0	4.1	3.8	3.2	2.5	1.8	1.2	0.6	0.2	0.0	0.0	34.8	34.7
	-20	0.0	0.2	0.6	1.2	2.0	2.8	3.5	4.1	4.5	4.5	4.1	3.5	2.8	2.0	1.3	0.7	0.3	0.0	0.0	38.2	38.1
	-10	0.0	0.2	0.6	1.3	2.0	2.9	3.7	4.3	4.7	4.7	4.4	3.8	3.0	2.2	1.4	0.7	0.3	0.0	0.0	40.2	40.1
	0	0.0	0.2	0.7	1.3	2.1	2.9	3.7	4.4	4.7	4.7	4.4	3.8	3.0	2.2	1.4	0.7	0.3	0.0	0.0	40.6	40.5
	10	0.0	0.2	0.6	1.3	2.0	2.9	3.6	4.2	4.5	4.5	4.2	3.7	2.9	2.1	1.3	0.7	0.3	0.0	0.0	39.2	39.2
	20	0.0	0.2	0.6	1.2	1.9	2.7	3.4	3.9	4.2	4.2	3.9	3.4	2.7	1.9	1.2	0.7	0.2	0.0	0.0	36.3	36.2
	30	0.0	0.2	0.6	1.1	1.7	2.4	2.9	3.4	3.6	3.7	3.4	3.0	2.4	1.7	1.1	0.6	0.2	0.0	0.0	32.0	32.0
	40	0.0	0.2	0.5	0.9	1.5	2.0	2.5	2.8	3.0	3.0	2.8	2.5	2.0	1.5	1.0	0.5	0.2	0.0	0.0	26.9	26.8
	50	0.0	0.1	0.4	0.8	1.2	1.6	1.9	2.2	2.4	2.4	2.2	2.0	1.6	1.2	0.8	0.4	0.2	0.0	0.0	21.3	21.2
	60	0.0	0.1	0.3	0.6	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.2	0.9	0.6	0.3	0.1	0.0	0.0	15.4	15.3
	70	0.0	0.1	0.2	0.4	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.4	0.2	0.1	0.0	0.0	9.7	9.3
	80	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	4.4	1.9
	90	0.3	2.5	7.4	14.4	22.9	31.9	40.2	46.6	50.1	50.2	46.9	40.7	32.5	23.5	15.1	8.1	3.1	0.5	437		

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	20.6	22.2	21.0	22.6	22.9	19.0	20.6	19.4	20.9	21.3
3H	22.6	24.0	23.0	24.4	24.8	20.5	22.0	20.9	22.3	22.7
4H	23.4	24.7	23.8	25.1	25.6	21.1	22.4	21.5	22.8	23.2
6H	24.0	25.3	24.5	25.7	26.2	21.5	22.7	21.9	23.1	23.6
8H	24.3	25.5	24.8	25.9	26.4	21.6	22.8	22.0	23.2	23.7
12H	24.5	25.7	25.0	26.1	26.6	21.7	22.8	22.1	23.3	23.7
X=4H Y=2H	20.9	22.3	21.4	22.7	23.1	19.7	21.0	20.1	21.4	21.8
3H	23.0	24.2	23.5	24.6	25.1	21.4	22.5	21.8	23.0	23.4
4H	23.9	25.0	24.4	25.4	25.9	22.1	23.1	22.5	23.6	24.0
6H	24.7	25.6	25.2	26.1	26.6	22.6	23.5	23.1	24.0	24.5
8H	25.0	25.9	25.5	26.3	26.9	22.7	23.6	23.2	24.1	24.6
12H	25.3	26.0	25.8	26.5	27.1	22.9	23.6	23.4	24.2	24.7
X=8H Y=4H	24.1	24.9	24.6	25.4	25.9	22.4	23.3	22.9	23.7	24.3
6H	24.9	25.6	25.4	26.1	26.7	23.0	23.7	23.6	24.3	24.8
8H	25.2	25.9	25.8	26.4	27.0	23.3	23.9	23.8	24.4	25.0
12H	25.5	26.1	26.1	26.6	27.2	23.5	24.0	24.0	24.6	25.2
X=12H Y=4H	24.1	24.8	24.6	25.3	25.9	22.5	23.2	23.0	23.7	24.3
6H	24.9	25.6	25.5	26.1	26.6	23.1	23.8	23.7	24.3	24.8
8H	25.3	25.9	25.8	26.4	27.0	23.4	24.0	23.9	24.5	25.1

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	0.56	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02
	0.30		0.48	0.58	0.66	0.71	0.79	0.85	0.89	0.95	0.98
	0.20		0.42	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95
0.50	0.50	0.20	0.54	0.64	0.70	0.75	0.82	0.87	0.90	0.95	0.97
	0.30		0.47	0.57	0.64	0.69	0.77	0.82	0.86	0.91	0.94
	0.20		0.42	0.52	0.59	0.64	0.72	0.78	0.82	0.88	0.91
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.79	0.83	0.86	0.90	0.93
	0.30		0.46	0.56	0.62	0.67	0.74	0.79	0.83	0.88	0.91
	0.20		0.41	0.51	0.58	0.63	0.71	0.76	0.80	0.85	0.88
0.00	0.00	0.00	0.39	0.48	0.55	0.60	0.67	0.72	0.75	0.80	0.83
Rating: 7W 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	0.83	0.71	0.62	0.50	0.42	0.36	0.28	0.23	
	0.30		0.83	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.22	
	0.20		0.71	0.62	0.55	0.49	0.41	0.35	0.31	0.25	0.21	
0.50	0.50	0.20	0.96	0.79	0.68	0.59	0.47	0.43	0.34	0.26	0.22	
	0.30		0.81	0.69	0.60	0.53	0.43	0.37	0.32	0.25	0.21	
	0.20		0.70	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.93	0.76	0.65	0.57	0.45	0.38	0.32	0.25	0.21	
	0.30		0.79	0.67	0.58	0.51	0.42	0.35	0.30	0.24	0.20	
	0.20		0.69	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.59	0.50	0.43	0.38	0.31	0.26	0.23	0.18	0.15	
Rating: 7W 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	0.18	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19
0.50	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.18	0.20	0.20
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.18
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:7W 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	157.6	0.2	0.2	0.03	0.03
1.0-2.0	157.5	0.5	0.6	0.10	0.13
2.0-3.0	157.4	0.8	1.4	0.17	0.30
3.0-4.0	157.1	1.1	2.4	0.24	0.54
4.0-5.0	156.9	1.3	3.8	0.30	0.84
5.0-6.0	156.5	1.6	5.4	0.37	1.21
6.0-7.0	156.1	1.9	7.3	0.43	1.64
7.0-8.0	155.6	2.2	9.6	0.50	2.14
8.0-9.0	155.1	2.5	12.1	0.56	2.70
9.0-10.0	154.5	2.8	14.9	0.63	3.33
10.0-11.0	153.8	3.1	18.0	0.69	4.02
11.0-12.0	153.0	3.3	21.3	0.75	4.77
12.0-13.0	152.2	3.6	24.9	0.81	5.57
13.0-14.0	151.3	3.9	28.8	0.87	6.44
14.0-15.0	150.4	4.1	32.9	0.92	7.37
15.0-16.0	149.4	4.4	37.3	0.98	8.35
16.0-17.0	148.3	4.6	41.9	1.03	9.38
17.0-18.0	147.2	4.9	46.8	1.09	10.47
18.0-19.0	146.0	5.1	51.8	1.14	11.60
19.0-20.0	144.7	5.3	57.1	1.19	12.79
20.0-21.0	143.5	5.5	62.7	1.23	14.02
21.0-22.0	142.1	5.7	68.4	1.28	15.30
22.0-23.0	140.7	5.9	74.3	1.32	16.62
23.0-24.0	139.2	6.1	80.4	1.36	17.98
24.0-25.0	137.7	6.3	86.6	1.40	19.39
25.0-26.0	136.1	6.4	93.0	1.44	20.82
26.0-27.0	134.5	6.6	99.6	1.47	22.30
27.0-28.0	132.9	6.7	106.4	1.51	23.80
28.0-29.0	131.2	6.9	113.2	1.54	25.34
29.0-30.0	129.5	7.0	120.2	1.56	26.90
30.0-31.0	127.7	7.1	127.3	1.59	28.49
31.0-32.0	125.8	7.2	134.5	1.61	30.11
32.0-33.0	124.0	7.3	141.8	1.64	31.74
33.0-34.0	122.1	7.4	149.2	1.65	33.40
34.0-35.0	120.2	7.5	156.7	1.67	35.07
35.0-36.0	118.2	7.5	164.2	1.68	36.75

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	116.2	7.6	171.8	1.70	38.45
37.0-38.0	114.2	7.6	179.4	1.71	40.15
38.0-39.0	112.2	7.7	187.1	1.71	41.87
39.0-40.0	110.1	7.7	194.8	1.72	43.59
40.0-41.0	108.0	7.7	202.4	1.72	45.31
41.0-42.0	105.9	7.7	210.1	1.72	47.03
42.0-43.0	103.8	7.7	217.8	1.72	48.75
43.0-44.0	101.6	7.7	225.5	1.72	50.47
44.0-45.0	99.4	7.6	233.1	1.71	52.18
45.0-46.0	97.2	7.6	240.7	1.70	53.88
46.0-47.0	95.0	7.6	248.3	1.69	55.57
47.0-48.0	92.8	7.5	255.8	1.68	57.25
48.0-49.0	90.6	7.4	263.3	1.67	58.92
49.0-50.0	88.4	7.4	270.6	1.65	60.56
50.0-51.0	86.1	7.3	277.9	1.63	62.20
51.0-52.0	83.8	7.2	285.1	1.61	63.81
52.0-53.0	81.6	7.1	292.2	1.59	65.39
53.0-54.0	79.3	7.0	299.2	1.57	66.96
54.0-55.0	77.1	6.9	306.1	1.54	68.50
55.0-56.0	74.8	6.8	312.8	1.51	70.01
56.0-57.0	72.5	6.6	319.5	1.48	71.50
57.0-58.0	70.3	6.5	326.0	1.45	72.95
58.0-59.0	68.0	6.4	332.3	1.42	74.37
59.0-60.0	65.7	6.2	338.5	1.39	75.76
60.0-61.0	63.4	6.1	344.6	1.36	77.12
61.0-62.0	61.2	5.9	350.5	1.32	78.44
62.0-63.0	58.9	5.7	356.2	1.28	79.72
63.0-64.0	56.7	5.6	361.8	1.24	80.97
64.0-65.0	54.4	5.4	367.2	1.21	82.17
65.0-66.0	52.2	5.2	372.4	1.17	83.34
66.0-67.0	50.0	5.0	377.4	1.12	84.46
67.0-68.0	47.7	4.8	382.2	1.08	85.54
68.0-69.0	45.5	4.6	386.9	1.04	86.58
69.0-70.0	43.3	4.4	391.3	1.00	87.58
70.0-71.0	41.1	4.2	395.6	0.95	88.53
71.0-72.0	38.9	4.0	399.6	0.91	89.43

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	36.7	3.8	403.5	0.86	90.29
73.0-74.0	34.6	3.6	407.1	0.81	91.11
74.0-75.0	32.4	3.4	410.5	0.77	91.87
75.0-76.0	30.2	3.2	413.7	0.72	92.59
76.0-77.0	28.1	3.0	416.7	0.67	93.26
77.0-78.0	26.0	2.8	419.5	0.62	93.88
78.0-79.0	23.9	2.6	422.1	0.57	94.46
79.0-80.0	21.7	2.3	424.4	0.52	94.98
80.0-81.0	19.6	2.1	426.5	0.48	95.46
81.0-82.0	17.6	1.9	428.4	0.43	95.89
82.0-83.0	15.6	1.7	430.1	0.38	96.27
83.0-84.0	13.7	1.5	431.6	0.33	96.60
84.0-85.0	11.9	1.3	432.9	0.29	96.89
85.0-86.0	10.2	1.1	434.1	0.25	97.14
86.0-87.0	8.6	0.9	435.0	0.21	97.35
87.0-88.0	7.3	0.8	435.8	0.18	97.53
88.0-89.0	6.1	0.7	436.5	0.15	97.68
89.0-90.0	5.1	0.6	437.0	0.12	97.81
90.0-91.0	4.2	0.5	437.5	0.10	97.91
91.0-92.0	3.6	0.4	437.9	0.09	98.00
92.0-93.0	3.1	0.3	438.2	0.08	98.07
93.0-94.0	2.7	0.3	438.5	0.07	98.14
94.0-95.0	2.4	0.3	438.8	0.06	98.20
95.0-96.0	2.1	0.2	439.0	0.05	98.25
96.0-97.0	2.0	0.2	439.2	0.05	98.30
97.0-98.0	1.9	0.2	439.4	0.05	98.34
98.0-99.0	1.8	0.2	439.6	0.04	98.39
99.0-100.0	1.7	0.2	439.8	0.04	98.43
100.0-101.0	1.7	0.2	440.0	0.04	98.47
101.0-102.0	1.6	0.2	440.2	0.04	98.51
102.0-103.0	1.6	0.2	440.3	0.04	98.55
103.0-104.0	1.5	0.2	440.5	0.04	98.58
104.0-105.0	1.5	0.2	440.7	0.04	98.62
105.0-106.0	1.5	0.2	440.8	0.04	98.65
106.0-107.0	1.4	0.2	441.0	0.03	98.69
107.0-108.0	1.4	0.1	441.1	0.03	98.72

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	1.4	0.1	441.3	0.03	98.75
109.0-110.0	1.4	0.1	441.4	0.03	98.79
110.0-111.0	1.4	0.1	441.5	0.03	98.82
111.0-112.0	1.4	0.1	441.7	0.03	98.85
112.0-113.0	1.3	0.1	441.8	0.03	98.88
113.0-114.0	1.3	0.1	442.0	0.03	98.91
114.0-115.0	1.3	0.1	442.1	0.03	98.94
115.0-116.0	1.3	0.1	442.2	0.03	98.97
116.0-117.0	1.3	0.1	442.3	0.03	99.00
117.0-118.0	1.3	0.1	442.5	0.03	99.03
118.0-119.0	1.3	0.1	442.6	0.03	99.06
119.0-120.0	1.3	0.1	442.7	0.03	99.08
120.0-121.0	1.3	0.1	442.9	0.03	99.11
121.0-122.0	1.3	0.1	443.0	0.03	99.14
122.0-123.0	1.3	0.1	443.1	0.03	99.17
123.0-124.0	1.3	0.1	443.2	0.03	99.19
124.0-125.0	1.3	0.1	443.3	0.03	99.22
125.0-126.0	1.3	0.1	443.5	0.03	99.25
126.0-127.0	1.3	0.1	443.6	0.03	99.27
127.0-128.0	1.3	0.1	443.7	0.03	99.30
128.0-129.0	1.3	0.1	443.8	0.03	99.32
129.0-130.0	1.3	0.1	443.9	0.02	99.35
130.0-131.0	1.3	0.1	444.0	0.02	99.37
131.0-132.0	1.3	0.1	444.1	0.02	99.40
132.0-133.0	1.3	0.1	444.2	0.02	99.42
133.0-134.0	1.3	0.1	444.3	0.02	99.44
134.0-135.0	1.3	0.1	444.4	0.02	99.47
135.0-136.0	1.3	0.1	444.5	0.02	99.49
136.0-137.0	1.3	0.1	444.6	0.02	99.51
137.0-138.0	1.3	0.1	444.7	0.02	99.53
138.0-139.0	1.3	0.1	444.8	0.02	99.55
139.0-140.0	1.3	0.1	444.9	0.02	99.57
140.0-141.0	1.3	0.1	445.0	0.02	99.59
141.0-142.0	1.3	0.1	445.1	0.02	99.61
142.0-143.0	1.3	0.1	445.2	0.02	99.63
143.0-144.0	1.3	0.1	445.3	0.02	99.65

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	1.3	0.1	445.4	0.02	99.67
145.0-146.0	1.3	0.1	445.4	0.02	99.69
146.0-147.0	1.3	0.1	445.5	0.02	99.70
147.0-148.0	1.3	0.1	445.6	0.02	99.72
148.0-149.0	1.3	0.1	445.7	0.02	99.74
149.0-150.0	1.3	0.1	445.7	0.02	99.75
150.0-151.0	1.3	0.1	445.8	0.02	99.77
151.0-152.0	1.3	0.1	445.9	0.02	99.79
152.0-153.0	1.3	0.1	445.9	0.01	99.80
153.0-154.0	1.3	0.1	446.0	0.01	99.81
154.0-155.0	1.3	0.1	446.1	0.01	99.83
155.0-156.0	1.3	0.1	446.1	0.01	99.84
156.0-157.0	1.3	0.1	446.2	0.01	99.85
157.0-158.0	1.3	0.1	446.2	0.01	99.87
158.0-159.0	1.3	0.1	446.3	0.01	99.88
159.0-160.0	1.3	0.1	446.3	0.01	99.89
160.0-161.0	1.3	0.0	446.4	0.01	99.90
161.0-162.0	1.3	0.0	446.4	0.01	99.91
162.0-163.0	1.3	0.0	446.5	0.01	99.92
163.0-164.0	1.3	0.0	446.5	0.01	99.93
164.0-165.0	1.3	0.0	446.5	0.01	99.94
165.0-166.0	1.3	0.0	446.6	0.01	99.95
166.0-167.0	1.3	0.0	446.6	0.01	99.95
167.0-168.0	1.3	0.0	446.6	0.01	99.96
168.0-169.0	1.3	0.0	446.7	0.01	99.97
169.0-170.0	1.3	0.0	446.7	0.01	99.97
170.0-171.0	1.3	0.0	446.7	0.01	99.98
171.0-172.0	1.3	0.0	446.7	0.00	99.98
172.0-173.0	1.3	0.0	446.8	0.00	99.99
173.0-174.0	1.3	0.0	446.8	0.00	99.99
174.0-175.0	1.3	0.0	446.8	0.00	99.99
175.0-176.0	1.3	0.0	446.8	0.00	100.00
176.0-177.0	1.3	0.0	446.8	0.00	100.00
177.0-178.0	1.3	0.0	446.8	0.00	100.00
178.0-179.0	1.3	0.0	446.8	0.00	100.00
179.0-180.0	1.3	0.0	446.8	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: