

Report No.:

Test Time: 2023/9/14 10:49

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAT4M90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 18.8

Current: 0.202 A

Power Factor: 1.000

Luminous Width (mm): 19.6

Voltage: 24.0 V

Power: 4.88 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 392.6 lm

Downward Ratio: 88%

Horizontal Diffuse Angle(10%,50%): H159.1,H110.5

Vertical Diffuse Angle(10%,50%): V254.3,V151

Luminaire Efficacy Rating (LER): 80

Max. Intensity: 98.59 cd

Total Rated Lamp Lumens: 392.6 lm

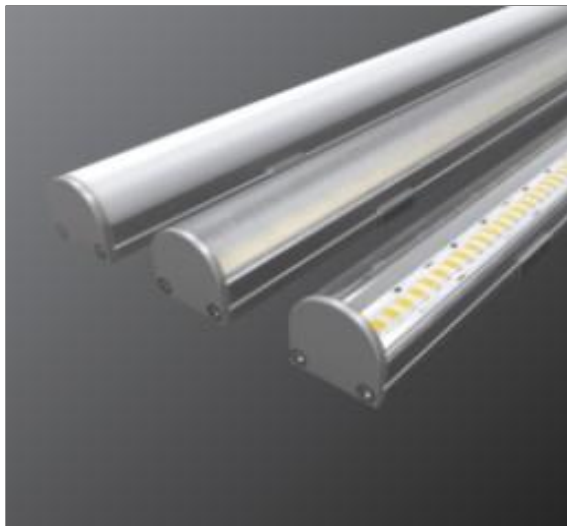
Efficiency: 100%

Upward Ratio: 12%

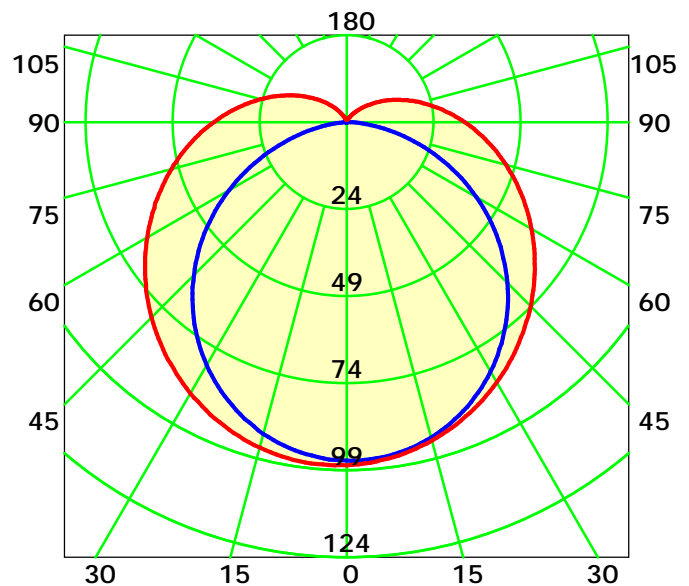
Central Intensity: 96.99 cd

Pos of Max. Intensity: H240 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 130.7° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Nick

Gamma Plane (°):0.0-180.0: 1.0

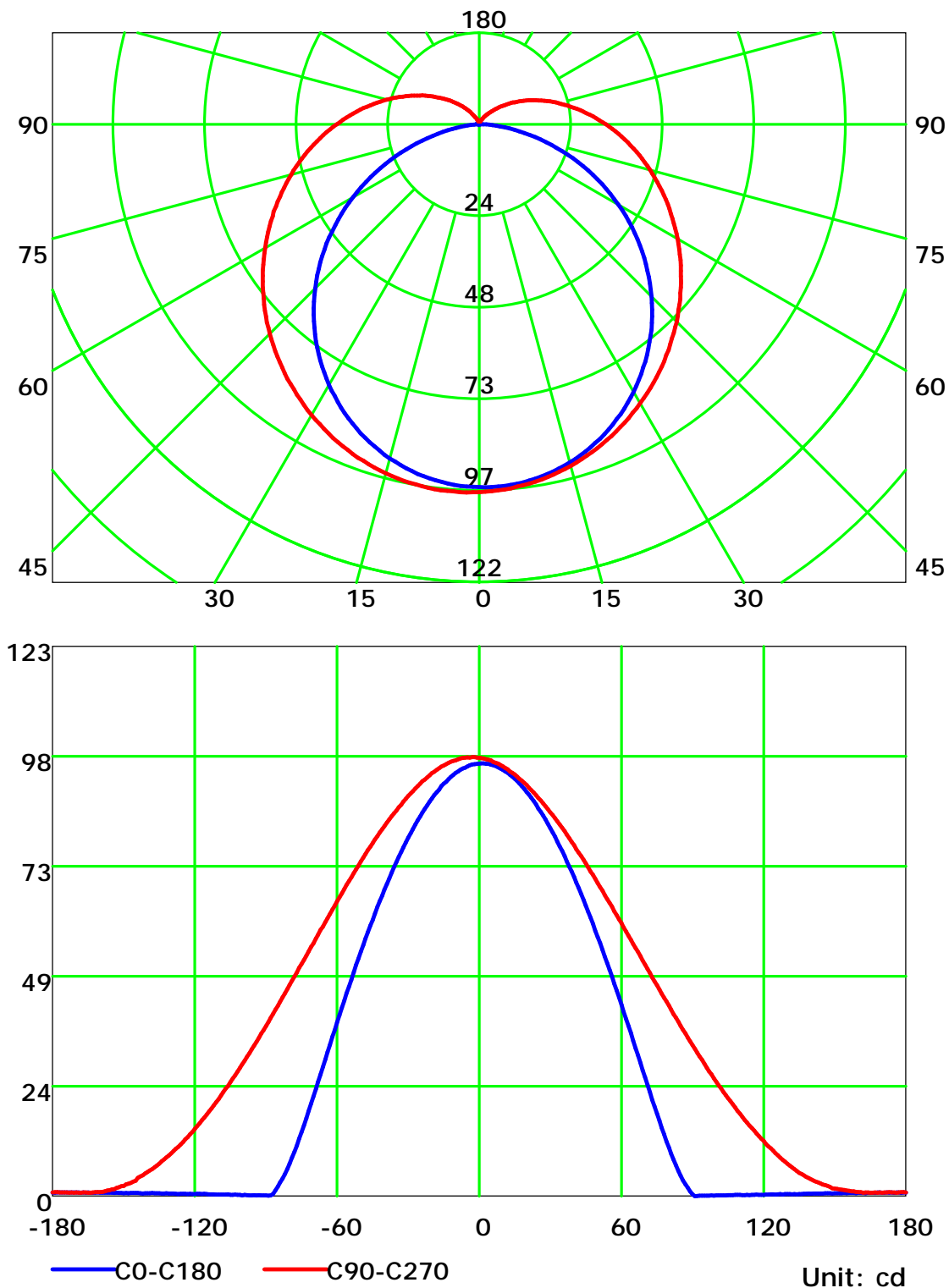
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

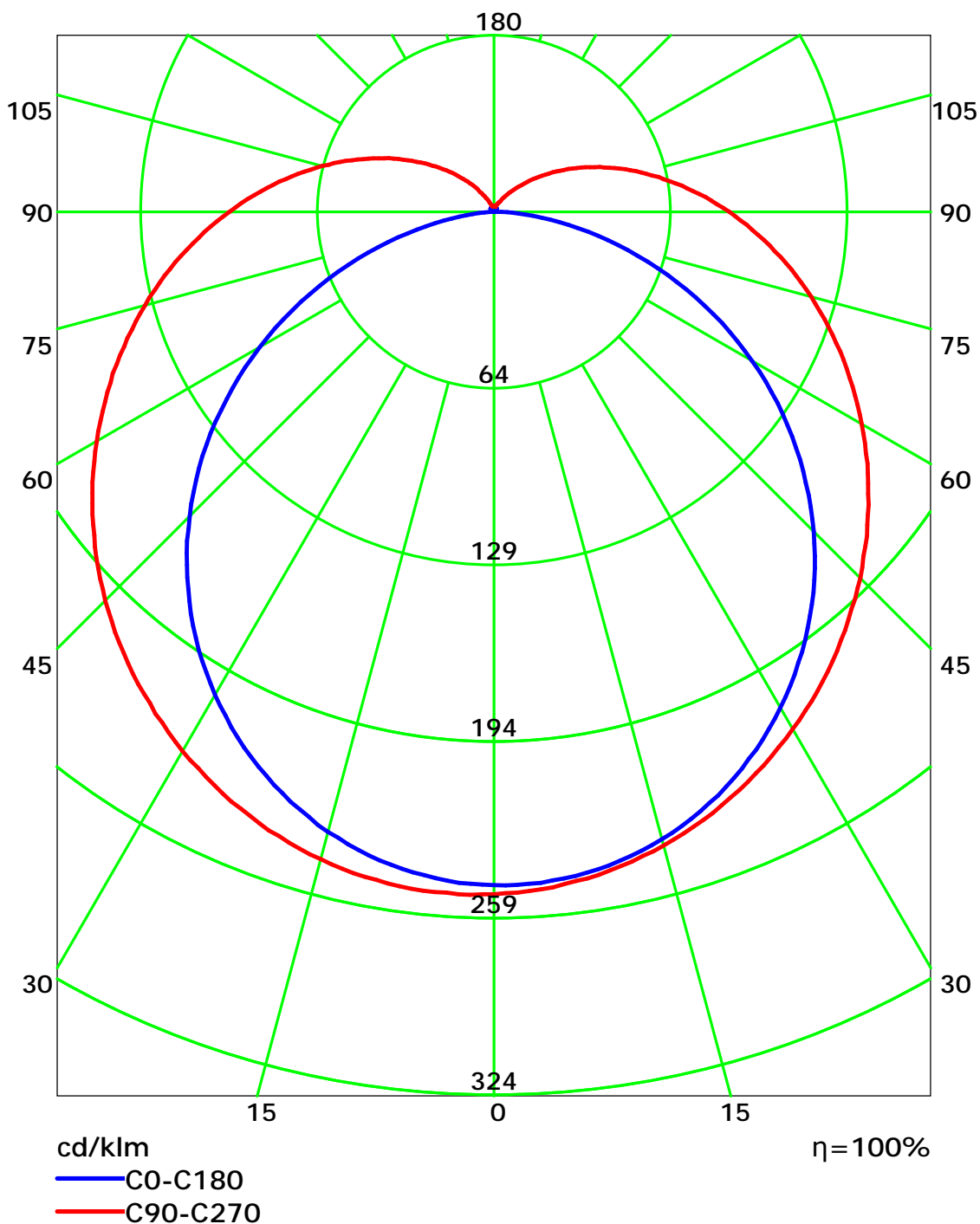
Luminous Intensity Distribution Curve



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

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: Nick

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

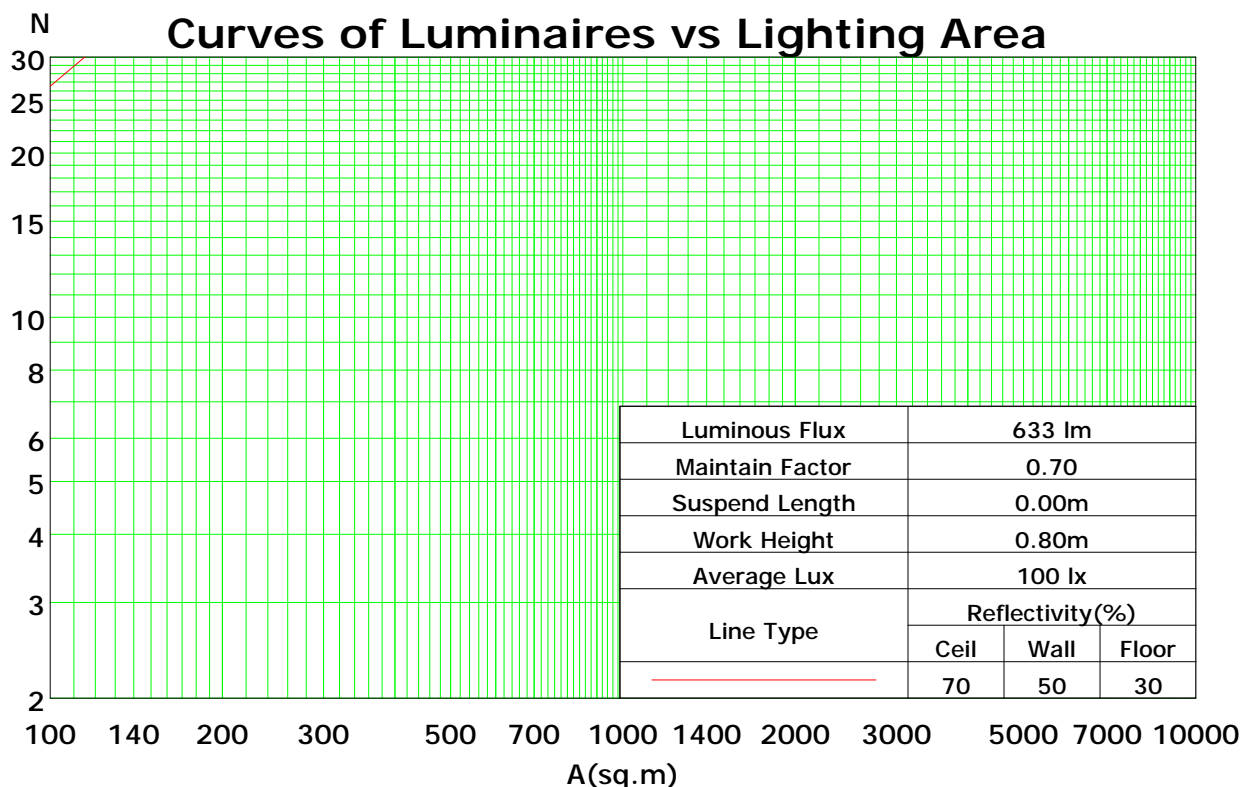
Coefficients Of Utilization - Zonal Cavity Method

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	103	97	92	87	99	94	89	85	87	83	80	81	78	75	75	73	71	68
2	93	83	76	69	89	80	73	67	75	69	64	70	65	61	65	61	57	54
3	84	73	64	56	80	70	62	55	65	58	52	61	55	50	56	52	48	45
4	77	64	54	47	73	62	53	46	57	50	44	54	47	42	50	45	40	38
5	70	57	47	40	67	55	46	39	51	44	38	48	41	36	45	39	35	32
6	65	51	41	35	62	49	40	34	46	38	33	43	37	31	40	35	30	28
7	60	46	37	30	57	44	36	30	42	34	29	39	33	28	37	31	27	24
8	56	42	33	27	53	40	32	26	38	31	26	36	29	25	34	28	24	22
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	26	21	19
10	49	35	27	22	47	34	27	21	32	25	21	31	24	20	29	23	19	17

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.33

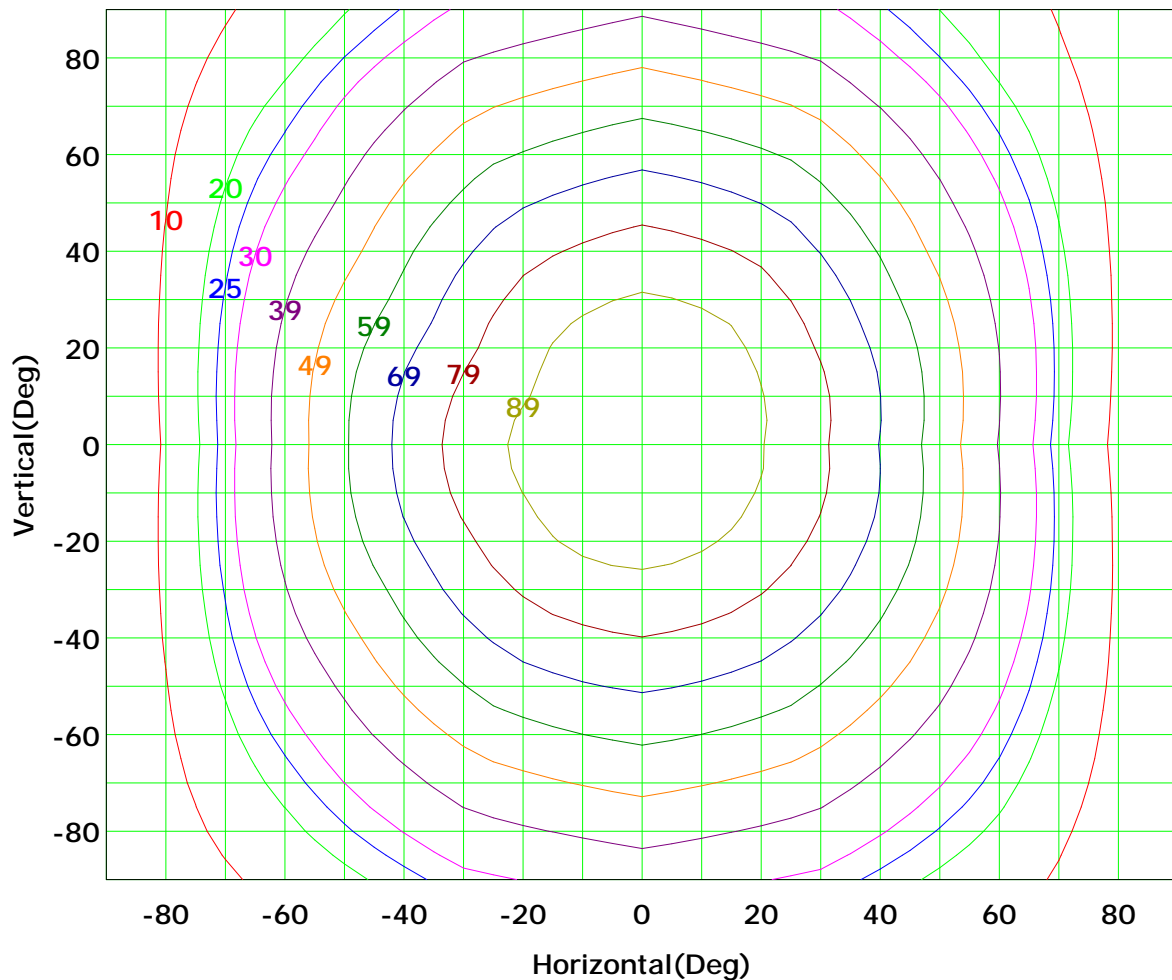
Spacing Criteria (Diagonal): 1.43



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

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

Isocandela (rectangle)



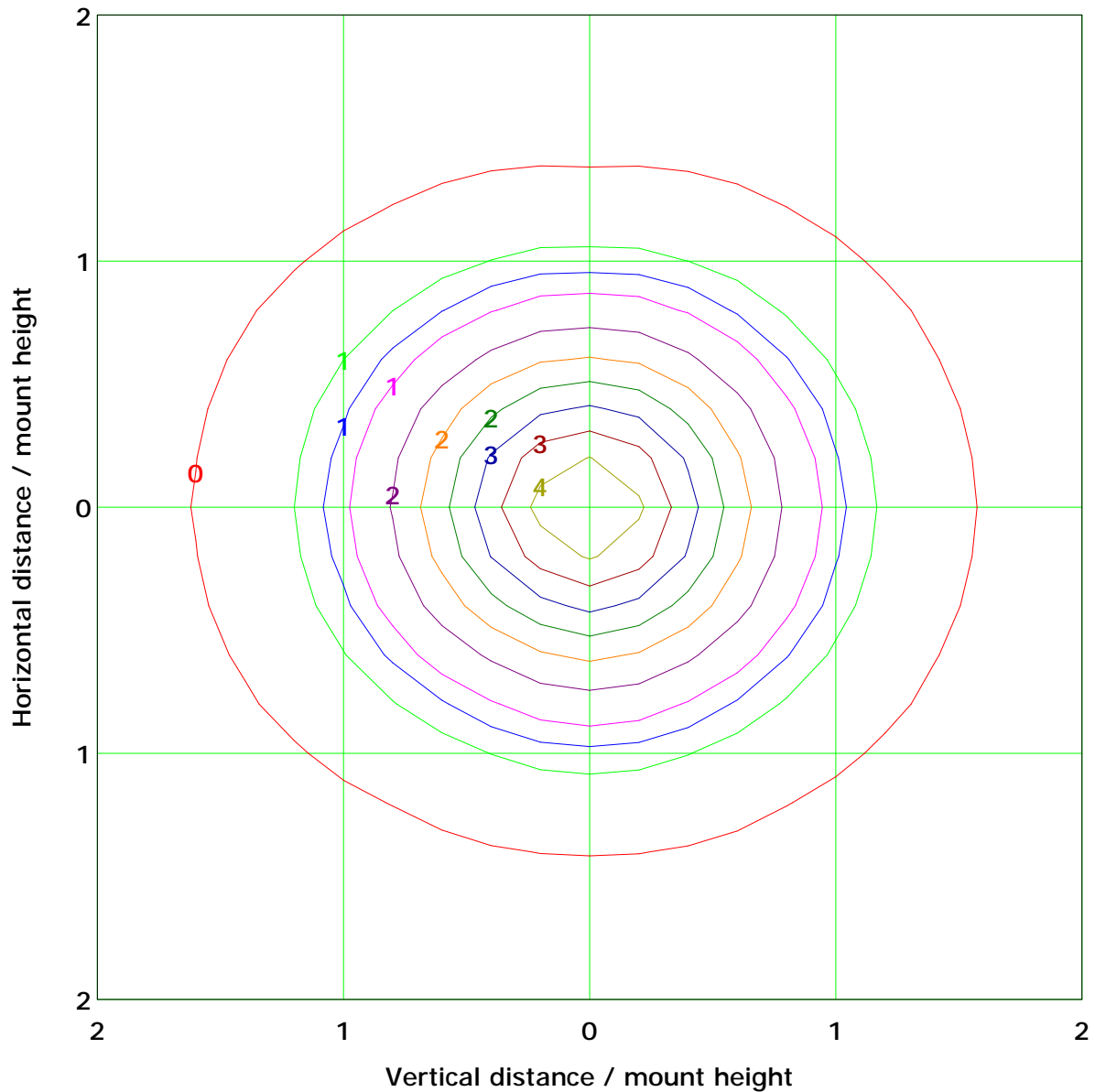
I_{max} (100%): 99 cd

(10%):	10 cd	(20%):	20 cd
(25%):	25 cd	(30%):	30 cd
(40%):	39 cd	(50%):	49 cd
(60%):	59 cd	(70%):	69 cd
(80%):	79 cd	(90%):	89 cd

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

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%): 3.9 lx

(10%): 0.4 lx	(20%): 0.8 lx
(25%): 1.0 lx	(30%): 1.2 lx
(40%): 1.6 lx	(50%): 2.0 lx
(60%): 2.4 lx	(70%): 2.8 lx
(80%): 3.2 lx	(90%): 3.5 lx

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

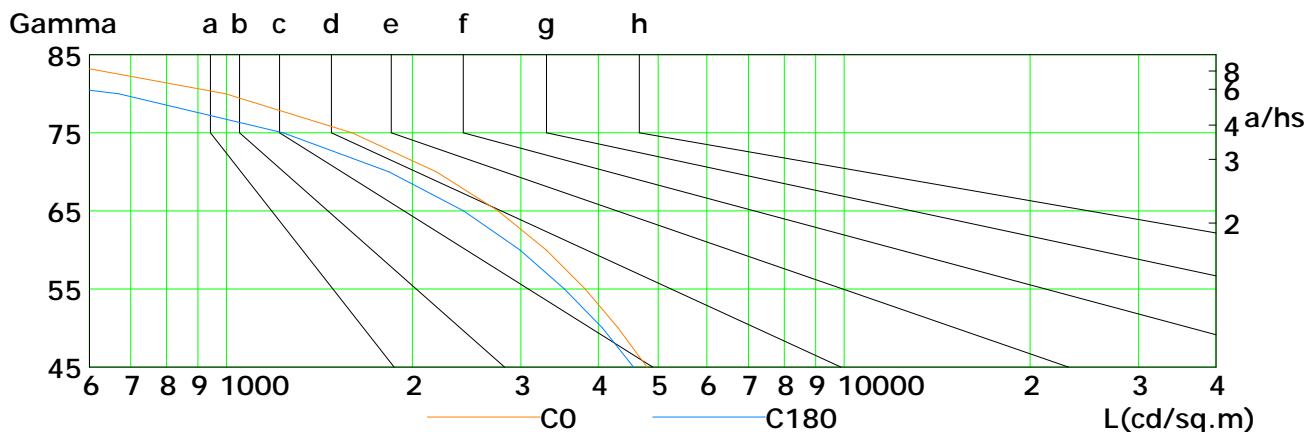
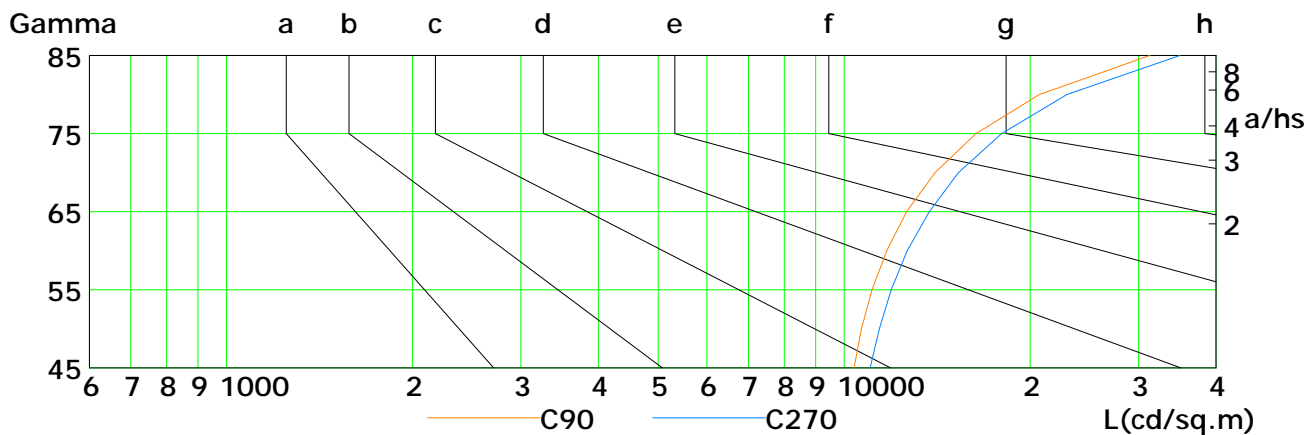
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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



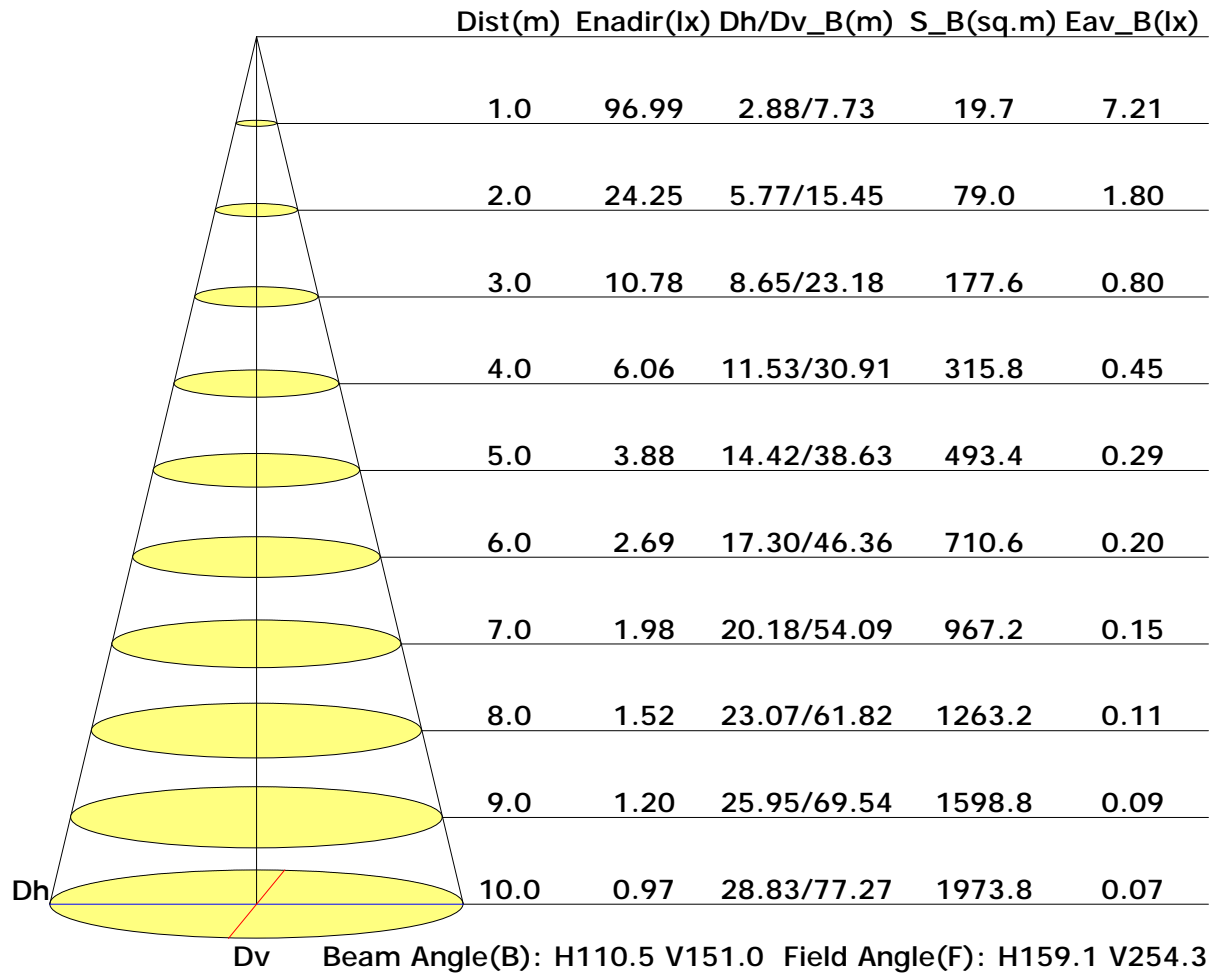
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4799	4307	3811	3293	2755	2188	1597	997	454
C90	10379	10666	11103	11726	12631	14045	16360	20706	31281
C180	4565	4064	3527	2986	2423	1834	1235	669	214
C270	11016	11408	11923	12661	13734	15327	17989	22958	34957

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

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

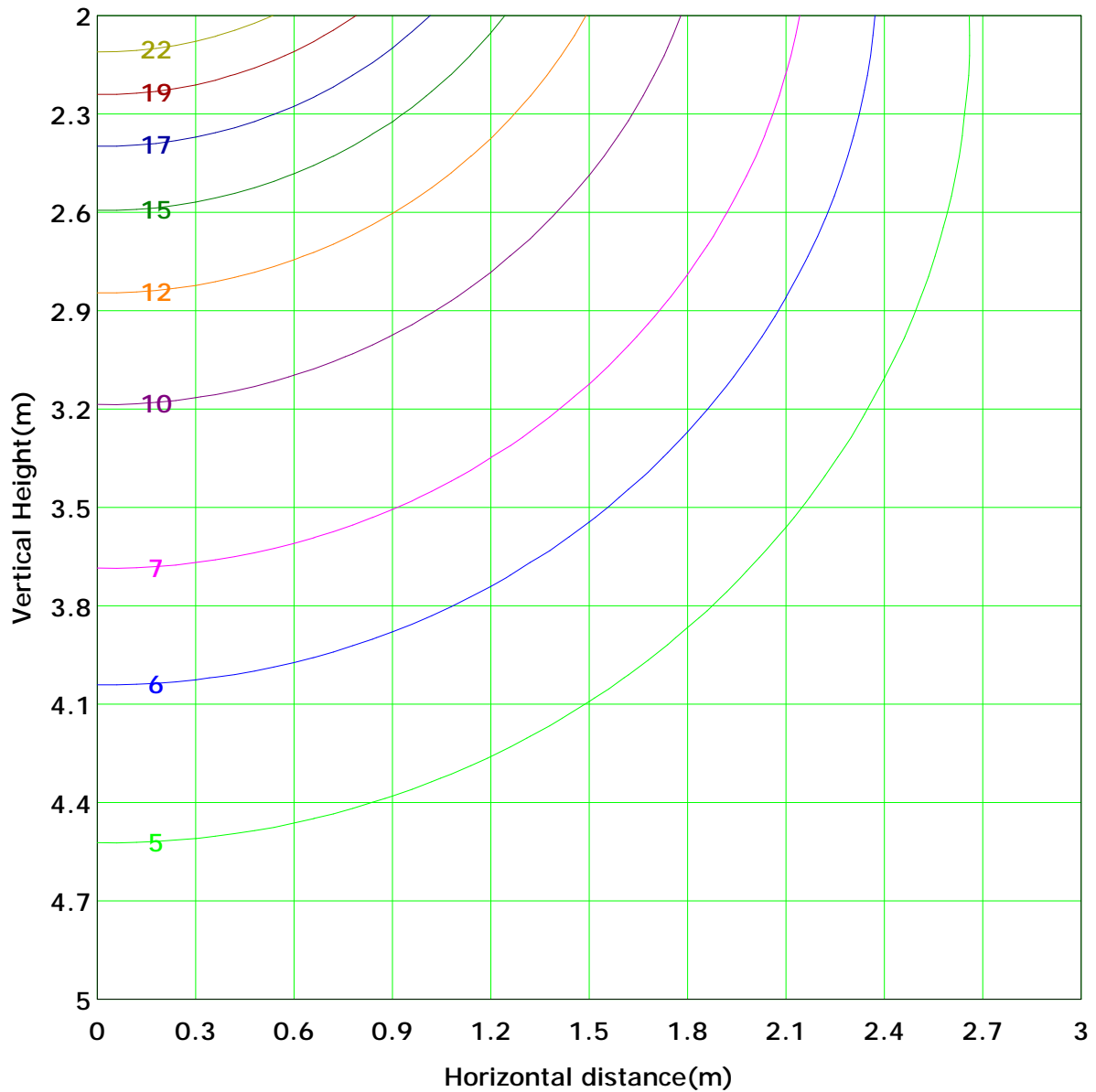


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 24.2 lx
(10%): 2.4 lx	(20%): 4.8 lx	
(25%): 6.1 lx	(30%): 7.3 lx	
(40%): 9.7 lx	(50%): 12.1 lx	
(60%): 14.5 lx	(70%): 17.0 lx	
(80%): 19.4 lx	(90%): 21.8 lx	

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

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

Area Flux Table

Unit: lm

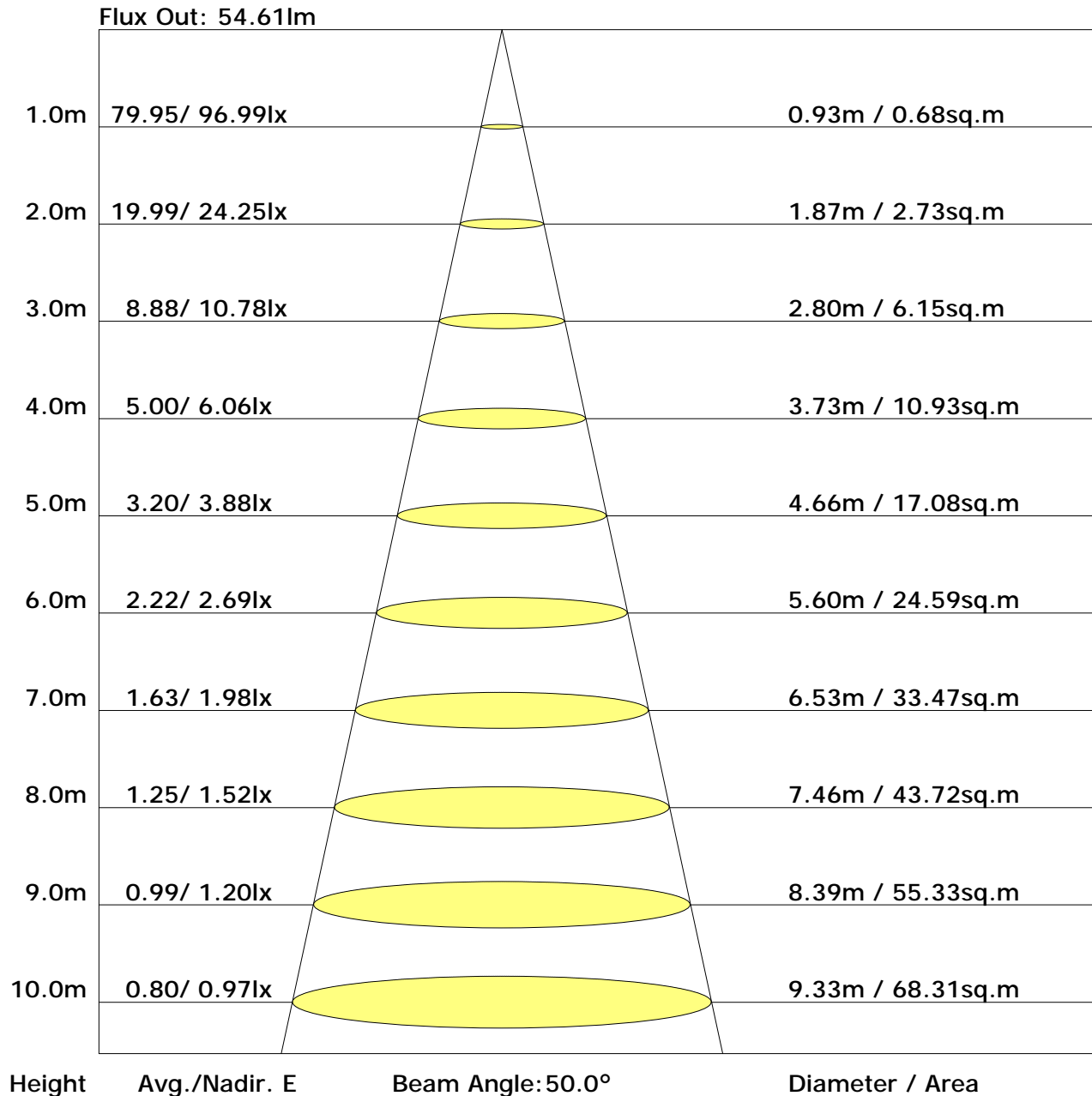
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.1	1.3	1.3	1.1	1.0	0.8	0.5	0.3	0.2	0.1	0.0	0.0		
		0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.1	0.0	0.0	13.1	13.0
		0.0	0.1	0.3	0.5	0.8	1.2	1.5	1.7	1.8	1.8	1.7	1.5	1.2	0.8	0.5	0.3	0.1	0.0	0.0	15.7	15.6
		0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.1	2.1	1.9	1.7	1.3	0.9	0.6	0.3	0.1	0.0	0.0	18.1	18.1
		0.0	0.1	0.3	0.7	1.1	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.7	0.4	0.1	0.0	0.0	20.4	20.4
		0.0	0.1	0.4	0.7	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.6	1.2	0.8	0.4	0.1	0.0	0.0	22.4	22.3
		0.0	0.1	0.4	0.8	1.3	1.8	2.2	2.6	2.8	2.8	2.6	2.2	1.7	1.3	0.8	0.4	0.2	0.0	0.0	23.9	23.9
		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	1.4	0.9	0.5	0.2	0.0	0.0	25.0	25.0
		0.0	0.1	0.4	0.8	1.3	1.9	2.4	2.7	2.9	2.9	2.7	2.4	1.9	1.4	0.9	0.5	0.2	0.0	0.0	25.4	25.4
		0.0	0.1	0.4	0.8	1.3	1.9	2.3	2.7	2.9	2.9	2.7	2.4	1.9	1.4	0.9	0.5	0.2	0.0	0.0	25.4	25.4
		0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.8	2.8	2.6	2.3	1.9	1.4	0.9	0.5	0.2	0.0	0.0	24.8	24.8
		0.0	0.1	0.4	0.8	1.3	1.7	2.2	2.5	2.7	2.7	2.5	2.2	1.7	1.3	0.8	0.4	0.2	0.0	0.0	23.5	23.5
		0.0	0.1	0.4	0.7	1.2	1.6	2.0	2.3	2.5	2.5	2.3	2.0	1.6	1.2	0.8	0.4	0.1	0.0	0.0	21.8	21.7
		0.0	0.1	0.3	0.7	1.1	1.5	1.8	2.1	2.2	2.2	2.1	1.8	1.5	1.1	0.7	0.4	0.1	0.0	0.0	19.6	19.6
		0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.8	2.0	2.0	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	0.0	17.2	17.2
		0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	0.0	14.8	14.7
		0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.3	1.4	1.4	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	0.0	12.2	12.2
		0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0	9.7	9.6
		0.2	1.9	5.8	11.5	18.3	25.5	32.0	36.8	39.6	39.6	36.7	31.9	25.5	18.4	11.7	6.1	2.2	0.3	0.3	344	
		0.0	1.6	5.8	11.5	18.3	25.5	32.0	36.8	39.6	39.6	36.7	31.9	25.5	18.4	11.7	6.1	2.0	0.0	0.0		343

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

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: Nick

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	20.2	21.6	20.7	22.2	22.8	20.1	21.6	20.6	22.1	22.7
3H	22.1	23.4	22.6	24.0	24.6	22.3	23.7	22.9	24.2	24.9
4H	22.8	24.0	23.3	24.6	25.3	23.3	24.6	23.9	25.2	25.8
6H	23.3	24.5	23.9	25.0	25.7	24.3	25.5	24.9	26.1	26.8
8H	23.4	24.6	24.0	25.2	25.9	24.8	25.9	25.4	26.5	27.2
12H	23.5	24.6	24.1	25.2	25.9	25.2	26.3	25.8	26.9	27.6
X=4H Y=2H	20.8	22.1	21.4	22.6	23.3	20.7	22.0	21.3	22.6	23.2
3H	22.8	23.9	23.4	24.6	25.2	23.2	24.3	23.8	24.9	25.6
4H	23.7	24.7	24.3	25.3	26.0	24.4	25.4	25.0	26.0	26.7
6H	24.4	25.3	25.0	25.9	26.6	25.6	26.4	26.2	27.1	27.8
8H	24.6	25.4	25.2	26.1	26.8	26.1	26.9	26.7	27.6	28.3
12H	24.7	25.5	25.4	26.2	26.9	26.6	27.4	27.3	28.1	28.8
X=8H Y=4H	24.2	25.0	24.8	25.6	26.4	24.7	25.6	25.4	26.2	27.0
6H	25.0	25.7	25.7	26.4	27.1	26.1	26.8	26.8	27.5	28.3
8H	25.3	26.0	26.0	26.7	27.4	26.8	27.5	27.5	28.1	28.9
12H	25.6	26.2	26.3	26.9	27.7	27.5	28.1	28.2	28.8	29.6
X=12H Y=4H	24.3	25.0	24.9	25.7	26.4	24.8	25.6	25.4	26.2	27.0
6H	25.2	25.8	25.9	26.5	27.3	26.2	26.9	26.9	27.5	28.3
8H	25.6	26.2	26.3	26.9	27.7	27.0	27.6	27.7	28.2	29.1

Calculate in accordance with CIE 190:2010

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

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 = 1.50									
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	0.51	0.59	0.66	0.72	0.79	0.84	0.87	0.92	0.95	
	0.30		0.43	0.51	0.59	0.64	0.72	0.77	0.81	0.87	0.91	
	0.20		0.38	0.45	0.52	0.58	0.66	0.72	0.76	0.83	0.87	
0.50	0.50	0.20	0.49	0.56	0.62	0.67	0.74	0.78	0.81	0.86	0.89	
	0.30		0.42	0.49	0.56	0.61	0.68	0.73	0.76	0.82	0.85	
	0.20		0.37	0.44	0.50	0.55	0.63	0.68	0.72	0.78	0.82	
0.30	0.50	0.20	0.46	0.53	0.59	0.63	0.69	0.73	0.76	0.80	0.83	
	0.30		0.40	0.47	0.53	0.57	0.64	0.69	0.72	0.77	0.80	
	0.20		0.35	0.42	0.48	0.53	0.60	0.65	0.69	0.74	0.77	
0.00	0.00	0.00	0.32	0.38	0.44	0.48	0.54	0.59	0.62	0.67	0.70	
Rating:5W 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 = 1.50									
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	0.87	0.75	0.67	0.55	0.47	0.41	0.33	0.27	
	0.30		0.84	0.75	0.66	0.59	0.50	0.43	0.38	0.31	0.26	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.25	
0.50	0.50	0.20	0.95	0.82	0.71	0.63	0.51	0.46	0.38	0.31	0.25	
	0.30		0.80	0.71	0.62	0.56	0.47	0.40	0.36	0.29	0.24	
	0.20		0.70	0.63	0.56	0.51	0.43	0.38	0.33	0.28	0.23	
0.30	0.50	0.20	0.90	0.77	0.66	0.59	0.48	0.41	0.36	0.29	0.24	
	0.30		0.76	0.68	0.59	0.53	0.44	0.38	0.34	0.27	0.23	
	0.20		0.67	0.60	0.54	0.49	0.41	0.36	0.32	0.26	0.22	
0.00	0.00	0.00	0.56	0.50	0.44	0.40	0.33	0.29	0.26	0.21	0.18	
Rating:5W 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 = 1.50									
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	0.28	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.34	
	0.30		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31	
	0.20		0.17	0.18	0.19	0.20	0.22	0.24	0.25	0.27	0.28	
0.50	0.50	0.20	0.27	0.29	0.30	0.30	0.31	0.32	0.32	0.32	0.32	
	0.30		0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	
	0.20		0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.26	0.27	
0.30	0.50	0.20	0.27	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.31	
	0.30		0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.29	
	0.20		0.16	0.18	0.19	0.20	0.21	0.23	0.24	0.25	0.26	
0.00	0.00	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
Rating:5W 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	97.4	0.1	0.1	0.02	0.02
1.0-2.0	97.4	0.3	0.4	0.07	0.09
2.0-3.0	97.3	0.5	0.8	0.12	0.21
3.0-4.0	97.2	0.7	1.5	0.17	0.38
4.0-5.0	97.1	0.8	2.3	0.21	0.59
5.0-6.0	96.9	1.0	3.3	0.26	0.85
6.0-7.0	96.8	1.2	4.5	0.31	1.16
7.0-8.0	96.5	1.4	5.9	0.35	1.51
8.0-9.0	96.3	1.6	7.5	0.40	1.91
9.0-10.0	96.0	1.7	9.2	0.44	2.35
10.0-11.0	95.7	1.9	11.1	0.49	2.84
11.0-12.0	95.4	2.1	13.2	0.53	3.37
12.0-13.0	95.0	2.3	15.5	0.57	3.94
13.0-14.0	94.7	2.4	17.9	0.62	4.56
14.0-15.0	94.2	2.6	20.5	0.66	5.22
15.0-16.0	93.8	2.7	23.2	0.70	5.92
16.0-17.0	93.3	2.9	26.1	0.74	6.66
17.0-18.0	92.8	3.1	29.2	0.78	7.44
18.0-19.0	92.3	3.2	32.4	0.82	8.26
19.0-20.0	91.7	3.4	35.8	0.86	9.11
20.0-21.0	91.1	3.5	39.3	0.89	10.00
21.0-22.0	90.5	3.6	42.9	0.93	10.93
22.0-23.0	89.9	3.8	46.7	0.96	11.89
23.0-24.0	89.2	3.9	50.6	0.99	12.89
24.0-25.0	88.6	4.0	54.6	1.03	13.91
25.0-26.0	87.9	4.1	58.8	1.06	14.97
26.0-27.0	87.1	4.3	63.0	1.09	16.05
27.0-28.0	86.4	4.4	67.4	1.11	17.17
28.0-29.0	85.6	4.5	71.9	1.14	18.31
29.0-30.0	84.8	4.6	76.5	1.17	19.47
30.0-31.0	84.0	4.7	81.1	1.19	20.66
31.0-32.0	83.1	4.8	85.9	1.21	21.88
32.0-33.0	82.3	4.8	90.7	1.23	23.11
33.0-34.0	81.4	4.9	95.7	1.26	24.37
34.0-35.0	80.5	5.0	100.7	1.27	25.64
35.0-36.0	79.6	5.1	105.7	1.29	26.93

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

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	78.7	5.1	110.9	1.31	28.24
37.0-38.0	77.7	5.2	116.1	1.32	29.56
38.0-39.0	76.7	5.2	121.3	1.33	30.90
39.0-40.0	75.7	5.3	126.6	1.35	32.24
40.0-41.0	74.7	5.3	131.9	1.36	33.60
41.0-42.0	73.7	5.4	137.3	1.36	34.96
42.0-43.0	72.7	5.4	142.6	1.37	36.33
43.0-44.0	71.6	5.4	148.0	1.38	37.71
44.0-45.0	70.6	5.4	153.5	1.38	39.09
45.0-46.0	69.5	5.4	158.9	1.38	40.48
46.0-47.0	68.4	5.4	164.4	1.39	41.86
47.0-48.0	67.3	5.4	169.8	1.39	43.25
48.0-49.0	66.2	5.4	175.2	1.39	44.63
49.0-50.0	65.1	5.4	180.7	1.38	46.02
50.0-51.0	63.9	5.4	186.1	1.38	47.40
51.0-52.0	62.8	5.4	191.5	1.37	48.77
52.0-53.0	61.7	5.4	196.8	1.37	50.14
53.0-54.0	60.5	5.3	202.2	1.36	51.49
54.0-55.0	59.3	5.3	207.5	1.35	52.84
55.0-56.0	58.2	5.3	212.7	1.34	54.18
56.0-57.0	57.0	5.2	217.9	1.33	55.51
57.0-58.0	55.8	5.2	223.1	1.31	56.82
58.0-59.0	54.6	5.1	228.2	1.30	58.13
59.0-60.0	53.4	5.0	233.2	1.29	59.41
60.0-61.0	52.2	5.0	238.2	1.27	60.68
61.0-62.0	51.0	4.9	243.1	1.25	61.93
62.0-63.0	49.8	4.8	248.0	1.23	63.17
63.0-64.0	48.6	4.8	252.8	1.22	64.39
64.0-65.0	47.5	4.7	257.5	1.20	65.58
65.0-66.0	46.3	4.6	262.1	1.18	66.76
66.0-67.0	45.1	4.5	266.6	1.15	67.91
67.0-68.0	43.9	4.4	271.1	1.13	69.04
68.0-69.0	42.7	4.4	275.4	1.11	70.15
69.0-70.0	41.5	4.3	279.7	1.09	71.24
70.0-71.0	40.3	4.2	283.8	1.06	72.30
71.0-72.0	39.2	4.1	287.9	1.04	73.34

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

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	38.0	4.0	291.9	1.01	74.35
73.0-74.0	36.8	3.9	295.8	0.99	75.34
74.0-75.0	35.7	3.8	299.5	0.96	76.30
75.0-76.0	34.6	3.7	303.2	0.93	77.23
76.0-77.0	33.4	3.6	306.8	0.91	78.14
77.0-78.0	32.4	3.5	310.2	0.88	79.02
78.0-79.0	31.3	3.4	313.6	0.86	79.88
79.0-80.0	30.2	3.3	316.9	0.83	80.71
80.0-81.0	29.1	3.2	320.0	0.80	81.51
81.0-82.0	28.1	3.0	323.1	0.78	82.29
82.0-83.0	27.1	2.9	326.0	0.75	83.04
83.0-84.0	26.0	2.8	328.8	0.72	83.76
84.0-85.0	25.1	2.7	331.6	0.70	84.46
85.0-86.0	24.1	2.6	334.2	0.67	85.13
86.0-87.0	23.2	2.5	336.7	0.65	85.77
87.0-88.0	22.3	2.4	339.2	0.62	86.40
88.0-89.0	21.5	2.4	341.5	0.60	87.00
89.0-90.0	20.7	2.3	343.8	0.58	87.57
90.0-91.0	20.0	2.2	346.0	0.56	88.13
91.0-92.0	19.3	2.1	348.1	0.54	88.67
92.0-93.0	18.6	2.0	350.1	0.52	89.19
93.0-94.0	18.0	2.0	352.1	0.50	89.69
94.0-95.0	17.4	1.9	354.0	0.49	90.18
95.0-96.0	16.8	1.8	355.9	0.47	90.64
96.0-97.0	16.3	1.8	357.6	0.45	91.10
97.0-98.0	15.8	1.7	359.4	0.44	91.53
98.0-99.0	15.2	1.7	361.0	0.42	91.95
99.0-100.0	14.7	1.6	362.6	0.41	92.36
100.0-101.0	14.2	1.5	364.1	0.39	92.75
101.0-102.0	13.7	1.5	365.6	0.38	93.13
102.0-103.0	13.3	1.4	367.0	0.36	93.49
103.0-104.0	12.8	1.4	368.4	0.35	93.83
104.0-105.0	12.3	1.3	369.7	0.33	94.17
105.0-106.0	11.9	1.3	371.0	0.32	94.49
106.0-107.0	11.5	1.2	372.2	0.31	94.79
107.0-108.0	11.0	1.2	373.3	0.29	95.09

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

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	10.6	1.1	374.4	0.28	95.37
109.0-110.0	10.2	1.1	375.5	0.27	95.64
110.0-111.0	9.8	1.0	376.5	0.26	95.90
111.0-112.0	9.4	1.0	377.4	0.25	96.14
112.0-113.0	9.1	0.9	378.4	0.23	96.38
113.0-114.0	8.7	0.9	379.2	0.22	96.60
114.0-115.0	8.4	0.8	380.1	0.21	96.81
115.0-116.0	8.0	0.8	380.9	0.20	97.01
116.0-117.0	7.7	0.8	381.6	0.19	97.21
117.0-118.0	7.4	0.7	382.3	0.18	97.39
118.0-119.0	7.0	0.7	383.0	0.17	97.56
119.0-120.0	6.7	0.6	383.7	0.16	97.72
120.0-121.0	6.4	0.6	384.3	0.15	97.88
121.0-122.0	6.1	0.6	384.8	0.15	98.02
122.0-123.0	5.9	0.5	385.4	0.14	98.16
123.0-124.0	5.6	0.5	385.9	0.13	98.29
124.0-125.0	5.3	0.5	386.4	0.12	98.41
125.0-126.0	5.0	0.5	386.8	0.11	98.53
126.0-127.0	4.8	0.4	387.2	0.11	98.64
127.0-128.0	4.5	0.4	387.6	0.10	98.74
128.0-129.0	4.3	0.4	388.0	0.09	98.83
129.0-130.0	4.1	0.3	388.4	0.09	98.92
130.0-131.0	3.9	0.3	388.7	0.08	99.00
131.0-132.0	3.7	0.3	389.0	0.08	99.08
132.0-133.0	3.5	0.3	389.3	0.07	99.15
133.0-134.0	3.3	0.3	389.5	0.07	99.22
134.0-135.0	3.1	0.2	389.8	0.06	99.28
135.0-136.0	2.9	0.2	390.0	0.06	99.34
136.0-137.0	2.8	0.2	390.2	0.05	99.39
137.0-138.0	2.6	0.2	390.4	0.05	99.44
138.0-139.0	2.5	0.2	390.6	0.05	99.49
139.0-140.0	2.3	0.2	390.8	0.04	99.53
140.0-141.0	2.2	0.2	390.9	0.04	99.57
141.0-142.0	2.0	0.1	391.0	0.04	99.61
142.0-143.0	1.9	0.1	391.2	0.03	99.64
143.0-144.0	1.8	0.1	391.3	0.03	99.67

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

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	1.7	0.1	391.4	0.03	99.69
145.0-146.0	1.6	0.1	391.5	0.02	99.72
146.0-147.0	1.5	0.1	391.6	0.02	99.74
147.0-148.0	1.4	0.1	391.7	0.02	99.76
148.0-149.0	1.3	0.1	391.7	0.02	99.78
149.0-150.0	1.2	0.1	391.8	0.02	99.80
150.0-151.0	1.2	0.1	391.9	0.02	99.82
151.0-152.0	1.1	0.1	391.9	0.02	99.83
152.0-153.0	1.1	0.1	392.0	0.01	99.85
153.0-154.0	1.1	0.1	392.0	0.01	99.86
154.0-155.0	1.0	0.0	392.1	0.01	99.87
155.0-156.0	1.0	0.0	392.1	0.01	99.88
156.0-157.0	0.9	0.0	392.2	0.01	99.89
157.0-158.0	0.9	0.0	392.2	0.01	99.90
158.0-159.0	0.9	0.0	392.2	0.01	99.91
159.0-160.0	0.8	0.0	392.3	0.01	99.92
160.0-161.0	0.8	0.0	392.3	0.01	99.93
161.0-162.0	0.8	0.0	392.3	0.01	99.93
162.0-163.0	0.8	0.0	392.4	0.01	99.94
163.0-164.0	0.8	0.0	392.4	0.01	99.95
164.0-165.0	0.8	0.0	392.4	0.01	99.95
165.0-166.0	0.8	0.0	392.4	0.01	99.96
166.0-167.0	0.8	0.0	392.5	0.01	99.97
167.0-168.0	0.8	0.0	392.5	0.01	99.97
168.0-169.0	0.8	0.0	392.5	0.00	99.97
169.0-170.0	0.8	0.0	392.5	0.00	99.98
170.0-171.0	0.9	0.0	392.5	0.00	99.98
171.0-172.0	0.9	0.0	392.5	0.00	99.99
172.0-173.0	0.8	0.0	392.6	0.00	99.99
173.0-174.0	0.9	0.0	392.6	0.00	99.99
174.0-175.0	0.9	0.0	392.6	0.00	99.99
175.0-176.0	0.9	0.0	392.6	0.00	100.00
176.0-177.0	0.9	0.0	392.6	0.00	100.00
177.0-178.0	0.9	0.0	392.6	0.00	100.00
178.0-179.0	0.9	0.0	392.6	0.00	100.00
179.0-180.0	0.9	0.0	392.6	0.00	100.00

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

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