

Report No.: 20230811

Test Time: 2023/8/11 14:13

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHWH35MSWS2203.030 1 ROW OF RIBBONLYTE

Lamp Description: 1 ROW OF RIBBONLYTE Luminous Length (mm): 500

Luminous Width (mm): 37.5

Luminous Height (mm): 35

Voltage: 24.0 V

Current: 0.190 A

Power: 4.56 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 200.8 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H160.1,H112.1

Vertical Diffuse Angle(10%,50%): V161.8,V111.9

Luminaire Efficacy Rating (LER): 44

Max. Intensity: 70.24 cd

Total Rated Lamp Lumens: 200.8 lm

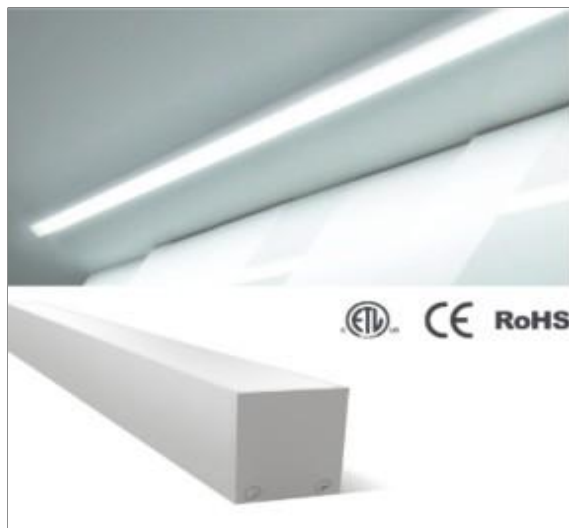
Efficiency: 100%

Upward Ratio: 1%

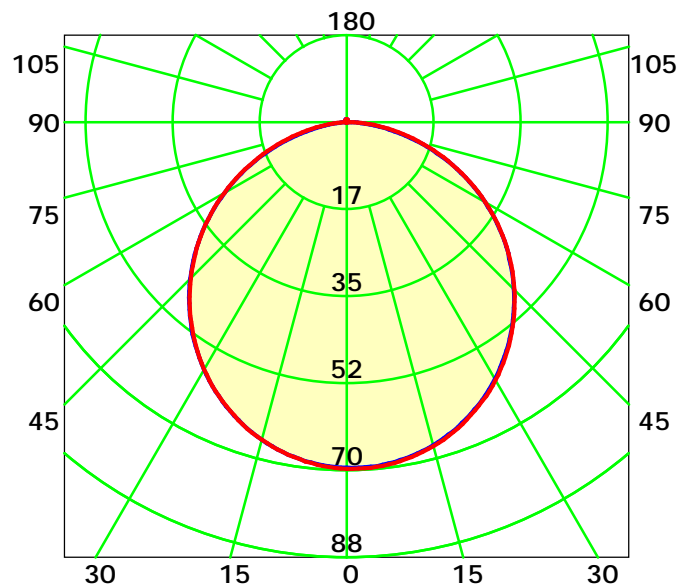
Central Intensity: 69.95 cd

Pos of Max. Intensity: H60 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 112.0°
— 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

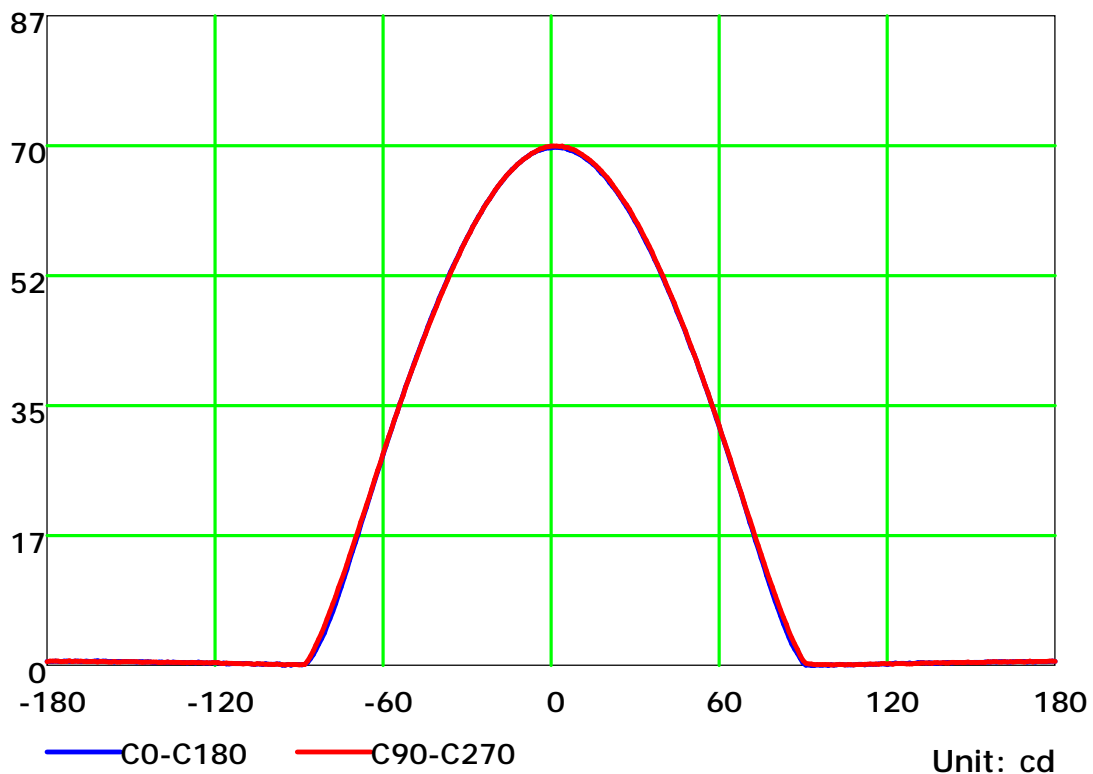
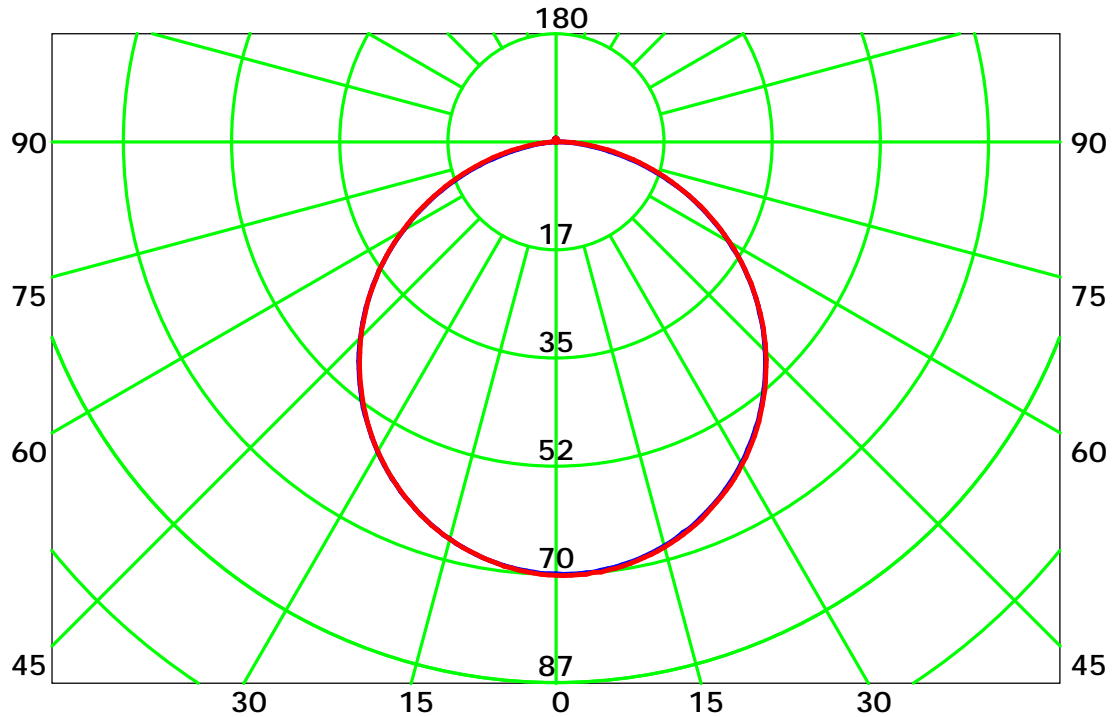
Distance: 9.028 m

Humidity: 60%

Inspector:



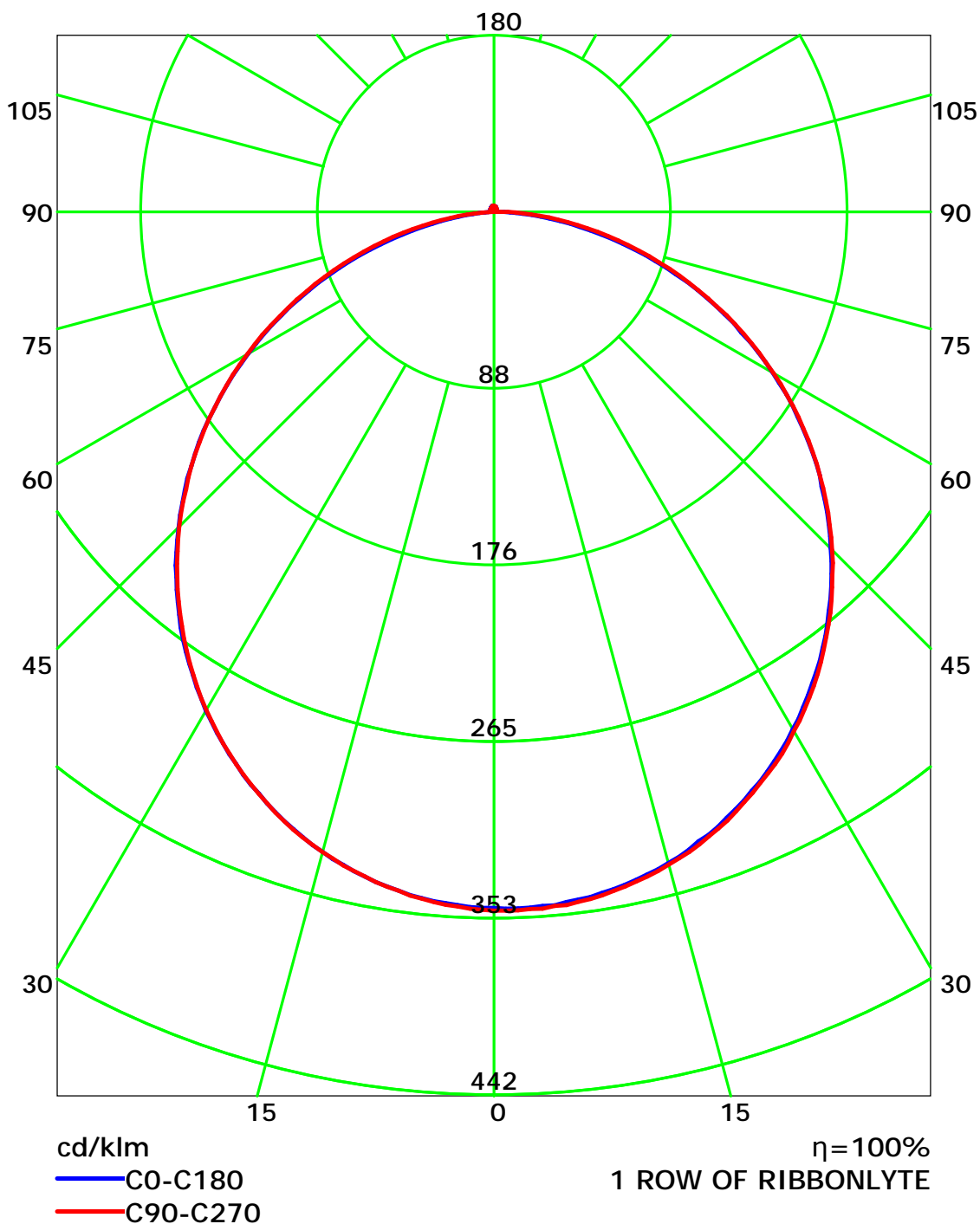
Luminous Intensity Distribution Curve



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:

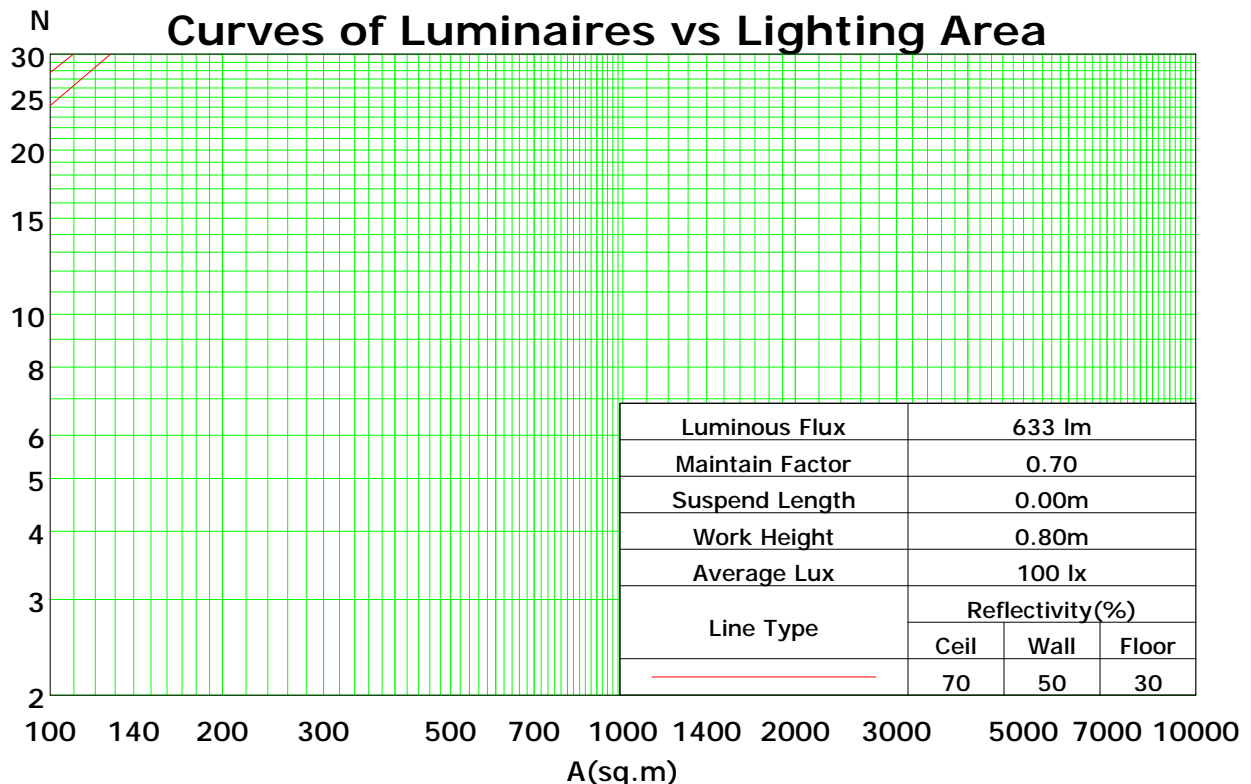
Coefficients Of Utilization - Zonal Cavity Method

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	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	65	87	78	70	64	74	68	63	72	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	52	61	56	52	49
5	76	63	54	47	73	61	53	47	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	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): 1.25

Spacing Criteria (90-270): 1.25

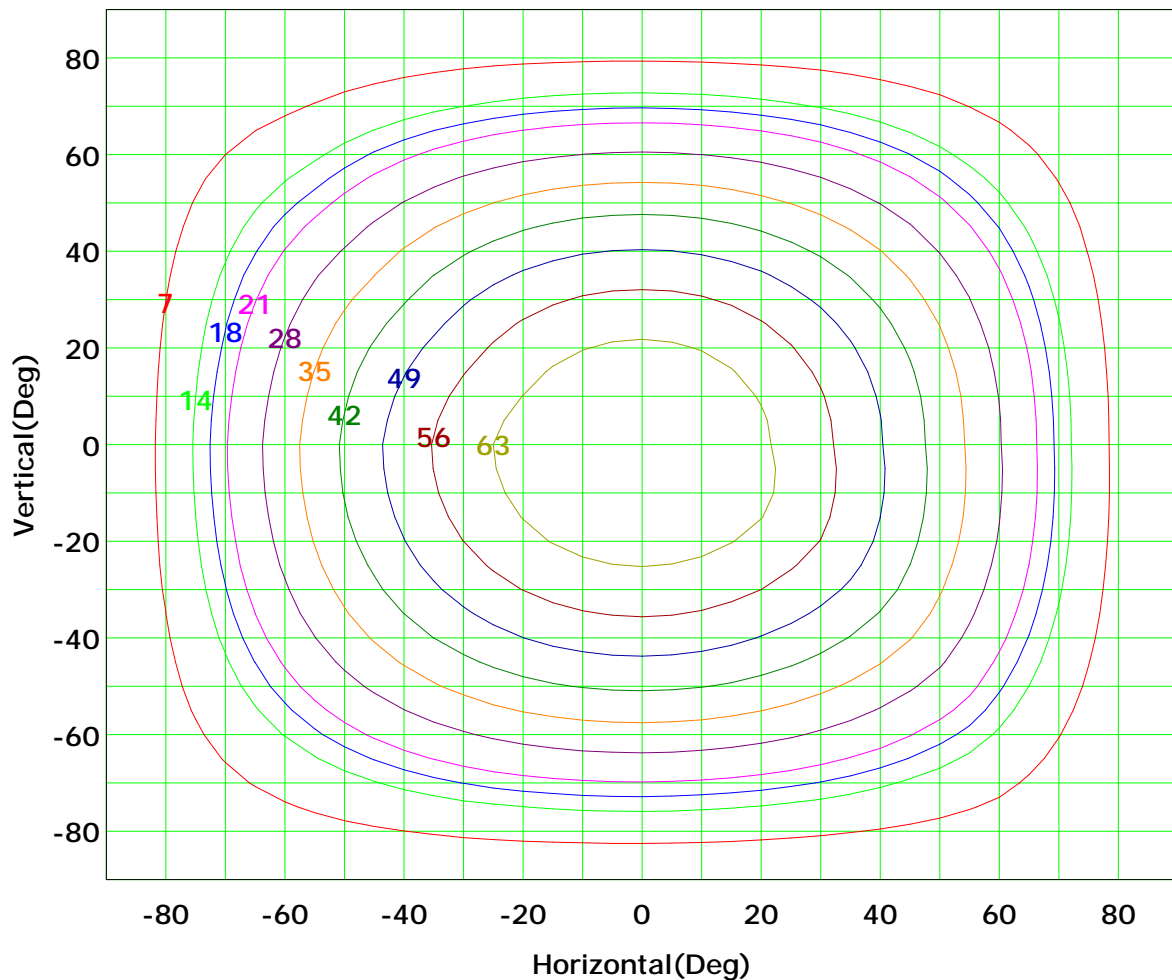
Spacing Criteria (Diagonal): 1.37



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)



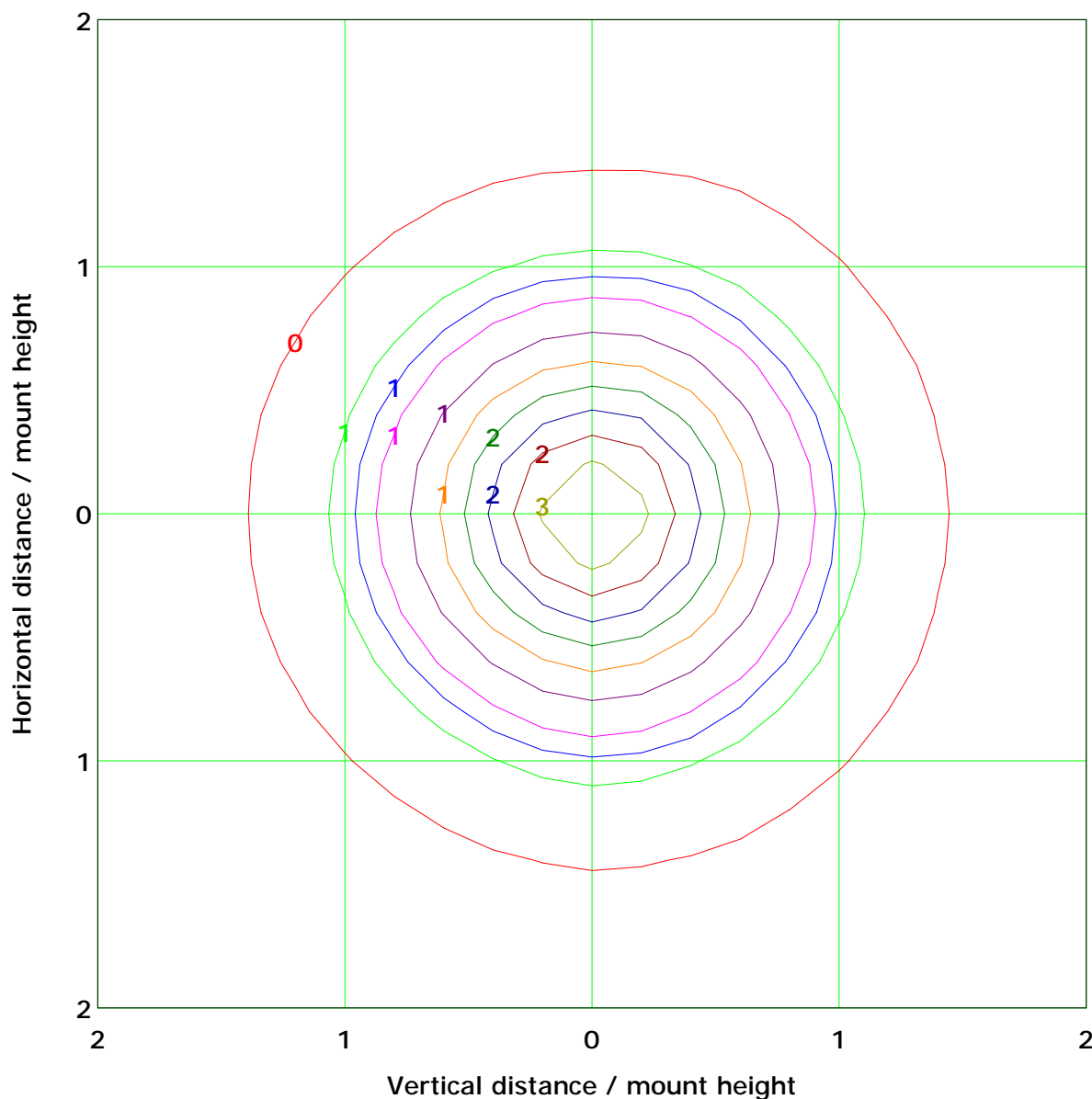
Imax (100%): 70 cd

(10%):	7 cd	(20%):	14 cd
(25%):	18 cd	(30%):	21 cd
(40%):	28 cd	(50%):	35 cd
(60%):	42 cd	(70%):	49 cd
(80%):	56 cd	(90%):	63 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%): 2.8 lx

(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.7 lx	(30%): 0.8 lx
(40%): 1.1 lx	(50%): 1.4 lx
(60%): 1.7 lx	(70%): 2.0 lx
(80%): 2.2 lx	(90%): 2.5 lx

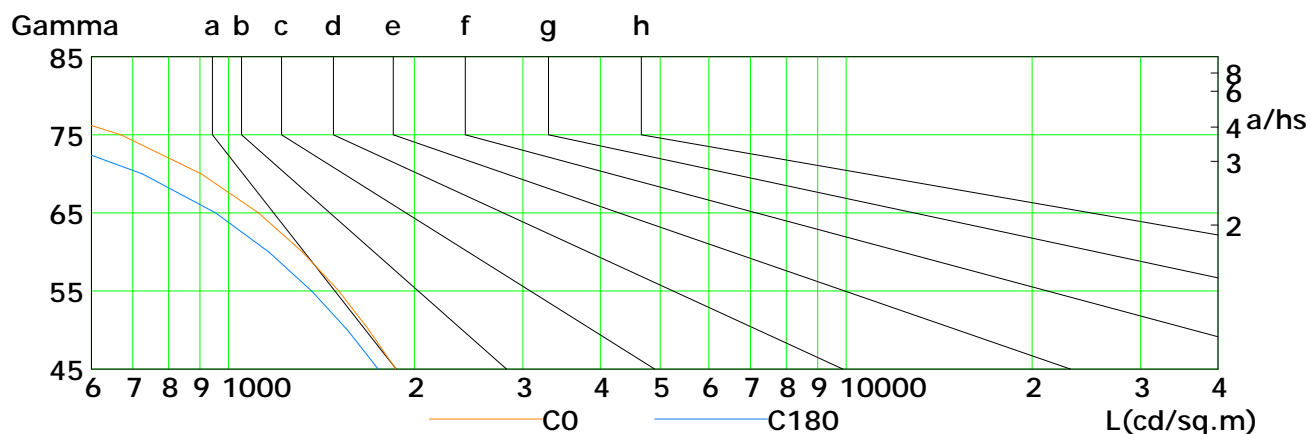
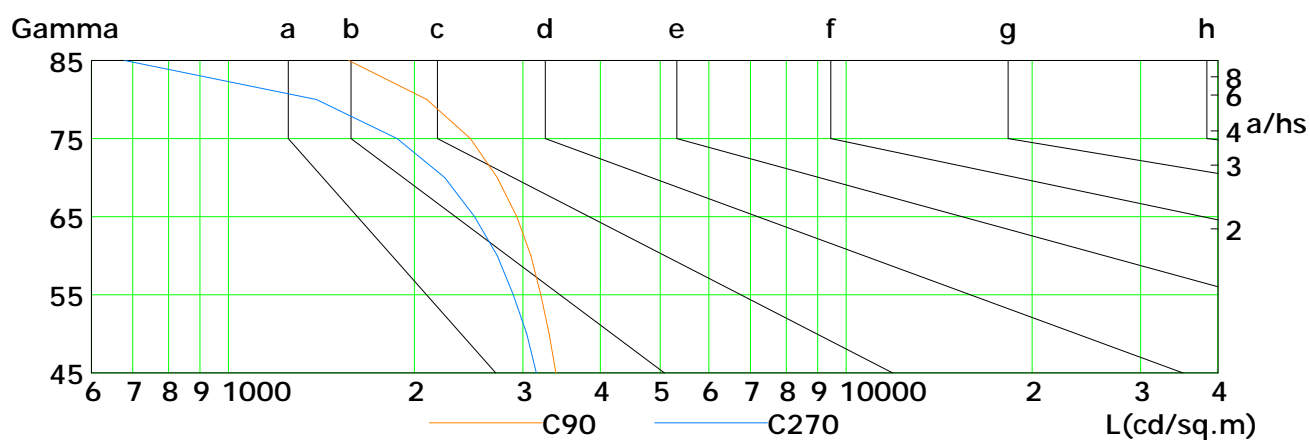
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

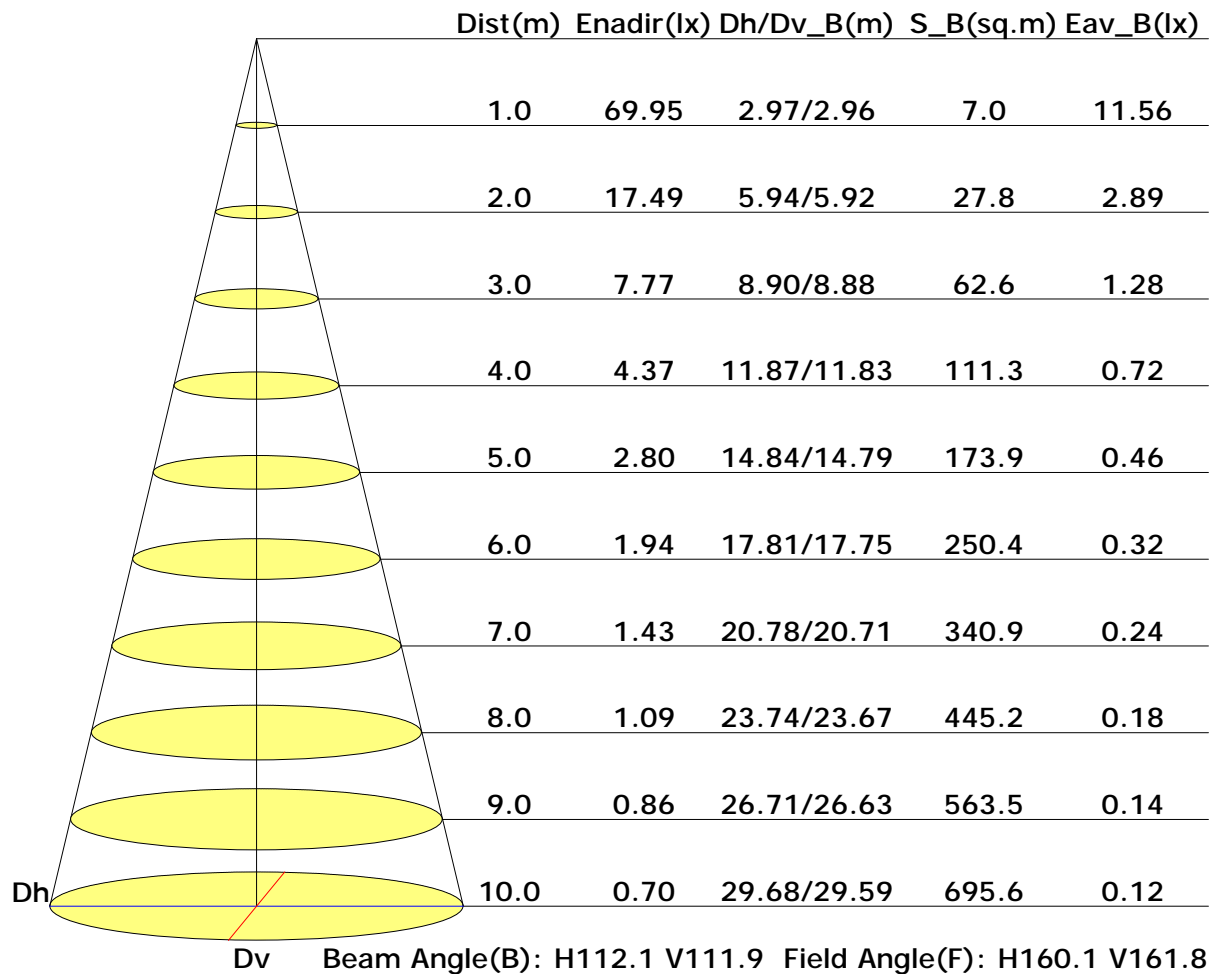


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1868	1688	1510	1318	1120	904	670	426	201
C90	3388	3307	3206	3088	2932	2726	2465	2095	1567
C180	1749	1560	1365	1163	954	725	488	265	78
C270	3153	3042	2894	2726	2505	2240	1876	1389	680

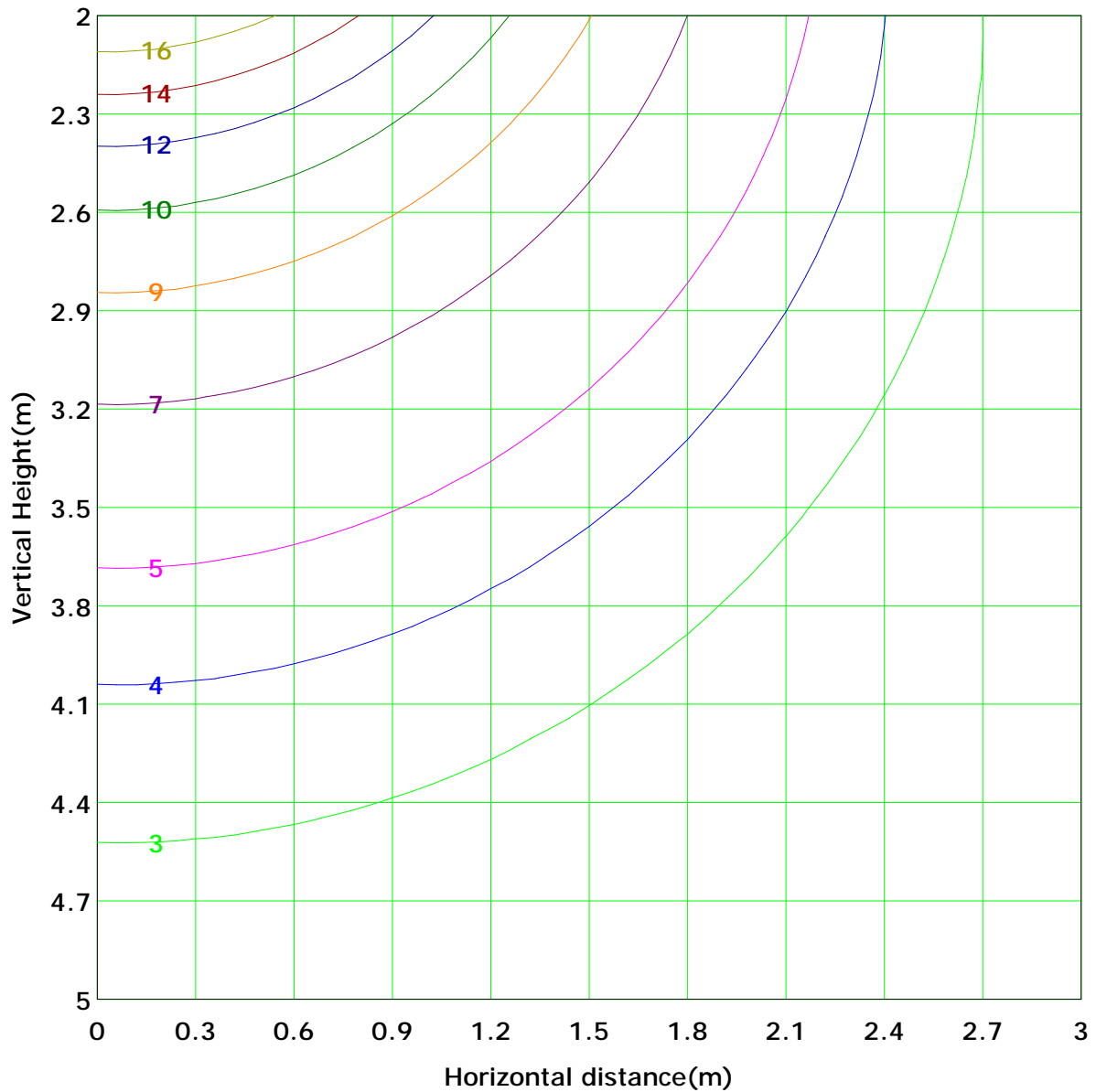
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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: 17.5 lx
(10%): 1.7 lx	(20%): 3.5 lx	
(25%): 4.4 lx	(30%): 5.2 lx	
(40%): 7.0 lx	(50%): 8.7 lx	
(60%): 10.5 lx	(70%): 12.2 lx	
(80%): 14.0 lx	(90%): 15.7 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

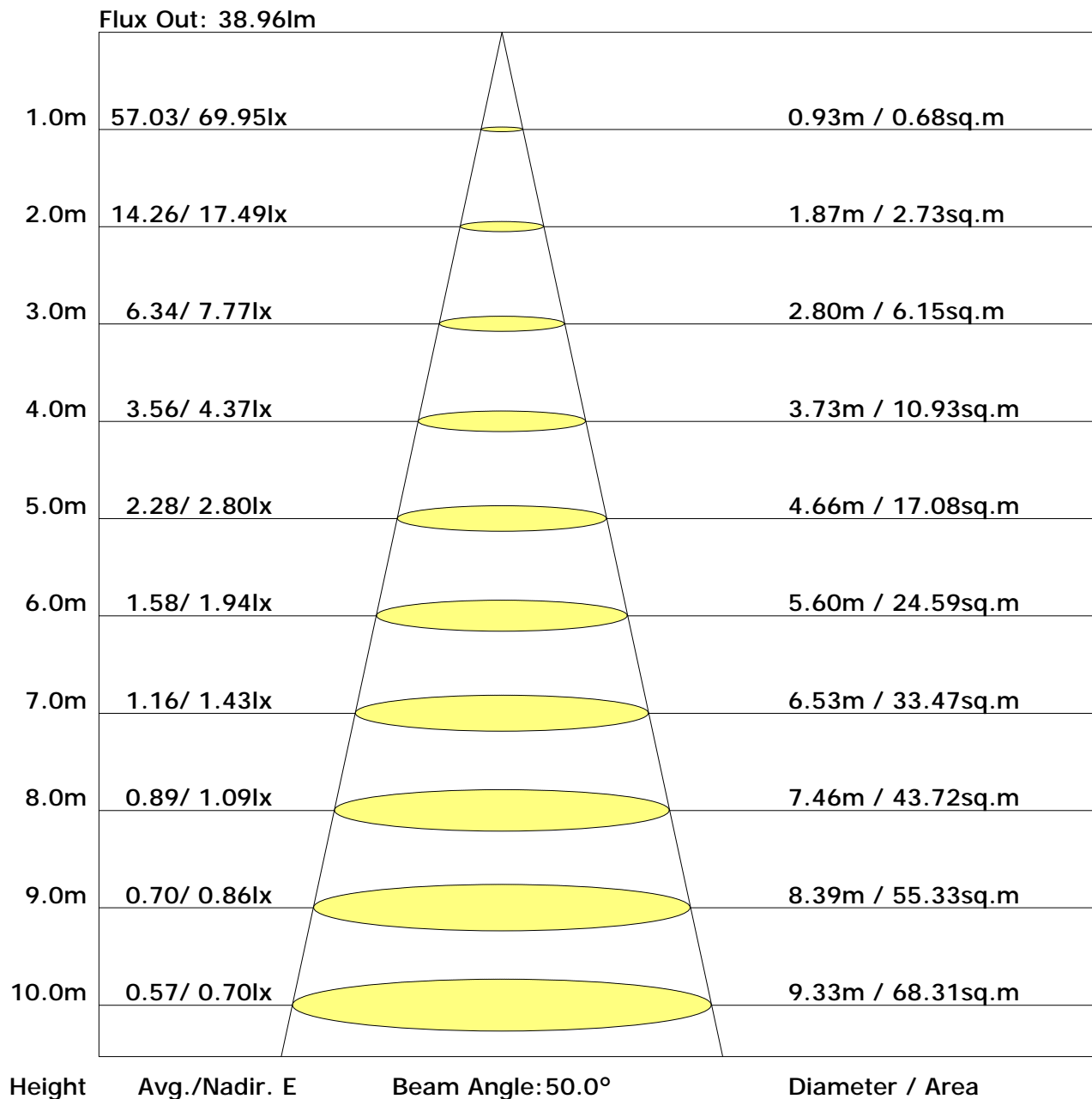
Vertical plane	Horizontal plane																	Flux(T) Flux(E)	Flux(T) Flux(E)	Flux(T) Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
-70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
-60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
-50	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8
-40	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
-30	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
-20	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-10	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
0	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
10	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
20	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
30	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
40	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
50	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
60	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
70	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
80	0.0	0.1	0.3	0.3	0.6	0.9	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
90	0.1	0.9	3.1	6.5	10.5	14.7	18.4	21.3	22.8	22.8	21.3	18.6	14.9	10.9	6.9	3.6	1.2	0.2	199	196

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	20.5	22.1	20.9	22.4	22.8	19.2	20.8	19.6	21.1	21.5
3H	22.3	23.8	22.7	24.1	24.5	20.6	22.1	21.0	22.4	22.8
4H	23.0	24.4	23.4	24.7	25.1	21.1	22.5	21.5	22.8	23.2
6H	23.4	24.7	23.9	25.1	25.5	21.4	22.7	21.8	23.1	23.5
8H	23.6	24.8	24.0	25.2	25.6	21.5	22.7	21.9	23.1	23.5
12H	23.7	24.8	24.1	25.2	25.7	21.5	22.7	22.0	23.1	23.5
X=4H Y=2H	20.8	22.2	21.2	22.6	23.0	19.8	21.2	20.2	21.6	22.0
3H	22.8	23.9	23.2	24.4	24.8	21.4	22.6	21.9	23.0	23.4
4H	23.5	24.6	24.0	25.0	25.5	22.0	23.1	22.5	23.5	24.0
6H	24.1	25.0	24.6	25.5	25.9	22.4	23.3	22.9	23.8	24.3
8H	24.3	25.1	24.7	25.6	26.1	22.5	23.4	23.0	23.8	24.3
12H	24.4	25.1	24.9	25.6	26.1	22.6	23.3	23.1	23.8	24.3
X=8H Y=4H	23.6	24.5	24.1	24.9	25.4	22.3	23.2	22.8	23.6	24.1
6H	24.2	24.9	24.7	25.4	25.9	22.7	23.5	23.3	24.0	24.5
8H	24.4	25.1	25.0	25.6	26.1	22.9	23.5	23.4	24.1	24.6
12H	24.6	25.1	25.1	25.6	26.2	23.0	23.6	23.5	24.1	24.7
X=12H Y=4H	23.6	24.4	24.1	24.9	25.4	22.3	23.1	22.8	23.6	24.1
6H	24.2	24.9	24.8	25.3	25.9	22.8	23.5	23.3	23.9	24.5
8H	24.5	25.0	25.0	25.5	26.1	23.0	23.5	23.5	24.1	24.6

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 = 1.25								
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	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.81	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.82	0.86	0.92	0.96
0.50	0.50	0.20	0.55	0.65	0.71	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	0.92	0.96
	0.20		0.42	0.52	0.60	0.66	0.74	0.80	0.84	0.89	0.93
0.30	0.50	0.20	0.53	0.63	0.69	0.74	0.80	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	0.81	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: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 = 1.25									
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	0.70	0.61	0.49	0.40	0.35	0.27	0.22	
	0.30		0.83	0.71	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	0.33	0.25	0.21	
	0.30		0.81	0.69	0.59	0.52	0.43	0.36	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	0.65	0.56	0.45	0.37	0.31	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
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 = 1.25								
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	0.21	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: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	70.1	0.1	0.1	0.03	0.03
1.0-2.0	70.1	0.2	0.3	0.10	0.13
2.0-3.0	70.0	0.3	0.6	0.17	0.30
3.0-4.0	70.0	0.5	1.1	0.23	0.53
4.0-5.0	69.9	0.6	1.7	0.30	0.83
5.0-6.0	69.7	0.7	2.4	0.37	1.20
6.0-7.0	69.6	0.9	3.3	0.43	1.63
7.0-8.0	69.4	1.0	4.3	0.49	2.12
8.0-9.0	69.2	1.1	5.4	0.56	2.68
9.0-10.0	68.9	1.2	6.6	0.62	3.30
10.0-11.0	68.7	1.4	8.0	0.68	3.99
11.0-12.0	68.4	1.5	9.5	0.74	4.73
12.0-13.0	68.1	1.6	11.1	0.80	5.54
13.0-14.0	67.8	1.7	12.8	0.86	6.40
14.0-15.0	67.4	1.9	14.7	0.92	7.32
15.0-16.0	67.0	2.0	16.7	0.98	8.30
16.0-17.0	66.6	2.1	18.7	1.03	9.33
17.0-18.0	66.2	2.2	20.9	1.09	10.42
18.0-19.0	65.8	2.3	23.2	1.14	11.56
19.0-20.0	65.3	2.4	25.6	1.19	12.75
20.0-21.0	64.8	2.5	28.1	1.24	13.99
21.0-22.0	64.3	2.6	30.7	1.29	15.28
22.0-23.0	63.7	2.7	33.3	1.33	16.61
23.0-24.0	63.2	2.8	36.1	1.38	17.99
24.0-25.0	62.6	2.8	39.0	1.42	19.41
25.0-26.0	62.0	2.9	41.9	1.46	20.86
26.0-27.0	61.4	3.0	44.9	1.50	22.36
27.0-28.0	60.7	3.1	48.0	1.53	23.89
28.0-29.0	60.1	3.1	51.1	1.57	25.46
29.0-30.0	59.4	3.2	54.3	1.60	27.05
30.0-31.0	58.7	3.3	57.6	1.63	28.68
31.0-32.0	58.0	3.3	60.9	1.65	30.34
32.0-33.0	57.2	3.4	64.3	1.68	32.02
33.0-34.0	56.5	3.4	67.7	1.70	33.72
34.0-35.0	55.7	3.5	71.1	1.72	35.44
35.0-36.0	54.9	3.5	74.6	1.74	37.18

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	54.1	3.5	78.2	1.76	38.94
37.0-38.0	53.2	3.6	81.7	1.77	40.71
38.0-39.0	52.4	3.6	85.3	1.78	42.49
39.0-40.0	51.5	3.6	88.9	1.79	44.28
40.0-41.0	50.6	3.6	92.5	1.80	46.07
41.0-42.0	49.7	3.6	96.1	1.80	47.87
42.0-43.0	48.8	3.6	99.7	1.80	49.67
43.0-44.0	47.9	3.6	103.3	1.80	51.47
44.0-45.0	46.9	3.6	106.9	1.80	53.27
45.0-46.0	46.0	3.6	110.5	1.79	55.06
46.0-47.0	45.0	3.6	114.1	1.78	56.84
47.0-48.0	44.0	3.6	117.7	1.77	58.61
48.0-49.0	43.0	3.5	121.2	1.76	60.37
49.0-50.0	42.0	3.5	124.7	1.74	62.12
50.0-51.0	40.9	3.5	128.2	1.73	63.84
51.0-52.0	39.9	3.4	131.6	1.71	65.55
52.0-53.0	38.8	3.4	135.0	1.68	67.23
53.0-54.0	37.8	3.3	138.3	1.66	68.89
54.0-55.0	36.7	3.3	141.6	1.63	70.52
55.0-56.0	35.6	3.2	144.8	1.60	72.12
56.0-57.0	34.5	3.2	147.9	1.57	73.69
57.0-58.0	33.4	3.1	151.0	1.54	75.23
58.0-59.0	32.2	3.0	154.0	1.50	76.73
59.0-60.0	31.1	2.9	157.0	1.46	78.19
60.0-61.0	30.0	2.9	159.8	1.42	79.62
61.0-62.0	28.8	2.8	162.6	1.38	81.00
62.0-63.0	27.7	2.7	165.3	1.34	82.34
63.0-64.0	26.5	2.6	167.9	1.29	83.64
64.0-65.0	25.3	2.5	170.4	1.25	84.88
65.0-66.0	24.1	2.4	172.8	1.20	86.08
66.0-67.0	23.0	2.3	175.1	1.15	87.23
67.0-68.0	21.8	2.2	177.3	1.10	88.33
68.0-69.0	20.6	2.1	179.4	1.05	89.38
69.0-70.0	19.4	2.0	181.4	0.99	90.37
70.0-71.0	18.2	1.9	183.3	0.94	91.31
71.0-72.0	17.1	1.8	185.1	0.88	92.19

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	15.9	1.7	186.7	0.83	93.02
73.0-74.0	14.7	1.5	188.3	0.77	93.79
74.0-75.0	13.6	1.4	189.7	0.71	94.51
75.0-76.0	12.4	1.3	191.0	0.66	95.16
76.0-77.0	11.3	1.2	192.3	0.60	95.76
77.0-78.0	10.2	1.1	193.3	0.55	96.31
78.0-79.0	9.1	1.0	194.3	0.49	96.80
79.0-80.0	8.1	0.9	195.2	0.43	97.23
80.0-81.0	7.1	0.8	196.0	0.38	97.61
81.0-82.0	6.1	0.7	196.6	0.33	97.94
82.0-83.0	5.2	0.6	197.2	0.28	98.22
83.0-84.0	4.3	0.5	197.7	0.23	98.46
84.0-85.0	3.4	0.4	198.0	0.19	98.64
85.0-86.0	2.6	0.3	198.3	0.14	98.79
86.0-87.0	1.9	0.2	198.5	0.10	98.89
87.0-88.0	1.3	0.1	198.7	0.07	98.96
88.0-89.0	0.9	0.1	198.8	0.05	99.01
89.0-90.0	0.5	0.1	198.8	0.03	99.04
90.0-91.0	0.3	0.0	198.9	0.01	99.05
91.0-92.0	0.2	0.0	198.9	0.01	99.06
92.0-93.0	0.1	0.0	198.9	0.01	99.07
93.0-94.0	0.1	0.0	198.9	0.01	99.08
94.0-95.0	0.1	0.0	198.9	0.01	99.08
95.0-96.0	0.1	0.0	198.9	0.01	99.09
96.0-97.0	0.1	0.0	198.9	0.01	99.10
97.0-98.0	0.1	0.0	199.0	0.01	99.10
98.0-99.0	0.1	0.0	199.0	0.01	99.11
99.0-100.0	0.1	0.0	199.0	0.01	99.12
100.0-101.0	0.1	0.0	199.0	0.01	99.13
101.0-102.0	0.2	0.0	199.0	0.01	99.13
102.0-103.0	0.2	0.0	199.0	0.01	99.14
103.0-104.0	0.2	0.0	199.1	0.01	99.15
104.0-105.0	0.2	0.0	199.1	0.01	99.16
105.0-106.0	0.2	0.0	199.1	0.01	99.17
106.0-107.0	0.2	0.0	199.1	0.01	99.18
107.0-108.0	0.2	0.0	199.1	0.01	99.19

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	0.2	0.0	199.1	0.01	99.20
109.0-110.0	0.2	0.0	199.2	0.01	99.21
110.0-111.0	0.2	0.0	199.2	0.01	99.22
111.0-112.0	0.2	0.0	199.2	0.01	99.23
112.0-113.0	0.2	0.0	199.2	0.01	99.24
113.0-114.0	0.2	0.0	199.3	0.01	99.26
114.0-115.0	0.2	0.0	199.3	0.01	99.27
115.0-116.0	0.3	0.0	199.3	0.01	99.28
116.0-117.0	0.3	0.0	199.3	0.01	99.29
117.0-118.0	0.3	0.0	199.4	0.01	99.31
118.0-119.0	0.3	0.0	199.4	0.01	99.32
119.0-120.0	0.3	0.0	199.4	0.01	99.33
120.0-121.0	0.3	0.0	199.4	0.01	99.35
121.0-122.0	0.3	0.0	199.5	0.01	99.36
122.0-123.0	0.3	0.0	199.5	0.01	99.38
123.0-124.0	0.3	0.0	199.5	0.01	99.39
124.0-125.0	0.3	0.0	199.6	0.01	99.41
125.0-126.0	0.3	0.0	199.6	0.01	99.42
126.0-127.0	0.3	0.0	199.6	0.01	99.44
127.0-128.0	0.3	0.0	199.7	0.01	99.45
128.0-129.0	0.4	0.0	199.7	0.02	99.47
129.0-130.0	0.4	0.0	199.7	0.01	99.48
130.0-131.0	0.4	0.0	199.7	0.02	99.50
131.0-132.0	0.4	0.0	199.8	0.02	99.51
132.0-133.0	0.4	0.0	199.8	0.02	99.53
133.0-134.0	0.4	0.0	199.8	0.02	99.54
134.0-135.0	0.4	0.0	199.9	0.02	99.56
135.0-136.0	0.4	0.0	199.9	0.02	99.57
136.0-137.0	0.4	0.0	199.9	0.02	99.59
137.0-138.0	0.4	0.0	200.0	0.02	99.60
138.0-139.0	0.4	0.0	200.0	0.01	99.62
139.0-140.0	0.4	0.0	200.0	0.02	99.63
140.0-141.0	0.4	0.0	200.0	0.02	99.65
141.0-142.0	0.4	0.0	200.1	0.01	99.66
142.0-143.0	0.4	0.0	200.1	0.01	99.68
143.0-144.0	0.5	0.0	200.1	0.01	99.69

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	0.5	0.0	200.2	0.01	99.71
145.0-146.0	0.5	0.0	200.2	0.01	99.72
146.0-147.0	0.5	0.0	200.2	0.01	99.74
147.0-148.0	0.5	0.0	200.3	0.01	99.75
148.0-149.0	0.5	0.0	200.3	0.01	99.76
149.0-150.0	0.5	0.0	200.3	0.01	99.78
150.0-151.0	0.5	0.0	200.3	0.01	99.79
151.0-152.0	0.5	0.0	200.4	0.01	99.80
152.0-153.0	0.5	0.0	200.4	0.01	99.82
153.0-154.0	0.5	0.0	200.4	0.01	99.83
154.0-155.0	0.5	0.0	200.4	0.01	99.84
155.0-156.0	0.5	0.0	200.5	0.01	99.85
156.0-157.0	0.5	0.0	200.5	0.01	99.86
157.0-158.0	0.5	0.0	200.5	0.01	99.87
158.0-159.0	0.5	0.0	200.5	0.01	99.88
159.0-160.0	0.5	0.0	200.5	0.01	99.89
160.0-161.0	0.5	0.0	200.6	0.01	99.90
161.0-162.0	0.6	0.0	200.6	0.01	99.91
162.0-163.0	0.5	0.0	200.6	0.01	99.92
163.0-164.0	0.5	0.0	200.6	0.01	99.93
164.0-165.0	0.5	0.0	200.6	0.01	99.94
165.0-166.0	0.6	0.0	200.6	0.01	99.95
166.0-167.0	0.6	0.0	200.7	0.01	99.95
167.0-168.0	0.6	0.0	200.7	0.01	99.96
168.0-169.0	0.6	0.0	200.7	0.01	99.97
169.0-170.0	0.6	0.0	200.7	0.01	99.97
170.0-171.0	0.6	0.0	200.7	0.01	99.98
171.0-172.0	0.6	0.0	200.7	0.00	99.98
172.0-173.0	0.6	0.0	200.7	0.00	99.99
173.0-174.0	0.6	0.0	200.7	0.00	99.99
174.0-175.0	0.6	0.0	200.7	0.00	99.99
175.0-176.0	0.6	0.0	200.7	0.00	100.00
176.0-177.0	0.6	0.0	200.8	0.00	100.00
177.0-178.0	0.6	0.0	200.8	0.00	100.00
178.0-179.0	0.6	0.0	200.8	0.00	100.00
179.0-180.0	0.6	0.0	200.8	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: