

Report No.:

Test Time: 2021/10/25 11:00

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAR7MRB90SWMC203.030

Luminous Length (mm): 500

Luminous Width (mm): 16.1

Luminous Height (mm): 15

Voltage: 24.0 V

Current: 0.203 A

Power: 4.86 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 152.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H158.7,H110.7

Vertical Diffuse Angle(10%,50%): V159.6,V110.3

Luminaire Efficacy Rating (LER): 31

Max. Intensity: 54.32 cd

Total Rated Lamp Lumens: 152.3 lm

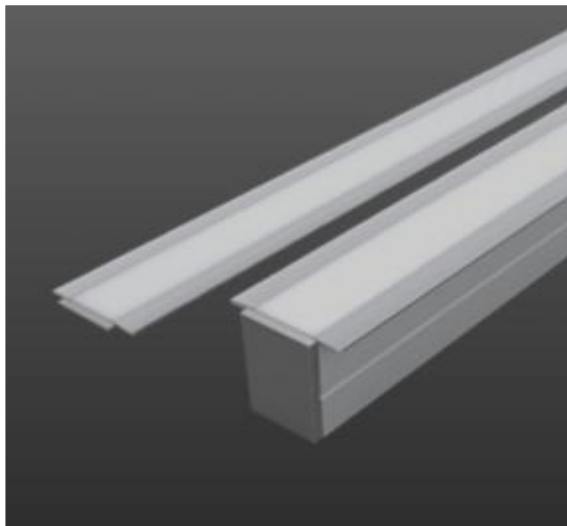
Efficiency: 100%

Upward Ratio: 1%

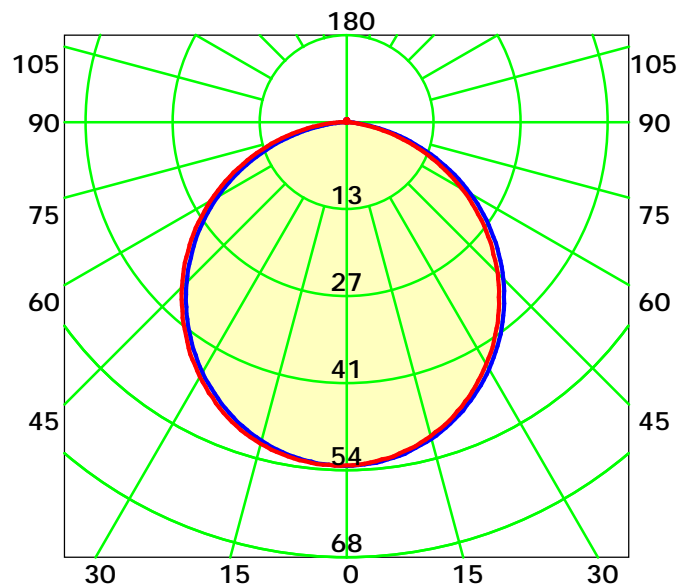
Central Intensity: 54.27 cd

Pos of Max. Intensity: H300 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.5° 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

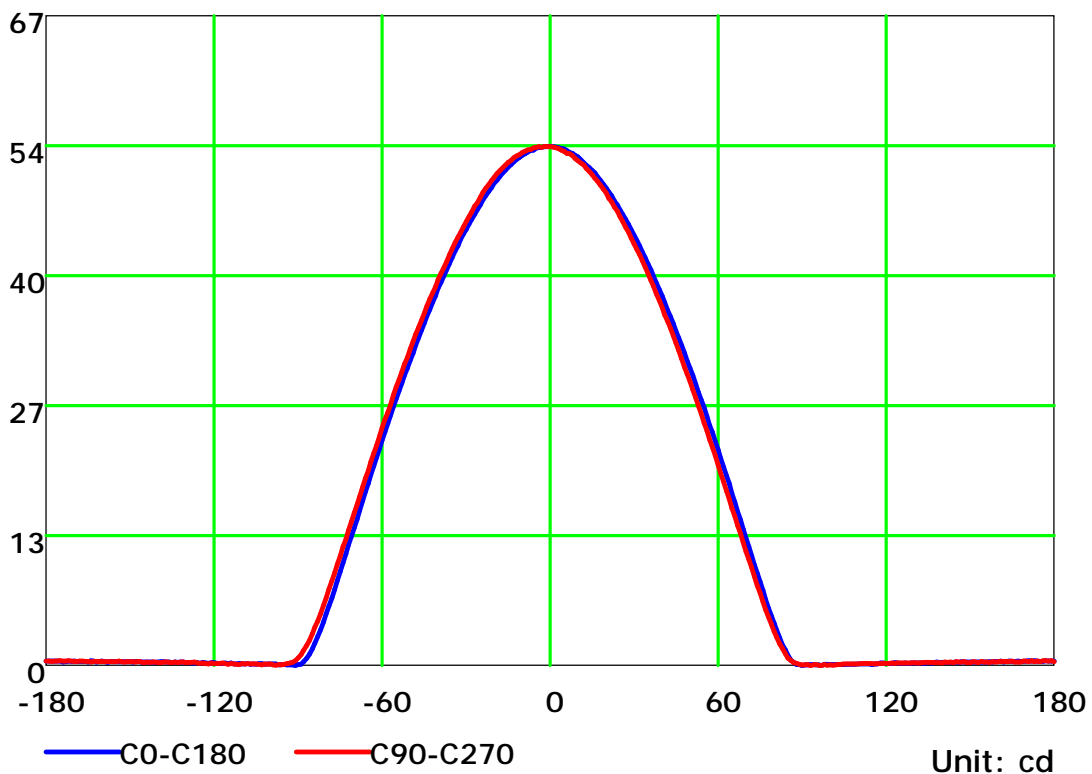
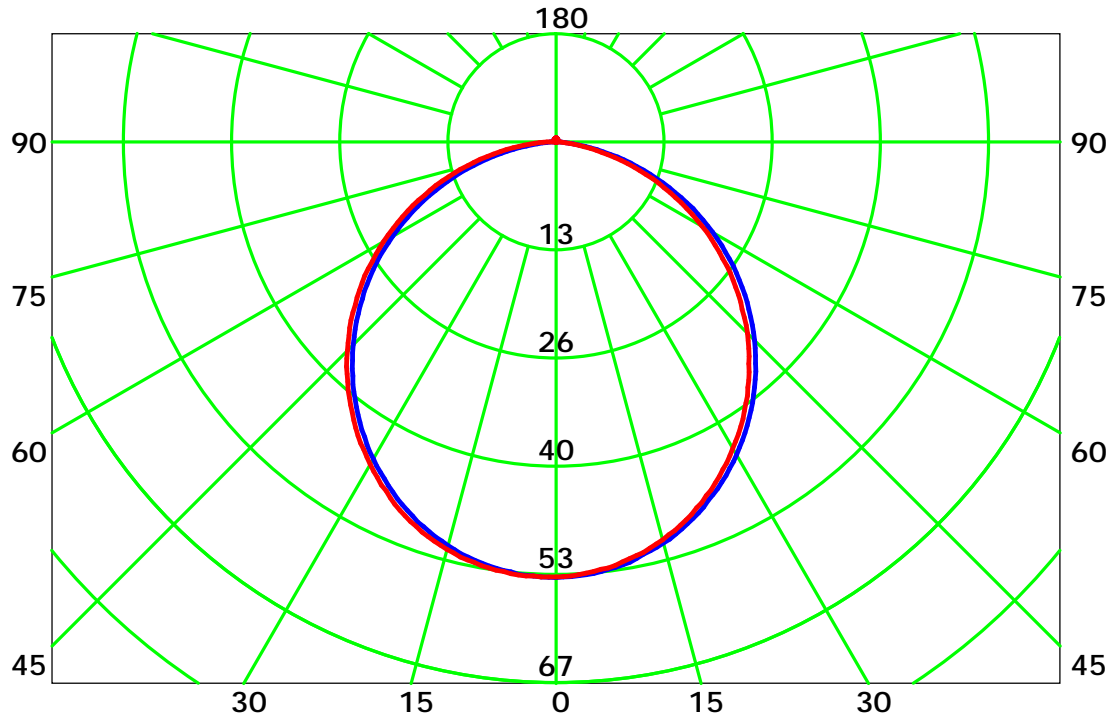
Distance: 9.028 m

Humidity: 60%

Inspector:



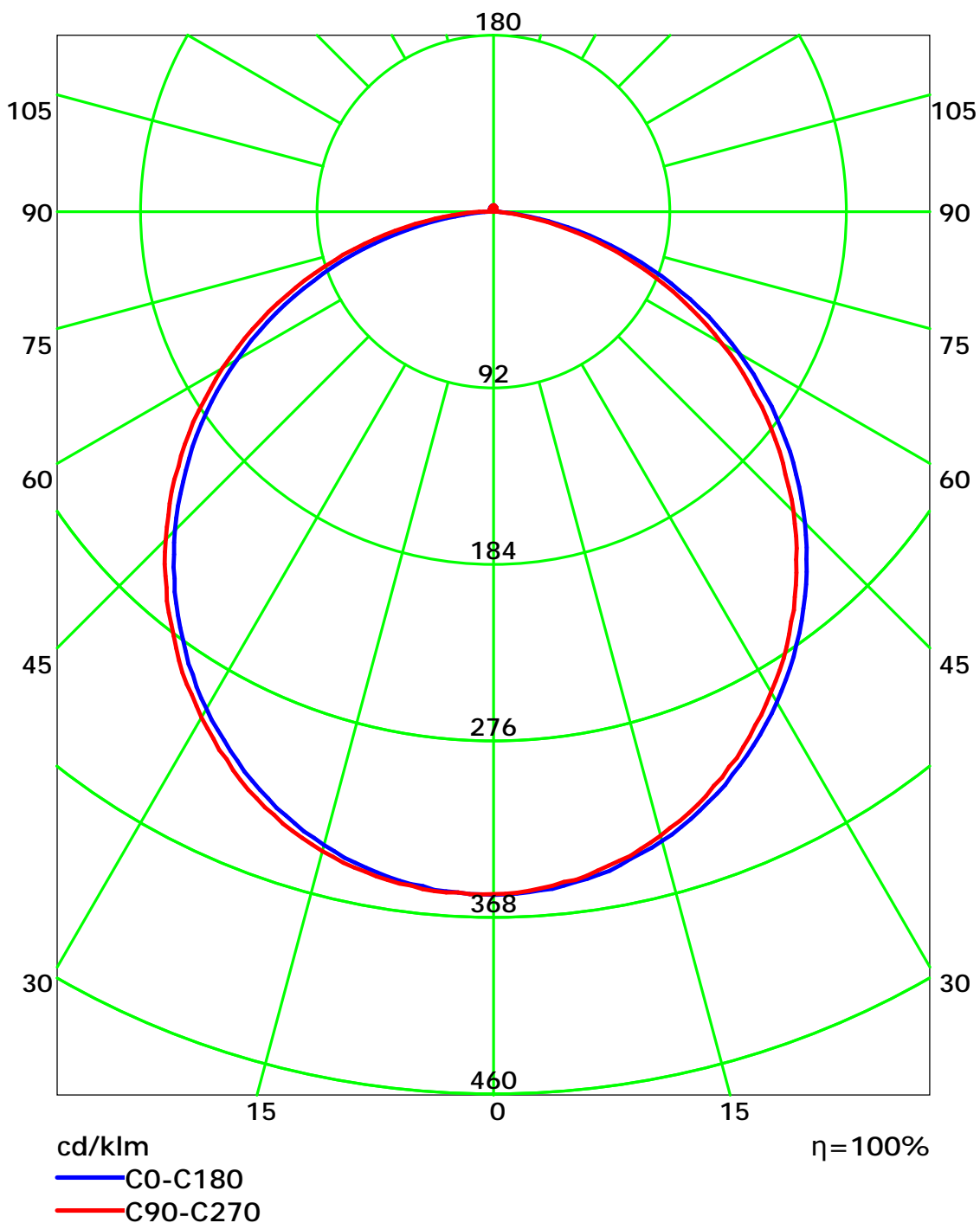
Luminous Intensity Distribution Curve



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:

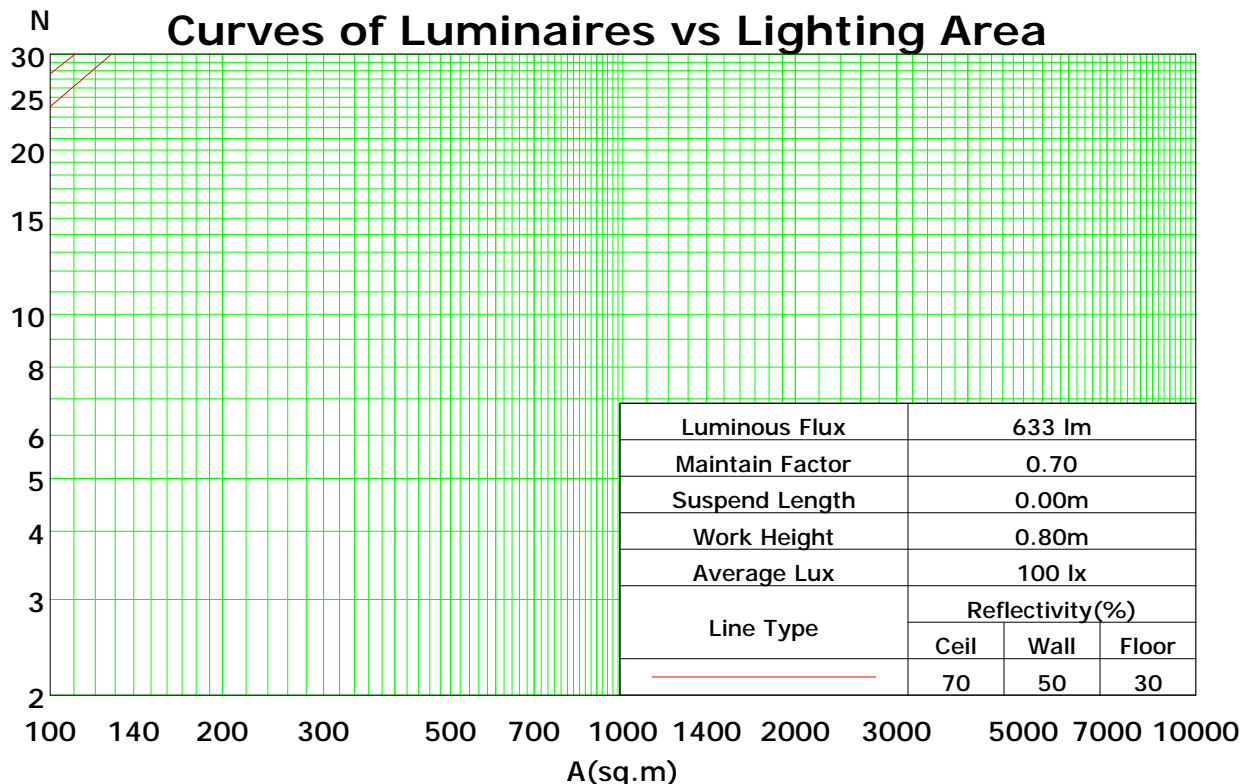
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69
3	90	80	72	65	88	78	70	64	75	68	63	72	66	62	69	65	61	58
4	83	71	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	43	37	63	51	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	57	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.24

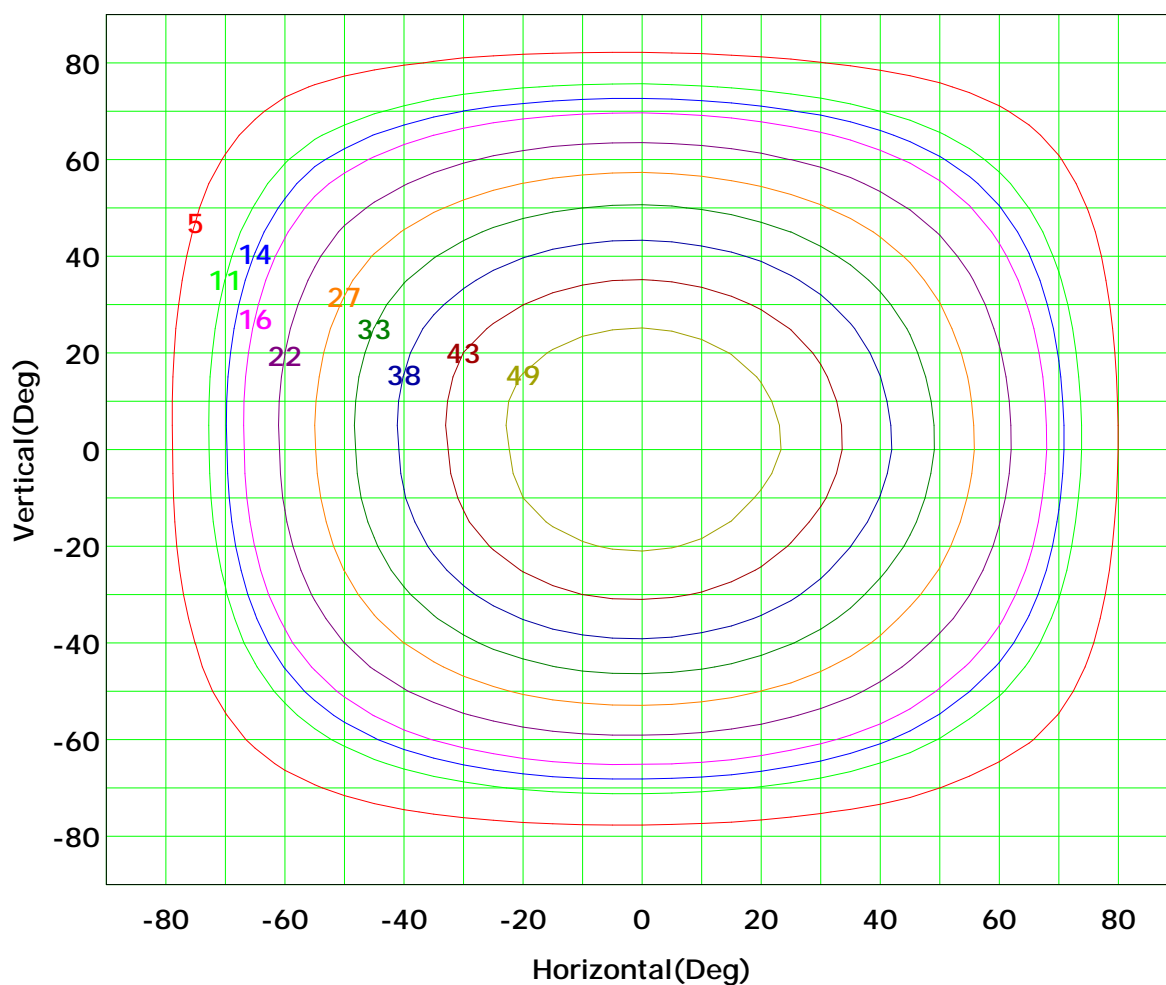
Spacing Criteria (Diagonal): 1.36



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)



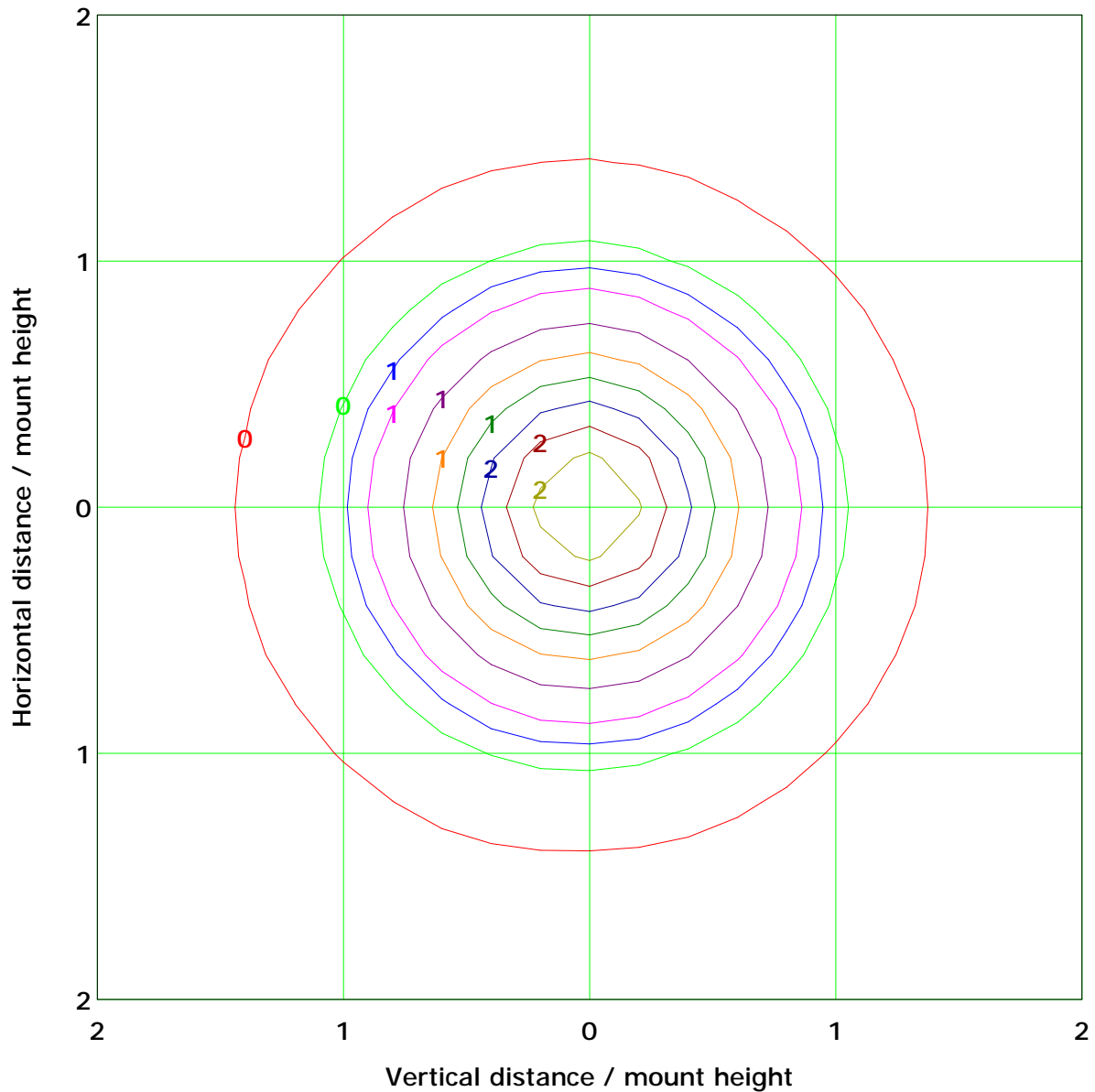
Imax (100%): 54 cd

(10%):	5 cd	(20%):	11 cd
(25%):	14 cd	(30%):	16 cd
(40%):	22 cd	(50%):	27 cd
(60%):	33 cd	(70%):	38 cd
(80%):	43 cd	(90%):	49 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%): 2.2 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.7 lx
(40%): 0.9 lx	(50%): 1.1 lx
(60%): 1.3 lx	(70%): 1.5 lx
(80%): 1.7 lx	(90%): 2.0 lx

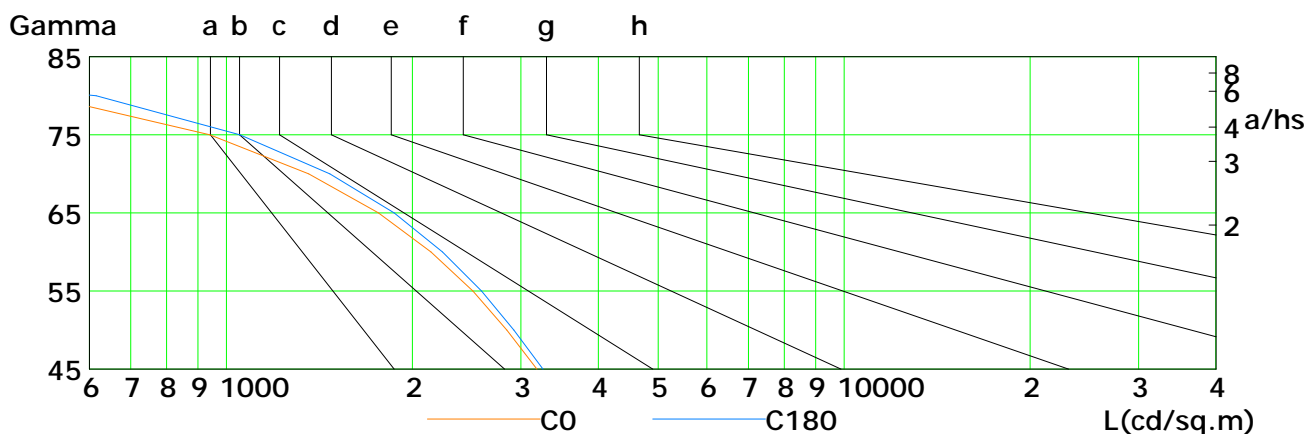
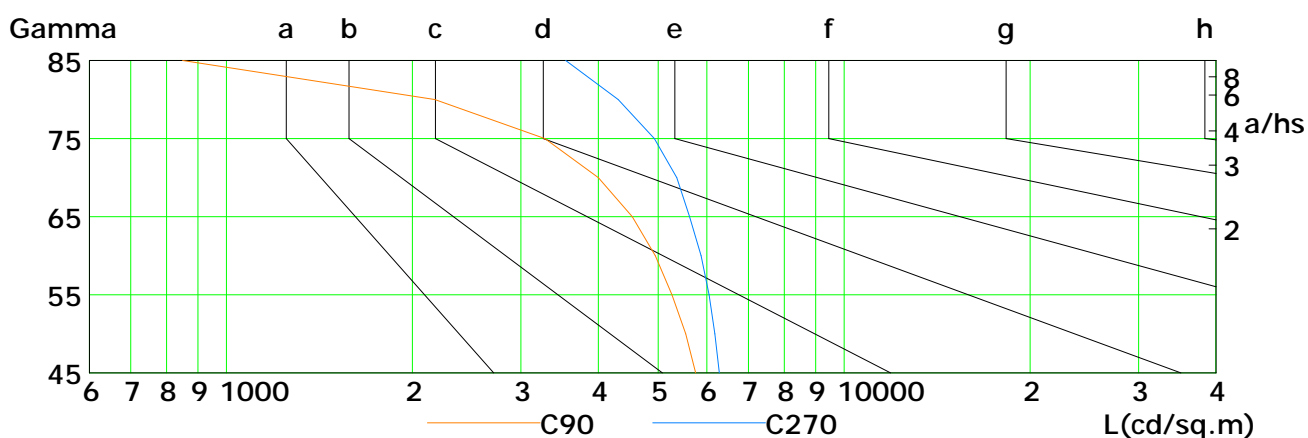
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

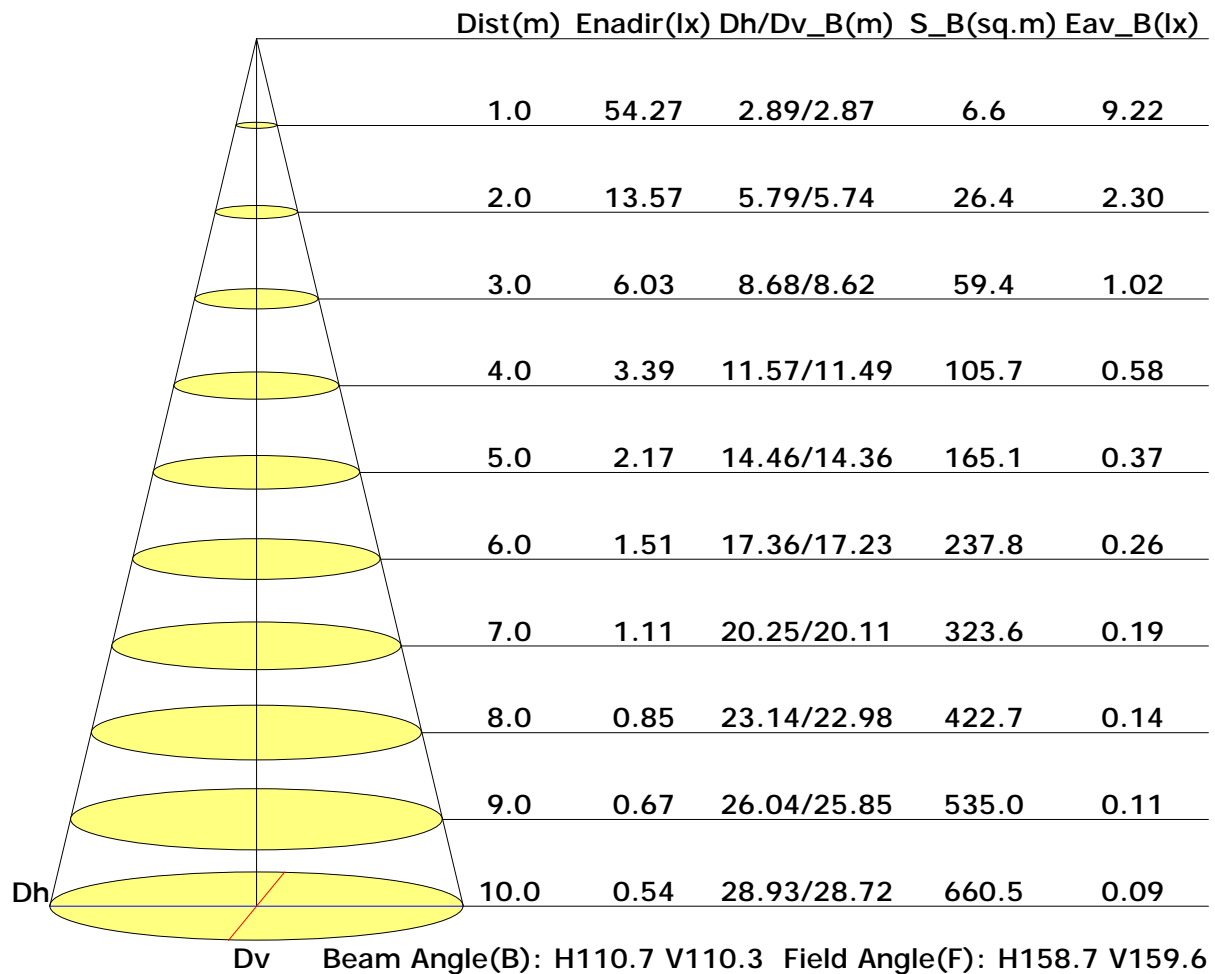


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3181	2846	2508	2143	1763	1359	940	504	133
C90	5753	5542	5265	4950	4540	4003	3280	2176	849
C180	3255	2922	2589	2239	1869	1470	1052	616	213
C270	6280	6176	6048	5871	5626	5359	4929	4310	3545

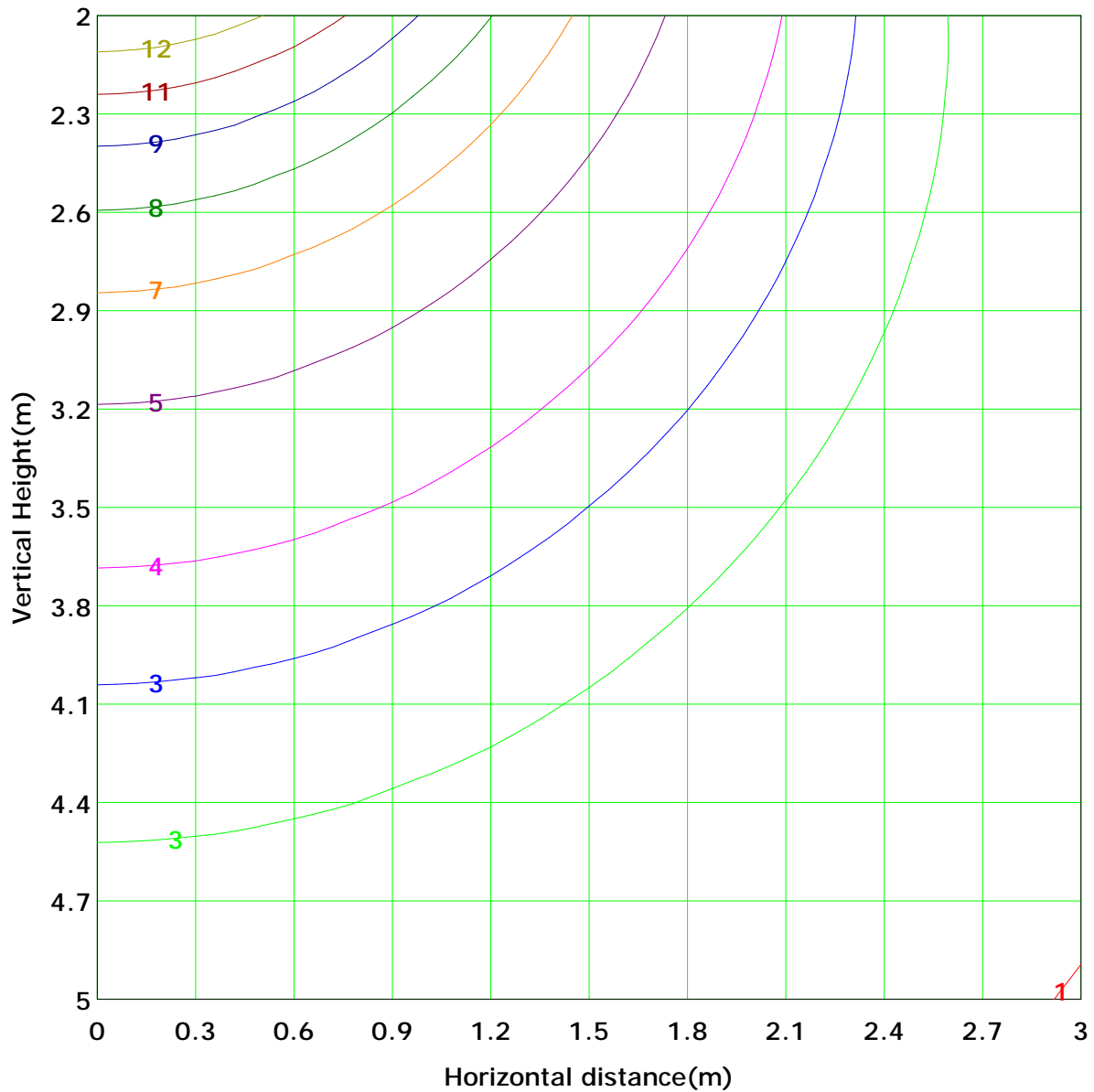
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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: 13.6 lx
(10%): 1.4 lx	(20%): 2.7 lx	
(25%): 3.4 lx	(30%): 4.1 lx	
(40%): 5.4 lx	(50%): 6.8 lx	
(60%): 8.1 lx	(70%): 9.5 lx	
(80%): 10.9 lx	(90%): 12.2 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

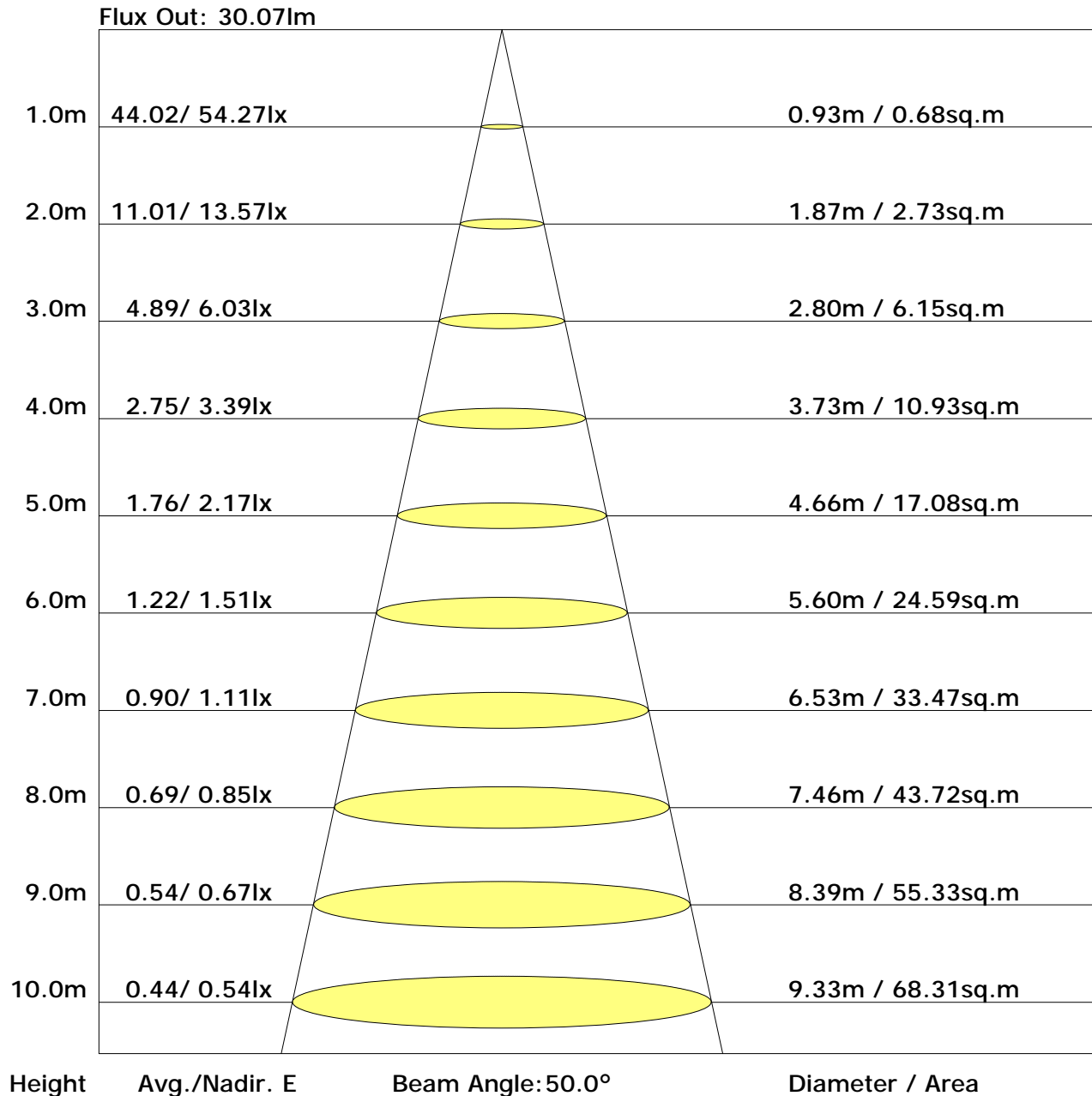
		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6
	-70	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	1.0	1.1	1.3	1.5	1.6	1.3	0.8	0.6	0.4	0.3	0.0	2.5	2.3
	-60	0.0	0.0	0.1	0.2	0.3	0.4	0.6	0.7	1.0	1.1	1.3	1.5	1.6	1.3	0.9	0.7	0.5	0.4	0.0	5.0	4.8
	-50	0.0	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.1	1.3	1.5	1.6	1.6	1.5	1.0	0.9	0.7	0.5	0.0	8.0	7.8
	-40	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.6	1.5	1.3	0.9	0.7	0.5	0.4	0.0	11.0	11.1
	-30	0.0	0.1	0.2	0.4	0.6	0.7	1.0	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.9	0.7	0.5	0.0	13.8	14.0
	-20	0.0	0.1	0.2	0.4	0.7	0.7	1.0	1.2	1.3	1.5	1.6	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.0	16.0	16.1
	-10	0.0	0.1	0.2	0.5	0.7	0.7	1.0	1.2	1.3	1.5	1.6	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.0	17.2	17.4
	0	0.0	0.1	0.2	0.5	0.8	0.8	1.1	1.3	1.5	1.6	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.7	0.0	17.3	17.4
	10	0.0	0.1	0.2	0.5	0.7	0.7	1.0	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.7	0.0	16.2	16.3
	20	0.0	0.1	0.2	0.5	0.7	0.7	1.0	1.2	1.3	1.5	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.7	0.0	14.0	14.2
	30	0.0	0.1	0.2	0.4	0.6	0.6	0.8	1.0	1.1	1.3	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.0	11.2	11.3
	40	0.0	0.1	0.2	0.4	0.6	0.6	0.8	1.0	1.1	1.3	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.0	8.0	8.2
	50	0.0	0.0	0.1	0.3	0.5	0.5	0.6	0.8	1.0	1.3	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.0	4.9	5.1
	60	0.0	0.0	0.1	0.2	0.3	0.3	0.5	0.6	0.7	1.0	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.5	2.3
	70	0.0	0.0	0.1	0.1	0.2	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	2.0	1.8
	80	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.8	1.3
	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	1.5	1.0
	Flux(T)	0.1	0.8	2.5	5.0	8.0	11.1	14.0	16.1	17.4	17.4	16.3	14.2	11.3	8.2	5.1	2.5	0.7	0.1	151		
Flux(E)	0.0	0.6	2.3	4.8	7.8	11.0	13.8	16.0	17.2	17.3	16.2	14.0	11.2	8.0	4.9	2.3	0.6	0.0		148		

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	23.4	25.0	23.8	25.4	25.7	21.2	22.8	21.6	23.2	23.5
3H	25.1	26.5	25.5	26.9	27.3	22.4	23.8	22.8	24.2	24.6
4H	25.6	27.0	26.1	27.4	27.8	22.7	24.1	23.1	24.4	24.8
6H	26.0	27.2	26.4	27.6	28.0	22.8	24.1	23.2	24.5	24.9
8H	26.0	27.2	26.5	27.6	28.1	22.8	24.0	23.2	24.4	24.8
12H	26.0	27.2	26.5	27.6	28.0	22.8	23.9	23.2	24.3	24.8
X=4H Y=2H	23.8	25.1	24.2	25.5	25.9	21.8	23.2	22.2	23.5	23.9
3H	25.6	26.8	26.0	27.2	27.6	23.1	24.3	23.6	24.7	25.1
4H	26.3	27.3	26.7	27.7	28.2	23.5	24.5	24.0	25.0	25.4
6H	26.7	27.6	27.1	28.0	28.5	23.7	24.6	24.1	25.0	25.5
8H	26.7	27.6	27.2	28.0	28.5	23.7	24.5	24.2	25.0	25.5
12H	26.8	27.5	27.3	28.0	28.5	23.7	24.4	24.2	24.9	25.4
X=8H Y=4H	26.4	27.2	26.8	27.7	28.2	23.7	24.5	24.2	25.0	25.5
6H	26.8	27.5	27.3	28.0	28.5	23.9	24.6	24.4	25.1	25.6
8H	26.9	27.5	27.4	28.1	28.6	23.9	24.5	24.4	25.1	25.6
12H	27.0	27.5	27.5	28.0	28.6	23.9	24.5	24.4	25.0	25.5
X=12H Y=4H	26.4	27.1	26.9	27.6	28.1	23.7	24.5	24.2	25.0	25.4
6H	26.8	27.4	27.4	27.9	28.5	23.9	24.5	24.4	25.0	25.6
8H	26.9	27.5	27.5	28.0	28.6	23.9	24.5	24.5	25.0	25.6

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	0.57	0.67	0.75	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.49	0.59	0.67	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.43	0.54	0.61	0.67	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.48	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.63	0.70	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	0.90	0.93
	0.20		0.42	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.69	0.74	0.78	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	0.99	0.82	0.69	0.60	0.48	0.40	0.34	0.26	0.21
	0.30		0.83	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.50	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.41	0.32	0.25	0.20
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.22	0.19
0.30	0.50	0.20	0.92	0.75	0.64	0.55	0.44	0.36	0.31	0.24	0.19
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.27	0.22	0.18
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.21	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		0.06	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	0.21	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: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	54.2	0.1	0.1	0.03	0.03
1.0-2.0	54.2	0.2	0.2	0.10	0.14
2.0-3.0	54.2	0.3	0.5	0.17	0.31
3.0-4.0	54.1	0.4	0.8	0.24	0.54
4.0-5.0	54.0	0.5	1.3	0.31	0.85
5.0-6.0	53.9	0.6	1.9	0.37	1.22
6.0-7.0	53.8	0.7	2.5	0.44	1.66
7.0-8.0	53.6	0.8	3.3	0.50	2.16
8.0-9.0	53.5	0.9	4.2	0.57	2.73
9.0-10.0	53.3	1.0	5.1	0.63	3.37
10.0-11.0	53.1	1.1	6.2	0.70	4.06
11.0-12.0	52.9	1.2	7.3	0.76	4.82
12.0-13.0	52.6	1.2	8.6	0.82	5.64
13.0-14.0	52.4	1.3	9.9	0.88	6.52
14.0-15.0	52.1	1.4	11.4	0.94	7.46
15.0-16.0	51.8	1.5	12.9	1.00	8.46
16.0-17.0	51.5	1.6	14.5	1.05	9.51
17.0-18.0	51.1	1.7	16.2	1.11	10.62
18.0-19.0	50.8	1.8	17.9	1.16	11.78
19.0-20.0	50.4	1.8	19.8	1.21	12.99
20.0-21.0	50.0	1.9	21.7	1.26	14.25
21.0-22.0	49.6	2.0	23.7	1.31	15.56
22.0-23.0	49.1	2.1	25.8	1.35	16.91
23.0-24.0	48.7	2.1	27.9	1.40	18.31
24.0-25.0	48.2	2.2	30.1	1.44	19.75
25.0-26.0	47.7	2.3	32.3	1.48	21.23
26.0-27.0	47.2	2.3	34.6	1.52	22.75
27.0-28.0	46.7	2.4	37.0	1.55	24.30
28.0-29.0	46.2	2.4	39.4	1.59	25.89
29.0-30.0	45.6	2.5	41.9	1.62	27.51
30.0-31.0	45.1	2.5	44.4	1.65	29.16
31.0-32.0	44.5	2.5	46.9	1.67	30.83
32.0-33.0	43.9	2.6	49.5	1.70	32.53
33.0-34.0	43.3	2.6	52.1	1.72	34.25
34.0-35.0	42.7	2.6	54.8	1.74	35.99
35.0-36.0	42.0	2.7	57.5	1.76	37.75

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	41.4	2.7	60.2	1.77	39.52
37.0-38.0	40.7	2.7	62.9	1.79	41.30
38.0-39.0	40.0	2.7	65.6	1.80	43.10
39.0-40.0	39.4	2.7	68.4	1.80	44.90
40.0-41.0	38.6	2.8	71.1	1.81	46.71
41.0-42.0	37.9	2.8	73.9	1.81	48.52
42.0-43.0	37.2	2.8	76.6	1.81	50.33
43.0-44.0	36.5	2.8	79.4	1.81	52.14
44.0-45.0	35.8	2.7	82.1	1.80	53.95
45.0-46.0	35.0	2.7	84.9	1.80	55.74
46.0-47.0	34.2	2.7	87.6	1.79	57.53
47.0-48.0	33.4	2.7	90.3	1.78	59.31
48.0-49.0	32.7	2.7	93.0	1.76	61.07
49.0-50.0	31.9	2.7	95.6	1.75	62.82
50.0-51.0	31.1	2.6	98.3	1.73	64.54
51.0-52.0	30.3	2.6	100.9	1.71	66.25
52.0-53.0	29.4	2.6	103.4	1.68	67.93
53.0-54.0	28.6	2.5	106.0	1.66	69.59
54.0-55.0	27.8	2.5	108.4	1.63	71.22
55.0-56.0	26.9	2.4	110.9	1.60	72.82
56.0-57.0	26.1	2.4	113.3	1.57	74.38
57.0-58.0	25.2	2.3	115.6	1.53	75.91
58.0-59.0	24.3	2.3	117.9	1.49	77.41
59.0-60.0	23.5	2.2	120.1	1.46	78.86
60.0-61.0	22.6	2.2	122.2	1.41	80.28
61.0-62.0	21.7	2.1	124.3	1.37	81.65
62.0-63.0	20.8	2.0	126.3	1.33	82.98
63.0-64.0	19.9	1.9	128.3	1.28	84.26
64.0-65.0	19.0	1.9	130.2	1.23	85.49
65.0-66.0	18.1	1.8	132.0	1.18	86.67
66.0-67.0	17.1	1.7	133.7	1.13	87.81
67.0-68.0	16.2	1.6	135.3	1.08	88.89
68.0-69.0	15.3	1.6	136.9	1.03	89.91
69.0-70.0	14.4	1.5	138.4	0.97	90.88
70.0-71.0	13.5	1.4	139.8	0.92	91.80
71.0-72.0	12.6	1.3	141.1	0.86	92.66

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	11.7	1.2	142.3	0.80	93.46
73.0-74.0	10.7	1.1	143.4	0.74	94.20
74.0-75.0	9.8	1.0	144.5	0.68	94.88
75.0-76.0	8.9	0.9	145.4	0.62	95.51
76.0-77.0	8.1	0.9	146.3	0.56	96.07
77.0-78.0	7.2	0.8	147.0	0.51	96.58
78.0-79.0	6.4	0.7	147.7	0.45	97.03
79.0-80.0	5.6	0.6	148.3	0.39	97.42
80.0-81.0	4.8	0.5	148.8	0.34	97.76
81.0-82.0	4.0	0.4	149.3	0.29	98.05
82.0-83.0	3.3	0.4	149.6	0.24	98.28
83.0-84.0	2.7	0.3	149.9	0.19	98.48
84.0-85.0	2.1	0.2	150.2	0.15	98.62
85.0-86.0	1.5	0.2	150.3	0.11	98.74
86.0-87.0	1.1	0.1	150.5	0.08	98.82
87.0-88.0	0.8	0.1	150.5	0.06	98.87
88.0-89.0	0.5	0.1	150.6	0.04	98.91
89.0-90.0	0.3	0.0	150.6	0.02	98.94
90.0-91.0	0.2	0.0	150.7	0.02	98.95
91.0-92.0	0.2	0.0	150.7	0.01	98.97
92.0-93.0	0.2	0.0	150.7	0.01	98.98
93.0-94.0	0.1	0.0	150.7	0.01	98.99
94.0-95.0	0.1	0.0	150.7	0.01	98.99
95.0-96.0	0.1	0.0	150.7	0.01	99.00
96.0-97.0	0.1	0.0	150.7	0.01	99.01
97.0-98.0	0.1	0.0	150.8	0.01	99.02
98.0-99.0	0.1	0.0	150.8	0.01	99.02
99.0-100.0	0.1	0.0	150.8	0.01	99.03
100.0-101.0	0.1	0.0	150.8	0.01	99.04
101.0-102.0	0.1	0.0	150.8	0.01	99.05
102.0-103.0	0.1	0.0	150.8	0.01	99.06
103.0-104.0	0.1	0.0	150.8	0.01	99.07
104.0-105.0	0.1	0.0	150.9	0.01	99.08
105.0-106.0	0.2	0.0	150.9	0.01	99.09
106.0-107.0	0.2	0.0	150.9	0.01	99.10
107.0-108.0	0.2	0.0	150.9	0.01	99.12

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	150.9	0.01	99.13
109.0-110.0	0.2	0.0	150.9	0.01	99.14
110.0-111.0	0.2	0.0	151.0	0.01	99.15
111.0-112.0	0.2	0.0	151.0	0.01	99.17
112.0-113.0	0.2	0.0	151.0	0.01	99.18
113.0-114.0	0.2	0.0	151.0	0.01	99.19
114.0-115.0	0.2	0.0	151.0	0.01	99.21
115.0-116.0	0.2	0.0	151.1	0.01	99.22
116.0-117.0	0.2	0.0	151.1	0.01	99.23
117.0-118.0	0.2	0.0	151.1	0.01	99.25
118.0-119.0	0.3	0.0	151.1	0.02	99.26
119.0-120.0	0.2	0.0	151.2	0.02	99.28
120.0-121.0	0.2	0.0	151.2	0.02	99.30
121.0-122.0	0.2	0.0	151.2	0.02	99.31
122.0-123.0	0.3	0.0	151.2	0.02	99.33
123.0-124.0	0.3	0.0	151.3	0.02	99.34
124.0-125.0	0.3	0.0	151.3	0.02	99.36
125.0-126.0	0.3	0.0	151.3	0.02	99.37
126.0-127.0	0.3	0.0	151.3	0.02	99.39
127.0-128.0	0.3	0.0	151.3	0.02	99.41
128.0-129.0	0.3	0.0	151.4	0.02	99.42
129.0-130.0	0.3	0.0	151.4	0.02	99.44
130.0-131.0	0.3	0.0	151.4	0.02	99.46
131.0-132.0	0.3	0.0	151.5	0.02	99.47
132.0-133.0	0.3	0.0	151.5	0.02	99.49
133.0-134.0	0.3	0.0	151.5	0.02	99.51
134.0-135.0	0.3	0.0	151.5	0.02	99.52
135.0-136.0	0.3	0.0	151.6	0.02	99.54
136.0-137.0	0.3	0.0	151.6	0.02	99.56
137.0-138.0	0.3	0.0	151.6	0.02	99.57
138.0-139.0	0.3	0.0	151.6	0.02	99.59
139.0-140.0	0.3	0.0	151.7	0.02	99.60
140.0-141.0	0.3	0.0	151.7	0.02	99.62
141.0-142.0	0.4	0.0	151.7	0.02	99.64
142.0-143.0	0.4	0.0	151.7	0.02	99.65
143.0-144.0	0.4	0.0	151.7	0.02	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	0.4	0.0	151.8	0.02	99.68
145.0-146.0	0.4	0.0	151.8	0.02	99.70
146.0-147.0	0.4	0.0	151.8	0.02	99.71
147.0-148.0	0.4	0.0	151.8	0.02	99.73
148.0-149.0	0.4	0.0	151.9	0.01	99.74
149.0-150.0	0.4	0.0	151.9	0.01	99.76
150.0-151.0	0.4	0.0	151.9	0.01	99.77
151.0-152.0	0.4	0.0	151.9	0.01	99.79
152.0-153.0	0.4	0.0	152.0	0.01	99.80
153.0-154.0	0.4	0.0	152.0	0.01	99.82
154.0-155.0	0.4	0.0	152.0	0.01	99.83
155.0-156.0	0.4	0.0	152.0	0.01	99.84
156.0-157.0	0.4	0.0	152.0	0.01	99.85
157.0-158.0	0.4	0.0	152.0	0.01	99.86
158.0-159.0	0.4	0.0	152.1	0.01	99.88
159.0-160.0	0.4	0.0	152.1	0.01	99.89
160.0-161.0	0.4	0.0	152.1	0.01	99.90
161.0-162.0	0.4	0.0	152.1	0.01	99.91
162.0-163.0	0.4	0.0	152.1	0.01	99.92
163.0-164.0	0.4	0.0	152.1	0.01	99.93
164.0-165.0	0.5	0.0	152.2	0.01	99.93
165.0-166.0	0.5	0.0	152.2	0.01	99.94
166.0-167.0	0.5	0.0	152.2	0.01	99.95
167.0-168.0	0.5	0.0	152.2	0.01	99.96
168.0-169.0	0.5	0.0	152.2	0.01	99.96
169.0-170.0	0.5	0.0	152.2	0.01	99.97
170.0-171.0	0.5	0.0	152.2	0.01	99.98
171.0-172.0	0.5	0.0	152.2	0.01	99.98
172.0-173.0	0.5	0.0	152.2	0.00	99.99
173.0-174.0	0.5	0.0	152.2	0.00	99.99
174.0-175.0	0.5	0.0	152.2	0.00	99.99
175.0-176.0	0.5	0.0	152.2	0.00	100.00
176.0-177.0	0.5	0.0	152.2	0.00	100.00
177.0-178.0	0.5	0.0	152.3	0.00	100.00
178.0-179.0	0.5	0.0	152.3	0.00	100.00
179.0-180.0	0.5	0.0	152.3	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: