

Report No.:

Test Time: 2020/11/16 16:46

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Silhouette 3.0

Luminaire Description: RB90SWS2203.035-8N

Lamp Catalog: 8N-35

Number of Lamps: 160

Luminous Width (mm): 6

Voltage: 24.0 V

Power: 4.67 W

Lamp Description: 2835 3500K

Luminous Length (mm): 500

Luminous Height (mm): 12

Current: 0.195 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 92.7 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H158.4,H108.8

Vertical Diffuse Angle(10%,50%): V155,V107.5

Luminaire Efficacy Rating (LER): 20

Max. Intensity: 34.12 cd

Total Rated Lamp Lumens: 92.7 lm

Efficiency: 100%

Upward Ratio: 1%

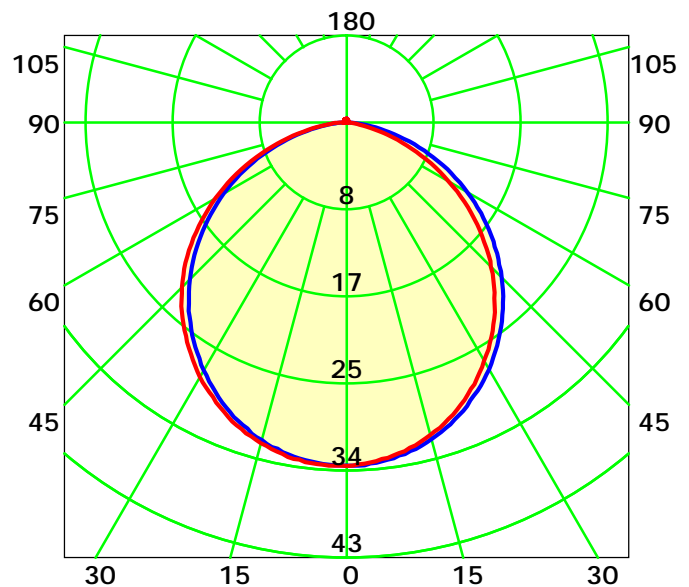
Central Intensity: 34.06 cd

Pos of Max. Intensity: H210 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 108.1° 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

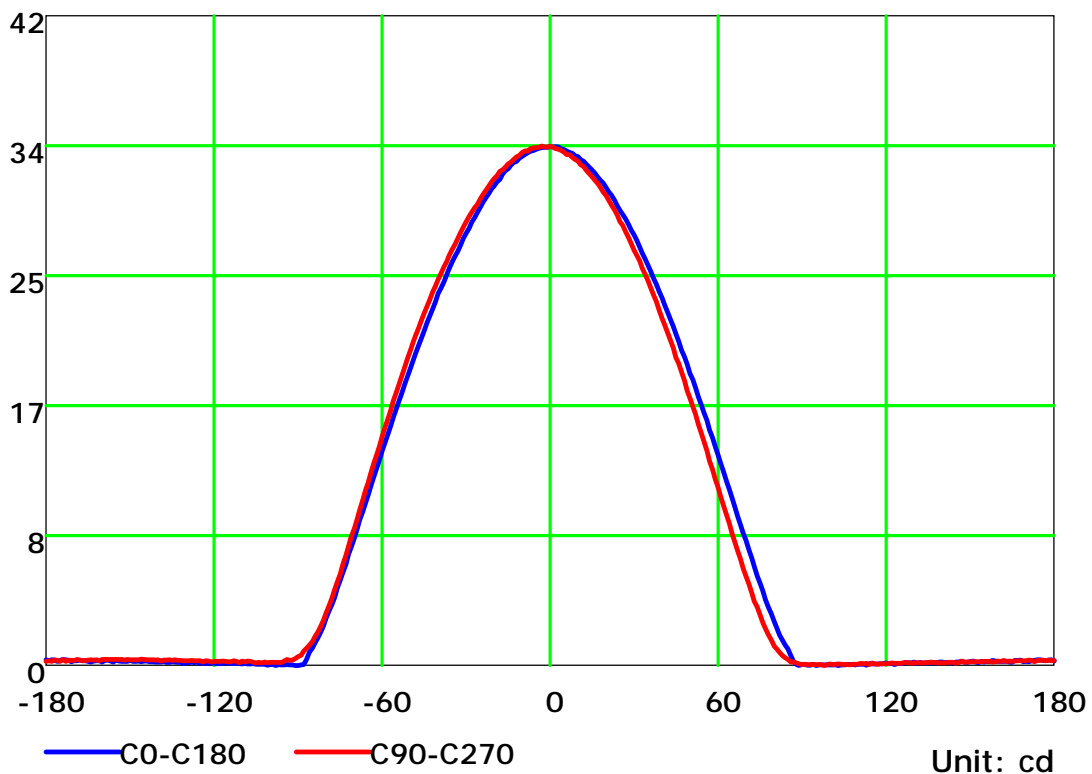
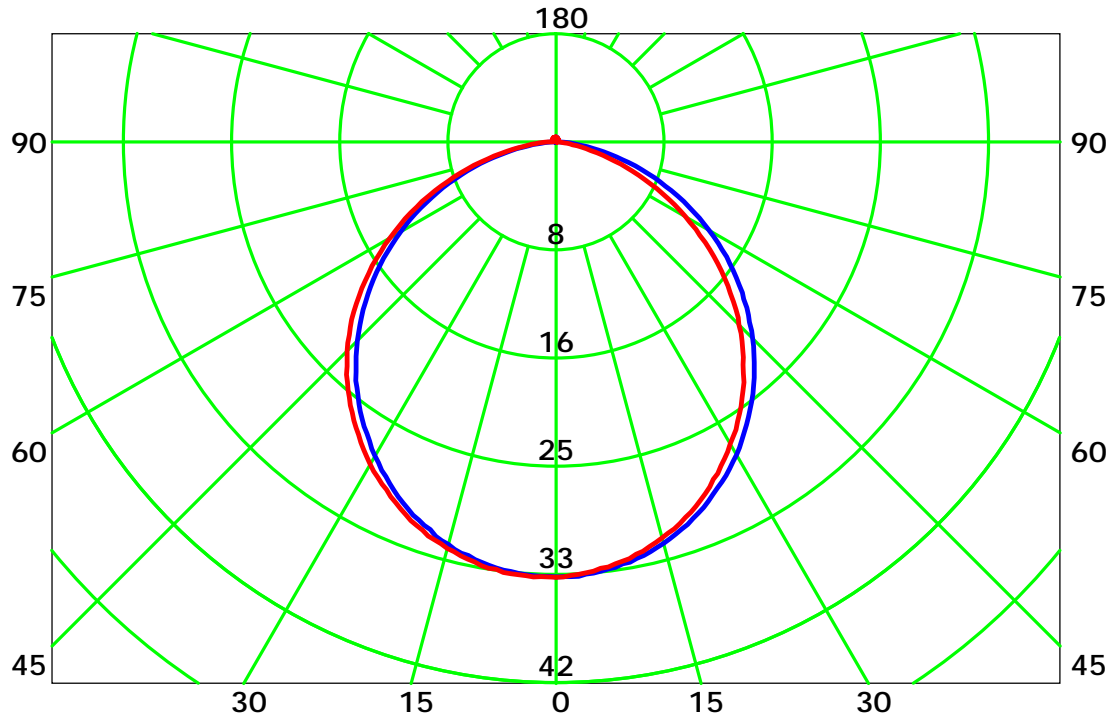
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

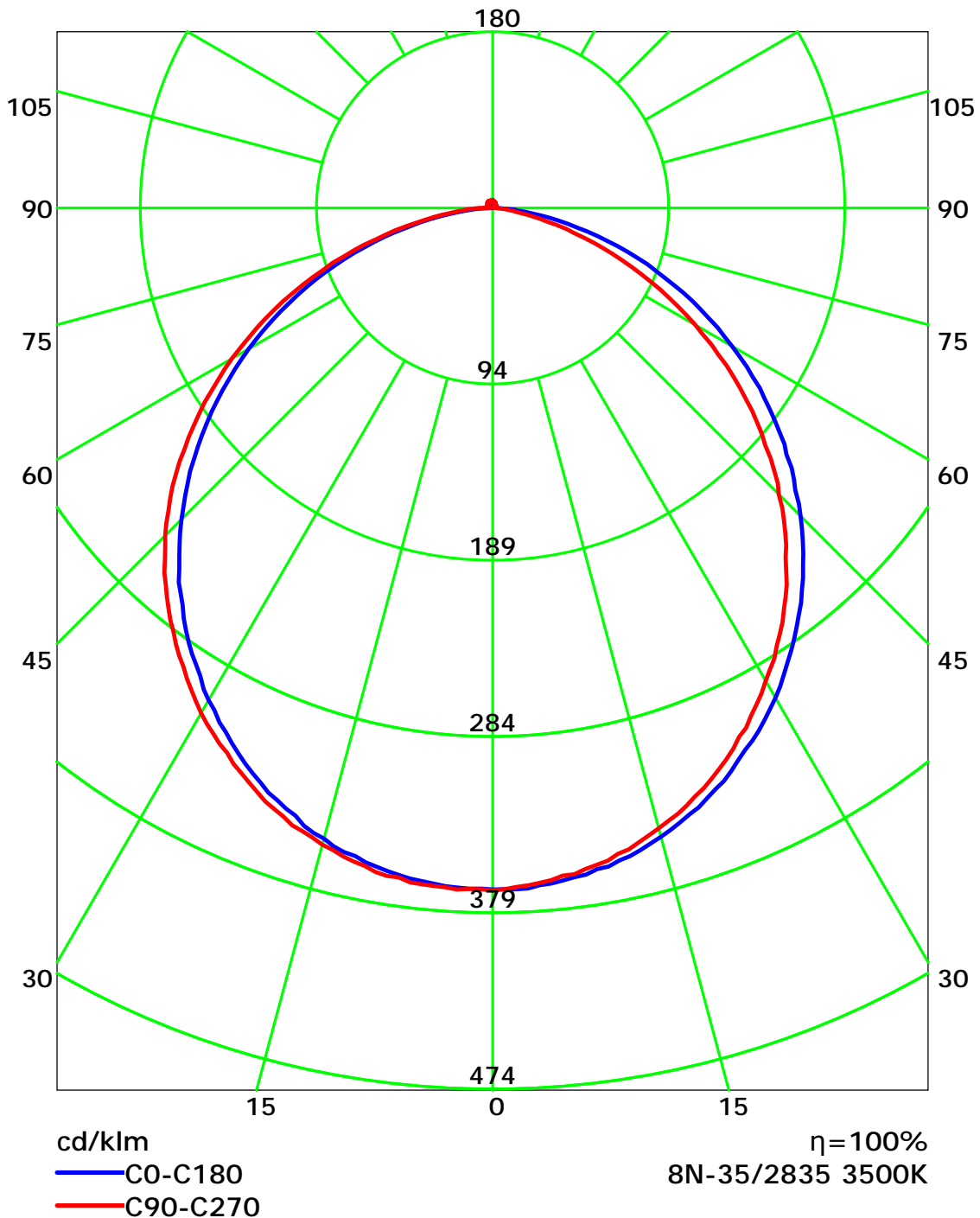
Luminous Intensity Distribution Curve



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:

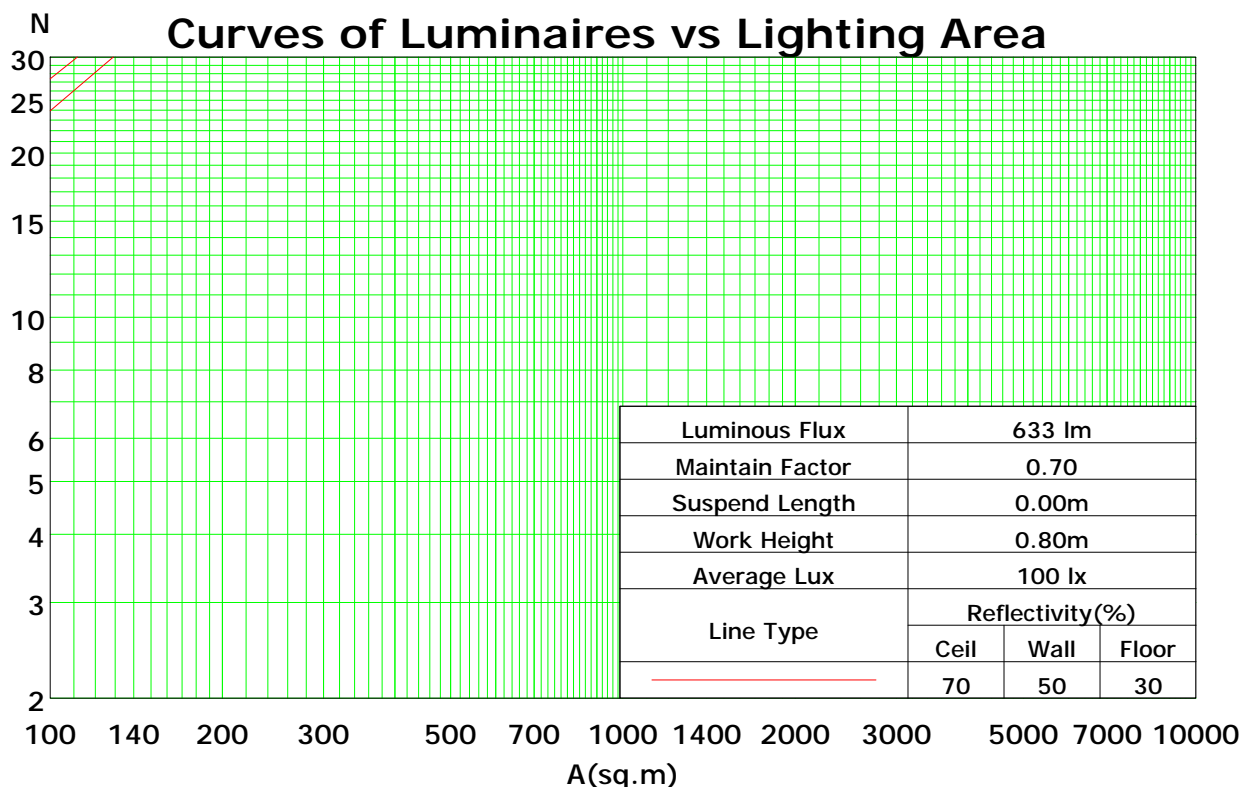
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	101	101	101	99
1	109	104	100	97	106	102	98	95	97	94	92	93	91	89	89	88	86	83
2	99	91	85	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	62	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	49	42	69	56	48	42	54	47	42	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	36	30	55	43	35	30	42	35	30	41	34	29	39	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.23

Spacing Criteria (Diagonal): 1.35



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

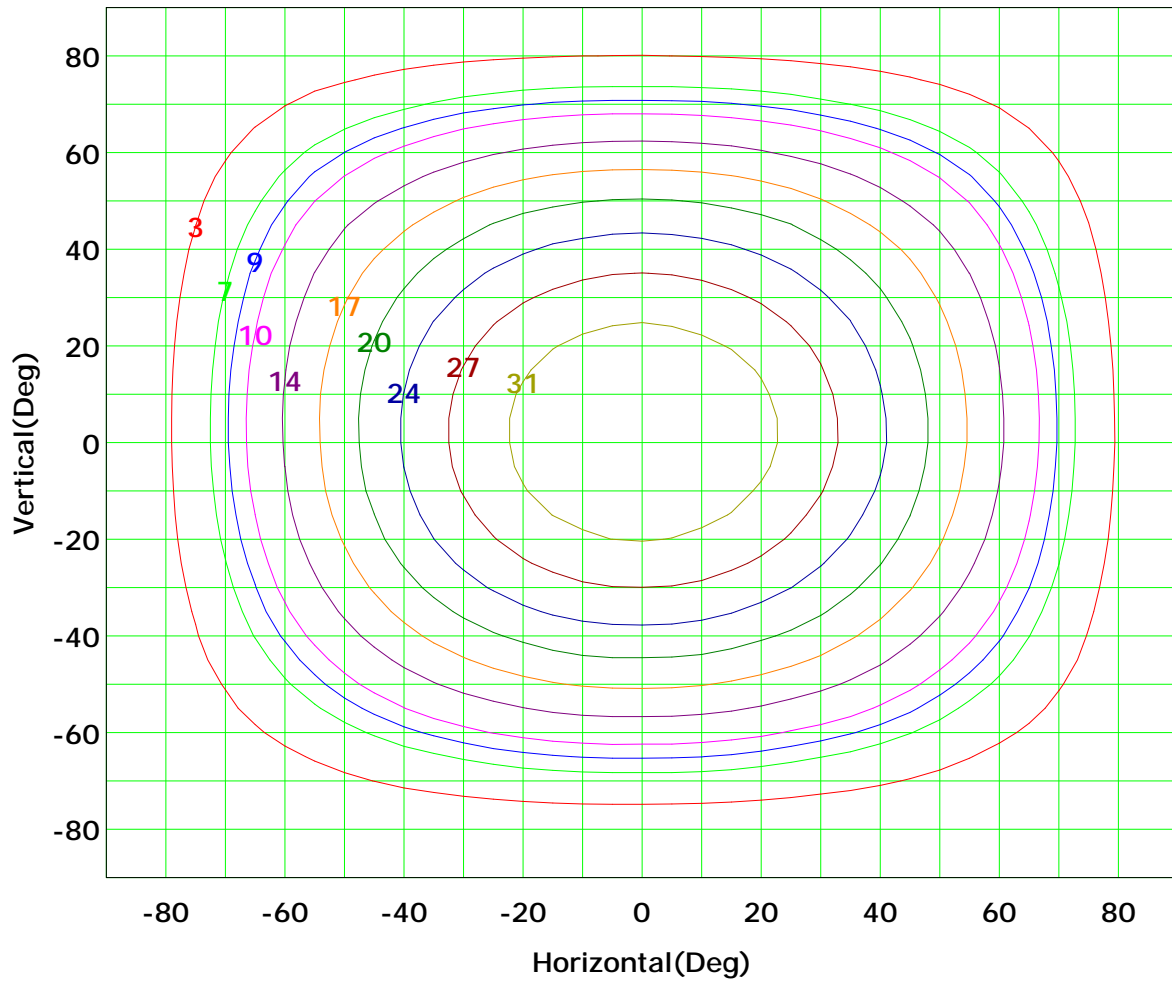
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



Imax (100%): 34 cd

(10%):	3 cd	(20%):	7 cd
(25%):	9 cd	(30%):	10 cd
(40%):	14 cd	(50%):	17 cd
(60%):	20 cd	(70%):	24 cd
(80%):	27 cd	(90%):	31 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

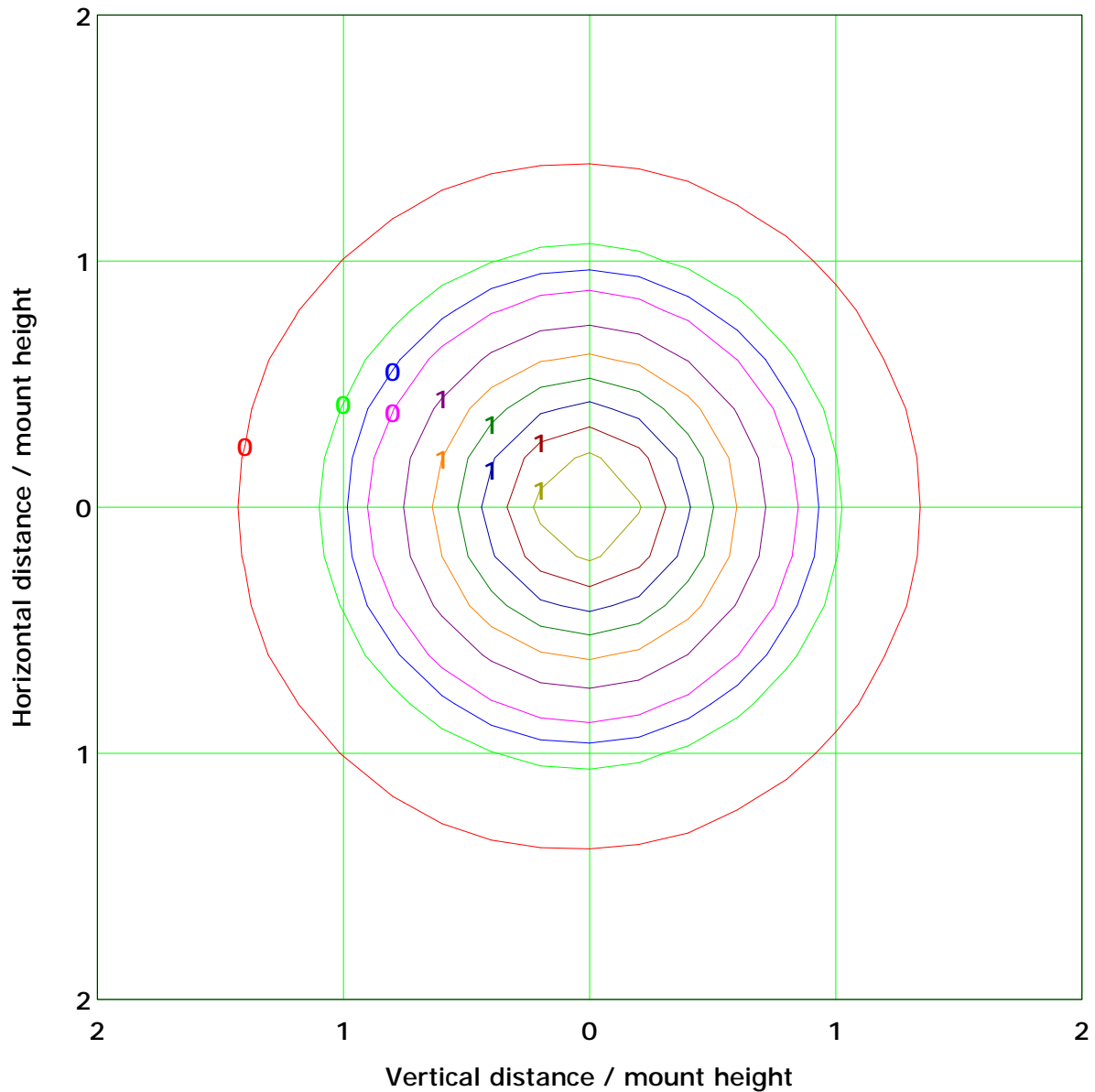
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 1.4 lx

(10%): 0.1 lx	(20%): 0.3 lx
(25%): 0.3 lx	(30%): 0.4 lx
(40%): 0.5 lx	(50%): 0.7 lx
(60%): 0.8 lx	(70%): 1.0 lx
(80%): 1.1 lx	(90%): 1.2 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

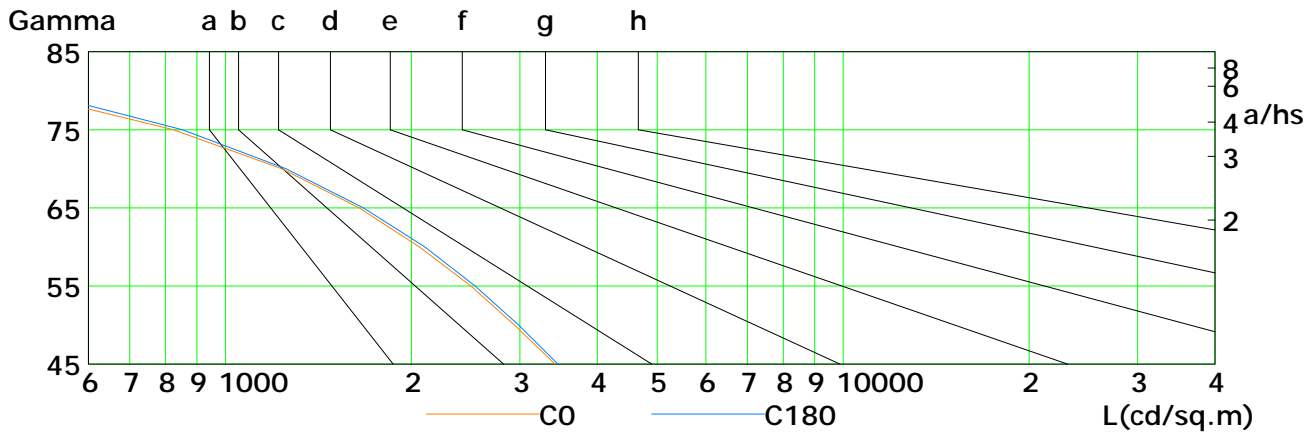
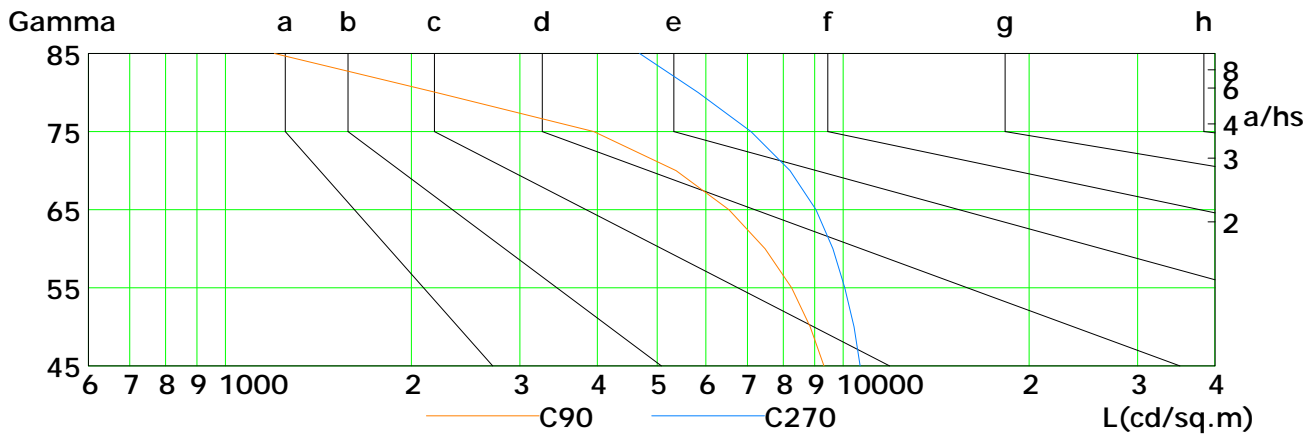
Humidity: 60%

Inspector:

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	3421	2938	2499	2062	1646	1235	825	454	178
C90	9313	8853	8254	7482	6534	5367	3948	2196	1201
C180	3457	2986	2538	2103	1673	1254	852	487	184
C270	10662	10421	10063	9627	9039	8211	7092	5829	4682

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

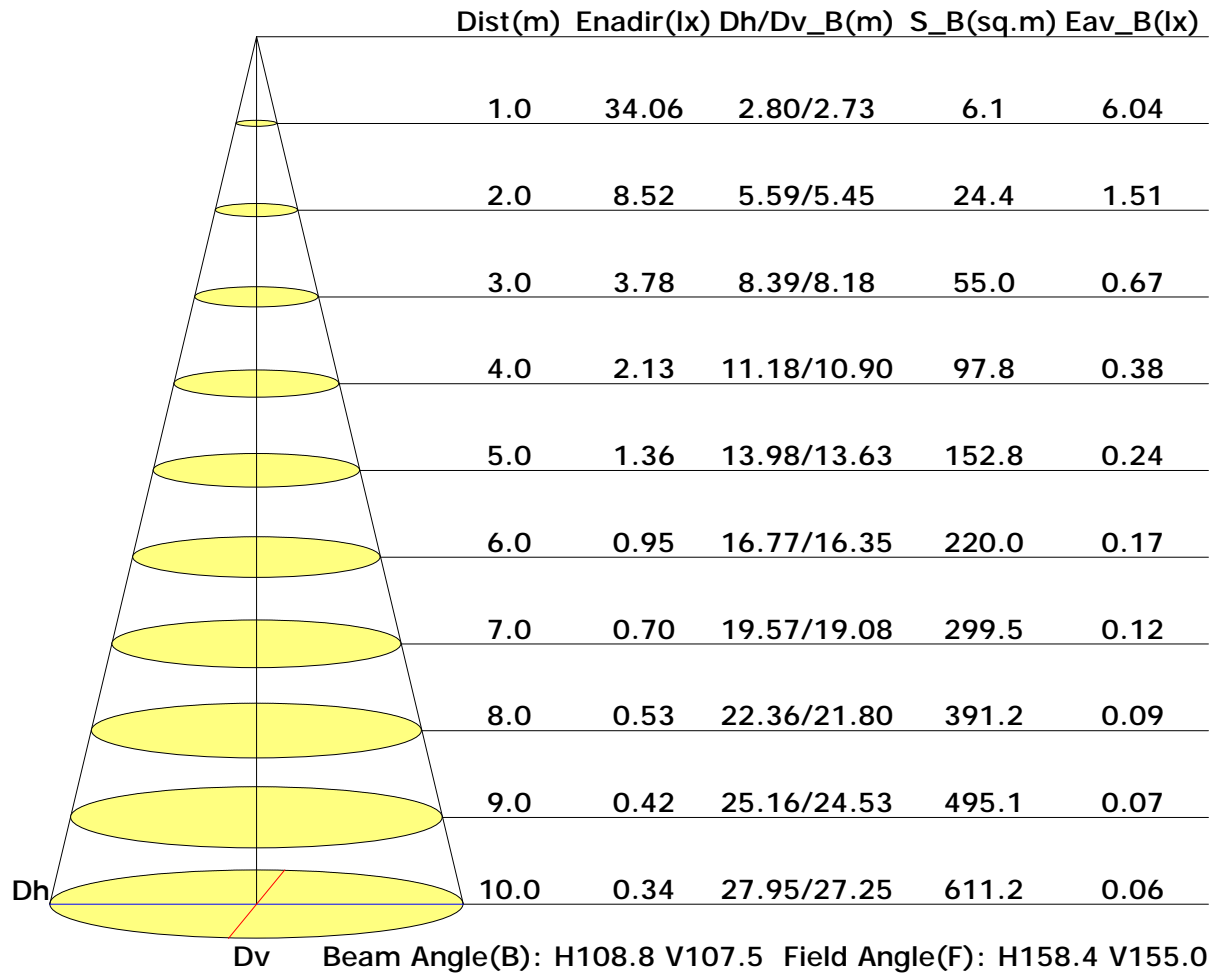
Test Device: GPM-1800B

Distance: 9.028 m

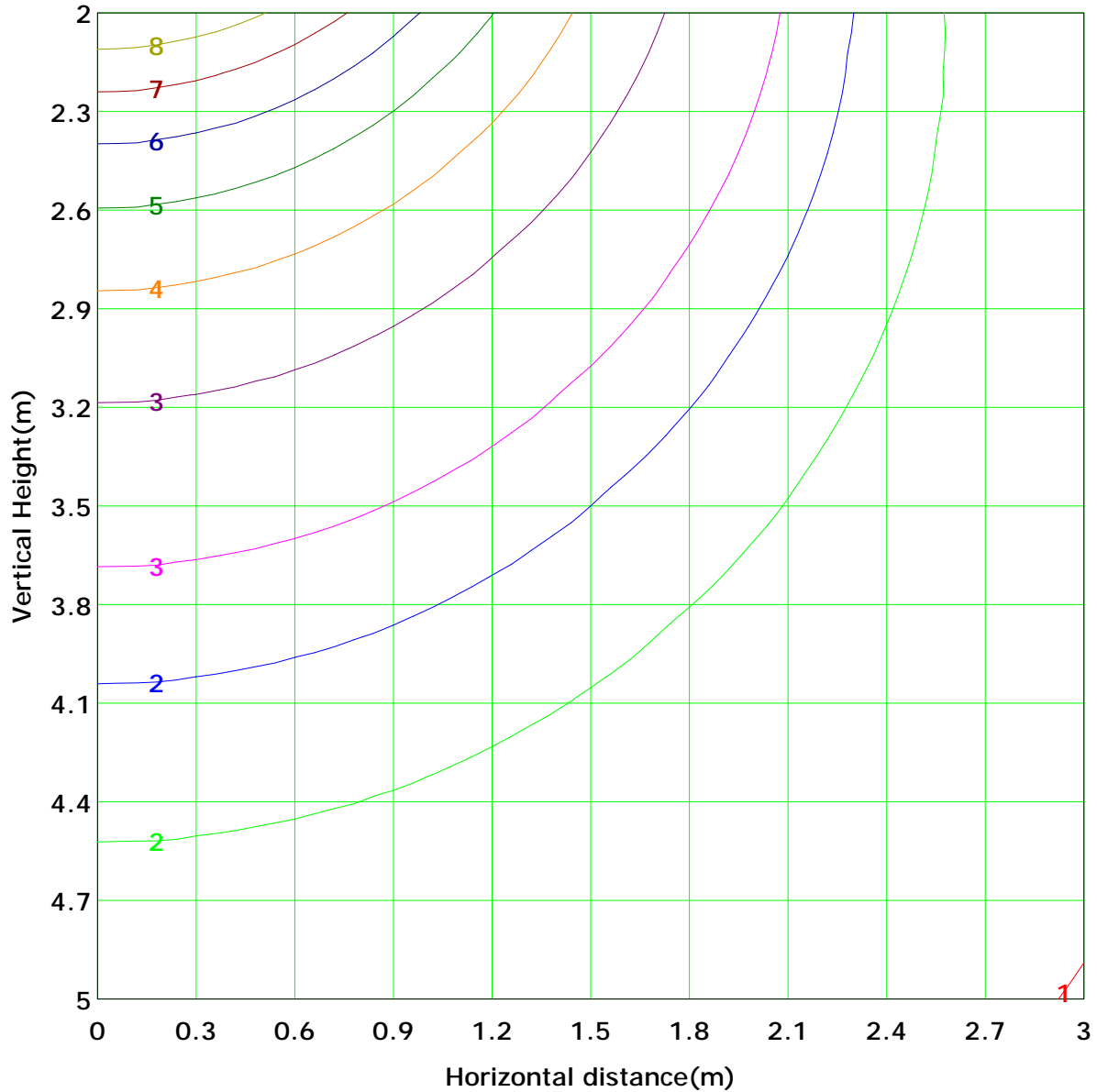
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 8.5 lx
(10%): 0.9 lx	(20%): 1.7 lx	(30%): 2.6 lx
(25%): 2.1 lx	(40%): 3.4 lx	(50%): 4.3 lx
(60%): 5.1 lx	(70%): 6.0 lx	(90%): 7.7 lx
(80%): 6.8 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

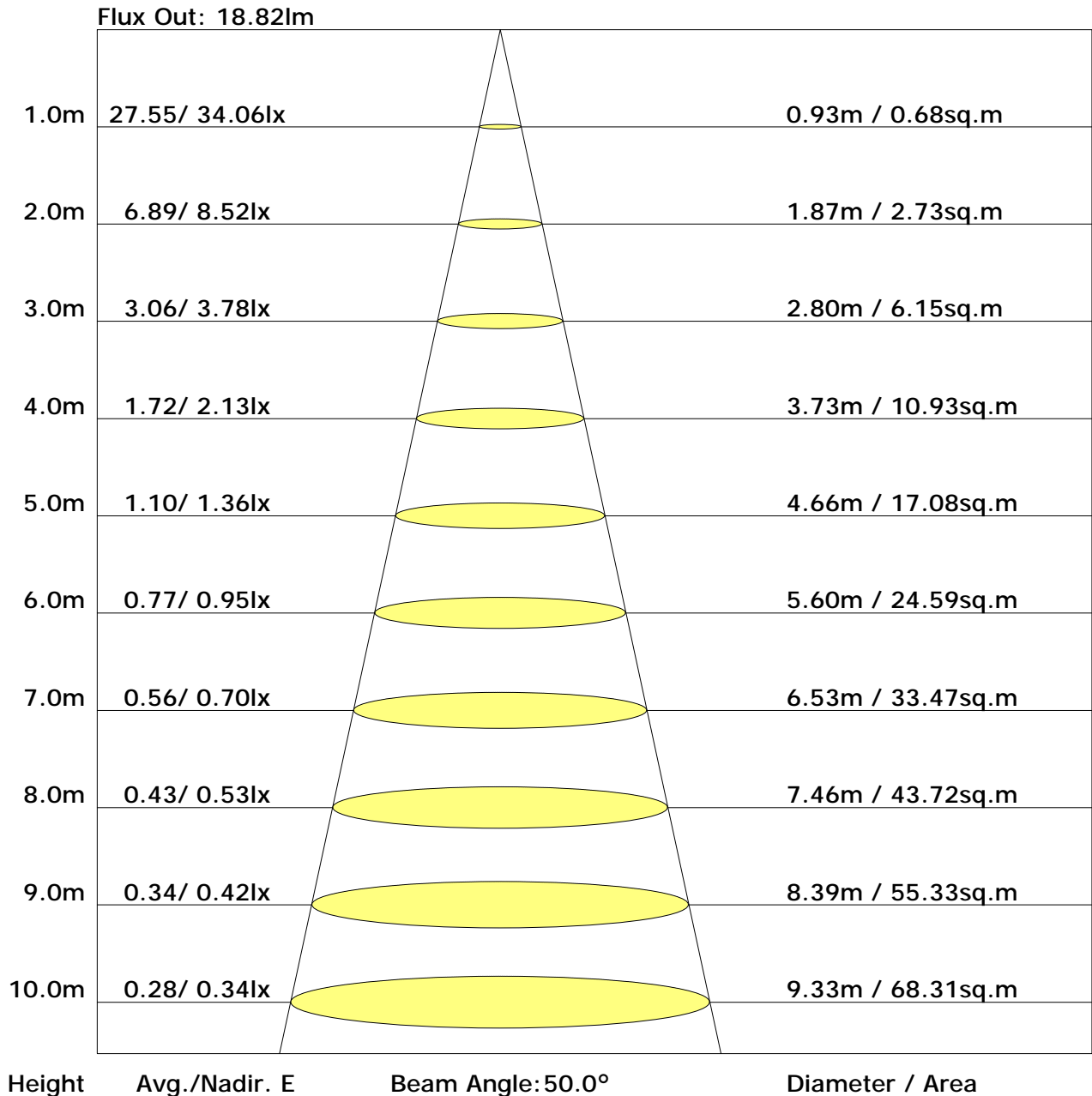
Unit: lm

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)
Horizontal plane		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.9
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.7
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.7
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	8.4
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	9.8
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	10.5
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	10.5
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	9.8
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.6	8.5
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	6.7
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.8
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.9
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.3
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	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	0.0

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



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	25.8	27.3	26.2	27.7	28.0	22.5	24.0	22.8	24.4	24.7
3H	27.4	28.8	27.8	29.2	29.6	23.3	24.7	23.7	25.1	25.5
4H	27.9	29.3	28.4	29.6	30.1	23.5	24.8	23.9	25.2	25.6
6H	28.3	29.5	28.7	29.9	30.3	23.5	24.7	23.9	25.1	25.6
8H	28.3	29.5	28.8	29.9	30.4	23.5	24.7	23.9	25.1	25.5
12H	28.4	29.5	28.8	29.9	30.4	23.5	24.6	23.9	25.0	25.5
X=4H Y=2H	26.0	27.3	26.4	27.7	28.1	23.0	24.4	23.4	24.7	25.1
3H	27.7	28.9	28.2	29.3	29.7	24.0	25.1	24.4	25.5	26.0
4H	28.3	29.4	28.8	29.8	30.3	24.2	25.2	24.7	25.7	26.1
6H	28.7	29.6	29.2	30.1	30.6	24.3	25.1	24.8	25.6	26.1
8H	28.8	29.7	29.3	30.1	30.6	24.3	25.1	24.7	25.5	26.0
12H	28.9	29.6	29.4	30.1	30.6	24.2	25.0	24.7	25.5	26.0
X=8H Y=4H	28.4	29.2	28.9	29.7	30.2	24.4	25.2	24.9	25.7	26.2
6H	28.8	29.5	29.3	30.0	30.5	24.4	25.1	24.9	25.6	26.1
8H	28.9	29.5	29.4	30.0	30.6	24.4	25.0	24.9	25.5	26.1
12H	29.0	29.5	29.5	30.0	30.6	24.4	24.9	24.9	25.4	26.0
X=12H Y=4H	28.4	29.1	28.9	29.6	30.1	24.4	25.1	24.9	25.6	26.1
6H	28.8	29.4	29.3	29.9	30.4	24.4	25.0	25.0	25.5	26.1
8H	28.9	29.4	29.4	29.9	30.5	24.4	25.0	24.9	25.5	26.1

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 = 1.25								
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	0.58	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.67	0.72	0.80	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86
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	0.98	0.80	0.68	0.59	0.47	0.39	0.33	0.25	0.21	
	0.30		0.82	0.69	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.94	0.77	0.65	0.56	0.45	0.40	0.31	0.24	0.20	
	0.30		0.80	0.67	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.69	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.91	0.74	0.62	0.54	0.42	0.35	0.30	0.23	0.19	
	0.30		0.78	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.68	0.58	0.50	0.45	0.36	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.20	0.16	0.13	
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	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.21
	0.20		0.06	0.08	0.09	0.10	0.13	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	0.22	0.22
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.18	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.15	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
<p>Rating:5W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	34.0	0.0	0.0	0.04	0.04
1.0-2.0	34.0	0.1	0.1	0.11	0.14
2.0-3.0	34.0	0.2	0.3	0.18	0.32
3.0-4.0	33.9	0.2	0.5	0.25	0.56
4.0-5.0	33.9	0.3	0.8	0.31	0.88
5.0-6.0	33.8	0.4	1.2	0.38	1.26
6.0-7.0	33.7	0.4	1.6	0.45	1.71
7.0-8.0	33.6	0.5	2.1	0.52	2.23
8.0-9.0	33.5	0.5	2.6	0.59	2.82
9.0-10.0	33.4	0.6	3.2	0.65	3.47
10.0-11.0	33.3	0.7	3.9	0.72	4.19
11.0-12.0	33.1	0.7	4.6	0.78	4.97
12.0-13.0	33.0	0.8	5.4	0.84	5.81
13.0-14.0	32.8	0.8	6.2	0.91	6.72
14.0-15.0	32.6	0.9	7.1	0.97	7.68
15.0-16.0	32.4	0.9	8.1	1.02	8.71
16.0-17.0	32.2	1.0	9.1	1.08	9.79
17.0-18.0	32.0	1.1	10.1	1.14	10.93
18.0-19.0	31.8	1.1	11.2	1.19	12.12
19.0-20.0	31.5	1.2	12.4	1.24	13.36
20.0-21.0	31.3	1.2	13.6	1.30	14.66
21.0-22.0	31.0	1.2	14.8	1.34	16.00
22.0-23.0	30.7	1.3	16.1	1.39	17.39
23.0-24.0	30.4	1.3	17.5	1.43	18.82
24.0-25.0	30.1	1.4	18.8	1.48	20.30
25.0-26.0	29.8	1.4	20.2	1.52	21.82
26.0-27.0	29.5	1.4	21.7	1.55	23.37
27.0-28.0	29.1	1.5	23.1	1.59	24.96
28.0-29.0	28.8	1.5	24.7	1.62	26.59
29.0-30.0	28.4	1.5	26.2	1.66	28.24
30.0-31.0	28.1	1.6	27.7	1.69	29.93
31.0-32.0	27.7	1.6	29.3	1.71	31.64
32.0-33.0	27.3	1.6	30.9	1.73	33.37
33.0-34.0	26.9	1.6	32.6	1.76	35.13
34.0-35.0	26.5	1.6	34.2	1.78	36.90
35.0-36.0	26.1	1.7	35.9	1.79	38.70

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	25.7	1.7	37.6	1.81	40.50
37.0-38.0	25.3	1.7	39.2	1.82	42.32
38.0-39.0	24.8	1.7	40.9	1.83	44.15
39.0-40.0	24.4	1.7	42.6	1.83	45.98
40.0-41.0	23.9	1.7	44.3	1.84	47.82
41.0-42.0	23.5	1.7	46.0	1.84	49.66
42.0-43.0	23.0	1.7	47.7	1.84	51.50
43.0-44.0	22.5	1.7	49.4	1.83	53.33
44.0-45.0	22.0	1.7	51.1	1.83	55.15
45.0-46.0	21.5	1.7	52.8	1.82	56.97
46.0-47.0	21.0	1.7	54.5	1.81	58.78
47.0-48.0	20.5	1.7	56.2	1.79	60.57
48.0-49.0	20.0	1.6	57.8	1.78	62.34
49.0-50.0	19.5	1.6	59.4	1.76	64.10
50.0-51.0	19.0	1.6	61.0	1.73	65.83
51.0-52.0	18.5	1.6	62.6	1.71	67.54
52.0-53.0	17.9	1.6	64.2	1.68	69.22
53.0-54.0	17.4	1.5	65.7	1.65	70.88
54.0-55.0	16.8	1.5	67.2	1.62	72.49
55.0-56.0	16.3	1.5	68.7	1.59	74.08
56.0-57.0	15.7	1.4	70.1	1.55	75.63
57.0-58.0	15.2	1.4	71.5	1.51	77.14
58.0-59.0	14.6	1.4	72.9	1.47	78.61
59.0-60.0	14.0	1.3	74.2	1.43	80.04
60.0-61.0	13.4	1.3	75.5	1.38	81.42
61.0-62.0	12.9	1.2	76.7	1.34	82.76
62.0-63.0	12.3	1.2	77.9	1.29	84.04
63.0-64.0	11.7	1.1	79.1	1.24	85.28
64.0-65.0	11.1	1.1	80.2	1.18	86.46
65.0-66.0	10.5	1.0	81.2	1.13	87.59
66.0-67.0	9.9	1.0	82.2	1.07	88.67
67.0-68.0	9.3	0.9	83.2	1.02	89.69
68.0-69.0	8.7	0.9	84.1	0.96	90.65
69.0-70.0	8.1	0.8	84.9	0.90	91.55
70.0-71.0	7.6	0.8	85.7	0.84	92.39
71.0-72.0	7.0	0.7	86.4	0.78	93.18

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	6.4	0.7	87.1	0.72	93.90
73.0-74.0	5.8	0.6	87.7	0.66	94.56
74.0-75.0	5.3	0.6	88.2	0.60	95.17
75.0-76.0	4.8	0.5	88.8	0.55	95.71
76.0-77.0	4.2	0.5	89.2	0.49	96.20
77.0-78.0	3.7	0.4	89.6	0.43	96.63
78.0-79.0	3.2	0.3	90.0	0.38	97.01
79.0-80.0	2.8	0.3	90.3	0.32	97.33
80.0-81.0	2.3	0.3	90.5	0.27	97.61
81.0-82.0	2.0	0.2	90.7	0.23	97.83
82.0-83.0	1.6	0.2	90.9	0.19	98.02
83.0-84.0	1.3	0.1	91.0	0.15	98.17
84.0-85.0	1.0	0.1	91.1	0.12	98.30
85.0-86.0	0.8	0.1	91.2	0.09	98.39
86.0-87.0	0.6	0.1	91.3	0.07	98.46
87.0-88.0	0.4	0.0	91.3	0.05	98.51
88.0-89.0	0.3	0.0	91.4	0.04	98.55
89.0-90.0	0.2	0.0	91.4	0.03	98.57
90.0-91.0	0.2	0.0	91.4	0.02	98.60
91.0-92.0	0.2	0.0	91.4	0.02	98.62
92.0-93.0	0.1	0.0	91.5	0.02	98.64
93.0-94.0	0.2	0.0	91.5	0.02	98.65
94.0-95.0	0.1	0.0	91.5	0.02	98.67
95.0-96.0	0.1	0.0	91.5	0.02	98.69
96.0-97.0	0.1	0.0	91.5	0.02	98.70
97.0-98.0	0.1	0.0	91.5	0.01	98.72
98.0-99.0	0.1	0.0	91.5	0.01	98.73
99.0-100.0	0.1	0.0	91.6	0.01	98.75
100.0-101.0	0.1	0.0	91.6	0.01	98.76
101.0-102.0	0.1	0.0	91.6	0.01	98.77
102.0-103.0	0.1	0.0	91.6	0.01	98.79
103.0-104.0	0.1	0.0	91.6	0.01	98.80
104.0-105.0	0.1	0.0	91.6	0.01	98.82
105.0-106.0	0.1	0.0	91.6	0.02	98.83
106.0-107.0	0.1	0.0	91.7	0.02	98.85
107.0-108.0	0.1	0.0	91.7	0.02	98.87

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	91.7	0.02	98.88
109.0-110.0	0.2	0.0	91.7	0.02	98.90
110.0-111.0	0.2	0.0	91.7	0.02	98.92
111.0-112.0	0.2	0.0	91.7	0.02	98.94
112.0-113.0	0.2	0.0	91.8	0.02	98.96
113.0-114.0	0.2	0.0	91.8	0.02	98.98
114.0-115.0	0.2	0.0	91.8	0.02	98.99
115.0-116.0	0.2	0.0	91.8	0.02	99.01
116.0-117.0	0.2	0.0	91.8	0.02	99.03
117.0-118.0	0.2	0.0	91.8	0.02	99.05
118.0-119.0	0.2	0.0	91.9	0.02	99.07
119.0-120.0	0.2	0.0	91.9	0.02	99.09
120.0-121.0	0.2	0.0	91.9	0.02	99.11
121.0-122.0	0.2	0.0	91.9	0.02	99.13
122.0-123.0	0.2	0.0	91.9	0.02	99.15
123.0-124.0	0.2	0.0	92.0	0.02	99.17
124.0-125.0	0.2	0.0	92.0	0.02	99.19
125.0-126.0	0.2	0.0	92.0	0.02	99.21
126.0-127.0	0.2	0.0	92.0	0.02	99.23
127.0-128.0	0.2	0.0	92.0	0.02	99.26
128.0-129.0	0.2	0.0	92.1	0.02	99.28
129.0-130.0	0.2	0.0	92.1	0.02	99.30
130.0-131.0	0.2	0.0	92.1	0.02	99.32
131.0-132.0	0.2	0.0	92.1	0.02	99.34
132.0-133.0	0.3	0.0	92.1	0.02	99.37
133.0-134.0	0.2	0.0	92.2	0.02	99.39
134.0-135.0	0.2	0.0	92.2	0.02	99.41
135.0-136.0	0.3	0.0	92.2	0.02	99.43
136.0-137.0	0.3	0.0	92.2	0.02	99.45
137.0-138.0	0.3	0.0	92.2	0.02	99.47
138.0-139.0	0.3	0.0	92.3	0.02	99.49
139.0-140.0	0.3	0.0	92.3	0.02	99.51
140.0-141.0	0.3	0.0	92.3	0.02	99.53
141.0-142.0	0.3	0.0	92.3	0.02	99.55
142.0-143.0	0.3	0.0	92.3	0.02	99.57
143.0-144.0	0.3	0.0	92.3	0.02	99.59

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	0.3	0.0	92.4	0.02	99.61
145.0-146.0	0.3	0.0	92.4	0.02	99.63
146.0-147.0	0.3	0.0	92.4	0.02	99.65
147.0-148.0	0.3	0.0	92.4	0.02	99.67
148.0-149.0	0.3	0.0	92.4	0.02	99.69
149.0-150.0	0.3	0.0	92.5	0.02	99.71
150.0-151.0	0.3	0.0	92.5	0.02	99.73
151.0-152.0	0.3	0.0	92.5	0.02	99.74
152.0-153.0	0.3	0.0	92.5	0.02	99.76
153.0-154.0	0.3	0.0	92.5	0.02	99.78
154.0-155.0	0.3	0.0	92.5	0.02	99.79
155.0-156.0	0.3	0.0	92.5	0.02	99.81
156.0-157.0	0.3	0.0	92.6	0.02	99.82
157.0-158.0	0.3	0.0	92.6	0.01	99.84
158.0-159.0	0.3	0.0	92.6	0.01	99.85
159.0-160.0	0.3	0.0	92.6	0.01	99.87
160.0-161.0	0.3	0.0	92.6	0.01	99.88
161.0-162.0	0.3	0.0	92.6	0.01	99.89
162.0-163.0	0.3	0.0	92.6	0.01	99.90
163.0-164.0	0.3	0.0	92.6	0.01	99.91
164.0-165.0	0.3	0.0	92.7	0.01	99.92
165.0-166.0	0.3	0.0	92.7	0.01	99.93
166.0-167.0	0.3	0.0	92.7	0.01	99.94
167.0-168.0	0.3	0.0	92.7	0.01	99.95
168.0-169.0	0.3	0.0	92.7	0.01	99.96
169.0-170.0	0.3	0.0	92.7	0.01	99.96
170.0-171.0	0.3	0.0	92.7	0.01	99.97
171.0-172.0	0.3	0.0	92.7	0.01	99.98
172.0-173.0	0.3	0.0	92.7	0.01	99.98
173.0-174.0	0.3	0.0	92.7	0.00	99.99
174.0-175.0	0.4	0.0	92.7	0.00	99.99
175.0-176.0	0.3	0.0	92.7	0.00	99.99
176.0-177.0	0.3	0.0	92.7	0.00	100.00
177.0-178.0	0.4	0.0	92.7	0.00	100.00
178.0-179.0	0.3	0.0	92.7	0.00	100.00
179.0-180.0	0.3	0.0	92.7	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: