

Report No.:

Test Time: 2020/11/17 16:12

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour 3.0

Lamp Catalog: 9N-G

Number of Lamps: 160

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 5.41 W

Luminaire Description: RB0SCS2203.0G-9N

Lamp Description: 2835 GREEN

Luminous Length (mm): 500

Luminous Height (mm): 12

Current: 0.225 A

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 248.5 lm

Downward Ratio: 71%

Horizontal Diffuse Angle(10%,50%): H360,H115.4

Vertical Diffuse Angle(10%,50%): V349.2,V185.6

Luminaire Efficacy Rating (LER): 46

Max. Intensity: 55.91 cd

Total Rated Lamp Lumens: 248.5 lm

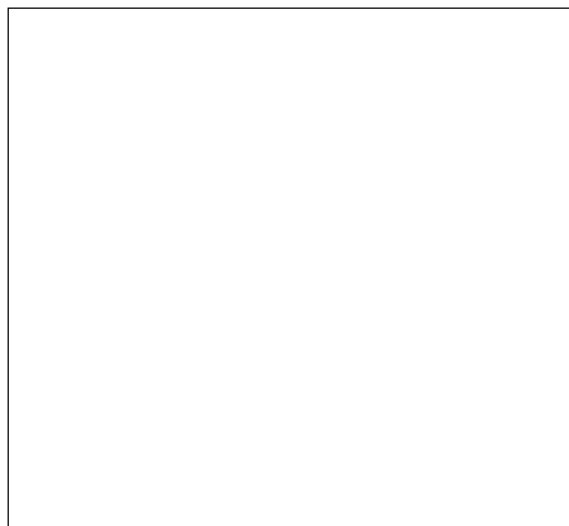
Efficiency: 100%

Upward Ratio: 29%

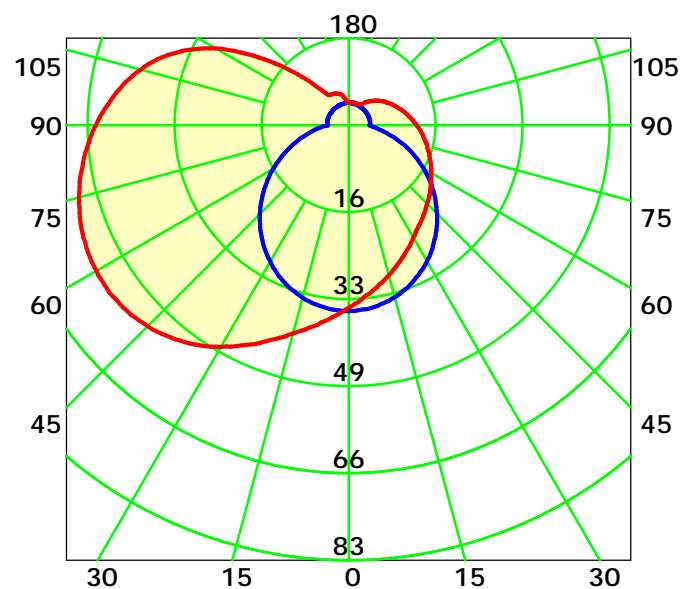
Central Intensity: 35.6 cd

Pos of Max. Intensity: H270 V55

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 150.5° 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

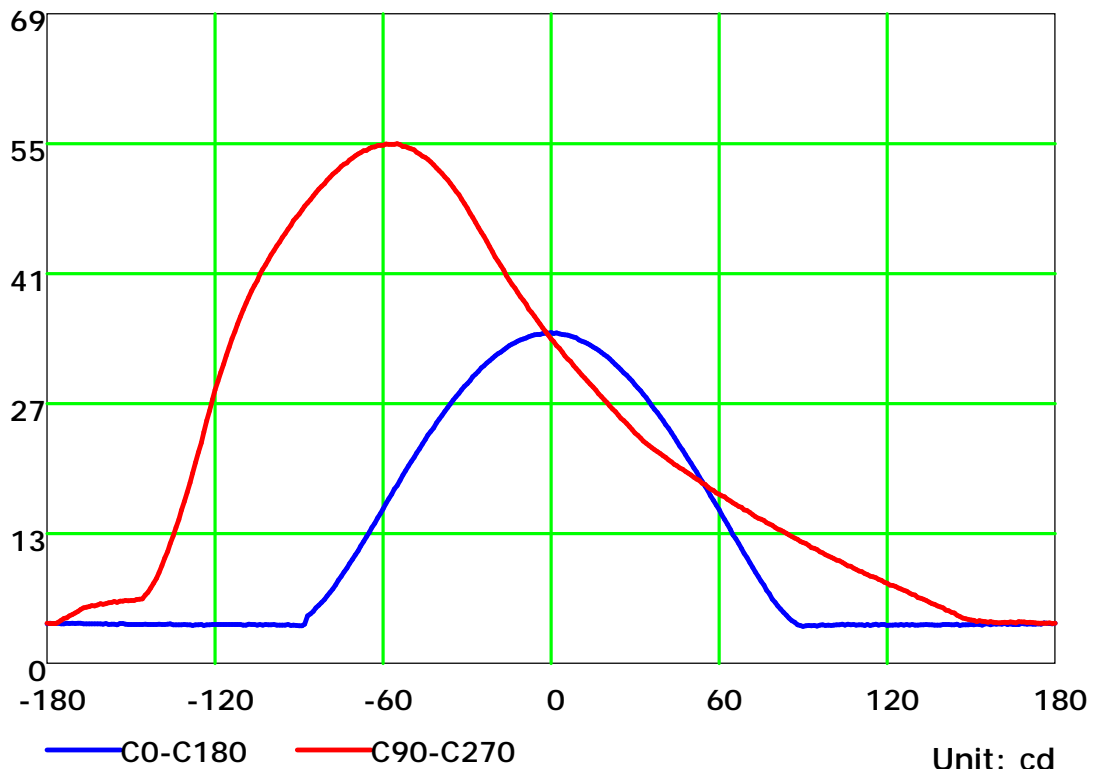
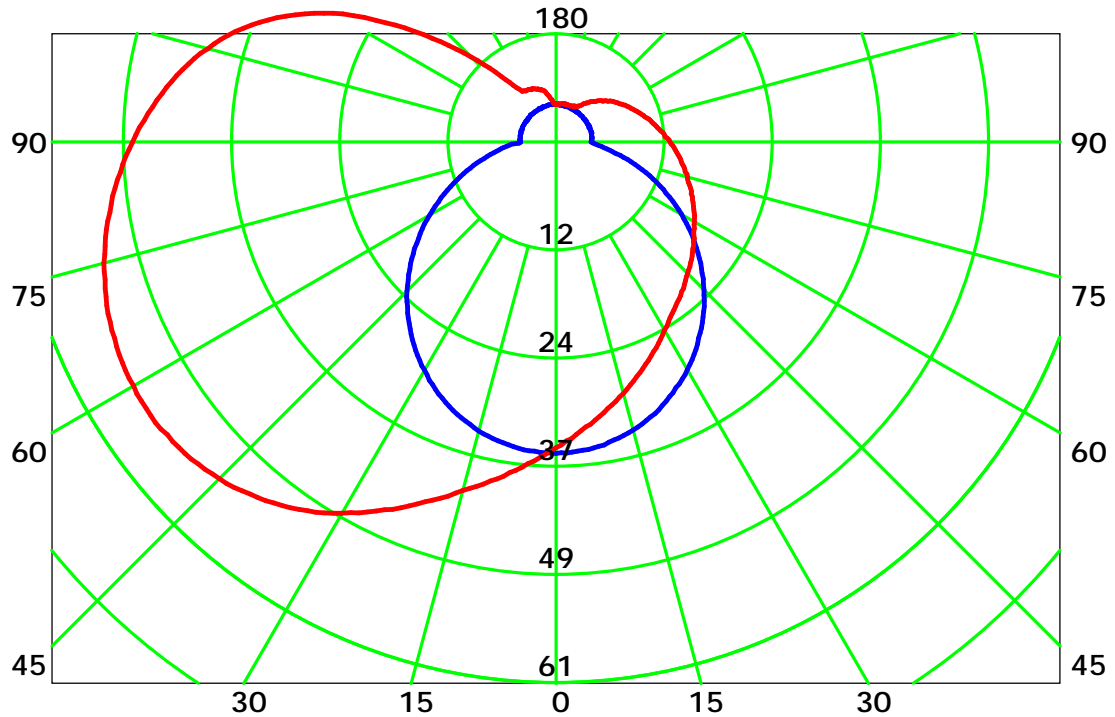
Distance: 9.028 m

Humidity: 60%

Inspector:



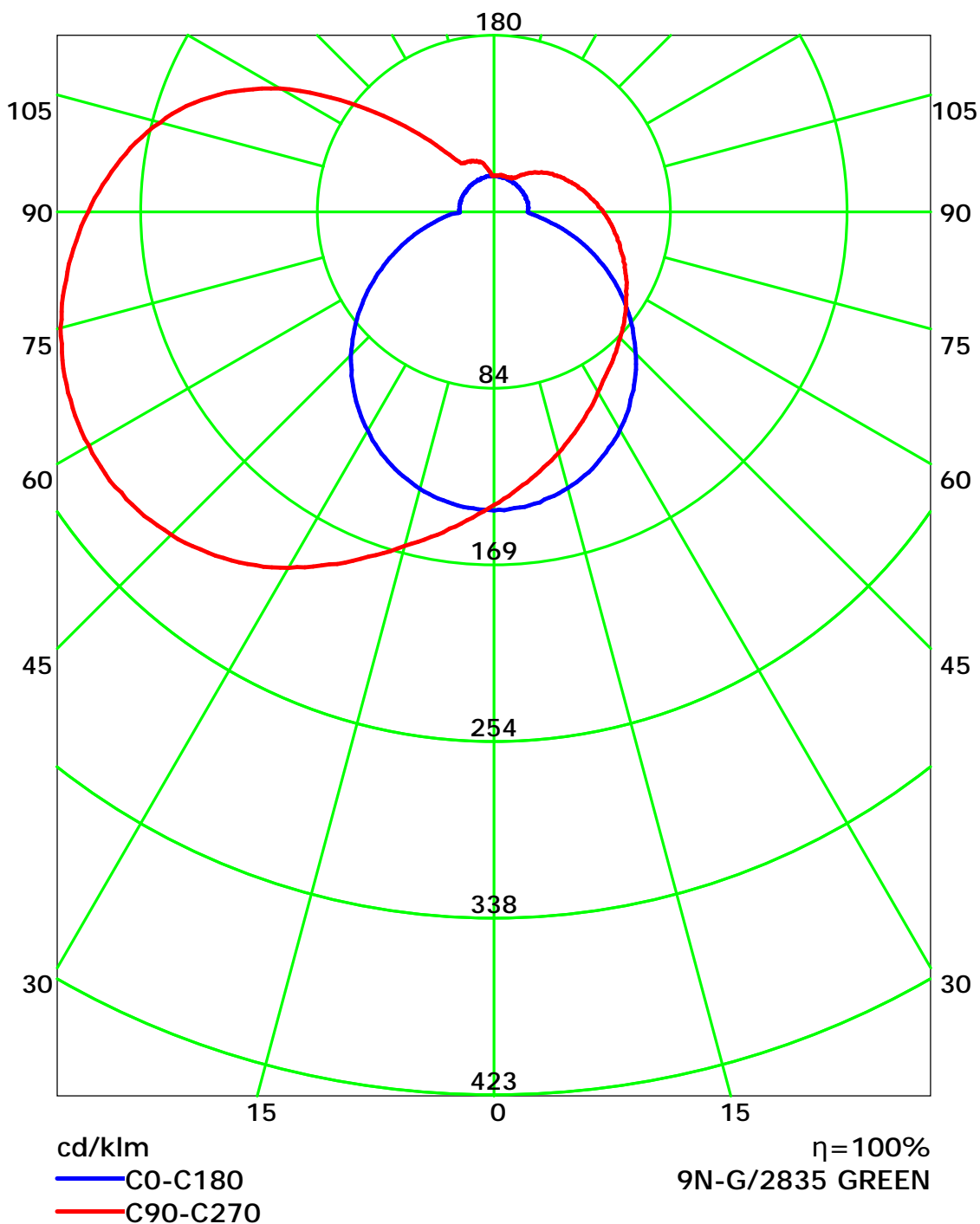
## Luminous Intensity Distribution Curve



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:

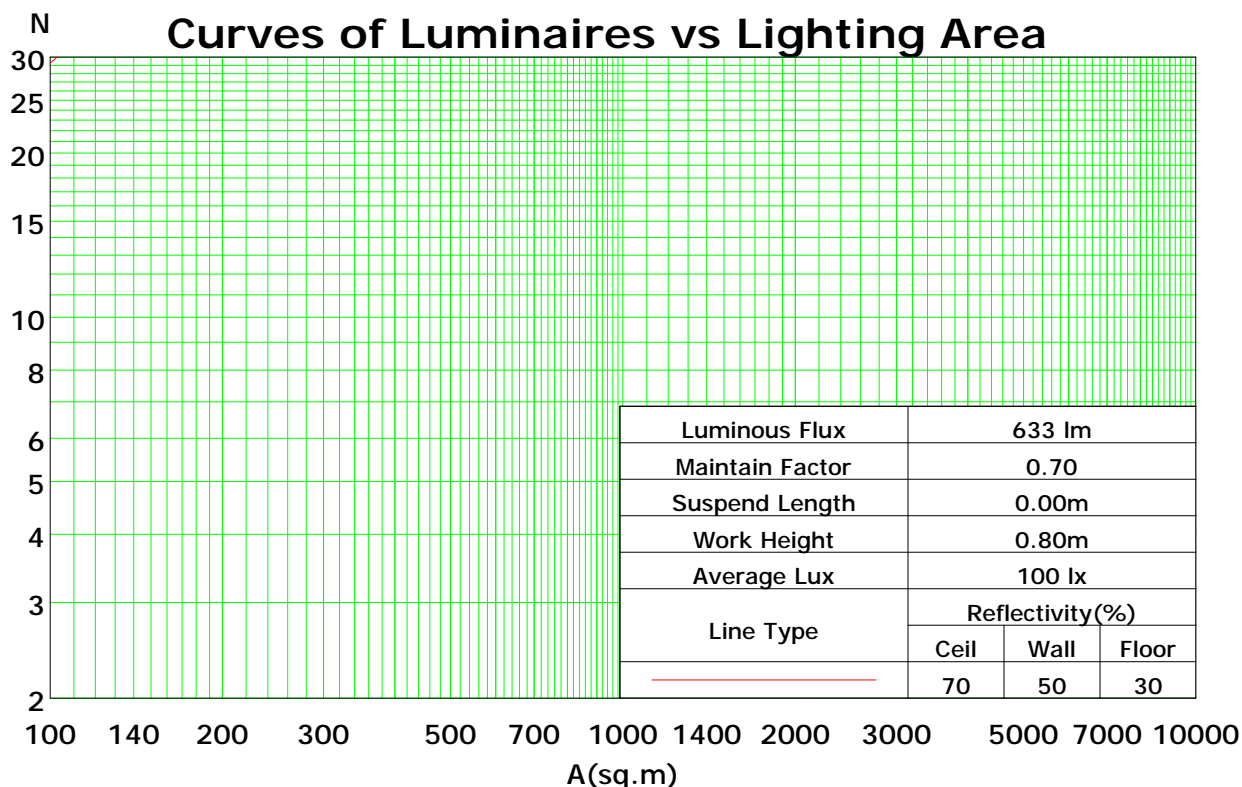
## Coefficients Of Utilization - Zonal Cavity Method

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	98	91	86	81	92	86	81	76	76	72	69	67	64	61	59	57	54	50
2	87	77	69	62	82	73	66	59	65	59	53	57	52	48	50	46	43	39
3	79	67	57	50	74	63	54	48	56	49	43	49	43	39	43	38	34	31
4	72	58	49	41	67	55	46	39	49	41	36	43	37	32	37	33	29	25
5	65	51	42	35	61	49	40	33	43	36	30	38	32	27	33	28	24	21
6	60	46	36	30	56	43	35	28	39	31	26	34	28	23	30	25	21	18
7	55	41	32	26	52	39	31	25	35	28	22	31	25	20	27	22	18	16
8	51	37	29	22	48	35	27	22	32	25	20	28	22	18	25	20	16	14
9	48	34	26	20	45	32	24	19	29	22	17	26	20	16	23	18	14	12
10	45	31	23	18	42	30	22	17	27	20	16	24	18	14	21	16	13	11

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.64

Spacing Criteria (Diagonal): 1.61



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

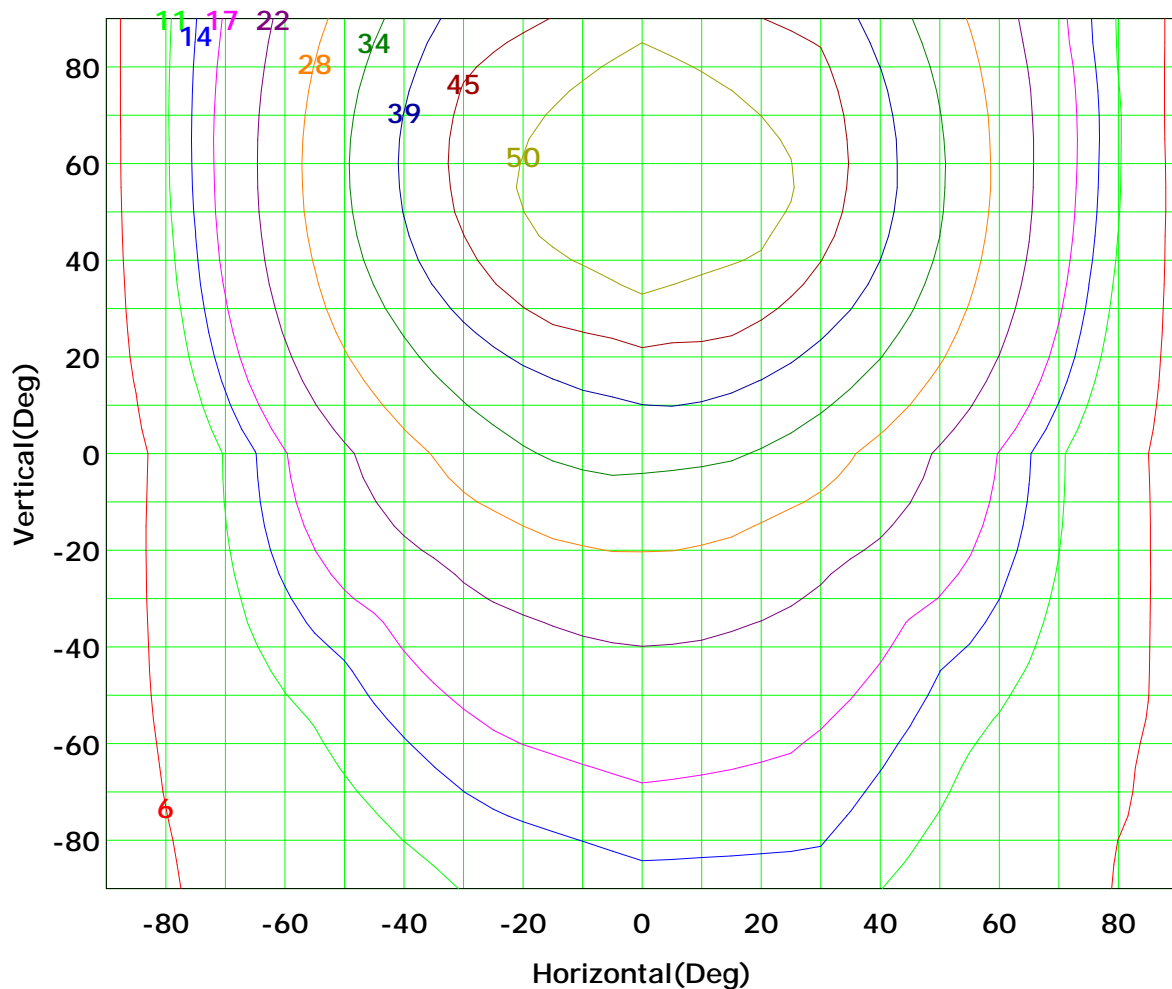
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 56 cd

( 10%):	6 cd	( 20%):	11 cd
( 25%):	14 cd	( 30%):	17 cd
( 40%):	22 cd	( 50%):	28 cd
( 60%):	34 cd	( 70%):	39 cd
( 80%):	45 cd	( 90%):	50 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

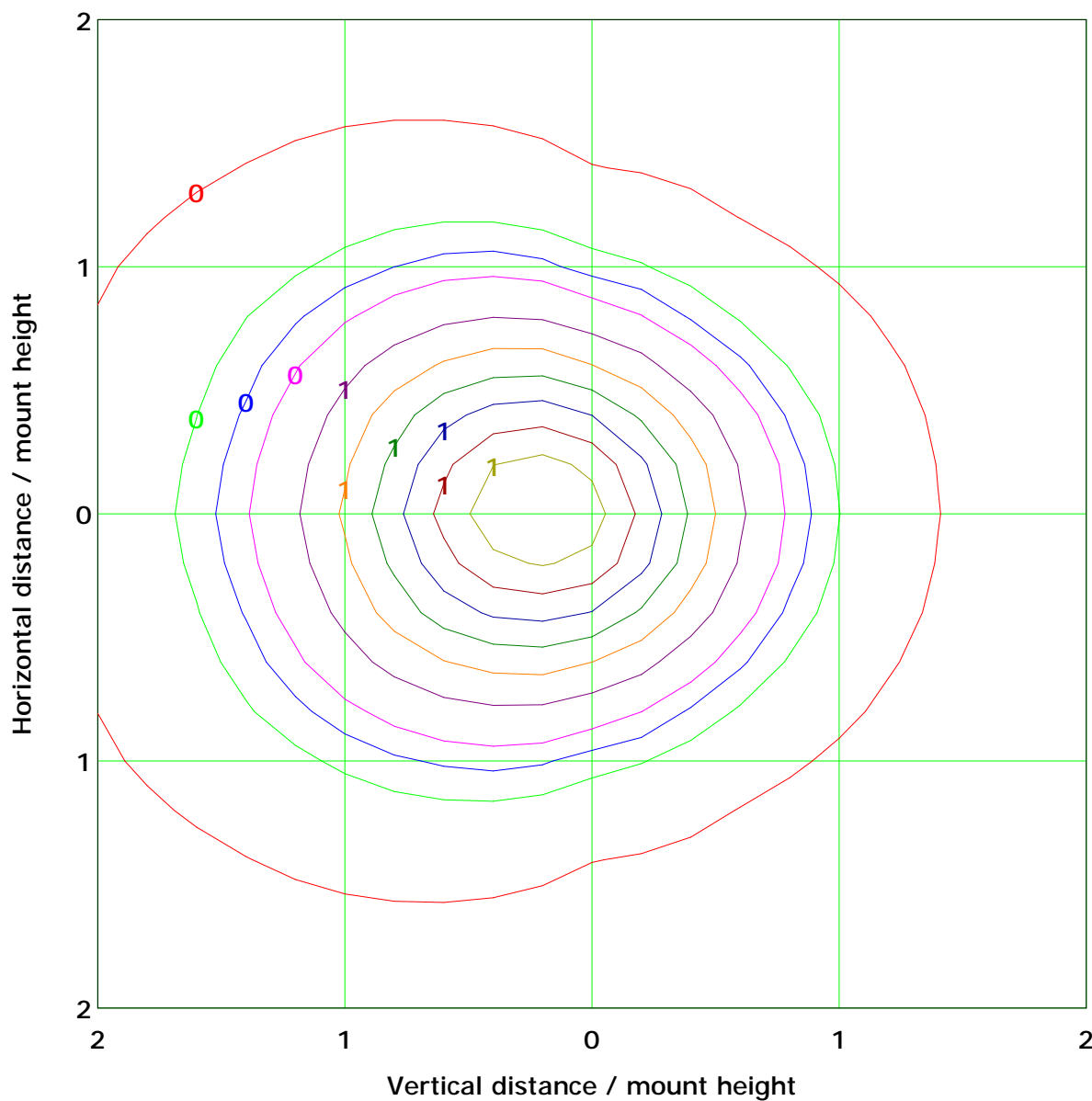
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 1.5 lx

( 10%): 0.1 lx	( 20%): 0.3 lx
( 25%): 0.4 lx	( 30%): 0.4 lx
( 40%): 0.6 lx	( 50%): 0.7 lx
( 60%): 0.9 lx	( 70%): 1.0 lx
( 80%): 1.2 lx	( 90%): 1.3 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

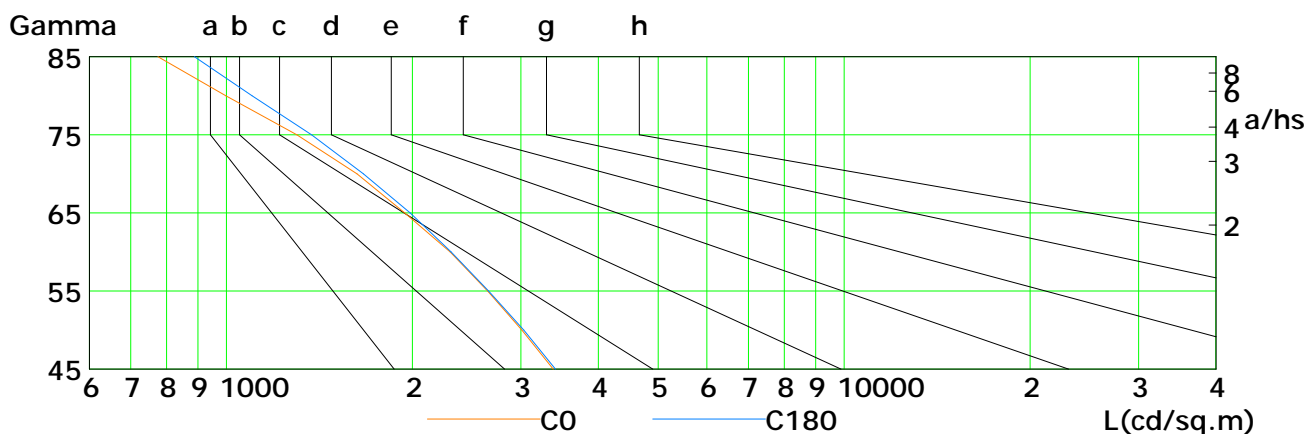
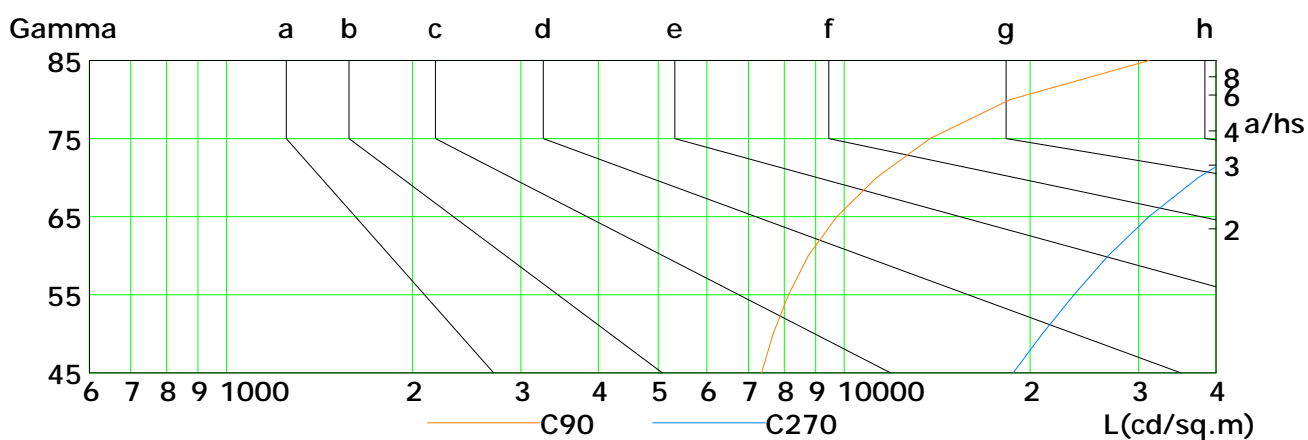
Humidity: 60%

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	3383	3011	2649	2303	1944	1627	1300	998	775
C90	7351	7676	8125	8756	9739	11287	13768	18577	31198
C180	3411	3030	2659	2311	1984	1667	1375	1101	888
C270	18793	20933	23557	26758	31162	37455	47402	65895	113245

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

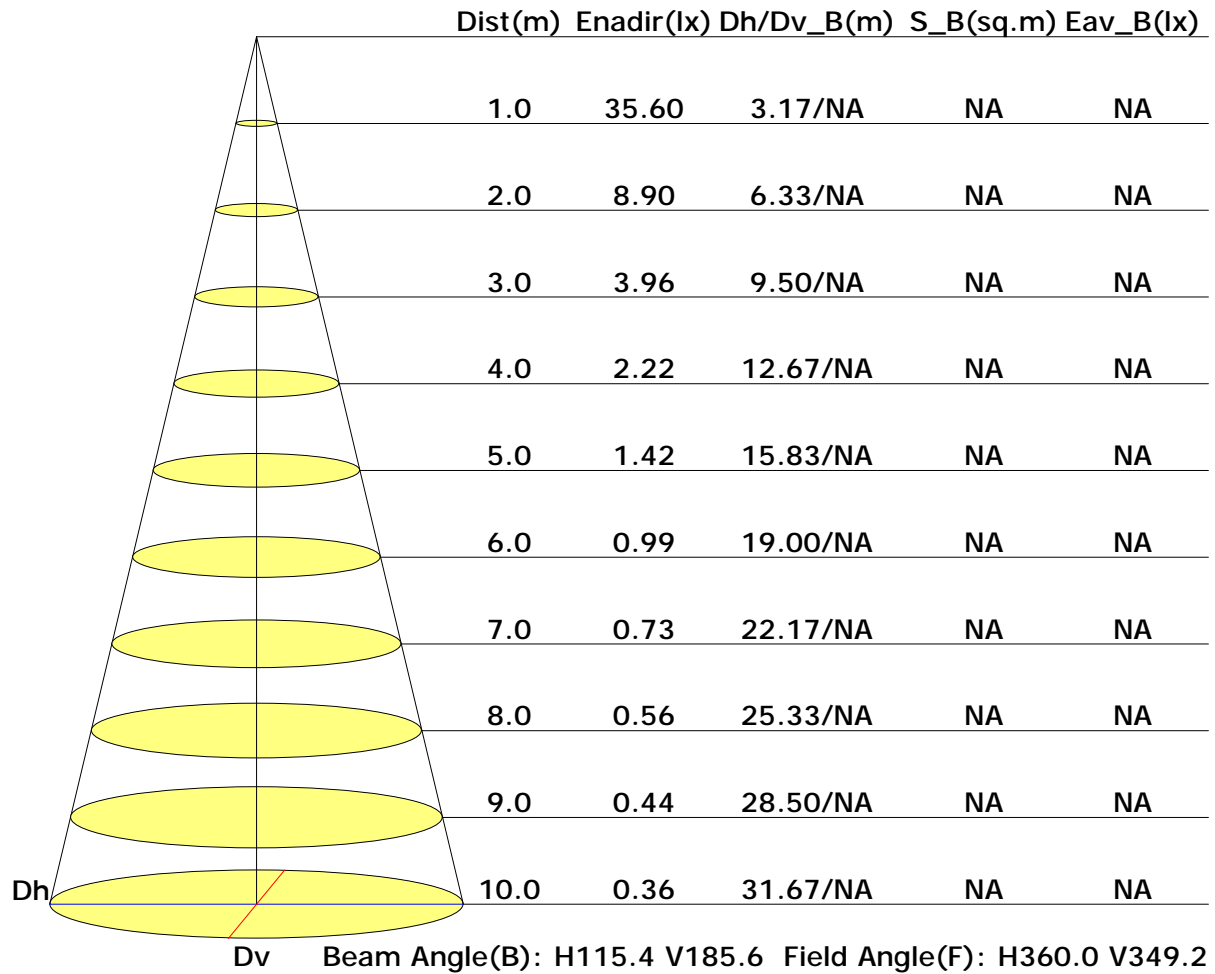
Distance: 9.028 m

Humidity: 60%

Inspector:



## Illuminance at a Distance



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

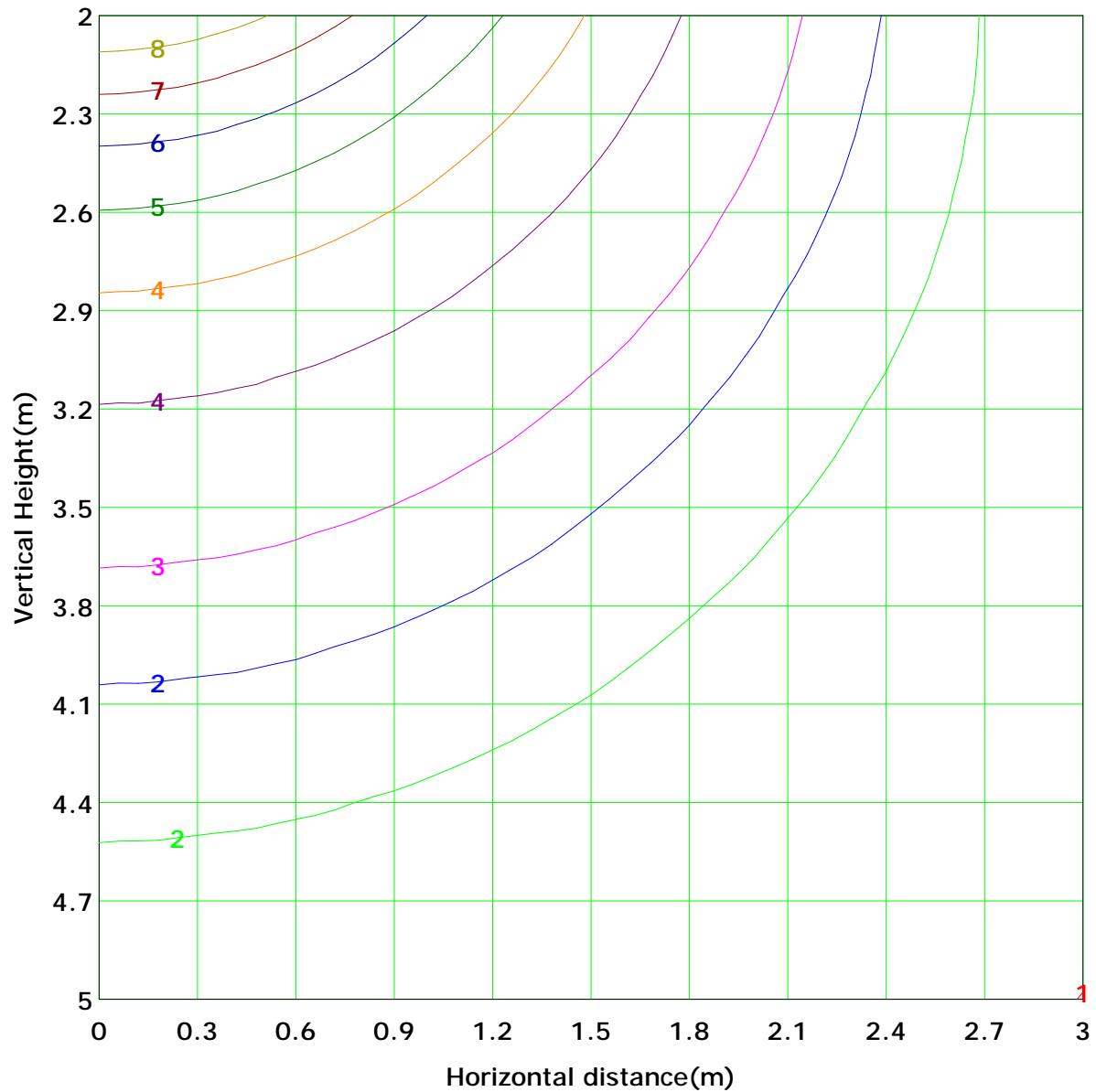
Humidity: 60%

Inspector:





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 8.9 lx
( 10%): 0.9 lx	( 20%): 1.8 lx	( 30%): 2.7 lx
( 25%): 2.2 lx	( 40%): 3.6 lx	( 50%): 4.4 lx
( 60%): 5.3 lx	( 70%): 6.2 lx	( 90%): 8.0 lx
( 80%): 7.1 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

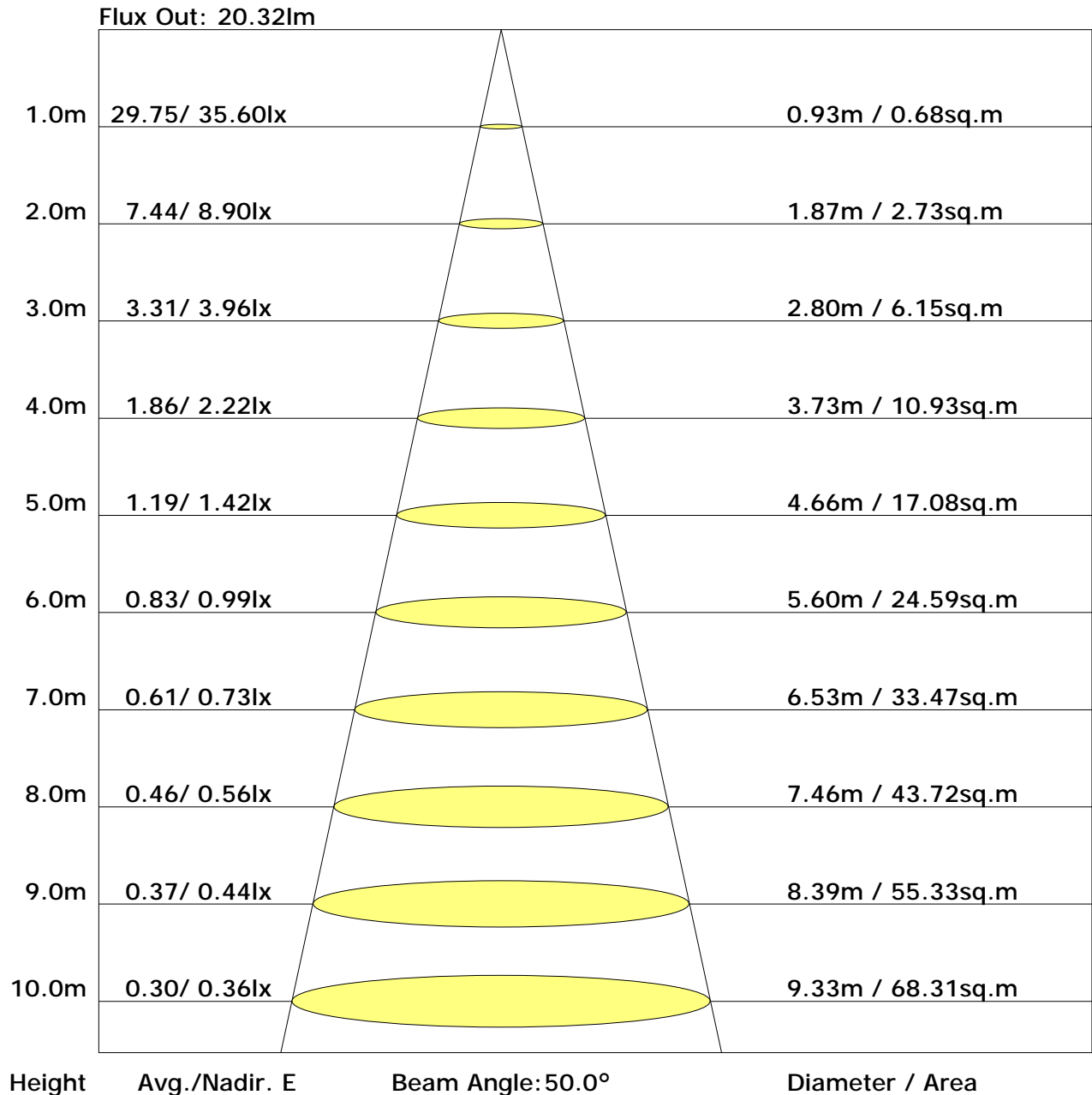
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.3	0.1	0.0	0.0	13.5	13.5
	-80	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.0	0.8	0.5	0.3	0.1	0.0	0.0	14.3	14.3
	-70	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.5	1.6	1.6	1.5	1.3	1.1	0.8	0.5	0.3	0.1	0.0	0.0	14.7	14.7
	-60	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.5	1.6	1.6	1.5	1.3	1.1	0.8	0.5	0.3	0.1	0.0	0.0	14.8	14.8
	-50	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.5	1.6	1.6	1.5	1.3	1.1	0.8	0.5	0.3	0.1	0.0	0.0	14.4	14.4
	-40	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.3	0.1	0.0	0.0	13.6	13.6
	-30	0.0	0.1	0.3	0.5	0.8	1.0	1.2	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	12.5	12.5
	-20	0.0	0.1	0.2	0.4	0.6	0.9	1.0	1.2	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	11.3	11.3
	-10	0.0	0.1	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.0	0.9	0.7	0.6	0.4	0.2	0.1	0.0	0.0	10.1	10.1
	0	0.0	0.1	0.2	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.1	0.0	0.0	9.1	9.1
	10	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	8.2	8.2
	20	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.0	0.0	7.4	7.4
	30	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	6.6	6.6
	40	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	6.0	5.9
	50	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	5.4	5.4
	60	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	4.9	4.9
	70	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	4.4	4.4
	80	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	4.0	4.0
	90	0.3	1.6	3.7	6.5	9.8	13.1	16.2	18.2	19.3	19.2	17.9	15.7	12.7	9.4	6.3	3.6	1.5	0.3	0.2	175	175

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	20.0	21.2	20.7	22.0	22.9	16.4	17.7	17.2	18.5	19.4
3H	22.1	23.3	22.9	24.1	25.0	18.8	19.9	19.5	20.7	21.7
4H	23.1	24.2	23.8	25.0	25.9	19.9	21.0	20.6	21.8	22.7
6H	23.9	24.9	24.7	25.7	26.7	21.0	22.0	21.7	22.8	23.8
8H	24.3	25.3	25.1	26.1	27.1	21.5	22.5	22.3	23.3	24.3
12H	24.7	25.6	25.4	26.4	27.4	22.0	22.9	22.8	23.7	24.8
X=4H Y=2H	21.0	22.1	21.8	22.9	23.9	17.1	18.2	17.9	19.0	20.0
3H	23.5	24.4	24.2	25.2	26.2	19.7	20.7	20.5	21.5	22.5
4H	24.6	25.4	25.4	26.3	27.3	21.0	21.9	21.8	22.7	23.7
6H	25.6	26.4	26.4	27.2	28.2	22.3	23.1	23.1	23.9	24.9
8H	26.0	26.8	26.8	27.6	28.6	22.9	23.6	23.7	24.5	25.5
12H	26.5	27.1	27.3	28.0	29.0	23.5	24.2	24.3	25.0	26.1
X=8H Y=4H	25.4	26.1	26.2	27.0	28.0	21.5	22.2	22.3	23.1	24.1
6H	26.6	27.3	27.5	28.2	29.2	23.0	23.6	23.8	24.5	25.5
8H	27.3	27.8	28.1	28.7	29.8	23.7	24.3	24.6	25.2	26.2
12H	27.9	28.4	28.7	29.3	30.3	24.5	25.0	25.4	25.9	27.0
X=12H Y=4H	25.6	26.3	26.4	27.1	28.2	21.5	22.2	22.4	23.1	24.1
6H	27.0	27.6	27.8	28.4	29.5	23.1	23.7	24.0	24.6	25.6
8H	27.7	28.2	28.6	29.1	30.2	24.0	24.5	24.8	25.4	26.5

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	0.43	0.51	0.58	0.63	0.70	0.75	0.79	0.84	0.87
	0.30		0.35	0.42	0.49	0.55	0.62	0.68	0.72	0.78	0.82
	0.20		0.29	0.36	0.43	0.48	0.56	0.62	0.67	0.73	0.78
0.50	0.50	0.20	0.39	0.45	0.52	0.56	0.62	0.67	0.70	0.74	0.77
	0.30		0.32	0.38	0.45	0.49	0.56	0.61	0.65	0.70	0.74
	0.20		0.27	0.34	0.39	0.44	0.51	0.56	0.60	0.66	0.70
0.30	0.50	0.20	0.35	0.40	0.46	0.49	0.55	0.59	0.62	0.66	0.69
	0.30		0.29	0.35	0.40	0.44	0.50	0.54	0.58	0.62	0.66
	0.20		0.25	0.30	0.36	0.40	0.46	0.51	0.54	0.59	0.63
0.00	0.00	0.00	0.20	0.24	0.29	0.32	0.37	0.41	0.44	0.48	0.52
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	1.03	0.90	0.79	0.71	0.59	0.50	0.44	0.36	0.30
	0.30		0.86	0.77	0.69	0.62	0.53	0.46	0.41	0.34	0.29
	0.20		0.74	0.68	0.61	0.56	0.48	0.43	0.38	0.32	0.27
0.50	0.50	0.20	0.94	0.82	0.72	0.64	0.53	0.48	0.41	0.33	0.28
	0.30		0.79	0.71	0.63	0.58	0.49	0.43	0.38	0.31	0.27
	0.20		0.69	0.63	0.57	0.52	0.45	0.40	0.36	0.30	0.25
0.30	0.50	0.20	0.85	0.74	0.65	0.58	0.49	0.42	0.37	0.30	0.26
	0.30		0.73	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.25
	0.20		0.64	0.58	0.53	0.48	0.42	0.37	0.33	0.28	0.24
0.00	0.00	0.00	0.51	0.46	0.42	0.38	0.33	0.29	0.26	0.22	0.19
<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>											

## 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	0.45	0.47	0.48	0.48	0.49	0.49	0.50	0.50	0.50
	0.30		0.38	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47
	0.20		0.33	0.34	0.36	0.37	0.38	0.40	0.41	0.42	0.43
0.50	0.50	0.20	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.48
	0.30		0.37	0.39	0.40	0.41	0.42	0.43	0.43	0.44	0.45
	0.20		0.33	0.34	0.35	0.36	0.37	0.39	0.40	0.41	0.42
0.30	0.50	0.20	0.42	0.44	0.44	0.45	0.45	0.46	0.46	0.46	0.46
	0.30		0.37	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.43
	0.20		0.33	0.34	0.35	0.35	0.37	0.38	0.39	0.40	0.41
0.00	0.00	0.00	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	35.1	0.0	0.0	0.01	0.01
1.0-2.0	35.1	0.1	0.1	0.04	0.05
2.0-3.0	35.1	0.2	0.3	0.07	0.12
3.0-4.0	35.0	0.2	0.5	0.09	0.22
4.0-5.0	35.0	0.3	0.8	0.12	0.34
5.0-6.0	35.0	0.4	1.2	0.15	0.49
6.0-7.0	35.0	0.4	1.6	0.17	0.66
7.0-8.0	35.0	0.5	2.1	0.20	0.86
8.0-9.0	35.0	0.6	2.7	0.23	1.09
9.0-10.0	34.9	0.6	3.3	0.25	1.34
10.0-11.0	34.9	0.7	4.0	0.28	1.62
11.0-12.0	34.8	0.8	4.8	0.31	1.93
12.0-13.0	34.8	0.8	5.6	0.33	2.26
13.0-14.0	34.7	0.9	6.5	0.36	2.62
14.0-15.0	34.7	1.0	7.5	0.38	3.00
15.0-16.0	34.6	1.0	8.5	0.41	3.41
16.0-17.0	34.6	1.1	9.6	0.43	3.85
17.0-18.0	34.5	1.1	10.7	0.46	4.30
18.0-19.0	34.4	1.2	11.9	0.48	4.79
19.0-20.0	34.4	1.3	13.2	0.51	5.29
20.0-21.0	34.3	1.3	14.5	0.53	5.82
21.0-22.0	34.2	1.4	15.8	0.55	6.38
22.0-23.0	34.2	1.4	17.3	0.58	6.95
23.0-24.0	34.1	1.5	18.8	0.60	7.55
24.0-25.0	34.0	1.5	20.3	0.62	8.18
25.0-26.0	33.9	1.6	21.9	0.64	8.82
26.0-27.0	33.8	1.7	23.6	0.67	9.49
27.0-28.0	33.7	1.7	25.3	0.69	10.17
28.0-29.0	33.6	1.8	27.0	0.71	10.88
29.0-30.0	33.5	1.8	28.9	0.73	11.61
30.0-31.0	33.4	1.9	30.7	0.75	12.36
31.0-32.0	33.3	1.9	32.6	0.77	13.13
32.0-33.0	33.2	2.0	34.6	0.79	13.91
33.0-34.0	33.1	2.0	36.6	0.81	14.72
34.0-35.0	33.0	2.0	38.6	0.82	15.54
35.0-36.0	32.8	2.1	40.7	0.84	16.38

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	32.7	2.1	42.9	0.86	17.24
37.0-38.0	32.5	2.2	45.0	0.87	18.12
38.0-39.0	32.4	2.2	47.2	0.89	19.01
39.0-40.0	32.3	2.3	49.5	0.91	19.91
40.0-41.0	32.1	2.3	51.8	0.92	20.83
41.0-42.0	31.9	2.3	54.1	0.93	21.77
42.0-43.0	31.8	2.4	56.5	0.95	22.71
43.0-44.0	31.6	2.4	58.8	0.96	23.67
44.0-45.0	31.5	2.4	61.3	0.97	24.65
45.0-46.0	31.3	2.4	63.7	0.98	25.63
46.0-47.0	31.1	2.5	66.2	0.99	26.62
47.0-48.0	30.9	2.5	68.7	1.00	27.63
48.0-49.0	30.7	2.5	71.2	1.01	28.64
49.0-50.0	30.5	2.5	73.7	1.02	29.67
50.0-51.0	30.3	2.6	76.3	1.03	30.70
51.0-52.0	30.1	2.6	78.9	1.04	31.73
52.0-53.0	29.9	2.6	81.5	1.04	32.78
53.0-54.0	29.6	2.6	84.1	1.05	33.83
54.0-55.0	29.4	2.6	86.7	1.06	34.89
55.0-56.0	29.2	2.6	89.3	1.06	35.95
56.0-57.0	28.9	2.6	92.0	1.07	37.01
57.0-58.0	28.7	2.7	94.6	1.07	38.08
58.0-59.0	28.5	2.7	97.3	1.07	39.15
59.0-60.0	28.2	2.7	100.0	1.07	40.22
60.0-61.0	28.0	2.7	102.6	1.07	41.30
61.0-62.0	27.7	2.7	105.3	1.07	42.37
62.0-63.0	27.4	2.7	108.0	1.07	43.45
63.0-64.0	27.2	2.7	110.6	1.07	44.52
64.0-65.0	26.9	2.7	113.3	1.07	45.59
65.0-66.0	26.7	2.7	116.0	1.07	46.66
66.0-67.0	26.4	2.7	118.6	1.07	47.73
67.0-68.0	26.1	2.6	121.3	1.06	48.79
68.0-69.0	25.8	2.6	123.9	1.06	49.85
69.0-70.0	25.6	2.6	126.5	1.06	50.91
70.0-71.0	25.3	2.6	129.2	1.05	51.96
71.0-72.0	25.0	2.6	131.8	1.05	53.01

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	24.8	2.6	134.3	1.04	54.05
73.0-74.0	24.5	2.6	136.9	1.04	55.09
74.0-75.0	24.2	2.6	139.5	1.03	56.12
75.0-76.0	23.9	2.5	142.0	1.02	57.14
76.0-77.0	23.6	2.5	144.5	1.01	58.16
77.0-78.0	23.4	2.5	147.0	1.01	59.16
78.0-79.0	23.1	2.5	149.5	1.00	60.16
79.0-80.0	22.8	2.5	152.0	0.99	61.15
80.0-81.0	22.6	2.4	154.4	0.98	62.13
81.0-82.0	22.3	2.4	156.8	0.97	63.10
82.0-83.0	22.0	2.4	159.2	0.96	64.07
83.0-84.0	21.8	2.4	161.6	0.95	65.02
84.0-85.0	21.5	2.3	164.0	0.95	65.97
85.0-86.0	21.3	2.3	166.3	0.94	66.90
86.0-87.0	21.0	2.3	168.6	0.93	67.83
87.0-88.0	20.7	2.3	170.9	0.91	68.74
88.0-89.0	20.5	2.2	173.1	0.90	69.65
89.0-90.0	20.3	2.2	175.3	0.89	70.54
90.0-91.0	20.1	2.2	177.5	0.89	71.43
91.0-92.0	19.9	2.2	179.7	0.88	72.30
92.0-93.0	19.7	2.2	181.9	0.87	73.17
93.0-94.0	19.5	2.1	184.0	0.86	74.03
94.0-95.0	19.2	2.1	186.1	0.85	74.87
95.0-96.0	19.0	2.1	188.2	0.84	75.71
96.0-97.0	18.8	2.0	190.2	0.82	76.53
97.0-98.0	18.6	2.0	192.2	0.81	77.35
98.0-99.0	18.4	2.0	194.2	0.80	78.15
99.0-100.0	18.1	2.0	196.2	0.79	78.94
100.0-101.0	17.9	1.9	198.1	0.78	79.71
101.0-102.0	17.6	1.9	200.0	0.76	80.47
102.0-103.0	17.4	1.9	201.9	0.75	81.22
103.0-104.0	17.1	1.8	203.7	0.73	81.96
104.0-105.0	16.8	1.8	205.5	0.72	82.67
105.0-106.0	16.5	1.7	207.2	0.70	83.38
106.0-107.0	16.2	1.7	208.9	0.68	84.06
107.0-108.0	15.9	1.7	210.6	0.67	84.73

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	15.5	1.6	212.2	0.65	85.38
109.0-110.0	15.2	1.6	213.8	0.63	86.01
110.0-111.0	14.8	1.5	215.3	0.61	86.62
111.0-112.0	14.4	1.5	216.8	0.59	87.21
112.0-113.0	14.1	1.4	218.2	0.57	87.79
113.0-114.0	13.7	1.4	219.6	0.56	88.34
114.0-115.0	13.4	1.3	220.9	0.54	88.88
115.0-116.0	13.0	1.3	222.2	0.52	89.40
116.0-117.0	12.7	1.2	223.4	0.50	89.90
117.0-118.0	12.3	1.2	224.6	0.48	90.38
118.0-119.0	11.9	1.1	225.8	0.46	90.84
119.0-120.0	11.5	1.1	226.9	0.44	91.28
120.0-121.0	11.1	1.1	227.9	0.42	91.71
121.0-122.0	10.8	1.0	228.9	0.40	92.11
122.0-123.0	10.4	1.0	229.9	0.39	92.50
123.0-124.0	10.0	0.9	230.8	0.37	92.87
124.0-125.0	9.7	0.9	231.7	0.35	93.22
125.0-126.0	9.4	0.8	232.5	0.34	93.56
126.0-127.0	9.1	0.8	233.3	0.32	93.88
127.0-128.0	8.8	0.8	234.1	0.31	94.19
128.0-129.0	8.5	0.7	234.8	0.29	94.48
129.0-130.0	8.2	0.7	235.5	0.28	94.76
130.0-131.0	7.9	0.7	236.2	0.27	95.02
131.0-132.0	7.7	0.6	236.8	0.25	95.28
132.0-133.0	7.5	0.6	237.4	0.24	95.52
133.0-134.0	7.2	0.6	238.0	0.23	95.75
134.0-135.0	7.0	0.5	238.5	0.22	95.97
135.0-136.0	6.8	0.5	239.1	0.21	96.18
136.0-137.0	6.6	0.5	239.6	0.20	96.38
137.0-138.0	6.4	0.5	240.0	0.19	96.57
138.0-139.0	6.2	0.5	240.5	0.18	96.76
139.0-140.0	6.1	0.4	240.9	0.17	96.93
140.0-141.0	5.9	0.4	241.3	0.17	97.09
141.0-142.0	5.7	0.4	241.7	0.16	97.25
142.0-143.0	5.6	0.4	242.1	0.15	97.40
143.0-144.0	5.5	0.4	242.4	0.14	97.55

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	5.4	0.3	242.8	0.14	97.68
145.0-146.0	5.4	0.3	243.1	0.13	97.82
146.0-147.0	5.3	0.3	243.4	0.13	97.95
147.0-148.0	5.3	0.3	243.8	0.13	98.07
148.0-149.0	5.3	0.3	244.1	0.12	98.20
149.0-150.0	5.2	0.3	244.3	0.12	98.31
150.0-151.0	5.2	0.3	244.6	0.11	98.43
151.0-152.0	5.2	0.3	244.9	0.11	98.54
152.0-153.0	5.2	0.3	245.2	0.11	98.64
153.0-154.0	5.2	0.3	245.4	0.10	98.74
154.0-155.0	5.1	0.2	245.7	0.10	98.84
155.0-156.0	5.1	0.2	245.9	0.09	98.93
156.0-157.0	5.1	0.2	246.1	0.09	99.02
157.0-158.0	5.0	0.2	246.3	0.09	99.11
158.0-159.0	5.0	0.2	246.5	0.08	99.19
159.0-160.0	5.0	0.2	246.7	0.08	99.27
160.0-161.0	5.0	0.2	246.9	0.07	99.34
161.0-162.0	5.0	0.2	247.1	0.07	99.41
162.0-163.0	5.0	0.2	247.2	0.07	99.48
163.0-164.0	4.9	0.2	247.4	0.06	99.54
164.0-165.0	4.9	0.1	247.5	0.06	99.60
165.0-166.0	4.9	0.1	247.7	0.05	99.65
166.0-167.0	4.8	0.1	247.8	0.05	99.70
167.0-168.0	4.8	0.1	247.9	0.05	99.75
168.0-169.0	4.8	0.1	248.0	0.04	99.79
169.0-170.0	4.7	0.1	248.1	0.04	99.83
170.0-171.0	4.7	0.1	248.2	0.03	99.86
171.0-172.0	4.6	0.1	248.3	0.03	99.89
172.0-173.0	4.5	0.1	248.3	0.03	99.92
173.0-174.0	4.5	0.1	248.4	0.02	99.94
174.0-175.0	4.4	0.0	248.4	0.02	99.96
175.0-176.0	4.4	0.0	248.5	0.02	99.97
176.0-177.0	4.3	0.0	248.5	0.01	99.99
177.0-178.0	4.3	0.0	248.5	0.01	99.99
178.0-179.0	4.3	0.0	248.5	0.00	100.00
179.0-180.0	4.3	0.0	248.5	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: