

Report No.:

Test Time: 2020/11/16 16:11

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Silhouette 3.0

Lamp Catalog: 8N-B

Number of Lamps: 160

Luminous Width (mm): 6

Voltage: 24.0 V

Power: 5.08 W

Luminaire Description: RB0SCS2203.0B-8N

Lamp Description: 2835 BLUE

Luminous Length (mm): 500

Luminous Height (mm): 12

Current: 0.212 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 19.2 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H157.6,H107.3

Vertical Diffuse Angle(10%,50%): V154.7,V107.3

Luminaire Efficacy Rating (LER): 4

Max. Intensity: 7.1 cd

Total Rated Lamp Lumens: 19.2 lm

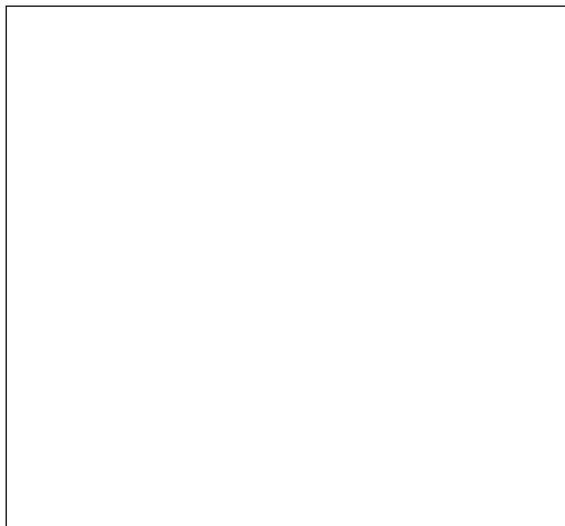
Efficiency: 100%

Upward Ratio: 2%

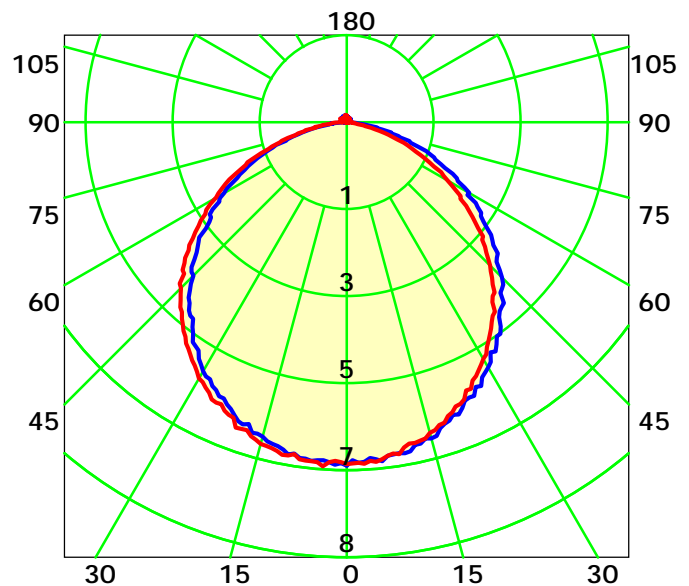
Central Intensity: 7.06 cd

Pos of Max. Intensity: H300 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 107.3° 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

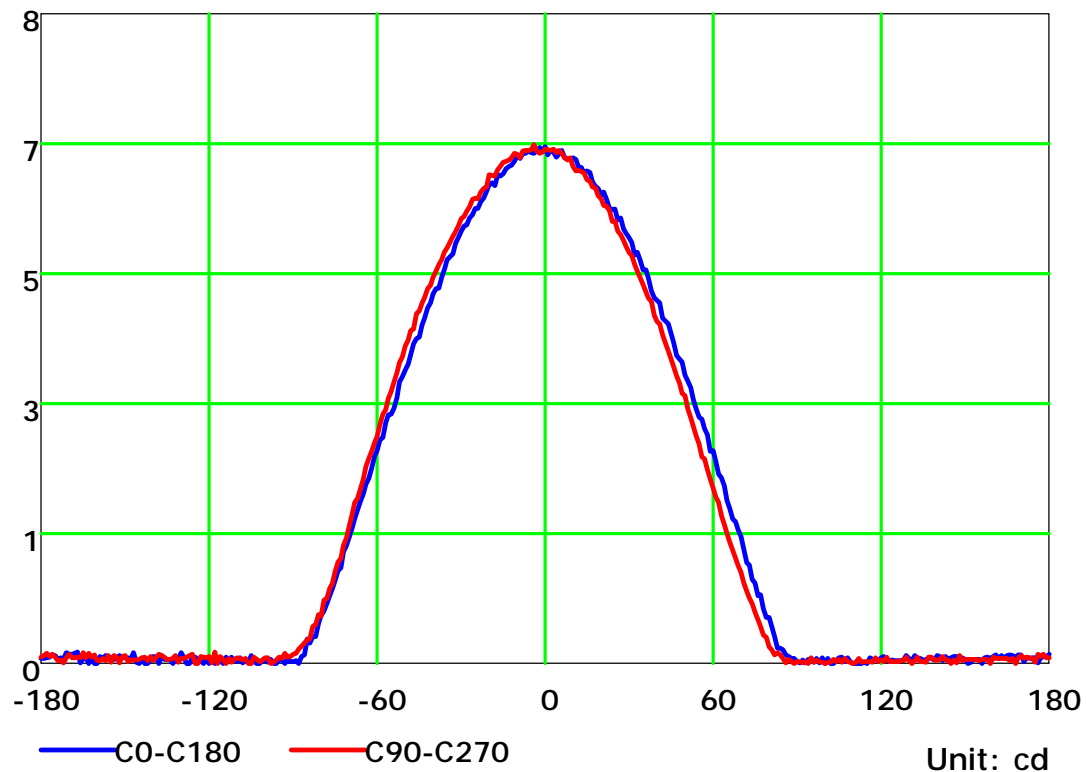
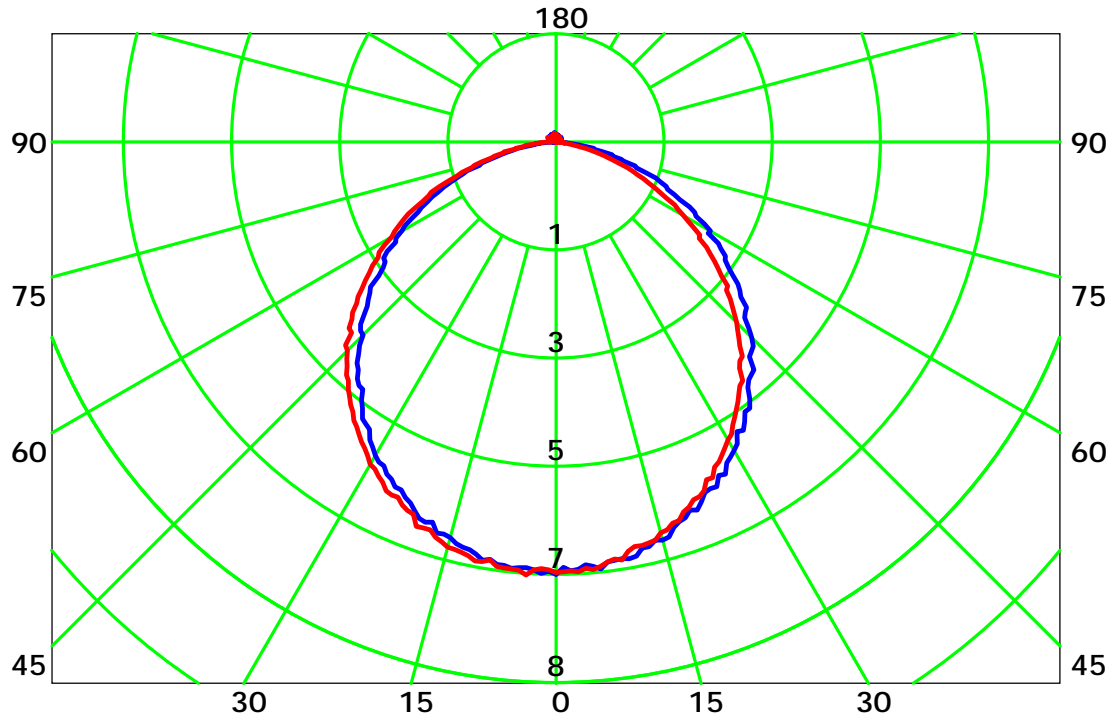
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

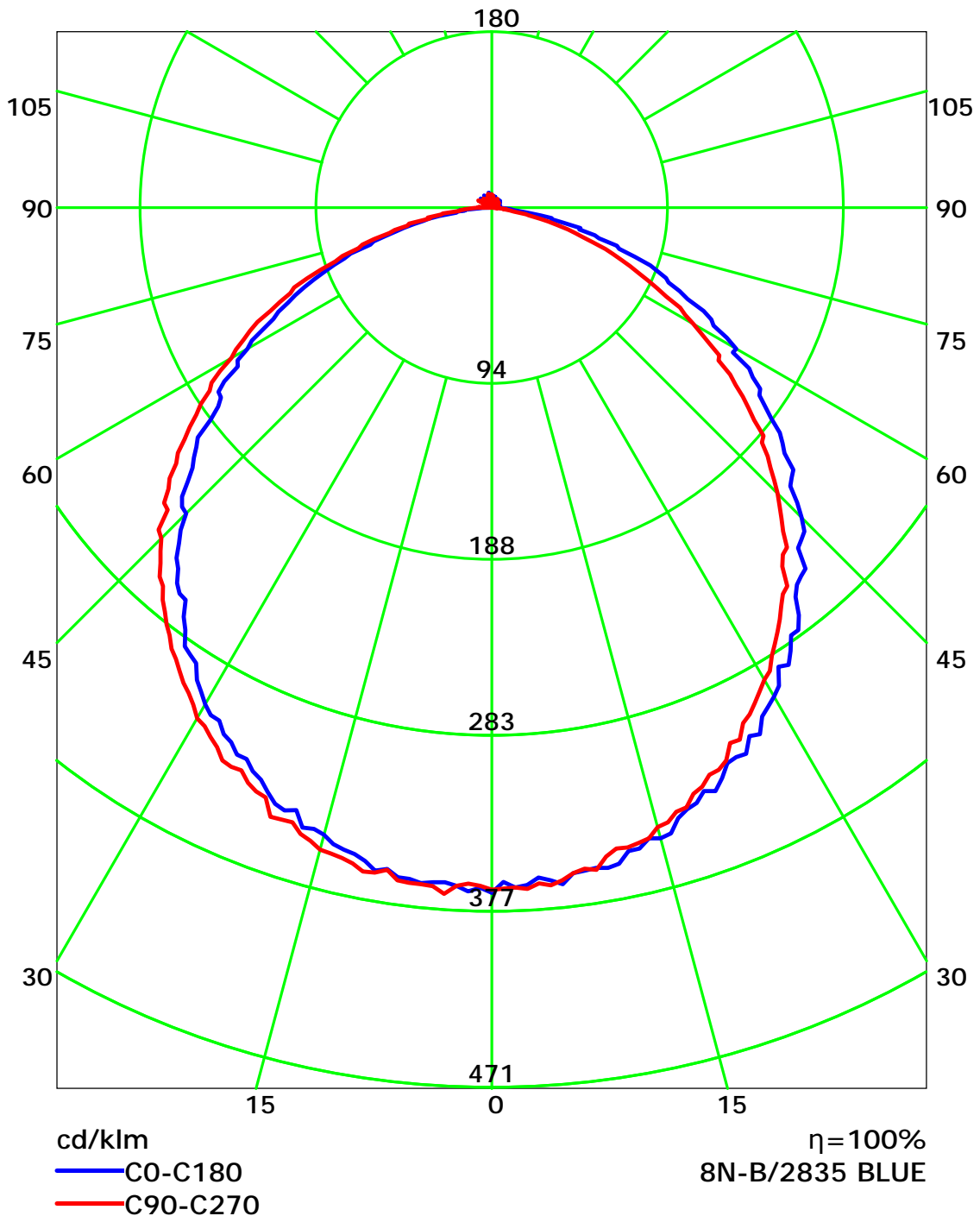
## Luminous Intensity Distribution Curve



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:

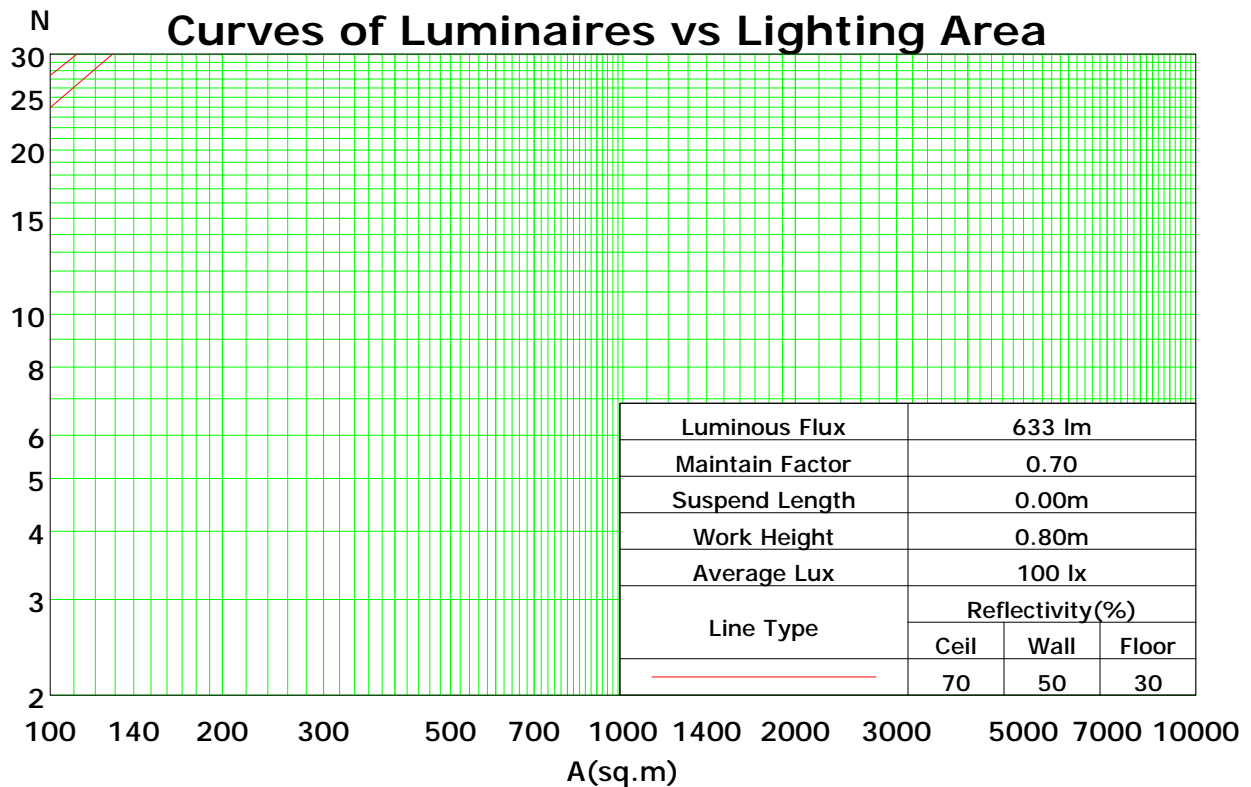
## Coefficients Of Utilization - Zonal Cavity Method

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	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	89	87	85	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	72	67	63	70	65	61	59
4	83	71	63	56	81	70	62	55	67	60	55	65	58	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	71	57	49	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

Spacing Criteria (0-180): 1.23

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

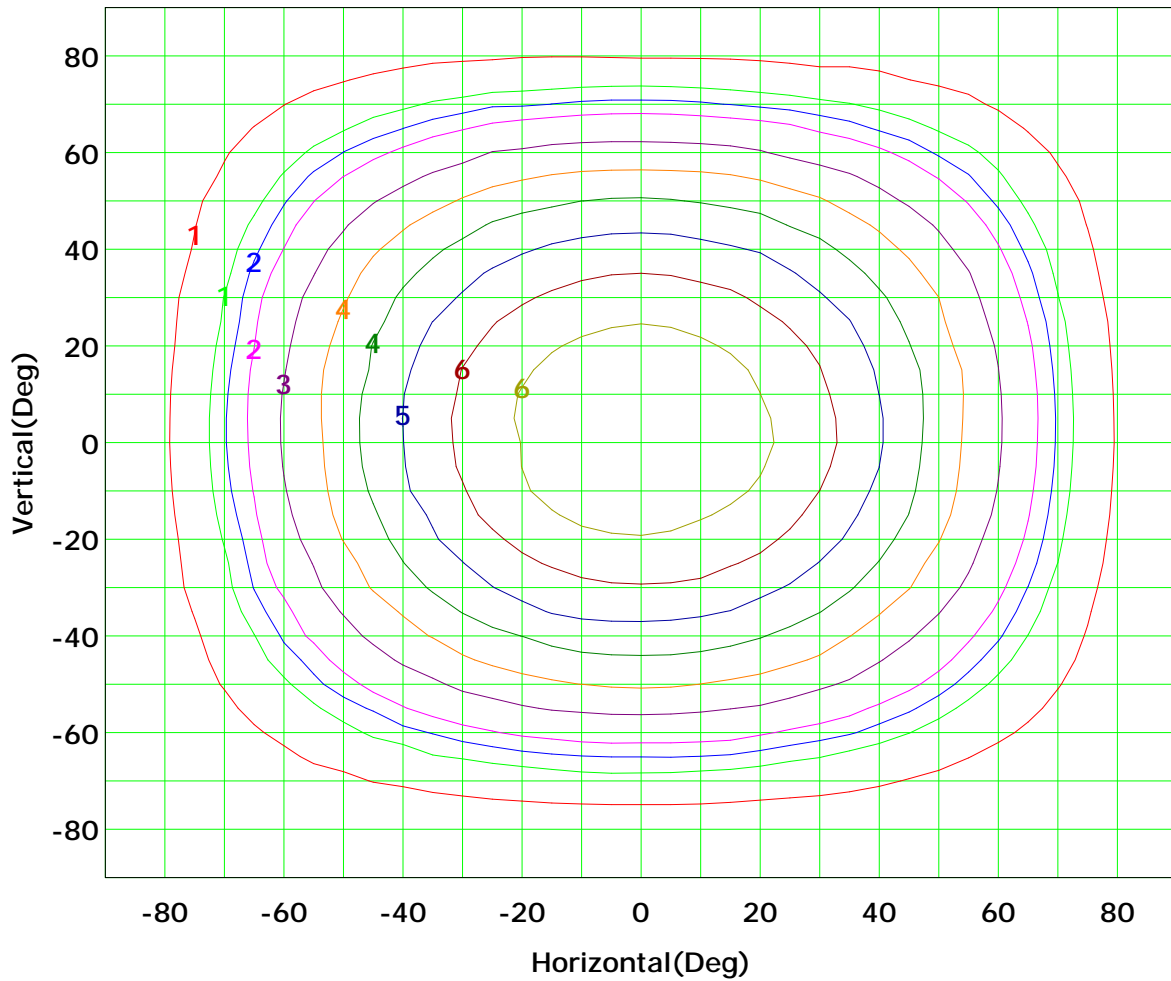
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



I<sub>max</sub> (100%): 7 cd

( 10%):	1 cd	( 20%):	1 cd
( 25%):	2 cd	( 30%):	2 cd
( 40%):	3 cd	( 50%):	4 cd
( 60%):	4 cd	( 70%):	5 cd
( 80%):	6 cd	( 90%):	6 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

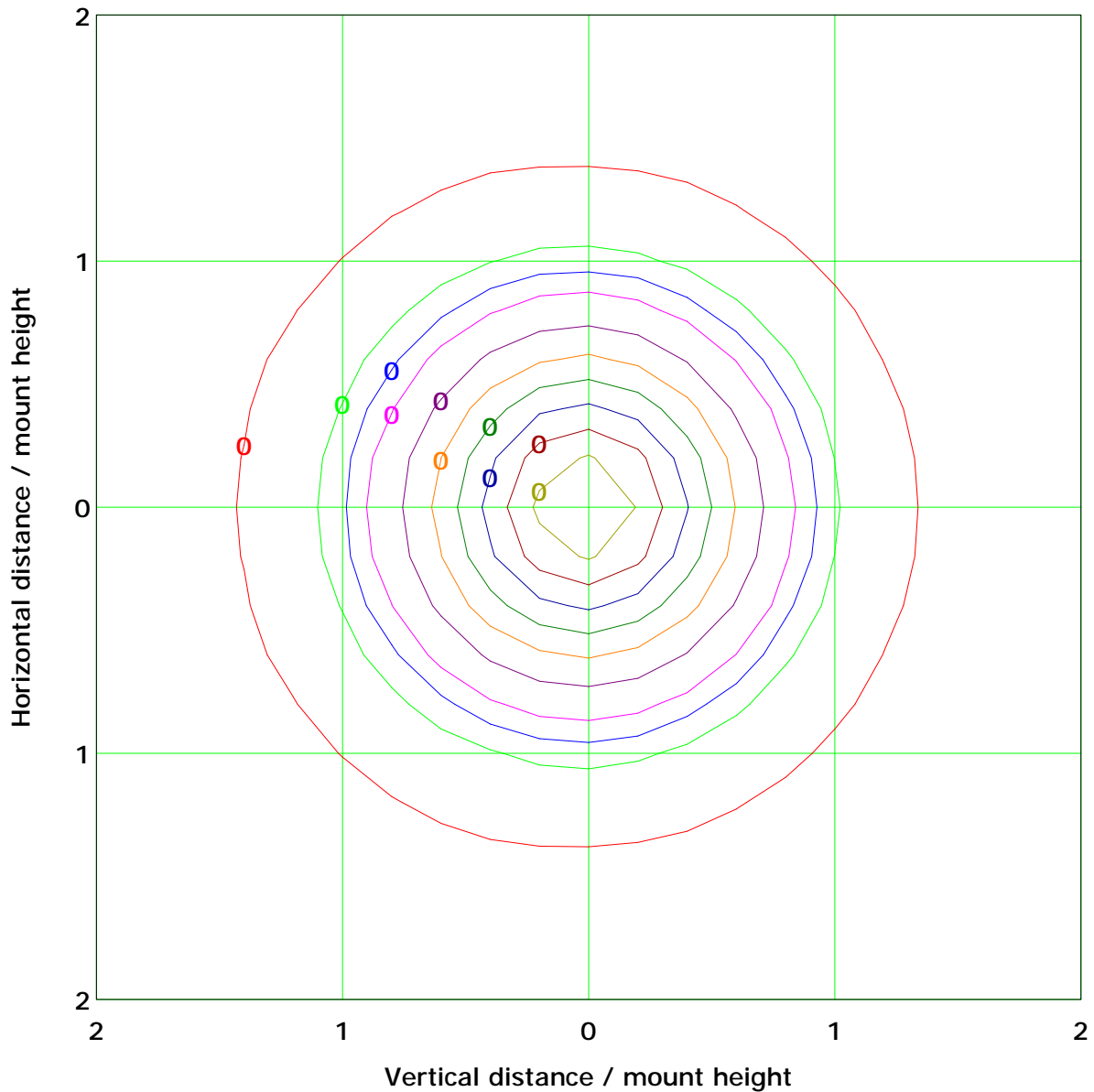
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



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

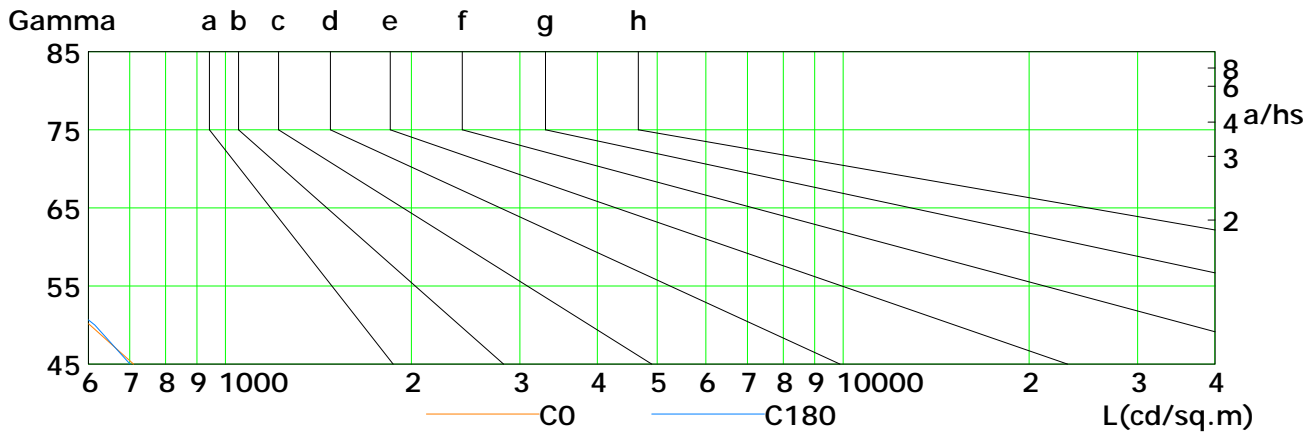
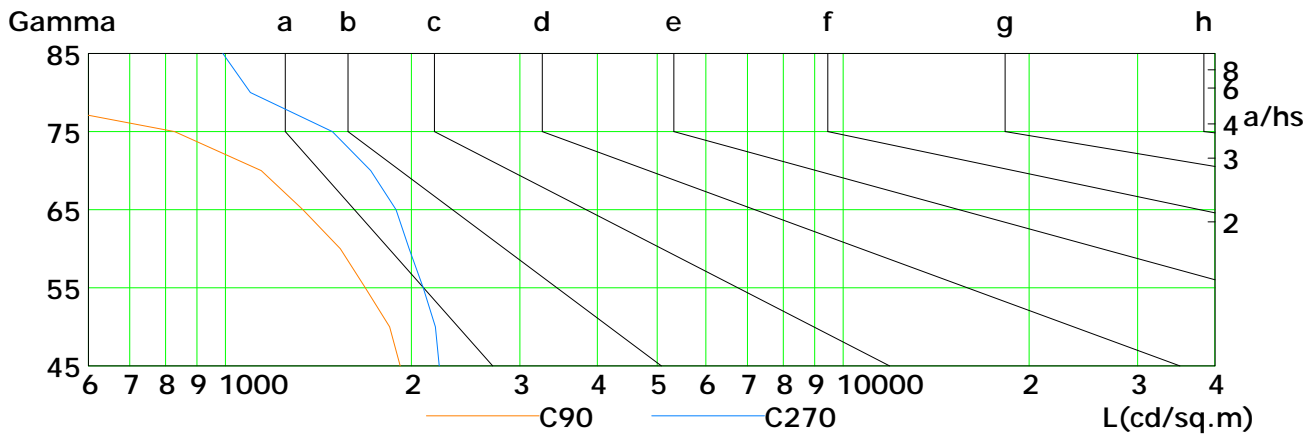
Humidity: 60%

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	710	604	508	435	333	261	167	98	30
C90	1920	1845	1686	1536	1335	1143	827	389	210
C180	701	615	514	435	346	260	173	103	54
C270	2219	2188	2090	1984	1890	1719	1489	1098	990

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

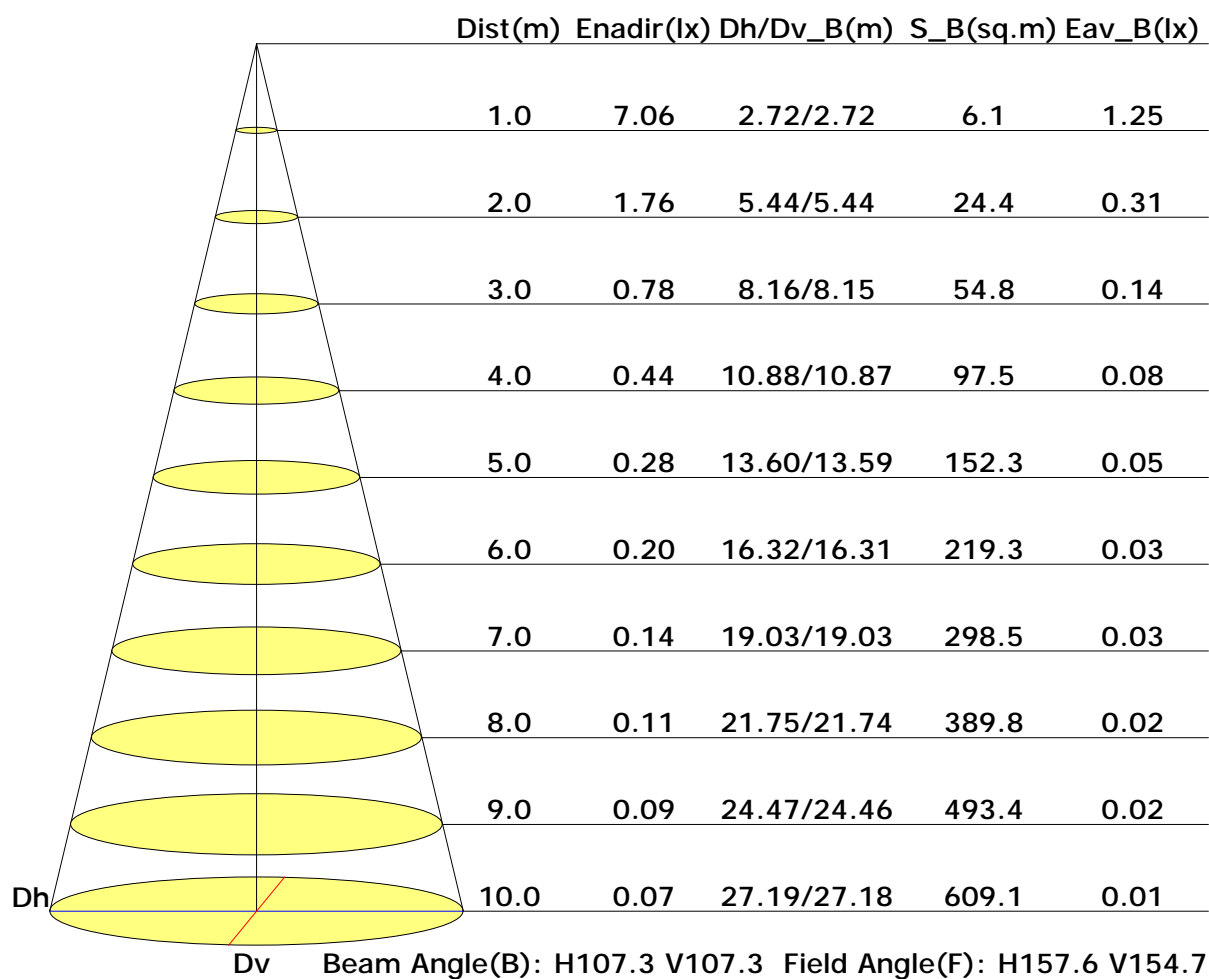
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

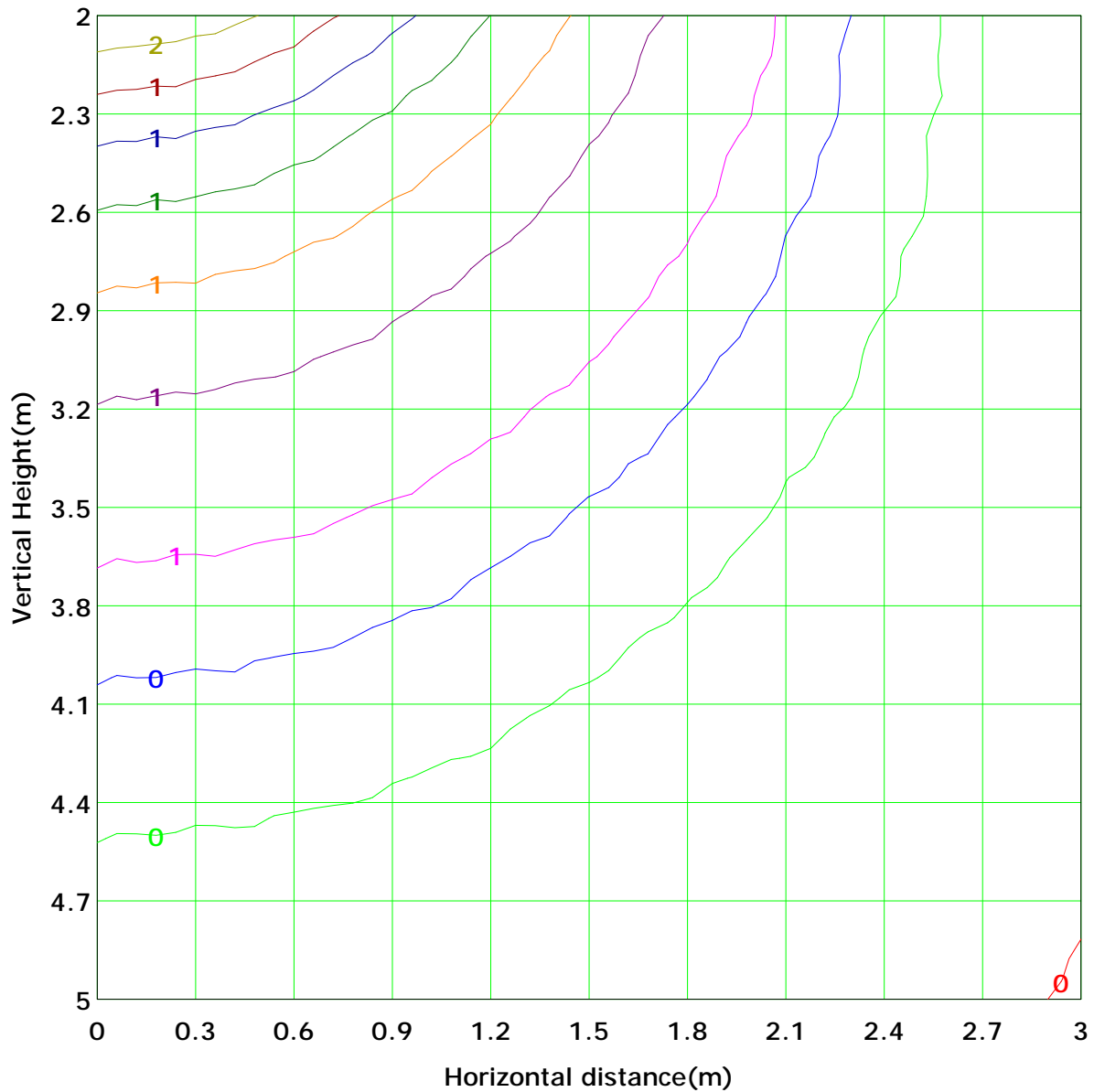
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 1.8 lx
( 10%): 0.2 lx	( 20%): 0.4 lx	( 30%): 0.5 lx
( 25%): 0.4 lx	( 40%): 0.7 lx	( 50%): 0.9 lx
( 60%): 1.1 lx	( 70%): 1.2 lx	( 80%): 1.4 lx
( 90%): 1.6 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	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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
	Flux(T)	0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.2	2.2	2.1	1.8	1.4	1.0	0.6	0.3	0.1	0.0	0.0	19	19
	Flux(E)	0.0	0.1	0.3	0.6	1.0	1.4	1.7	2.0	2.2	2.2	2.0	1.8	1.4	1.0	0.6	0.3	0.1	0.0	0.0	19	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

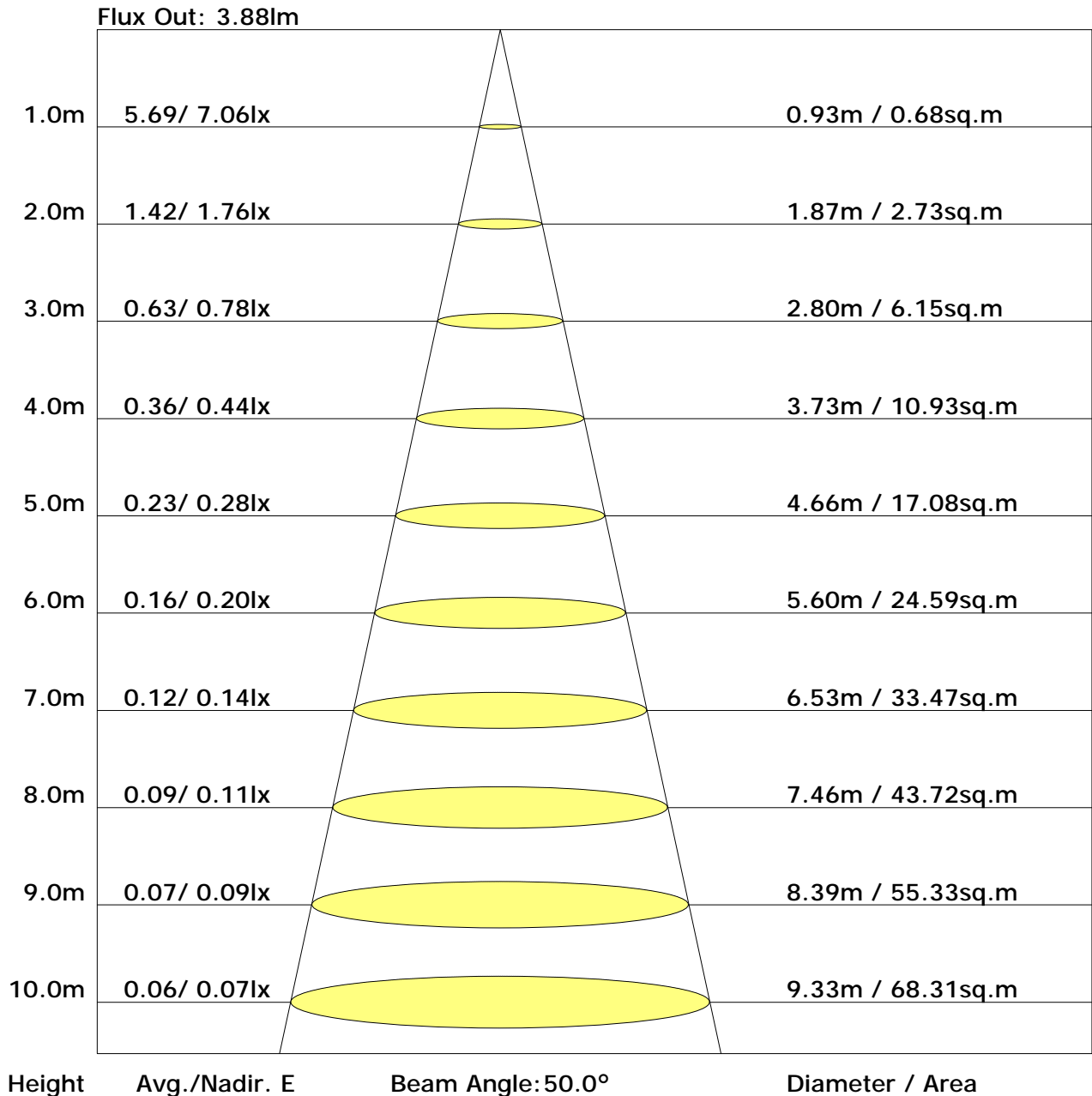
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## 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	22.4	23.9	22.8	24.3	24.7
3H	27.4	28.8	27.8	29.2	29.6	23.3	24.7	23.7	25.0	25.4
4H	27.9	29.2	28.3	29.6	30.0	23.4	24.8	23.9	25.2	25.6
6H	28.2	29.5	28.7	29.9	30.3	23.5	24.7	23.9	25.1	25.5
8H	28.3	29.5	28.8	29.9	30.3	23.4	24.6	23.9	25.0	25.5
12H	28.3	29.4	28.8	29.8	30.3	23.4	24.5	23.9	24.9	25.4
X=4H Y=2H	26.0	27.3	26.4	27.7	28.1	23.0	24.3	23.4	24.7	25.1
3H	27.8	28.9	28.2	29.3	29.7	23.9	25.0	24.4	25.5	25.9
4H	28.3	29.3	28.8	29.8	30.2	24.2	25.2	24.6	25.6	26.1
6H	28.7	29.6	29.2	30.1	30.6	24.2	25.1	24.7	25.6	26.1
8H	28.8	29.6	29.3	30.1	30.6	24.2	25.0	24.7	25.5	26.0
12H	28.8	29.5	29.3	30.0	30.5	24.2	24.9	24.7	25.4	25.9
X=8H Y=4H	28.3	29.2	28.8	29.6	30.1	24.3	25.1	24.8	25.6	26.1
6H	28.7	29.4	29.3	30.0	30.5	24.4	25.0	24.9	25.6	26.1
8H	28.8	29.4	29.4	30.0	30.5	24.4	25.0	24.9	25.5	26.0
12H	28.9	29.4	29.4	29.9	30.5	24.3	24.9	24.9	25.4	26.0
X=12H Y=4H	28.3	29.0	28.8	29.6	30.1	24.3	25.0	24.8	25.6	26.1
6H	28.7	29.3	29.3	29.8	30.4	24.4	25.0	24.9	25.5	26.0
8H	28.8	29.4	29.4	29.9	30.5	24.4	24.9	24.9	25.4	26.0

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	0.68	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	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	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	0.81	0.86	0.89	0.92	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	0.73	0.79	0.82	0.87	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	0.26	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	0.51	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	0.57	0.48	0.41	0.36	0.29	0.24	0.20	0.16	0.13	
<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 = 1.25								
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	0.21	0.22	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	7.0	0.0	0.0	0.03	0.03
1.0-2.0	7.0	0.0	0.0	0.10	0.14
2.0-3.0	7.0	0.0	0.1	0.17	0.31
3.0-4.0	7.0	0.0	0.1	0.24	0.56
4.0-5.0	7.0	0.1	0.2	0.31	0.87
5.0-6.0	7.0	0.1	0.2	0.38	1.25
6.0-7.0	7.0	0.1	0.3	0.45	1.70
7.0-8.0	6.9	0.1	0.4	0.52	2.22
8.0-9.0	6.9	0.1	0.5	0.58	2.80
9.0-10.0	6.9	0.1	0.7	0.65	3.45
10.0-11.0	6.9	0.1	0.8	0.71	4.17
11.0-12.0	6.8	0.1	1.0	0.78	4.95
12.0-13.0	6.8	0.2	1.1	0.84	5.79
13.0-14.0	6.8	0.2	1.3	0.90	6.69
14.0-15.0	6.7	0.2	1.5	0.96	7.65
15.0-16.0	6.7	0.2	1.7	1.02	8.67
16.0-17.0	6.6	0.2	1.9	1.08	9.75
17.0-18.0	6.6	0.2	2.1	1.13	10.88
18.0-19.0	6.5	0.2	2.3	1.19	12.07
19.0-20.0	6.5	0.2	2.6	1.24	13.31
20.0-21.0	6.4	0.2	2.8	1.29	14.59
21.0-22.0	6.4	0.3	3.1	1.34	15.93
22.0-23.0	6.3	0.3	3.3	1.38	17.32
23.0-24.0	6.3	0.3	3.6	1.43	18.74
24.0-25.0	6.2	0.3	3.9	1.47	20.21
25.0-26.0	6.1	0.3	4.2	1.51	21.72
26.0-27.0	6.1	0.3	4.5	1.55	23.27
27.0-28.0	6.0	0.3	4.8	1.59	24.86
28.0-29.0	5.9	0.3	5.1	1.62	26.47
29.0-30.0	5.9	0.3	5.4	1.65	28.12
30.0-31.0	5.8	0.3	5.7	1.68	29.81
31.0-32.0	5.7	0.3	6.1	1.71	31.51
32.0-33.0	5.6	0.3	6.4	1.73	33.24
33.0-34.0	5.6	0.3	6.7	1.75	34.99
34.0-35.0	5.5	0.3	7.1	1.77	36.76
35.0-36.0	5.4	0.3	7.4	1.79	38.55

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 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	5.3	0.3	7.8	1.80	40.35
37.0-38.0	5.2	0.3	8.1	1.81	42.16
38.0-39.0	5.1	0.3	8.5	1.82	43.98
39.0-40.0	5.0	0.4	8.8	1.83	45.80
40.0-41.0	4.9	0.4	9.2	1.83	47.63
41.0-42.0	4.8	0.4	9.5	1.83	49.46
42.0-43.0	4.8	0.4	9.9	1.83	51.30
43.0-44.0	4.7	0.4	10.2	1.83	53.12
44.0-45.0	4.6	0.3	10.6	1.82	54.94
45.0-46.0	4.4	0.3	10.9	1.81	56.76
46.0-47.0	4.3	0.3	11.3	1.80	58.55
47.0-48.0	4.2	0.3	11.6	1.78	60.33
48.0-49.0	4.1	0.3	11.9	1.77	62.11
49.0-50.0	4.0	0.3	12.3	1.75	63.86
50.0-51.0	3.9	0.3	12.6	1.73	65.59
51.0-52.0	3.8	0.3	12.9	1.71	67.29
52.0-53.0	3.7	0.3	13.3	1.68	68.98
53.0-54.0	3.6	0.3	13.6	1.65	70.62
54.0-55.0	3.5	0.3	13.9	1.61	72.23
55.0-56.0	3.4	0.3	14.2	1.58	73.81
56.0-57.0	3.3	0.3	14.5	1.55	75.36
57.0-58.0	3.1	0.3	14.8	1.51	76.87
58.0-59.0	3.0	0.3	15.1	1.47	78.34
59.0-60.0	2.9	0.3	15.3	1.42	79.76
60.0-61.0	2.8	0.3	15.6	1.38	81.14
61.0-62.0	2.7	0.3	15.9	1.34	82.48
62.0-63.0	2.5	0.2	16.1	1.29	83.76
63.0-64.0	2.4	0.2	16.3	1.24	85.00
64.0-65.0	2.3	0.2	16.6	1.19	86.19
65.0-66.0	2.2	0.2	16.8	1.13	87.32
66.0-67.0	2.0	0.2	17.0	1.07	88.39
67.0-68.0	1.9	0.2	17.2	1.02	89.41
68.0-69.0	1.8	0.2	17.4	0.96	90.37
69.0-70.0	1.7	0.2	17.5	0.91	91.28
70.0-71.0	1.6	0.2	17.7	0.84	92.12
71.0-72.0	1.4	0.1	17.9	0.78	92.90

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	1.3	0.1	18.0	0.72	93.62
73.0-74.0	1.2	0.1	18.1	0.66	94.28
74.0-75.0	1.1	0.1	18.2	0.61	94.89
75.0-76.0	1.0	0.1	18.3	0.55	95.43
76.0-77.0	0.9	0.1	18.4	0.49	95.92
77.0-78.0	0.8	0.1	18.5	0.43	96.35
78.0-79.0	0.7	0.1	18.6	0.38	96.73
79.0-80.0	0.6	0.1	18.7	0.32	97.05
80.0-81.0	0.5	0.1	18.7	0.27	97.32
81.0-82.0	0.4	0.0	18.7	0.23	97.55
82.0-83.0	0.3	0.0	18.8	0.18	97.74
83.0-84.0	0.3	0.0	18.8	0.14	97.88
84.0-85.0	0.2	0.0	18.8	0.12	98.00
85.0-86.0	0.2	0.0	18.9	0.09	98.09
86.0-87.0	0.1	0.0	18.9	0.07	98.16
87.0-88.0	0.1	0.0	18.9	0.05	98.22
88.0-89.0	0.1	0.0	18.9	0.04	98.26
89.0-90.0	0.1	0.0	18.9	0.03	98.29
90.0-91.0	0.1	0.0	18.9	0.03	98.32
91.0-92.0	0.0	0.0	18.9	0.02	98.34
92.0-93.0	0.0	0.0	18.9	0.02	98.37
93.0-94.0	0.0	0.0	18.9	0.03	98.39
94.0-95.0	0.0	0.0	18.9	0.03	98.42
95.0-96.0	0.0	0.0	18.9	0.02	98.44
96.0-97.0	0.0	0.0	18.9	0.02	98.46
97.0-98.0	0.0	0.0	18.9	0.02	98.49
98.0-99.0	0.0	0.0	18.9	0.02	98.51
99.0-100.0	0.0	0.0	18.9	0.02	98.53
100.0-101.0	0.0	0.0	18.9	0.03	98.55
101.0-102.0	0.0	0.0	18.9	0.02	98.58
102.0-103.0	0.0	0.0	18.9	0.02	98.59
103.0-104.0	0.0	0.0	19.0	0.03	98.62
104.0-105.0	0.0	0.0	19.0	0.03	98.65
105.0-106.0	0.0	0.0	19.0	0.02	98.67
106.0-107.0	0.0	0.0	19.0	0.02	98.69
107.0-108.0	0.0	0.0	19.0	0.02	98.71

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	0.0	0.0	19.0	0.02	98.73
109.0-110.0	0.0	0.0	19.0	0.02	98.75
110.0-111.0	0.0	0.0	19.0	0.02	98.77
111.0-112.0	0.0	0.0	19.0	0.02	98.79
112.0-113.0	0.0	0.0	19.0	0.02	98.81
113.0-114.0	0.0	0.0	19.0	0.02	98.83
114.0-115.0	0.0	0.0	19.0	0.02	98.85
115.0-116.0	0.0	0.0	19.0	0.02	98.87
116.0-117.0	0.0	0.0	19.0	0.02	98.89
117.0-118.0	0.0	0.0	19.0	0.02	98.91
118.0-119.0	0.0	0.0	19.0	0.02	98.94
119.0-120.0	0.0	0.0	19.0	0.02	98.96
120.0-121.0	0.1	0.0	19.0	0.02	98.98
121.0-122.0	0.1	0.0	19.0	0.03	99.01
122.0-123.0	0.1	0.0	19.0	0.03	99.03
123.0-124.0	0.1	0.0	19.0	0.03	99.06
124.0-125.0	0.0	0.0	19.0	0.02	99.08
125.0-126.0	0.1	0.0	19.0	0.02	99.11
126.0-127.0	0.1	0.0	19.1	0.03	99.14
127.0-128.0	0.1	0.0	19.1	0.02	99.16
128.0-129.0	0.1	0.0	19.1	0.03	99.18
129.0-130.0	0.1	0.0	19.1	0.03	99.21
130.0-131.0	0.1	0.0	19.1	0.02	99.24
131.0-132.0	0.1	0.0	19.1	0.03	99.26
132.0-133.0	0.1	0.0	19.1	0.03	99.29
133.0-134.0	0.1	0.0	19.1	0.03	99.31
134.0-135.0	0.1	0.0	19.1	0.03	99.34
135.0-136.0	0.1	0.0	19.1	0.02	99.37
136.0-137.0	0.1	0.0	19.1	0.02	99.39
137.0-138.0	0.1	0.0	19.1	0.03	99.42
138.0-139.0	0.1	0.0	19.1	0.03	99.44
139.0-140.0	0.1	0.0	19.1	0.03	99.47
140.0-141.0	0.1	0.0	19.1	0.03	99.50
141.0-142.0	0.1	0.0	19.1	0.02	99.52
142.0-143.0	0.1	0.0	19.1	0.02	99.54
143.0-144.0	0.1	0.0	19.1	0.02	99.56

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	0.1	0.0	19.1	0.02	99.58
145.0-146.0	0.1	0.0	19.1	0.02	99.60
146.0-147.0	0.1	0.0	19.1	0.02	99.62
147.0-148.0	0.1	0.0	19.1	0.02	99.64
148.0-149.0	0.1	0.0	19.2	0.02	99.66
149.0-150.0	0.1	0.0	19.2	0.02	99.68
150.0-151.0	0.1	0.0	19.2	0.02	99.70
151.0-152.0	0.1	0.0	19.2	0.02	99.71
152.0-153.0	0.1	0.0	19.2	0.02	99.73
153.0-154.0	0.1	0.0	19.2	0.02	99.75
154.0-155.0	0.1	0.0	19.2	0.02	99.77
155.0-156.0	0.1	0.0	19.2	0.02	99.78
156.0-157.0	0.1	0.0	19.2	0.02	99.80
157.0-158.0	0.1	0.0	19.2	0.02	99.81
158.0-159.0	0.1	0.0	19.2	0.01	99.83
159.0-160.0	0.1	0.0	19.2	0.01	99.84
160.0-161.0	0.1	0.0	19.2	0.01	99.86
161.0-162.0	0.1	0.0	19.2	0.01	99.87
162.0-163.0	0.1	0.0	19.2	0.01	99.88
163.0-164.0	0.1	0.0	19.2	0.01	99.90
164.0-165.0	0.1	0.0	19.2	0.01	99.91
165.0-166.0	0.1	0.0	19.2	0.01	99.92
166.0-167.0	0.1	0.0	19.2	0.01	99.93
167.0-168.0	0.1	0.0	19.2	0.01	99.94
168.0-169.0	0.1	0.0	19.2	0.01	99.95
169.0-170.0	0.1	0.0	19.2	0.01	99.96
170.0-171.0	0.1	0.0	19.2	0.01	99.97
171.0-172.0	0.1	0.0	19.2	0.01	99.97
172.0-173.0	0.1	0.0	19.2	0.01	99.98
173.0-174.0	0.1	0.0	19.2	0.00	99.99
174.0-175.0	0.1	0.0	19.2	0.00	99.99
175.0-176.0	0.1	0.0	19.2	0.00	99.99
176.0-177.0	0.1	0.0	19.2	0.00	100.00
177.0-178.0	0.1	0.0	19.2	0.00	100.00
178.0-179.0	0.1	0.0	19.2	0.00	100.00
179.0-180.0	0.1	0.0	19.2	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: