

Report No.:

Test Time: 2020/11/18 14:26

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour 3.0

Luminaire Description: NEON+RB0RGB203.0RGB-9N-RED

Lamp Catalog: 9N-R

Number of Lamps: 126

Luminous Width (mm): 8

Voltage: 24.0 V

Power: 1.52 W

Lamp Description: 3528 RGB

Luminous Length (mm): 500

Luminous Height (mm): 12

Current: 0.063 A

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 11.2 lm

Downward Ratio: 76%

Horizontal Diffuse Angle(10%,50%): H163.2,H106

Vertical Diffuse Angle(10%,50%): V274,V174.4

Luminaire Efficacy Rating (LER): 7

Max. Intensity: 2.99 cd

Total Rated Lamp Lumens: 11.2 lm

Efficiency: 100%

Upward Ratio: 24%

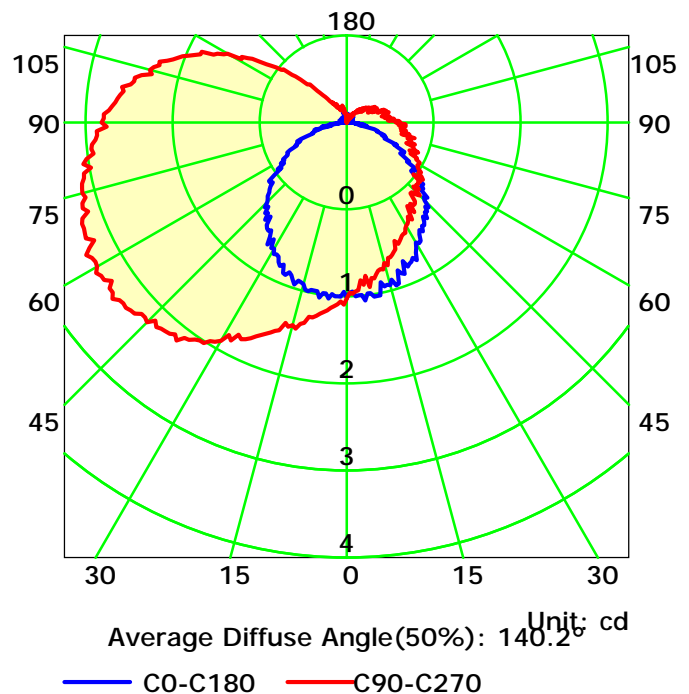
Central Intensity: 1.78 cd

Pos of Max. Intensity: H270 V53

Picture Of Luminaire



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

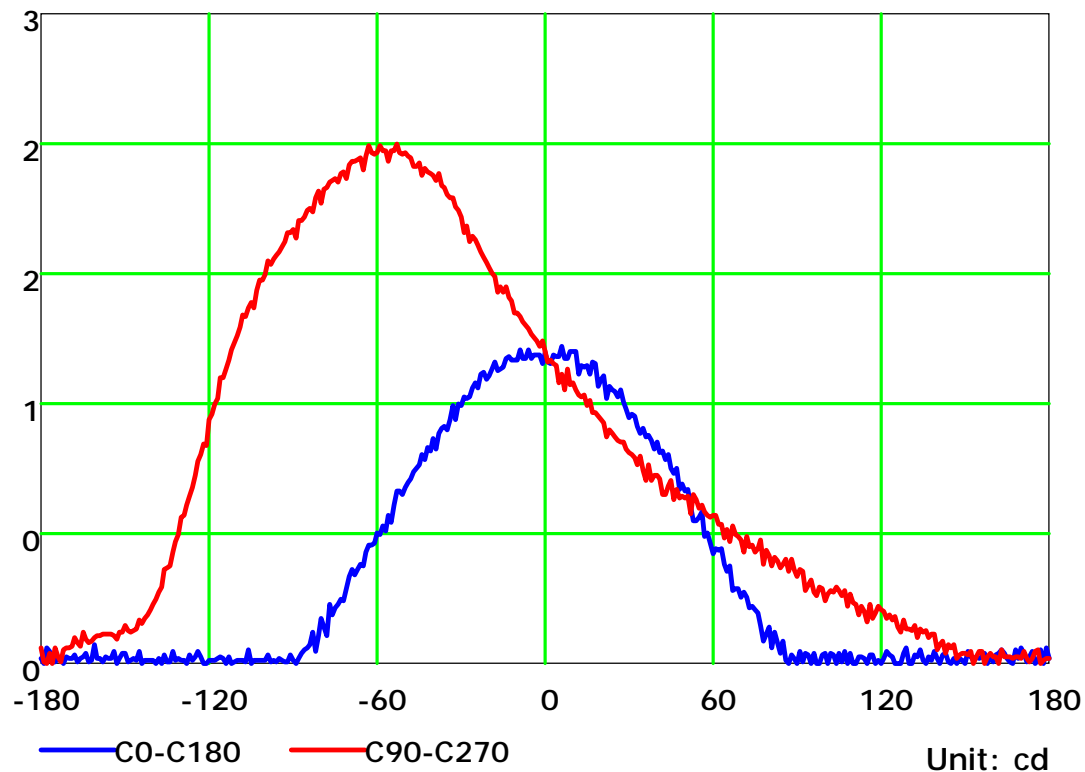
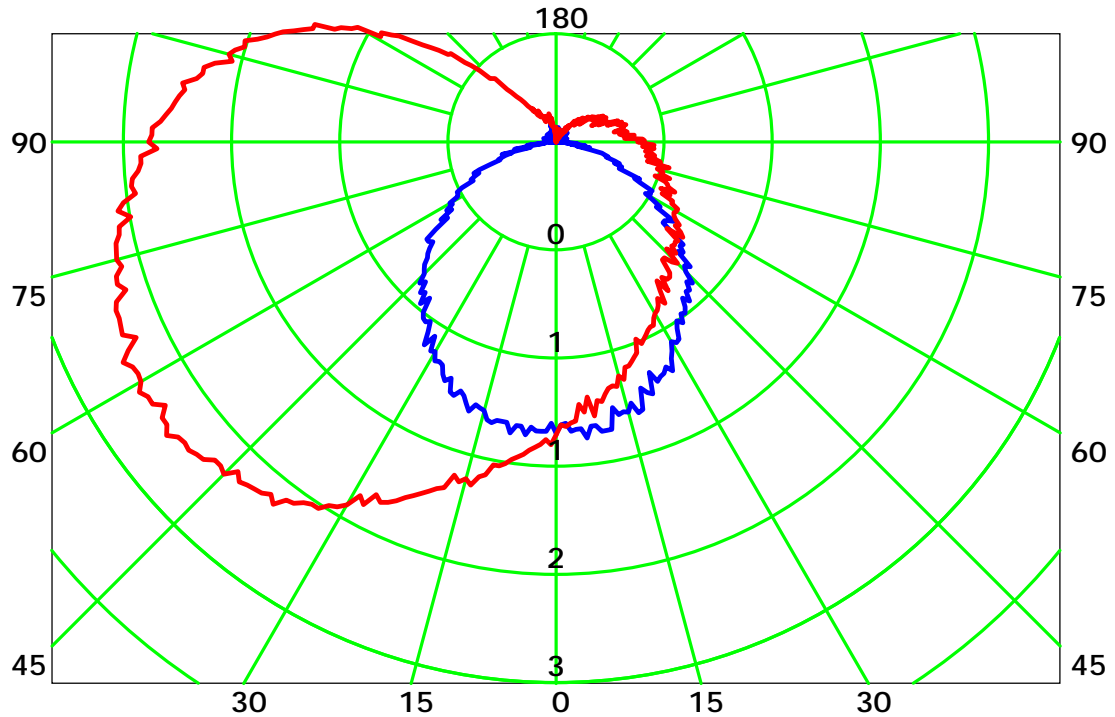
Distance: 9.028 m

Humidity: 60%

Inspector:



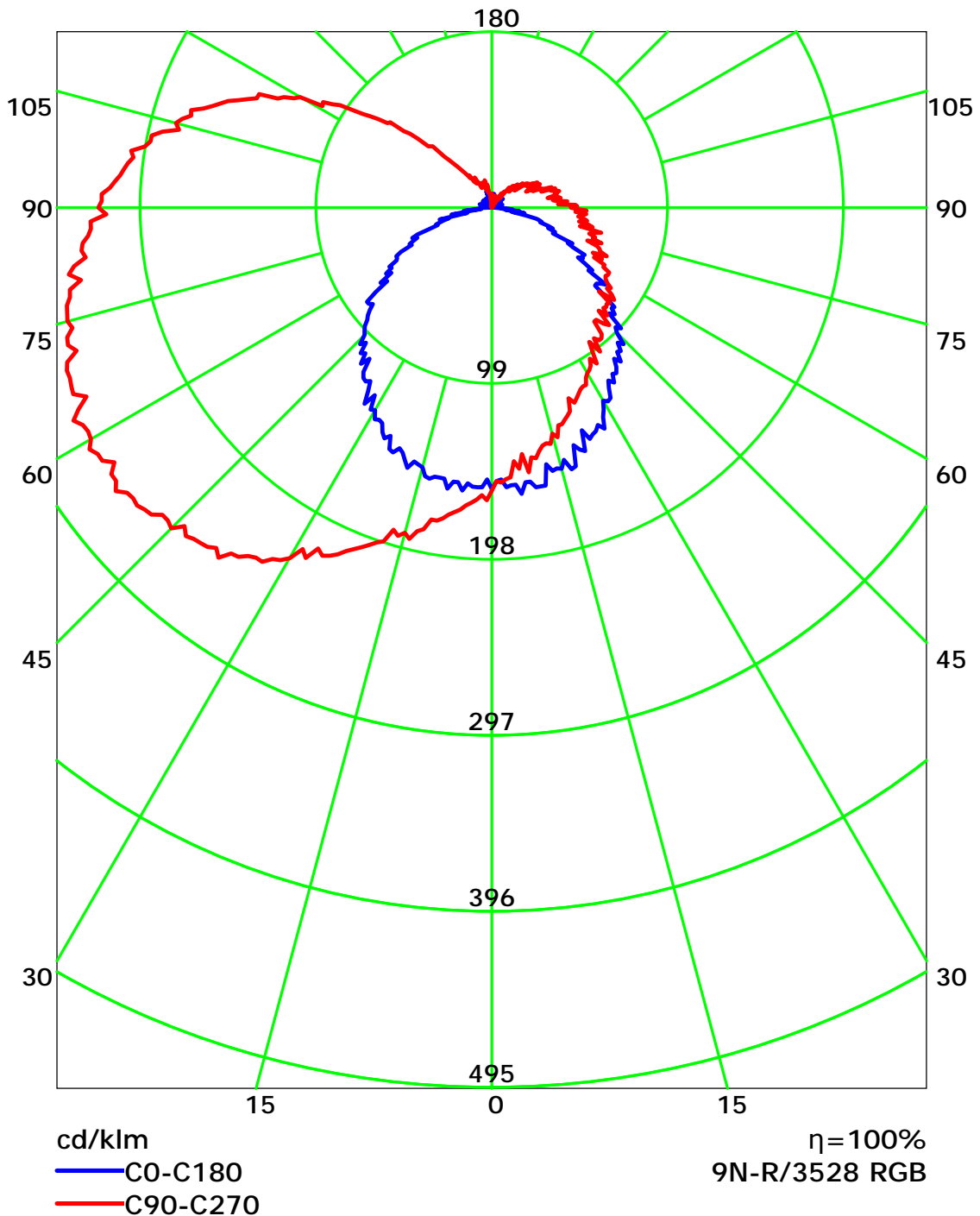
## Luminous Intensity Distribution Curve



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:

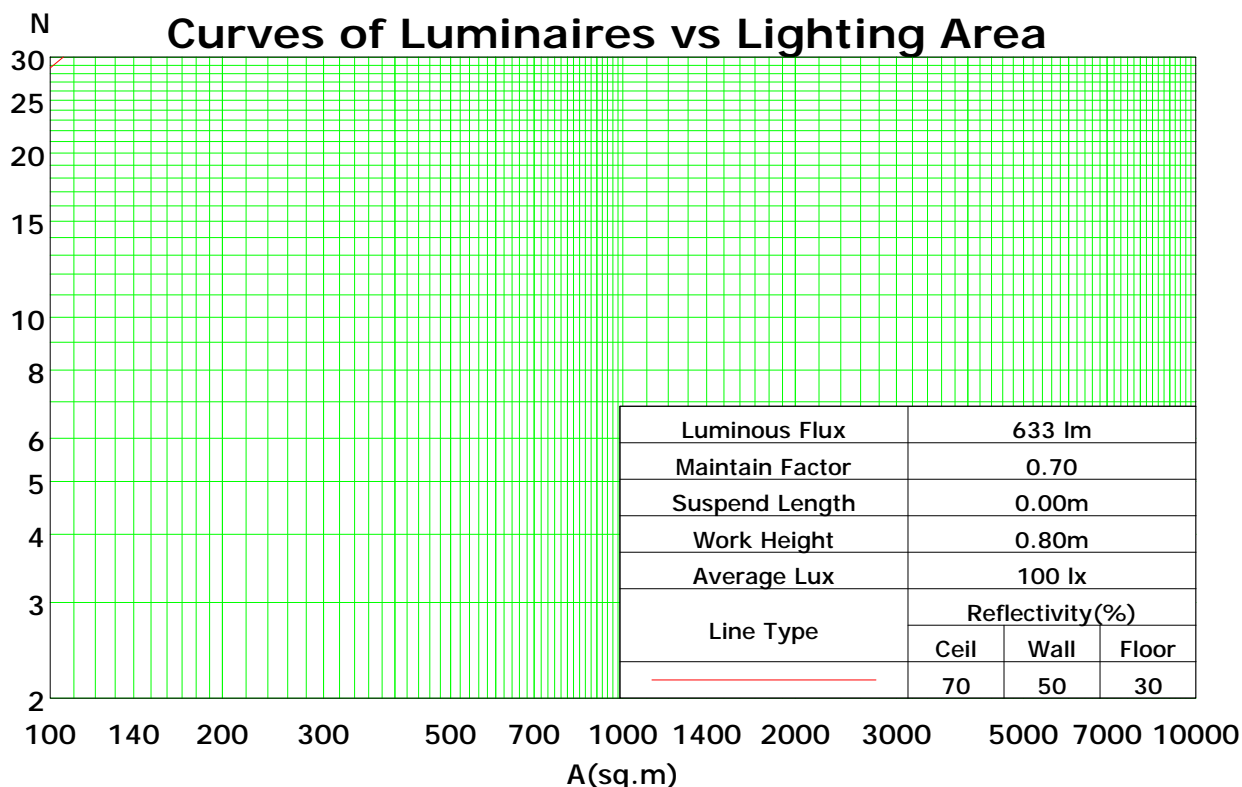
## Coefficients Of Utilization - Zonal Cavity Method

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	113	113	113	113	108	108	108	108	98	98	98	88	88	88	80	80	80	76
1	99	93	87	82	94	88	83	78	79	75	71	71	68	65	64	61	59	55
2	88	78	70	63	83	74	67	61	67	61	55	60	55	51	53	49	46	42
3	80	68	58	51	75	64	56	49	58	51	45	52	46	41	46	41	37	34
4	72	59	49	42	68	56	47	40	50	43	37	45	39	34	40	35	31	28
5	66	52	42	35	62	50	41	34	45	37	31	40	34	29	36	31	26	23
6	61	47	37	30	57	44	35	29	40	32	27	36	30	25	32	27	23	20
7	56	42	33	26	53	40	31	25	36	29	23	33	26	22	29	24	20	17
8	52	38	29	23	49	36	28	22	33	26	21	30	24	19	27	21	18	15
9	48	35	26	20	46	33	25	20	30	23	18	27	21	17	25	19	16	14
10	45	32	24	18	43	30	23	18	28	21	16	25	19	15	23	18	14	12

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 1.64

Spacing Criteria (Diagonal): 1.60



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

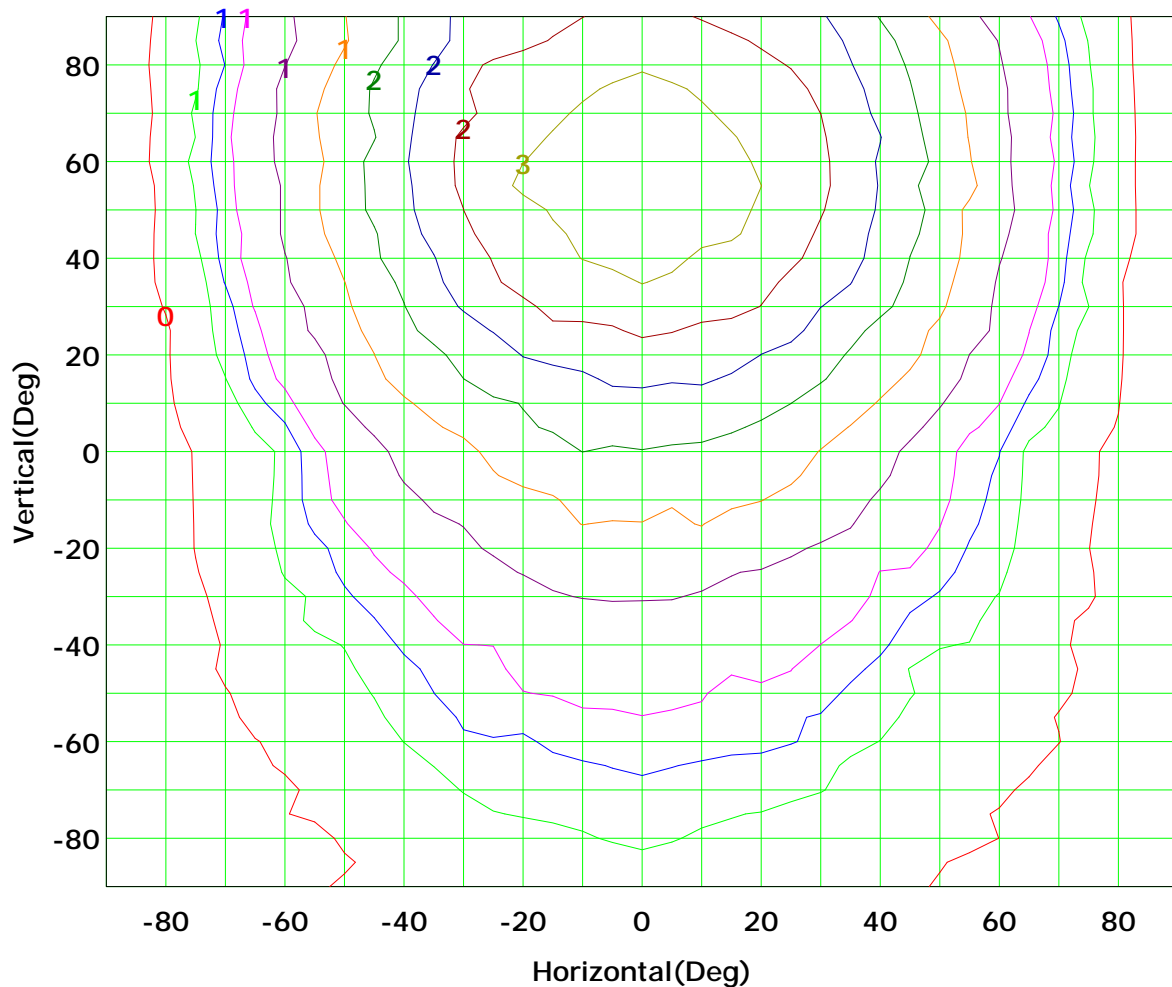
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 3 cd

( 10%):	0 cd	( 20%):	1 cd
( 25%):	1 cd	( 30%):	1 cd
( 40%):	1 cd	( 50%):	1 cd
( 60%):	2 cd	( 70%):	2 cd
( 80%):	2 cd	( 90%):	3 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

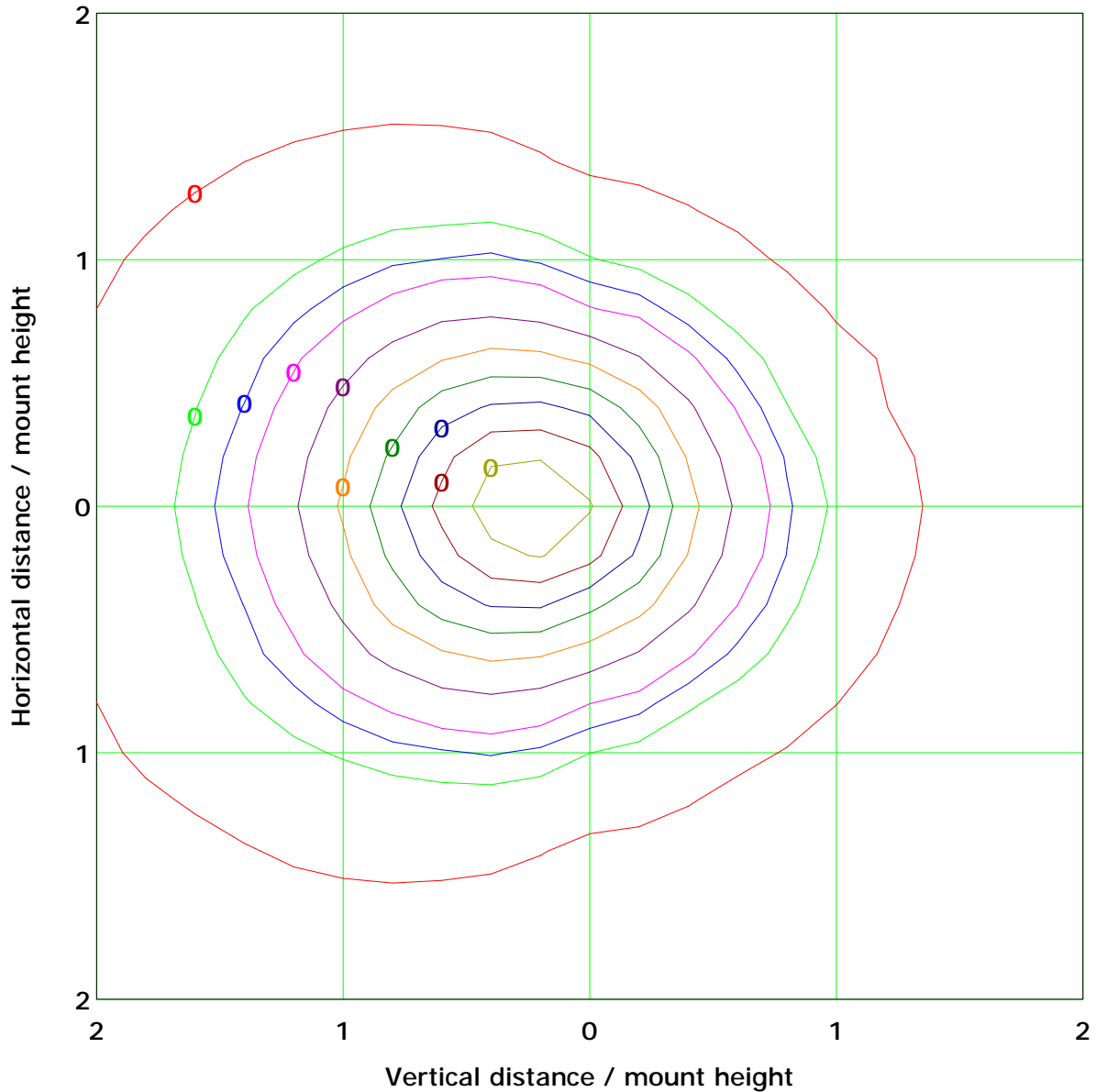
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 0.1 lx

( 10%): 0.0 lx	( 20%): 0.0 lx
( 25%): 0.0 lx	( 30%): 0.0 lx
( 40%): 0.0 lx	( 50%): 0.0 lx
( 60%): 0.0 lx	( 70%): 0.1 lx
( 80%): 0.1 lx	( 90%): 0.1 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

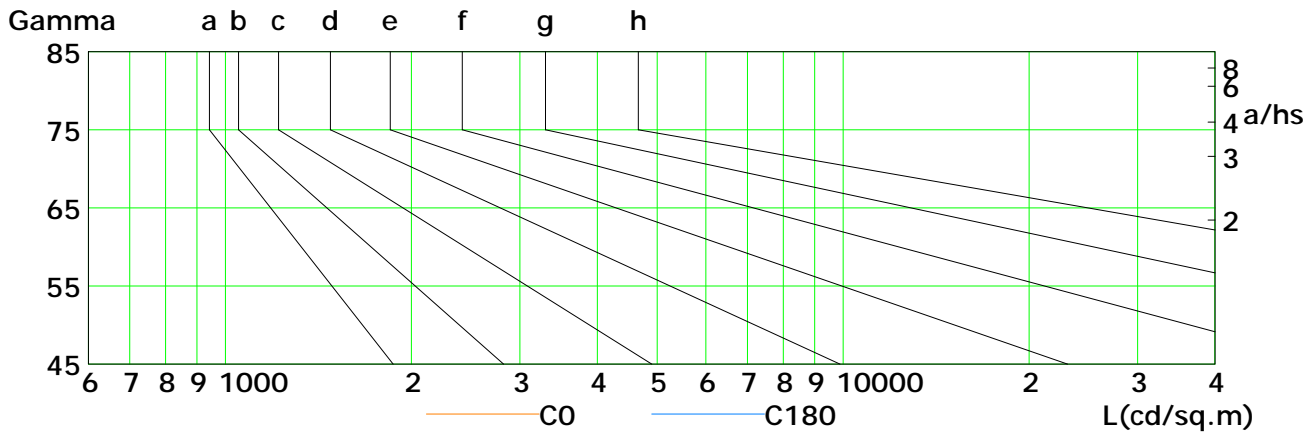
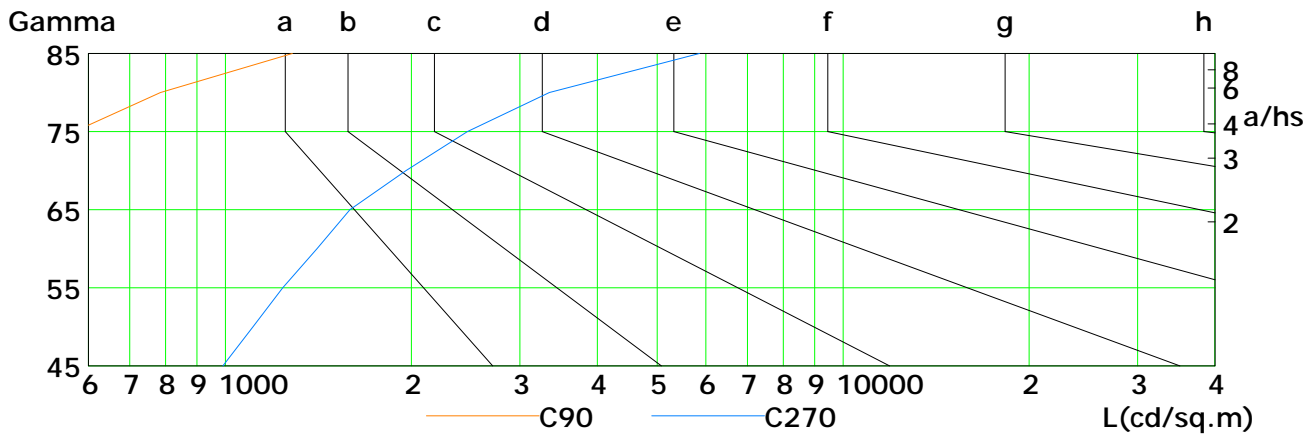
Humidity: 60%

Inspector:

## 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	158	138	117	88	74	54	45	32	21
C90	363	359	375	408	433	487	567	786	1283
C180	161	141	112	104	79	71	47	39	14
C270	991	1108	1239	1407	1592	1961	2465	3345	5852

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

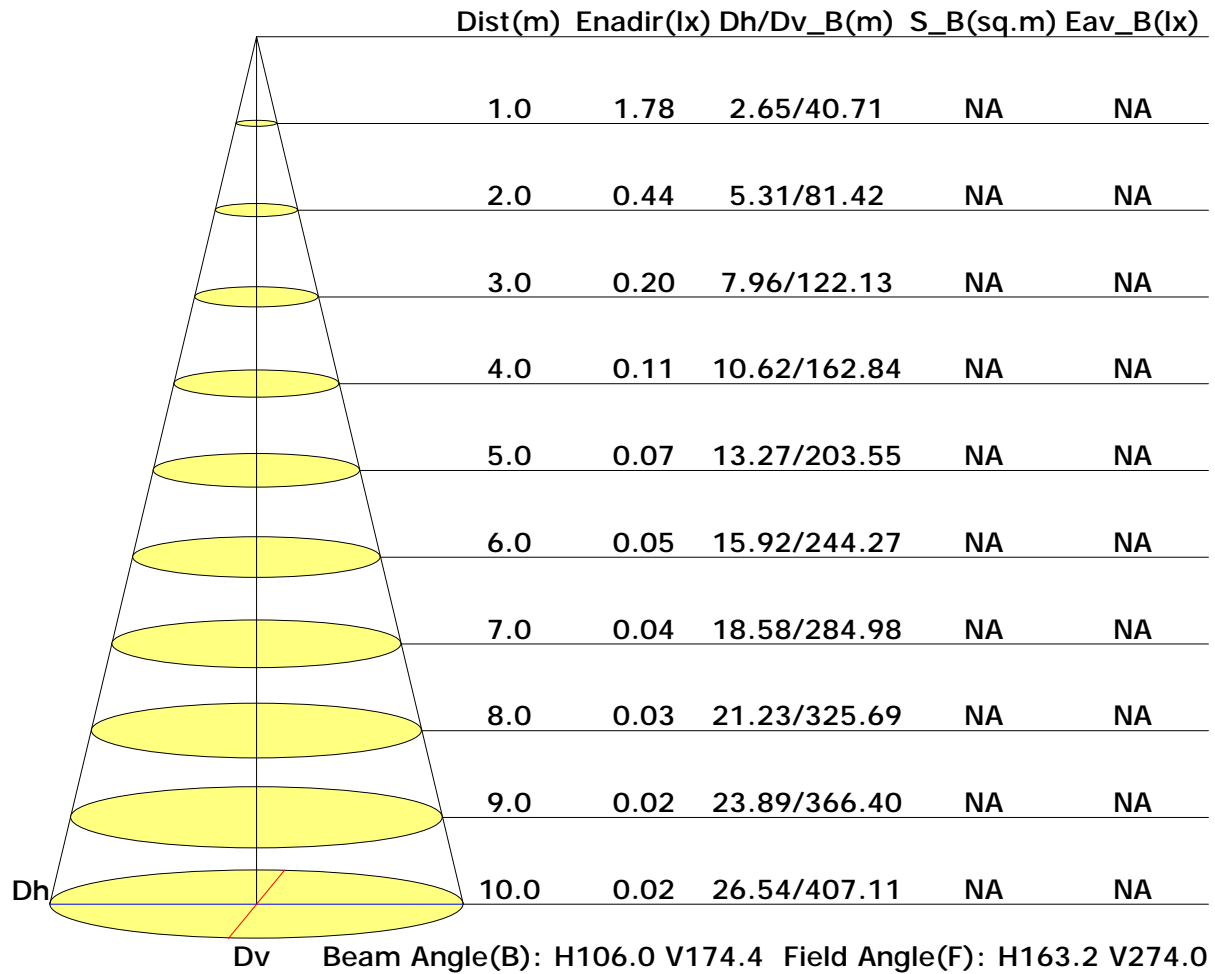
Test Device: GPM-1800B

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

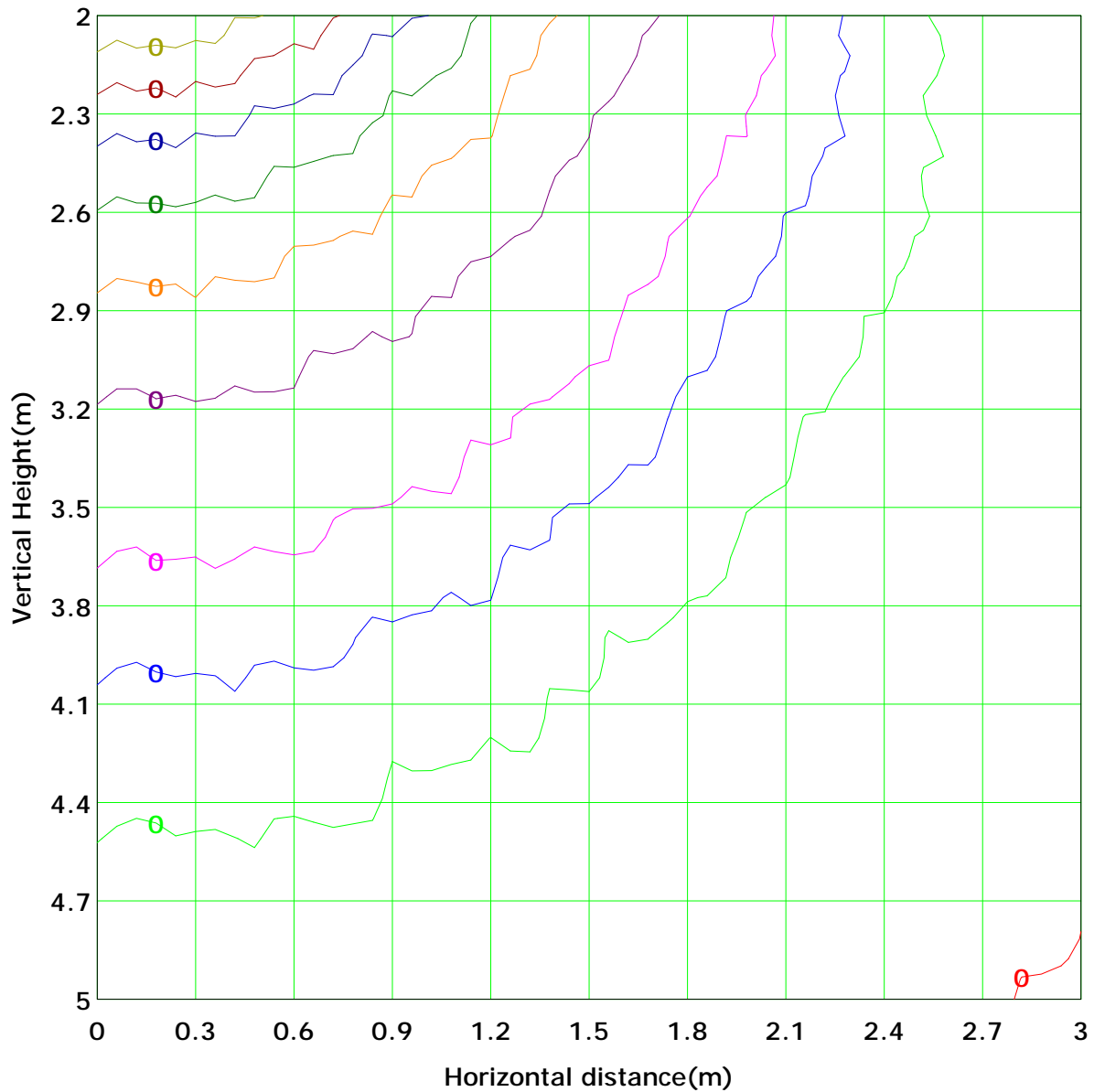
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



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	0.1	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	0.2	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	0.3	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	0.5	0.0
	-40	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.6	0.0
	-30	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.0
	-20	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	0.1	0.1	0.1	0.1	0.1	0.1	0.9	0.0
	-10	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	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.0
	0	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	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.0
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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	0.5	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	0.3	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	0.2	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	0.1	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)Flux(E)		
																				9		
																				8		

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

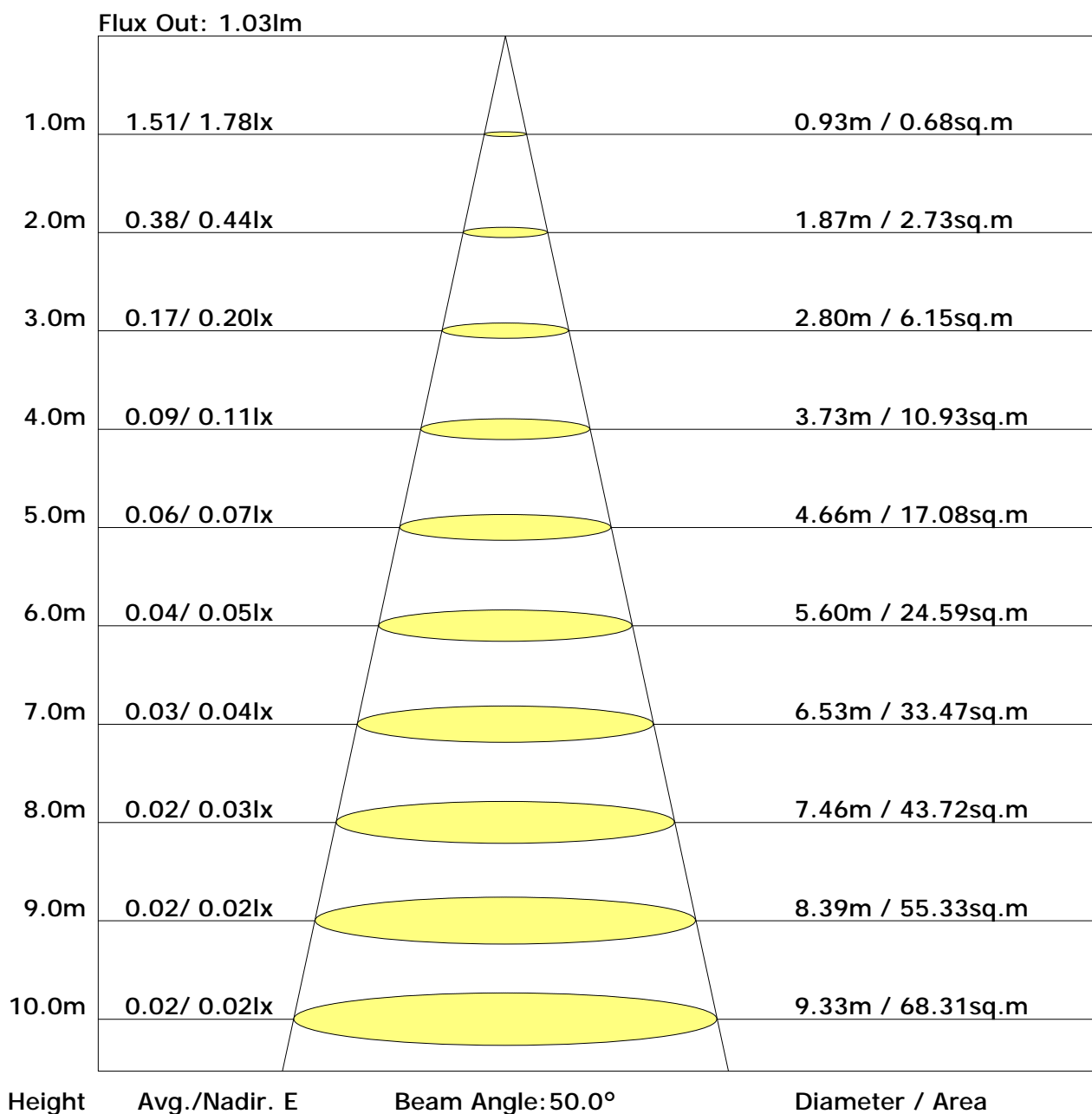
Test Device: GPM-1800B

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	20.3	21.6	21.0	22.3	23.2	16.5	17.8	17.2	18.6	19.4
3H	22.2	23.4	22.9	24.1	25.0	18.8	20.0	19.4	20.7	21.6
4H	23.0	24.1	23.7	24.9	25.7	19.8	20.9	20.5	21.7	22.5
6H	23.5	24.6	24.2	25.3	26.2	20.8	21.9	21.5	22.6	23.5
8H	23.7	24.7	24.4	25.5	26.4	21.2	22.3	22.0	23.0	23.9
12H	23.8	24.8	24.6	25.6	26.5	21.7	22.7	22.4	23.4	24.4
X=4H Y=2H	21.6	22.7	22.3	23.5	24.3	17.1	18.3	17.8	19.0	19.9
3H	23.8	24.8	24.5	25.6	26.5	19.7	20.7	20.4	21.4	22.3
4H	24.8	25.7	25.5	26.5	27.4	20.8	21.8	21.5	22.5	23.4
6H	25.5	26.4	26.3	27.1	28.1	22.0	22.8	22.7	23.6	24.5
8H	25.8	26.6	26.6	27.4	28.3	22.5	23.3	23.3	24.1	25.1
12H	26.0	26.8	26.8	27.6	28.5	23.1	23.8	23.9	24.6	25.6
X=8H Y=4H	25.8	26.6	26.5	27.4	28.3	21.1	21.9	21.9	22.7	23.7
6H	26.9	27.6	27.7	28.4	29.3	22.5	23.2	23.3	24.0	25.0
8H	27.4	28.0	28.2	28.8	29.8	23.3	23.9	24.1	24.7	25.7
12H	27.8	28.3	28.6	29.2	30.2	24.0	24.6	24.8	25.4	26.4
X=12H Y=4H	26.1	26.8	26.8	27.6	28.5	21.2	21.9	21.9	22.7	23.6
6H	27.3	27.9	28.1	28.7	29.7	22.6	23.3	23.4	24.1	25.1
8H	27.9	28.5	28.7	29.3	30.3	23.4	24.0	24.2	24.8	25.8

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	0.44	0.52	0.59	0.64	0.71	0.76	0.80	0.85	0.89
	0.30		0.36	0.44	0.51	0.56	0.64	0.69	0.74	0.80	0.84
	0.20		0.30	0.37	0.44	0.49	0.57	0.63	0.68	0.75	0.79
0.50	0.50	0.20	0.41	0.47	0.54	0.58	0.64	0.69	0.72	0.77	0.80
	0.30		0.34	0.40	0.47	0.51	0.58	0.63	0.67	0.72	0.76
	0.20		0.28	0.35	0.41	0.46	0.53	0.58	0.62	0.68	0.72
0.30	0.50	0.20	0.37	0.43	0.48	0.52	0.58	0.62	0.65	0.69	0.72
	0.30		0.31	0.37	0.43	0.47	0.53	0.57	0.61	0.66	0.69
	0.20		0.26	0.32	0.38	0.42	0.49	0.53	0.57	0.62	0.66
0.00	0.00	0.00	0.22	0.27	0.32	0.36	0.41	0.45	0.48	0.53	0.56
Rating:2W 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	1.04	0.91	0.80	0.71	0.59	0.51	0.45	0.36	0.30
	0.30		0.87	0.78	0.69	0.63	0.53	0.47	0.41	0.34	0.29
	0.20		0.75	0.68	0.62	0.57	0.49	0.43	0.39	0.32	0.28
0.50	0.50	0.20	0.96	0.84	0.73	0.65	0.54	0.49	0.41	0.33	0.28
	0.30		0.81	0.73	0.65	0.59	0.50	0.43	0.39	0.32	0.27
	0.20		0.70	0.64	0.58	0.53	0.46	0.40	0.36	0.30	0.26
0.30	0.50	0.20	0.88	0.77	0.67	0.60	0.50	0.43	0.38	0.31	0.26
	0.30		0.75	0.68	0.60	0.54	0.46	0.40	0.36	0.30	0.25
	0.20		0.66	0.60	0.54	0.50	0.43	0.38	0.34	0.28	0.24
0.00	0.00	0.00	0.54	0.49	0.44	0.40	0.35	0.31	0.28	0.23	0.20
<p>Rating: 2W 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	0.40	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45
	0.30		0.33	0.34	0.36	0.36	0.38	0.39	0.40	0.41	0.42
	0.20		0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.37	0.38
0.50	0.50	0.20	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.43
	0.30		0.32	0.34	0.35	0.35	0.37	0.38	0.38	0.39	0.40
	0.20		0.27	0.29	0.30	0.31	0.32	0.33	0.34	0.36	0.37
0.30	0.50	0.20	0.37	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.41
	0.30		0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39
	0.20		0.27	0.28	0.29	0.30	0.32	0.33	0.34	0.35	0.36
0.00	0.00	0.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
<p>Rating:2W 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	1.8	0.0	0.0	0.02	0.02
1.0-2.0	1.8	0.0	0.0	0.05	0.06
2.0-3.0	1.8	0.0	0.0	0.08	0.14
3.0-4.0	1.8	0.0	0.0	0.11	0.24
4.0-5.0	1.8	0.0	0.0	0.14	0.38
5.0-6.0	1.8	0.0	0.1	0.17	0.55
6.0-7.0	1.8	0.0	0.1	0.20	0.74
7.0-8.0	1.8	0.0	0.1	0.23	0.97
8.0-9.0	1.8	0.0	0.1	0.26	1.22
9.0-10.0	1.8	0.0	0.2	0.29	1.51
10.0-11.0	1.8	0.0	0.2	0.32	1.82
11.0-12.0	1.8	0.0	0.2	0.34	2.17
12.0-13.0	1.8	0.0	0.3	0.37	2.54
13.0-14.0	1.8	0.0	0.3	0.40	2.94
14.0-15.0	1.8	0.0	0.4	0.43	3.37
15.0-16.0	1.8	0.1	0.4	0.46	3.83
16.0-17.0	1.7	0.1	0.5	0.48	4.31
17.0-18.0	1.8	0.1	0.5	0.52	4.83
18.0-19.0	1.7	0.1	0.6	0.54	5.37
19.0-20.0	1.7	0.1	0.7	0.56	5.93
20.0-21.0	1.7	0.1	0.7	0.59	6.53
21.0-22.0	1.7	0.1	0.8	0.62	7.15
22.0-23.0	1.7	0.1	0.9	0.64	7.79
23.0-24.0	1.7	0.1	1.0	0.67	8.46
24.0-25.0	1.7	0.1	1.0	0.69	9.15
25.0-26.0	1.7	0.1	1.1	0.72	9.87
26.0-27.0	1.7	0.1	1.2	0.74	10.61
27.0-28.0	1.7	0.1	1.3	0.77	11.38
28.0-29.0	1.7	0.1	1.4	0.79	12.17
29.0-30.0	1.7	0.1	1.5	0.81	12.97
30.0-31.0	1.7	0.1	1.6	0.83	13.80
31.0-32.0	1.7	0.1	1.6	0.85	14.66
32.0-33.0	1.7	0.1	1.7	0.87	15.53
33.0-34.0	1.7	0.1	1.8	0.90	16.43
34.0-35.0	1.7	0.1	1.9	0.91	17.34
35.0-36.0	1.6	0.1	2.1	0.93	18.27

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	1.6	0.1	2.2	0.95	19.22
37.0-38.0	1.6	0.1	2.3	0.97	20.19
38.0-39.0	1.6	0.1	2.4	0.98	21.18
39.0-40.0	1.6	0.1	2.5	1.00	22.17
40.0-41.0	1.6	0.1	2.6	1.02	23.19
41.0-42.0	1.6	0.1	2.7	1.03	24.22
42.0-43.0	1.6	0.1	2.8	1.04	25.26
43.0-44.0	1.6	0.1	3.0	1.06	26.32
44.0-45.0	1.6	0.1	3.1	1.08	27.39
45.0-46.0	1.6	0.1	3.2	1.08	28.47
46.0-47.0	1.5	0.1	3.3	1.09	29.56
47.0-48.0	1.5	0.1	3.4	1.10	30.66
48.0-49.0	1.5	0.1	3.6	1.11	31.77
49.0-50.0	1.5	0.1	3.7	1.12	32.89
50.0-51.0	1.5	0.1	3.8	1.13	34.02
51.0-52.0	1.5	0.1	4.0	1.13	35.15
52.0-53.0	1.5	0.1	4.1	1.13	36.29
53.0-54.0	1.5	0.1	4.2	1.15	37.44
54.0-55.0	1.4	0.1	4.3	1.15	38.58
55.0-56.0	1.4	0.1	4.5	1.15	39.73
56.0-57.0	1.4	0.1	4.6	1.16	40.89
57.0-58.0	1.4	0.1	4.7	1.16	42.04
58.0-59.0	1.4	0.1	4.9	1.16	43.20
59.0-60.0	1.4	0.1	5.0	1.16	44.36
60.0-61.0	1.4	0.1	5.1	1.16	45.51
61.0-62.0	1.4	0.1	5.2	1.16	46.68
62.0-63.0	1.3	0.1	5.4	1.17	47.85
63.0-64.0	1.3	0.1	5.5	1.16	49.01
64.0-65.0	1.3	0.1	5.6	1.15	50.15
65.0-66.0	1.3	0.1	5.8	1.14	51.29
66.0-67.0	1.3	0.1	5.9	1.13	52.42
67.0-68.0	1.3	0.1	6.0	1.13	53.56
68.0-69.0	1.2	0.1	6.1	1.13	54.69
69.0-70.0	1.2	0.1	6.3	1.12	55.81
70.0-71.0	1.2	0.1	6.4	1.11	56.92
71.0-72.0	1.2	0.1	6.5	1.10	58.02

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	1.2	0.1	6.6	1.08	59.11
73.0-74.0	1.1	0.1	6.8	1.07	60.18
74.0-75.0	1.1	0.1	6.9	1.07	61.25
75.0-76.0	1.1	0.1	7.0	1.06	62.31
76.0-77.0	1.1	0.1	7.1	1.06	63.37
77.0-78.0	1.1	0.1	7.2	1.04	64.41
78.0-79.0	1.1	0.1	7.4	1.03	65.43
79.0-80.0	1.1	0.1	7.5	1.02	66.46
80.0-81.0	1.0	0.1	7.6	1.01	67.47
81.0-82.0	1.0	0.1	7.7	1.00	68.46
82.0-83.0	1.0	0.1	7.8	0.99	69.45
83.0-84.0	1.0	0.1	7.9	0.96	70.41
84.0-85.0	1.0	0.1	8.0	0.96	71.37
85.0-86.0	1.0	0.1	8.1	0.94	72.31
86.0-87.0	0.9	0.1	8.2	0.91	73.22
87.0-88.0	0.9	0.1	8.3	0.91	74.13
88.0-89.0	0.9	0.1	8.4	0.90	75.03
89.0-90.0	0.9	0.1	8.5	0.88	75.91
90.0-91.0	0.9	0.1	8.6	0.89	76.80
91.0-92.0	0.9	0.1	8.7	0.87	77.67
92.0-93.0	0.9	0.1	8.8	0.84	78.51
93.0-94.0	0.9	0.1	8.9	0.84	79.35
94.0-95.0	0.9	0.1	9.0	0.83	80.18
95.0-96.0	0.8	0.1	9.1	0.81	80.99
96.0-97.0	0.8	0.1	9.2	0.79	81.78
97.0-98.0	0.8	0.1	9.3	0.78	82.57
98.0-99.0	0.8	0.1	9.4	0.78	83.35
99.0-100.0	0.8	0.1	9.5	0.77	84.11
100.0-101.0	0.8	0.1	9.5	0.74	84.86
101.0-102.0	0.8	0.1	9.6	0.73	85.58
102.0-103.0	0.8	0.1	9.7	0.72	86.30
103.0-104.0	0.7	0.1	9.8	0.70	87.00
104.0-105.0	0.7	0.1	9.9	0.68	87.68
105.0-106.0	0.7	0.1	9.9	0.66	88.34
106.0-107.0	0.7	0.1	10.0	0.63	88.97
107.0-108.0	0.7	0.1	10.1	0.62	89.59

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 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	0.6	0.1	10.1	0.59	90.18
109.0-110.0	0.6	0.1	10.2	0.57	90.75
110.0-111.0	0.6	0.1	10.3	0.55	91.30
111.0-112.0	0.6	0.1	10.3	0.52	91.82
112.0-113.0	0.6	0.1	10.4	0.50	92.32
113.0-114.0	0.5	0.1	10.4	0.48	92.80
114.0-115.0	0.5	0.1	10.5	0.45	93.25
115.0-116.0	0.5	0.0	10.5	0.44	93.69
116.0-117.0	0.5	0.0	10.6	0.43	94.12
117.0-118.0	0.5	0.0	10.6	0.40	94.52
118.0-119.0	0.4	0.0	10.7	0.38	94.89
119.0-120.0	0.4	0.0	10.7	0.35	95.25
120.0-121.0	0.4	0.0	10.7	0.33	95.58
121.0-122.0	0.4	0.0	10.8	0.31	95.89
122.0-123.0	0.4	0.0	10.8	0.30	96.18
123.0-124.0	0.3	0.0	10.8	0.28	96.46
124.0-125.0	0.3	0.0	10.9	0.26	96.72
125.0-126.0	0.3	0.0	10.9	0.24	96.96
126.0-127.0	0.3	0.0	10.9	0.22	97.18
127.0-128.0	0.3	0.0	10.9	0.20	97.38
128.0-129.0	0.3	0.0	11.0	0.20	97.57
129.0-130.0	0.2	0.0	11.0	0.18	97.75
130.0-131.0	0.2	0.0	11.0	0.17	97.92
131.0-132.0	0.2	0.0	11.0	0.16	98.08
132.0-133.0	0.2	0.0	11.0	0.15	98.23
133.0-134.0	0.2	0.0	11.1	0.14	98.37
134.0-135.0	0.2	0.0	11.1	0.12	98.49
135.0-136.0	0.2	0.0	11.1	0.11	98.60
136.0-137.0	0.1	0.0	11.1	0.10	98.70
137.0-138.0	0.1	0.0	11.1	0.09	98.79
138.0-139.0	0.1	0.0	11.1	0.09	98.88
139.0-140.0	0.1	0.0	11.1	0.08	98.96
140.0-141.0	0.1	0.0	11.1	0.07	99.03
141.0-142.0	0.1	0.0	11.1	0.07	99.10
142.0-143.0	0.1	0.0	11.1	0.06	99.16
143.0-144.0	0.1	0.0	11.1	0.05	99.21

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	11.2	0.06	99.27
145.0-146.0	0.1	0.0	11.2	0.05	99.32
146.0-147.0	0.1	0.0	11.2	0.04	99.36
147.0-148.0	0.1	0.0	11.2	0.04	99.40
148.0-149.0	0.1	0.0	11.2	0.04	99.44
149.0-150.0	0.1	0.0	11.2	0.04	99.48
150.0-151.0	0.1	0.0	11.2	0.04	99.52
151.0-152.0	0.1	0.0	11.2	0.04	99.56
152.0-153.0	0.1	0.0	11.2	0.03	99.59
153.0-154.0	0.1	0.0	11.2	0.03	99.63
154.0-155.0	0.1	0.0	11.2	0.03	99.66
155.0-156.0	0.1	0.0	11.2	0.03	99.69
156.0-157.0	0.1	0.0	11.2	0.03	99.72
157.0-158.0	0.1	0.0	11.2	0.03	99.75
158.0-159.0	0.1	0.0	11.2	0.03	99.78
159.0-160.0	0.1	0.0	11.2	0.03	99.80
160.0-161.0	0.1	0.0	11.2	0.03	99.83
161.0-162.0	0.1	0.0	11.2	0.02	99.85
162.0-163.0	0.1	0.0	11.2	0.02	99.87
163.0-164.0	0.1	0.0	11.2	0.02	99.89
164.0-165.0	0.1	0.0	11.2	0.01	99.90
165.0-166.0	0.1	0.0	11.2	0.01	99.92
166.0-167.0	0.1	0.0	11.2	0.01	99.93
167.0-168.0	0.1	0.0	11.2	0.01	99.94
168.0-169.0	0.1	0.0	11.2	0.01	99.95
169.0-170.0	0.1	0.0	11.2	0.01	99.96
170.0-171.0	0.1	0.0	11.2	0.01	99.97
171.0-172.0	0.0	0.0	11.2	0.01	99.98
172.0-173.0	0.0	0.0	11.2	0.00	99.98
173.0-174.0	0.0	0.0	11.2	0.00	99.99
174.0-175.0	0.0	0.0	11.2	0.00	99.99
175.0-176.0	0.0	0.0	11.2	0.00	99.99
176.0-177.0	0.0	0.0	11.2	0.00	100.00
177.0-178.0	0.0	0.0	11.2	0.00	100.00
178.0-179.0	0.0	0.0	11.2	0.00	100.00
179.0-180.0	0.0	0.0	11.2	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: