

Report No.:

Test Time: 2020/11/19 16:37

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: Contour Plus 5.0

Luminaire Description: NEON+RB0SCS2205.0G-12N

Lamp Catalog: 12N-G

Number of Lamps: 160

Luminous Width (mm): 10

Voltage: 24.0 V

Power: 8.78 W

Lamp Description: 2835 GREEN

Luminous Length (mm): 500

Luminous Height (mm): 23

Current: 0.366 A

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 249.9 lm

Downward Ratio: 73%

Horizontal Diffuse Angle(10%,50%): H161.3,H108.6

Vertical Diffuse Angle(10%,50%): V298.8,V201.7

Luminaire Efficacy Rating (LER): 28

Max. Intensity: 58.3 cd

Total Rated Lamp Lumens: 249.9 lm

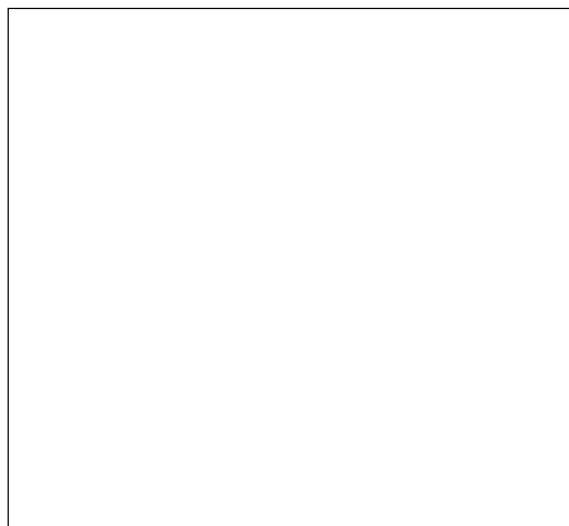
Efficiency: 100%

Upward Ratio: 27%

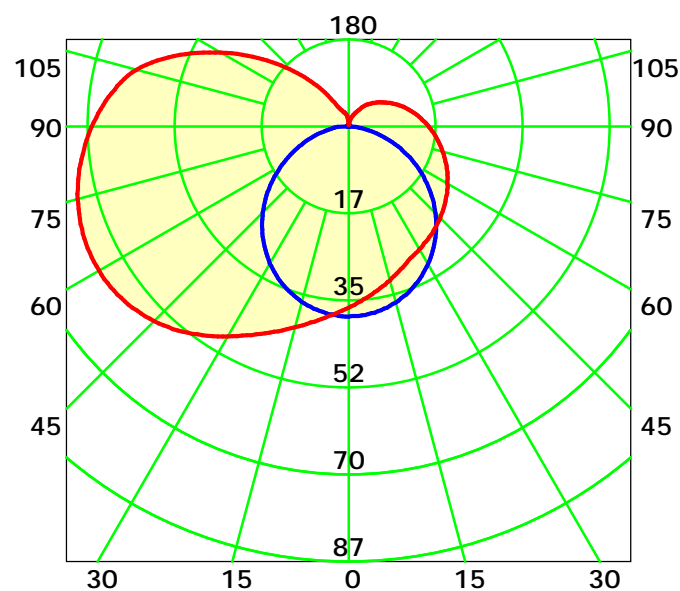
Central Intensity: 38.42 cd

Pos of Max. Intensity: H270 V62

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 155.2° 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

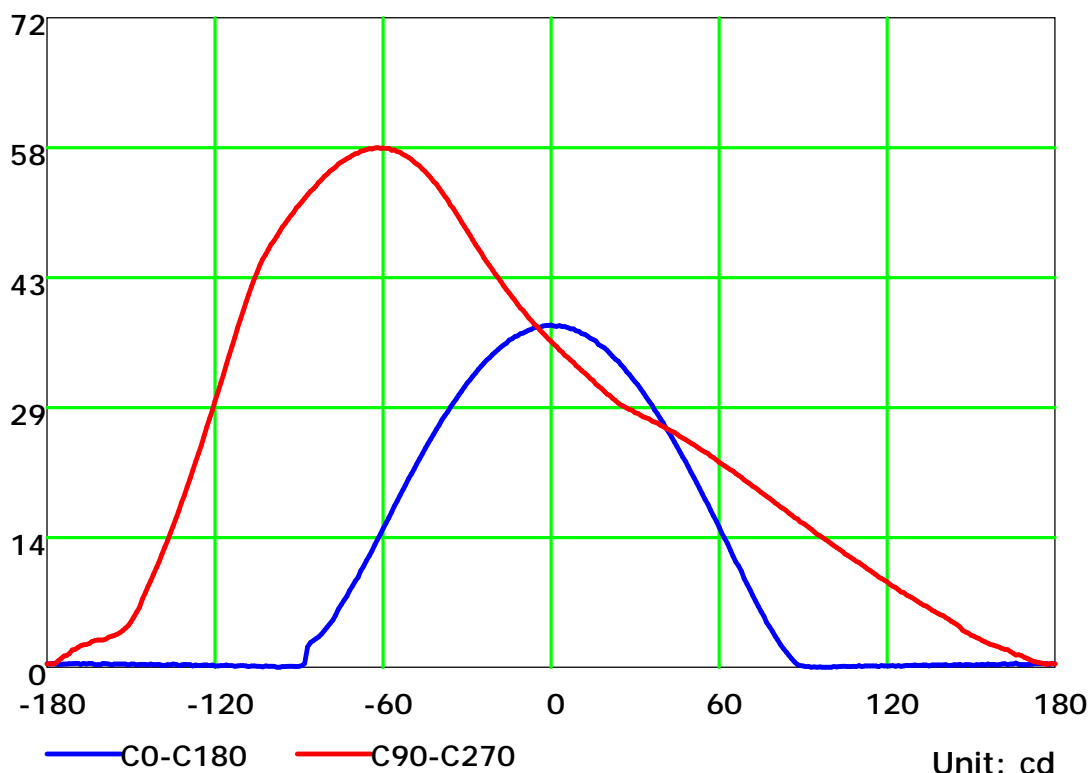
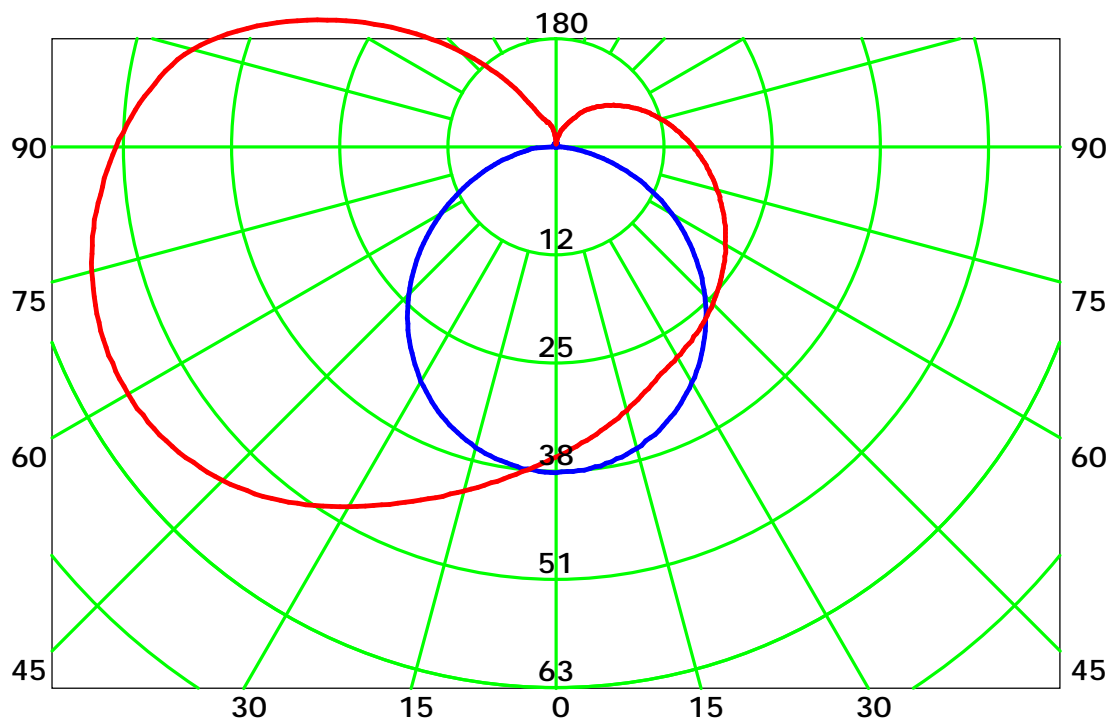
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

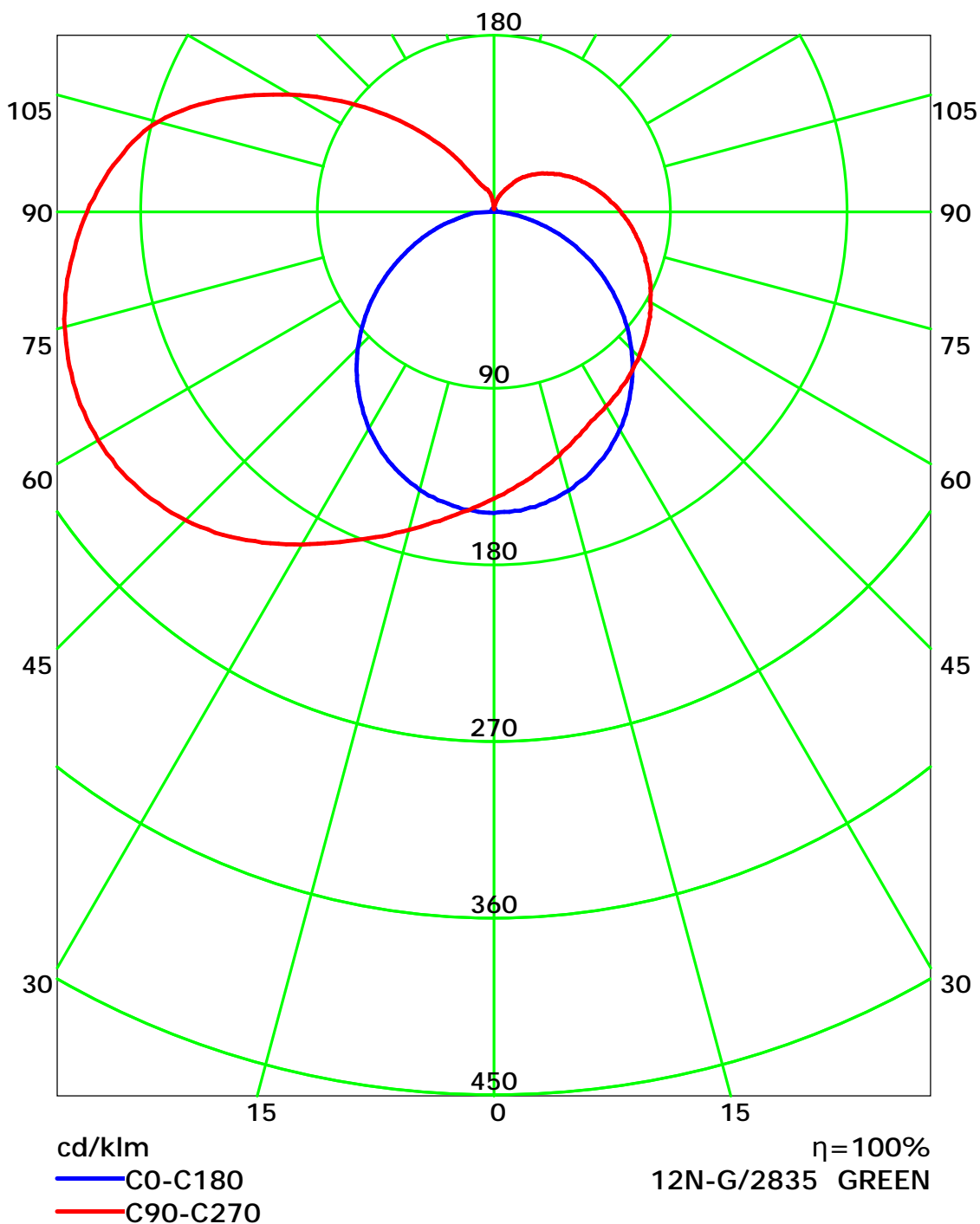
## Luminous Intensity Distribution Curve



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:

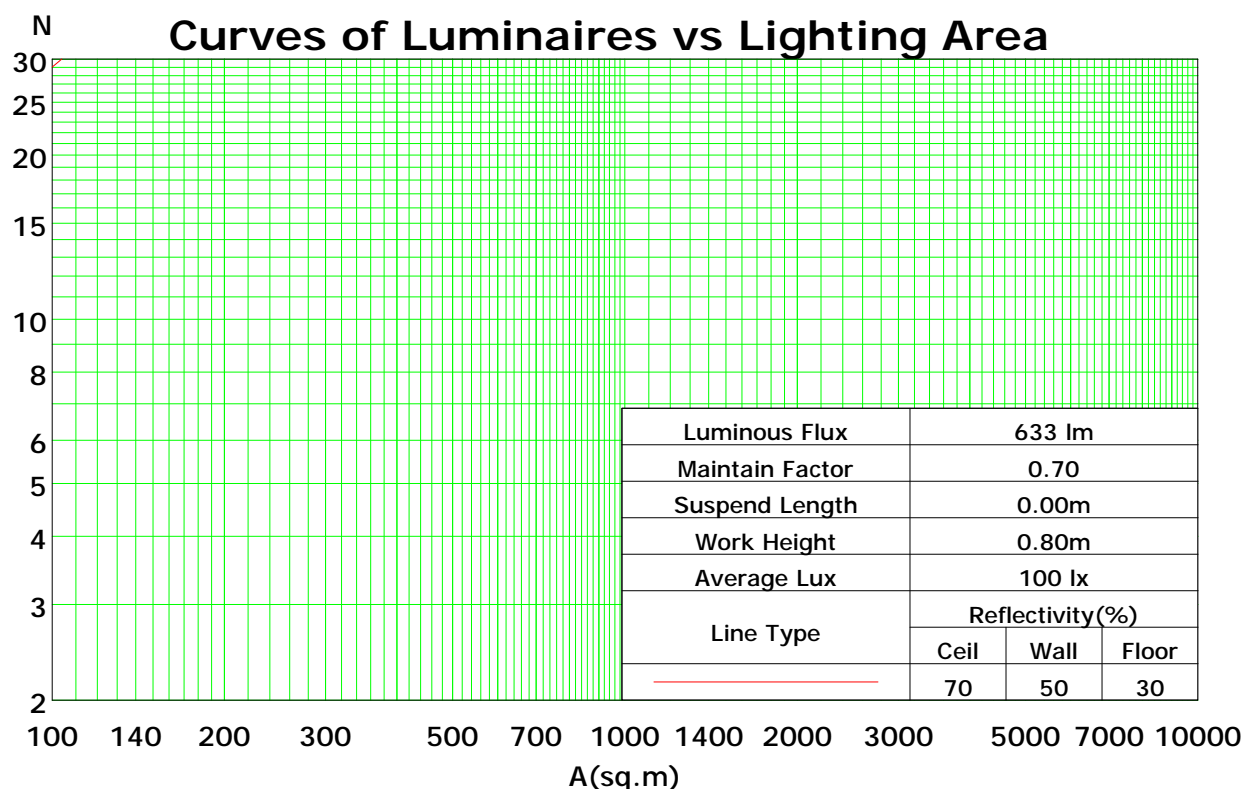
## Coefficients Of Utilization - Zonal Cavity Method

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	113	113	113	113	107	107	107	107	96	96	96	87	87	87	78	78	78	73
1	98	92	86	81	93	87	82	77	78	74	70	69	66	63	61	59	56	52
2	88	78	70	63	82	74	66	60	66	60	54	58	53	49	51	48	44	40
3	79	67	58	50	74	63	55	48	56	49	44	50	44	40	44	40	36	32
4	72	59	49	41	67	55	46	40	49	42	36	44	38	33	39	34	30	26
5	66	52	42	35	61	49	40	33	44	36	30	39	33	28	34	29	25	22
6	60	46	37	30	57	44	35	28	39	32	26	35	29	24	31	26	22	19
7	56	41	32	26	52	39	31	25	35	28	23	32	25	21	28	23	19	16
8	52	37	29	23	48	36	27	22	32	25	20	29	23	18	26	21	17	14
9	48	34	26	20	45	33	25	19	29	23	18	26	21	16	24	19	15	13
10	45	31	23	18	42	30	22	17	27	20	16	24	19	15	22	17	13	11

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.67

Spacing Criteria (Diagonal): 1.58



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

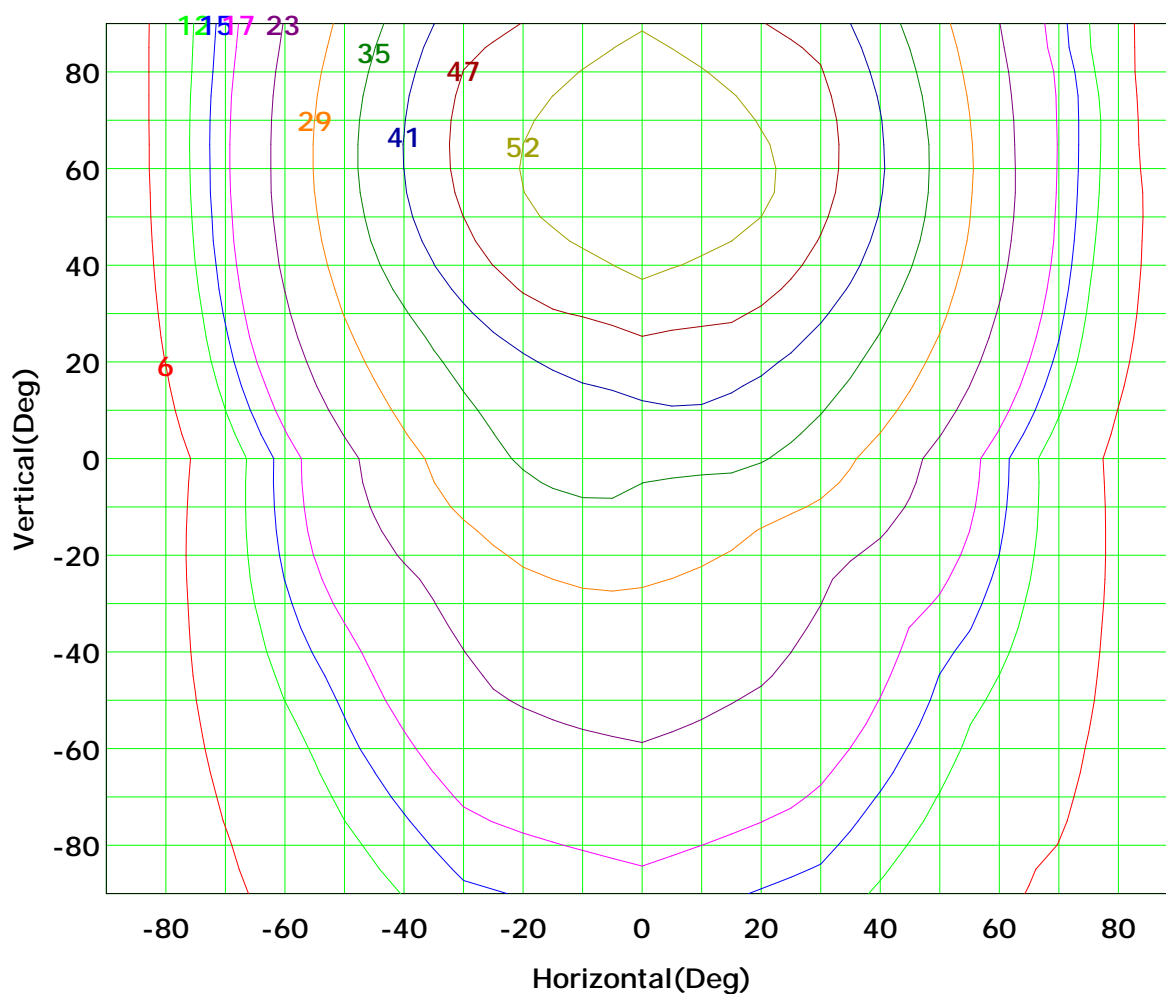
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 58 cd

( 10%):	6 cd	( 20%):	12 cd
( 25%):	15 cd	( 30%):	17 cd
( 40%):	23 cd	( 50%):	29 cd
( 60%):	35 cd	( 70%):	41 cd
( 80%):	47 cd	( 90%):	52 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

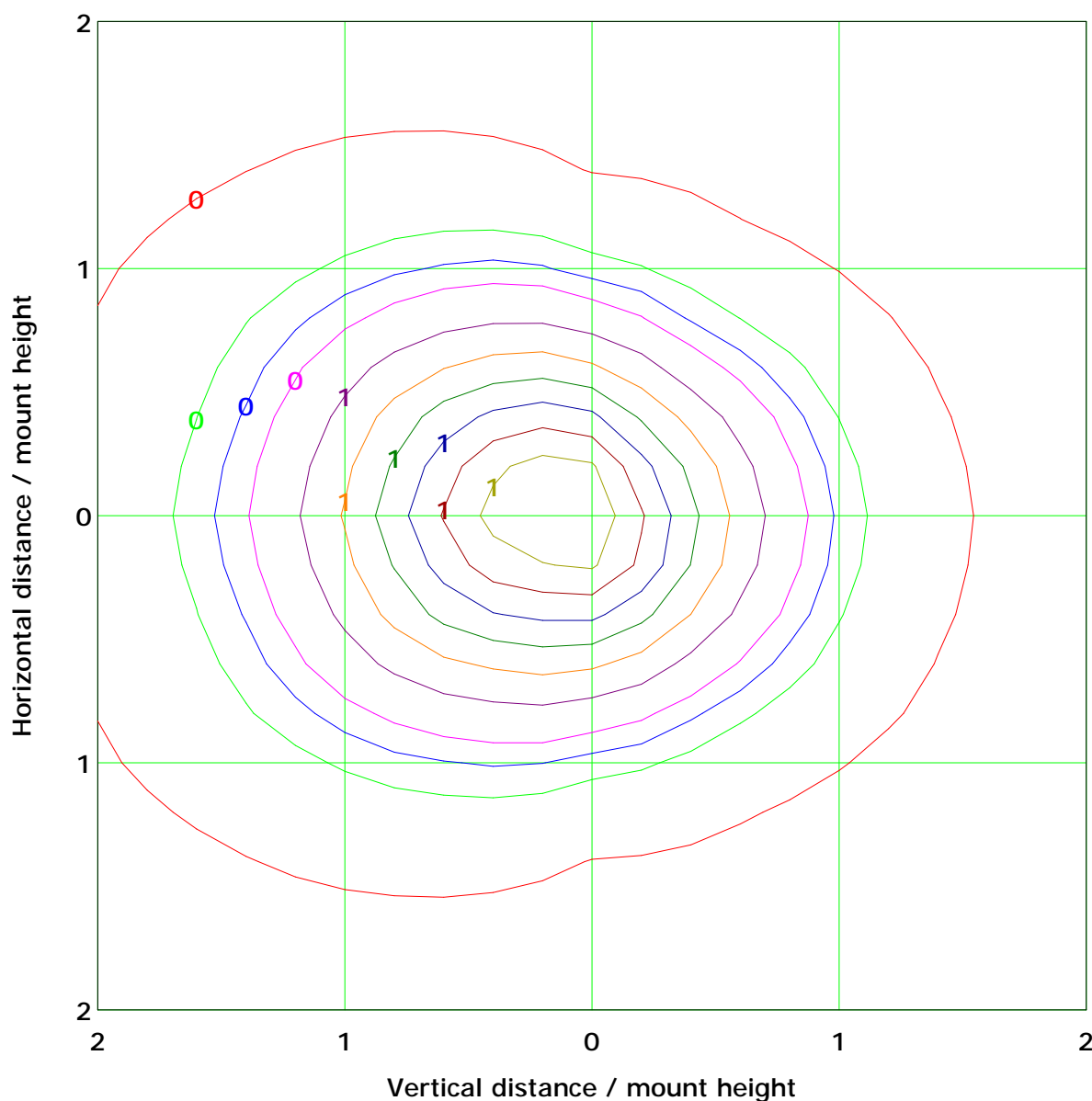
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



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

( 10%): 0.2 lx	( 20%): 0.3 lx
( 25%): 0.4 lx	( 30%): 0.5 lx
( 40%): 0.6 lx	( 50%): 0.8 lx
( 60%): 0.9 lx	( 70%): 1.1 lx
( 80%): 1.2 lx	( 90%): 1.4 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

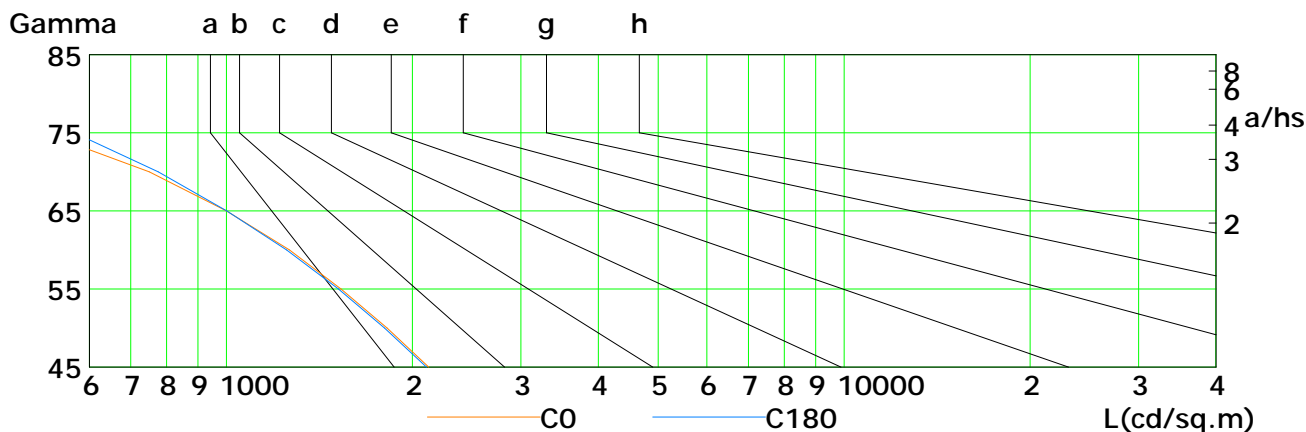
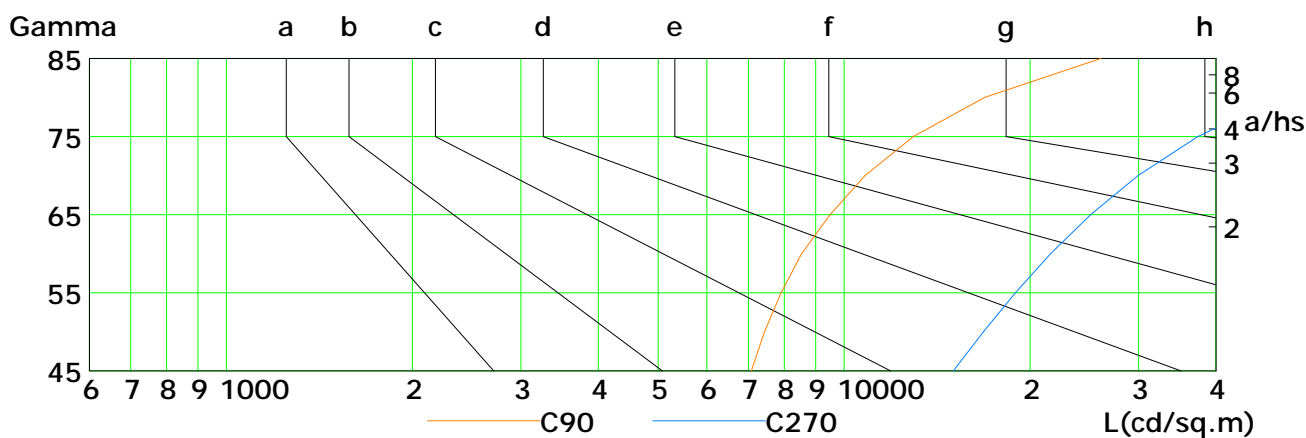
Humidity: 60%

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	2127	1821	1534	1265	1000	750	507	289	115
C90	7076	7430	7905	8536	9498	10814	12953	16862	26064
C180	2108	1804	1519	1252	1002	776	568	372	254
C270	15037	16816	18938	21588	25074	29924	37381	50551	80734

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

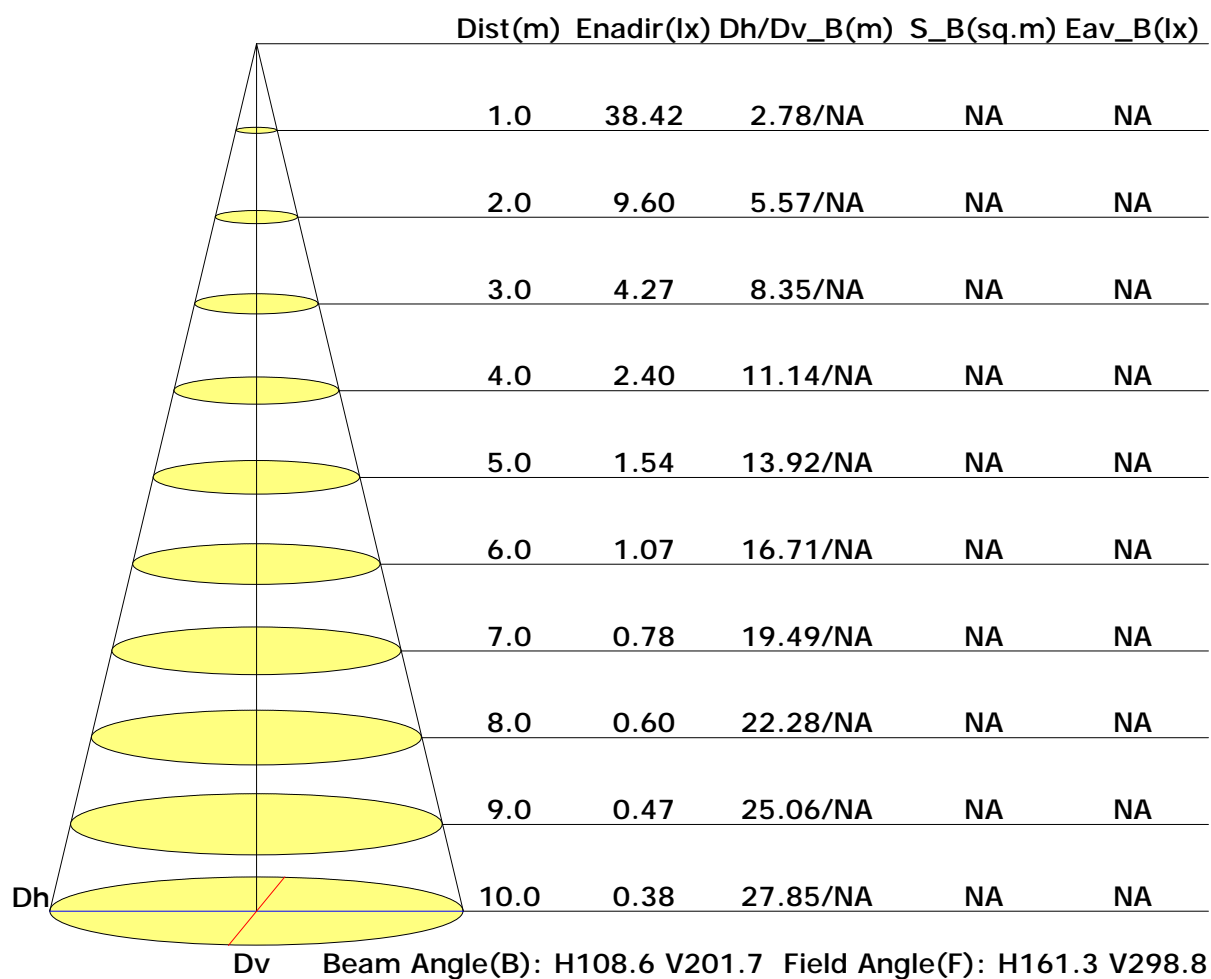
Test Device: GPM-1800B

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

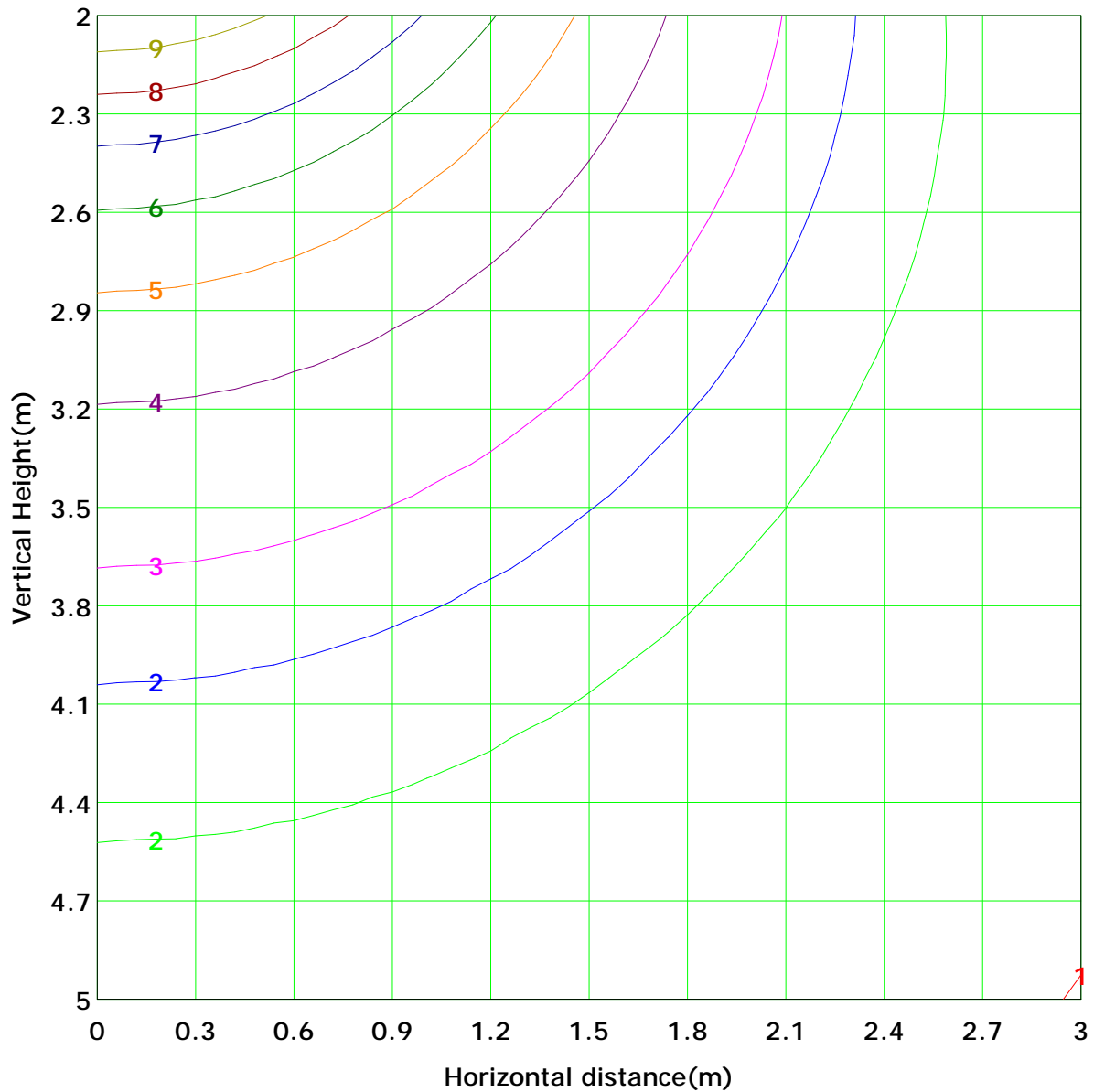
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 9.6 lx
( 10%): 1.0 lx	( 20%): 1.9 lx	
( 25%): 2.4 lx	( 30%): 2.9 lx	
( 40%): 3.8 lx	( 50%): 4.8 lx	
( 60%): 5.8 lx	( 70%): 6.7 lx	
( 80%): 7.7 lx	( 90%): 8.6 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	0.1	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	183	183
	-80	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.5	1.7	1.7	1.5	1.4	1.1	0.8	0.5	0.3	0.1	0.0	0.0	14.7	14.7
	-70	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	0.0	15.1	15.1
	-60	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.3	0.1	0.0	0.0	15.0	15.0
	-50	0.0	0.1	0.3	0.5	0.8	1.1	1.4	1.5	1.6	1.6	1.5	1.3	1.0	0.8	0.5	0.3	0.1	0.0	0.0	14.5	14.5
	-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	13.5	13.5
	-30	0.0	0.1	0.2	0.4	0.7	0.9	1.2	1.3	1.4	1.4	1.3	1.1	0.9	0.7	0.4	0.2	0.1	0.0	0.0	12.4	12.4
	-20	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.2	1.3	1.2	1.2	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	1.0	1.1	1.2	1.1	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	10.4	10.4
	0	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.0	1.1	1.0	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0	9.5	9.5
	10	0.0	0.1	0.2	0.3	0.5	0.6	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	8.7	8.7
	20	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.6	0.4	0.3	0.2	0.1	0.0	0.0	8.0	7.9
	30	0.0	0.1	0.1	0.3	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.1	0.1	0.0	0.0	7.4	7.4
	40	0.0	0.1	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.7	0.5	0.4	0.2	0.1	0.0	0.0	0.0	6.9	6.9
	50	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	6.3	6.3
	60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.7	5.7
	70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	5.1	5.0
	80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	4.5	4.4
	90	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	4.5	4.4
	Flux(T)	0.2	1.3	3.4	6.3	9.8	13.5	16.9	19.3	20.7	20.7	19.3	17.0	13.6	9.9	6.4	3.4	1.2	0.2	0.2	183	
	Flux(E)	0.1	1.1	3.4	6.3	9.8	13.5	16.9	19.3	20.7	20.7	19.3	17.0	13.6	9.9	6.4	3.4	1.0	0.1	0.1		183

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

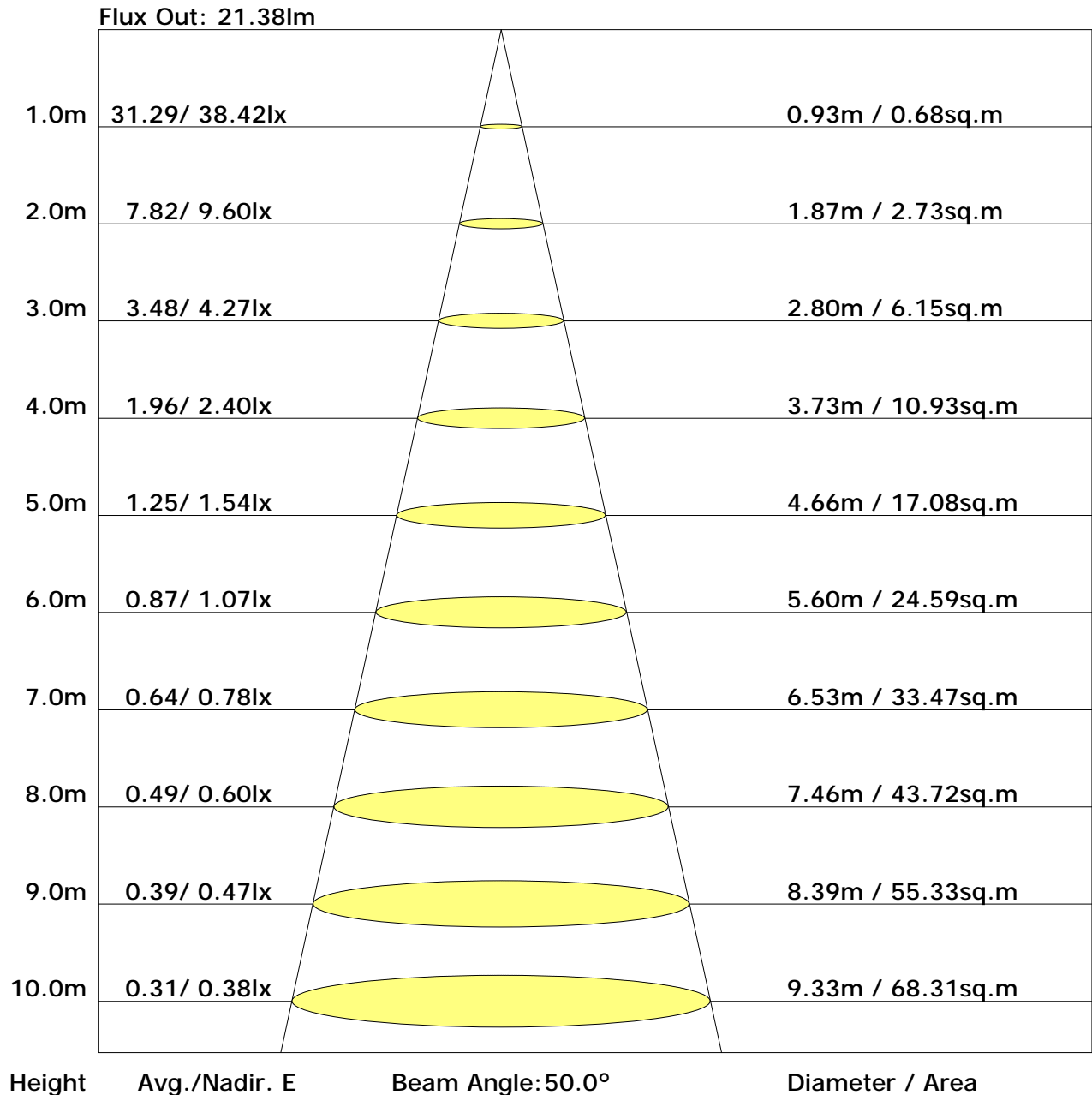
Distance: 9.028 m

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	18.5	19.8	19.2	20.6	21.5	16.1	17.4	16.8	18.1	19.0
3H	20.5	21.7	21.2	22.4	23.3	18.4	19.6	19.1	20.3	21.2
4H	21.2	22.3	21.9	23.1	24.0	19.5	20.6	20.2	21.4	22.3
6H	21.7	22.8	22.5	23.5	24.5	20.5	21.6	21.3	22.4	23.3
8H	21.9	22.9	22.6	23.7	24.6	21.0	22.0	21.8	22.8	23.8
12H	22.0	23.0	22.7	23.7	24.7	21.5	22.5	22.3	23.3	24.2
X=4H Y=2H	19.6	20.7	20.3	21.5	22.4	16.7	17.8	17.4	18.6	19.5
3H	21.8	22.8	22.5	23.6	24.5	19.3	20.2	20.0	21.0	22.0
4H	22.7	23.6	23.5	24.4	25.4	20.5	21.4	21.3	22.2	23.2
6H	23.4	24.3	24.2	25.1	26.0	21.7	22.6	22.5	23.4	24.3
8H	23.7	24.5	24.5	25.3	26.3	22.3	23.1	23.1	23.9	24.9
12H	23.9	24.6	24.7	25.4	26.4	22.9	23.6	23.7	24.5	25.5
X=8H Y=4H	23.6	24.4	24.4	25.2	26.2	20.9	21.6	21.6	22.4	23.4
6H	24.6	25.3	25.4	26.1	27.1	22.3	23.0	23.1	23.8	24.8
8H	25.1	25.7	25.9	26.5	27.5	23.1	23.7	23.9	24.5	25.5
12H	25.5	26.0	26.3	26.8	27.9	23.8	24.4	24.7	25.2	26.3
X=12H Y=4H	23.8	24.5	24.6	25.4	26.3	20.9	21.6	21.7	22.4	23.4
6H	25.0	25.6	25.8	26.4	27.5	22.4	23.0	23.3	23.9	24.9
8H	25.6	26.1	26.4	27.0	28.0	23.3	23.8	24.1	24.6	25.7

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	0.51	0.58	0.63	0.70	0.76	0.79	0.84	0.88	
	0.30		0.35	0.43	0.50	0.55	0.63	0.69	0.73	0.79	0.83	
	0.20		0.30	0.36	0.43	0.49	0.57	0.63	0.67	0.74	0.79	
0.50	0.50	0.20	0.40	0.46	0.52	0.57	0.63	0.68	0.71	0.76	0.79	
	0.30		0.33	0.39	0.45	0.50	0.57	0.62	0.66	0.71	0.75	
	0.20		0.27	0.34	0.40	0.45	0.52	0.57	0.61	0.67	0.71	
0.30	0.50	0.20	0.36	0.41	0.47	0.51	0.56	0.60	0.63	0.67	0.70	
	0.30		0.30	0.35	0.41	0.45	0.51	0.56	0.59	0.64	0.67	
	0.20		0.25	0.31	0.37	0.41	0.47	0.52	0.55	0.61	0.64	
0.00	0.00	0.00	0.21	0.25	0.30	0.34	0.39	0.43	0.46	0.51	0.54	
Rating:9W 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	0.54	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	0.95	0.83	0.73	0.65	0.54	0.49	0.41	0.33	0.28
	0.30		0.81	0.72	0.64	0.58	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	0.87	0.76	0.66	0.60	0.50	0.43	0.38	0.31	0.26
	0.30		0.75	0.67	0.59	0.54	0.46	0.40	0.36	0.29	0.25
	0.20		0.65	0.60	0.54	0.49	0.43	0.38	0.34	0.28	0.24
0.00	0.00	0.00	0.53	0.48	0.43	0.40	0.34	0.30	0.27	0.23	0.20
Rating: 9W 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 = 1.50									
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	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.48	
	0.30		0.36	0.37	0.38	0.39	0.41	0.42	0.42	0.43	0.44	
	0.20		0.30	0.32	0.33	0.34	0.36	0.37	0.38	0.40	0.41	
0.50	0.50	0.20	0.41	0.43	0.43	0.44	0.45	0.45	0.45	0.46	0.46	
	0.30		0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	
	0.20		0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.38	0.39	
0.30	0.50	0.20	0.40	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	
	0.30		0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41	
	0.20		0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	
0.00	0.00	0.00	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	
Rating:9W 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	37.1	0.0	0.0	0.01	0.01
1.0-2.0	37.1	0.1	0.1	0.04	0.06
2.0-3.0	37.1	0.2	0.3	0.07	0.13
3.0-4.0	37.0	0.2	0.6	0.10	0.23
4.0-5.0	37.0	0.3	0.9	0.13	0.35
5.0-6.0	37.0	0.4	1.3	0.16	0.51
6.0-7.0	37.0	0.5	1.7	0.18	0.69
7.0-8.0	36.9	0.5	2.3	0.21	0.91
8.0-9.0	36.9	0.6	2.9	0.24	1.14
9.0-10.0	36.8	0.7	3.5	0.27	1.41
10.0-11.0	36.8	0.7	4.3	0.29	1.71
11.0-12.0	36.7	0.8	5.1	0.32	2.03
12.0-13.0	36.7	0.9	5.9	0.35	2.38
13.0-14.0	36.6	0.9	6.9	0.38	2.75
14.0-15.0	36.6	1.0	7.9	0.40	3.15
15.0-16.0	36.5	1.1	8.9	0.43	3.58
16.0-17.0	36.4	1.1	10.1	0.45	4.03
17.0-18.0	36.3	1.2	11.3	0.48	4.51
18.0-19.0	36.2	1.3	12.5	0.50	5.02
19.0-20.0	36.1	1.3	13.9	0.53	5.55
20.0-21.0	36.1	1.4	15.2	0.55	6.10
21.0-22.0	35.9	1.4	16.7	0.58	6.68
22.0-23.0	35.8	1.5	18.2	0.60	7.28
23.0-24.0	35.7	1.6	19.8	0.63	7.91
24.0-25.0	35.6	1.6	21.4	0.65	8.55
25.0-26.0	35.5	1.7	23.1	0.67	9.22
26.0-27.0	35.4	1.7	24.8	0.69	9.92
27.0-28.0	35.3	1.8	26.6	0.72	10.63
28.0-29.0	35.2	1.8	28.4	0.74	11.37
29.0-30.0	35.1	1.9	30.3	0.76	12.13
30.0-31.0	35.0	1.9	32.3	0.78	12.91
31.0-32.0	34.9	2.0	34.3	0.80	13.71
32.0-33.0	34.8	2.0	36.3	0.82	14.53
33.0-34.0	34.7	2.1	38.4	0.84	15.37
34.0-35.0	34.5	2.1	40.6	0.86	16.22
35.0-36.0	34.4	2.2	42.7	0.88	17.10

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	34.3	2.2	45.0	0.89	18.00
37.0-38.0	34.1	2.3	47.3	0.91	18.91
38.0-39.0	34.0	2.3	49.6	0.93	19.84
39.0-40.0	33.8	2.4	51.9	0.94	20.78
40.0-41.0	33.7	2.4	54.3	0.96	21.74
41.0-42.0	33.5	2.4	56.8	0.97	22.72
42.0-43.0	33.4	2.5	59.2	0.99	23.70
43.0-44.0	33.2	2.5	61.8	1.00	24.71
44.0-45.0	33.0	2.5	64.3	1.02	25.72
45.0-46.0	32.8	2.6	66.9	1.03	26.75
46.0-47.0	32.7	2.6	69.5	1.04	27.79
47.0-48.0	32.5	2.6	72.1	1.05	28.84
48.0-49.0	32.3	2.7	74.7	1.06	29.90
49.0-50.0	32.1	2.7	77.4	1.07	30.97
50.0-51.0	31.9	2.7	80.1	1.08	32.05
51.0-52.0	31.6	2.7	82.8	1.09	33.14
52.0-53.0	31.4	2.7	85.5	1.09	34.23
53.0-54.0	31.2	2.8	88.3	1.10	35.33
54.0-55.0	31.0	2.8	91.1	1.11	36.44
55.0-56.0	30.7	2.8	93.8	1.11	37.55
56.0-57.0	30.5	2.8	96.6	1.11	38.66
57.0-58.0	30.2	2.8	99.4	1.12	39.78
58.0-59.0	30.0	2.8	102.2	1.12	40.90
59.0-60.0	29.7	2.8	105.0	1.12	42.02
60.0-61.0	29.4	2.8	107.8	1.12	43.15
61.0-62.0	29.1	2.8	110.6	1.12	44.27
62.0-63.0	28.9	2.8	113.4	1.12	45.39
63.0-64.0	28.6	2.8	116.3	1.12	46.51
64.0-65.0	28.3	2.8	119.0	1.12	47.63
65.0-66.0	28.0	2.8	121.8	1.12	48.75
66.0-67.0	27.7	2.8	124.6	1.11	49.86
67.0-68.0	27.4	2.8	127.4	1.11	50.97
68.0-69.0	27.1	2.8	130.2	1.10	52.08
69.0-70.0	26.7	2.7	132.9	1.10	53.18
70.0-71.0	26.4	2.7	135.6	1.09	54.27
71.0-72.0	26.1	2.7	138.4	1.09	55.36

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:

## 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	25.8	2.7	141.0	1.08	56.44
73.0-74.0	25.5	2.7	143.7	1.07	57.51
74.0-75.0	25.2	2.7	146.4	1.06	58.57
75.0-76.0	24.8	2.6	149.0	1.05	59.63
76.0-77.0	24.5	2.6	151.6	1.05	60.67
77.0-78.0	24.2	2.6	154.2	1.04	61.71
78.0-79.0	23.9	2.6	156.8	1.03	62.73
79.0-80.0	23.5	2.5	159.3	1.02	63.75
80.0-81.0	23.2	2.5	161.8	1.01	64.75
81.0-82.0	22.9	2.5	164.3	1.00	65.75
82.0-83.0	22.6	2.5	166.8	0.98	66.73
83.0-84.0	22.3	2.4	169.2	0.97	67.71
84.0-85.0	22.1	2.4	171.6	0.96	68.67
85.0-86.0	21.8	2.4	174.0	0.95	69.62
86.0-87.0	21.5	2.4	176.4	0.94	70.56
87.0-88.0	21.1	2.3	178.7	0.93	71.49
88.0-89.0	20.8	2.3	181.0	0.91	72.40
89.0-90.0	20.6	2.3	183.2	0.90	73.31
90.0-91.0	20.4	2.2	185.4	0.89	74.20
91.0-92.0	20.1	2.2	187.7	0.88	75.08
92.0-93.0	19.9	2.2	189.8	0.87	75.95
93.0-94.0	19.7	2.2	192.0	0.86	76.81
94.0-95.0	19.4	2.1	194.1	0.85	77.66
95.0-96.0	19.2	2.1	196.2	0.84	78.50
96.0-97.0	19.0	2.1	198.3	0.83	79.33
97.0-98.0	18.7	2.0	200.3	0.81	80.14
98.0-99.0	18.4	2.0	202.3	0.80	80.94
99.0-100.0	18.1	2.0	204.3	0.78	81.73
100.0-101.0	17.8	1.9	206.2	0.77	82.50
101.0-102.0	17.5	1.9	208.1	0.75	83.25
102.0-103.0	17.2	1.8	209.9	0.74	83.98
103.0-104.0	16.9	1.8	211.7	0.72	84.70
104.0-105.0	16.5	1.8	213.5	0.70	85.40
105.0-106.0	16.1	1.7	215.2	0.68	86.09
106.0-107.0	15.8	1.7	216.8	0.66	86.75
107.0-108.0	15.4	1.6	218.4	0.64	87.39

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	15.0	1.6	220.0	0.62	88.02
109.0-110.0	14.6	1.5	221.5	0.60	88.62
110.0-111.0	14.2	1.5	223.0	0.58	89.20
111.0-112.0	13.8	1.4	224.4	0.56	89.77
112.0-113.0	13.4	1.4	225.7	0.54	90.31
113.0-114.0	13.0	1.3	227.0	0.52	90.84
114.0-115.0	12.6	1.3	228.3	0.50	91.34
115.0-116.0	12.3	1.2	229.5	0.49	91.83
116.0-117.0	11.9	1.2	230.7	0.47	92.29
117.0-118.0	11.5	1.1	231.8	0.45	92.74
118.0-119.0	11.1	1.1	232.9	0.43	93.17
119.0-120.0	10.8	1.0	233.9	0.41	93.58
120.0-121.0	10.4	1.0	234.9	0.39	93.97
121.0-122.0	10.0	0.9	235.8	0.38	94.35
122.0-123.0	9.7	0.9	236.7	0.36	94.71
123.0-124.0	9.3	0.9	237.6	0.34	95.05
124.0-125.0	9.0	0.8	238.4	0.32	95.37
125.0-126.0	8.6	0.8	239.1	0.31	95.68
126.0-127.0	8.3	0.7	239.9	0.29	95.98
127.0-128.0	8.0	0.7	240.6	0.28	96.25
128.0-129.0	7.6	0.7	241.2	0.26	96.52
129.0-130.0	7.3	0.6	241.8	0.25	96.76
130.0-131.0	7.0	0.6	242.4	0.23	97.00
131.0-132.0	6.7	0.5	243.0	0.22	97.22
132.0-133.0	6.4	0.5	243.5	0.21	97.43
133.0-134.0	6.1	0.5	244.0	0.20	97.62
134.0-135.0	5.9	0.5	244.4	0.18	97.80
135.0-136.0	5.6	0.4	244.9	0.17	97.98
136.0-137.0	5.3	0.4	245.3	0.16	98.14
137.0-138.0	5.1	0.4	245.7	0.15	98.29
138.0-139.0	4.9	0.4	246.0	0.14	98.43
139.0-140.0	4.6	0.3	246.3	0.13	98.56
140.0-141.0	4.4	0.3	246.7	0.12	98.69
141.0-142.0	4.2	0.3	246.9	0.11	98.80
142.0-143.0	3.9	0.3	247.2	0.10	98.91
143.0-144.0	3.7	0.2	247.4	0.10	99.00

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:

## 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	3.5	0.2	247.7	0.09	99.09
145.0-146.0	3.3	0.2	247.9	0.08	99.17
146.0-147.0	3.1	0.2	248.0	0.07	99.24
147.0-148.0	2.9	0.2	248.2	0.07	99.31
148.0-149.0	2.7	0.2	248.4	0.06	99.37
149.0-150.0	2.6	0.1	248.5	0.06	99.43
150.0-151.0	2.4	0.1	248.6	0.05	99.48
151.0-152.0	2.3	0.1	248.8	0.05	99.53
152.0-153.0	2.2	0.1	248.9	0.05	99.58
153.0-154.0	2.1	0.1	249.0	0.04	99.62
154.0-155.0	2.1	0.1	249.1	0.04	99.66
155.0-156.0	2.0	0.1	249.2	0.04	99.69
156.0-157.0	1.9	0.1	249.3	0.03	99.73
157.0-158.0	1.8	0.1	249.3	0.03	99.76
158.0-159.0	1.8	0.1	249.4	0.03	99.79
159.0-160.0	1.7	0.1	249.5	0.03	99.81
160.0-161.0	1.7	0.1	249.5	0.02	99.84
161.0-162.0	1.6	0.1	249.6	0.02	99.86
162.0-163.0	1.6	0.1	249.6	0.02	99.88
163.0-164.0	1.5	0.0	249.7	0.02	99.90
164.0-165.0	1.4	0.0	249.7	0.02	99.92
165.0-166.0	1.3	0.0	249.8	0.01	99.93
166.0-167.0	1.2	0.0	249.8	0.01	99.94
167.0-168.0	1.2	0.0	249.8	0.01	99.95
168.0-169.0	1.1	0.0	249.8	0.01	99.96
169.0-170.0	1.0	0.0	249.9	0.01	99.97
170.0-171.0	0.9	0.0	249.9	0.01	99.98
171.0-172.0	0.9	0.0	249.9	0.01	99.98
172.0-173.0	0.8	0.0	249.9	0.00	99.99
173.0-174.0	0.7	0.0	249.9	0.00	99.99
174.0-175.0	0.6	0.0	249.9	0.00	100.00
175.0-176.0	0.5	0.0	249.9	0.00	100.00
176.0-177.0	0.5	0.0	249.9	0.00	100.00
177.0-178.0	0.4	0.0	249.9	0.00	100.00
178.0-179.0	0.4	0.0	249.9	0.00	100.00
179.0-180.0	0.4	0.0	249.9	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: