

Report No.:

Test Time: 2021/2/18 17:24

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 1 ROWS

Luminous Width (mm): 29.7

Voltage: 24.0 V

Power: 5.43 W

Luminaire Description: AR20

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 20.4

Current: 0.226 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 149.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H161.6,H110.6

Vertical Diffuse Angle(10%,50%): V159.1,V110.1

Luminaire Efficacy Rating (LER): 28

Max. Intensity: 53.28 cd

Total Rated Lamp Lumens: 149.5 lm

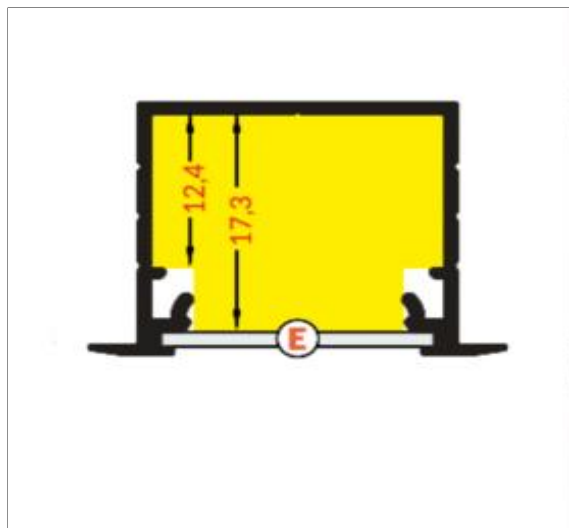
Efficiency: 100%

Upward Ratio: 1%

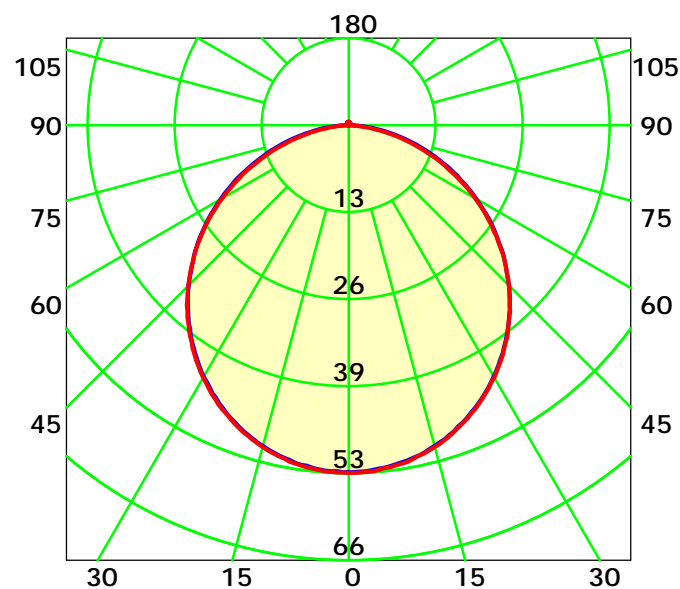
Central Intensity: 53.12 cd

Pos of Max. Intensity: H120 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.4° 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

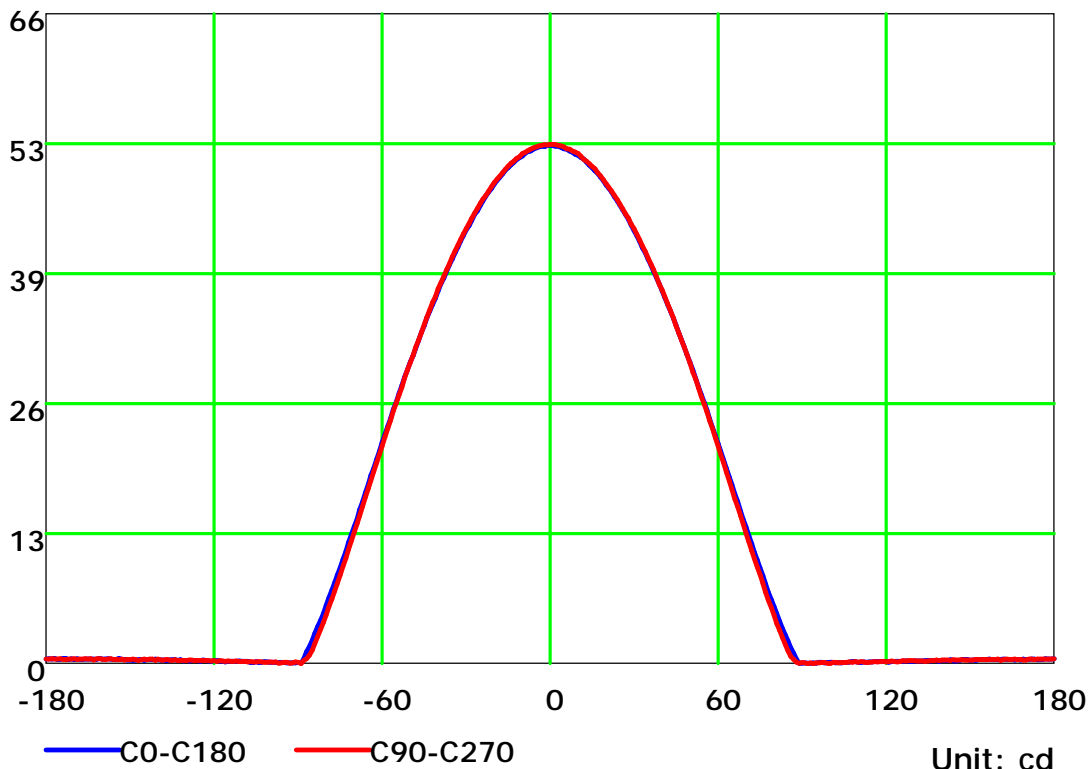
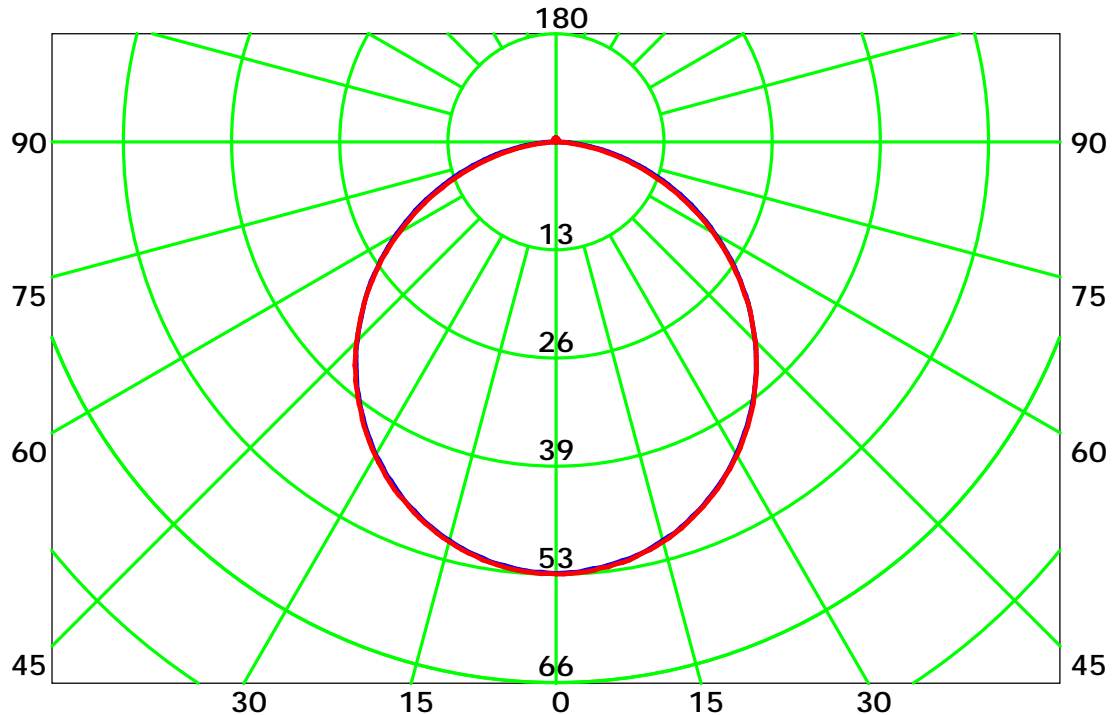
Distance: 9.028 m

Humidity: 60%

Inspector:



## Luminous Intensity Distribution Curve

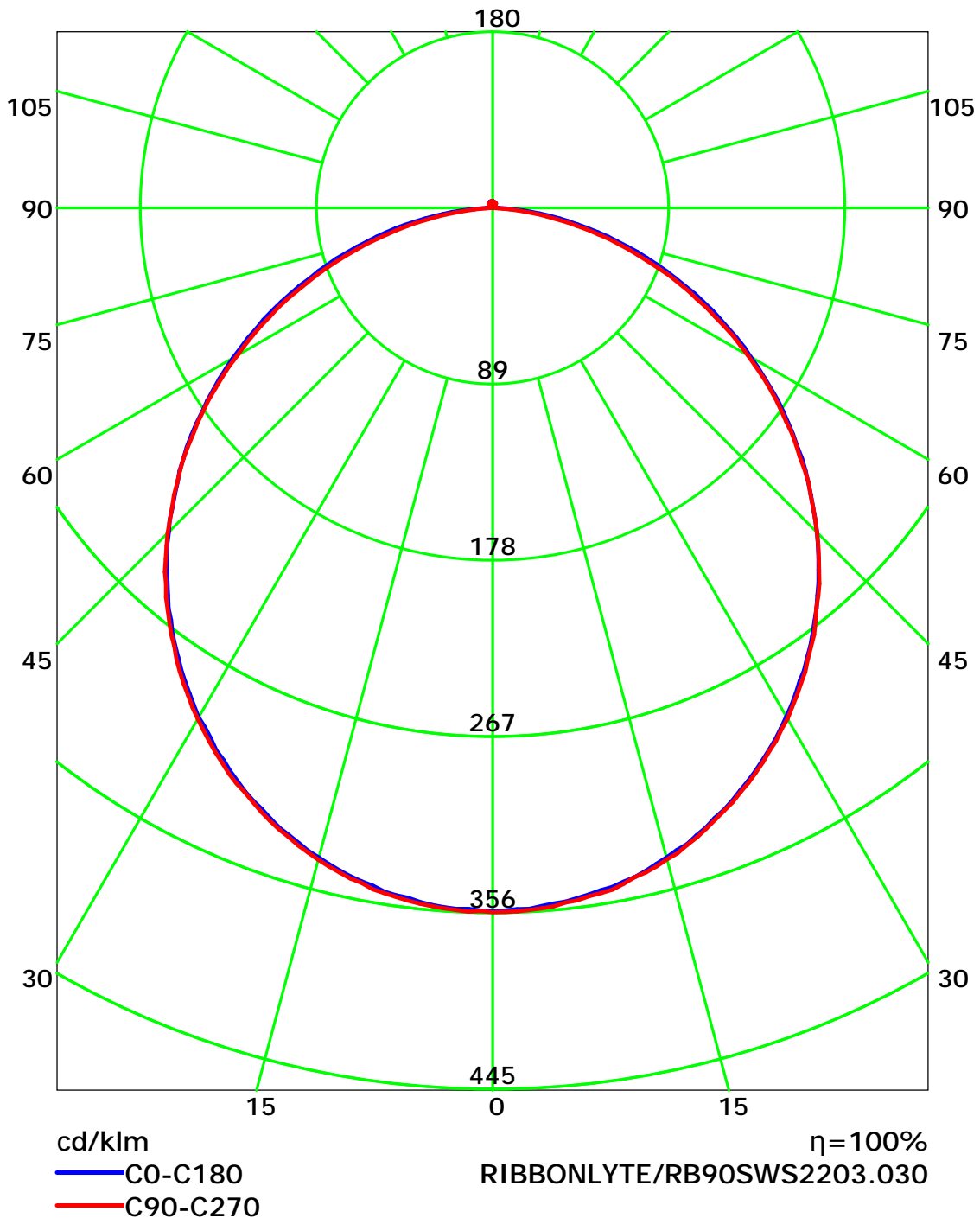


C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator: Nick

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:

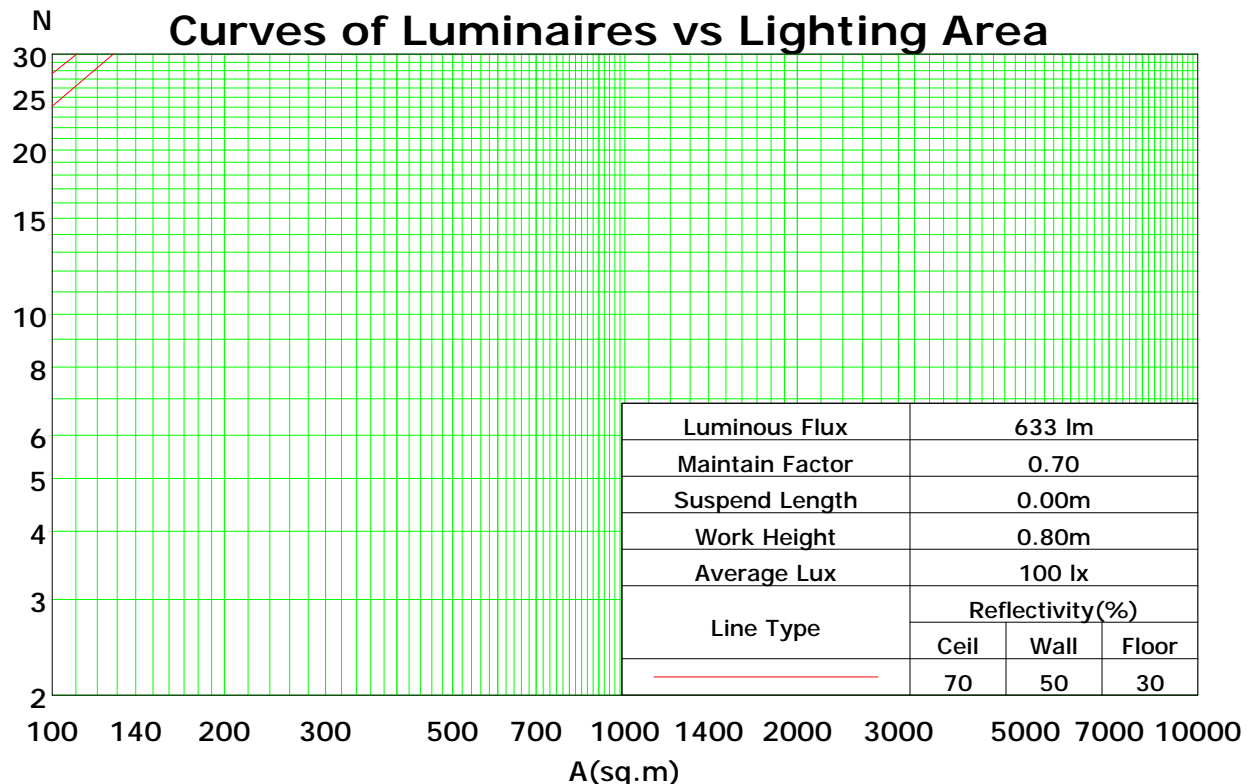
## Coefficients Of Utilization - Zonal Cavity Method

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	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	78	75	72	69
3	90	80	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	71	62	55	80	69	61	55	66	59	54	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	51	43	37	63	51	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	33	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.25

Spacing Criteria (Diagonal): 1.36



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

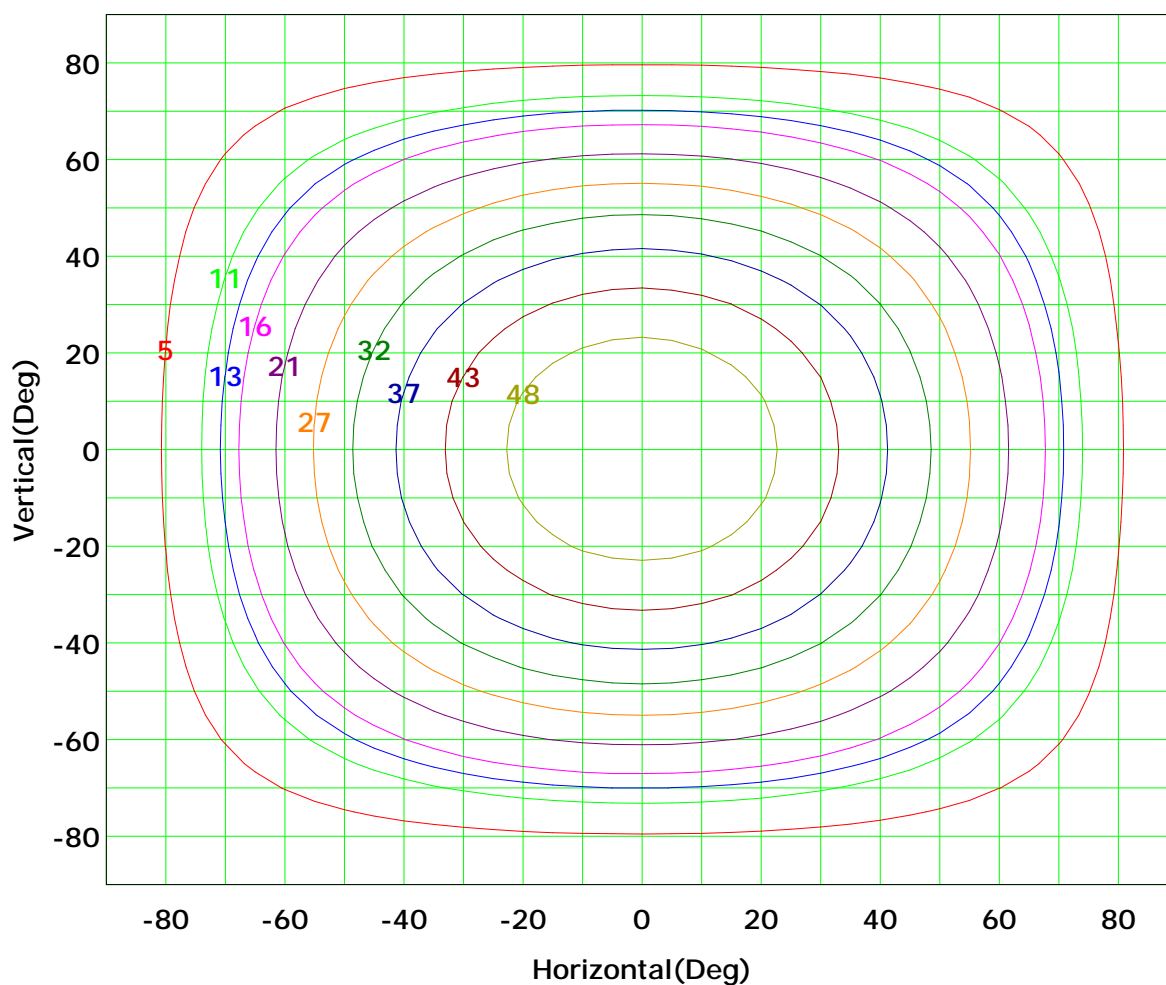
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 53 cd

( 10%):	5 cd	( 20%):	11 cd
( 25%):	13 cd	( 30%):	16 cd
( 40%):	21 cd	( 50%):	27 cd
( 60%):	32 cd	( 70%):	37 cd
( 80%):	43 cd	( 90%):	48 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

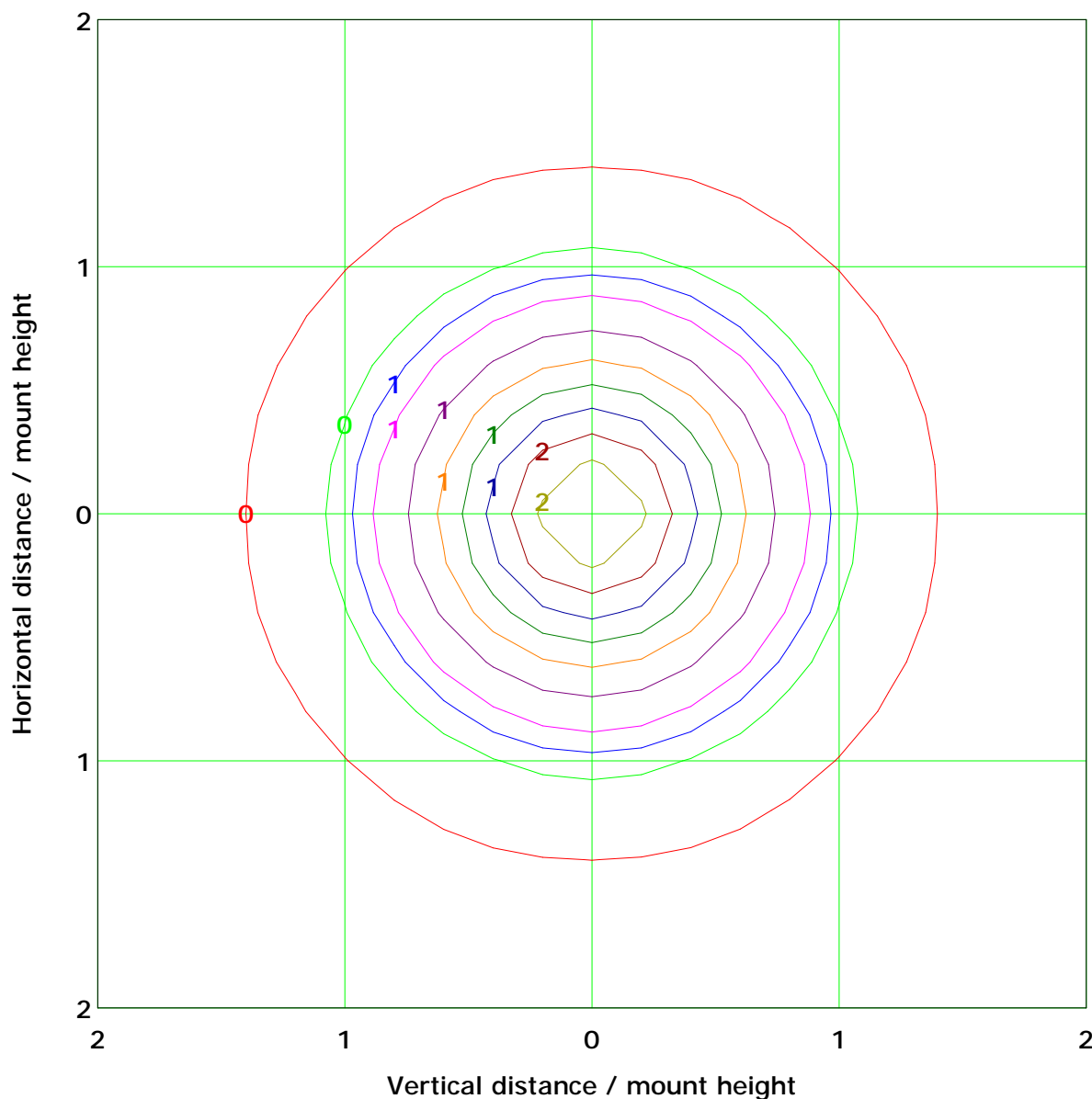
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.1 lx

( 10%): 0.2 lx	( 20%): 0.4 lx
( 25%): 0.5 lx	( 30%): 0.6 lx
( 40%): 0.9 lx	( 50%): 1.1 lx
( 60%): 1.3 lx	( 70%): 1.5 lx
( 80%): 1.7 lx	( 90%): 1.9 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

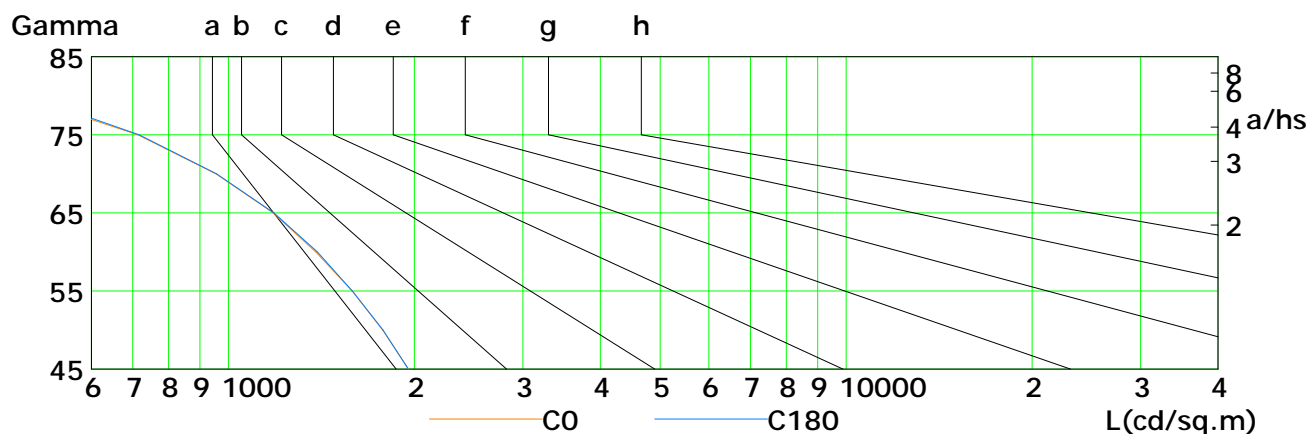
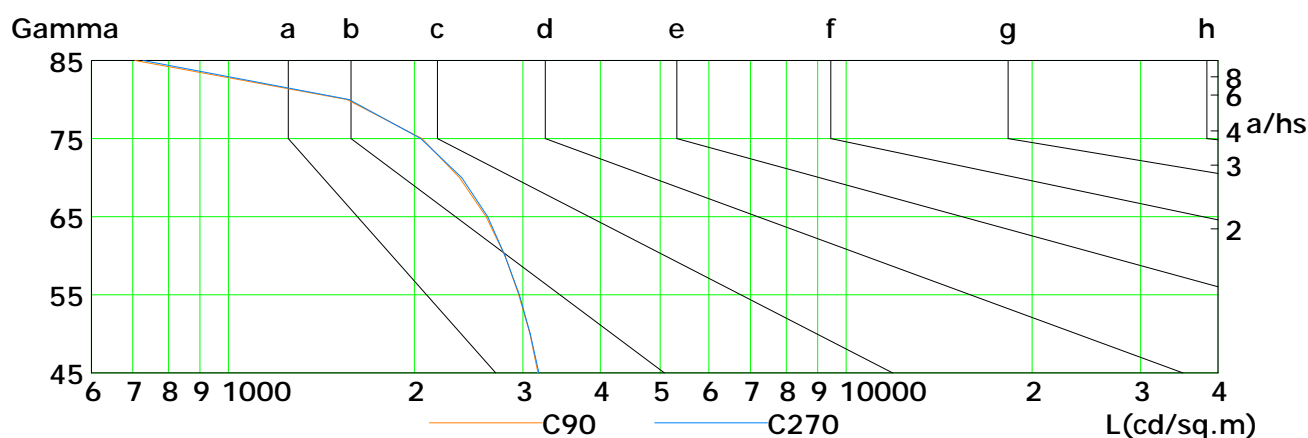
Humidity: 60%

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	1960	1779	1588	1386	1183	955	714	461	204
C90	3172	3078	2952	2805	2615	2367	2059	1556	706
C180	1956	1781	1588	1394	1186	957	717	472	211
C270	3181	3081	2960	2804	2630	2387	2050	1568	727

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

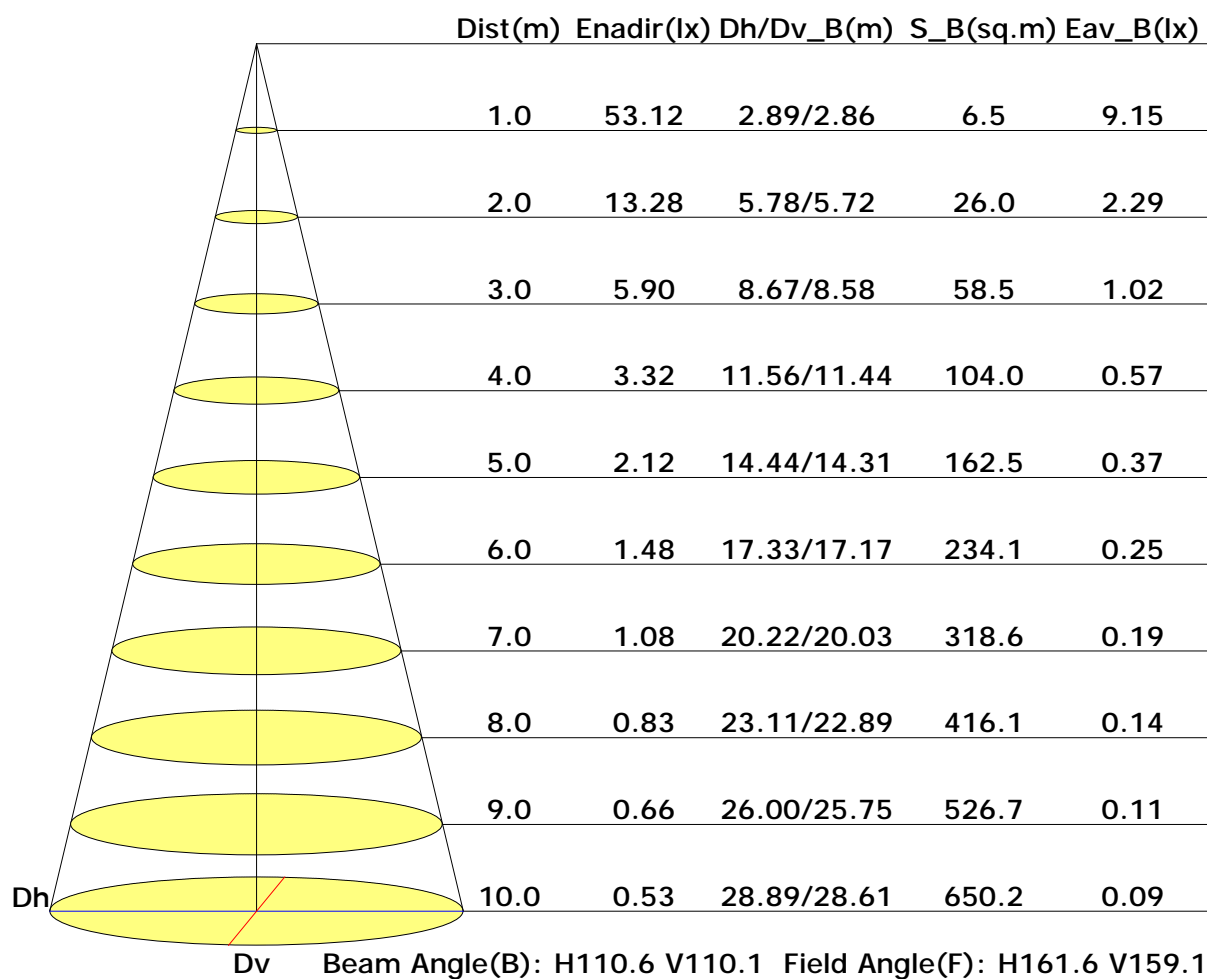
Test Device: GPM-1800B

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

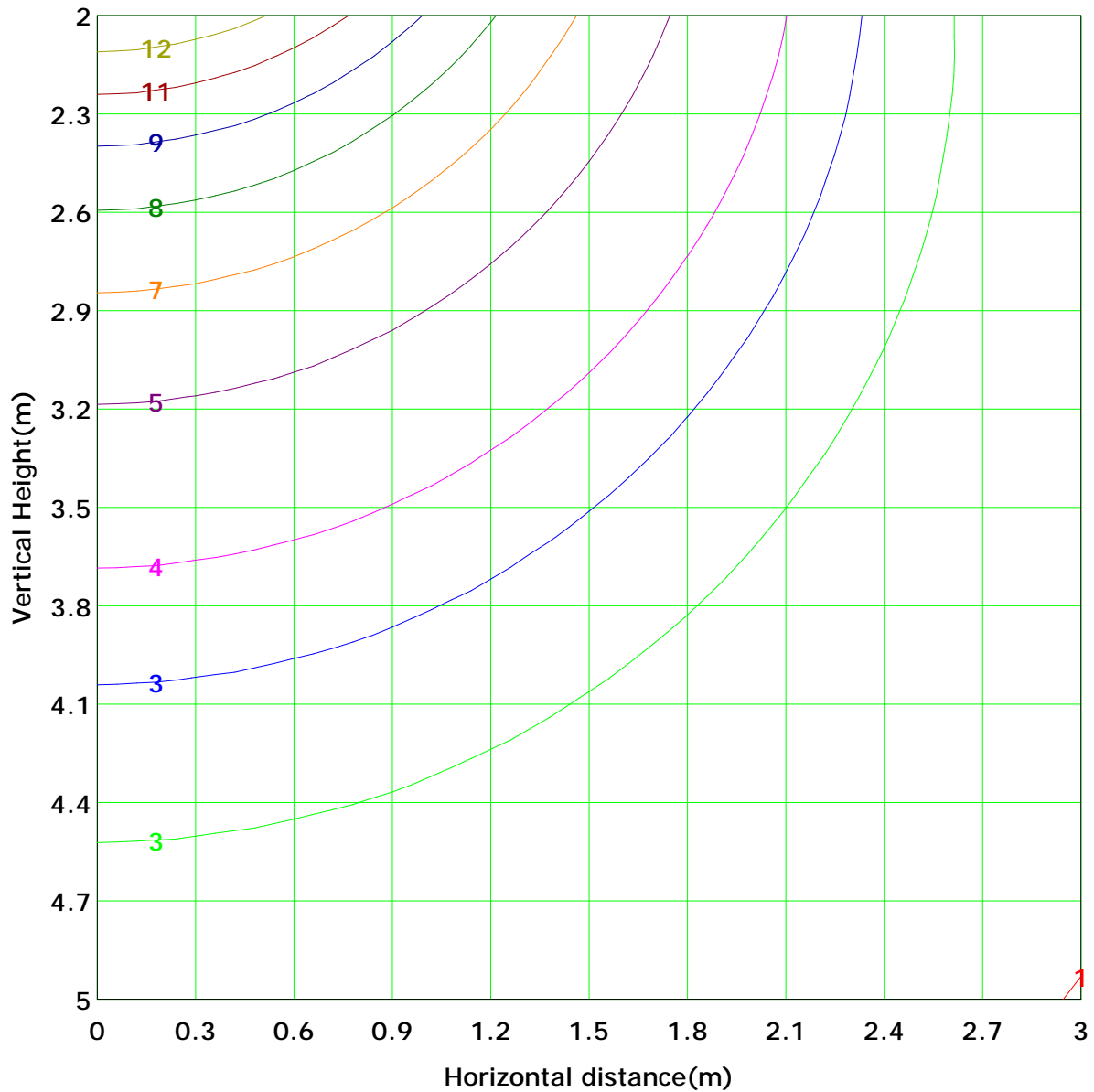
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 13.3 lx
( 10%): 1.3 lx	( 20%): 2.7 lx	
( 25%): 3.3 lx	( 30%): 4.0 lx	
( 40%): 5.3 lx	( 50%): 6.6 lx	
( 60%): 8.0 lx	( 70%): 9.3 lx	
( 80%): 10.6 lx	( 90%): 12.0 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

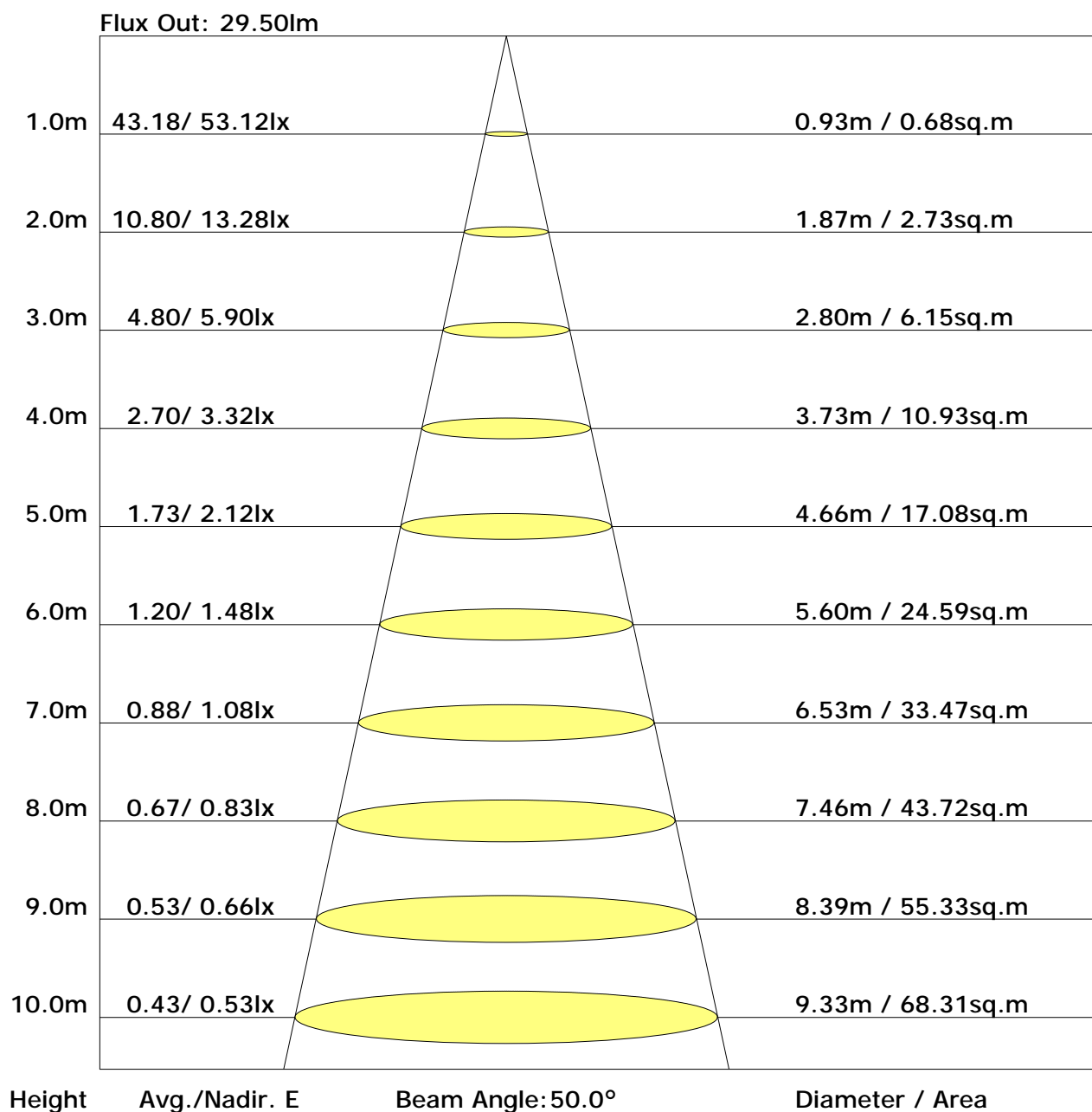
Unit: lm

		Vertical plane																		Flux(T)		Flux(E)	
		Horizontal plane																					
Flux(T)	Flux(E)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)	
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	148	
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	0.4	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	2.3	1.9	
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	4.6	4.5	
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	6.9	6.9	
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	9.1	9.0	
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	10.9	10.9	
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	12.3	12.3	
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	13.3	13.3	
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	13.9	13.8	
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	0.0	0.0	13.9	13.8	
-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	13.3	13.3	
-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	12.3	12.3	
-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	10.9	10.9	
-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	9.1	9.0	
-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	7.0	6.9	
-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	4.7	4.6	
-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	2.4	2.0	
-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	0.5	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	0.5	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	21.5	23.1	21.9	23.4	23.8	20.1	21.7	20.5	22.1	22.4
3H	23.2	24.7	23.6	25.0	25.4	21.5	22.9	21.9	23.3	23.6
4H	23.9	25.2	24.3	25.6	26.0	21.9	23.2	22.3	23.6	24.0
6H	24.3	25.6	24.7	26.0	26.4	22.1	23.3	22.5	23.7	24.1
8H	24.4	25.6	24.9	26.1	26.5	22.1	23.3	22.5	23.7	24.1
12H	24.5	25.7	25.0	26.1	26.5	22.1	23.2	22.5	23.6	24.1
X=4H Y=2H	21.9	23.2	22.3	23.6	24.0	20.7	22.1	21.2	22.5	22.9
3H	23.8	24.9	24.2	25.3	25.8	22.3	23.4	22.7	23.8	24.2
4H	24.5	25.5	24.9	26.0	26.4	22.7	23.8	23.2	24.2	24.7
6H	25.0	25.9	25.5	26.4	26.9	23.0	23.9	23.5	24.4	24.9
8H	25.2	26.0	25.7	26.5	27.0	23.1	23.9	23.5	24.4	24.8
12H	25.3	26.0	25.8	26.5	27.0	23.1	23.8	23.6	24.3	24.8
X=8H Y=4H	24.6	25.4	25.1	25.9	26.4	23.0	23.8	23.5	24.3	24.8
6H	25.2	25.9	25.7	26.4	26.9	23.3	24.0	23.8	24.5	25.0
8H	25.4	26.0	25.9	26.5	27.0	23.4	24.0	23.9	24.5	25.0
12H	25.5	26.1	26.0	26.6	27.2	23.4	23.9	23.9	24.5	25.0
X=12H Y=4H	24.6	25.4	25.1	25.8	26.3	23.0	23.8	23.5	24.3	24.8
6H	25.2	25.8	25.7	26.3	26.9	23.4	24.0	23.9	24.5	25.0
8H	25.4	26.0	25.9	26.5	27.0	23.4	24.0	24.0	24.5	25.1

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	0.57	0.67	0.74	0.80	0.87	0.92	0.96	1.00	1.03
	0.30		0.49	0.59	0.67	0.73	0.81	0.87	0.91	0.96	1.00
	0.20		0.43	0.54	0.61	0.67	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.48	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.63	0.70	0.74	0.81	0.85	0.88	0.92	0.95
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93
	0.20		0.42	0.52	0.60	0.65	0.73	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.69	0.74	0.78	0.82	0.85
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	0.99	0.82	0.69	0.60	0.48	0.40	0.34	0.26	0.21
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.20
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.50	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.41	0.32	0.25	0.20
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.22	0.19
0.30	0.50	0.20	0.93	0.75	0.64	0.55	0.44	0.36	0.31	0.24	0.19
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.27	0.22	0.18
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.21	0.17	0.14
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	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	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	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	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
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	53.2	0.1	0.1	0.03	0.03
1.0-2.0	53.1	0.2	0.2	0.10	0.14
2.0-3.0	53.1	0.3	0.5	0.17	0.31
3.0-4.0	53.1	0.4	0.8	0.24	0.54
4.0-5.0	53.0	0.5	1.3	0.31	0.85
5.0-6.0	52.9	0.6	1.8	0.37	1.22
6.0-7.0	52.7	0.7	2.5	0.44	1.66
7.0-8.0	52.6	0.8	3.2	0.50	2.16
8.0-9.0	52.5	0.9	4.1	0.57	2.73
9.0-10.0	52.3	0.9	5.0	0.63	3.36
10.0-11.0	52.1	1.0	6.1	0.70	4.06
11.0-12.0	51.9	1.1	7.2	0.76	4.82
12.0-13.0	51.6	1.2	8.4	0.82	5.64
13.0-14.0	51.4	1.3	9.7	0.88	6.52
14.0-15.0	51.1	1.4	11.1	0.94	7.46
15.0-16.0	50.8	1.5	12.6	1.00	8.45
16.0-17.0	50.5	1.6	14.2	1.05	9.50
17.0-18.0	50.1	1.7	15.9	1.11	10.61
18.0-19.0	49.8	1.7	17.6	1.16	11.77
19.0-20.0	49.4	1.8	19.4	1.21	12.98
20.0-21.0	49.0	1.9	21.3	1.26	14.24
21.0-22.0	48.6	2.0	23.2	1.31	15.55
22.0-23.0	48.2	2.0	25.3	1.35	16.90
23.0-24.0	47.8	2.1	27.3	1.40	18.30
24.0-25.0	47.3	2.2	29.5	1.44	19.74
25.0-26.0	46.8	2.2	31.7	1.48	21.22
26.0-27.0	46.3	2.3	34.0	1.52	22.73
27.0-28.0	45.8	2.3	36.3	1.55	24.29
28.0-29.0	45.3	2.4	38.7	1.59	25.87
29.0-30.0	44.8	2.4	41.1	1.62	27.49
30.0-31.0	44.2	2.5	43.6	1.65	29.14
31.0-32.0	43.7	2.5	46.1	1.67	30.81
32.0-33.0	43.1	2.5	48.6	1.70	32.51
33.0-34.0	42.5	2.6	51.2	1.72	34.23
34.0-35.0	41.9	2.6	53.8	1.74	35.97
35.0-36.0	41.3	2.6	56.4	1.76	37.73

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 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	40.6	2.7	59.0	1.77	39.50
37.0-38.0	40.0	2.7	61.7	1.79	41.29
38.0-39.0	39.3	2.7	64.4	1.80	43.08
39.0-40.0	38.6	2.7	67.1	1.80	44.89
40.0-41.0	38.0	2.7	69.8	1.81	46.70
41.0-42.0	37.3	2.7	72.5	1.81	48.51
42.0-43.0	36.5	2.7	75.2	1.81	50.32
43.0-44.0	35.8	2.7	77.9	1.81	52.13
44.0-45.0	35.1	2.7	80.6	1.80	53.93
45.0-46.0	34.3	2.7	83.3	1.80	55.73
46.0-47.0	33.6	2.7	86.0	1.79	57.52
47.0-48.0	32.8	2.7	88.6	1.77	59.29
48.0-49.0	32.0	2.6	91.2	1.76	61.05
49.0-50.0	31.3	2.6	93.9	1.74	62.79
50.0-51.0	30.5	2.6	96.4	1.72	64.52
51.0-52.0	29.6	2.5	99.0	1.70	66.22
52.0-53.0	28.8	2.5	101.5	1.68	67.90
53.0-54.0	28.0	2.5	104.0	1.65	69.55
54.0-55.0	27.2	2.4	106.4	1.62	71.17
55.0-56.0	26.3	2.4	108.8	1.59	72.77
56.0-57.0	25.5	2.3	111.1	1.56	74.33
57.0-58.0	24.6	2.3	113.4	1.52	75.85
58.0-59.0	23.8	2.2	115.6	1.49	77.34
59.0-60.0	22.9	2.2	117.8	1.45	78.79
60.0-61.0	22.1	2.1	119.9	1.41	80.20
61.0-62.0	21.2	2.0	121.9	1.37	81.56
62.0-63.0	20.3	2.0	123.9	1.32	82.89
63.0-64.0	19.4	1.9	125.8	1.28	84.16
64.0-65.0	18.6	1.8	127.6	1.23	85.39
65.0-66.0	17.7	1.8	129.4	1.18	86.57
66.0-67.0	16.8	1.7	131.1	1.13	87.70
67.0-68.0	15.9	1.6	132.7	1.08	88.77
68.0-69.0	15.0	1.5	134.2	1.02	89.80
69.0-70.0	14.1	1.5	135.7	0.97	90.77
70.0-71.0	13.3	1.4	137.0	0.92	91.69
71.0-72.0	12.4	1.3	138.3	0.86	92.55

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 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	11.5	1.2	139.5	0.81	93.35
73.0-74.0	10.7	1.1	140.7	0.75	94.11
74.0-75.0	9.8	1.0	141.7	0.69	94.80
75.0-76.0	9.0	1.0	142.6	0.64	95.44
76.0-77.0	8.2	0.9	143.5	0.58	96.02
77.0-78.0	7.4	0.8	144.3	0.53	96.55
78.0-79.0	6.5	0.7	145.0	0.47	97.02
79.0-80.0	5.8	0.6	145.6	0.42	97.43
80.0-81.0	5.0	0.5	146.2	0.36	97.79
81.0-82.0	4.2	0.5	146.6	0.31	98.10
82.0-83.0	3.5	0.4	147.0	0.25	98.35
83.0-84.0	2.8	0.3	147.3	0.20	98.56
84.0-85.0	2.1	0.2	147.5	0.15	98.71
85.0-86.0	1.4	0.2	147.7	0.10	98.81
86.0-87.0	0.9	0.1	147.8	0.06	98.88
87.0-88.0	0.5	0.0	147.8	0.03	98.91
88.0-89.0	0.2	0.0	147.9	0.01	98.92
89.0-90.0	0.1	0.0	147.9	0.01	98.93
90.0-91.0	0.1	0.0	147.9	0.01	98.93
91.0-92.0	0.1	0.0	147.9	0.01	98.94
92.0-93.0	0.1	0.0	147.9	0.01	98.95
93.0-94.0	0.1	0.0	147.9	0.01	98.95
94.0-95.0	0.1	0.0	147.9	0.01	98.96
95.0-96.0	0.1	0.0	147.9	0.01	98.97
96.0-97.0	0.1	0.0	147.9	0.01	98.98
97.0-98.0	0.1	0.0	147.9	0.01	98.99
98.0-99.0	0.1	0.0	148.0	0.01	98.99
99.0-100.0	0.1	0.0	148.0	0.01	99.00
100.0-101.0	0.1	0.0	148.0	0.01	99.01
101.0-102.0	0.1	0.0	148.0	0.01	99.02
102.0-103.0	0.1	0.0	148.0	0.01	99.03
103.0-104.0	0.1	0.0	148.0	0.01	99.04
104.0-105.0	0.1	0.0	148.0	0.01	99.05
105.0-106.0	0.2	0.0	148.1	0.01	99.06
106.0-107.0	0.2	0.0	148.1	0.01	99.07
107.0-108.0	0.2	0.0	148.1	0.01	99.09

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	0.2	0.0	148.1	0.01	99.10
109.0-110.0	0.2	0.0	148.1	0.01	99.11
110.0-111.0	0.2	0.0	148.2	0.01	99.13
111.0-112.0	0.2	0.0	148.2	0.01	99.14
112.0-113.0	0.2	0.0	148.2	0.01	99.16
113.0-114.0	0.2	0.0	148.2	0.01	99.17
114.0-115.0	0.2	0.0	148.2	0.01	99.18
115.0-116.0	0.2	0.0	148.3	0.01	99.20
116.0-117.0	0.2	0.0	148.3	0.01	99.21
117.0-118.0	0.2	0.0	148.3	0.01	99.23
118.0-119.0	0.2	0.0	148.3	0.02	99.24
119.0-120.0	0.2	0.0	148.4	0.02	99.26
120.0-121.0	0.2	0.0	148.4	0.01	99.27
121.0-122.0	0.2	0.0	148.4	0.01	99.29
122.0-123.0	0.3	0.0	148.4	0.02	99.30
123.0-124.0	0.3	0.0	148.4	0.02	99.32
124.0-125.0	0.3	0.0	148.5	0.02	99.34
125.0-126.0	0.3	0.0	148.5	0.02	99.35
126.0-127.0	0.3	0.0	148.5	0.02	99.37
127.0-128.0	0.3	0.0	148.5	0.02	99.39
128.0-129.0	0.3	0.0	148.6	0.02	99.40
129.0-130.0	0.3	0.0	148.6	0.02	99.42
130.0-131.0	0.3	0.0	148.6	0.02	99.44
131.0-132.0	0.3	0.0	148.6	0.02	99.46
132.0-133.0	0.3	0.0	148.7	0.02	99.47
133.0-134.0	0.3	0.0	148.7	0.02	99.49
134.0-135.0	0.3	0.0	148.7	0.02	99.51
135.0-136.0	0.3	0.0	148.8	0.02	99.52
136.0-137.0	0.3	0.0	148.8	0.02	99.54
137.0-138.0	0.3	0.0	148.8	0.02	99.56
138.0-139.0	0.3	0.0	148.8	0.02	99.57
139.0-140.0	0.3	0.0	148.9	0.02	99.59
140.0-141.0	0.4	0.0	148.9	0.02	99.61
141.0-142.0	0.4	0.0	148.9	0.02	99.63
142.0-143.0	0.4	0.0	148.9	0.02	99.64
143.0-144.0	0.4	0.0	149.0	0.02	99.66

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	0.4	0.0	149.0	0.02	99.67
145.0-146.0	0.4	0.0	149.0	0.02	99.69
146.0-147.0	0.4	0.0	149.0	0.02	99.71
147.0-148.0	0.4	0.0	149.0	0.02	99.72
148.0-149.0	0.4	0.0	149.1	0.02	99.74
149.0-150.0	0.4	0.0	149.1	0.02	99.75
150.0-151.0	0.4	0.0	149.1	0.01	99.77
151.0-152.0	0.4	0.0	149.1	0.01	99.78
152.0-153.0	0.4	0.0	149.2	0.01	99.79
153.0-154.0	0.4	0.0	149.2	0.01	99.81
154.0-155.0	0.4	0.0	149.2	0.01	99.82
155.0-156.0	0.4	0.0	149.2	0.01	99.84
156.0-157.0	0.4	0.0	149.2	0.01	99.85
157.0-158.0	0.5	0.0	149.3	0.01	99.86
158.0-159.0	0.5	0.0	149.3	0.01	99.87
159.0-160.0	0.4	0.0	149.3	0.01	99.88
160.0-161.0	0.5	0.0	149.3	0.01	99.90
161.0-162.0	0.4	0.0	149.3	0.01	99.91
162.0-163.0	0.4	0.0	149.3	0.01	99.92
163.0-164.0	0.5	0.0	149.4	0.01	99.92
164.0-165.0	0.5	0.0	149.4	0.01	99.93
165.0-166.0	0.5	0.0	149.4	0.01	99.94
166.0-167.0	0.5	0.0	149.4	0.01	99.95
167.0-168.0	0.5	0.0	149.4	0.01	99.96
168.0-169.0	0.5	0.0	149.4	0.01	99.96
169.0-170.0	0.5	0.0	149.4	0.01	99.97
170.0-171.0	0.5	0.0	149.4	0.01	99.98
171.0-172.0	0.5	0.0	149.4	0.01	99.98
172.0-173.0	0.5	0.0	149.4	0.00	99.99
173.0-174.0	0.5	0.0	149.4	0.00	99.99
174.0-175.0	0.5	0.0	149.5	0.00	99.99
175.0-176.0	0.5	0.0	149.5	0.00	100.00
176.0-177.0	0.5	0.0	149.5	0.00	100.00
177.0-178.0	0.5	0.0	149.5	0.00	100.00
178.0-179.0	0.5	0.0	149.5	0.00	100.00
179.0-180.0	0.5	0.0	149.5	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: