

Report No.:

Test Time: 2021/2/5 18:13

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: FLEXBACKLYTE

Lamp Catalog: 5050 RGBW 4IN1

Luminous Length (mm): 304

Luminous Height (mm): 2

Current: 0.230 A

Power Factor: 1.000

Luminaire Description: FBL242022RGB30-WHITE

Number of Lamps: 144 5050RGBW

Luminous Width (mm): 304

Voltage: 24.0 V

Power: 5.52 W

## Photometric Results

CIE Class: Direct

Measurement Flux: 591.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H159.2,H113.6

Vertical Diffuse Angle(10%,50%): V160,V112.1

Luminaire Efficacy Rating (LER): 107

Max. Intensity: 206.2 cd

Total Rated Lamp Lumens: 591.5 lm

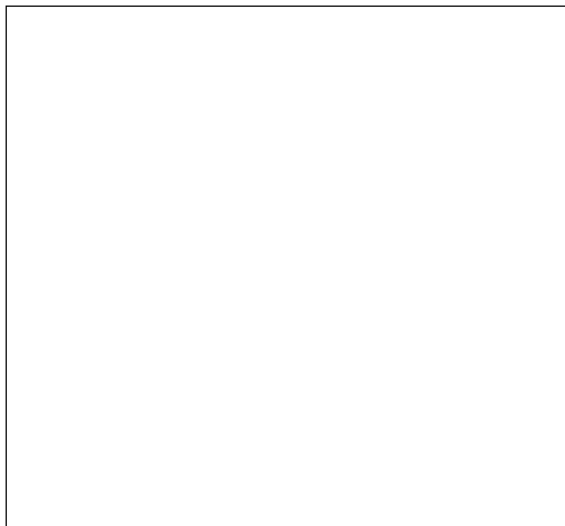
Efficiency: 100%

Upward Ratio: 1%

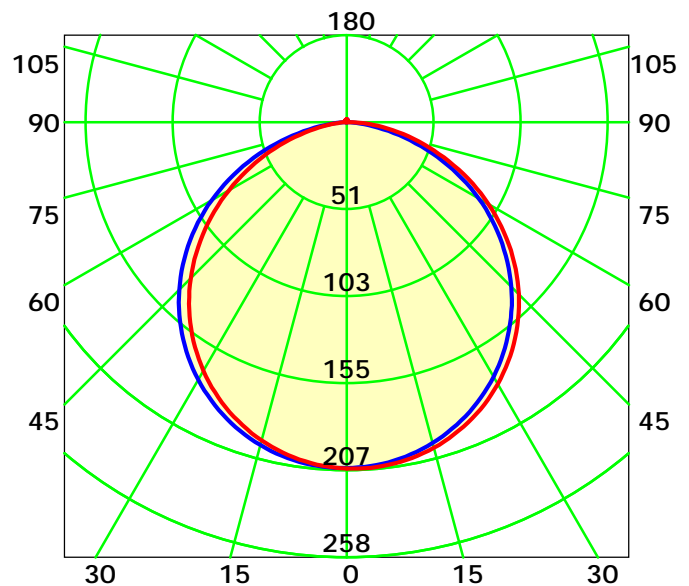
Central Intensity: 205.63 cd

Pos of Max. Intensity: H120 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 112.8° 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

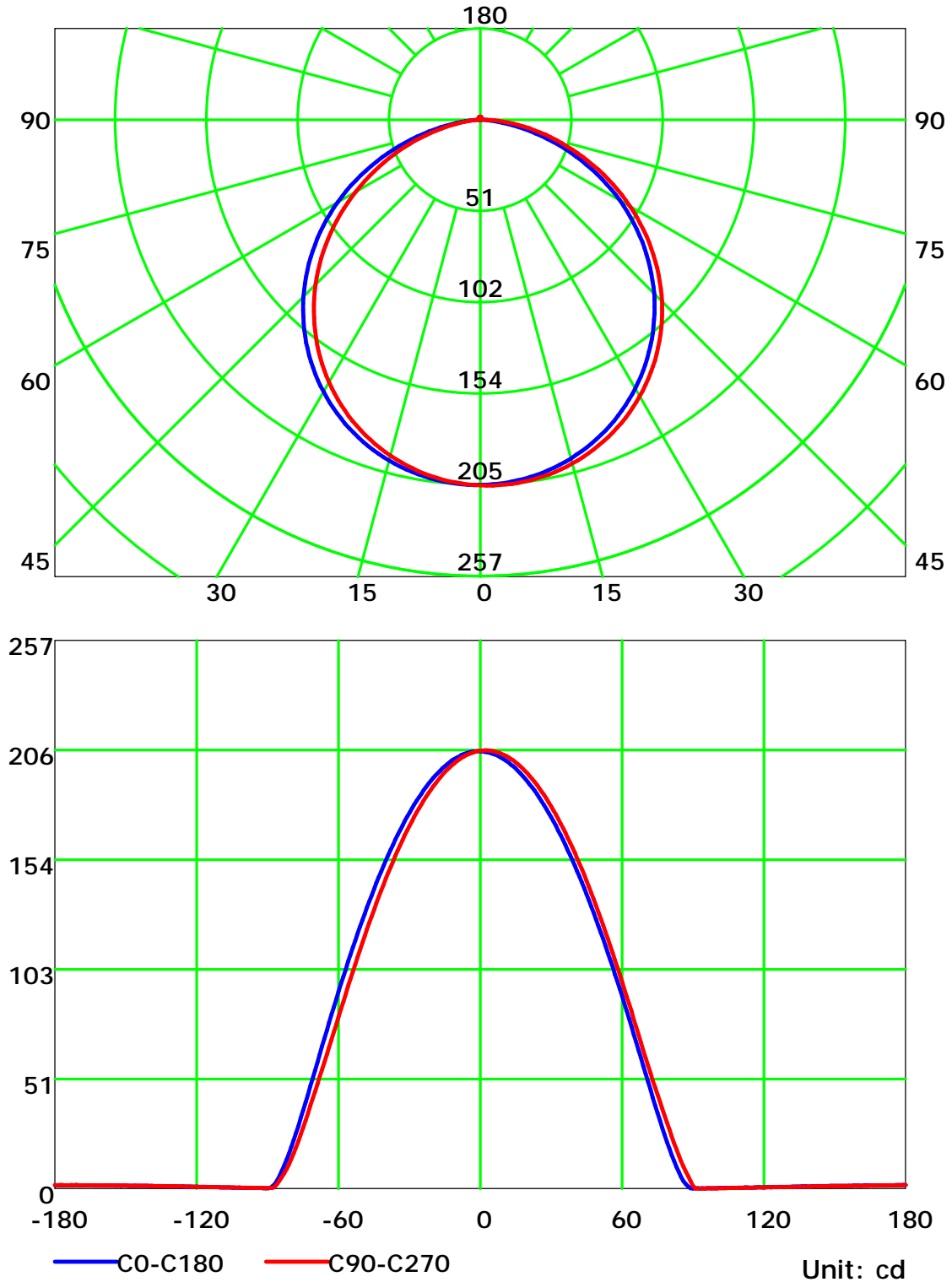
Distance: 9.028 m

Humidity: 60%

Inspector:



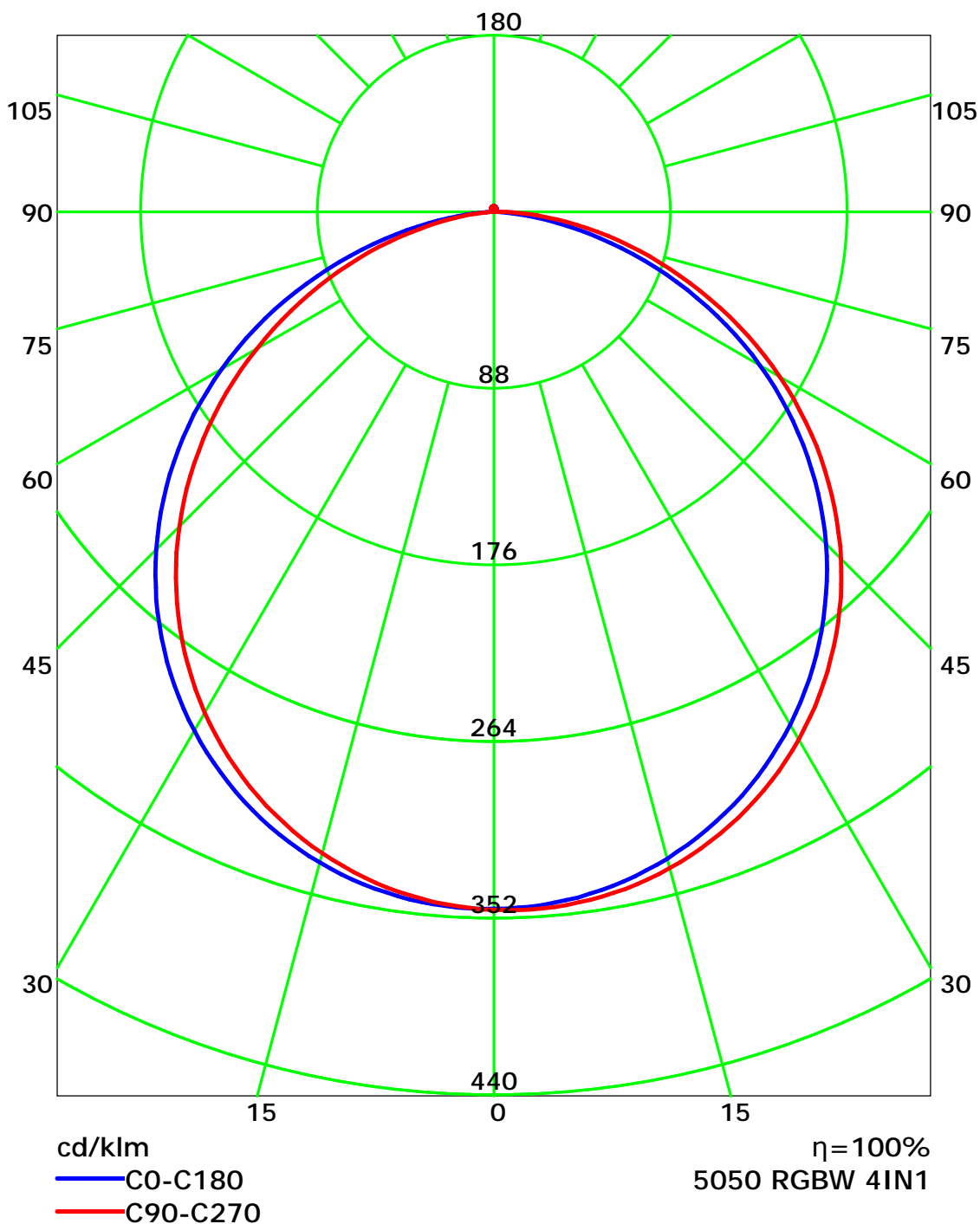
## Luminous Intensity Distribution Curve



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:

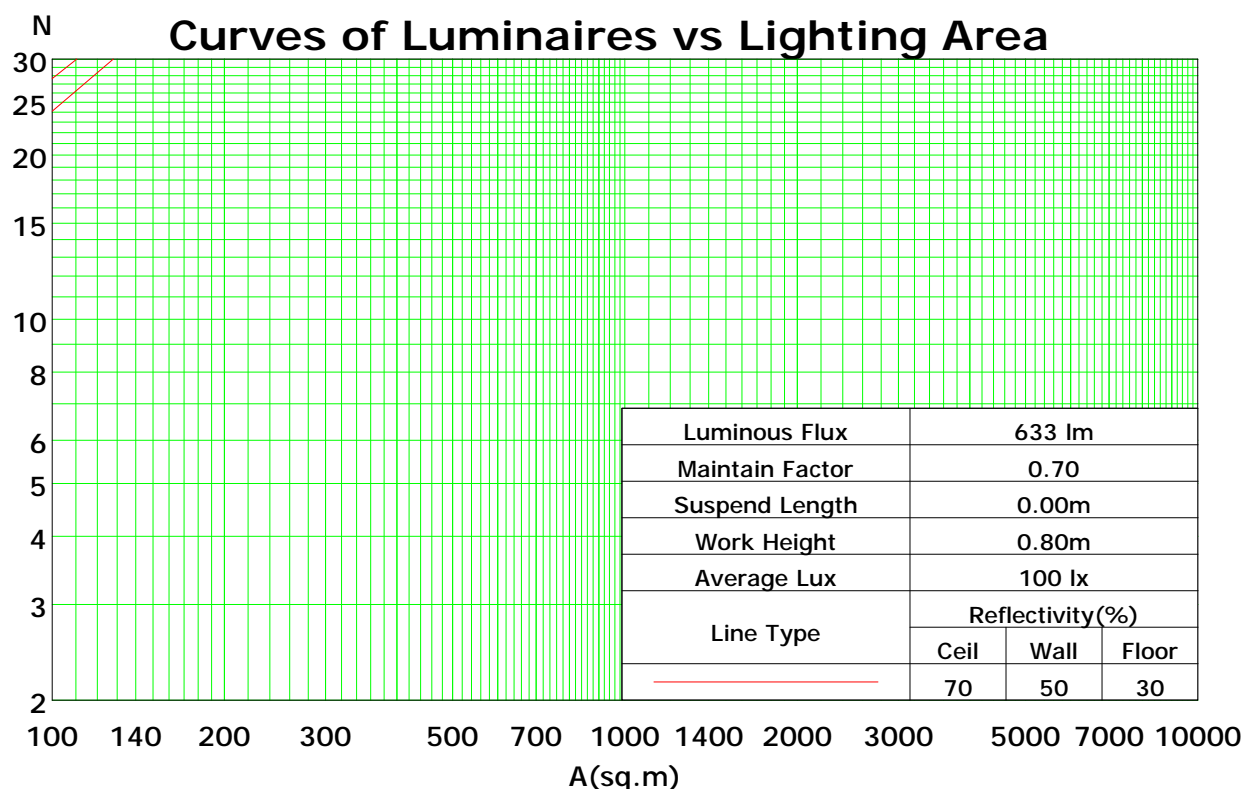
## Coefficients Of Utilization - Zonal Cavity Method

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	91	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	70	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	46	57	51	46	55	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	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	51	39	31	26	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.38



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

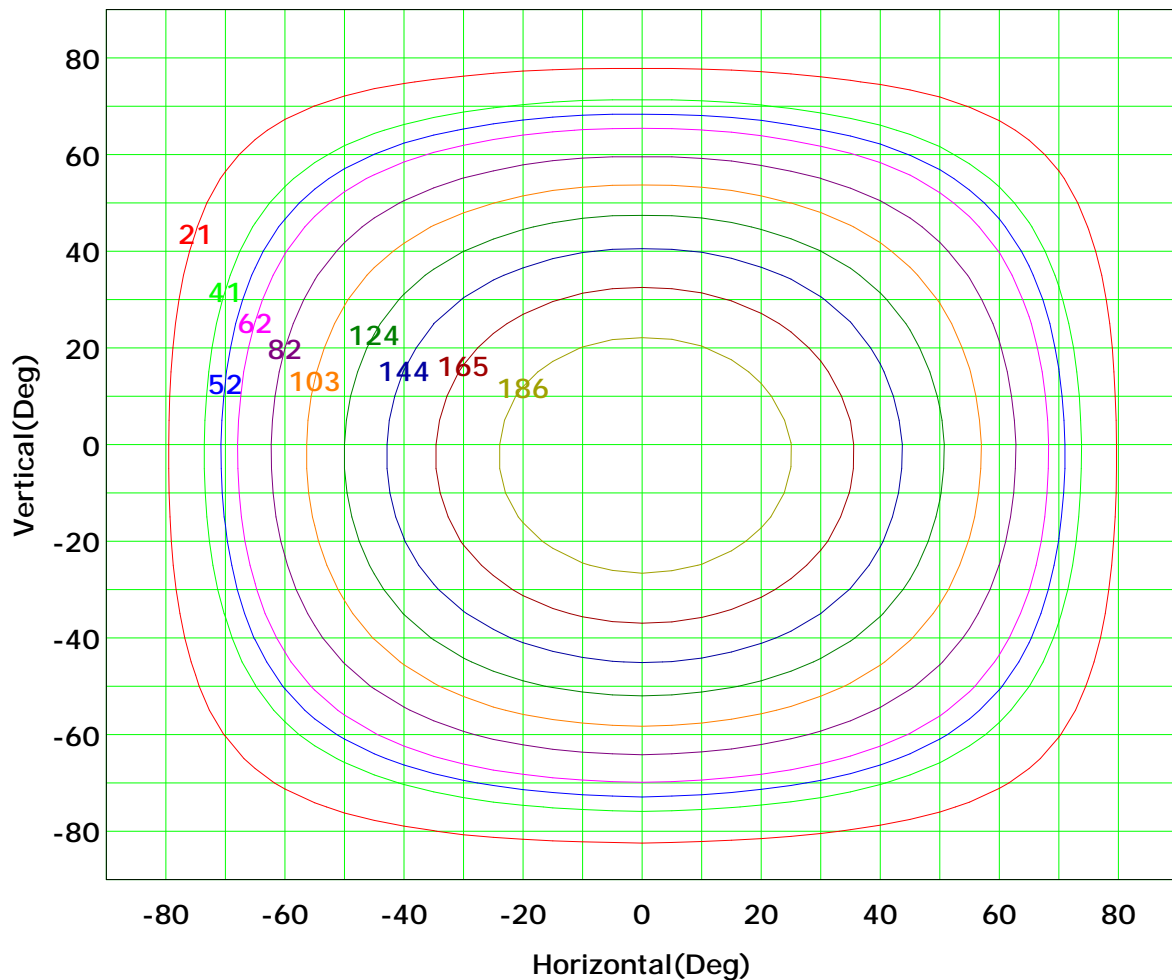
Distance: 9.028 m

Humidity: 60%

Inspector:



## Isocandela (rectangle)



I<sub>max</sub> (100%): 206 cd

( 10%):	21 cd	( 20%):	41 cd
( 25%):	52 cd	( 30%):	62 cd
( 40%):	82 cd	( 50%):	103 cd
( 60%):	124 cd	( 70%):	144 cd
( 80%):	165 cd	( 90%):	186 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

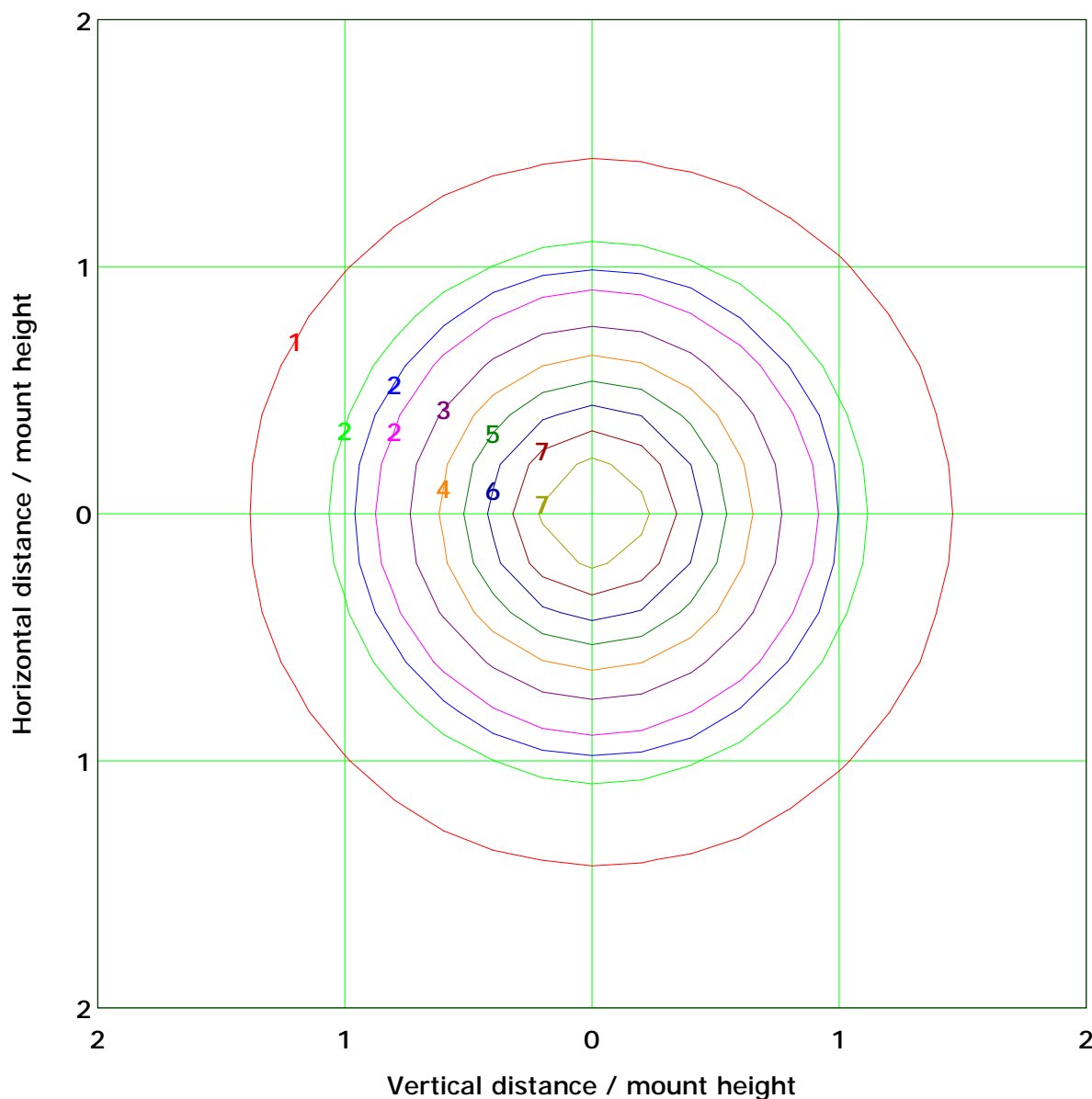
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 8.2 lx

( 10%): 0.8 lx	( 20%): 1.6 lx
( 25%): 2.1 lx	( 30%): 2.5 lx
( 40%): 3.3 lx	( 50%): 4.1 lx
( 60%): 4.9 lx	( 70%): 5.8 lx
( 80%): 6.6 lx	( 90%): 7.4 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

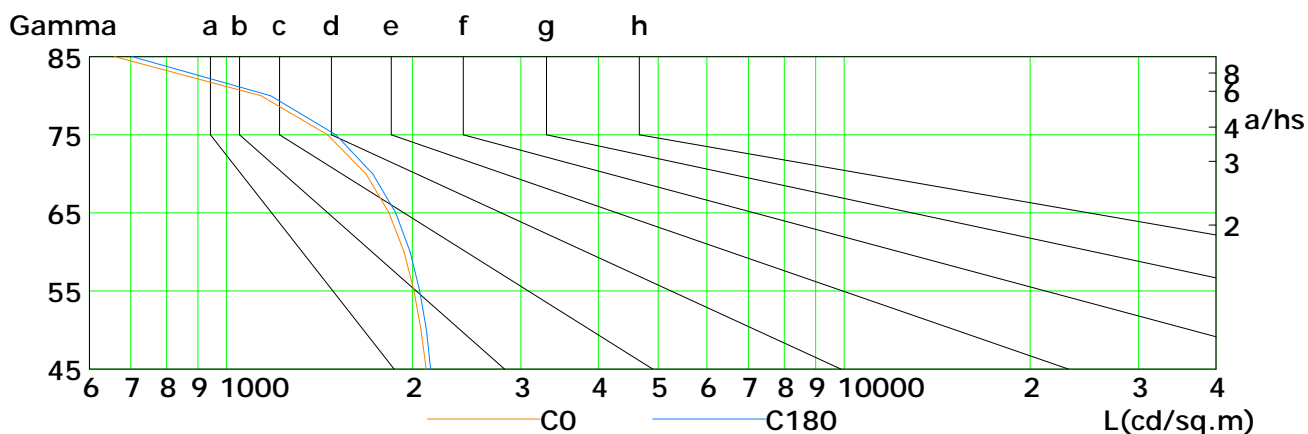
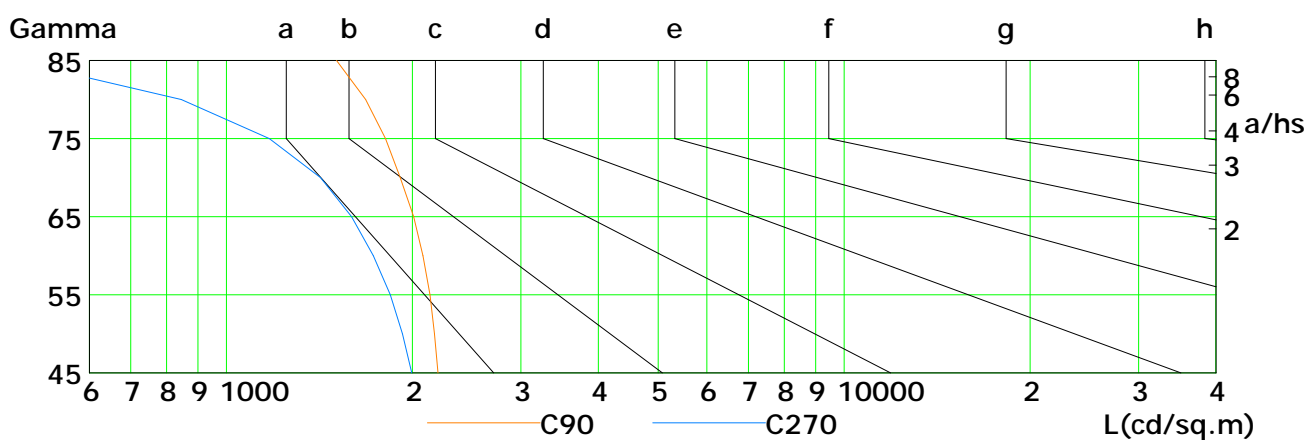
Humidity: 60%

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	2107	2065	2012	1940	1833	1683	1459	1138	659
C90	2201	2173	2136	2082	2010	1913	1811	1680	1508
C180	2143	2108	2056	1984	1880	1725	1505	1179	704
C270	1996	1929	1842	1730	1594	1420	1174	846	455

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

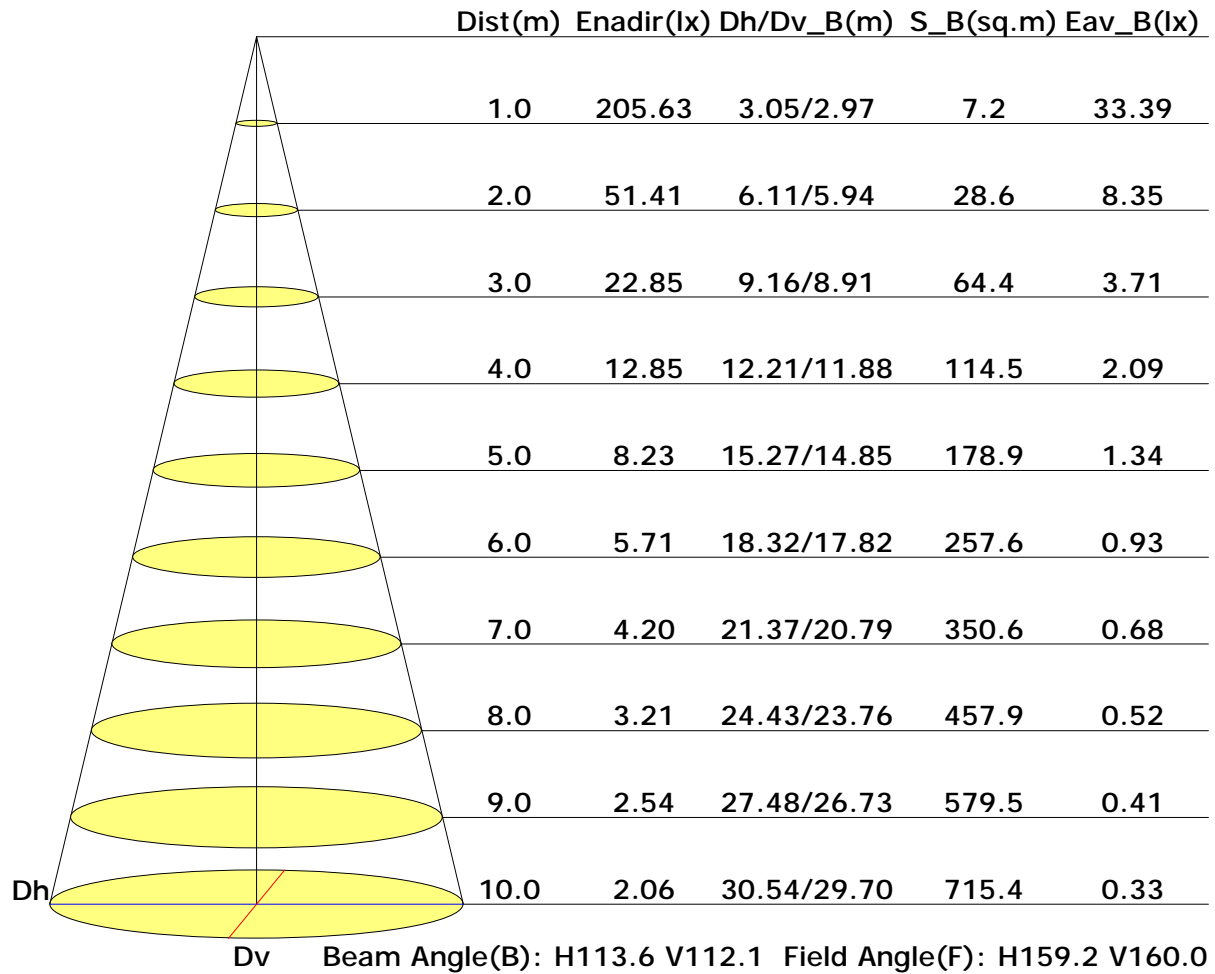
Distance: 9.028 m

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

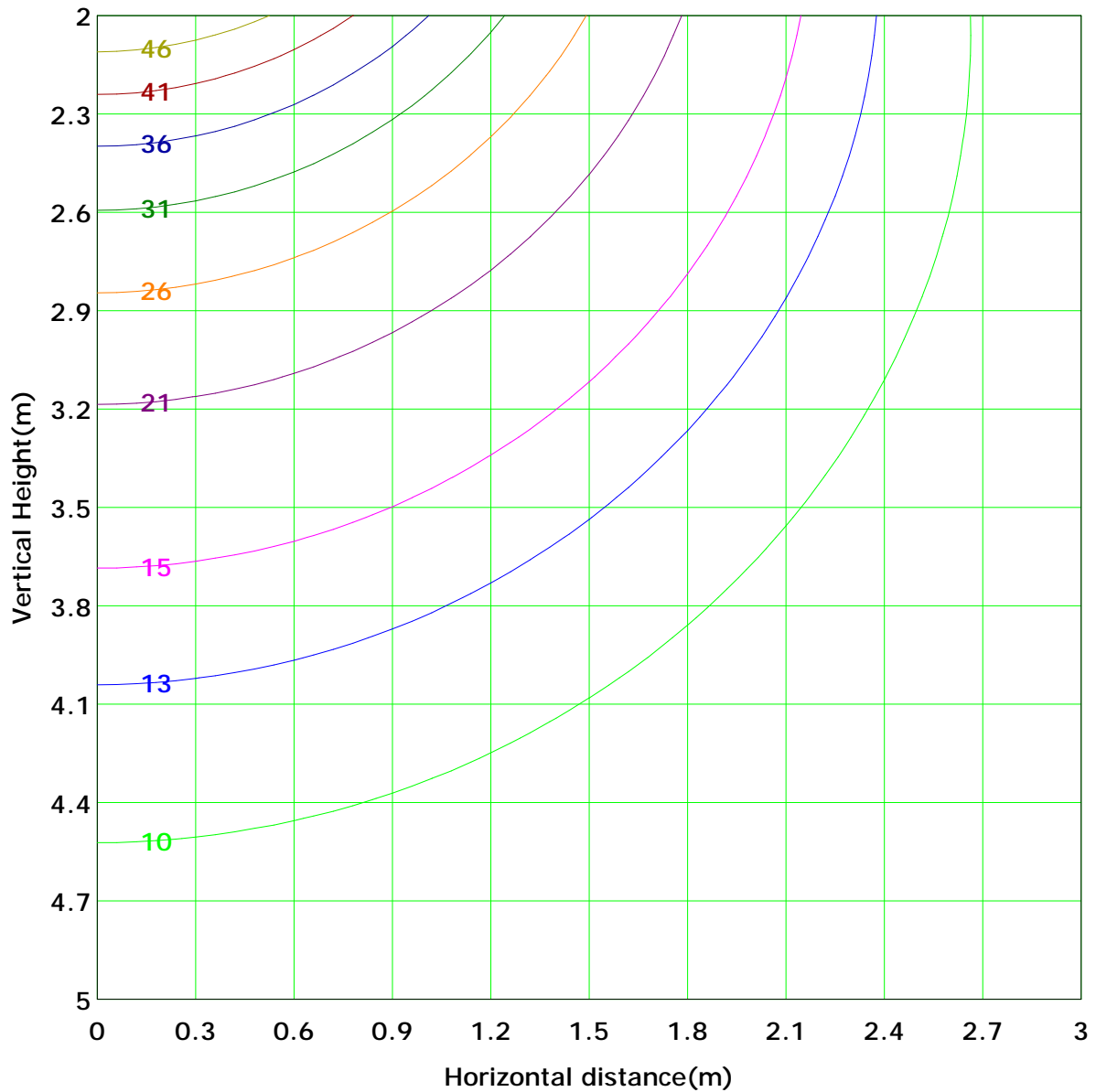
Distance: 9.028 m

Humidity: 60%

Inspector:



## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 51.4 lx
( 10%): 5.1 lx	( 20%): 10.3 lx	
( 25%): 12.9 lx	( 30%): 15.4 lx	
( 40%): 20.6 lx	( 50%): 25.7 lx	
( 60%): 30.8 lx	( 70%): 36.0 lx	
( 80%): 41.1 lx	( 90%): 46.3 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:

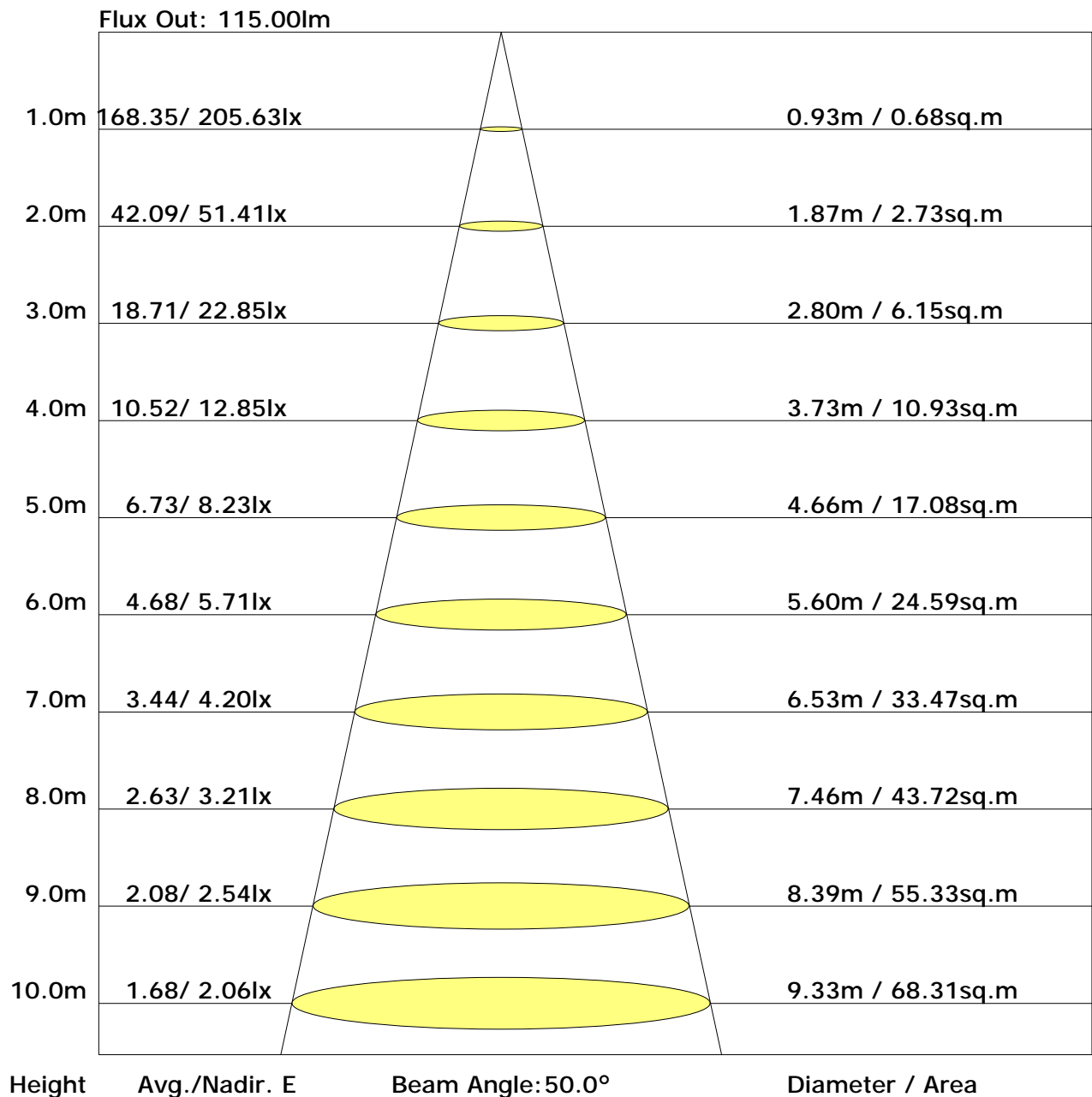
## Area Flux Table

Unit: lm

		Orbit: int																			
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	$\phi_{\text{Flux(T)}}$	$\phi_{\text{Flux(E)}}$
		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3	0.0
		0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.0	7.4	5.2
		0.0	0.1	0.2	0.5	0.8	1.2	1.5	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.5	0.2	0.1	0.0	16.2	15.7
		0.0	0.1	0.4	0.8	1.4	1.9	2.4	2.8	3.0	3.0	2.8	2.4	1.9	1.4	0.8	0.4	0.1	0.0	25.6	25.4
		0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	4.0	4.0	3.7	3.2	2.6	1.9	1.1	0.6	0.2	0.0	34.4	34.3
		0.0	0.2	0.7	1.4	2.3	3.2	3.9	4.5	4.8	4.8	4.5	3.9	3.1	2.3	1.4	0.7	0.2	0.0	42.0	41.9
		0.0	0.3	0.8	1.7	2.6	3.6	4.5	5.1	5.4	5.4	5.1	4.5	3.6	2.6	1.6	0.8	0.3	0.0	47.9	47.8
		0.0	0.3	0.9	1.8	2.9	3.9	4.8	5.5	5.9	5.9	5.5	4.8	3.9	2.8	1.8	0.9	0.3	0.0	52.1	52.0
		0.0	0.3	1.0	1.9	3.0	4.1	5.1	5.8	6.2	6.1	5.8	5.0	4.1	3.0	1.9	0.9	0.3	0.0	54.4	54.3
		0.0	0.3	1.0	1.9	3.0	4.1	5.1	5.8	6.2	6.2	5.8	5.1	4.1	3.0	1.9	0.9	0.3	0.0	54.8	54.7
		0.0	0.3	0.9	1.9	2.9	4.0	5.0	5.7	6.0	6.0	5.6	4.9	4.0	2.9	1.8	0.9	0.3	0.0	53.3	53.2
		0.0	0.3	0.9	1.7	2.7	3.8	4.7	5.3	5.7	5.7	5.3	4.6	3.7	2.7	1.7	0.8	0.3	0.0	49.9	49.8
		0.0	0.2	0.8	1.5	2.4	3.4	4.2	4.8	5.1	5.1	4.8	4.2	3.3	2.4	1.5	0.7	0.2	0.0	44.7	44.6
		0.0	0.2	0.6	1.3	2.0	2.8	3.5	4.1	4.4	4.4	4.1	3.5	2.8	2.0	1.3	0.6	0.2	0.0	37.8	37.7
		0.0	0.1	0.5	1.0	1.6	2.2	2.8	3.2	3.4	3.4	3.2	2.8	2.2	1.6	1.0	0.5	0.1	0.0	29.5	29.3
		0.0	0.1	0.3	0.6	1.1	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.6	0.3	0.1	0.0	20.3	19.9
		0.0	0.0	0.2	0.3	0.6	0.8	1.1	1.2	1.3	1.3	1.2	1.1	0.8	0.6	0.3	0.2	0.0	0.0	11.1	10.2
		0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	3.3	0.7
		0.3	3.0	9.8	19.9	31.8	44.0	54.8	62.8	67.1	67.0	62.7	54.6	43.8	31.6	19.7	9.7	3.0	0.3	586	
		0.0	2.4	9.3	19.3	31.3	43.5	54.2	62.3	66.6	66.5	62.2	54.1	43.3	31.1	19.2	9.1	2.3	0.0		577
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	$\phi_{\text{Flux(T)}}$	$\phi_{\text{Flux(E)}}$
		Horizontal plane																			



## 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	16.4	18.0	16.8	18.3	18.7	16.8	18.4	17.2	18.7	19.1
3H	18.1	19.5	18.5	19.9	20.3	18.6	20.1	19.0	20.4	20.8
4H	18.7	20.0	19.1	20.4	20.8	19.3	20.7	19.8	21.1	21.5
6H	19.0	20.3	19.4	20.7	21.1	19.9	21.2	20.3	21.5	22.0
8H	19.1	20.3	19.5	20.7	21.1	20.1	21.3	20.5	21.7	22.1
12H	19.1	20.3	19.6	20.7	21.1	20.2	21.4	20.7	21.8	22.2
X=4H Y=2H	17.0	18.3	17.4	18.7	19.1	17.4	18.8	17.8	19.1	19.5
3H	18.9	20.0	19.3	20.4	20.9	19.5	20.6	19.9	21.0	21.4
4H	19.6	20.6	20.0	21.0	21.5	20.3	21.3	20.7	21.8	22.2
6H	20.0	20.9	20.5	21.4	21.9	21.0	21.9	21.5	22.4	22.8
8H	20.2	21.0	20.6	21.5	22.0	21.2	22.1	21.7	22.5	23.0
12H	20.2	21.0	20.7	21.5	22.0	21.4	22.2	21.9	22.7	23.2
X=8H Y=4H	19.8	20.7	20.3	21.1	21.6	20.6	21.4	21.1	21.9	22.4
6H	20.4	21.1	20.9	21.6	22.1	21.4	22.1	21.9	22.6	23.1
8H	20.6	21.2	21.1	21.7	22.2	21.7	22.3	22.2	22.9	23.4
12H	20.7	21.2	21.2	21.7	22.3	22.0	22.5	22.5	23.0	23.6
X=12H Y=4H	19.9	20.6	20.4	21.1	21.6	20.6	21.4	21.1	21.9	22.4
6H	20.5	21.1	21.0	21.6	22.1	21.5	22.1	22.0	22.6	23.1
8H	20.7	21.2	21.2	21.7	22.3	21.8	22.4	22.3	22.9	23.5

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 = 1.25								
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	0.56	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	0.53	0.61	0.67	0.76	0.82	0.86	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	0.65	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.63	0.69	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: 6W 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	1.00	0.82	0.70	0.61	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	0.20
0.50	0.50	0.20	0.96	0.79	0.67	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	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.36	0.31	0.24	0.19
	0.30		0.79	0.67	0.57	0.50	0.41	0.34	0.29	0.23	0.19
	0.20		0.70	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.00	0.00	0.00	0.59	0.50	0.43	0.37	0.30	0.25	0.21	0.17	0.14
<p>Rating: 6W 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	0.17	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	0.17	0.19	0.19
	0.20		0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	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		0.05	0.07	0.08	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: 6W 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	205.9	0.2	0.2	0.03	0.03
1.0-2.0	205.8	0.6	0.8	0.10	0.13
2.0-3.0	205.7	1.0	1.8	0.17	0.30
3.0-4.0	205.5	1.4	3.1	0.23	0.53
4.0-5.0	205.2	1.8	4.9	0.30	0.83
5.0-6.0	204.9	2.2	7.1	0.36	1.19
6.0-7.0	204.5	2.5	9.6	0.43	1.62
7.0-8.0	204.0	2.9	12.5	0.49	2.12
8.0-9.0	203.4	3.3	15.8	0.56	2.68
9.0-10.0	202.8	3.7	19.5	0.62	3.30
10.0-11.0	202.1	4.0	23.5	0.68	3.98
11.0-12.0	201.4	4.4	27.9	0.74	4.72
12.0-13.0	200.6	4.8	32.7	0.80	5.53
13.0-14.0	199.7	5.1	37.8	0.86	6.39
14.0-15.0	198.7	5.5	43.3	0.92	7.32
15.0-16.0	197.7	5.8	49.1	0.98	8.29
16.0-17.0	196.6	6.1	55.2	1.04	9.33
17.0-18.0	195.5	6.4	61.6	1.09	10.42
18.0-19.0	194.3	6.8	68.4	1.14	11.56
19.0-20.0	193.0	7.1	75.5	1.19	12.76
20.0-21.0	191.6	7.4	82.8	1.24	14.00
21.0-22.0	190.2	7.6	90.5	1.29	15.29
22.0-23.0	188.7	7.9	98.4	1.34	16.63
23.0-24.0	187.2	8.2	106.6	1.38	18.02
24.0-25.0	185.6	8.4	115.0	1.43	19.44
25.0-26.0	183.9	8.7	123.7	1.47	20.91
26.0-27.0	182.2	8.9	132.6	1.51	22.42
27.0-28.0	180.3	9.1	141.7	1.54	23.96
28.0-29.0	178.5	9.3	151.1	1.58	25.54
29.0-30.0	176.6	9.5	160.6	1.61	27.15
30.0-31.0	174.6	9.7	170.3	1.64	28.80
31.0-32.0	172.5	9.9	180.2	1.67	30.47
32.0-33.0	170.4	10.0	190.2	1.70	32.17
33.0-34.0	168.2	10.2	200.4	1.72	33.89
34.0-35.0	166.0	10.3	210.7	1.74	35.63
35.0-36.0	163.7	10.4	221.2	1.76	37.39

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 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	161.3	10.5	231.7	1.78	39.17
37.0-38.0	158.9	10.6	242.3	1.79	40.97
38.0-39.0	156.4	10.7	253.0	1.81	42.77
39.0-40.0	153.9	10.7	263.7	1.82	44.59
40.0-41.0	151.3	10.8	274.5	1.82	46.41
41.0-42.0	148.7	10.8	285.3	1.83	48.23
42.0-43.0	146.0	10.8	296.1	1.83	50.06
43.0-44.0	143.2	10.8	306.9	1.83	51.89
44.0-45.0	140.4	10.8	317.7	1.82	53.72
45.0-46.0	137.5	10.8	328.5	1.82	55.53
46.0-47.0	134.6	10.7	339.2	1.81	57.34
47.0-48.0	131.6	10.6	349.8	1.80	59.14
48.0-49.0	128.6	10.6	360.4	1.79	60.93
49.0-50.0	125.5	10.5	370.8	1.77	62.70
50.0-51.0	122.3	10.4	381.2	1.75	64.45
51.0-52.0	119.1	10.2	391.4	1.73	66.18
52.0-53.0	115.9	10.1	401.5	1.70	67.88
53.0-54.0	112.6	9.9	411.4	1.68	69.56
54.0-55.0	109.3	9.8	421.2	1.65	71.21
55.0-56.0	105.9	9.6	430.7	1.62	72.83
56.0-57.0	102.5	9.4	440.1	1.58	74.41
57.0-58.0	99.0	9.2	449.3	1.55	75.96
58.0-59.0	95.5	8.9	458.2	1.51	77.47
59.0-60.0	92.0	8.7	466.9	1.47	78.94
60.0-61.0	88.4	8.4	475.3	1.43	80.36
61.0-62.0	84.8	8.2	483.5	1.38	81.75
62.0-63.0	81.2	7.9	491.4	1.34	83.08
63.0-64.0	77.6	7.6	499.0	1.29	84.37
64.0-65.0	73.9	7.3	506.3	1.24	85.61
65.0-66.0	70.3	7.0	513.3	1.19	86.79
66.0-67.0	66.7	6.7	520.1	1.13	87.93
67.0-68.0	63.0	6.4	526.4	1.08	89.01
68.0-69.0	59.3	6.1	532.5	1.02	90.03
69.0-70.0	55.7	5.7	538.2	0.97	91.00
70.0-71.0	52.0	5.4	543.6	0.91	91.91
71.0-72.0	48.4	5.0	548.6	0.85	92.76

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	44.8	4.7	553.3	0.79	93.55
73.0-74.0	41.3	4.3	557.7	0.73	94.28
74.0-75.0	37.9	4.0	561.7	0.68	94.96
75.0-76.0	34.5	3.7	565.3	0.62	95.58
76.0-77.0	31.2	3.3	568.6	0.56	96.14
77.0-78.0	28.0	3.0	571.6	0.51	96.65
78.0-79.0	24.8	2.7	574.3	0.45	97.10
79.0-80.0	21.8	2.3	576.7	0.40	97.50
80.0-81.0	18.8	2.0	578.7	0.34	97.84
81.0-82.0	16.0	1.7	580.4	0.29	98.13
82.0-83.0	13.3	1.4	581.9	0.24	98.38
83.0-84.0	10.8	1.2	583.0	0.20	98.58
84.0-85.0	8.5	0.9	584.0	0.16	98.73
85.0-86.0	6.3	0.7	584.7	0.12	98.85
86.0-87.0	4.5	0.5	585.1	0.08	98.93
87.0-88.0	3.0	0.3	585.5	0.05	98.99
88.0-89.0	1.8	0.2	585.7	0.03	99.02
89.0-90.0	0.9	0.1	585.8	0.02	99.04
90.0-91.0	0.5	0.1	585.8	0.01	99.05
91.0-92.0	0.3	0.0	585.9	0.01	99.05
92.0-93.0	0.3	0.0	585.9	0.01	99.06
93.0-94.0	0.3	0.0	585.9	0.01	99.06
94.0-95.0	0.3	0.0	586.0	0.01	99.07
95.0-96.0	0.4	0.0	586.0	0.01	99.08
96.0-97.0	0.4	0.0	586.0	0.01	99.09
97.0-98.0	0.4	0.0	586.1	0.01	99.09
98.0-99.0	0.4	0.0	586.1	0.01	99.10
99.0-100.0	0.4	0.0	586.2	0.01	99.11
100.0-101.0	0.4	0.0	586.2	0.01	99.12
101.0-102.0	0.5	0.1	586.3	0.01	99.12
102.0-103.0	0.5	0.1	586.3	0.01	99.13
103.0-104.0	0.5	0.1	586.4	0.01	99.14
104.0-105.0	0.5	0.1	586.4	0.01	99.15
105.0-106.0	0.6	0.1	586.5	0.01	99.16
106.0-107.0	0.6	0.1	586.6	0.01	99.17
107.0-108.0	0.6	0.1	586.6	0.01	99.18

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	586.7	0.01	99.19
109.0-110.0	0.6	0.1	586.7	0.01	99.20
110.0-111.0	0.6	0.1	586.8	0.01	99.21
111.0-112.0	0.7	0.1	586.9	0.01	99.23
112.0-113.0	0.7	0.1	587.0	0.01	99.24
113.0-114.0	0.7	0.1	587.0	0.01	99.25
114.0-115.0	0.7	0.1	587.1	0.01	99.26
115.0-116.0	0.8	0.1	587.2	0.01	99.28
116.0-117.0	0.8	0.1	587.3	0.01	99.29
117.0-118.0	0.8	0.1	587.3	0.01	99.30
118.0-119.0	0.8	0.1	587.4	0.01	99.32
119.0-120.0	0.9	0.1	587.5	0.01	99.33
120.0-121.0	0.9	0.1	587.6	0.01	99.34
121.0-122.0	0.9	0.1	587.7	0.01	99.36
122.0-123.0	0.9	0.1	587.7	0.01	99.37
123.0-124.0	0.9	0.1	587.8	0.01	99.39
124.0-125.0	1.0	0.1	587.9	0.01	99.40
125.0-126.0	1.0	0.1	588.0	0.01	99.42
126.0-127.0	1.0	0.1	588.1	0.02	99.43
127.0-128.0	1.0	0.1	588.2	0.02	99.45
128.0-129.0	1.0	0.1	588.3	0.02	99.46
129.0-130.0	1.1	0.1	588.4	0.02	99.48
130.0-131.0	1.1	0.1	588.5	0.02	99.49
131.0-132.0	1.1	0.1	588.5	0.02	99.51
132.0-133.0	1.1	0.1	588.6	0.02	99.52
133.0-134.0	1.2	0.1	588.7	0.02	99.54
134.0-135.0	1.2	0.1	588.8	0.02	99.55
135.0-136.0	1.2	0.1	588.9	0.02	99.57
136.0-137.0	1.2	0.1	589.0	0.02	99.59
137.0-138.0	1.2	0.1	589.1	0.02	99.60
138.0-139.0	1.2	0.1	589.2	0.02	99.62
139.0-140.0	1.3	0.1	589.3	0.02	99.63
140.0-141.0	1.3	0.1	589.4	0.02	99.65
141.0-142.0	1.3	0.1	589.5	0.02	99.66
142.0-143.0	1.3	0.1	589.5	0.01	99.68
143.0-144.0	1.3	0.1	589.6	0.01	99.69

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	1.3	0.1	589.7	0.01	99.71
145.0-146.0	1.4	0.1	589.8	0.01	99.72
146.0-147.0	1.4	0.1	589.9	0.01	99.73
147.0-148.0	1.4	0.1	590.0	0.01	99.75
148.0-149.0	1.4	0.1	590.0	0.01	99.76
149.0-150.0	1.4	0.1	590.1	0.01	99.78
150.0-151.0	1.5	0.1	590.2	0.01	99.79
151.0-152.0	1.5	0.1	590.3	0.01	99.80
152.0-153.0	1.5	0.1	590.4	0.01	99.81
153.0-154.0	1.5	0.1	590.4	0.01	99.83
154.0-155.0	1.5	0.1	590.5	0.01	99.84
155.0-156.0	1.5	0.1	590.6	0.01	99.85
156.0-157.0	1.5	0.1	590.6	0.01	99.86
157.0-158.0	1.5	0.1	590.7	0.01	99.87
158.0-159.0	1.6	0.1	590.8	0.01	99.88
159.0-160.0	1.6	0.1	590.8	0.01	99.89
160.0-161.0	1.6	0.1	590.9	0.01	99.90
161.0-162.0	1.6	0.1	590.9	0.01	99.91
162.0-163.0	1.6	0.1	591.0	0.01	99.92
163.0-164.0	1.6	0.1	591.0	0.01	99.93
164.0-165.0	1.6	0.0	591.1	0.01	99.94
165.0-166.0	1.7	0.0	591.1	0.01	99.95
166.0-167.0	1.7	0.0	591.2	0.01	99.95
167.0-168.0	1.7	0.0	591.2	0.01	99.96
168.0-169.0	1.7	0.0	591.3	0.01	99.97
169.0-170.0	1.7	0.0	591.3	0.01	99.97
170.0-171.0	1.7	0.0	591.3	0.01	99.98
171.0-172.0	1.7	0.0	591.3	0.00	99.98
172.0-173.0	1.7	0.0	591.4	0.00	99.99
173.0-174.0	1.7	0.0	591.4	0.00	99.99
174.0-175.0	1.7	0.0	591.4	0.00	99.99
175.0-176.0	1.8	0.0	591.4	0.00	100.00
176.0-177.0	1.8	0.0	591.4	0.00	100.00
177.0-178.0	1.8	0.0	591.4	0.00	100.00
178.0-179.0	1.8	0.0	591.5	0.00	100.00
179.0-180.0	1.8	0.0	591.5	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: