

Report No.:

Test Time: 2021/2/4 17:26

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: CHANNEL

Lamp Catalog: RIBBONLYTE

Number of Lamps: 2 ROWS

Luminous Width (mm): 33.4

Voltage: 24.0 V

Power: 10.36 W

Luminaire Description: AS13

Lamp Description: RB90SWS2203.030

Luminous Length (mm): 500

Luminous Height (mm): 34.5

Current: 0.432 A

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 827.6 lm

Downward Ratio: 75%

Horizontal Diffuse Angle(10%,50%): H159.3,H111.7

Vertical Diffuse Angle(10%,50%): V325.2,V170.1

Luminaire Efficacy Rating (LER): 80

Max. Intensity: 158.95 cd

Total Rated Lamp Lumens: 827.6 lm

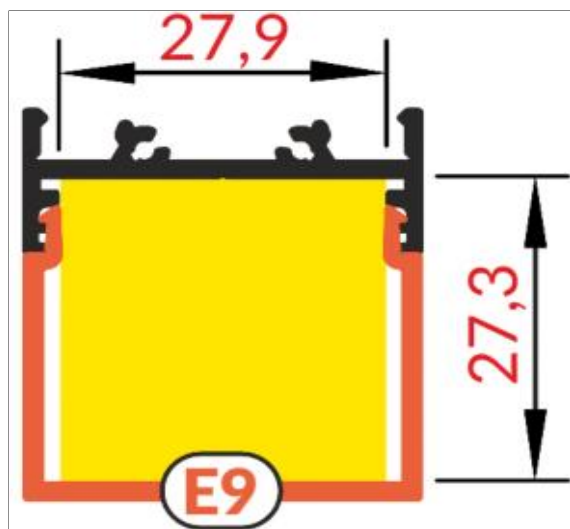
Efficiency: 100%

Upward Ratio: 25%

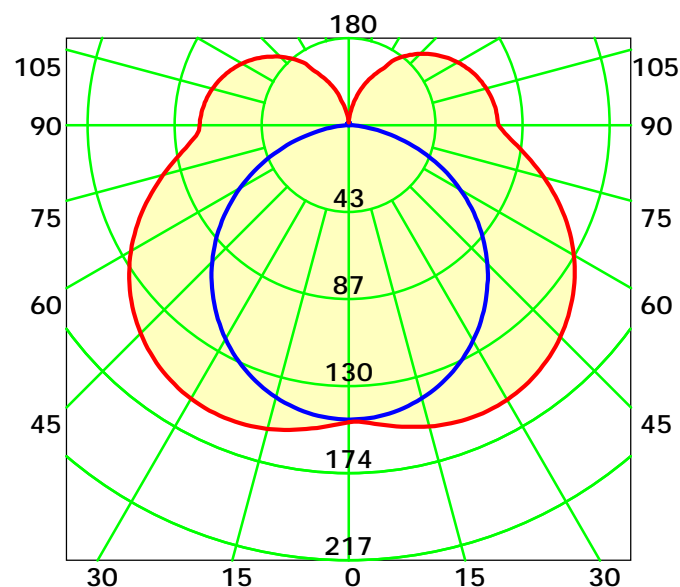
Central Intensity: 147.2 cd

Pos of Max. Intensity: H270 V24

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 140.9° 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

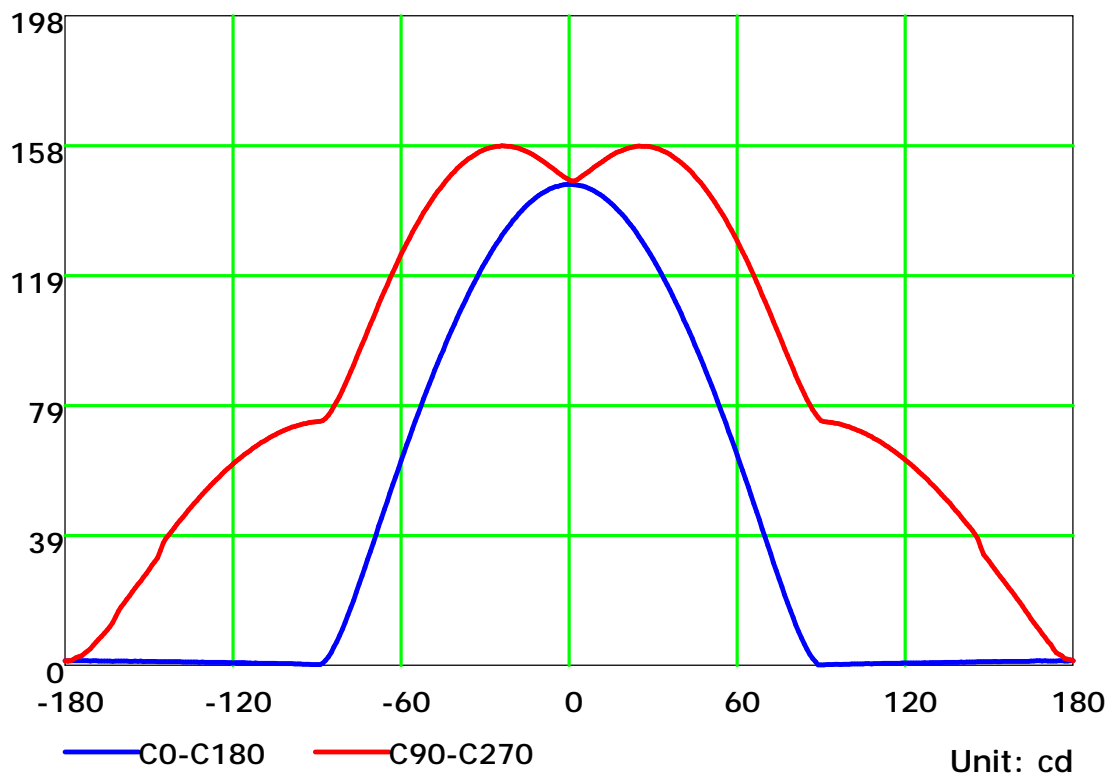
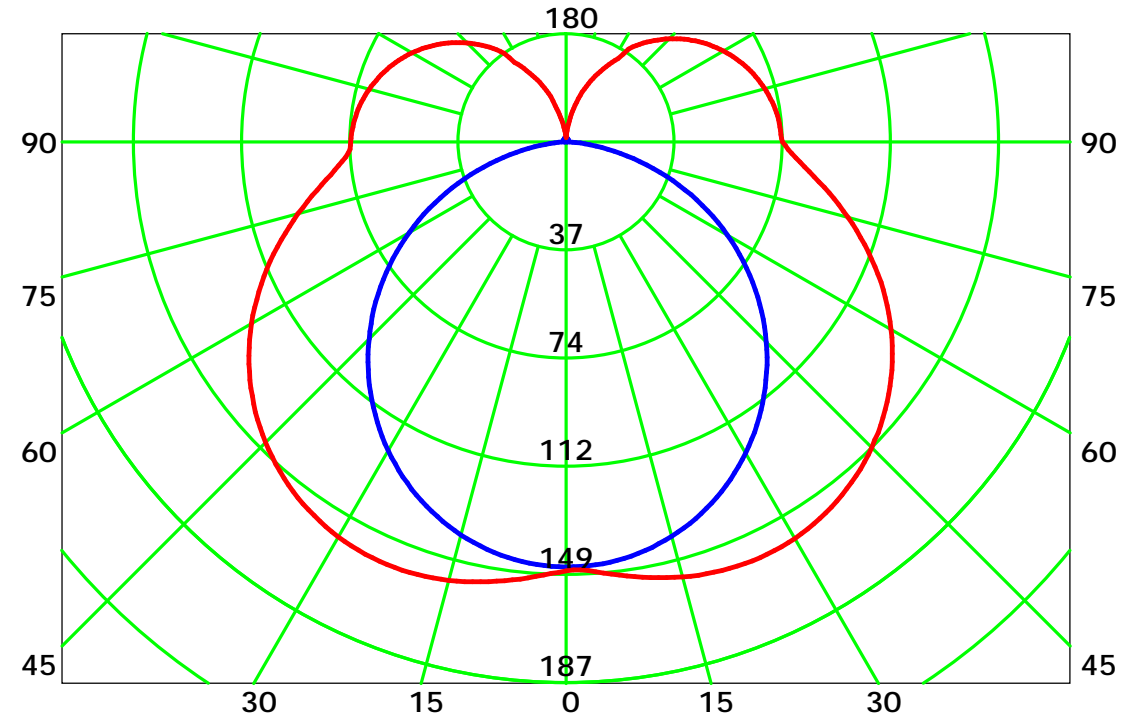
Distance: 9.028 m

Humidity: 60%

Inspector:



Luminous Intensity Distribution Curve

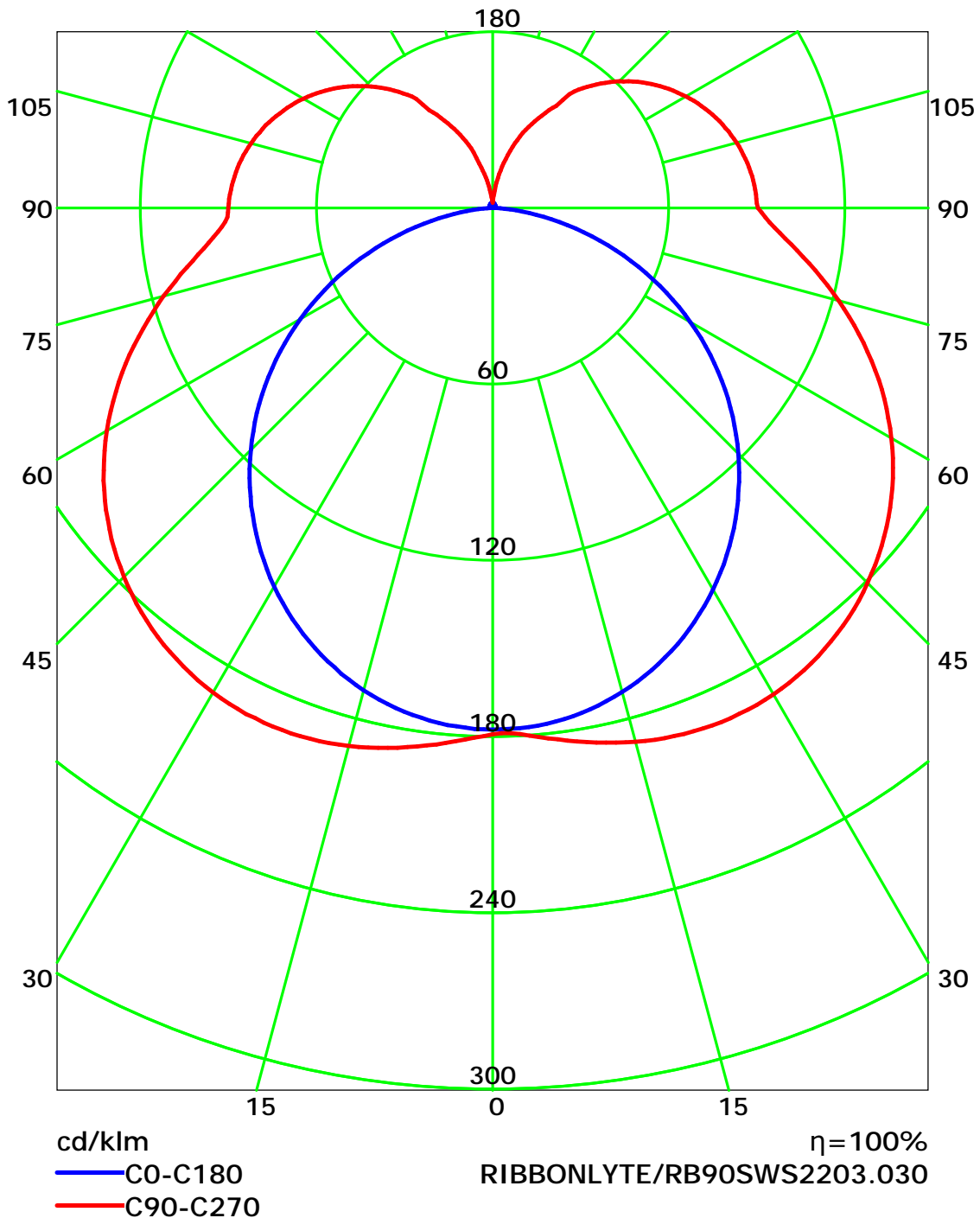


C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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:

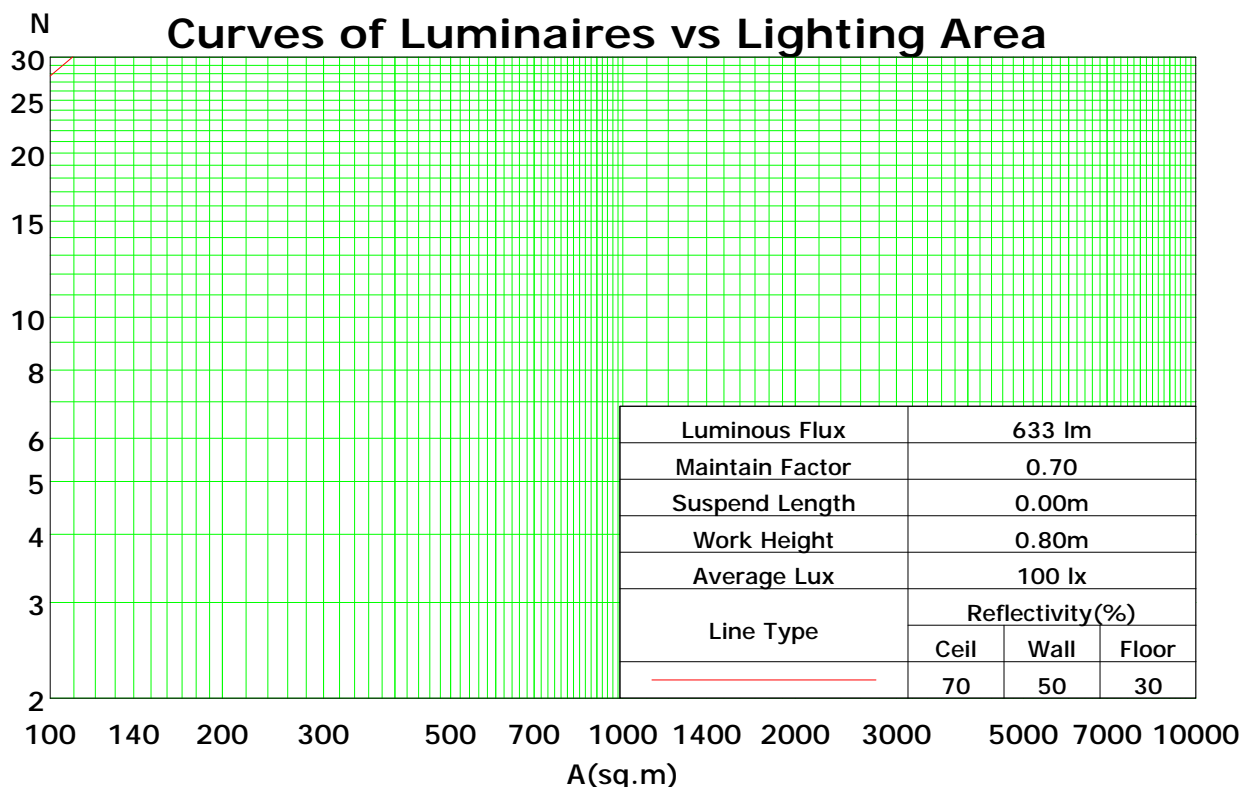
Coefficients Of Utilization - Zonal Cavity Method

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	108	108	108	108	97	97	97	88	88	88	80	80	80	75
1	101	95	90	85	95	90	85	81	81	78	74	73	70	68	66	63	61	57
2	90	81	73	67	85	77	70	64	69	64	59	62	58	54	56	52	49	46
3	82	70	61	54	77	67	59	52	60	54	48	54	49	44	49	44	41	37
4	74	62	52	45	70	59	50	43	53	46	40	48	42	37	43	38	34	31
5	68	55	45	38	64	52	43	37	47	40	34	42	36	32	38	33	29	26
6	62	49	39	33	59	46	38	32	42	35	29	38	32	27	34	29	25	23
7	58	44	35	29	54	42	34	28	38	31	26	35	28	24	31	26	22	20
8	53	40	31	25	51	38	30	24	35	28	23	32	26	21	29	23	20	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	18	15
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	24	19	16	14

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.58

Spacing Criteria (Diagonal): 1.59



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

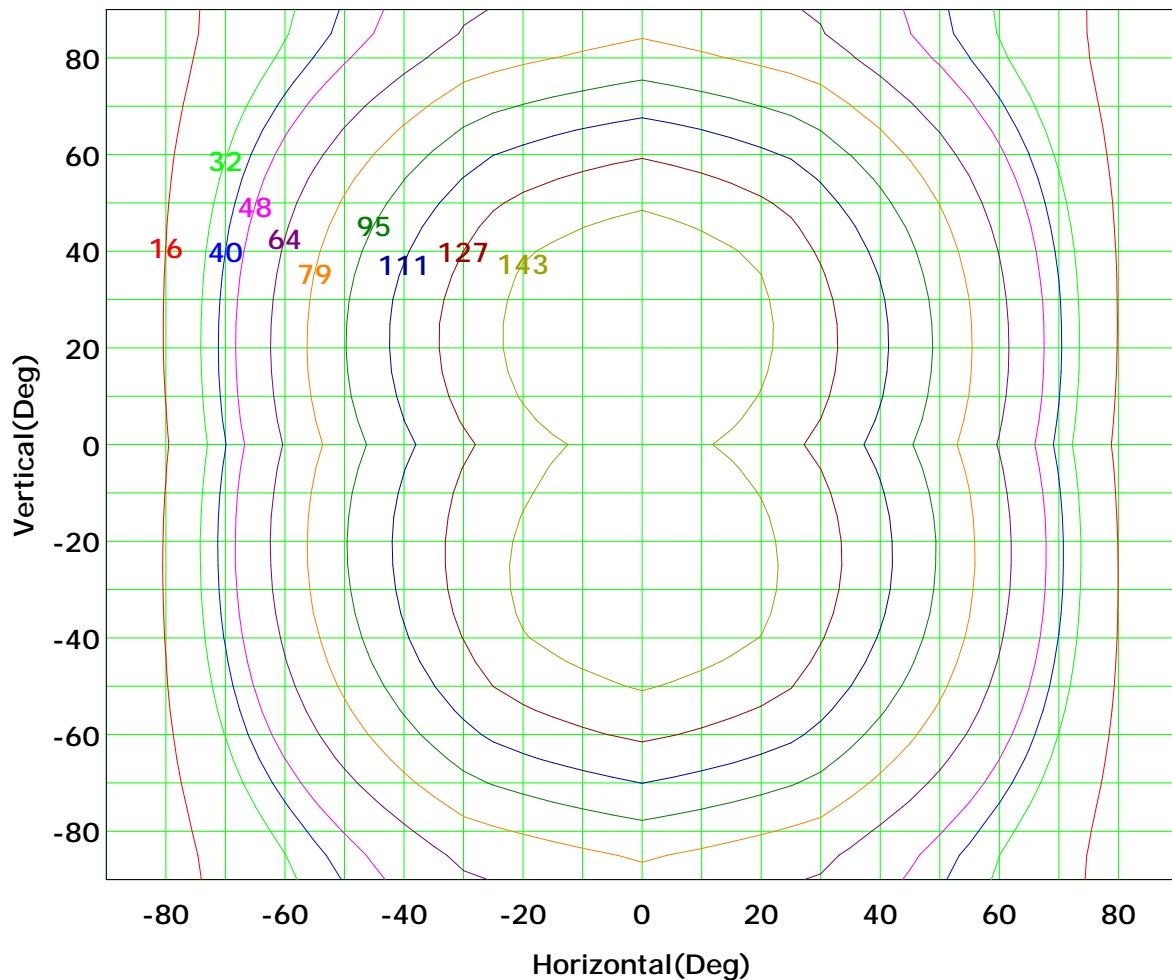
Distance: 9.028 m

Humidity: 60%

Inspector:



Isocandela (rectangle)



I_{max} (100%): 159 cd

(10%):	16 cd	(20%):	32 cd
(25%):	40 cd	(30%):	48 cd
(40%):	64 cd	(50%):	79 cd
(60%):	95 cd	(70%):	111 cd
(80%):	127 cd	(90%):	143 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

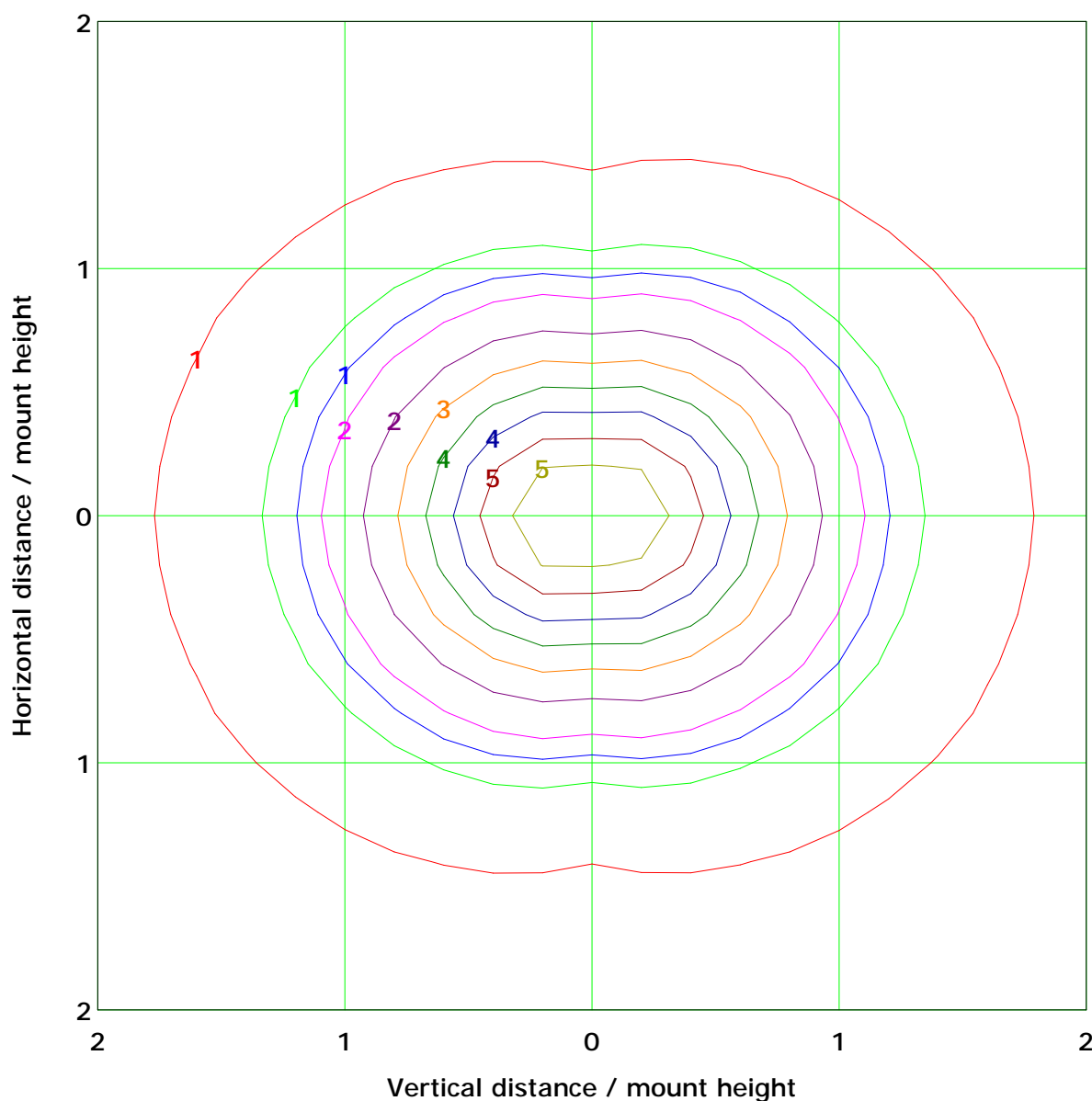
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 6.0 lx

(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.5 lx	(30%): 1.8 lx
(40%): 2.4 lx	(50%): 3.0 lx
(60%): 3.6 lx	(70%): 4.2 lx
(80%): 4.8 lx	(90%): 5.4 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

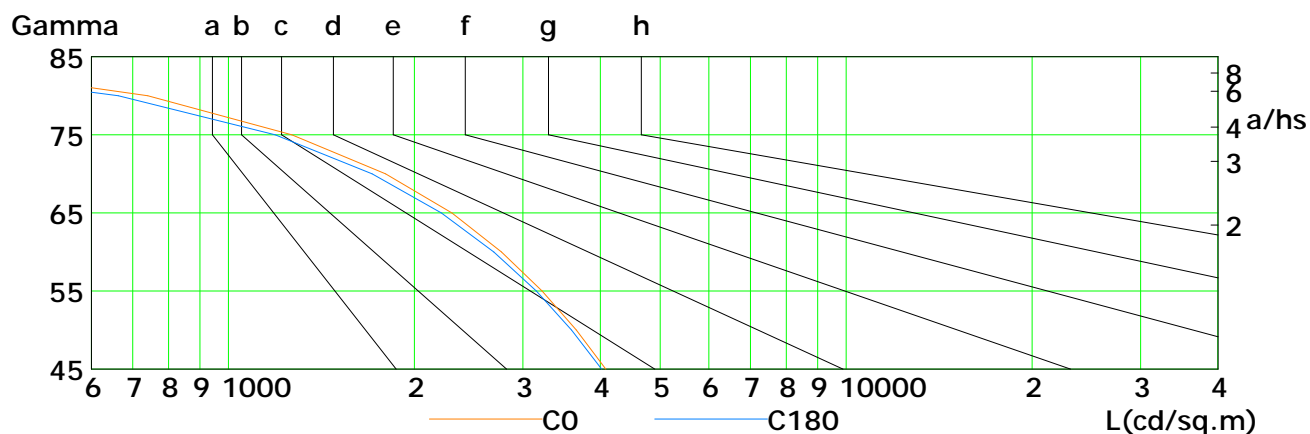
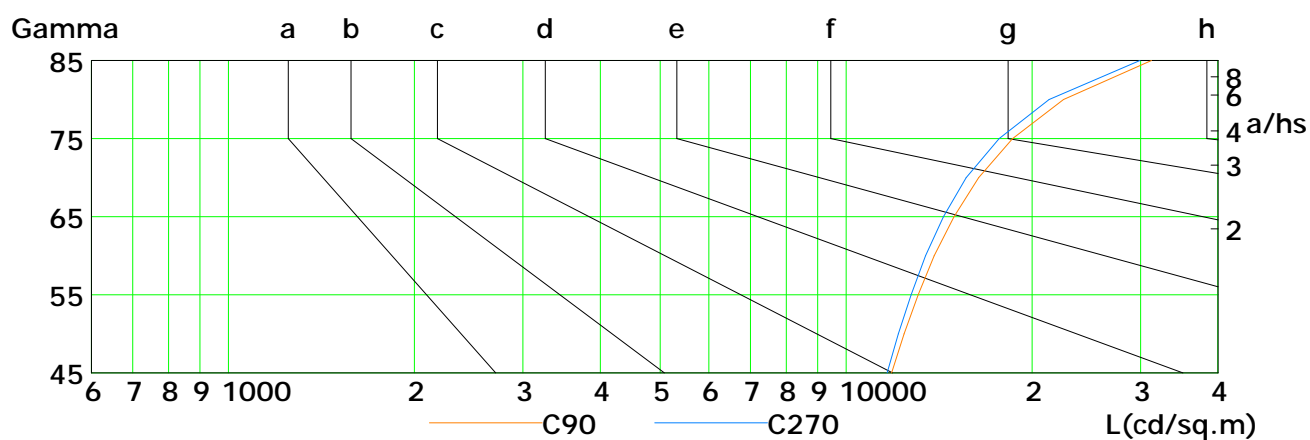
Humidity: 60%

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	4083	3658	3222	2767	2300	1797	1267	741	269
C90	11854	12418	13091	13898	14959	16396	18601	22502	31240
C180	4019	3593	3153	2690	2213	1708	1190	664	219
C270	11657	12153	12741	13455	14373	15655	17694	21305	29915

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

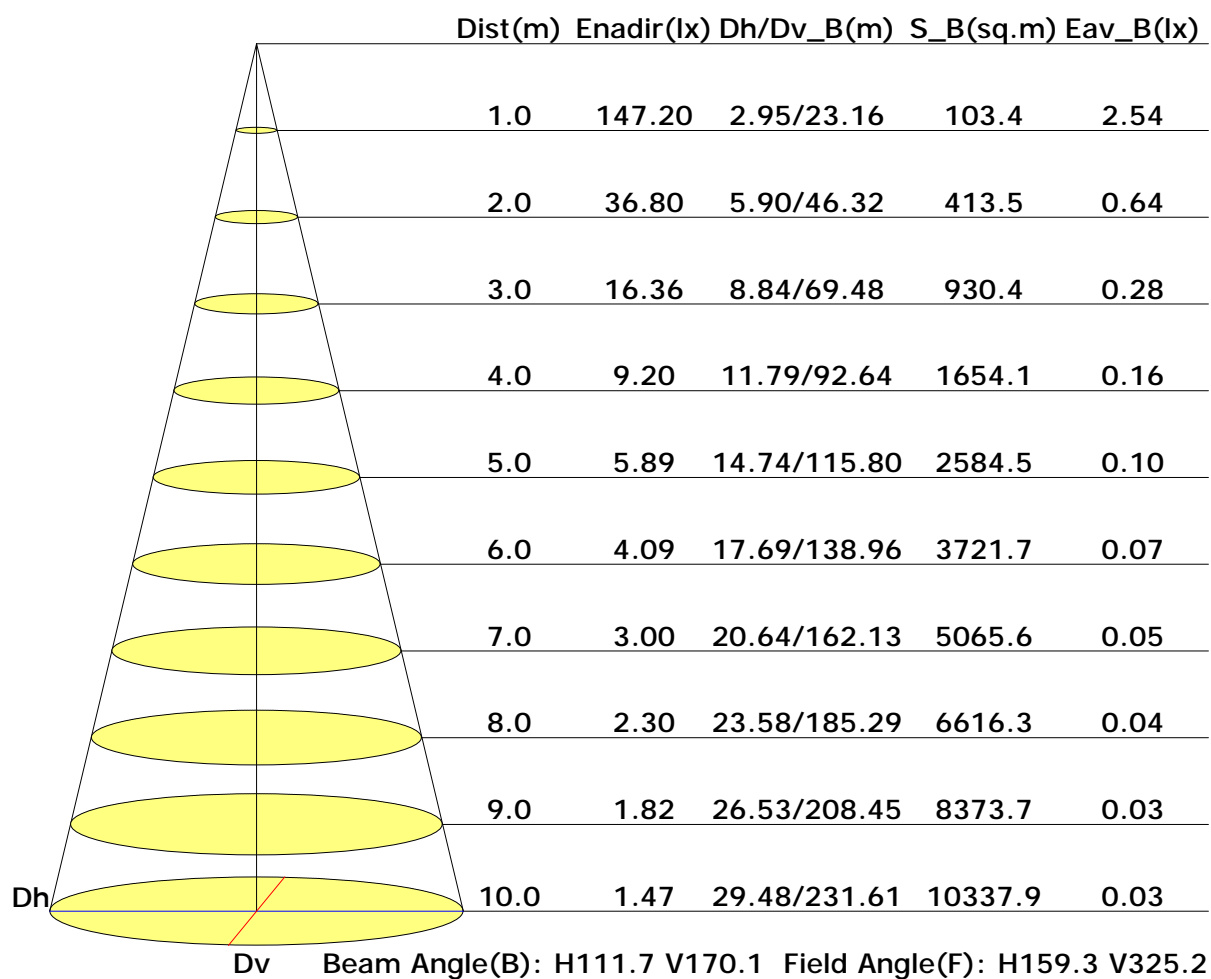
Test Device: GPM-1800B

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

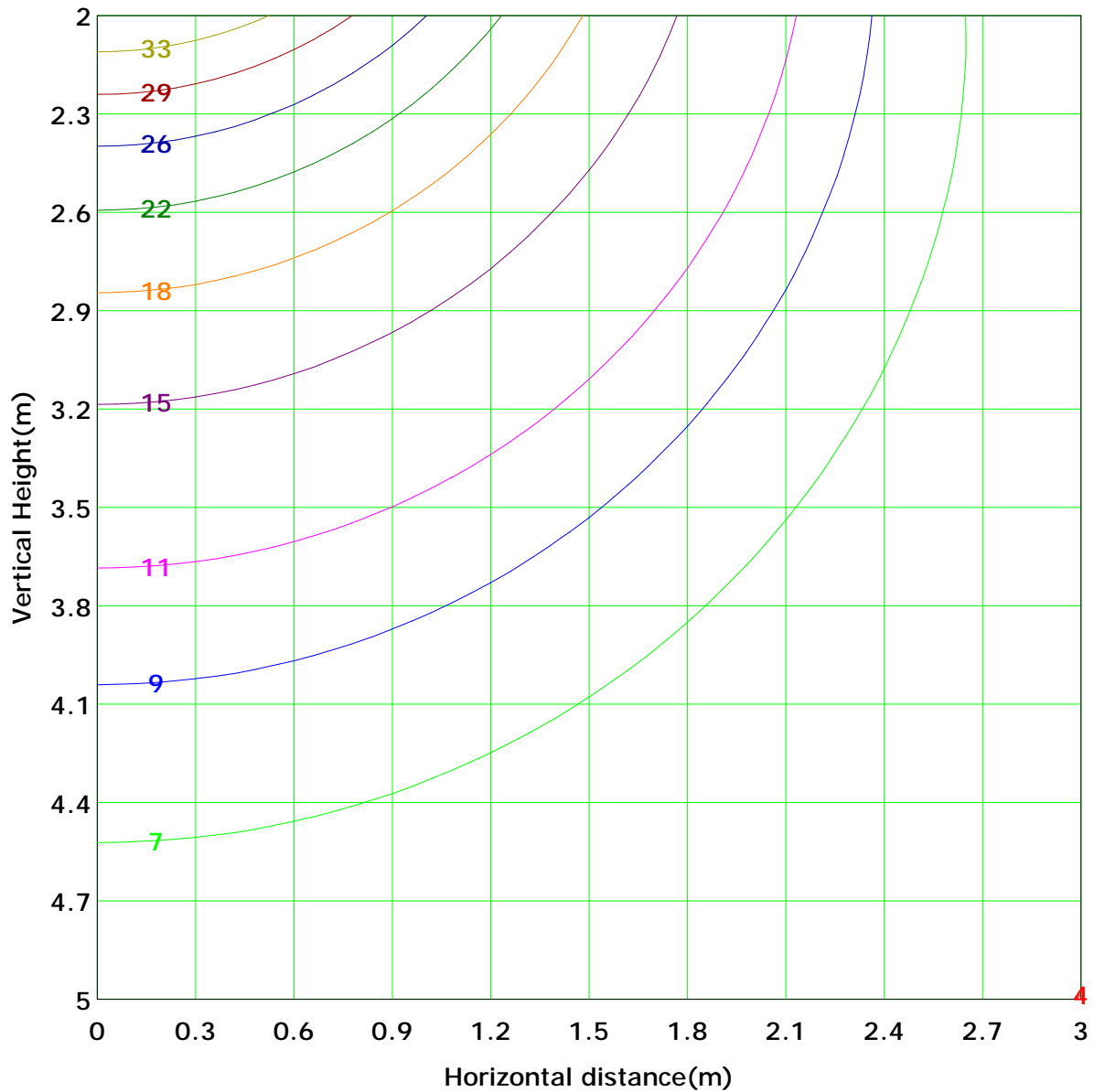
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 36.8 lx
(10%): 3.7 lx	(20%): 7.4 lx	
(25%): 9.2 lx	(30%): 11.0 lx	
(40%): 14.7 lx	(50%): 18.4 lx	
(60%): 22.1 lx	(70%): 25.8 lx	
(80%): 29.4 lx	(90%): 33.1 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:

Area Flux Table

Unit: lm

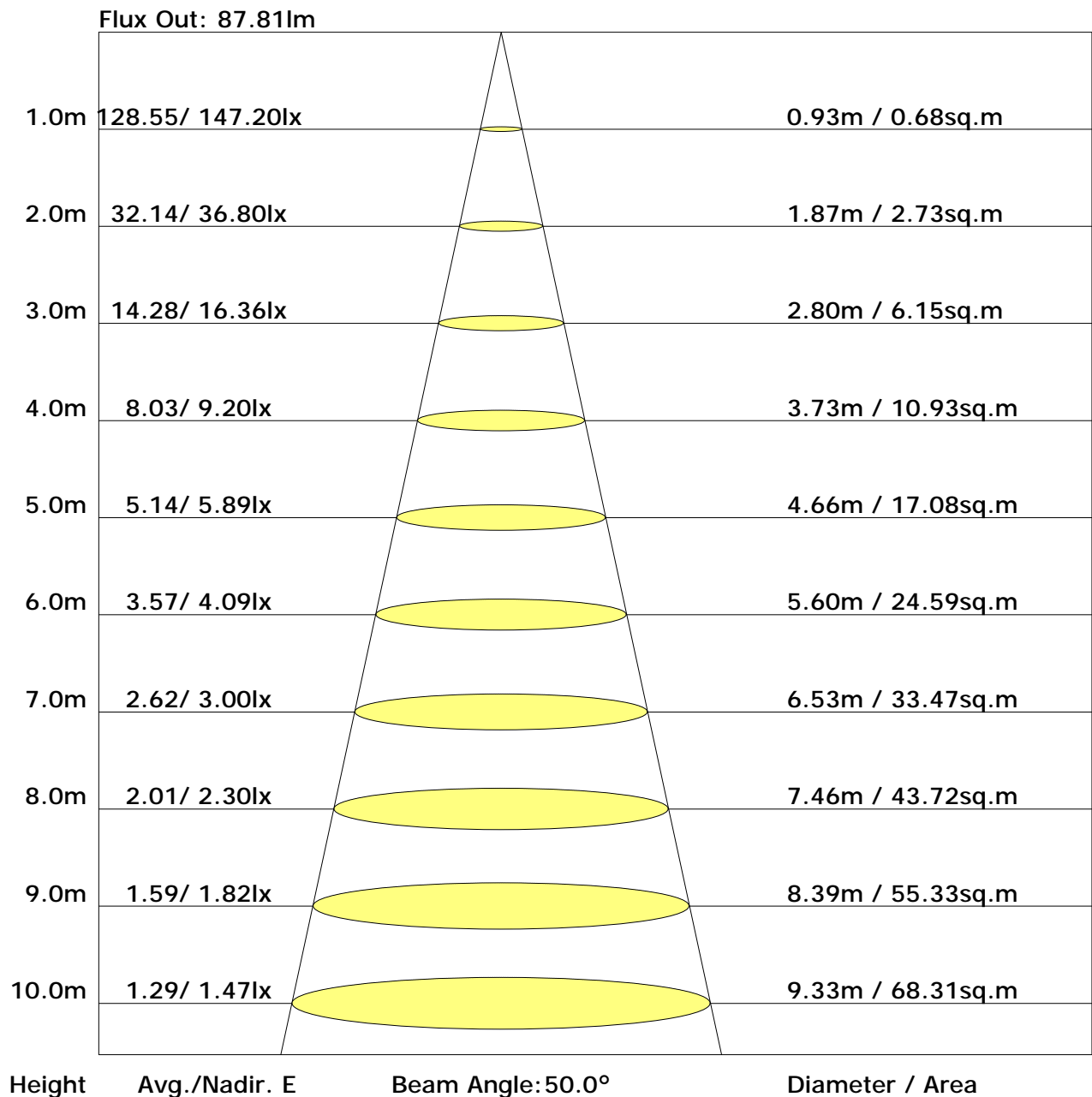
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
		0.0	0.1	0.3	0.7	1.0	1.5	1.9	2.1	2.3	2.3	2.1	1.9	1.5	1.0	0.6	0.3	0.1	0.0	0.0	19.9	19.8
		0.0	0.1	0.4	0.8	1.3	1.8	2.3	2.6	2.8	2.8	2.6	2.3	1.8	1.3	0.8	0.4	0.1	0.0	0.0	24.3	24.2
		0.0	0.2	0.5	1.0	1.5	2.2	2.8	3.2	3.5	3.5	3.2	2.8	2.2	1.6	1.0	0.5	0.2	0.0	0.0	29.7	29.6
		0.0	0.2	0.6	1.1	1.8	2.5	3.2	3.7	4.0	4.0	3.7	3.3	2.6	1.8	1.2	0.6	0.2	0.0	0.0	34.5	34.4
		0.0	0.2	0.6	1.3	2.0	2.8	3.6	4.1	4.4	4.4	4.1	3.6	2.9	2.1	1.3	0.7	0.2	0.0	0.0	38.2	38.1
		0.0	0.2	0.7	1.4	2.2	3.0	3.8	4.3	4.6	4.7	4.4	3.8	3.0	2.2	1.4	0.7	0.2	0.0	0.0	40.6	40.5
		0.0	0.2	0.7	1.4	2.2	3.1	3.8	4.4	4.7	4.7	4.4	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	41.6	41.6
		0.0	0.2	0.7	1.4	2.2	3.1	3.8	4.4	4.7	4.7	4.4	3.9	3.1	2.3	1.4	0.7	0.2	0.0	0.0	41.3	41.3
		0.0	0.2	0.7	1.4	2.1	3.0	3.7	4.2	4.5	4.6	4.3	3.7	3.0	2.2	1.4	0.7	0.2	0.0	0.0	39.9	39.8
		0.0	0.2	0.7	1.4	2.2	3.0	3.7	4.2	4.5	4.5	4.2	3.7	3.0	2.2	1.4	0.7	0.2	0.0	0.0	39.7	39.7
		0.0	0.2	0.7	1.4	2.2	3.1	3.8	4.4	4.7	4.7	4.4	3.8	3.1	2.3	1.4	0.7	0.2	0.0	0.0	41.2	41.1
		0.0	0.2	0.7	1.4	2.3	3.1	3.9	4.5	4.8	4.7	4.4	3.8	3.1	2.3	1.4	0.7	0.2	0.0	0.0	41.7	41.6
		0.0	0.2	0.7	1.4	2.2	3.0	3.8	4.4	4.7	4.7	4.4	3.8	3.0	2.2	1.4	0.7	0.2	0.0	0.0	40.9	40.9
		0.0	0.2	0.7	1.3	2.1	2.9	3.6	4.2	4.5	4.5	4.1	3.6	2.9	2.1	1.3	0.7	0.2	0.0	0.0	38.8	38.8
		0.0	0.2	0.6	1.2	1.9	2.6	3.3	3.8	4.1	4.1	3.8	3.3	2.6	1.9	1.2	0.6	0.2	0.0	0.0	35.4	35.4
		0.0	0.2	0.5	1.0	1.6	2.3	2.9	3.3	3.6	3.6	3.3	2.9	2.3	1.6	1.0	0.5	0.2	0.0	0.0	30.8	30.8
		0.0	0.1	0.4	0.8	1.3	1.9	2.4	2.7	3.0	3.0	2.7	2.4	1.9	1.3	0.8	0.4	0.1	0.0	0.0	25.5	25.4
		0.0	0.1	0.3	0.7	1.1	1.5	1.9	2.2	2.4	2.4	2.2	1.9	1.5	1.1	0.7	0.3	0.1	0.0	0.0	20.6	20.5
		0.4	3.5	10.5	20.9	33.3	46.4	58.2	66.7	71.8	71.9	66.8	58.3	46.6	33.6	21.1	10.7	3.6	0.4	0.4	625	
		0.0	3.2	10.5	20.9	33.3	46.4	58.2	66.7	71.8	71.9	66.8	58.3	46.6	33.6	21.1	10.7	3.4	0.0		624	

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



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:

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	16.6	17.9	17.3	18.6	19.4	17.7	18.9	18.3	19.6	20.5
3H	18.3	19.5	19.0	20.2	21.1	19.9	21.1	20.6	21.8	22.7
4H	18.9	20.0	19.6	20.7	21.6	21.0	22.1	21.7	22.8	23.7
6H	19.3	20.3	20.0	21.1	22.0	21.9	23.0	22.7	23.7	24.6
8H	19.4	20.4	20.1	21.1	22.0	22.4	23.4	23.1	24.1	25.0
12H	19.4	20.4	20.2	21.1	22.1	22.8	23.8	23.6	24.5	25.5
X=4H Y=2H	17.4	18.5	18.1	19.2	20.1	18.2	19.3	18.9	20.1	20.9
3H	19.3	20.3	20.1	21.1	22.0	20.8	21.7	21.5	22.5	23.4
4H	20.1	21.0	20.8	21.7	22.7	22.0	22.8	22.7	23.6	24.5
6H	20.6	21.4	21.4	22.2	23.1	23.1	23.9	23.9	24.7	25.6
8H	20.8	21.5	21.6	22.3	23.3	23.6	24.4	24.4	25.2	26.1
12H	20.9	21.6	21.7	22.4	23.3	24.2	24.8	25.0	25.7	26.6
X=8H Y=4H	20.7	21.4	21.4	22.2	23.1	22.3	23.0	23.0	23.8	24.7
6H	21.4	22.0	22.2	22.9	23.8	23.6	24.2	24.4	25.1	26.0
8H	21.7	22.2	22.5	23.1	24.0	24.3	24.9	25.1	25.7	26.7
12H	21.9	22.4	22.7	23.2	24.2	25.0	25.5	25.8	26.3	27.4
X=12H Y=4H	20.8	21.4	21.6	22.3	23.2	22.3	22.9	23.1	23.8	24.7
6H	21.6	22.2	22.4	23.0	24.0	23.7	24.3	24.5	25.1	26.1
8H	22.0	22.5	22.8	23.3	24.3	24.5	25.0	25.3	25.8	26.8

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	0.47	0.55	0.62	0.67	0.75	0.80	0.83	0.88	0.91
	0.30		0.39	0.47	0.55	0.60	0.68	0.73	0.77	0.83	0.87
	0.20		0.34	0.41	0.48	0.54	0.62	0.68	0.72	0.79	0.83
0.50	0.50	0.20	0.43	0.50	0.57	0.61	0.68	0.72	0.75	0.80	0.83
	0.30		0.37	0.44	0.50	0.55	0.62	0.67	0.71	0.76	0.79
	0.20		0.32	0.39	0.45	0.50	0.57	0.63	0.67	0.72	0.76
0.30	0.50	0.20	0.40	0.46	0.52	0.56	0.61	0.65	0.68	0.72	0.75
	0.30		0.34	0.40	0.46	0.51	0.57	0.61	0.64	0.69	0.72
	0.20		0.30	0.36	0.42	0.46	0.53	0.58	0.61	0.66	0.69
0.00	0.00	0.00	0.26	0.31	0.36	0.40	0.45	0.49	0.52	0.56	0.59
Rating: 10W 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	1.00	0.86	0.75	0.66	0.54	0.46	0.40	0.32	0.27	
	0.30		0.83	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.25	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.24	
0.50	0.50	0.20	0.92	0.79	0.68	0.60	0.50	0.44	0.37	0.29	0.25	
	0.30		0.77	0.69	0.60	0.54	0.45	0.39	0.34	0.28	0.23	
	0.20		0.67	0.61	0.54	0.49	0.42	0.36	0.32	0.27	0.22	
0.30	0.50	0.20	0.84	0.72	0.62	0.55	0.45	0.38	0.34	0.27	0.23	
	0.30		0.72	0.63	0.56	0.50	0.42	0.36	0.32	0.26	0.22	
	0.20		0.63	0.57	0.50	0.46	0.39	0.34	0.30	0.25	0.21	
0.00	0.00	0.00	0.50	0.45	0.40	0.36	0.30	0.26	0.23	0.19	0.16	
Rating: 10W 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	0.40	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45
	0.30		0.33	0.35	0.36	0.37	0.38	0.40	0.40	0.41	0.42
	0.20		0.28	0.30	0.31	0.32	0.34	0.35	0.36	0.38	0.39
0.50	0.50	0.20	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.43	0.43
	0.30		0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41
	0.20		0.28	0.29	0.31	0.32	0.33	0.35	0.36	0.37	0.38
0.30	0.50	0.20	0.38	0.39	0.39	0.40	0.41	0.41	0.41	0.41	0.42
	0.30		0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.39
	0.20		0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.37
0.00	0.00	0.00	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Rating: 10W 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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	148.2	0.1	0.1	0.02	0.02
1.0-2.0	148.3	0.4	0.6	0.05	0.07
2.0-3.0	148.4	0.7	1.3	0.09	0.15
3.0-4.0	148.6	1.0	2.3	0.12	0.27
4.0-5.0	148.9	1.3	3.6	0.15	0.43
5.0-6.0	149.1	1.6	5.1	0.19	0.62
6.0-7.0	149.3	1.9	7.0	0.22	0.84
7.0-8.0	149.5	2.1	9.1	0.26	1.10
8.0-9.0	149.7	2.4	11.5	0.29	1.39
9.0-10.0	149.8	2.7	14.3	0.33	1.72
10.0-11.0	150.0	3.0	17.3	0.36	2.08
11.0-12.0	150.0	3.3	20.5	0.40	2.48
12.0-13.0	150.1	3.6	24.1	0.43	2.91
13.0-14.0	150.1	3.8	27.9	0.46	3.38
14.0-15.0	150.1	4.1	32.1	0.50	3.87
15.0-16.0	150.0	4.4	36.5	0.53	4.40
16.0-17.0	149.9	4.7	41.1	0.56	4.97
17.0-18.0	149.7	4.9	46.1	0.60	5.57
18.0-19.0	149.5	5.2	51.3	0.63	6.19
19.0-20.0	149.3	5.5	56.7	0.66	6.85
20.0-21.0	149.0	5.7	62.4	0.69	7.55
21.0-22.0	148.7	6.0	68.4	0.72	8.27
22.0-23.0	148.3	6.2	74.6	0.75	9.02
23.0-24.0	147.9	6.5	81.1	0.78	9.80
24.0-25.0	147.4	6.7	87.8	0.81	10.61
25.0-26.0	146.9	6.9	94.7	0.84	11.45
26.0-27.0	146.3	7.2	101.9	0.86	12.31
27.0-28.0	145.7	7.4	109.3	0.89	13.20
28.0-29.0	145.0	7.6	116.9	0.92	14.12
29.0-30.0	144.3	7.8	124.7	0.94	15.06
30.0-31.0	143.6	8.0	132.7	0.97	16.03
31.0-32.0	142.8	8.2	140.8	0.99	17.02
32.0-33.0	141.9	8.4	149.2	1.01	18.03
33.0-34.0	141.0	8.5	157.7	1.03	19.06
34.0-35.0	140.1	8.7	166.4	1.05	20.11
35.0-36.0	139.1	8.9	175.3	1.07	21.18

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	138.1	9.0	184.3	1.09	22.27
37.0-38.0	137.0	9.1	193.4	1.10	23.37
38.0-39.0	135.8	9.3	202.7	1.12	24.49
39.0-40.0	134.7	9.4	212.1	1.14	25.63
40.0-41.0	133.4	9.5	221.6	1.15	26.78
41.0-42.0	132.2	9.6	231.2	1.16	27.94
42.0-43.0	130.9	9.7	240.9	1.17	29.11
43.0-44.0	129.6	9.8	250.7	1.18	30.29
44.0-45.0	128.2	9.9	260.5	1.19	31.48
45.0-46.0	126.7	9.9	270.5	1.20	32.68
46.0-47.0	125.3	10.0	280.4	1.20	33.88
47.0-48.0	123.8	10.0	290.4	1.21	35.09
48.0-49.0	122.2	10.0	300.5	1.21	36.31
49.0-50.0	120.6	10.1	310.5	1.22	37.52
50.0-51.0	119.0	10.1	320.6	1.22	38.74
51.0-52.0	117.3	10.1	330.7	1.22	39.95
52.0-53.0	115.6	10.1	340.7	1.22	41.17
53.0-54.0	113.8	10.0	350.7	1.21	42.38
54.0-55.0	112.0	10.0	360.7	1.21	43.59
55.0-56.0	110.2	10.0	370.7	1.20	44.79
56.0-57.0	108.3	9.9	380.6	1.20	45.99
57.0-58.0	106.4	9.8	390.4	1.19	47.18
58.0-59.0	104.4	9.8	400.2	1.18	48.36
59.0-60.0	102.4	9.7	409.9	1.17	49.53
60.0-61.0	100.4	9.6	419.5	1.16	50.69
61.0-62.0	98.3	9.5	428.9	1.15	51.83
62.0-63.0	96.2	9.4	438.3	1.13	52.96
63.0-64.0	94.1	9.2	447.5	1.12	54.08
64.0-65.0	91.9	9.1	456.6	1.10	55.18
65.0-66.0	89.8	9.0	465.6	1.08	56.26
66.0-67.0	87.5	8.8	474.4	1.06	57.32
67.0-68.0	85.3	8.6	483.0	1.04	58.37
68.0-69.0	83.0	8.5	491.5	1.02	59.39
69.0-70.0	80.7	8.3	499.8	1.00	60.39
70.0-71.0	78.4	8.1	507.9	0.98	61.37
71.0-72.0	76.1	7.9	515.8	0.96	62.33

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	73.8	7.7	523.5	0.93	63.26
73.0-74.0	71.5	7.5	531.1	0.91	64.17
74.0-75.0	69.2	7.3	538.4	0.88	65.06
75.0-76.0	66.9	7.1	545.5	0.86	65.91
76.0-77.0	64.7	6.9	552.4	0.83	66.75
77.0-78.0	62.5	6.7	559.1	0.81	67.56
78.0-79.0	60.3	6.5	565.5	0.78	68.34
79.0-80.0	58.1	6.3	571.8	0.76	69.09
80.0-81.0	56.0	6.1	577.9	0.73	69.83
81.0-82.0	54.0	5.9	583.7	0.71	70.53
82.0-83.0	52.1	5.7	589.4	0.68	71.22
83.0-84.0	50.3	5.5	594.9	0.66	71.88
84.0-85.0	48.6	5.3	600.2	0.64	72.52
85.0-86.0	47.1	5.2	605.3	0.62	73.14
86.0-87.0	45.8	5.0	610.3	0.61	73.75
87.0-88.0	44.7	4.9	615.2	0.59	74.34
88.0-89.0	43.9	4.8	620.1	0.58	74.92
89.0-90.0	43.4	4.8	624.8	0.58	75.50
90.0-91.0	43.2	4.7	629.6	0.57	76.07
91.0-92.0	43.1	4.7	634.3	0.57	76.64
92.0-93.0	43.1	4.7	639.0	0.57	77.21
93.0-94.0	43.0	4.7	643.7	0.57	77.78
94.0-95.0	42.9	4.7	648.4	0.57	78.35
95.0-96.0	42.8	4.7	653.1	0.56	78.91
96.0-97.0	42.7	4.7	657.7	0.56	79.48
97.0-98.0	42.5	4.6	662.3	0.56	80.03
98.0-99.0	42.4	4.6	666.9	0.56	80.59
99.0-100.0	42.2	4.6	671.5	0.55	81.14
100.0-101.0	42.1	4.5	676.0	0.55	81.69
101.0-102.0	41.9	4.5	680.5	0.54	82.23
102.0-103.0	41.7	4.5	685.0	0.54	82.77
103.0-104.0	41.5	4.4	689.4	0.53	83.31
104.0-105.0	41.3	4.4	693.8	0.53	83.84
105.0-106.0	41.0	4.3	698.2	0.52	84.36
106.0-107.0	40.8	4.3	702.4	0.52	84.88
107.0-108.0	40.5	4.2	706.7	0.51	85.39

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	40.2	4.2	710.9	0.51	85.90
109.0-110.0	40.0	4.1	715.0	0.50	86.40
110.0-111.0	39.7	4.1	719.1	0.49	86.89
111.0-112.0	39.4	4.0	723.1	0.49	87.37
112.0-113.0	39.0	4.0	727.0	0.48	87.85
113.0-114.0	38.7	3.9	730.9	0.47	88.32
114.0-115.0	38.3	3.8	734.8	0.46	88.78
115.0-116.0	38.0	3.8	738.5	0.45	89.24
116.0-117.0	37.6	3.7	742.2	0.45	89.68
117.0-118.0	37.2	3.6	745.8	0.44	90.12
118.0-119.0	36.8	3.5	749.4	0.43	90.55
119.0-120.0	36.4	3.5	752.8	0.42	90.97
120.0-121.0	36.0	3.4	756.2	0.41	91.38
121.0-122.0	35.6	3.3	759.6	0.40	91.78
122.0-123.0	35.1	3.2	762.8	0.39	92.17
123.0-124.0	34.7	3.2	766.0	0.38	92.56
124.0-125.0	34.2	3.1	769.1	0.37	92.93
125.0-126.0	33.7	3.0	772.1	0.36	93.30
126.0-127.0	33.2	2.9	775.0	0.35	93.65
127.0-128.0	32.6	2.8	777.9	0.34	93.99
128.0-129.0	32.0	2.7	780.6	0.33	94.32
129.0-130.0	31.4	2.7	783.3	0.32	94.65
130.0-131.0	30.8	2.6	785.8	0.31	94.96
131.0-132.0	30.2	2.5	788.3	0.30	95.26
132.0-133.0	29.6	2.4	790.7	0.29	95.54
133.0-134.0	29.0	2.3	793.0	0.28	95.82
134.0-135.0	28.4	2.2	795.2	0.27	96.09
135.0-136.0	27.8	2.1	797.4	0.26	96.35
136.0-137.0	27.3	2.1	799.4	0.25	96.60
137.0-138.0	26.7	2.0	801.4	0.24	96.84
138.0-139.0	26.1	1.9	803.3	0.23	97.07
139.0-140.0	25.5	1.8	805.1	0.22	97.29
140.0-141.0	24.9	1.7	806.8	0.21	97.49
141.0-142.0	24.2	1.6	808.5	0.20	97.69
142.0-143.0	23.2	1.6	810.0	0.19	97.88
143.0-144.0	22.3	1.5	811.5	0.18	98.06

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	21.6	1.4	812.9	0.17	98.22
145.0-146.0	20.9	1.3	814.2	0.16	98.38
146.0-147.0	20.1	1.2	815.4	0.15	98.53
147.0-148.0	19.2	1.1	816.5	0.14	98.66
148.0-149.0	18.4	1.1	817.6	0.13	98.79
149.0-150.0	17.7	1.0	818.6	0.12	98.91
150.0-151.0	17.1	0.9	819.5	0.11	99.02
151.0-152.0	16.4	0.9	820.3	0.10	99.13
152.0-153.0	15.7	0.8	821.1	0.10	99.22
153.0-154.0	15.0	0.7	821.9	0.09	99.31
154.0-155.0	14.3	0.7	822.6	0.08	99.39
155.0-156.0	13.7	0.6	823.2	0.08	99.47
156.0-157.0	13.0	0.6	823.7	0.07	99.54
157.0-158.0	12.4	0.5	824.3	0.06	99.60
158.0-159.0	11.7	0.5	824.7	0.06	99.66
159.0-160.0	11.0	0.4	825.2	0.05	99.71
160.0-161.0	10.3	0.4	825.5	0.05	99.75
161.0-162.0	9.6	0.3	825.9	0.04	99.79
162.0-163.0	8.8	0.3	826.2	0.04	99.83
163.0-164.0	8.1	0.3	826.4	0.03	99.86
164.0-165.0	7.4	0.2	826.6	0.03	99.89
165.0-166.0	6.7	0.2	826.8	0.02	99.91
166.0-167.0	6.0	0.2	827.0	0.02	99.93
167.0-168.0	5.4	0.1	827.1	0.02	99.94
168.0-169.0	4.9	0.1	827.2	0.01	99.95
169.0-170.0	4.4	0.1	827.3	0.01	99.97
170.0-171.0	3.9	0.1	827.4	0.01	99.97
171.0-172.0	3.6	0.1	827.4	0.01	99.98
172.0-173.0	3.2	0.0	827.5	0.01	99.99
173.0-174.0	2.9	0.0	827.5	0.00	99.99
174.0-175.0	2.6	0.0	827.5	0.00	99.99
175.0-176.0	2.4	0.0	827.5	0.00	100.00
176.0-177.0	2.1	0.0	827.6	0.00	100.00
177.0-178.0	1.9	0.0	827.6	0.00	100.00
178.0-179.0	1.7	0.0	827.6	0.00	100.00
179.0-180.0	1.6	0.0	827.6	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: