ACOLYTE
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Report No.: **Test Time: 2021/2/5 16:00**

Luminaire Property

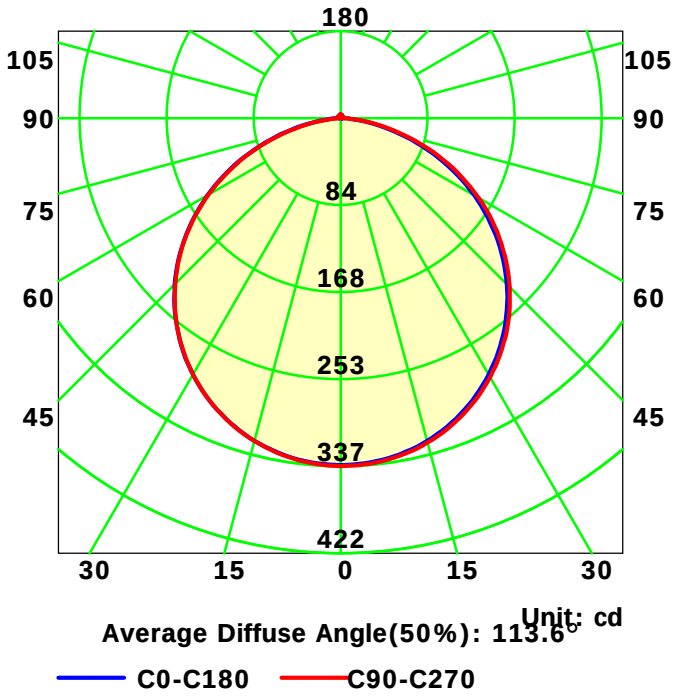
Luminaire Manufacturer:
Luminaire Category: FLEXBACKLYTE
Luminaire Description: FBL24209.030
Lamp Catalog: 2835 3000K
Number of Lamps: 144
Luminous Length (mm): 304
Luminous Width (mm): 304
Luminous Height (mm): 2
Voltage: 24.0 V
Current: 0.365 A
Power: 8.77 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 980.7 lm
Measurement Flux: 980.7 lm
Efficiency: 100%
Downward Ratio: 98%
Upward Ratio: 2%
Horizontal Diffuse Angle(10%,50%): H159.8,H113.3
Vertical Diffuse Angle(10%,50%): V159.8,V113.9
Luminaire Efficacy Rating (LER): 112
Central Intensity: 336.72 cd
Max. Intensity: 337.96 cd
Pos of Max. Intensity: H150 V0

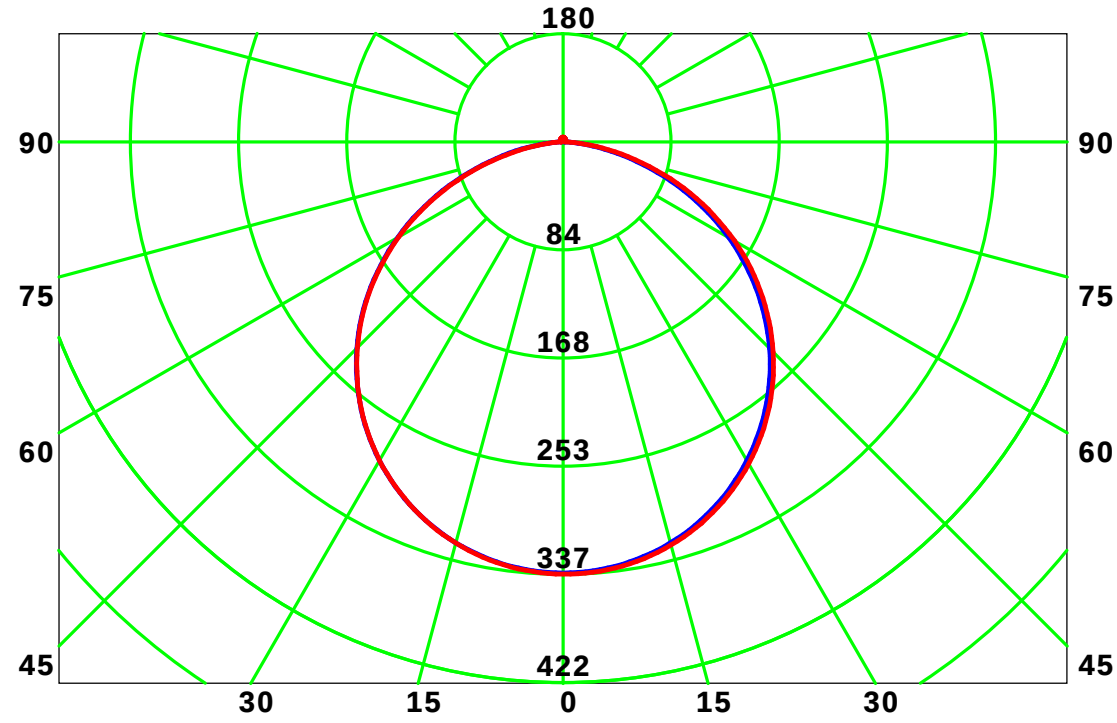
Picture Of Luminaire

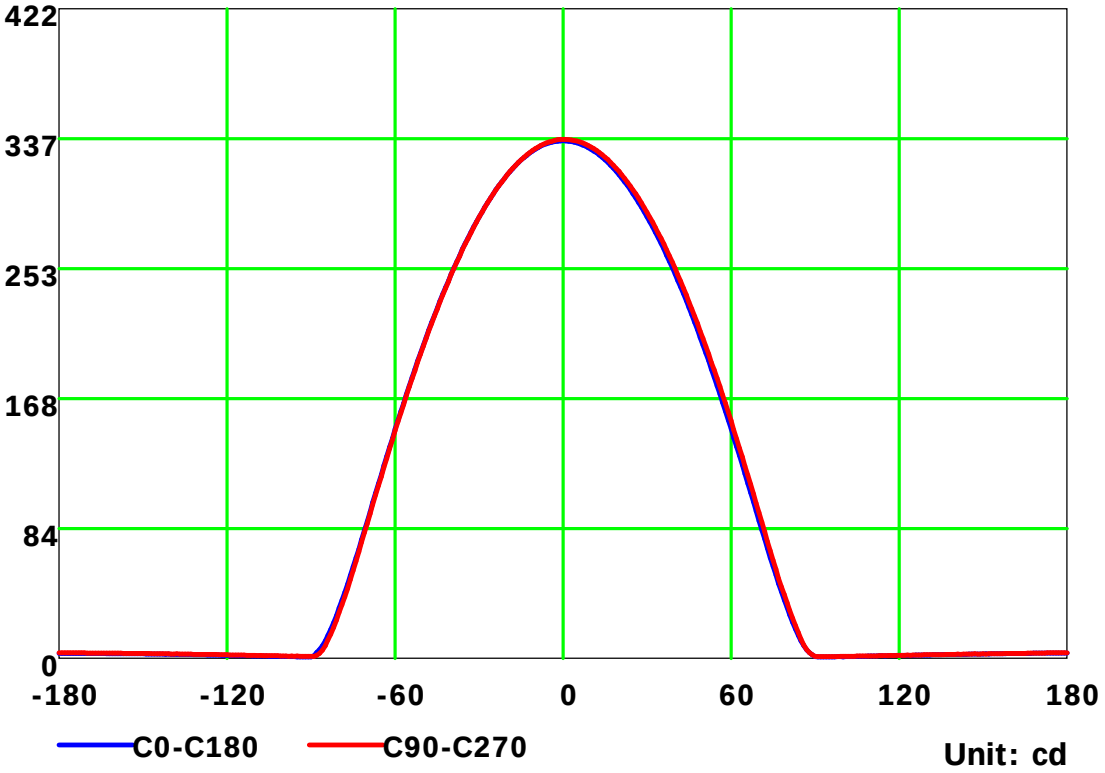
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Nick
Inspector:

Luminous Intensity Distribution Curve





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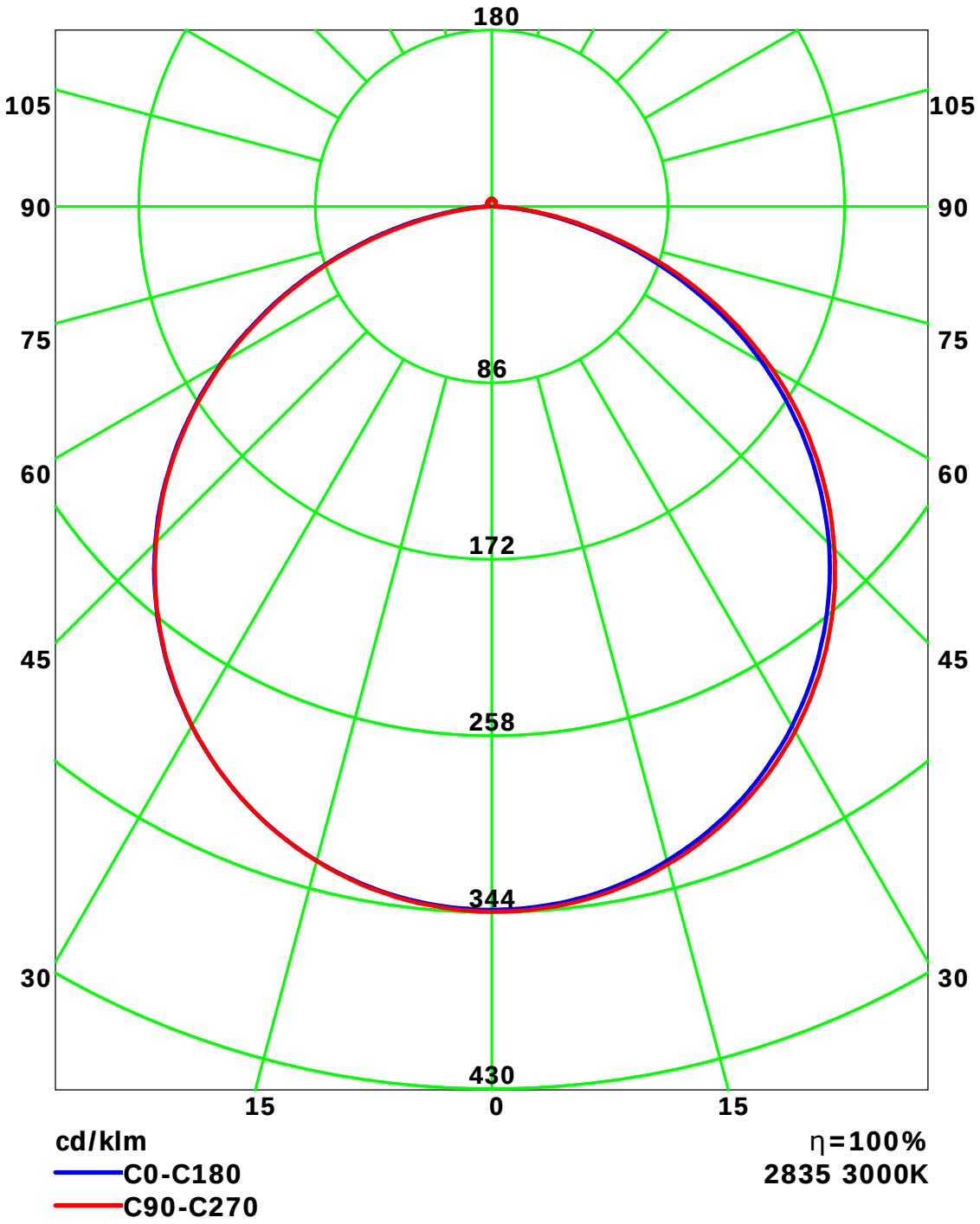
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

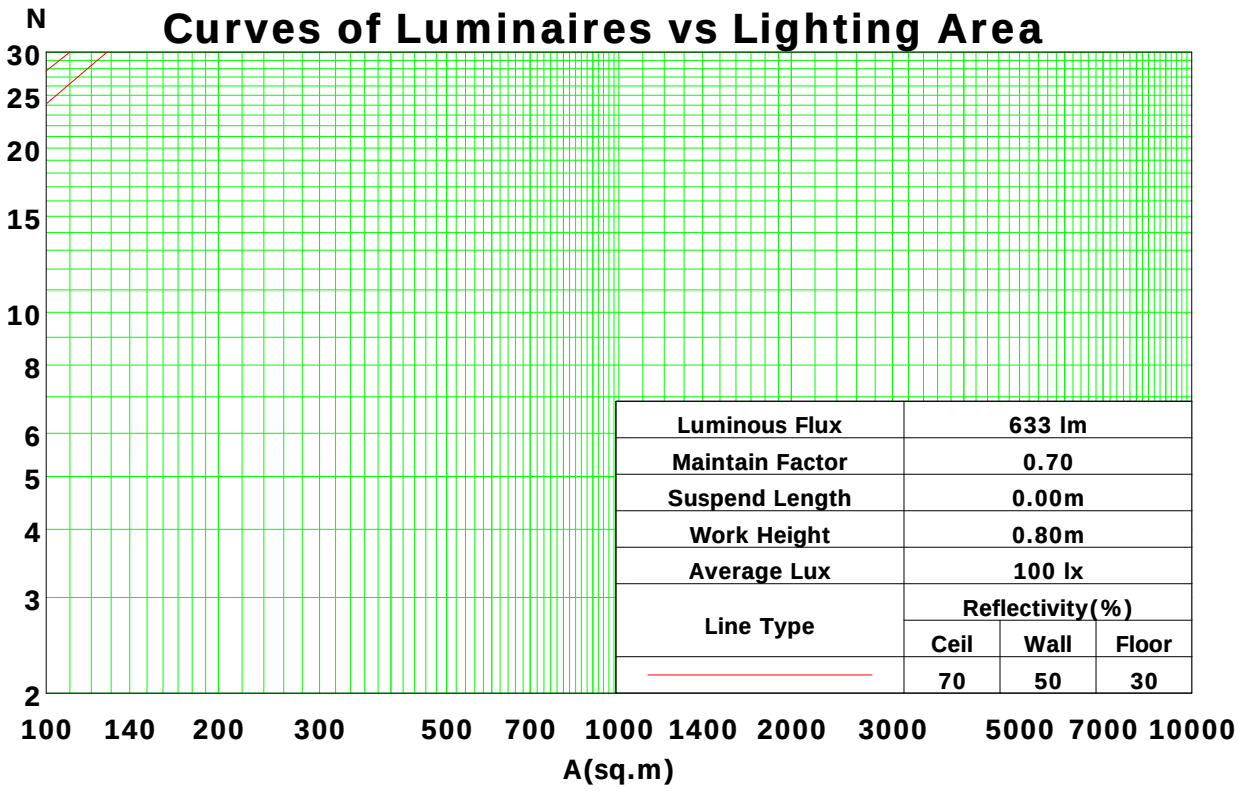
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	110	110	110	105	105	105	101	101	101	98
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	62	55	80	69	61	54	66	59	53	64	58	53	61	56	52	49
5	76	63	54	47	73	62	53	47	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	32	42	36	31	29
9	56	43	35	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	32	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

Spacing Criteria (0-180): 1.27
Spacing Criteria (90-270): 1.27
Spacing Criteria (Diagonal): 1.39

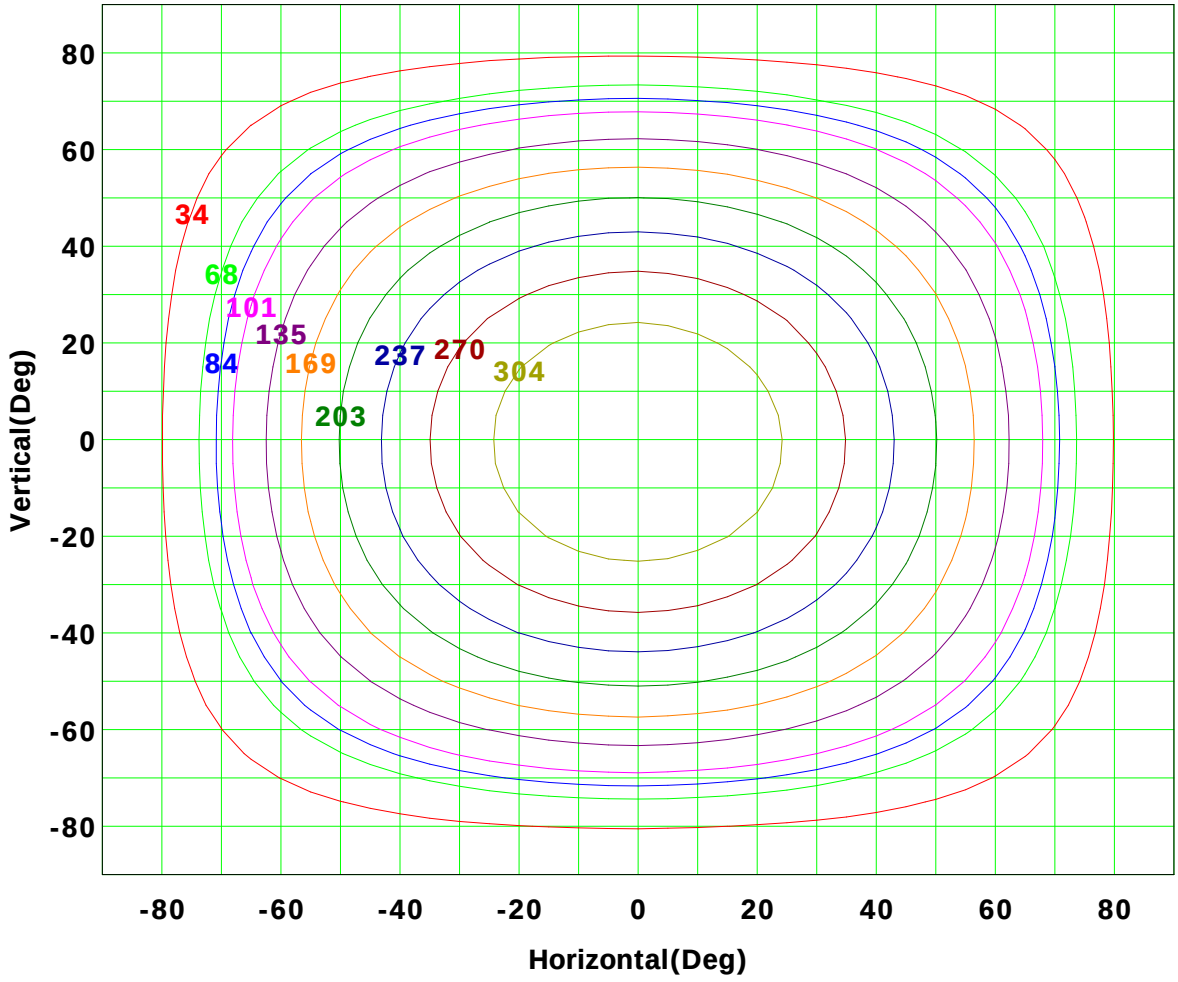
Curves of Luminaires vs Lighting Area



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)



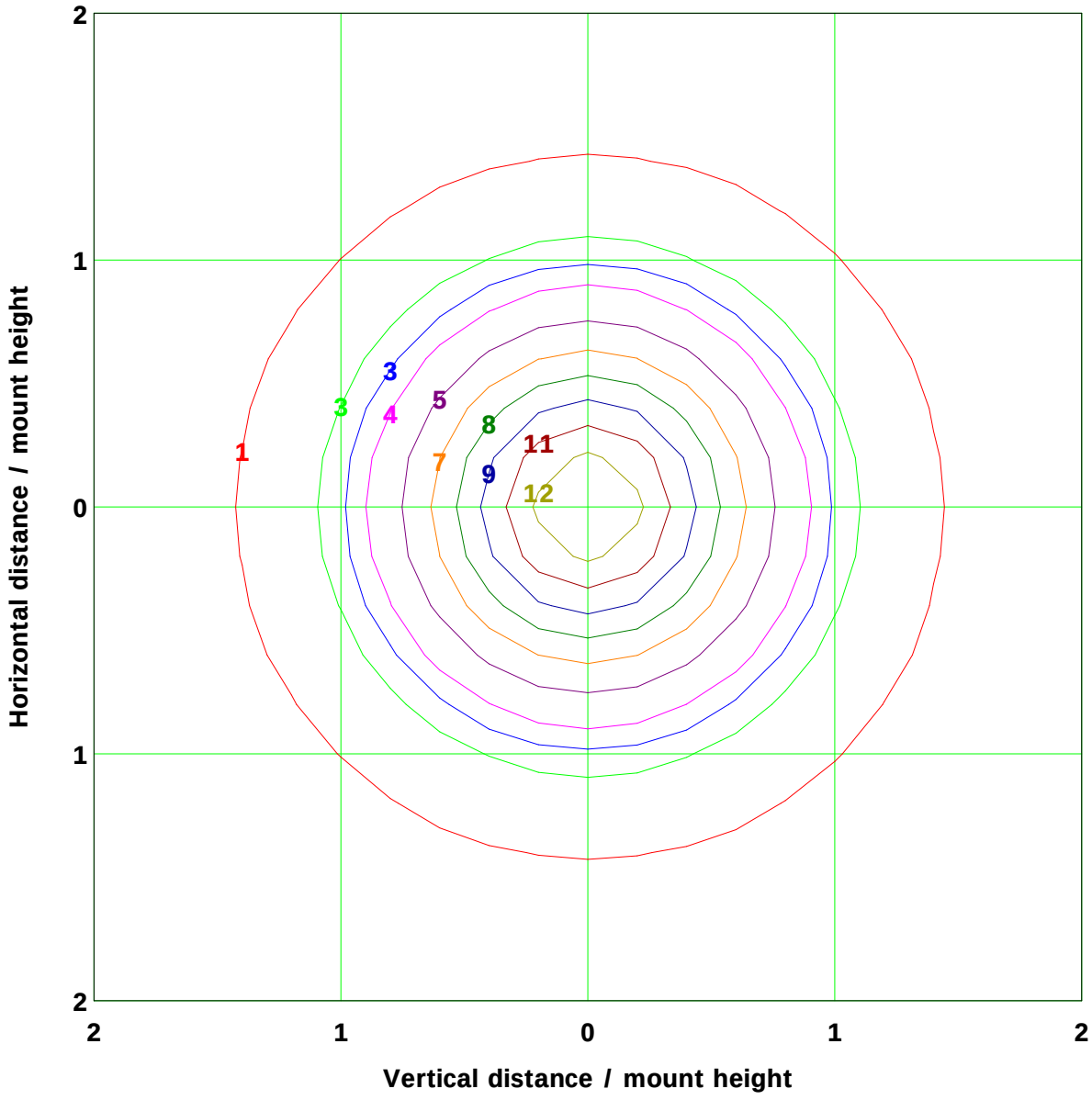
Imax (100%): 338 cd

(10%): 34 cd	(20%): 68 cd
(25%): 84 cd	(30%): 101 cd
(40%): 135 cd	(50%): 169 cd
(60%): 203 cd	(70%): 237 cd
(80%): 270 cd	(90%): 304 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%): 13.5 lx

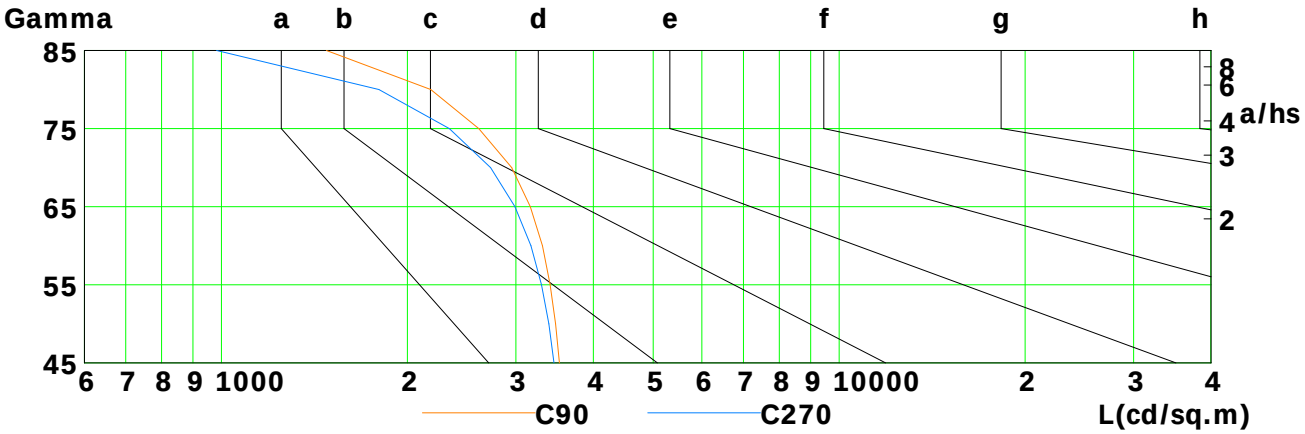
(10%): 1.4 lx	(20%): 2.7 lx
(25%): 3.4 lx	(30%): 4.1 lx
(40%): 5.4 lx	(50%): 6.8 lx
(60%): 8.1 lx	(70%): 9.5 lx
(80%): 10.8 lx	(90%): 12.2 lx

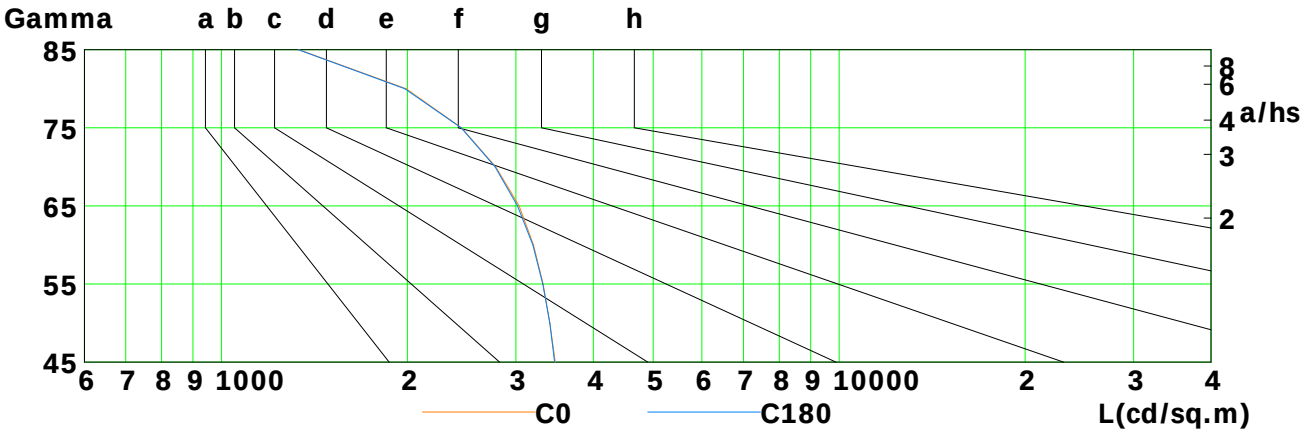
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



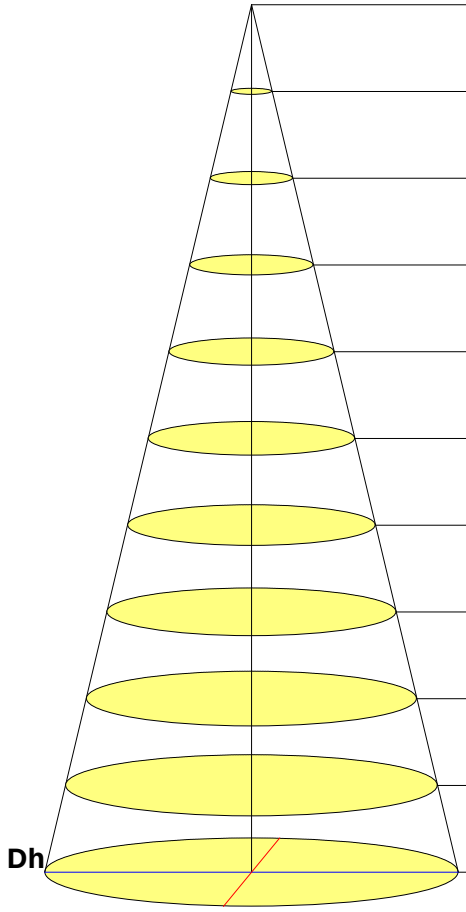


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3471	3403	3316	3201	3036	2783	2449	1992	1336
C90	3526	3476	3407	3311	3162	2953	2610	2183	1479
C180	3466	3402	3313	3193	3018	2774	2444	1982	1333
C270	3456	3391	3300	3173	2988	2728	2339	1800	983

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



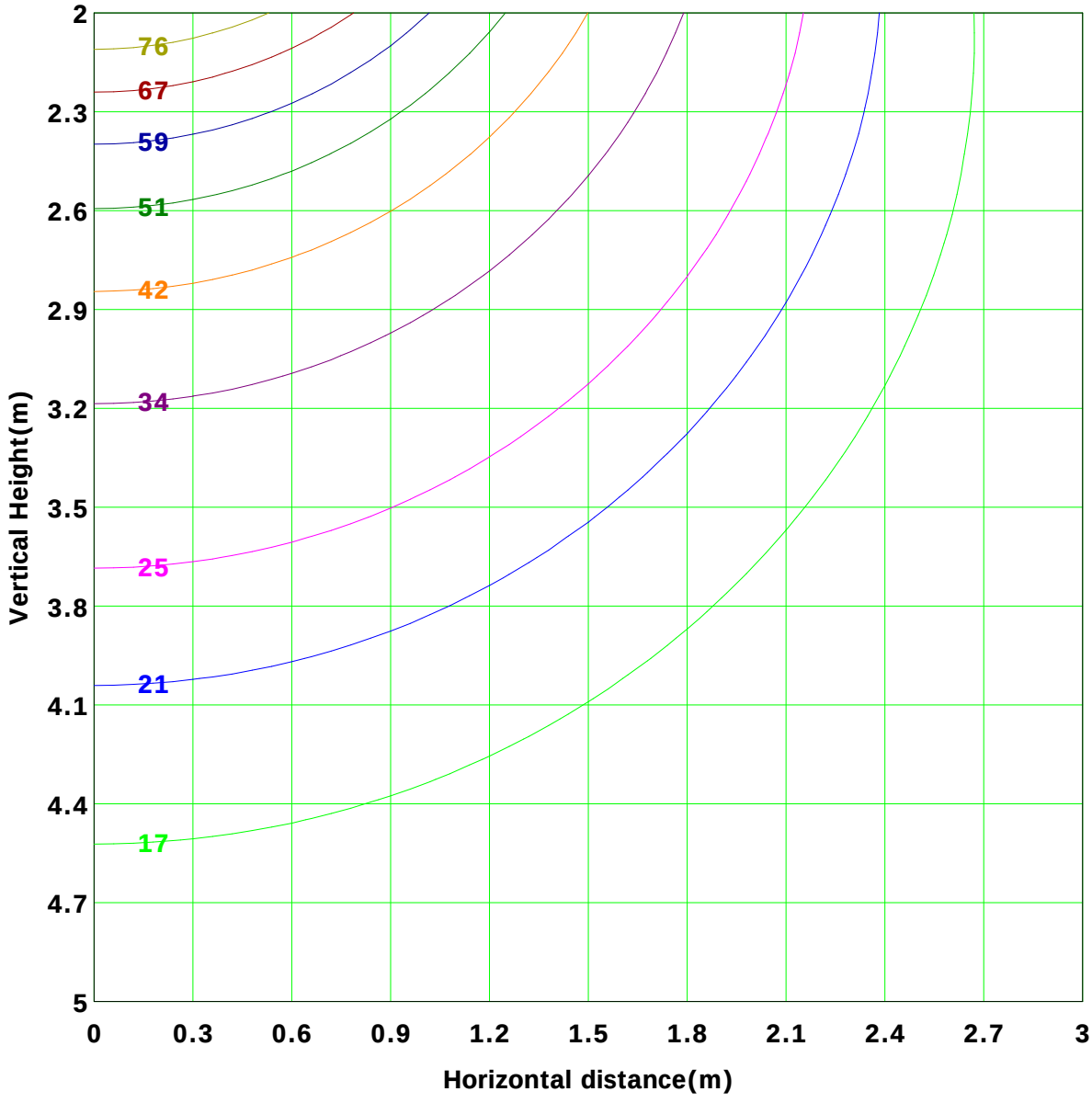
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	336.72	3.04/3.07	7.3	54.05
2.0	84.18	6.08/6.14	29.3	13.51
3.0	37.41	9.12/9.22	66.0	6.01
4.0	21.05	12.15/12.29	117.3	3.38
5.0	13.47	15.19/15.36	183.3	2.16
6.0	9.35	18.23/18.43	263.9	1.50
7.0	6.87	21.27/21.51	359.2	1.10
8.0	5.26	24.31/24.58	469.2	0.84
9.0	4.16	27.35/27.65	593.8	0.67
10.0	3.37	30.39/30.72	733.1	0.54

Beam Angle(B): H113.3 V113.9 Field Angle(F): H159.8 V159.8

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:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 84.2 lx

(10%): 8.4 lx
(20%): 16.8 lx
(25%): 21.0 lx
(30%): 25.3 lx
(40%): 33.7 lx
(50%): 42.1 lx
(60%): 50.5 lx
(70%): 58.9 lx
(80%): 67.3 lx
(90%): 75.8 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:

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Area Flux Table

Unit: lm

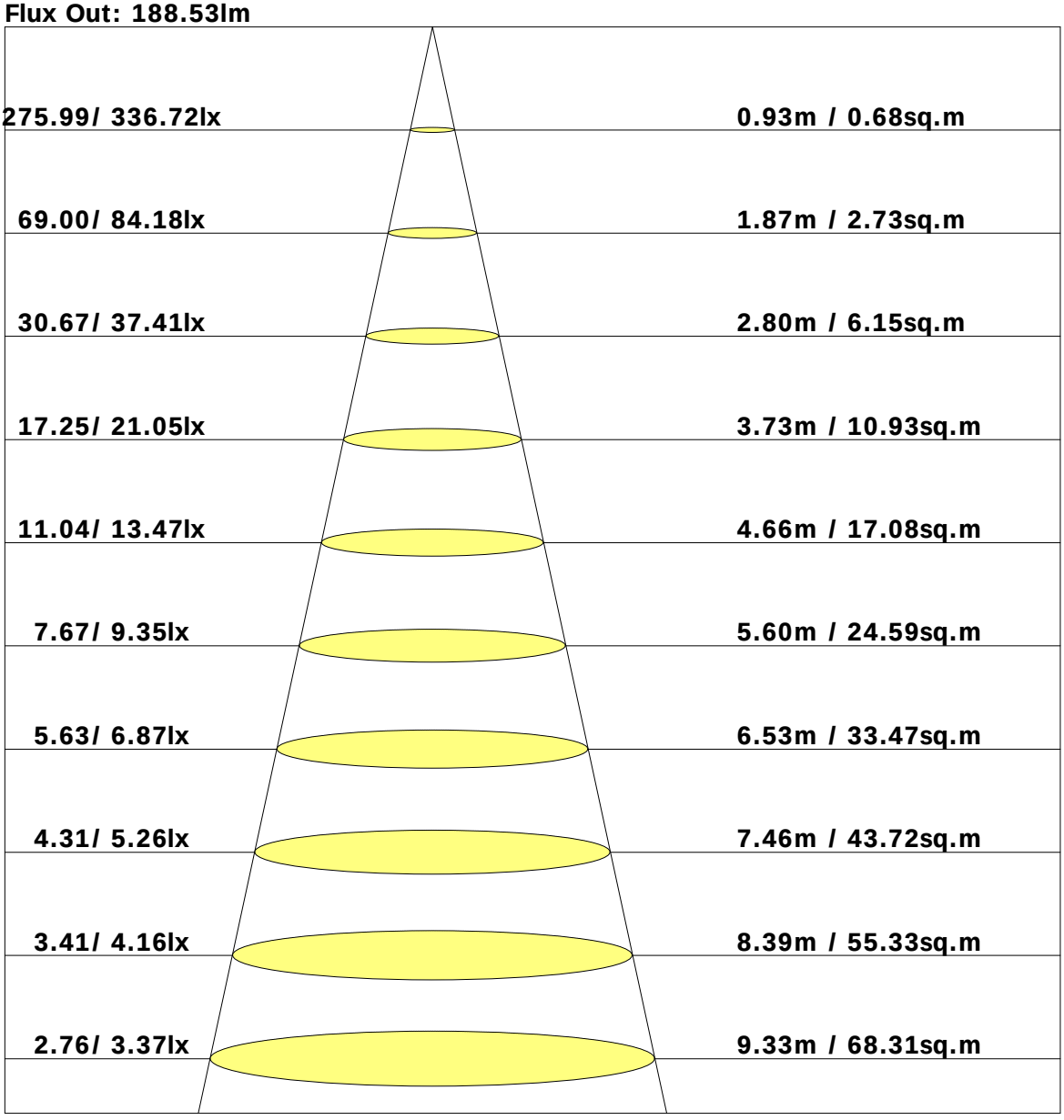
Vertical plane \ Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)
-90	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	3.0	0.0
-80	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.6	1.7	1.7	1.6	1.4	1.1	0.7	0.4	0.2	0.1	0.0	14.4	11.4
-70	0.0	0.1	0.4	0.9	1.5	2.2	2.8	3.3	3.6	3.6	3.3	2.8	2.2	1.6	0.9	0.4	0.1	0.0	29.8	29.2
-60	0.0	0.2	0.7	1.4	2.4	3.4	4.3	4.9	5.3	5.3	5.0	4.3	3.4	2.4	1.5	0.7	0.2	0.0	45.4	45.0
-50	0.0	0.3	0.9	1.9	3.2	4.4	5.5	6.4	6.8	6.8	6.4	5.6	4.5	3.2	2.0	1.0	0.3	0.0	59.3	59.0
-40	0.0	0.4	1.2	2.4	3.8	5.3	6.6	7.6	8.1	8.1	7.6	6.6	5.3	3.9	2.4	1.2	0.4	0.0	70.9	70.7
-30	0.0	0.4	1.4	2.7	4.3	6.0	7.4	8.5	9.1	9.1	8.5	7.5	6.0	4.4	2.7	1.4	0.4	0.0	79.9	79.7
-20	0.0	0.5	1.5	3.0	4.7	6.4	8.0	9.1	9.8	9.8	9.2	8.0	6.5	4.7	3.0	1.5	0.5	0.0	86.1	85.9
-10	0.0	0.5	1.5	3.1	4.9	6.7	8.3	9.5	10.1	10.1	9.5	8.3	6.7	4.9	3.1	1.6	0.5	0.0	89.2	89.1
0	0.0	0.5	1.6	3.1	4.9	6.7	8.3	9.5	10.1	10.1	9.5	8.3	6.7	4.9	3.1	1.6	0.5	0.0	89.4	89.3
10	0.0	0.5	1.5	3.0	4.7	6.5	8.0	9.2	9.8	9.8	9.2	8.0	6.5	4.7	3.0	1.5	0.5	0.0	86.6	86.5
20	0.0	0.4	1.4	2.8	4.4	6.0	7.5	8.6	9.2	9.2	8.6	7.5	6.1	4.4	2.8	1.4	0.4	0.0	80.7	80.6
30	0.0	0.4	1.2	2.4	3.9	5.4	6.7	7.7	8.2	8.2	7.7	6.7	5.4	3.9	2.5	1.2	0.4	0.0	72.0	71.8
40	0.0	0.3	1.0	2.0	3.3	4.5	5.7	6.5	7.0	7.0	6.5	5.7	4.6	3.3	2.0	1.0	0.3	0.0	60.7	60.5
50	0.0	0.2	0.7	1.5	2.5	3.5	4.4	5.1	5.5	5.5	5.1	4.4	3.5	2.5	1.5	0.7	0.2	0.0	47.0	46.7
60	0.0	0.1	0.5	1.0	1.6	2.3	3.0	3.5	3.8	3.8	3.5	3.0	2.4	1.7	1.0	0.5	0.1	0.0	31.7	31.1
70	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	0.8	0.5	0.2	0.1	0.0	16.1	14.0
80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.9	0.0
Flux(T)	0.5	5.0	15.9	32.3	51.9	72.0	89.9	103.4	110.7	110.8	103.7	90.4	72.5	52.4	32.7	16.1	5.1	0.5	966	
Flux(E)	0.0	3.9	15.0	31.4	51.0	71.1	89.0	102.5	109.8	110.0	102.9	89.6	71.7	51.5	31.8	15.2	4.0	0.0		951

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

Flux Out: 188.53lm



Height	Avg./Nadir. E	Beam Angle:50.0°	Diameter / Area
1.0m	275.99/ 336.72lx		0.93m / 0.68sq.m
2.0m	69.00/ 84.18lx		1.87m / 2.73sq.m
3.0m	30.67/ 37.41lx		2.80m / 6.15sq.m
4.0m	17.25/ 21.05lx		3.73m / 10.93sq.m
5.0m	11.04/ 13.47lx		4.66m / 17.08sq.m
6.0m	7.67/ 9.35lx		5.60m / 24.59sq.m
7.0m	5.63/ 6.87lx		6.53m / 33.47sq.m
8.0m	4.31/ 5.26lx		7.46m / 43.72sq.m
9.0m	3.41/ 4.16lx		8.39m / 55.33sq.m
10.0m	2.76/ 3.37lx		9.33m / 68.31sq.m

C Plane (°):0.0-360.0: 30.0
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
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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	16.4	18.0	16.8	18.3	18.7	16.5	18.1	16.9	18.5	18.8
3H	18.1	19.5	18.5	19.9	20.3	18.3	19.7	18.7	20.1	20.5
4H	18.7	20.0	19.1	20.4	20.8	18.9	20.3	19.3	20.6	21.0
6H	19.0	20.3	19.5	20.7	21.1	19.3	20.6	19.7	21.0	21.4
8H	19.1	20.3	19.6	20.7	21.2	19.4	20.6	19.9	21.0	21.5
12H	19.2	20.3	19.6	20.7	21.2	19.5	20.6	19.9	21.0	21.5
X=4H Y=2H	17.0	18.3	17.4	18.7	19.1	17.1	18.5	17.5	18.9	19.3
3H	18.9	20.0	19.3	20.5	20.9	19.1	20.2	19.5	20.7	21.1
4H	19.6	20.6	20.0	21.1	21.5	19.8	20.8	20.3	21.3	21.8
6H	20.1	21.0	20.6	21.4	21.9	20.3	21.2	20.8	21.7	22.2
8H	20.2	21.0	20.7	21.5	22.0	20.5	21.3	21.0	21.8	22.3
12H	20.3	21.0	20.8	21.5	22.0	20.6	21.3	21.1	21.8	22.3
X=8H Y=4H	19.9	20.7	20.3	21.2	21.7	20.1	20.9	20.6	21.4	21.9
6H	20.4	21.1	21.0	21.6	22.2	20.7	21.4	21.2	21.9	22.4
8H	20.6	21.2	21.2	21.8	22.3	20.9	21.5	21.4	22.1	22.6
12H	20.7	21.3	21.3	21.8	22.4	21.0	21.6	21.6	22.1	22.7
X=12H Y=4H	19.9	20.6	20.4	21.1	21.6	20.1	20.9	20.6	21.4	21.9
6H	20.5	21.1	21.0	21.6	22.2	20.7	21.4	21.3	21.9	22.4
8H	20.7	21.2	21.2	21.8	22.4	21.0	21.5	21.5	22.1	22.6

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		0.48	0.59	0.67	0.73	0.81	0.86	0.91	0.96	1.00
	0.20		0.43	0.53	0.61	0.67	0.76	0.82	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.77	0.84	0.88	0.92	0.96	0.99
	0.30		0.47	0.58	0.65	0.71	0.78	0.84	0.87	0.92	0.96
	0.20		0.42	0.53	0.60	0.66	0.74	0.80	0.84	0.90	0.93
0.30	0.50	0.20	0.53	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.94
	0.30		0.47	0.56	0.64	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.42	0.52	0.59	0.65	0.72	0.78	0.82	0.87	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.69	0.74	0.77	0.82	0.85

Rating:9W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.19
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	0.19
	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:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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(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	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.06	0.08	0.09	0.10	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.21	0.22	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.17	0.18	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Rating:9W Photometrically tested without ceiling board.
Multiply UF values by service correction factors
Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

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

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	337.4	0.3	0.3	0.03	0.03
1.0-2.0	337.3	1.0	1.3	0.10	0.13
2.0-3.0	337.1	1.6	2.9	0.16	0.30
3.0-4.0	336.7	2.3	5.2	0.23	0.53
4.0-5.0	336.3	2.9	8.1	0.30	0.82
5.0-6.0	335.7	3.5	11.6	0.36	1.18
6.0-7.0	335.1	4.2	15.7	0.42	1.60
7.0-8.0	334.3	4.8	20.5	0.49	2.09
8.0-9.0	333.4	5.4	25.9	0.55	2.64
9.0-10.0	332.4	6.0	31.9	0.61	3.26
10.0-11.0	331.3	6.6	38.6	0.68	3.93
11.0-12.0	330.1	7.2	45.8	0.74	4.67
12.0-13.0	328.8	7.8	53.6	0.80	5.46
13.0-14.0	327.3	8.4	62.0	0.85	6.32
14.0-15.0	325.8	8.9	70.9	0.91	7.23
15.0-16.0	324.1	9.5	80.4	0.97	8.20
16.0-17.0	322.4	10.0	90.4	1.02	9.22
17.0-18.0	320.5	10.6	101.0	1.08	10.30
18.0-19.0	318.5	11.1	112.1	1.13	11.43
19.0-20.0	316.4	11.6	123.7	1.18	12.61
20.0-21.0	314.2	12.1	135.7	1.23	13.84
21.0-22.0	311.9	12.5	148.3	1.28	15.12
22.0-23.0	309.5	13.0	161.3	1.32	16.44
23.0-24.0	307.0	13.4	174.7	1.37	17.81
24.0-25.0	304.3	13.8	188.5	1.41	19.22
25.0-26.0	301.6	14.2	202.8	1.45	20.68
26.0-27.0	298.8	14.6	217.4	1.49	22.17
27.0-28.0	295.9	15.0	232.4	1.53	23.69
28.0-29.0	292.9	15.3	247.7	1.56	25.26
29.0-30.0	289.8	15.6	263.3	1.60	26.85
30.0-31.0	286.5	15.9	279.3	1.63	28.48
31.0-32.0	283.2	16.2	295.5	1.65	30.13
32.0-33.0	279.7	16.5	312.0	1.68	31.81
33.0-34.0	276.2	16.7	328.7	1.70	33.52
34.0-35.0	272.6	16.9	345.7	1.73	35.25
35.0-36.0	268.9	17.1	362.8	1.75	36.99

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	265.1	17.3	380.1	1.76	38.75
37.0-38.0	261.2	17.4	397.5	1.78	40.53
38.0-39.0	257.2	17.6	415.1	1.79	42.32
39.0-40.0	253.1	17.7	432.7	1.80	44.12
40.0-41.0	248.9	17.7	450.4	1.81	45.93
41.0-42.0	244.6	17.8	468.2	1.81	47.74
42.0-43.0	240.2	17.8	486.0	1.81	49.56
43.0-44.0	235.8	17.8	503.8	1.81	51.37
44.0-45.0	231.2	17.8	521.6	1.81	53.19
45.0-46.0	226.6	17.7	539.3	1.81	54.99
46.0-47.0	221.9	17.7	557.0	1.80	56.79
47.0-48.0	217.1	17.6	574.5	1.79	58.58
48.0-49.0	212.2	17.4	591.9	1.78	60.36
49.0-50.0	207.2	17.3	609.2	1.76	62.12
50.0-51.0	202.1	17.1	626.3	1.74	63.87
51.0-52.0	197.0	16.9	643.2	1.72	65.59
52.0-53.0	191.8	16.7	659.9	1.70	67.29
53.0-54.0	186.5	16.4	676.4	1.68	68.97
54.0-55.0	181.2	16.2	692.5	1.65	70.62
55.0-56.0	175.8	15.9	708.4	1.62	72.24
56.0-57.0	170.3	15.6	724.0	1.59	73.82
57.0-58.0	164.7	15.2	739.2	1.55	75.38
58.0-59.0	159.1	14.9	754.1	1.52	76.89
59.0-60.0	153.2	14.5	768.6	1.48	78.37
60.0-61.0	147.3	14.1	782.6	1.43	79.80
61.0-62.0	141.3	13.6	796.3	1.39	81.19
62.0-63.0	135.3	13.2	809.4	1.34	82.54
63.0-64.0	129.3	12.7	822.1	1.29	83.83
64.0-65.0	123.4	12.2	834.3	1.25	85.07
65.0-66.0	117.4	11.7	846.0	1.19	86.27
66.0-67.0	111.4	11.2	857.2	1.14	87.41
67.0-68.0	105.4	10.7	867.9	1.09	88.50
68.0-69.0	99.3	10.1	878.1	1.03	89.53
69.0-70.0	93.2	9.6	887.6	0.98	90.51
70.0-71.0	87.1	9.0	896.6	0.92	91.43
71.0-72.0	81.0	8.4	905.1	0.86	92.29

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	74.8	7.8	912.9	0.80	93.08
73.0-74.0	68.6	7.2	920.1	0.74	93.82
74.0-75.0	62.7	6.6	926.7	0.68	94.50
75.0-76.0	56.9	6.0	932.8	0.62	95.11
76.0-77.0	51.2	5.5	938.2	0.56	95.67
77.0-78.0	45.7	4.9	943.1	0.50	96.17
78.0-79.0	40.5	4.3	947.5	0.44	96.61
79.0-80.0	35.4	3.8	951.3	0.39	97.00
80.0-81.0	30.5	3.3	954.6	0.34	97.34
81.0-82.0	25.8	2.8	957.4	0.29	97.62
82.0-83.0	21.3	2.3	959.7	0.24	97.86
83.0-84.0	17.1	1.9	961.6	0.19	98.05
84.0-85.0	13.2	1.4	963.0	0.15	98.20
85.0-86.0	9.7	1.1	964.1	0.11	98.30
86.0-87.0	6.8	0.7	964.8	0.08	98.38
87.0-88.0	4.6	0.5	965.3	0.05	98.43
88.0-89.0	3.0	0.3	965.6	0.03	98.46
89.0-90.0	2.0	0.2	965.9	0.02	98.49
90.0-91.0	1.5	0.2	966.0	0.02	98.50
91.0-92.0	1.4	0.2	966.2	0.02	98.52
92.0-93.0	1.4	0.1	966.3	0.02	98.53
93.0-94.0	1.4	0.2	966.5	0.02	98.55
94.0-95.0	1.4	0.2	966.6	0.02	98.57
95.0-96.0	1.5	0.2	966.8	0.02	98.58
96.0-97.0	1.5	0.2	967.0	0.02	98.60
97.0-98.0	1.5	0.2	967.1	0.02	98.62
98.0-99.0	1.5	0.2	967.3	0.02	98.63
99.0-100.0	1.6	0.2	967.5	0.02	98.65
100.0-101.0	1.6	0.2	967.6	0.02	98.67
101.0-102.0	1.6	0.2	967.8	0.02	98.69
102.0-103.0	1.7	0.2	968.0	0.02	98.70
103.0-104.0	1.7	0.2	968.2	0.02	98.72
104.0-105.0	1.8	0.2	968.4	0.02	98.74
105.0-106.0	1.8	0.2	968.5	0.02	98.76
106.0-107.0	1.8	0.2	968.7	0.02	98.78
107.0-108.0	1.9	0.2	968.9	0.02	98.80

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	1.9	0.2	969.1	0.02	98.82
109.0-110.0	1.9	0.2	969.3	0.02	98.84
110.0-111.0	2.0	0.2	969.5	0.02	98.86
111.0-112.0	2.0	0.2	969.7	0.02	98.88
112.0-113.0	2.0	0.2	969.9	0.02	98.90
113.0-114.0	2.1	0.2	970.1	0.02	98.92
114.0-115.0	2.1	0.2	970.3	0.02	98.94
115.0-116.0	2.1	0.2	970.6	0.02	98.97
116.0-117.0	2.2	0.2	970.8	0.02	98.99
117.0-118.0	2.2	0.2	971.0	0.02	99.01
118.0-119.0	2.2	0.2	971.2	0.02	99.03
119.0-120.0	2.3	0.2	971.4	0.02	99.05
120.0-121.0	2.3	0.2	971.6	0.02	99.08
121.0-122.0	2.4	0.2	971.9	0.02	99.10
122.0-123.0	2.4	0.2	972.1	0.02	99.12
123.0-124.0	2.4	0.2	972.3	0.02	99.14
124.0-125.0	2.5	0.2	972.5	0.02	99.17
125.0-126.0	2.5	0.2	972.8	0.02	99.19
126.0-127.0	2.5	0.2	973.0	0.02	99.21
127.0-128.0	2.6	0.2	973.2	0.02	99.24
128.0-129.0	2.6	0.2	973.4	0.02	99.26
129.0-130.0	2.6	0.2	973.6	0.02	99.28
130.0-131.0	2.7	0.2	973.9	0.02	99.30
131.0-132.0	2.7	0.2	974.1	0.02	99.33
132.0-133.0	2.7	0.2	974.3	0.02	99.35
133.0-134.0	2.8	0.2	974.5	0.02	99.37
134.0-135.0	2.8	0.2	974.8	0.02	99.39
135.0-136.0	2.8	0.2	975.0	0.02	99.42
136.0-137.0	2.9	0.2	975.2	0.02	99.44
137.0-138.0	2.9	0.2	975.4	0.02	99.46
138.0-139.0	2.9	0.2	975.6	0.02	99.48
139.0-140.0	3.0	0.2	975.8	0.02	99.50
140.0-141.0	3.0	0.2	976.0	0.02	99.53
141.0-142.0	3.0	0.2	976.2	0.02	99.55
142.0-143.0	3.0	0.2	976.4	0.02	99.57
143.0-144.0	3.1	0.2	976.6	0.02	99.59

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	3.1	0.2	976.8	0.02	99.61
145.0-146.0	3.1	0.2	977.0	0.02	99.63
146.0-147.0	3.1	0.2	977.2	0.02	99.65
147.0-148.0	3.2	0.2	977.4	0.02	99.67
148.0-149.0	3.2	0.2	977.6	0.02	99.68
149.0-150.0	3.2	0.2	977.8	0.02	99.70
150.0-151.0	3.2	0.2	978.0	0.02	99.72
151.0-152.0	3.3	0.2	978.1	0.02	99.74
152.0-153.0	3.3	0.2	978.3	0.02	99.76
153.0-154.0	3.3	0.2	978.5	0.02	99.77
154.0-155.0	3.4	0.2	978.6	0.02	99.79
155.0-156.0	3.4	0.2	978.8	0.02	99.80
156.0-157.0	3.4	0.1	978.9	0.02	99.82
157.0-158.0	3.4	0.1	979.1	0.01	99.83
158.0-159.0	3.4	0.1	979.2	0.01	99.85
159.0-160.0	3.5	0.1	979.3	0.01	99.86
160.0-161.0	3.5	0.1	979.5	0.01	99.87
161.0-162.0	3.5	0.1	979.6	0.01	99.89
162.0-163.0	3.5	0.1	979.7	0.01	99.90
163.0-164.0	3.5	0.1	979.8	0.01	99.91
164.0-165.0	3.6	0.1	979.9	0.01	99.92
165.0-166.0	3.6	0.1	980.0	0.01	99.93
166.0-167.0	3.6	0.1	980.1	0.01	99.94
167.0-168.0	3.6	0.1	980.2	0.01	99.95
168.0-169.0	3.7	0.1	980.3	0.01	99.96
169.0-170.0	3.7	0.1	980.3	0.01	99.96
170.0-171.0	3.7	0.1	980.4	0.01	99.97
171.0-172.0	3.7	0.1	980.5	0.01	99.98
172.0-173.0	3.7	0.1	980.5	0.01	99.98
173.0-174.0	3.7	0.0	980.6	0.00	99.99
174.0-175.0	3.7	0.0	980.6	0.00	99.99
175.0-176.0	3.8	0.0	980.6	0.00	99.99
176.0-177.0	3.8	0.0	980.7	0.00	100.00
177.0-178.0	3.8	0.0	980.7	0.00	100.00
178.0-179.0	3.8	0.0	980.7	0.00	100.00
179.0-180.0	3.8	0.0	980.7	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: