ACOLYTE
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Report No.: **Test Time: 2020/11/17 09:07**

Luminaire Property

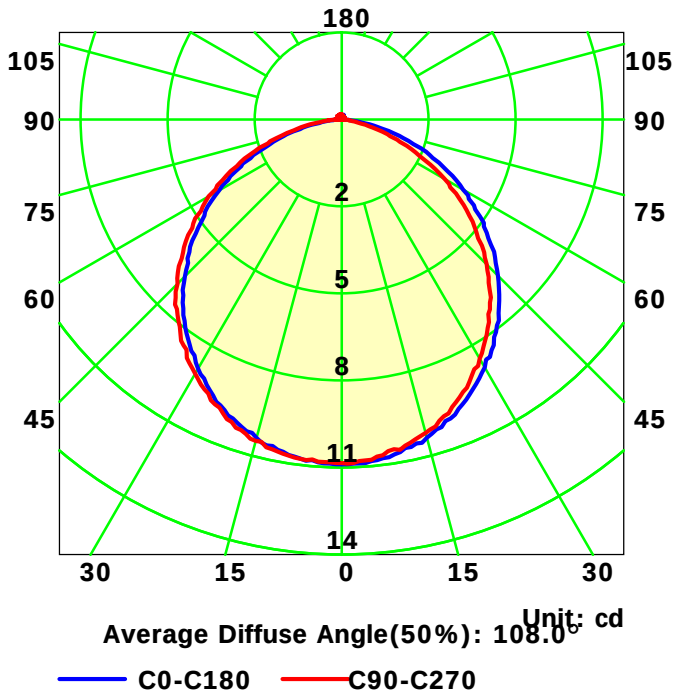
Luminaire Manufacturer:
Luminaire Category: Silhouette 3.0
Luminaire Description: RB0VWS2203.0VW-8N
Lamp Catalog: 8N-61 **Lamp Description: 35272IN1 6100K**
Number of Lamps: 140/M **Luminous Length (mm): 500**
Luminous Width (mm): 6 **Luminous Height (mm): 12**
Voltage: 24.0 V **Current: 0.100 A**
Power: 2.39 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 31.5 lm**
Measurement Flux: 31.5 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H157.7,H108.7
Vertical Diffuse Angle(10%,50%): V155.1,V107.4
Luminaire Efficacy Rating (LER): 13 **Central Intensity: 11.56 cd**
Max. Intensity: 11.58 cd **Pos of Max. Intensity: H210 V2**

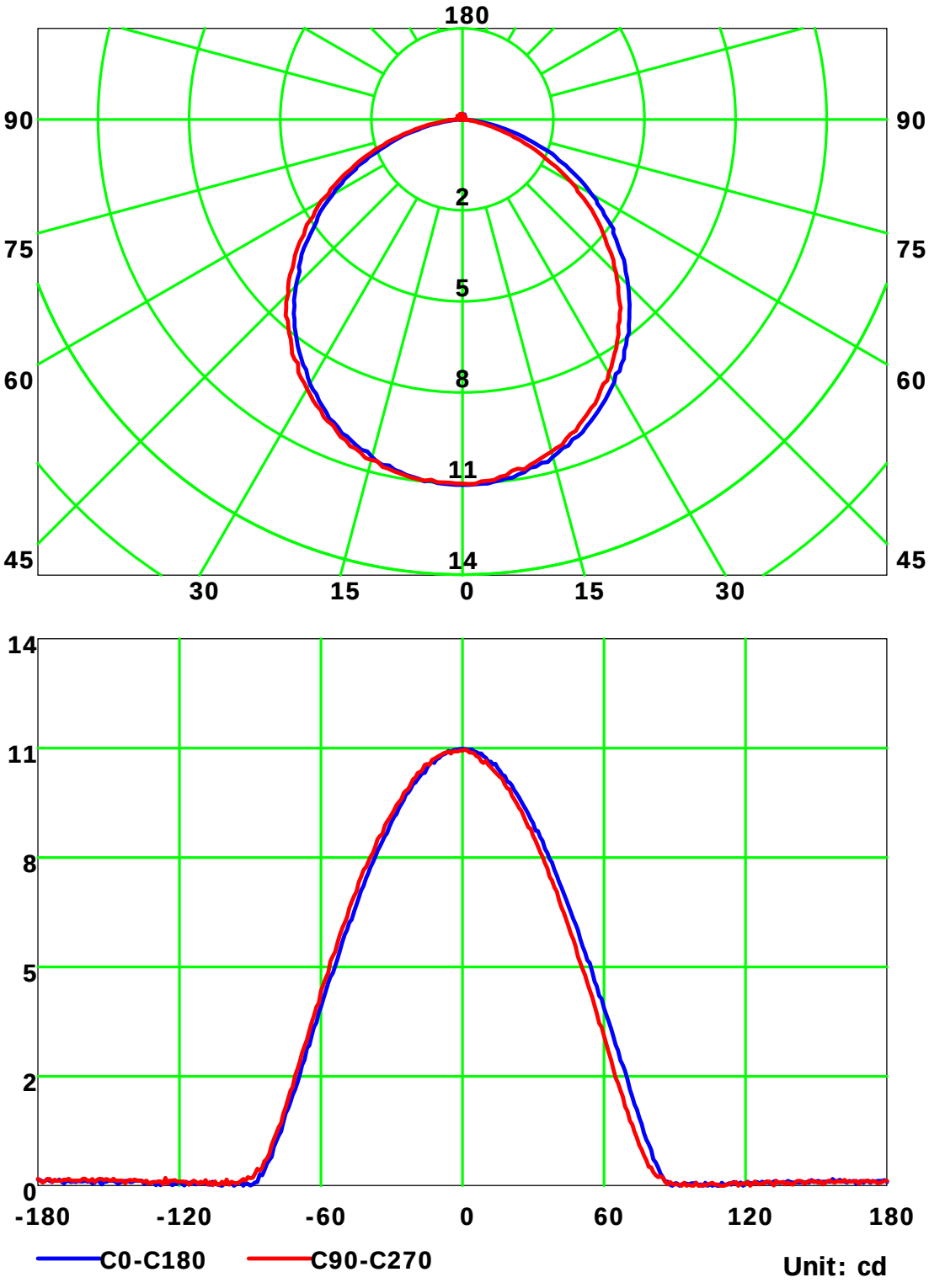
Picture Of Luminaire

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



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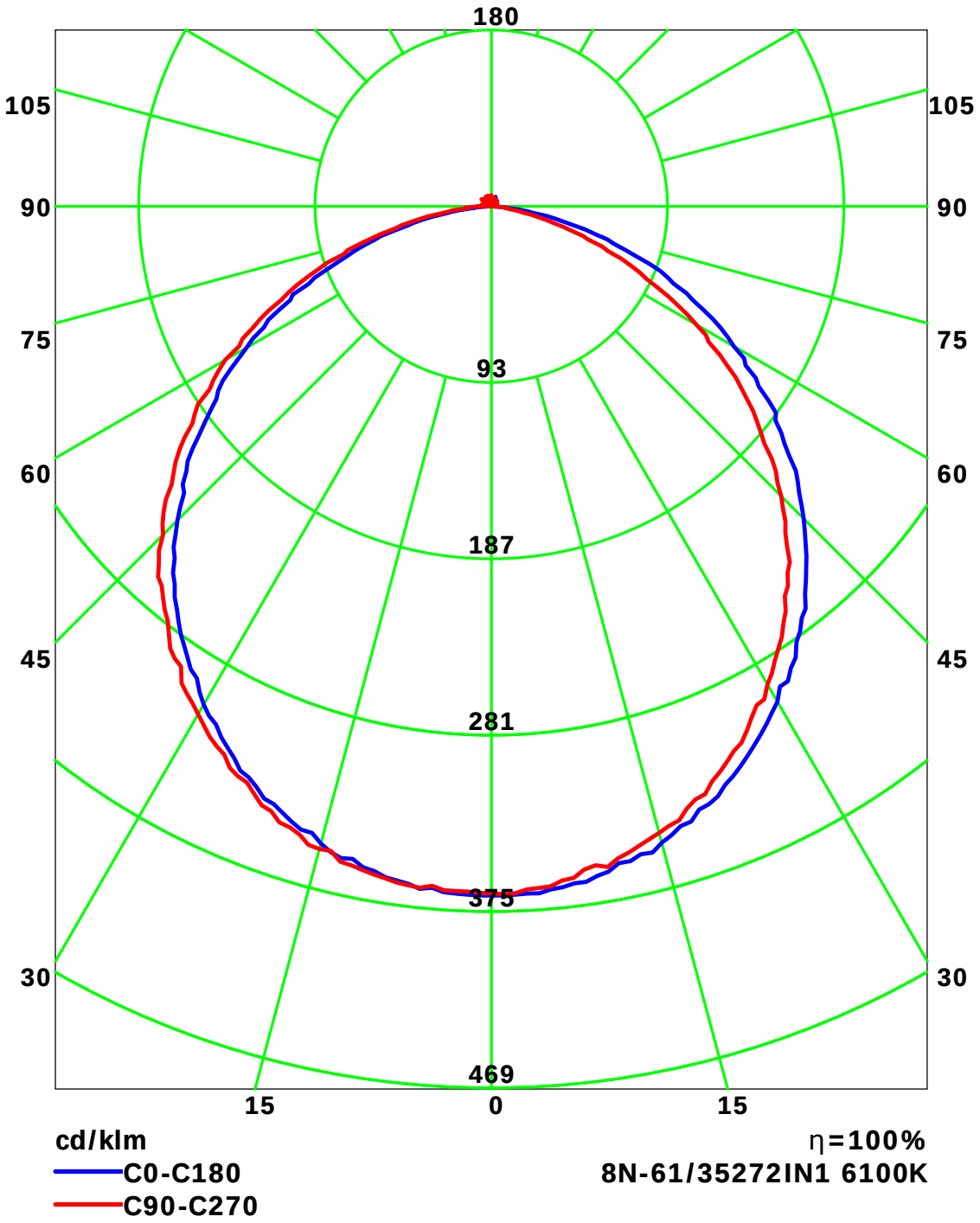
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

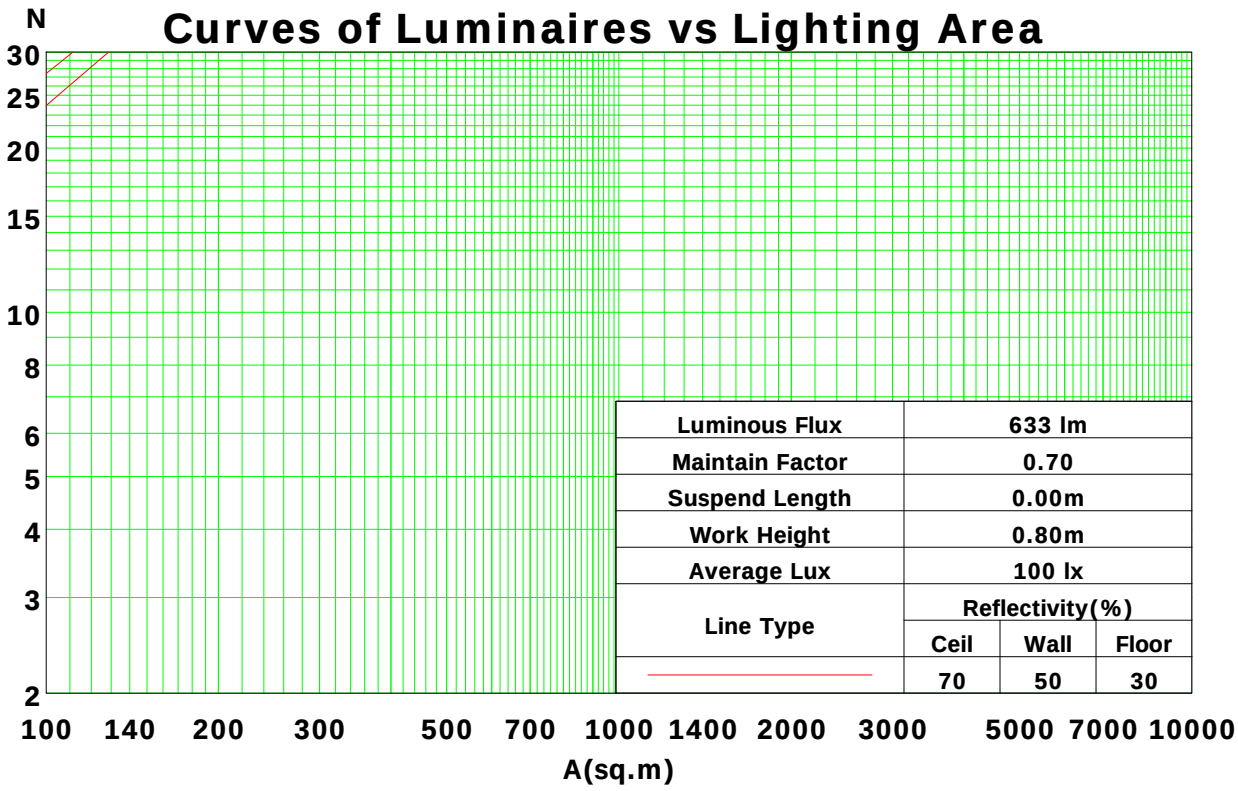
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	89	87	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	72	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	71	57	49	42	69	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	48	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.23
Spacing Criteria (Diagonal): 1.35

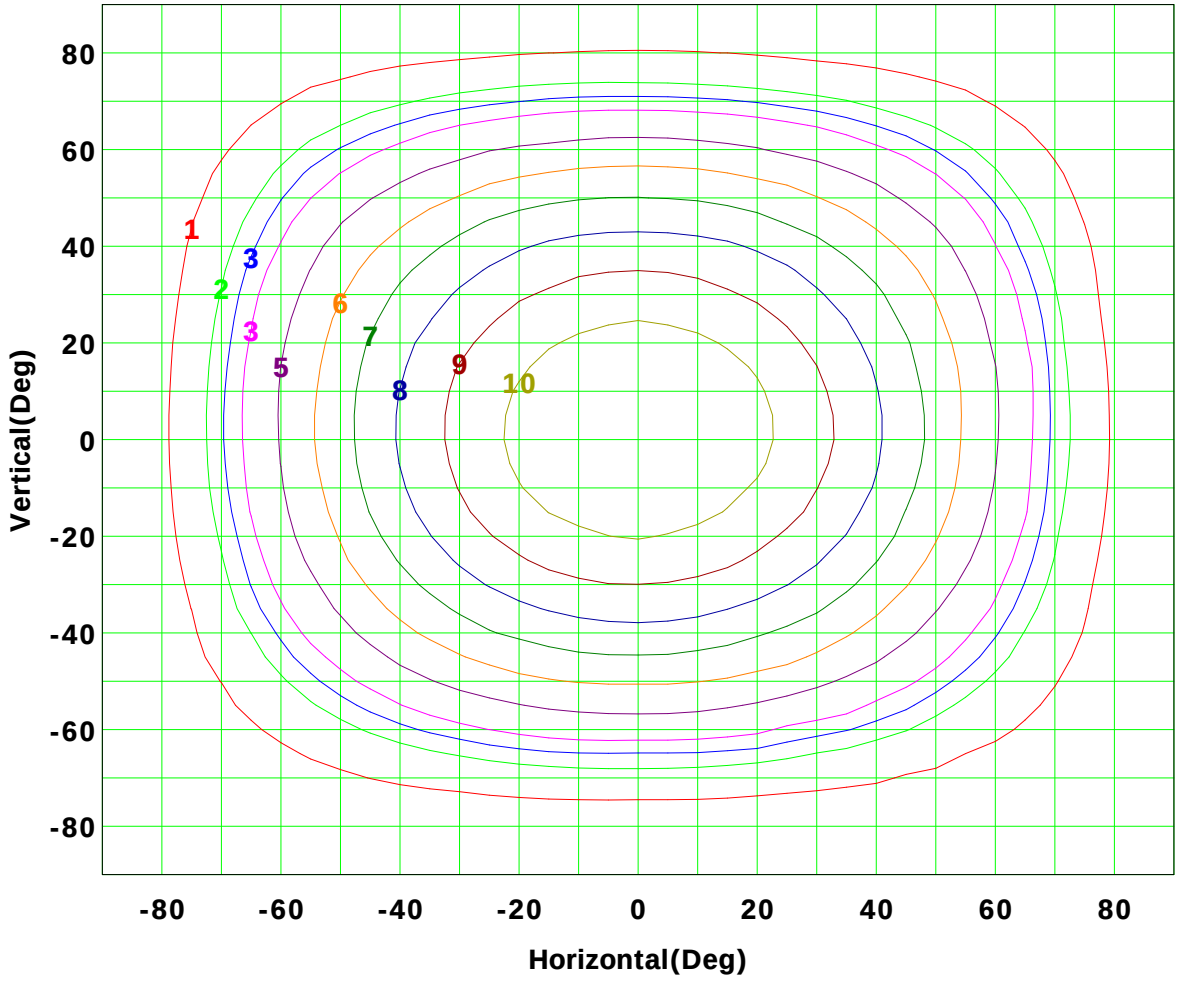
Curves of Luminaires vs Lighting Area



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)



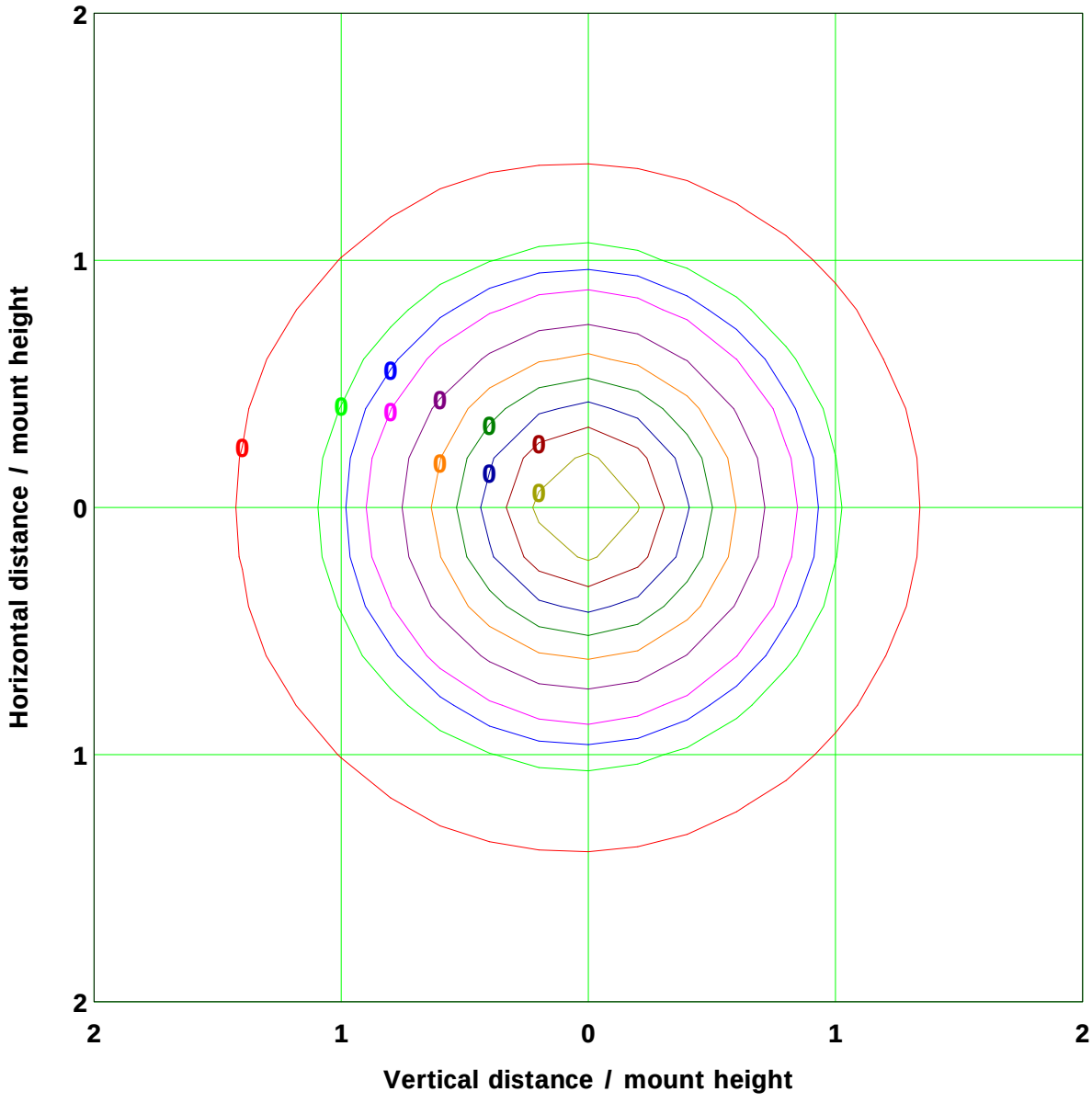
Imax (100%): 12 cd

(10%):	1 cd	(20%):	2 cd
(25%):	3 cd	(30%):	3 cd
(40%):	5 cd	(50%):	6 cd
(60%):	7 cd	(70%):	8 cd
(80%):	9 cd	(90%):	10 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%): 0.5 lx

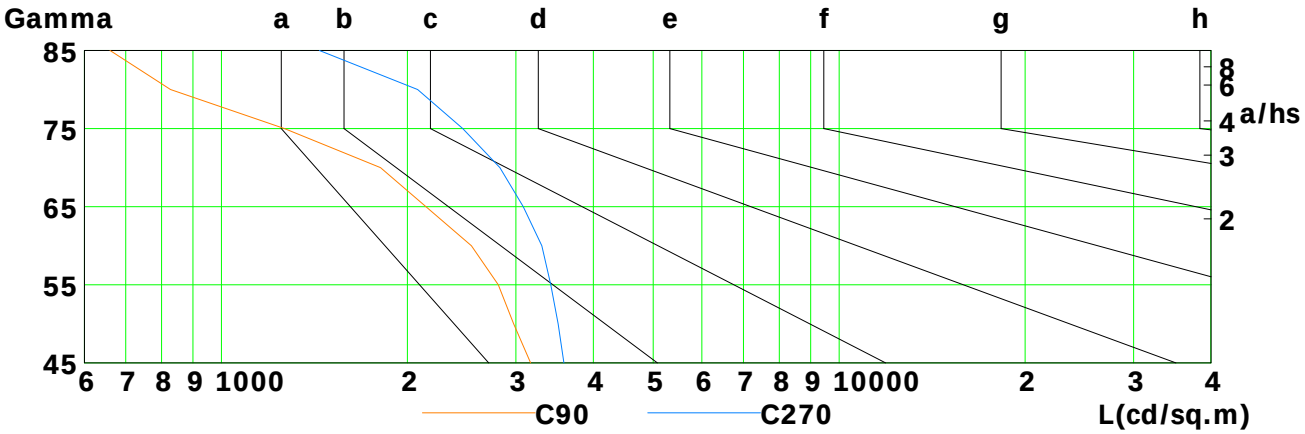
(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.2 lx	(50%): 0.2 lx
(60%): 0.3 lx	(70%): 0.3 lx
(80%): 0.4 lx	(90%): 0.4 lx

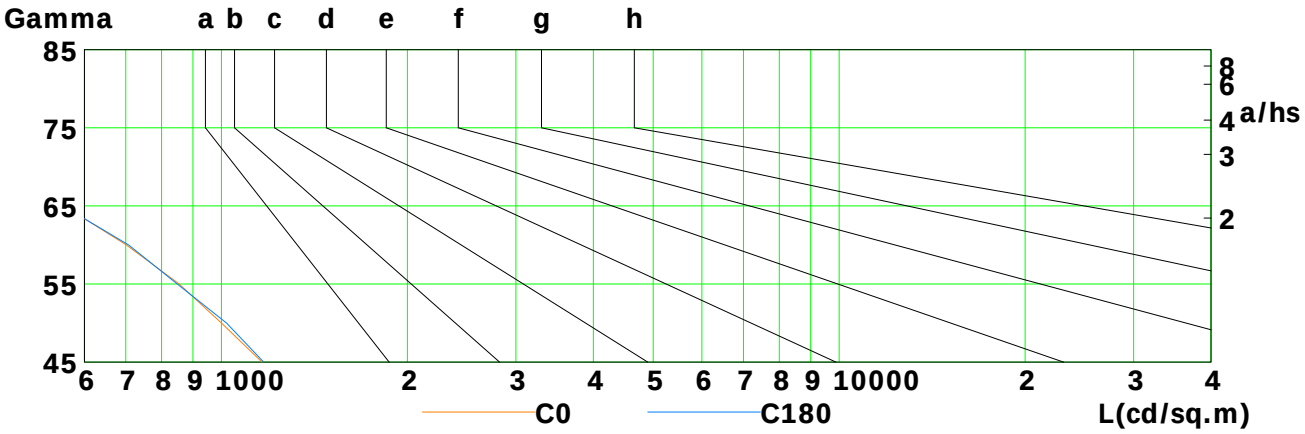
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



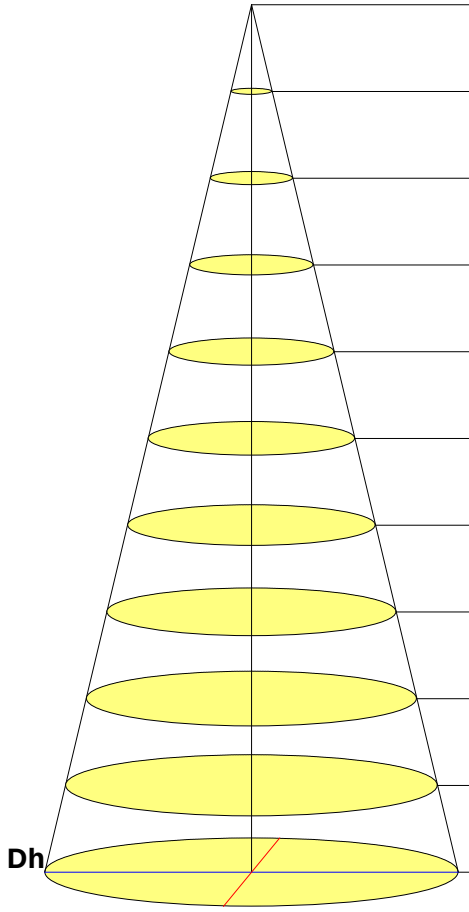


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1164	1001	854	702	556	423	274	148	37
C90	3167	2975	2809	2541	2145	1810	1265	828	660
C180	1171	1019	848	708	555	411	292	159	45
C270	3586	3509	3416	3303	3083	2825	2459	2078	1441

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



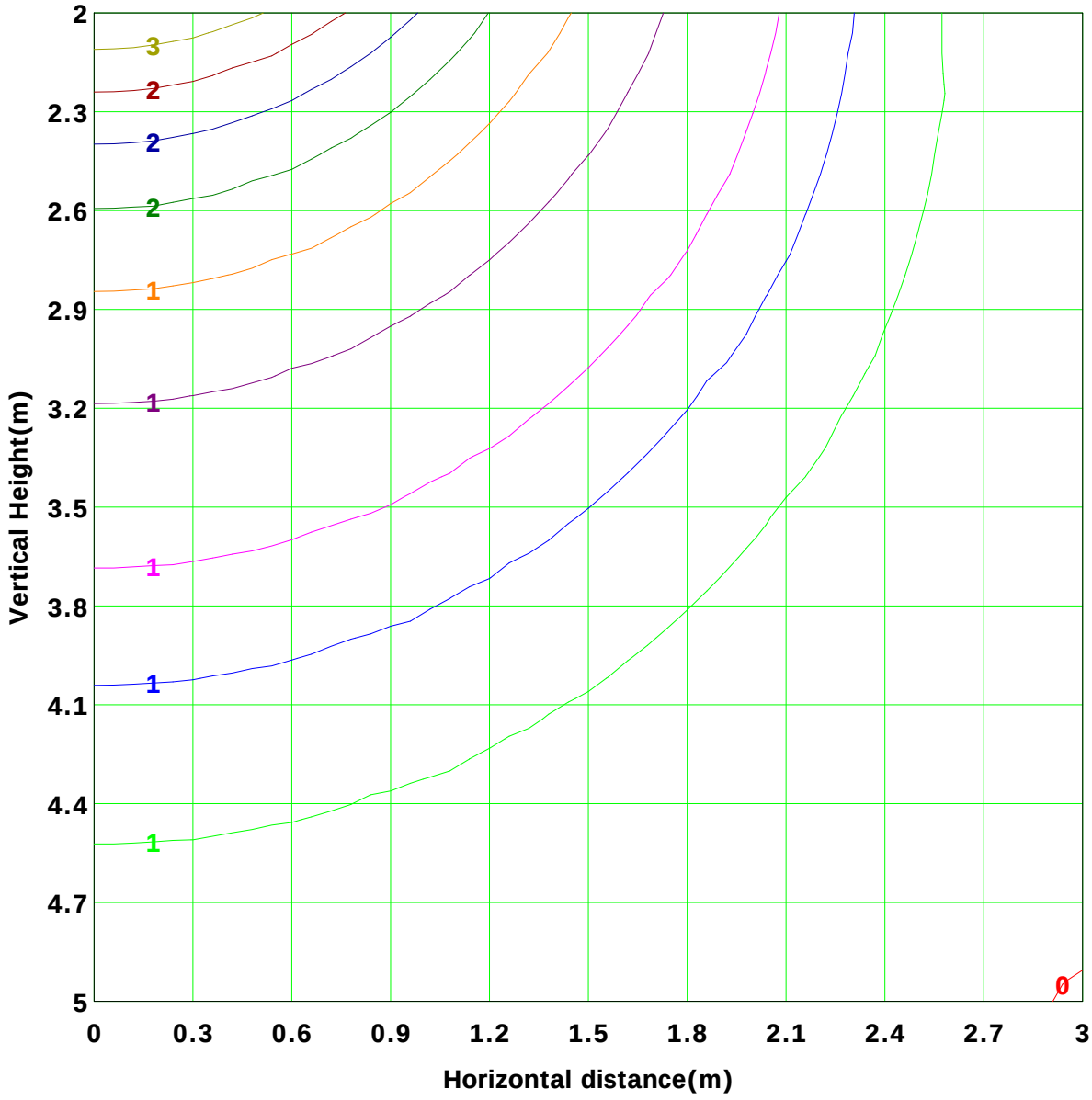
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	11.56	2.79/2.72	6.1	2.05
2.0	2.89	5.58/5.44	24.4	0.51
3.0	1.28	8.37/8.16	54.9	0.23
4.0	0.72	11.16/10.88	97.6	0.13
5.0	0.46	13.95/13.60	152.6	0.08
6.0	0.32	16.74/16.33	219.7	0.06
7.0	0.24	19.53/19.05	299.0	0.04
8.0	0.18	22.32/21.77	390.6	0.03
9.0	0.14	25.11/24.49	494.3	0.03
10.0	0.12	27.90/27.21	610.3	0.02

Beam Angle(B): H108.7 V107.4 Field Angle(F): H157.7 V155.1

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: 2.9 lx**
(10%): 0.3 lx		**(20%): 0.6 lx**	
(25%): 0.7 lx		**(30%): 0.9 lx**	
(40%): 1.2 lx		**(50%): 1.4 lx**	
(60%): 1.7 lx		**(70%): 2.0 lx**	
(80%): 2.3 lx		**(90%): 2.6 lx**	

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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:

Area Flux Table

Unit: lm

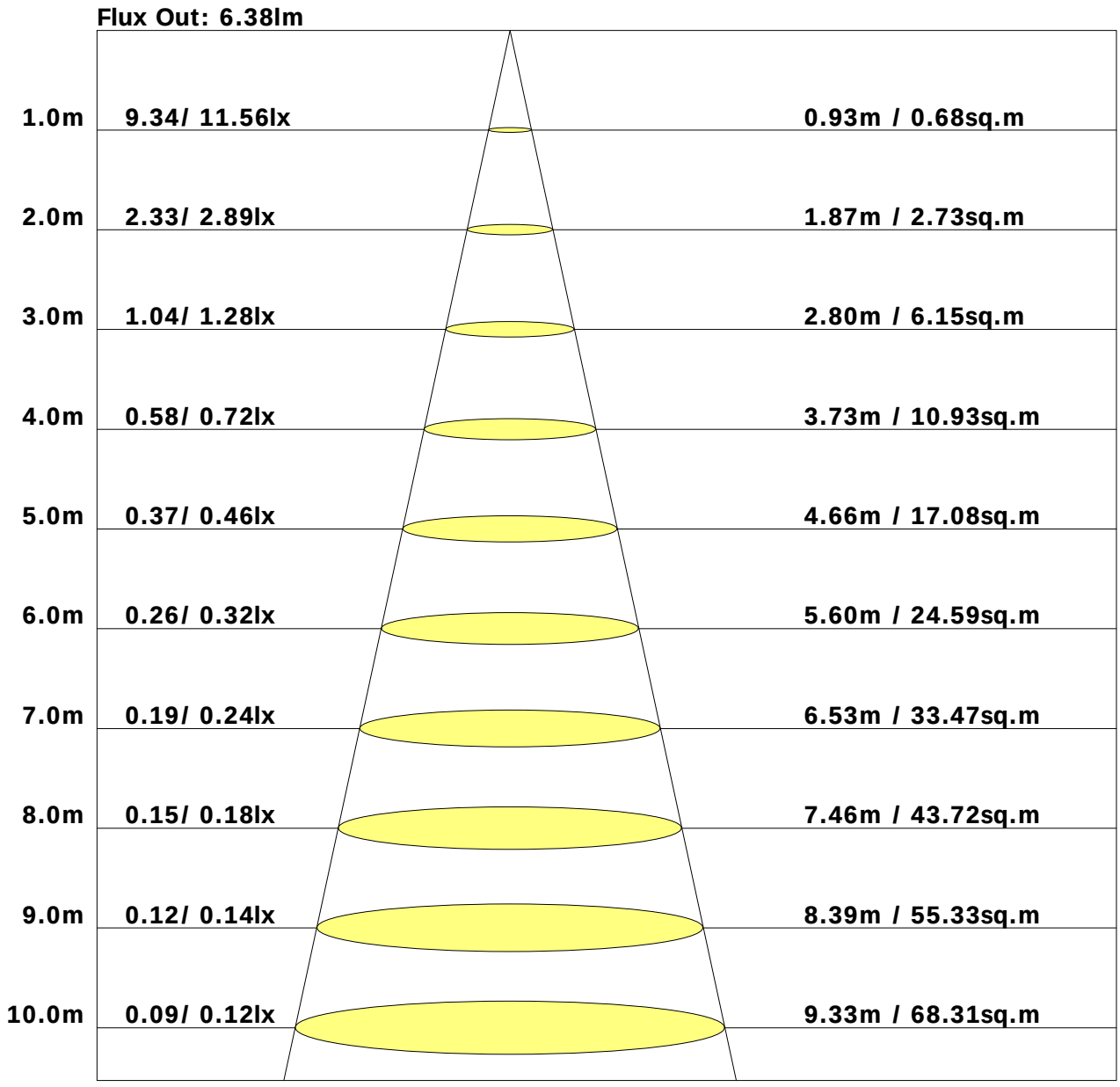
Vertical plane (rows) / Horizontal plane (columns)

	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90 Flux(T)	Flux(E)
-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	0.1	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	0.5	0.5
-70	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0
-60	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6	1.6
-50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.0	2.0
-40	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.4	2.4
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	2.7	2.7
-20	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	2.9	2.9
-10	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	3.0	3.0
0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	3.0	3.0
10	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	2.8	2.8
20	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.6	2.6
30	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.2	2.2
40	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	1.8	1.7
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3	1.2
60	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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	0.3	0.1
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
90 Flux(T)	0.0	0.1	0.5	1.0	1.6	2.3	2.9	3.4	3.6	3.6	3.4	2.9	2.3	1.7	1.0	0.5	0.1	0.0	31	
Flux(E)	0.0	0.1	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	0.1	0.0		30

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	25.7	27.3	26.1	27.7	28.0	22.4	24.0	22.8	24.3	24.7
3H	27.4	28.8	27.8	29.2	29.6	23.2	24.7	23.6	25.0	25.4
4H	28.0	29.3	28.4	29.7	30.1	23.4	24.7	23.8	25.1	25.5
6H	28.3	29.5	28.7	29.9	30.3	23.4	24.6	23.9	25.0	25.5
8H	28.3	29.5	28.8	29.9	30.3	23.4	24.6	23.8	25.0	25.4
12H	28.3	29.4	28.8	29.9	30.3	23.4	24.5	23.8	24.9	25.4
X=4H Y=2H	26.0	27.3	26.4	27.7	28.1	23.0	24.3	23.4	24.7	25.1
3H	27.8	28.9	28.2	29.3	29.7	23.9	25.0	24.4	25.5	25.9
4H	28.4	29.4	28.8	29.8	30.3	24.1	25.1	24.6	25.6	26.0
6H	28.7	29.6	29.2	30.1	30.6	24.2	25.1	24.7	25.5	26.0
8H	28.8	29.6	29.3	30.1	30.6	24.2	25.0	24.6	25.4	26.0
12H	28.8	29.5	29.3	30.0	30.6	24.1	24.9	24.6	25.4	25.9
X=8H Y=4H	28.4	29.2	28.9	29.7	30.2	24.3	25.1	24.8	25.6	26.1
6H	28.8	29.4	29.3	30.0	30.5	24.3	25.0	24.9	25.5	26.0
8H	28.9	29.5	29.4	30.0	30.5	24.3	24.9	24.9	25.5	26.0
12H	28.9	29.4	29.4	29.9	30.5	24.3	24.8	24.8	25.4	26.0
X=12H Y=4H	28.4	29.1	28.9	29.6	30.1	24.3	25.0	24.8	25.5	26.0
6H	28.8	29.4	29.3	29.9	30.4	24.3	24.9	24.9	25.4	26.0
8H	28.8	29.4	29.4	29.9	30.5	24.3	24.9	24.9	25.4	26.0

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	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.03
	0.30		0.50	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.81	0.86	0.89	0.92	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.61	0.66	0.73	0.79	0.82	0.87	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.78	0.83	0.86

Rating:2W 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	0.98	0.80	0.68	0.59	0.47	0.39	0.33	0.25	0.21
	0.30		0.81	0.69	0.59	0.52	0.42	0.36	0.31	0.24	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.65	0.56	0.45	0.40	0.31	0.24	0.20
	0.30		0.79	0.67	0.57	0.50	0.41	0.34	0.29	0.23	0.19
	0.20		0.69	0.59	0.51	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.91	0.74	0.62	0.54	0.42	0.35	0.30	0.23	0.19
	0.30		0.78	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18
	0.20		0.68	0.58	0.50	0.45	0.36	0.31	0.26	0.21	0.17
0.00	0.00	0.00	0.57	0.48	0.41	0.36	0.29	0.24	0.20	0.16	0.13

Rating:2W 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	0.11	0.13	0.14	0.16	0.17	0.19
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	0.11	0.13	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	0.18	0.19	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	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:2W 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	11.5	0.0	0.0	0.03	0.03
1.0-2.0	11.5	0.0	0.0	0.10	0.14
2.0-3.0	11.5	0.1	0.1	0.17	0.31
3.0-4.0	11.5	0.1	0.2	0.24	0.56
4.0-5.0	11.5	0.1	0.3	0.31	0.87
5.0-6.0	11.5	0.1	0.4	0.38	1.25
6.0-7.0	11.4	0.1	0.5	0.45	1.71
7.0-8.0	11.4	0.2	0.7	0.52	2.22
8.0-9.0	11.4	0.2	0.9	0.58	2.81
9.0-10.0	11.3	0.2	1.1	0.65	3.46
10.0-11.0	11.3	0.2	1.3	0.71	4.17
11.0-12.0	11.2	0.2	1.6	0.78	4.95
12.0-13.0	11.2	0.3	1.8	0.84	5.79
13.0-14.0	11.1	0.3	2.1	0.90	6.69
14.0-15.0	11.0	0.3	2.4	0.96	7.66
15.0-16.0	11.0	0.3	2.7	1.02	8.68
16.0-17.0	10.9	0.3	3.1	1.08	9.76
17.0-18.0	10.8	0.4	3.4	1.13	10.89
18.0-19.0	10.8	0.4	3.8	1.19	12.08
19.0-20.0	10.7	0.4	4.2	1.24	13.32
20.0-21.0	10.6	0.4	4.6	1.29	14.61
21.0-22.0	10.5	0.4	5.0	1.34	15.95
22.0-23.0	10.4	0.4	5.5	1.38	17.33
23.0-24.0	10.3	0.5	5.9	1.43	18.76
24.0-25.0	10.2	0.5	6.4	1.47	20.24
25.0-26.0	10.1	0.5	6.9	1.51	21.75
26.0-27.0	10.0	0.5	7.3	1.55	23.30
27.0-28.0	9.9	0.5	7.8	1.59	24.88
28.0-29.0	9.8	0.5	8.4	1.62	26.50
29.0-30.0	9.6	0.5	8.9	1.65	28.15
30.0-31.0	9.5	0.5	9.4	1.68	29.83
31.0-32.0	9.4	0.5	9.9	1.70	31.53
32.0-33.0	9.2	0.5	10.5	1.73	33.26
33.0-34.0	9.1	0.6	11.0	1.75	35.01
34.0-35.0	9.0	0.6	11.6	1.77	36.78
35.0-36.0	8.8	0.6	12.2	1.79	38.57

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	8.7	0.6	12.7	1.80	40.37
37.0-38.0	8.6	0.6	13.3	1.82	42.19
38.0-39.0	8.4	0.6	13.9	1.82	44.01
39.0-40.0	8.3	0.6	14.4	1.83	45.84
40.0-41.0	8.1	0.6	15.0	1.83	47.67
41.0-42.0	8.0	0.6	15.6	1.83	49.51
42.0-43.0	7.8	0.6	16.2	1.83	51.34
43.0-44.0	7.6	0.6	16.8	1.83	53.17
44.0-45.0	7.5	0.6	17.3	1.82	54.99
45.0-46.0	7.3	0.6	17.9	1.81	56.81
46.0-47.0	7.1	0.6	18.5	1.80	58.61
47.0-48.0	7.0	0.6	19.0	1.79	60.40
48.0-49.0	6.8	0.6	19.6	1.77	62.17
49.0-50.0	6.6	0.6	20.1	1.75	63.92
50.0-51.0	6.4	0.5	20.7	1.73	65.65
51.0-52.0	6.3	0.5	21.2	1.70	67.35
52.0-53.0	6.1	0.5	21.8	1.68	69.03
53.0-54.0	5.9	0.5	22.3	1.65	70.68
54.0-55.0	5.7	0.5	22.8	1.62	72.30
55.0-56.0	5.5	0.5	23.3	1.58	73.88
56.0-57.0	5.3	0.5	23.8	1.55	75.43
57.0-58.0	5.1	0.5	24.2	1.51	76.94
58.0-59.0	4.9	0.5	24.7	1.47	78.40
59.0-60.0	4.8	0.4	25.2	1.42	79.83
60.0-61.0	4.6	0.4	25.6	1.38	81.21
61.0-62.0	4.4	0.4	26.0	1.33	82.54
62.0-63.0	4.2	0.4	26.4	1.28	83.82
63.0-64.0	4.0	0.4	26.8	1.23	85.05
64.0-65.0	3.8	0.4	27.2	1.18	86.23
65.0-66.0	3.6	0.4	27.5	1.13	87.36
66.0-67.0	3.4	0.3	27.9	1.07	88.43
67.0-68.0	3.2	0.3	28.2	1.01	89.45
68.0-69.0	3.0	0.3	28.5	0.96	90.41
69.0-70.0	2.8	0.3	28.8	0.90	91.31
70.0-71.0	2.6	0.3	29.0	0.84	92.15
71.0-72.0	2.4	0.2	29.3	0.78	92.93

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	2.2	0.2	29.5	0.72	93.65
73.0-74.0	2.0	0.2	29.7	0.67	94.32
74.0-75.0	1.8	0.2	29.9	0.61	94.93
75.0-76.0	1.6	0.2	30.1	0.54	95.47
76.0-77.0	1.4	0.2	30.2	0.48	95.95
77.0-78.0	1.3	0.1	30.4	0.43	96.38
78.0-79.0	1.1	0.1	30.5	0.37	96.75
79.0-80.0	0.9	0.1	30.6	0.32	97.08
80.0-81.0	0.8	0.1	30.7	0.27	97.35
81.0-82.0	0.6	0.1	30.8	0.22	97.57
82.0-83.0	0.5	0.1	30.8	0.18	97.75
83.0-84.0	0.4	0.0	30.9	0.15	97.90
84.0-85.0	0.3	0.0	30.9	0.12	98.02
85.0-86.0	0.3	0.0	30.9	0.09	98.11
86.0-87.0	0.2	0.0	30.9	0.07	98.18
87.0-88.0	0.2	0.0	31.0	0.06	98.24
88.0-89.0	0.1	0.0	31.0	0.04	98.28
89.0-90.0	0.1	0.0	31.0	0.03	98.31
90.0-91.0	0.1	0.0	31.0	0.03	98.34
91.0-92.0	0.1	0.0	31.0	0.03	98.37
92.0-93.0	0.1	0.0	31.0	0.03	98.39
93.0-94.0	0.1	0.0	31.0	0.03	98.42
94.0-95.0	0.1	0.0	31.0	0.02	98.44
95.0-96.0	0.1	0.0	31.0	0.02	98.46
96.0-97.0	0.1	0.0	31.0	0.02	98.48
97.0-98.0	0.1	0.0	31.0	0.02	98.50
98.0-99.0	0.1	0.0	31.1	0.02	98.52
99.0-100.0	0.1	0.0	31.1	0.02	98.54
100.0-101.0	0.1	0.0	31.1	0.02	98.56
101.0-102.0	0.0	0.0	31.1	0.02	98.57
102.0-103.0	0.1	0.0	31.1	0.02	98.59
103.0-104.0	0.1	0.0	31.1	0.02	98.61
104.0-105.0	0.1	0.0	31.1	0.02	98.63
105.0-106.0	0.1	0.0	31.1	0.02	98.65
106.0-107.0	0.1	0.0	31.1	0.02	98.67
107.0-108.0	0.1	0.0	31.1	0.02	98.69

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 3)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	31.1	0.02	98.71
109.0-110.0	0.1	0.0	31.1	0.02	98.73
110.0-111.0	0.1	0.0	31.1	0.02	98.75
111.0-112.0	0.1	0.0	31.1	0.02	98.77
112.0-113.0	0.1	0.0	31.1	0.02	98.79
113.0-114.0	0.1	0.0	31.1	0.02	98.81
114.0-115.0	0.1	0.0	31.2	0.02	98.84
115.0-116.0	0.1	0.0	31.2	0.02	98.86
116.0-117.0	0.1	0.0	31.2	0.02	98.88
117.0-118.0	0.1	0.0	31.2	0.02	98.90
118.0-119.0	0.1	0.0	31.2	0.02	98.92
119.0-120.0	0.1	0.0	31.2	0.02	98.95
120.0-121.0	0.1	0.0	31.2	0.03	98.97
121.0-122.0	0.1	0.0	31.2	0.02	99.00
122.0-123.0	0.1	0.0	31.2	0.02	99.02
123.0-124.0	0.1	0.0	31.2	0.02	99.04
124.0-125.0	0.1	0.0	31.2	0.02	99.07
125.0-126.0	0.1	0.0	31.2	0.03	99.10
126.0-127.0	0.1	0.0	31.2	0.03	99.12
127.0-128.0	0.1	0.0	31.2	0.03	99.15
128.0-129.0	0.1	0.0	31.3	0.03	99.18
129.0-130.0	0.1	0.0	31.3	0.03	99.20
130.0-131.0	0.1	0.0	31.3	0.02	99.23
131.0-132.0	0.1	0.0	31.3	0.02	99.25
132.0-133.0	0.1	0.0	31.3	0.02	99.27
133.0-134.0	0.1	0.0	31.3	0.03	99.30
134.0-135.0	0.1	0.0	31.3	0.02	99.32
135.0-136.0	0.1	0.0	31.3	0.02	99.35
136.0-137.0	0.1	0.0	31.3	0.03	99.38
137.0-138.0	0.1	0.0	31.3	0.02	99.40
138.0-139.0	0.1	0.0	31.3	0.02	99.42
139.0-140.0	0.1	0.0	31.3	0.02	99.45
140.0-141.0	0.1	0.0	31.4	0.03	99.47
141.0-142.0	0.1	0.0	31.4	0.03	99.50
142.0-143.0	0.1	0.0	31.4	0.03	99.52
143.0-144.0	0.1	0.0	31.4	0.02	99.55

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.1	0.0	31.4	0.02	99.57
145.0-146.0	0.1	0.0	31.4	0.02	99.59
146.0-147.0	0.1	0.0	31.4	0.02	99.61
147.0-148.0	0.1	0.0	31.4	0.02	99.63
148.0-149.0	0.1	0.0	31.4	0.02	99.66
149.0-150.0	0.1	0.0	31.4	0.02	99.68
150.0-151.0	0.1	0.0	31.4	0.02	99.70
151.0-152.0	0.1	0.0	31.4	0.02	99.72
152.0-153.0	0.1	0.0	31.4	0.02	99.74
153.0-154.0	0.1	0.0	31.4	0.02	99.75
154.0-155.0	0.1	0.0	31.4	0.02	99.77
155.0-156.0	0.1	0.0	31.5	0.02	99.79
156.0-157.0	0.1	0.0	31.5	0.02	99.80
157.0-158.0	0.1	0.0	31.5	0.02	99.82
158.0-159.0	0.1	0.0	31.5	0.01	99.83
159.0-160.0	0.1	0.0	31.5	0.01	99.85
160.0-161.0	0.1	0.0	31.5	0.01	99.86
161.0-162.0	0.1	0.0	31.5	0.01	99.88
162.0-163.0	0.1	0.0	31.5	0.01	99.89
163.0-164.0	0.1	0.0	31.5	0.01	99.90
164.0-165.0	0.1	0.0	31.5	0.01	99.91
165.0-166.0	0.1	0.0	31.5	0.01	99.92
166.0-167.0	0.1	0.0	31.5	0.01	99.93
167.0-168.0	0.1	0.0	31.5	0.01	99.94
168.0-169.0	0.1	0.0	31.5	0.01	99.95
169.0-170.0	0.1	0.0	31.5	0.01	99.96
170.0-171.0	0.1	0.0	31.5	0.01	99.97
171.0-172.0	0.1	0.0	31.5	0.01	99.97
172.0-173.0	0.1	0.0	31.5	0.01	99.98
173.0-174.0	0.1	0.0	31.5	0.01	99.99
174.0-175.0	0.1	0.0	31.5	0.00	99.99
175.0-176.0	0.1	0.0	31.5	0.00	99.99
176.0-177.0	0.1	0.0	31.5	0.00	100.00
177.0-178.0	0.1	0.0	31.5	0.00	100.00
178.0-179.0	0.1	0.0	31.5	0.00	100.00
179.0-180.0	0.1	0.0	31.5	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: