ACOLYTE
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Report No.: **Test Time: 2020/12/28 14:17**

Luminaire Property

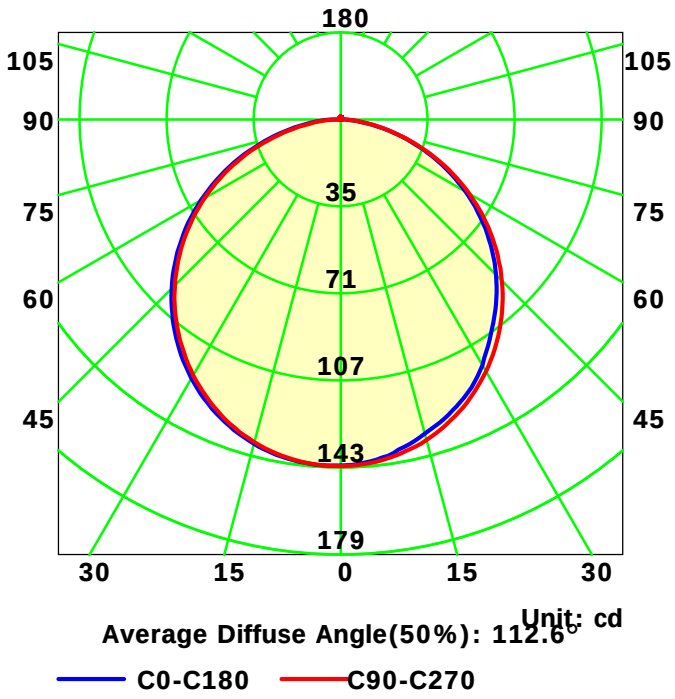
Luminaire Manufacturer:
Luminaire Category: Apex
Luminaire Description: NEON+RB0SCS2205.0G-10N
Lamp Catalog: 10N-G **Lamp Description: 2835 GREEN**
Number of Lamps: 224 **Luminous Length (mm): 500**
Luminous Width (mm): 16 **Luminous Height (mm): 15**
Voltage: 24.0 V **Current: 0.401 A**
Power: 9.62 W **Power Factor: 1.000**

Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 414.8 lm**
Measurement Flux: 414.8 lm **Efficiency: 100%**
Downward Ratio: 98% **Upward Ratio: 2%**
Horizontal Diffuse Angle(10%,50%): H162.2,H112.4
Vertical Diffuse Angle(10%,50%): V161.5,V112.7
Luminaire Efficacy Rating (LER): 43 **Central Intensity: 142.89 cd**
Max. Intensity: 143.14 cd **Pos of Max. Intensity: H150 V1**

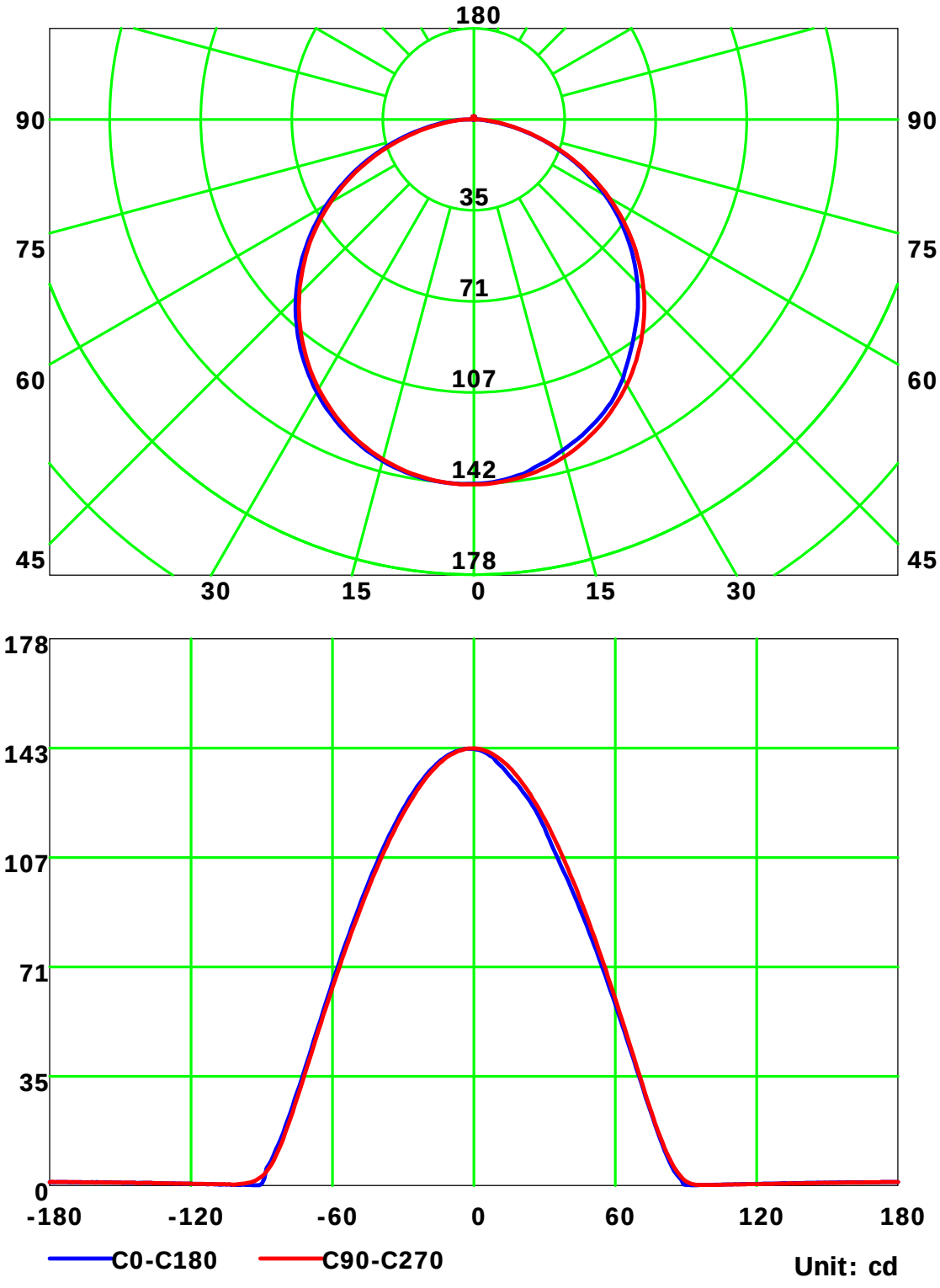
Picture Of Luminaire

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:**

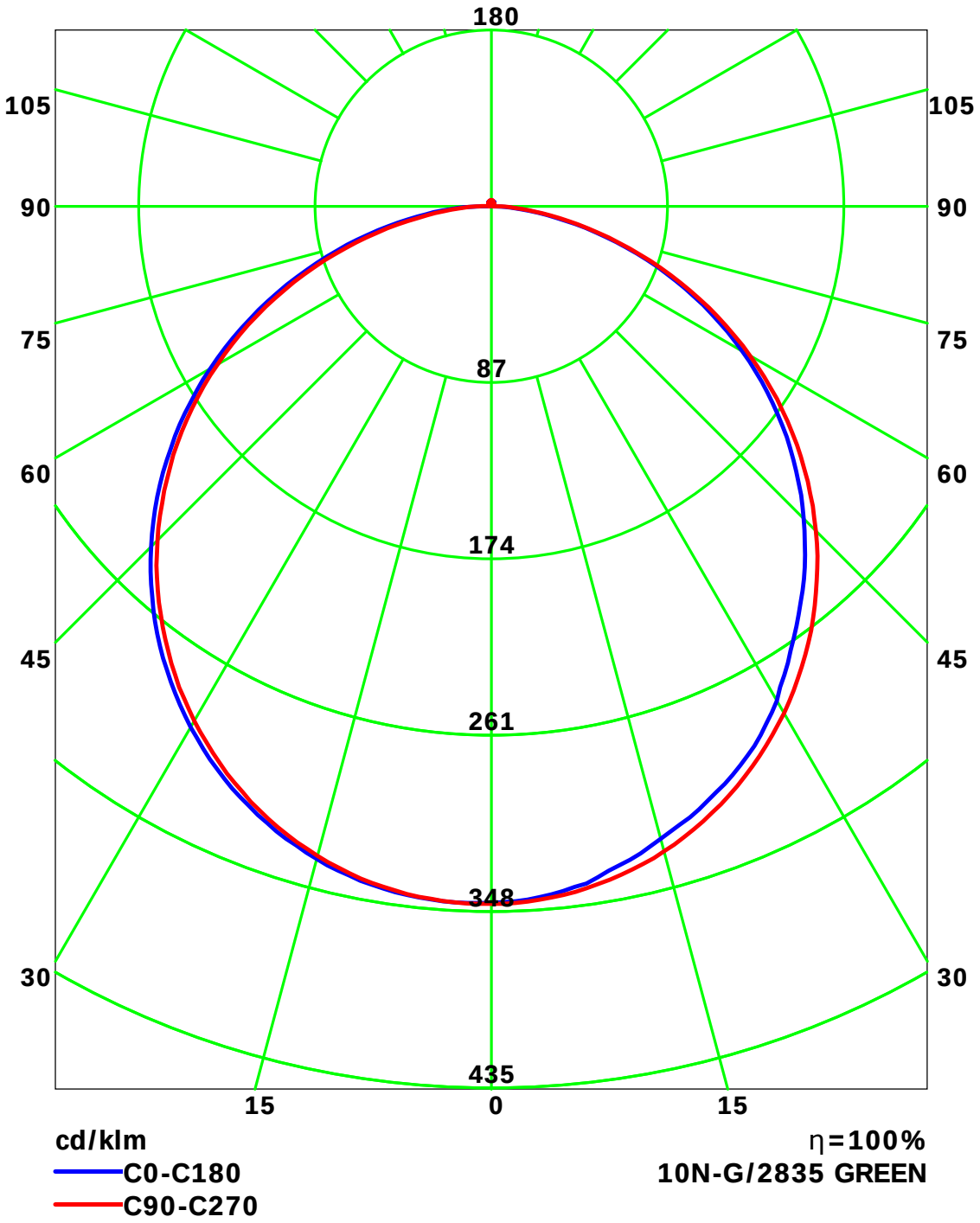
Luminous Intensity Distribution Curve



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

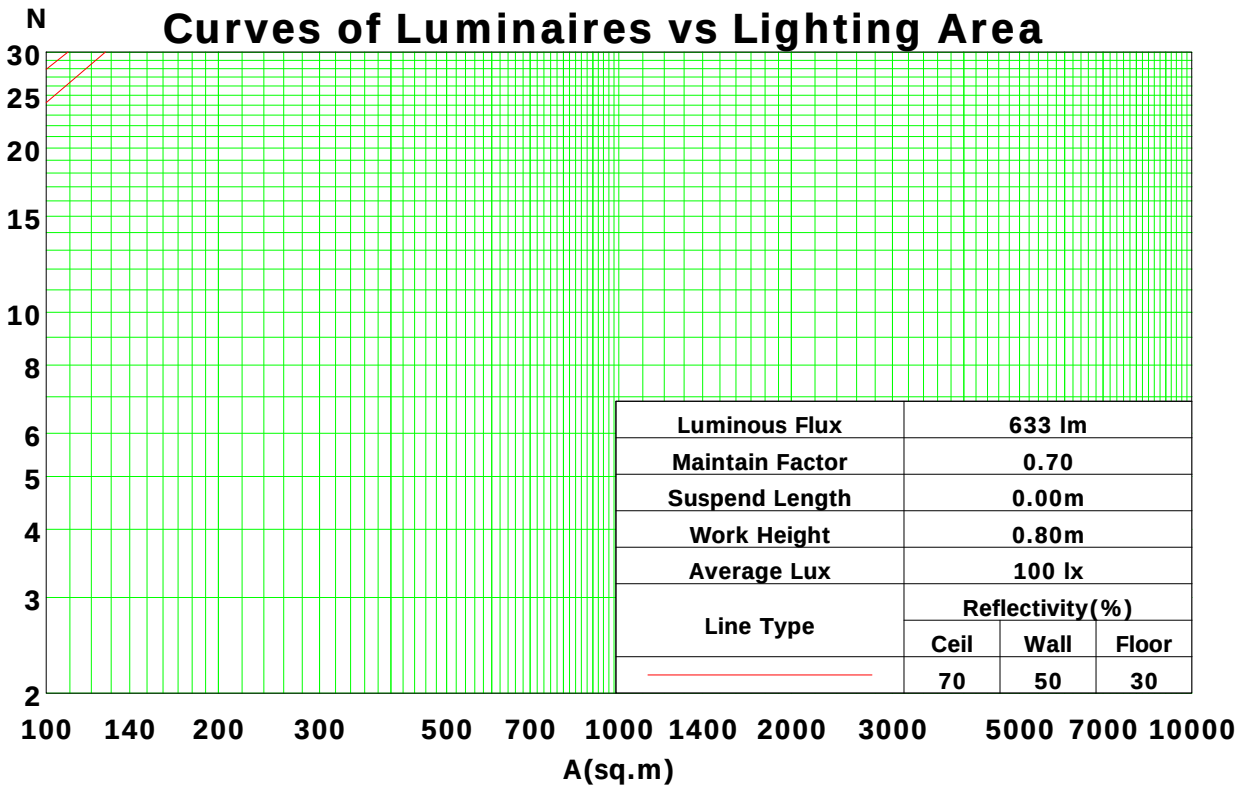
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	108	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	77	74	71	68
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	68	64	60	57
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	47	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	70	56	47	41	68	55	47	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	35	31	29
9	56	43	34	29	55	42	34	29	41	33	28	39	33	28	38	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.26
Spacing Criteria (Diagonal): 1.37

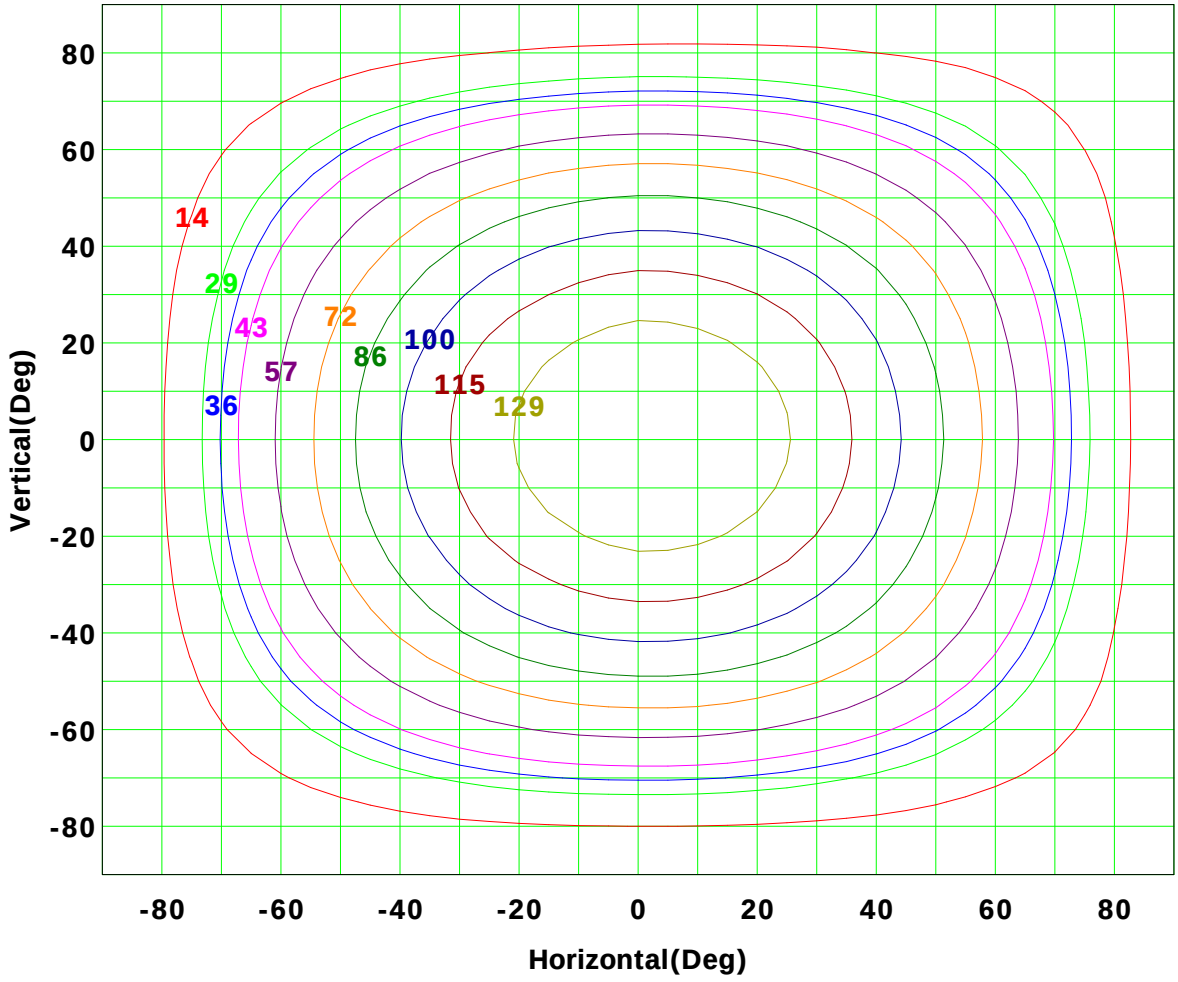
Curves of Luminaires vs Lighting Area



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)



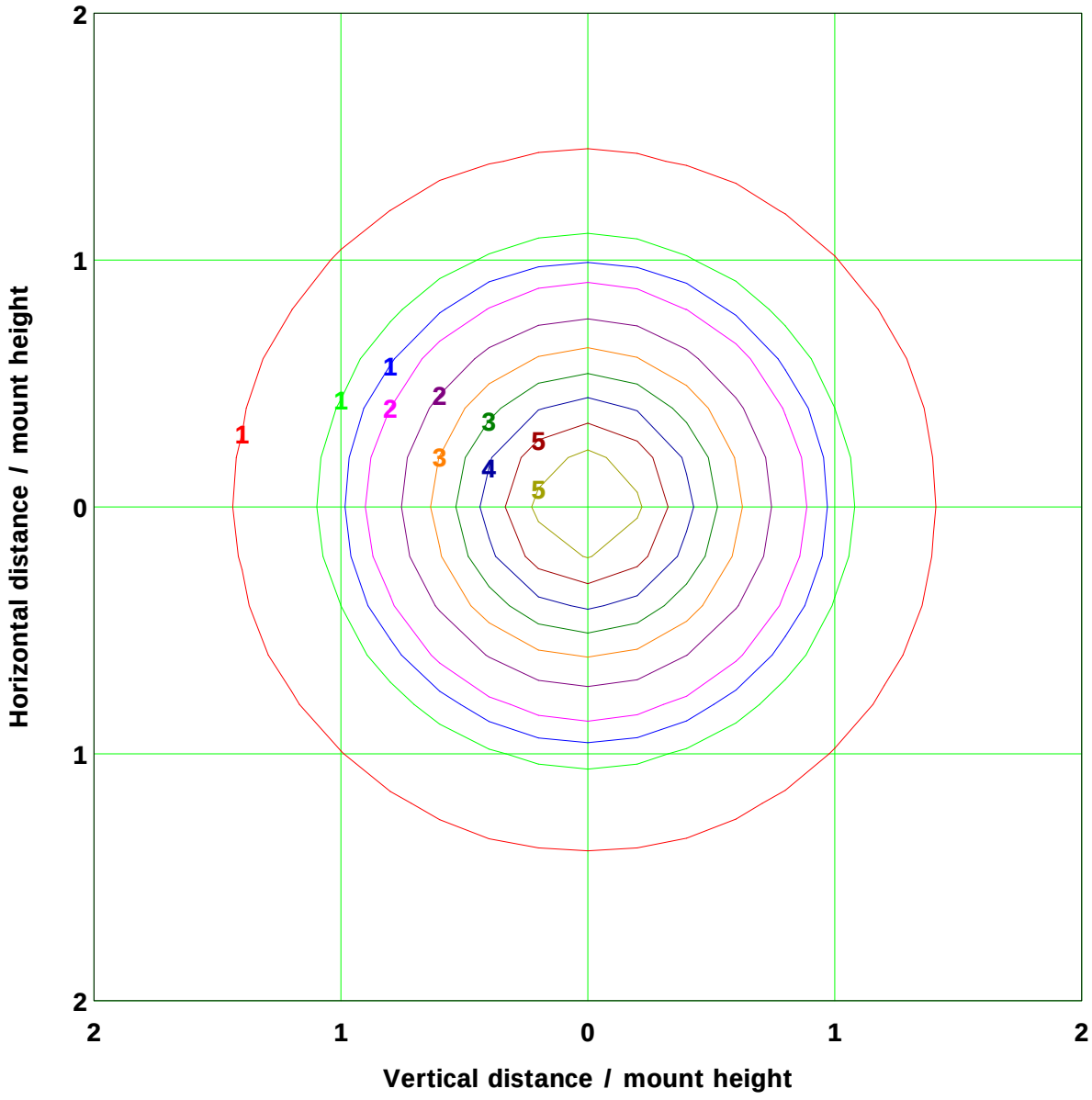
Imax (100%): 143 cd

(10%):	14 cd	(20%):	29 cd
(25%):	36 cd	(30%):	43 cd
(40%):	57 cd	(50%):	72 cd
(60%):	86 cd	(70%):	100 cd
(80%):	115 cd	(90%):	129 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%): 5.7 lx

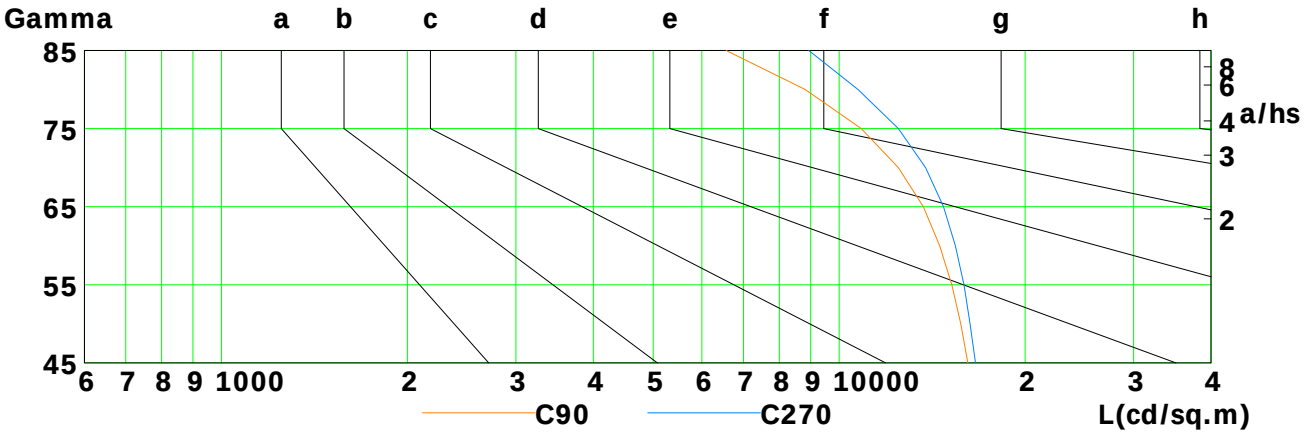
(10%): 0.6 lx	(20%): 1.1 lx
(25%): 1.4 lx	(30%): 1.7 lx
(40%): 2.3 lx	(50%): 2.9 lx
(60%): 3.4 lx	(70%): 4.0 lx
(80%): 4.6 lx	(90%): 5.2 lx

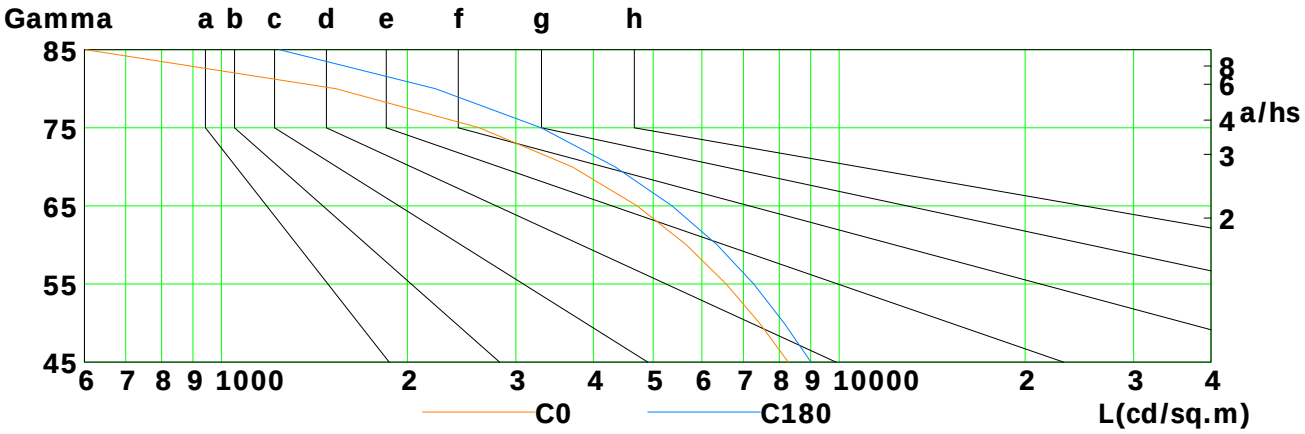
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



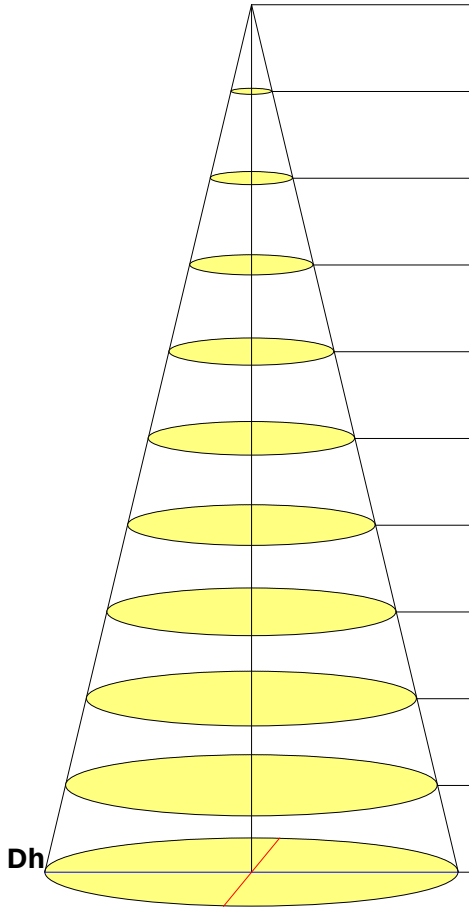


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8272	7433	6563	5661	4710	3697	2617	1534	604
C90	16155	15736	15222	14547	13695	12479	10863	8822	6568
C180	9009	8151	7277	6353	5365	4341	3295	2222	1241
C270	16632	16306	15939	15421	14756	13813	12483	10741	8928

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



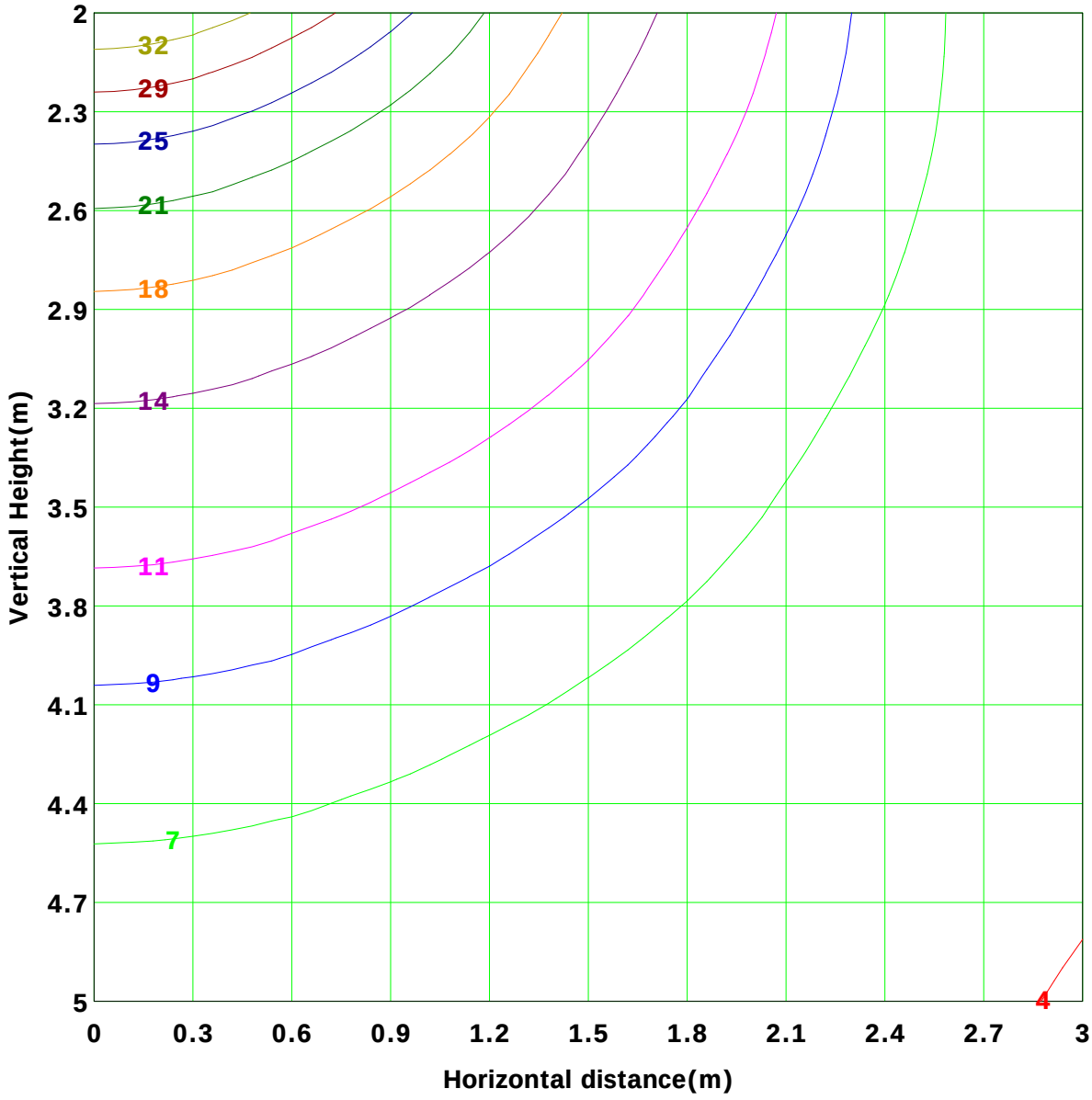
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	142.89	2.99/3.01	7.1	23.40
2.0	35.72	5.98/6.01	28.2	5.85
3.0	15.88	8.97/9.02	63.5	2.60
4.0	8.93	11.96/12.03	112.9	1.46
5.0	5.72	14.95/15.03	176.5	0.94
6.0	3.97	17.94/18.04	254.1	0.65
7.0	2.92	20.93/21.05	345.9	0.48
8.0	2.23	23.92/24.05	451.8	0.37
9.0	1.76	26.90/27.06	571.8	0.29
10.0	1.43	29.89/30.07	705.9	0.23

Beam Angle(B): H112.4 V112.7 Field Angle(F): H162.2 V161.5

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: 35.7 lx

(10%): 3.6 lx	(20%): 7.1 lx
(25%): 8.9 lx	(30%): 10.7 lx
(40%): 14.3 lx	(50%): 17.9 lx
(60%): 21.4 lx	(70%): 25.0 lx
(80%): 28.6 lx	(90%): 32.2 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:

Area Flux Table

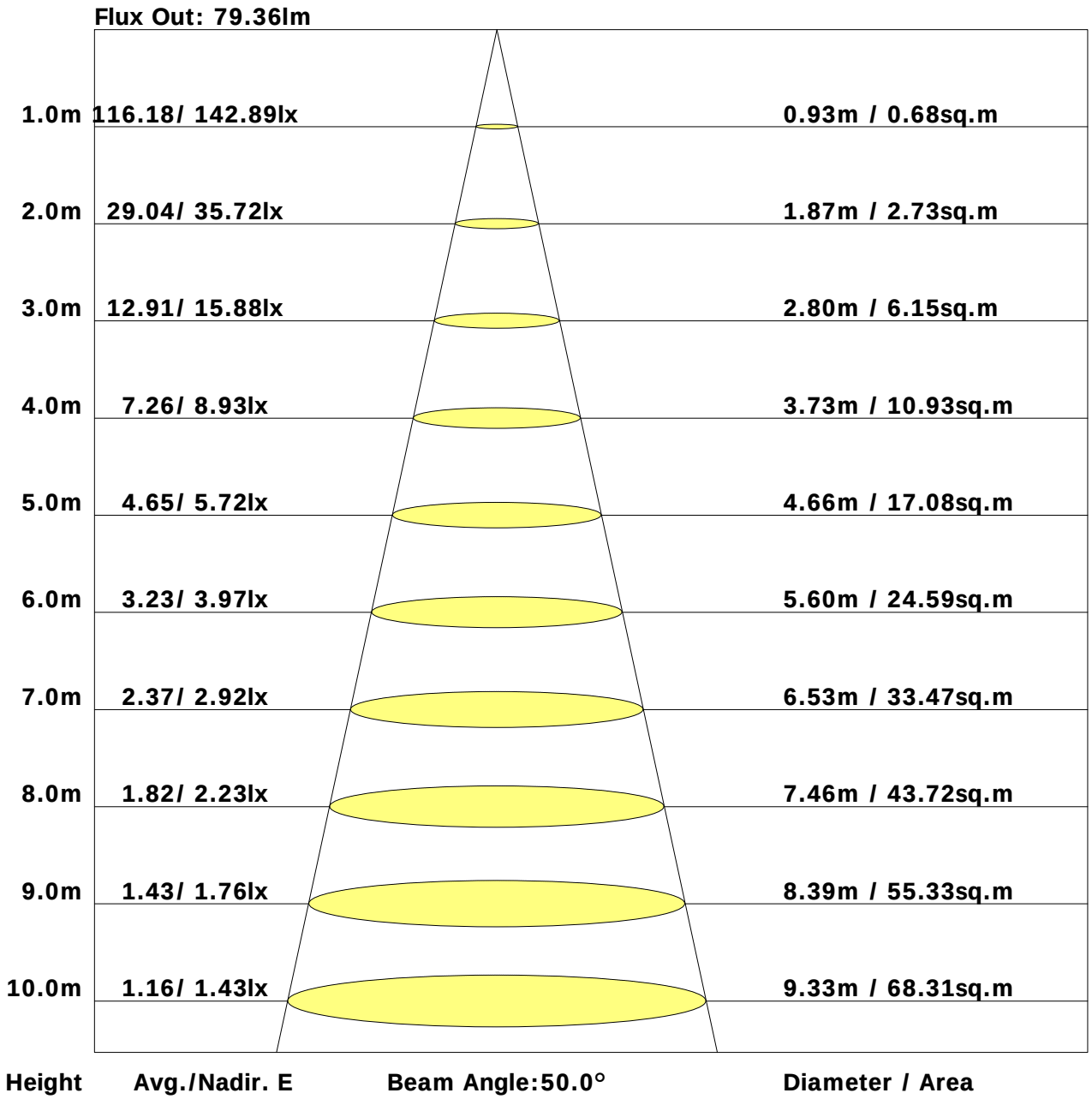
Unit: lm

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)
Horizontal plane																					
-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		
-80	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0		
-70	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0		
-60	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.3	1.4	1.4	1.3	1.2	1.1	0.9	0.7	0.4	0.2	0.0		
-50	0.0	0.1	0.4	0.7	1.1	1.4	1.7	1.9	2.0	2.1	2.1	2.0	1.9	1.7	1.4	1.1	0.7	0.4	0.1		
-40	0.0	0.2	0.6	1.1	1.5	2.0	2.3	2.6	2.8	2.9	2.9	2.8	2.6	2.3	2.0	1.5	1.1	0.6	0.2		
-30	0.0	0.2	0.6	1.2	1.9	2.4	2.9	3.2	3.4	3.5	3.5	3.4	3.2	2.9	2.4	1.9	1.3	0.7	0.2		
-20	0.0	0.2	0.7	1.3	2.0	2.8	3.4	3.9	4.2	4.3	4.3	4.1	3.9	3.6	3.2	2.5	1.6	0.8	0.3		
-10	0.0	0.3	0.7	1.4	2.1	2.9	3.5	4.0	4.3	4.3	4.3	4.1	3.8	3.4	2.9	2.3	1.5	0.8	0.3		
0	0.0	0.2	0.7	1.4	2.1	2.9	3.5	4.0	4.3	4.3	4.3	4.1	3.8	3.4	2.9	2.3	1.5	0.8	0.3		
10	0.0	0.2	0.7	1.4	2.1	2.9	3.5	4.0	4.3	4.3	4.3	4.1	3.8	3.4	2.9	2.3	1.5	0.8	0.3		
20	0.0	0.2	0.7	1.4	2.1	2.9	3.5	4.0	4.3	4.3	4.3	4.1	3.8	3.4	2.9	2.3	1.5	0.8	0.3		
30	0.0	0.2	0.6	1.3	2.0	2.8	3.4	3.9	4.2	4.3	4.3	4.1	3.8	3.4	2.9	2.3	1.5	0.8	0.3		
40	0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.6	3.9	4.0	4.0	3.9	3.6	3.2	2.8	2.2	1.5	0.8	0.3		
50	0.0	0.2	0.6	1.1	1.7	2.3	2.9	3.2	3.5	3.5	3.5	3.4	3.2	2.9	2.4	1.9	1.3	0.7	0.2		
60	0.0	0.2	0.5	0.9	1.4	2.0	2.6	2.8	3.0	3.1	3.1	3.0	2.8	2.5	2.1	1.6	1.1	0.6	0.2		
70	0.0	0.1	0.4	0.7	1.1	1.5	1.9	2.2	2.3	2.4	2.4	2.3	2.2	1.9	1.6	1.2	0.8	0.4	0.1		
80	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.5	1.6	1.6	1.6	1.5	1.4	1.2	1.0	0.8	0.5	0.3	0.1		
90	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1		
Flux(T)	2.6	7.5	13.8	19.9	25.4	30.1	33.7	36.3	37.6	37.5	36.1	33.4	29.6	24.8	19.1	12.8	6.6	1.9	0.0		
Flux(E)	0.3	6.8	13.5	19.8	25.3	30.0	33.7	36.3	37.5	37.4	36.0	33.3	29.5	24.7	19.0	12.6	5.6				

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	23.0	24.6	23.4	25.0	25.3	21.6	23.2	22.0	23.5	23.9
3H	24.7	26.2	25.1	26.5	26.9	22.9	24.3	23.3	24.7	25.1
4H	25.3	26.7	25.7	27.1	27.5	23.3	24.6	23.7	25.0	25.4
6H	25.7	27.0	26.1	27.4	27.8	23.5	24.7	23.9	25.1	25.6
8H	25.8	27.0	26.3	27.4	27.9	23.5	24.7	23.9	25.1	25.6
12H	25.8	27.0	26.3	27.4	27.9	23.5	24.7	24.0	25.1	25.5
X=4H Y=2H	23.4	24.7	23.8	25.1	25.5	22.2	23.6	22.6	24.0	24.4
3H	25.2	26.4	25.7	26.8	27.2	23.7	24.8	24.1	25.3	25.7
4H	25.9	26.9	26.4	27.4	27.9	24.2	25.2	24.6	25.6	26.1
6H	26.4	27.3	26.8	27.7	28.2	24.4	25.3	24.9	25.8	26.3
8H	26.5	27.3	27.0	27.8	28.3	24.5	25.3	25.0	25.8	26.3
12H	26.6	27.3	27.1	27.8	28.3	24.5	25.3	25.0	25.8	26.3
X=8H Y=4H	26.0	26.9	26.5	27.3	27.8	24.4	25.3	24.9	25.7	26.2
6H	26.5	27.2	27.0	27.7	28.2	24.7	25.4	25.3	26.0	26.5
8H	26.7	27.3	27.2	27.8	28.3	24.8	25.5	25.4	26.0	26.5
12H	26.8	27.3	27.3	27.8	28.4	24.9	25.4	25.4	25.9	26.5
X=12H Y=4H	26.0	26.8	26.5	27.3	27.8	24.4	25.2	24.9	25.7	26.2
6H	26.5	27.2	27.1	27.6	28.2	24.8	25.4	25.3	25.9	26.5
8H	26.7	27.2	27.2	27.8	28.4	24.9	25.4	25.4	26.0	26.6

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	0.66	0.74	0.79	0.86	0.91	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.95	0.99
	0.20		0.42	0.53	0.60	0.66	0.75	0.81	0.85	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.95	0.98
	0.30		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.92
0.30	0.50	0.20	0.53	0.62	0.69	0.73	0.80	0.84	0.87	0.91	0.94
	0.30		0.46	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92
	0.20		0.41	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.89
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.76	0.81	0.84

Rating:10W 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	0.83	0.71	0.62	0.49	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.62	0.54	0.44	0.37	0.32	0.26	0.21
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.96	0.79	0.68	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.19
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14

Rating:10W 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	0.21	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	0.12	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	0.16	0.18
0.30	0.50	0.20	0.17	0.18	0.19	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	0.07	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:10W 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	143.0	0.1	0.1	0.03	0.03
1.0-2.0	142.9	0.4	0.5	0.10	0.13
2.0-3.0	142.9	0.7	1.2	0.16	0.30
3.0-4.0	142.7	1.0	2.2	0.23	0.53
4.0-5.0	142.5	1.2	3.4	0.30	0.82
5.0-6.0	142.2	1.5	4.9	0.36	1.18
6.0-7.0	141.9	1.8	6.7	0.42	1.61
7.0-8.0	141.5	2.0	8.7	0.49	2.10
8.0-9.0	141.1	2.3	11.0	0.55	2.65
9.0-10.0	140.5	2.5	13.5	0.61	3.26
10.0-11.0	140.0	2.8	16.3	0.67	3.93
11.0-12.0	139.3	3.0	19.4	0.73	4.67
12.0-13.0	138.7	3.3	22.7	0.79	5.46
13.0-14.0	138.0	3.5	26.2	0.85	6.31
14.0-15.0	137.3	3.8	30.0	0.91	7.22
15.0-16.0	136.5	4.0	34.0	0.96	8.19
16.0-17.0	135.6	4.2	38.2	1.02	9.21
17.0-18.0	134.8	4.4	42.6	1.07	10.28
18.0-19.0	133.9	4.7	47.3	1.12	11.40
19.0-20.0	132.9	4.9	52.2	1.17	12.57
20.0-21.0	131.9	5.1	57.2	1.22	13.79
21.0-22.0	130.9	5.3	62.5	1.27	15.06
22.0-23.0	129.8	5.4	67.9	1.31	16.38
23.0-24.0	128.7	5.6	73.6	1.36	17.73
24.0-25.0	127.6	5.8	79.4	1.40	19.13
25.0-26.0	126.4	6.0	85.3	1.44	20.57
26.0-27.0	125.2	6.1	91.5	1.48	22.05
27.0-28.0	123.8	6.3	97.7	1.51	23.56
28.0-29.0	122.5	6.4	104.1	1.55	25.10
29.0-30.0	121.1	6.5	110.7	1.58	26.68
30.0-31.0	119.7	6.7	117.3	1.61	28.28
31.0-32.0	118.2	6.8	124.1	1.63	29.92
32.0-33.0	116.6	6.9	131.0	1.66	31.57
33.0-34.0	115.1	7.0	137.9	1.68	33.25
34.0-35.0	113.4	7.0	145.0	1.70	34.95
35.0-36.0	111.8	7.1	152.1	1.72	36.67

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	110.2	7.2	159.3	1.73	38.40
37.0-38.0	108.5	7.2	166.5	1.75	40.14
38.0-39.0	106.7	7.3	173.8	1.76	41.90
39.0-40.0	105.0	7.3	181.1	1.77	43.67
40.0-41.0	103.2	7.4	188.5	1.77	45.44
41.0-42.0	101.4	7.4	195.9	1.78	47.22
42.0-43.0	99.6	7.4	203.3	1.78	48.99
43.0-44.0	97.8	7.4	210.6	1.78	50.77
44.0-45.0	95.9	7.4	218.0	1.78	52.55
45.0-46.0	93.9	7.3	225.3	1.77	54.32
46.0-47.0	92.0	7.3	232.7	1.76	56.08
47.0-48.0	90.0	7.3	239.9	1.75	57.84
48.0-49.0	88.0	7.2	247.2	1.74	59.58
49.0-50.0	86.0	7.2	254.3	1.73	61.31
50.0-51.0	83.9	7.1	261.4	1.71	63.02
51.0-52.0	81.8	7.0	268.5	1.69	64.71
52.0-53.0	79.7	6.9	275.4	1.67	66.38
53.0-54.0	77.5	6.8	282.2	1.65	68.03
54.0-55.0	75.4	6.7	289.0	1.62	69.65
55.0-56.0	73.2	6.6	295.6	1.59	71.25
56.0-57.0	71.0	6.5	302.1	1.56	72.81
57.0-58.0	68.7	6.4	308.4	1.53	74.34
58.0-59.0	66.4	6.2	314.6	1.50	75.84
59.0-60.0	64.1	6.1	320.7	1.46	77.30
60.0-61.0	61.8	5.9	326.6	1.42	78.72
61.0-62.0	59.5	5.7	332.3	1.38	80.10
62.0-63.0	57.1	5.6	337.9	1.34	81.44
63.0-64.0	54.7	5.4	343.2	1.29	82.74
64.0-65.0	52.3	5.2	348.4	1.25	83.99
65.0-66.0	50.0	5.0	353.4	1.20	85.19
66.0-67.0	47.5	4.8	358.2	1.15	86.34
67.0-68.0	45.1	4.6	362.7	1.10	87.44
68.0-69.0	42.7	4.4	367.1	1.05	88.49
69.0-70.0	40.2	4.1	371.2	1.00	89.49
70.0-71.0	37.8	3.9	375.1	0.94	90.43
71.0-72.0	35.4	3.7	378.8	0.89	91.32

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	33.0	3.4	382.3	0.83	92.15
73.0-74.0	30.6	3.2	385.5	0.77	92.92
74.0-75.0	28.2	3.0	388.5	0.72	93.64
75.0-76.0	25.9	2.7	391.2	0.66	94.30
76.0-77.0	23.6	2.5	393.7	0.61	94.91
77.0-78.0	21.3	2.3	396.0	0.55	95.46
78.0-79.0	19.2	2.1	398.1	0.50	95.96
79.0-80.0	17.0	1.8	399.9	0.44	96.40
80.0-81.0	15.0	1.6	401.5	0.39	96.79
81.0-82.0	13.1	1.4	402.9	0.34	97.13
82.0-83.0	11.2	1.2	404.2	0.29	97.43
83.0-84.0	9.6	1.0	405.2	0.25	97.68
84.0-85.0	8.0	0.9	406.1	0.21	97.89
85.0-86.0	6.6	0.7	406.8	0.18	98.06
86.0-87.0	5.4	0.6	407.4	0.14	98.21
87.0-88.0	4.4	0.5	407.9	0.12	98.32
88.0-89.0	3.4	0.4	408.3	0.09	98.42
89.0-90.0	2.6	0.3	408.6	0.07	98.48
90.0-91.0	2.1	0.2	408.8	0.06	98.54
91.0-92.0	1.8	0.2	409.0	0.05	98.59
92.0-93.0	1.6	0.2	409.2	0.04	98.63
93.0-94.0	1.4	0.2	409.3	0.04	98.67
94.0-95.0	1.3	0.1	409.4	0.03	98.70
95.0-96.0	1.2	0.1	409.6	0.03	98.73
96.0-97.0	1.2	0.1	409.7	0.03	98.76
97.0-98.0	1.1	0.1	409.8	0.03	98.79
98.0-99.0	1.1	0.1	410.0	0.03	98.82
99.0-100.0	1.1	0.1	410.1	0.03	98.85
100.0-101.0	1.1	0.1	410.2	0.03	98.88
101.0-102.0	1.0	0.1	410.3	0.03	98.90
102.0-103.0	1.0	0.1	410.4	0.03	98.93
103.0-104.0	1.0	0.1	410.5	0.03	98.96
104.0-105.0	1.0	0.1	410.6	0.03	98.98
105.0-106.0	0.9	0.1	410.7	0.02	99.01
106.0-107.0	0.9	0.1	410.8	0.02	99.03
107.0-108.0	0.9	0.1	410.9	0.02	99.05

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	0.9	0.1	411.0	0.02	99.07
109.0-110.0	0.8	0.1	411.1	0.02	99.09
110.0-111.0	0.8	0.1	411.2	0.02	99.11
111.0-112.0	0.8	0.1	411.2	0.02	99.13
112.0-113.0	0.8	0.1	411.3	0.02	99.15
113.0-114.0	0.8	0.1	411.4	0.02	99.17
114.0-115.0	0.8	0.1	411.5	0.02	99.19
115.0-116.0	0.8	0.1	411.6	0.02	99.21
116.0-117.0	0.8	0.1	411.6	0.02	99.23
117.0-118.0	0.8	0.1	411.7	0.02	99.25
118.0-119.0	0.8	0.1	411.8	0.02	99.26
119.0-120.0	0.8	0.1	411.9	0.02	99.28
120.0-121.0	0.8	0.1	411.9	0.02	99.30
121.0-122.0	0.8	0.1	412.0	0.02	99.32
122.0-123.0	0.8	0.1	412.1	0.02	99.33
123.0-124.0	0.8	0.1	412.1	0.02	99.35
124.0-125.0	0.8	0.1	412.2	0.02	99.37
125.0-126.0	0.8	0.1	412.3	0.02	99.38
126.0-127.0	0.8	0.1	412.4	0.02	99.40
127.0-128.0	0.8	0.1	412.4	0.02	99.42
128.0-129.0	0.8	0.1	412.5	0.02	99.44
129.0-130.0	0.8	0.1	412.6	0.02	99.45
130.0-131.0	0.8	0.1	412.6	0.02	99.47
131.0-132.0	0.8	0.1	412.7	0.02	99.49
132.0-133.0	0.9	0.1	412.8	0.02	99.50
133.0-134.0	0.9	0.1	412.8	0.02	99.52
134.0-135.0	0.9	0.1	412.9	0.02	99.54
135.0-136.0	0.9	0.1	413.0	0.02	99.55
136.0-137.0	0.9	0.1	413.1	0.02	99.57
137.0-138.0	0.9	0.1	413.1	0.02	99.59
138.0-139.0	0.9	0.1	413.2	0.02	99.60
139.0-140.0	0.9	0.1	413.3	0.02	99.62
140.0-141.0	0.9	0.1	413.3	0.02	99.63
141.0-142.0	1.0	0.1	413.4	0.02	99.65
142.0-143.0	1.0	0.1	413.5	0.02	99.66
143.0-144.0	1.0	0.1	413.5	0.02	99.68

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	1.0	0.1	413.6	0.02	99.70
145.0-146.0	1.0	0.1	413.6	0.02	99.71
146.0-147.0	1.0	0.1	413.7	0.01	99.73
147.0-148.0	1.0	0.1	413.8	0.01	99.74
148.0-149.0	1.0	0.1	413.8	0.01	99.75
149.0-150.0	1.0	0.1	413.9	0.01	99.77
150.0-151.0	1.1	0.1	413.9	0.01	99.78
151.0-152.0	1.1	0.1	414.0	0.01	99.80
152.0-153.0	1.1	0.1	414.0	0.01	99.81
153.0-154.0	1.1	0.1	414.1	0.01	99.82
154.0-155.0	1.1	0.1	414.2	0.01	99.83
155.0-156.0	1.1	0.1	414.2	0.01	99.85
156.0-157.0	1.1	0.0	414.3	0.01	99.86
157.0-158.0	1.1	0.0	414.3	0.01	99.87
158.0-159.0	1.1	0.0	414.3	0.01	99.88
159.0-160.0	1.1	0.0	414.4	0.01	99.89
160.0-161.0	1.1	0.0	414.4	0.01	99.90
161.0-162.0	1.2	0.0	414.5	0.01	99.91
162.0-163.0	1.2	0.0	414.5	0.01	99.92
163.0-164.0	1.2	0.0	414.5	0.01	99.93
164.0-165.0	1.2	0.0	414.6	0.01	99.94
165.0-166.0	1.2	0.0	414.6	0.01	99.94
166.0-167.0	1.2	0.0	414.6	0.01	99.95
167.0-168.0	1.2	0.0	414.7	0.01	99.96
168.0-169.0	1.2	0.0	414.7	0.01	99.97
169.0-170.0	1.2	0.0	414.7	0.01	99.97
170.0-171.0	1.2	0.0	414.7	0.01	99.98
171.0-172.0	1.2	0.0	414.8	0.00	99.98
172.0-173.0	1.2	0.0	414.8	0.00	99.99
173.0-174.0	1.2	0.0	414.8	0.00	99.99
174.0-175.0	1.2	0.0	414.8	0.00	99.99
175.0-176.0	1.3	0.0	414.8	0.00	100.00
176.0-177.0	1.3	0.0	414.8	0.00	100.00
177.0-178.0	1.3	0.0	414.8	0.00	100.00
178.0-179.0	1.3	0.0	414.8	0.00	100.00
179.0-180.0	1.3	0.0	414.8	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: