Report No.: **Test Time: 2020/12/28 15:10**

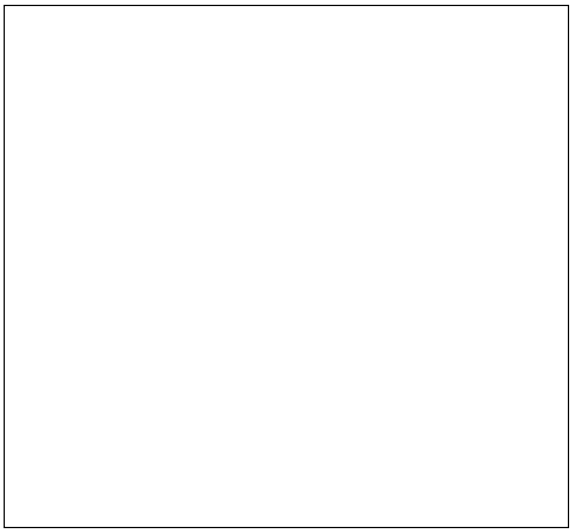
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: Apex
Luminaire Description: NEON+RB0VWS2205.0VW-10N-6100
Lamp Catalog: 10N-6100K **Lamp Description: 3527 2IN1**
Number of Lamps: 140 **Luminous Length (mm): 500**
Luminous Width (mm): 16 **Luminous Height (mm): 15**
Voltage: 24.0 V **Current: 0.177 A**
Power: 4.24 W **Power Factor: 1.000**

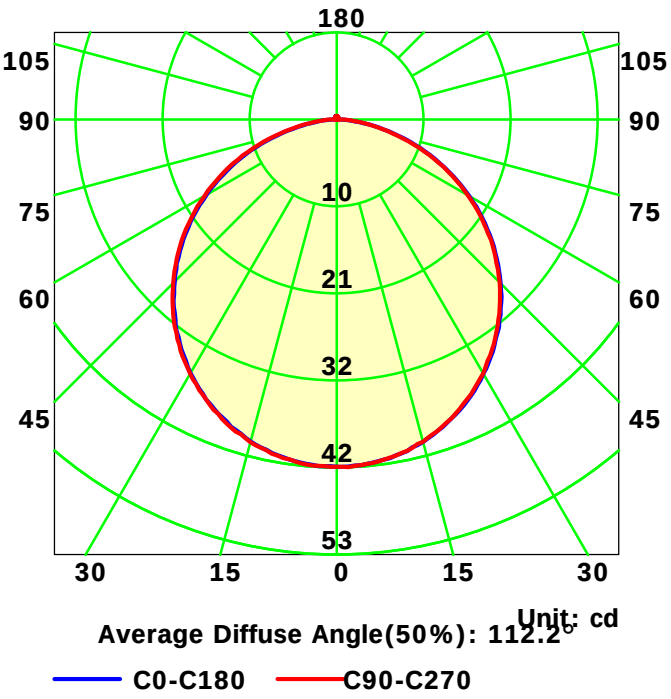
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 122.7 lm**
Measurement Flux: 122.7 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H160.4,H112.3
Vertical Diffuse Angle(10%,50%): V160.9,V112.2
Luminaire Efficacy Rating (LER): 29 **Central Intensity: 42.61 cd**
Max. Intensity: 42.73 cd **Pos of Max. Intensity: H120 V0**

Picture Of Luminaire

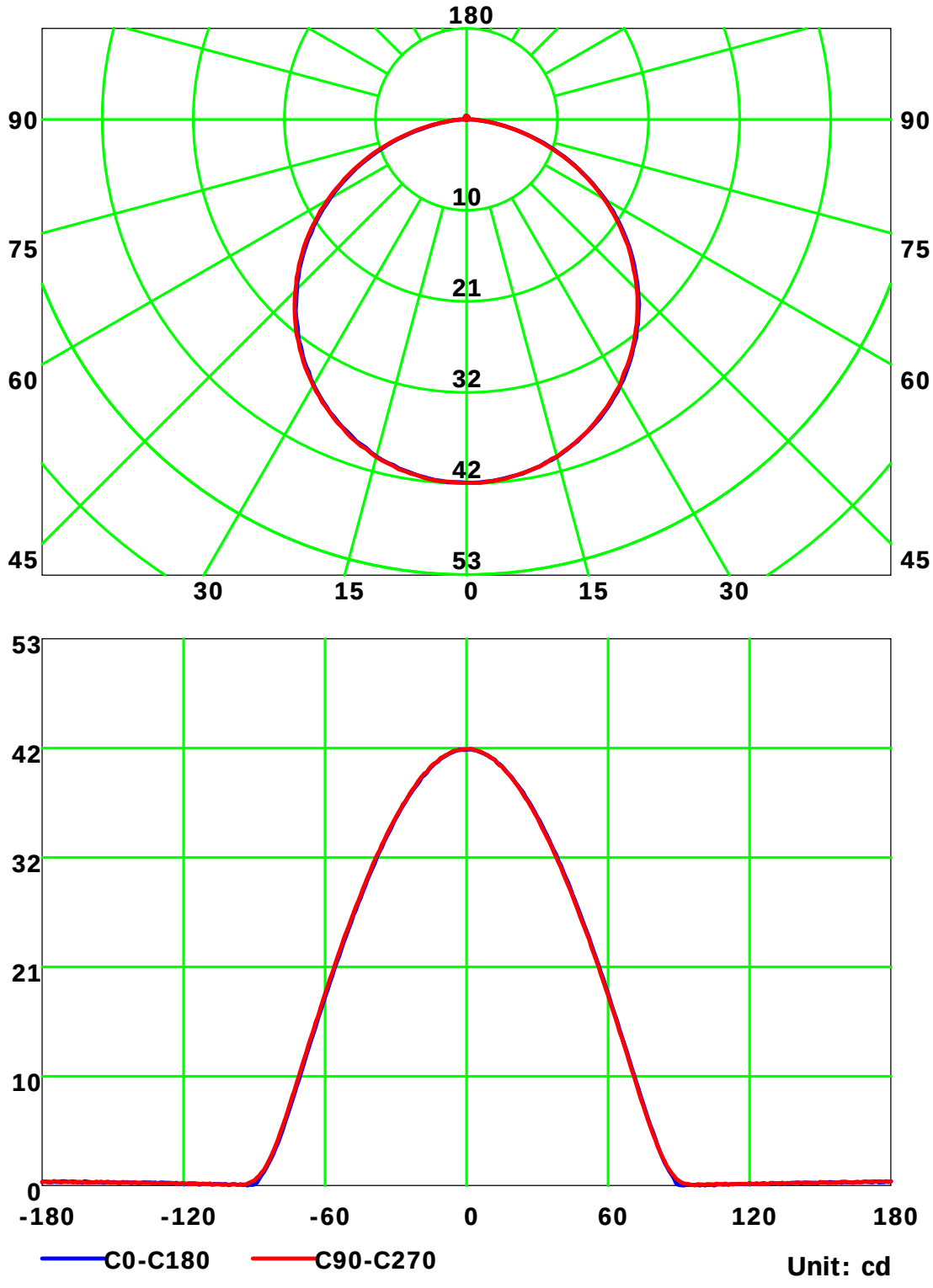


Luminous Intensity Distribution Curve



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:**

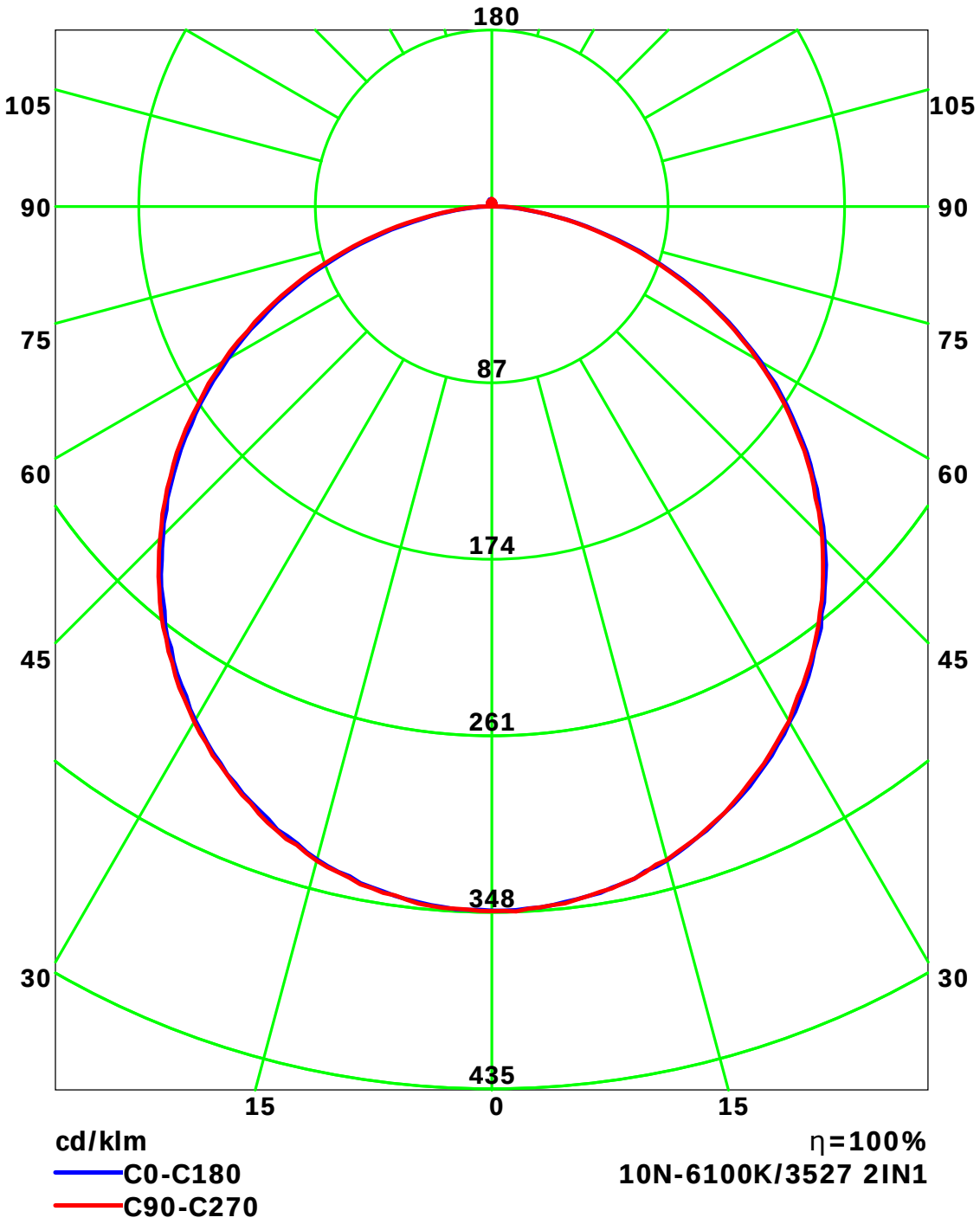
Luminous Intensity Distribution Curve



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

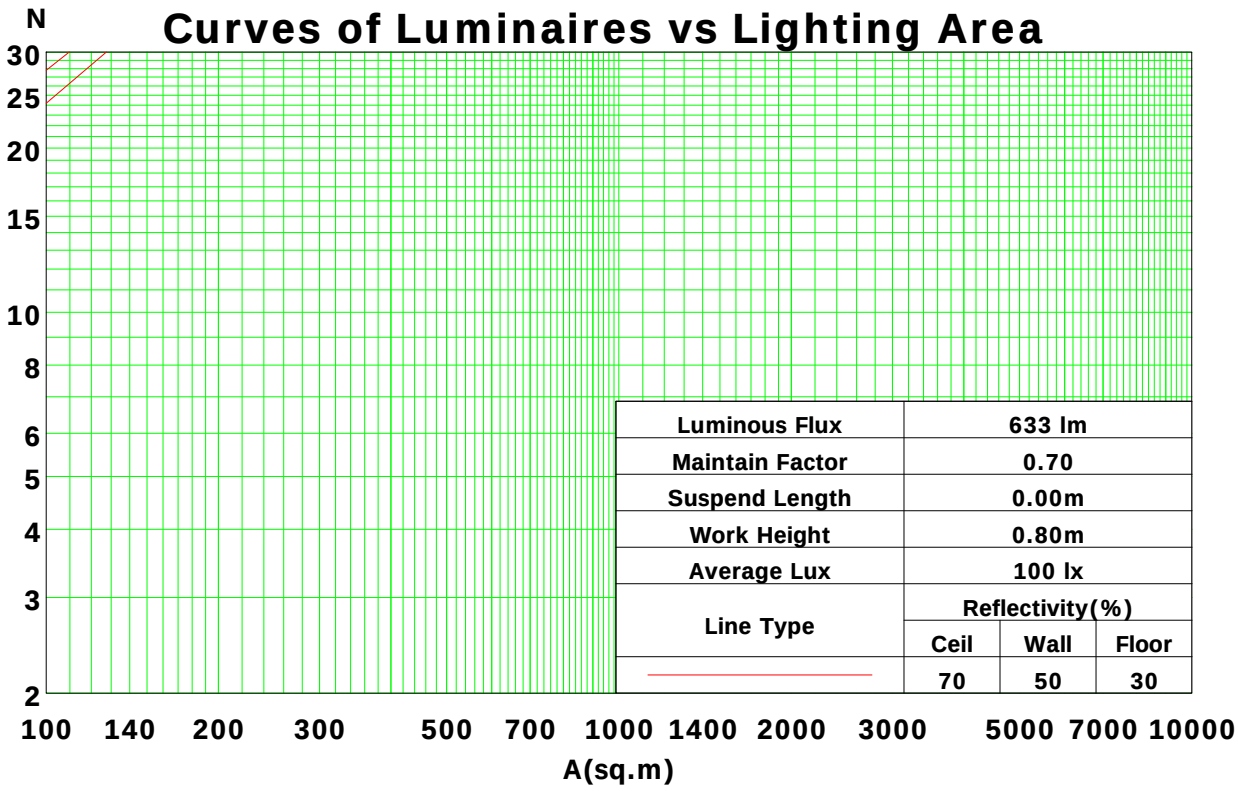
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	99
1	108	104	99	96	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	65	87	78	70	64	74	68	63	71	66	61	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	57	52	61	56	52	49
5	76	63	54	47	73	61	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	39	35	33
8	60	47	38	32	59	46	38	32	44	37	32	43	36	31	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	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

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

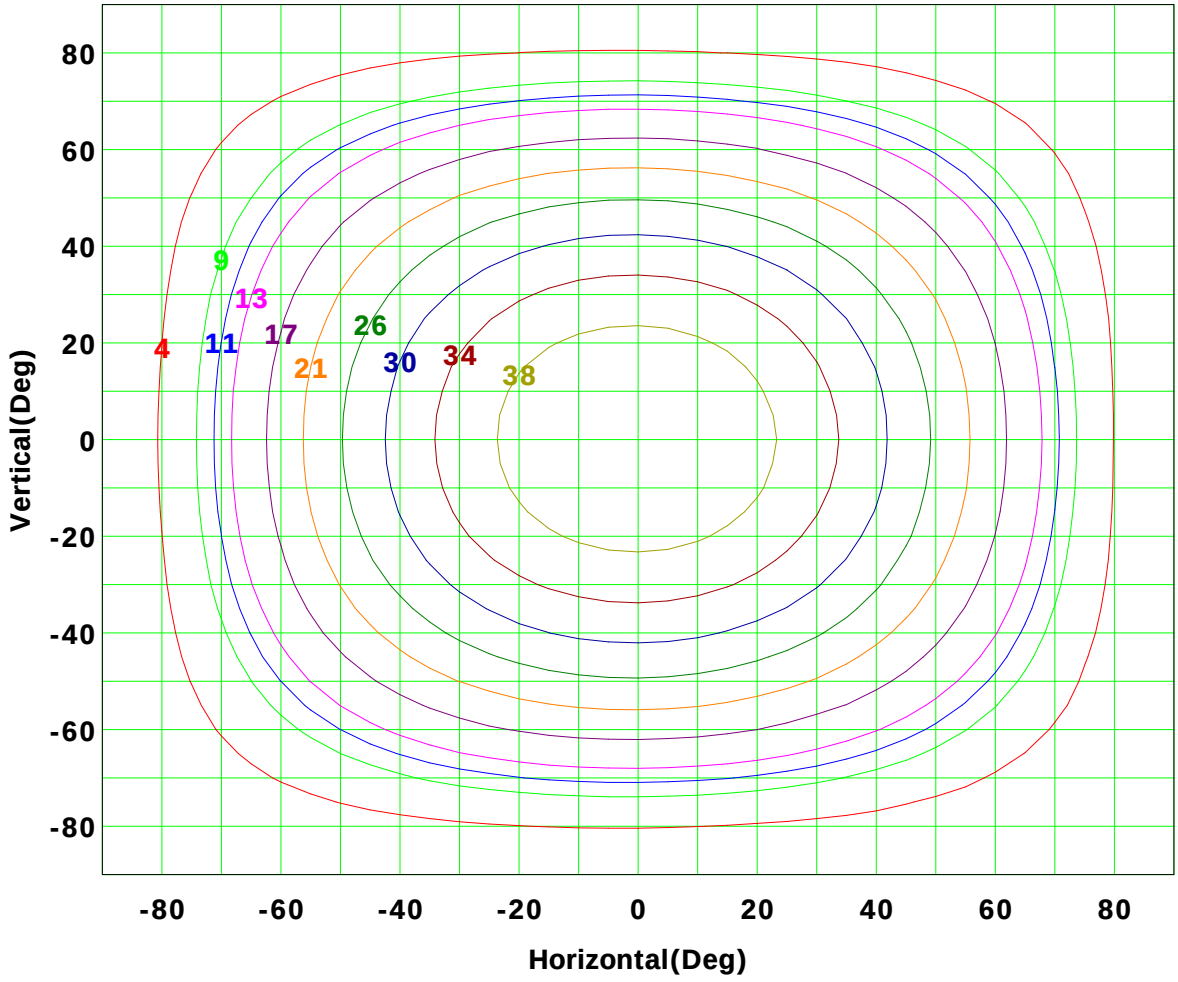
Curves of Luminaires vs Lighting Area



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)



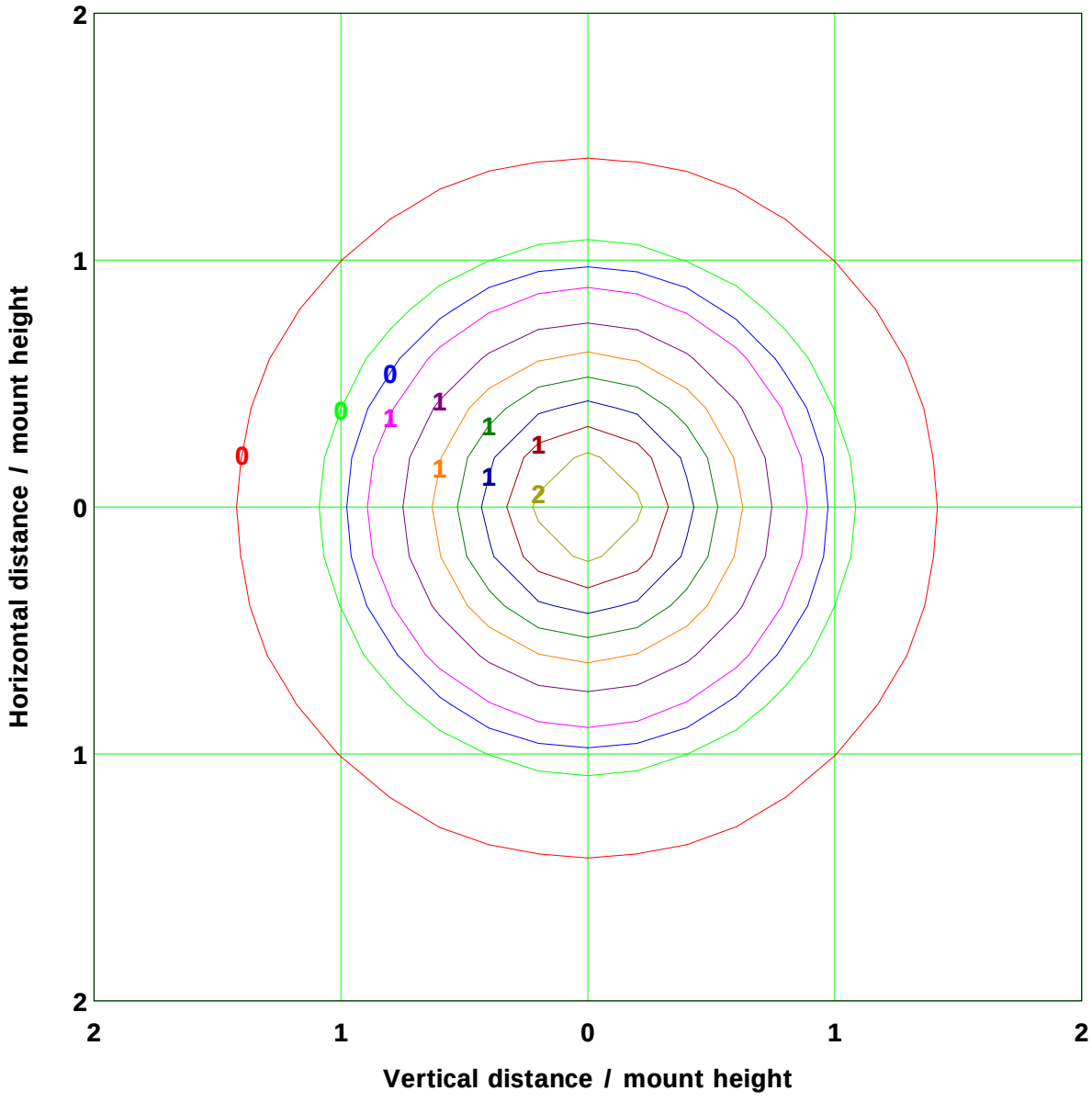
Imax (100%): 43 cd

(10%):	4 cd	(20%):	9 cd
(25%):	11 cd	(30%):	13 cd
(40%):	17 cd	(50%):	21 cd
(60%):	26 cd	(70%):	30 cd
(80%):	34 cd	(90%):	38 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%): 1.7 lx

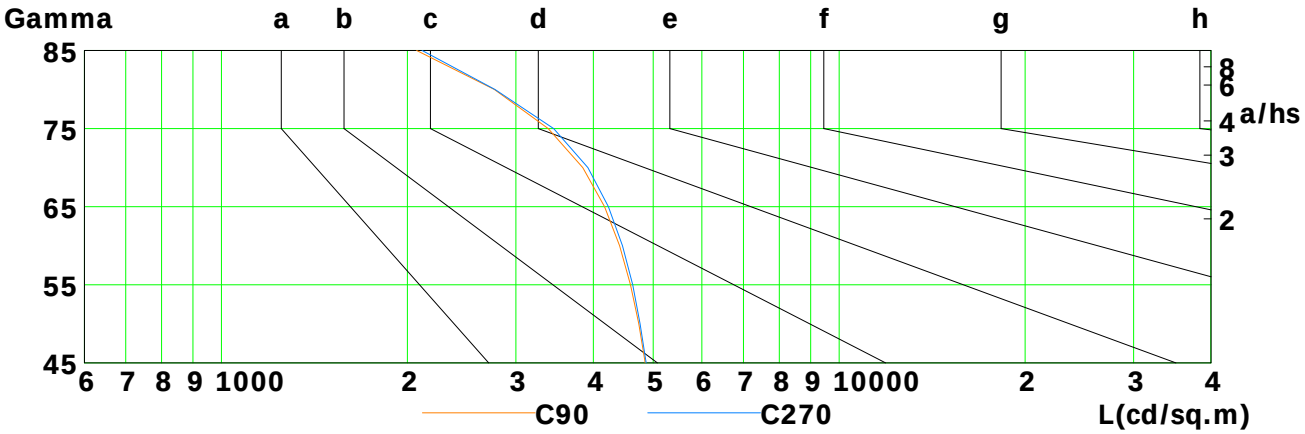
(10%): 0.2 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.5 lx
(40%): 0.7 lx	(50%): 0.9 lx
(60%): 1.0 lx	(70%): 1.2 lx
(80%): 1.4 lx	(90%): 1.5 lx

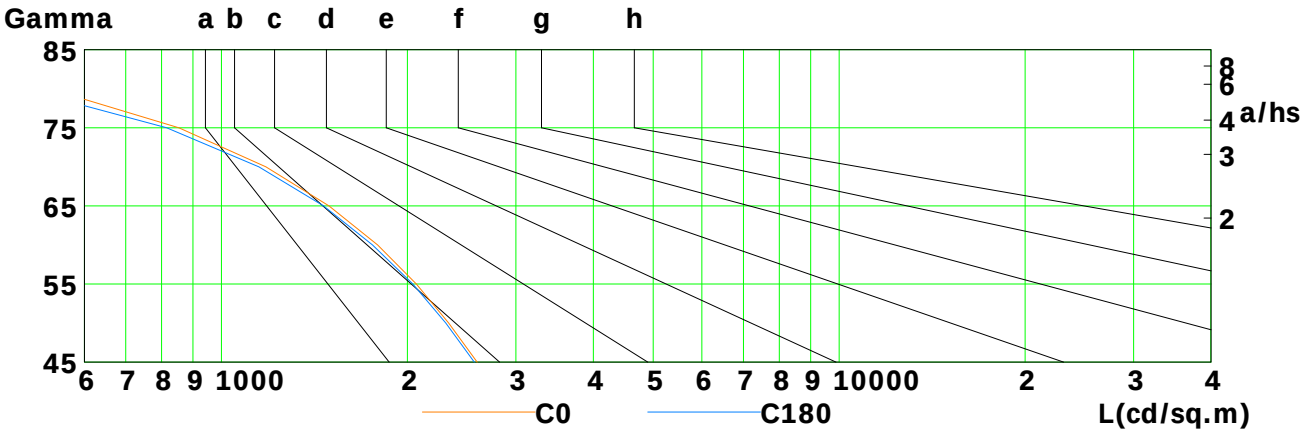
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



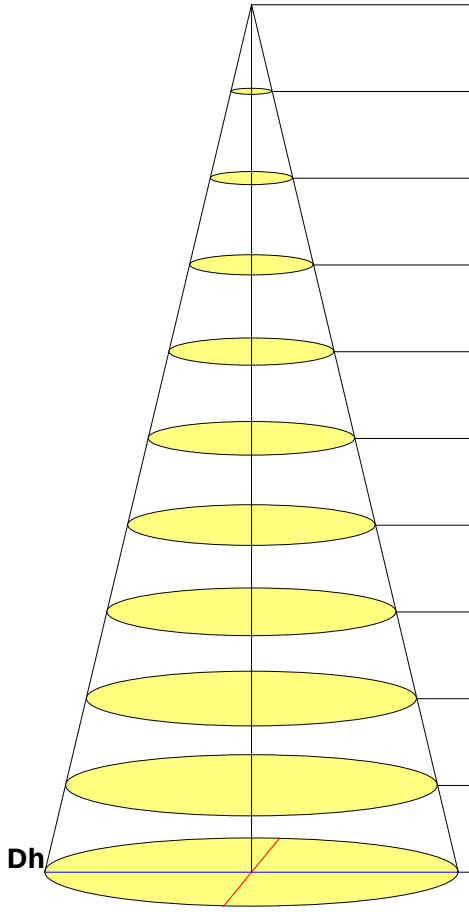


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	2597	2334	2069	1791	1493	1182	853	528	229
C90	4854	4739	4598	4416	4174	3846	3383	2768	2072
C180	2567	2309	2042	1758	1464	1150	816	476	217
C270	4873	4765	4635	4461	4232	3920	3453	2774	2115

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



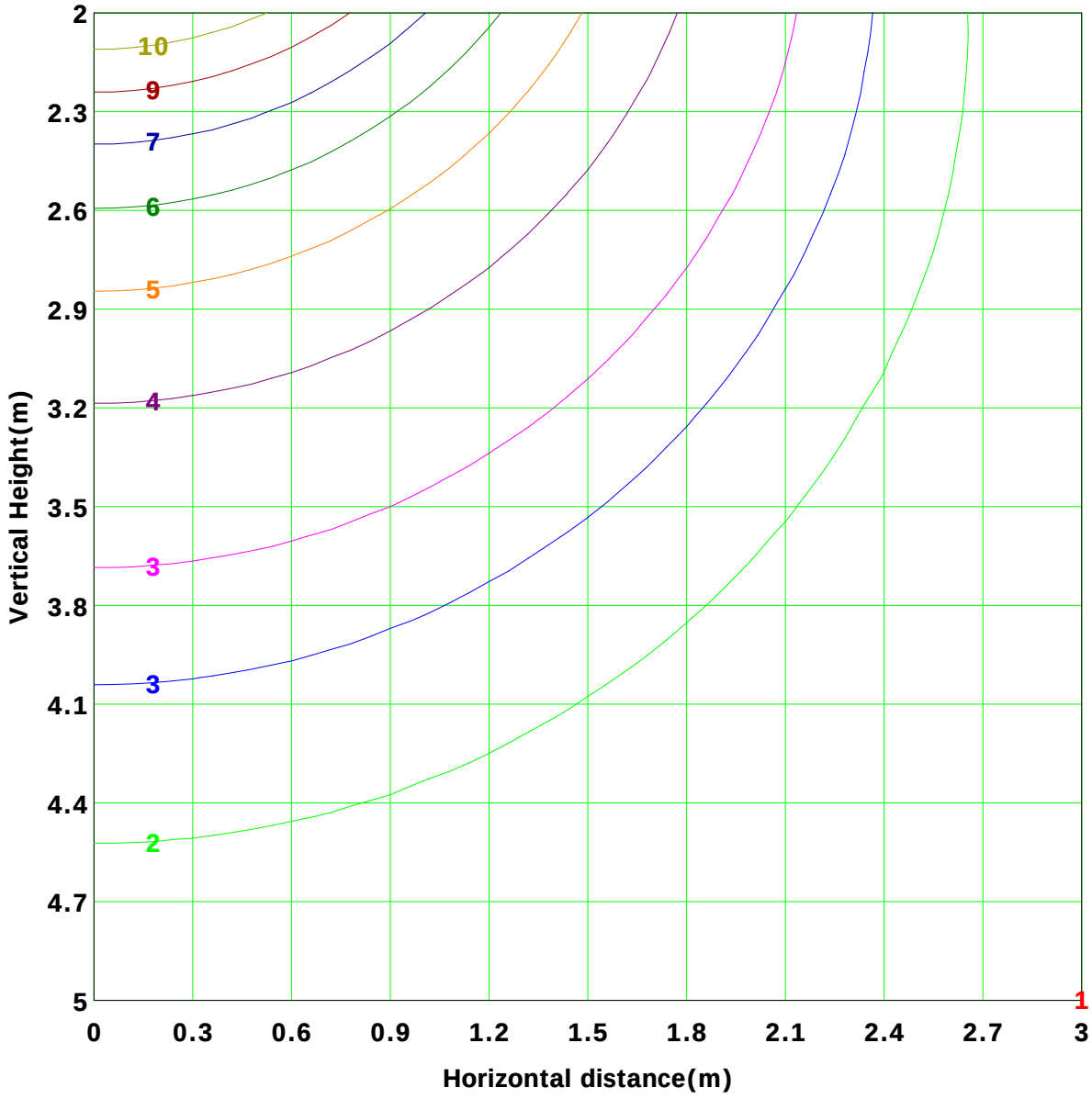
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	42.61	2.98/2.98	7.0	7.04
2.0	10.65	5.96/5.96	27.9	1.76
3.0	4.73	8.94/8.93	62.7	0.78
4.0	2.66	11.92/11.91	111.5	0.44
5.0	1.70	14.90/14.89	174.2	0.28
6.0	1.18	17.88/17.87	250.9	0.20
7.0	0.87	20.86/20.85	341.5	0.14
8.0	0.67	23.84/23.83	446.1	0.11
9.0	0.53	26.82/26.80	564.6	0.09
10.0	0.43	29.80/29.78	697.0	0.07

Beam Angle(B): H112.3 V112.2 Field Angle(F): H160.4 V160.9

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: 10.7 lx

(10%): 1.1 lx	(20%): 2.1 lx
(25%): 2.7 lx	(30%): 3.2 lx
(40%): 4.3 lx	(50%): 5.3 lx
(60%): 6.4 lx	(70%): 7.5 lx
(80%): 8.5 lx	(90%): 9.6 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

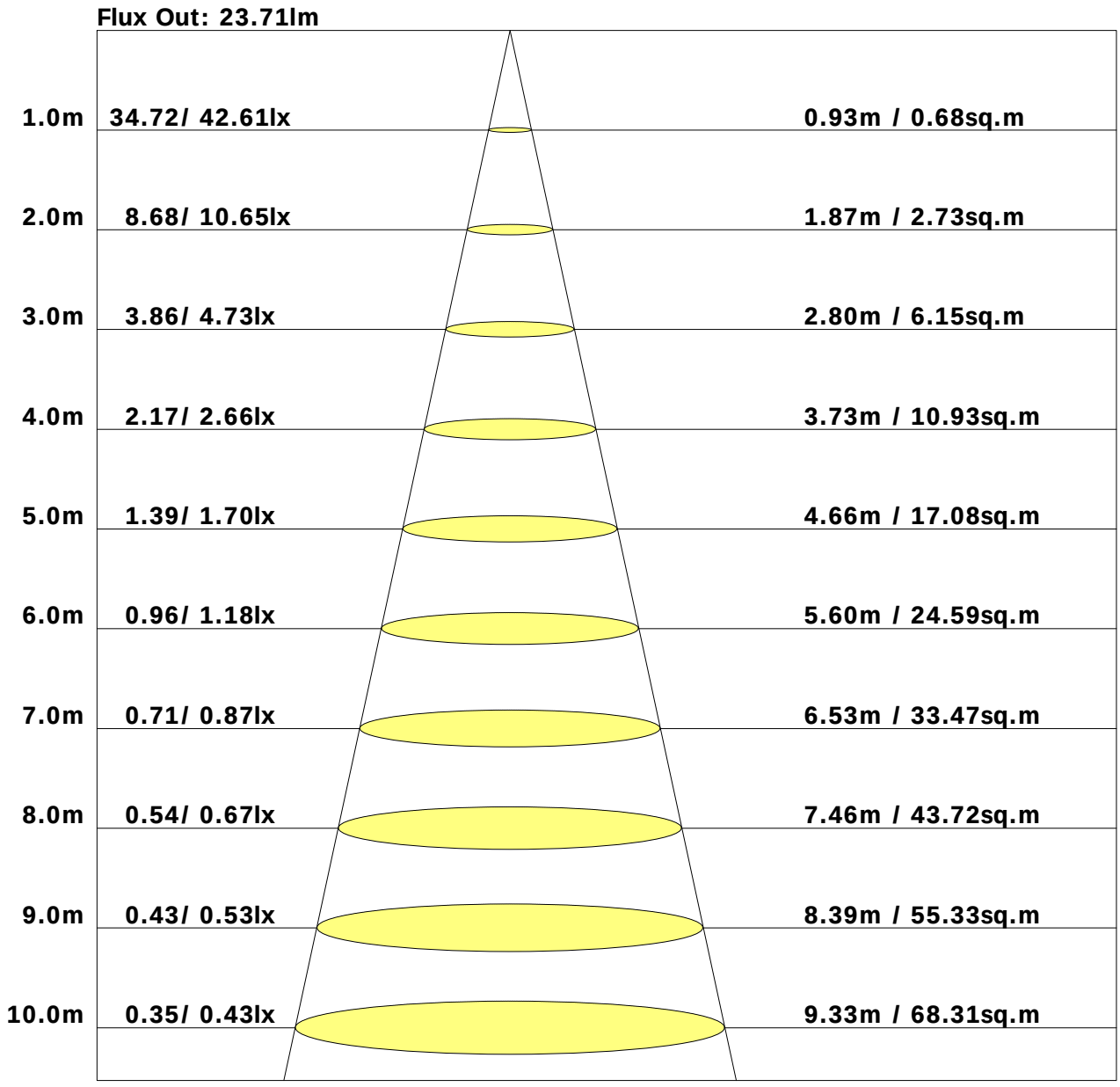
Unit: lm

Vertical plane \ 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	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
-80	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.0	1.8
-70	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.9	3.8
-60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.8	5.7
-50	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.0	7.5	7.4
-40	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	1.0	0.8	0.7	0.5	0.3	0.2	0.1	0.0	8.9	8.9
-30	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.5	0.3	0.2	0.1	0.0	10.0	10.0
-20	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	10.8	10.8
-10	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	11.2	11.2
0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	11.2	11.2
10	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0	10.8	10.8
20	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	0.9	0.8	0.5	0.3	0.2	0.1	0.0	10.0	10.0
30	0.0	0.0	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.2	0.1	0.0	8.9	8.8
40	0.0	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.0	7.4	7.4
50	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.7	5.7
60	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	3.9	3.8
70	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.0	1.7
80	0.0	0.0	0.0	0.0	0.0	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	0.6	0.0
Flux(T)	0.1	0.6	2.0	4.0	6.4	8.9	11.2	12.9	13.9	13.9	13.0	11.4	9.1	6.6	4.2	2.1	0.7	0.1	121	
Flux(E)	0.0	0.5	1.9	3.9	6.3	8.8	11.1	12.8	13.7	13.8	12.9	11.2	9.0	6.5	4.0	2.0	0.6	0.0		119

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	23.5	25.1	23.9	25.4	25.8	21.7	23.3	22.1	23.7	24.0
3H	25.2	26.7	25.6	27.0	27.4	23.1	24.5	23.5	24.9	25.3
4H	25.9	27.2	26.3	27.6	28.0	23.5	24.8	23.9	25.2	25.6
6H	26.3	27.5	26.7	27.9	28.4	23.7	25.0	24.1	25.3	25.8
8H	26.4	27.6	26.8	28.0	28.5	23.7	24.9	24.2	25.3	25.8
12H	26.5	27.6	26.9	28.0	28.5	23.7	24.9	24.2	25.3	25.8
X=4H Y=2H	23.8	25.2	24.2	25.6	26.0	22.4	23.7	22.8	24.1	24.5
3H	25.7	26.9	26.2	27.3	27.7	23.9	25.0	24.3	25.4	25.9
4H	26.4	27.5	26.9	27.9	28.4	24.4	25.4	24.8	25.8	26.3
6H	26.9	27.8	27.4	28.3	28.8	24.6	25.5	25.1	26.0	26.5
8H	27.1	27.9	27.6	28.4	28.9	24.7	25.5	25.2	26.0	26.5
12H	27.2	27.9	27.7	28.4	28.9	24.7	25.5	25.2	26.0	26.5
X=8H Y=4H	26.5	27.4	27.0	27.8	28.3	24.6	25.4	25.1	25.9	26.4
6H	27.1	27.8	27.6	28.3	28.8	24.9	25.6	25.5	26.2	26.7
8H	27.3	27.9	27.8	28.4	28.9	25.0	25.7	25.6	26.2	26.7
12H	27.4	27.9	27.9	28.5	29.0	25.1	25.6	25.6	26.1	26.7
X=12H Y=4H	26.5	27.3	27.0	27.8	28.3	24.6	25.4	25.1	25.9	26.4
6H	27.1	27.7	27.6	28.2	28.8	25.0	25.6	25.5	26.1	26.7
8H	27.3	27.8	27.8	28.3	28.9	25.1	25.6	25.6	26.1	26.7

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	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.48	0.59	0.67	0.72	0.81	0.86	0.90	0.96	0.99
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.98
	0.30		0.47	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.42	0.52	0.60	0.66	0.74	0.79	0.84	0.89	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	0.63	0.69	0.76	0.81	0.84	0.89	0.92
	0.20		0.42	0.52	0.59	0.64	0.72	0.77	0.81	0.87	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85

Rating:4W 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	0.49	0.40	0.35	0.27	0.22
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21
	0.20		0.71	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20
0.50	0.50	0.20	0.96	0.79	0.67	0.58	0.46	0.42	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		0.71	0.61	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	0.37	0.31	0.24	0.20
	0.30		0.79	0.67	0.58	0.51	0.41	0.34	0.29	0.23	0.19
	0.20		0.70	0.60	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	0.38	0.30	0.25	0.22	0.17	0.14

Rating:4W 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	0.12	0.14	0.15	0.16	0.17	0.18	0.20	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	0.20	0.20	0.21	0.21	0.22	0.22
	0.30		0.11	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	0.16	0.17
0.30	0.50	0.20	0.16	0.18	0.18	0.19	0.20	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		0.06	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:4W 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	42.6	0.0	0.0	0.03	0.03
1.0-2.0	42.6	0.1	0.2	0.10	0.13
2.0-3.0	42.6	0.2	0.4	0.17	0.30
3.0-4.0	42.5	0.3	0.7	0.23	0.53
4.0-5.0	42.5	0.4	1.0	0.30	0.83
5.0-6.0	42.4	0.4	1.5	0.36	1.19
6.0-7.0	42.3	0.5	2.0	0.43	1.62
7.0-8.0	42.2	0.6	2.6	0.49	2.11
8.0-9.0	42.1	0.7	3.3	0.56	2.67
9.0-10.0	41.9	0.8	4.0	0.62	3.29
10.0-11.0	41.8	0.8	4.9	0.68	3.97
11.0-12.0	41.6	0.9	5.8	0.74	4.71
12.0-13.0	41.4	1.0	6.8	0.80	5.51
13.0-14.0	41.2	1.1	7.8	0.86	6.37
14.0-15.0	41.0	1.1	8.9	0.92	7.29
15.0-16.0	40.8	1.2	10.1	0.97	8.26
16.0-17.0	40.6	1.3	11.4	1.03	9.29
17.0-18.0	40.3	1.3	12.7	1.08	10.37
18.0-19.0	40.0	1.4	14.1	1.14	11.51
19.0-20.0	39.8	1.5	15.6	1.19	12.70
20.0-21.0	39.5	1.5	17.1	1.23	13.93
21.0-22.0	39.1	1.6	18.7	1.28	15.21
22.0-23.0	38.8	1.6	20.3	1.33	16.54
23.0-24.0	38.5	1.7	22.0	1.37	17.91
24.0-25.0	38.1	1.7	23.7	1.41	19.32
25.0-26.0	37.8	1.8	25.5	1.45	20.78
26.0-27.0	37.4	1.8	27.3	1.49	22.27
27.0-28.0	37.0	1.9	29.2	1.53	23.79
28.0-29.0	36.6	1.9	31.1	1.56	25.36
29.0-30.0	36.2	2.0	33.1	1.59	26.95
30.0-31.0	35.8	2.0	35.1	1.62	28.57
31.0-32.0	35.3	2.0	37.1	1.65	30.22
32.0-33.0	34.9	2.1	39.1	1.67	31.89
33.0-34.0	34.4	2.1	41.2	1.70	33.59
34.0-35.0	33.9	2.1	43.3	1.72	35.31
35.0-36.0	33.5	2.1	45.5	1.74	37.05

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	33.0	2.1	47.6	1.75	38.80
37.0-38.0	32.5	2.2	49.8	1.77	40.56
38.0-39.0	31.9	2.2	52.0	1.78	42.34
39.0-40.0	31.4	2.2	54.2	1.79	44.13
40.0-41.0	30.9	2.2	56.4	1.79	45.92
41.0-42.0	30.3	2.2	58.6	1.80	47.71
42.0-43.0	29.8	2.2	60.8	1.80	49.51
43.0-44.0	29.2	2.2	63.0	1.80	51.31
44.0-45.0	28.6	2.2	65.2	1.79	53.10
45.0-46.0	28.0	2.2	67.4	1.79	54.89
46.0-47.0	27.4	2.2	69.5	1.78	56.67
47.0-48.0	26.8	2.2	71.7	1.77	58.43
48.0-49.0	26.2	2.2	73.9	1.76	60.19
49.0-50.0	25.6	2.1	76.0	1.74	61.93
50.0-51.0	25.0	2.1	78.1	1.72	63.65
51.0-52.0	24.4	2.1	80.2	1.70	65.36
52.0-53.0	23.7	2.1	82.3	1.68	67.04
53.0-54.0	23.1	2.0	84.3	1.66	68.70
54.0-55.0	22.4	2.0	86.3	1.63	70.32
55.0-56.0	21.7	2.0	88.3	1.60	71.93
56.0-57.0	21.1	1.9	90.2	1.57	73.50
57.0-58.0	20.4	1.9	92.1	1.54	75.03
58.0-59.0	19.7	1.8	93.9	1.50	76.53
59.0-60.0	19.0	1.8	95.7	1.46	78.00
60.0-61.0	18.3	1.7	97.5	1.42	79.42
61.0-62.0	17.6	1.7	99.2	1.38	80.80
62.0-63.0	16.9	1.6	100.8	1.34	82.14
63.0-64.0	16.2	1.6	102.4	1.29	83.43
64.0-65.0	15.4	1.5	103.9	1.25	84.68
65.0-66.0	14.7	1.5	105.4	1.20	85.87
66.0-67.0	14.0	1.4	106.8	1.15	87.02
67.0-68.0	13.3	1.3	108.1	1.10	88.12
68.0-69.0	12.5	1.3	109.4	1.04	89.16
69.0-70.0	11.8	1.2	110.6	0.99	90.15
70.0-71.0	11.1	1.1	111.8	0.93	91.08
71.0-72.0	10.3	1.1	112.9	0.88	91.96

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	9.6	1.0	113.9	0.82	92.78
73.0-74.0	8.9	0.9	114.8	0.76	93.54
74.0-75.0	8.2	0.9	115.7	0.70	94.24
75.0-76.0	7.4	0.8	116.4	0.64	94.89
76.0-77.0	6.7	0.7	117.2	0.59	95.47
77.0-78.0	6.1	0.6	117.8	0.53	96.00
78.0-79.0	5.4	0.6	118.4	0.47	96.47
79.0-80.0	4.8	0.5	118.9	0.42	96.89
80.0-81.0	4.1	0.4	119.4	0.36	97.26
81.0-82.0	3.5	0.4	119.7	0.31	97.57
82.0-83.0	3.0	0.3	120.1	0.27	97.84
83.0-84.0	2.5	0.3	120.3	0.22	98.06
84.0-85.0	2.0	0.2	120.6	0.18	98.24
85.0-86.0	1.6	0.2	120.7	0.15	98.39
86.0-87.0	1.3	0.1	120.9	0.12	98.50
87.0-88.0	1.0	0.1	121.0	0.09	98.59
88.0-89.0	0.7	0.1	121.1	0.07	98.65
89.0-90.0	0.5	0.1	121.1	0.05	98.70
90.0-91.0	0.4	0.0	121.2	0.04	98.74
91.0-92.0	0.3	0.0	121.2	0.03	98.77
92.0-93.0	0.3	0.0	121.2	0.02	98.79
93.0-94.0	0.2	0.0	121.3	0.02	98.81
94.0-95.0	0.2	0.0	121.3	0.02	98.83
95.0-96.0	0.2	0.0	121.3	0.02	98.85
96.0-97.0	0.2	0.0	121.3	0.02	98.86
97.0-98.0	0.2	0.0	121.3	0.02	98.88
98.0-99.0	0.2	0.0	121.4	0.02	98.90
99.0-100.0	0.2	0.0	121.4	0.02	98.92
100.0-101.0	0.2	0.0	121.4	0.02	98.93
101.0-102.0	0.2	0.0	121.4	0.02	98.95
102.0-103.0	0.2	0.0	121.5	0.02	98.97
103.0-104.0	0.2	0.0	121.5	0.02	98.98
104.0-105.0	0.2	0.0	121.5	0.01	99.00
105.0-106.0	0.2	0.0	121.5	0.02	99.01
106.0-107.0	0.2	0.0	121.5	0.02	99.03
107.0-108.0	0.2	0.0	121.6	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	0.2	0.0	121.6	0.02	99.06
109.0-110.0	0.2	0.0	121.6	0.02	99.08
110.0-111.0	0.2	0.0	121.6	0.02	99.10
111.0-112.0	0.2	0.0	121.6	0.02	99.11
112.0-113.0	0.2	0.0	121.7	0.02	99.13
113.0-114.0	0.2	0.0	121.7	0.02	99.14
114.0-115.0	0.2	0.0	121.7	0.02	99.16
115.0-116.0	0.2	0.0	121.7	0.02	99.18
116.0-117.0	0.2	0.0	121.7	0.02	99.19
117.0-118.0	0.2	0.0	121.8	0.02	99.21
118.0-119.0	0.2	0.0	121.8	0.02	99.23
119.0-120.0	0.2	0.0	121.8	0.02	99.25
120.0-121.0	0.2	0.0	121.8	0.02	99.26
121.0-122.0	0.2	0.0	121.8	0.02	99.28
122.0-123.0	0.2	0.0	121.9	0.02	99.30
123.0-124.0	0.2	0.0	121.9	0.02	99.31
124.0-125.0	0.2	0.0	121.9	0.02	99.33
125.0-126.0	0.2	0.0	121.9	0.02	99.35
126.0-127.0	0.2	0.0	121.9	0.02	99.37
127.0-128.0	0.2	0.0	122.0	0.02	99.38
128.0-129.0	0.3	0.0	122.0	0.02	99.40
129.0-130.0	0.3	0.0	122.0	0.02	99.42
130.0-131.0	0.3	0.0	122.0	0.02	99.44
131.0-132.0	0.3	0.0	122.1	0.02	99.45
132.0-133.0	0.3	0.0	122.1	0.02	99.47
133.0-134.0	0.3	0.0	122.1	0.02	99.49
134.0-135.0	0.3	0.0	122.1	0.02	99.51
135.0-136.0	0.3	0.0	122.1	0.02	99.52
136.0-137.0	0.3	0.0	122.2	0.02	99.54
137.0-138.0	0.3	0.0	122.2	0.02	99.56
138.0-139.0	0.3	0.0	122.2	0.02	99.58
139.0-140.0	0.3	0.0	122.2	0.02	99.59
140.0-141.0	0.3	0.0	122.2	0.02	99.61
141.0-142.0	0.3	0.0	122.3	0.02	99.63
142.0-143.0	0.3	0.0	122.3	0.02	99.64
143.0-144.0	0.3	0.0	122.3	0.02	99.66

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	0.3	0.0	122.3	0.02	99.68
145.0-146.0	0.3	0.0	122.3	0.02	99.69
146.0-147.0	0.3	0.0	122.4	0.02	99.71
147.0-148.0	0.3	0.0	122.4	0.02	99.72
148.0-149.0	0.3	0.0	122.4	0.01	99.74
149.0-150.0	0.3	0.0	122.4	0.01	99.75
150.0-151.0	0.3	0.0	122.4	0.02	99.77
151.0-152.0	0.3	0.0	122.5	0.01	99.78
152.0-153.0	0.3	0.0	122.5	0.01	99.80
153.0-154.0	0.3	0.0	122.5	0.01	99.81
154.0-155.0	0.3	0.0	122.5	0.01	99.82
155.0-156.0	0.3	0.0	122.5	0.01	99.84
156.0-157.0	0.4	0.0	122.5	0.01	99.85
157.0-158.0	0.4	0.0	122.6	0.01	99.86
158.0-159.0	0.4	0.0	122.6	0.01	99.87
159.0-160.0	0.4	0.0	122.6	0.01	99.88
160.0-161.0	0.4	0.0	122.6	0.01	99.90
161.0-162.0	0.4	0.0	122.6	0.01	99.91
162.0-163.0	0.4	0.0	122.6	0.01	99.92
163.0-164.0	0.4	0.0	122.6	0.01	99.92
164.0-165.0	0.4	0.0	122.6	0.01	99.93
165.0-166.0	0.4	0.0	122.7	0.01	99.94
166.0-167.0	0.4	0.0	122.7	0.01	99.95
167.0-168.0	0.4	0.0	122.7	0.01	99.96
168.0-169.0	0.4	0.0	122.7	0.01	99.96
169.0-170.0	0.4	0.0	122.7	0.01	99.97
170.0-171.0	0.4	0.0	122.7	0.01	99.98
171.0-172.0	0.4	0.0	122.7	0.01	99.98
172.0-173.0	0.4	0.0	122.7	0.00	99.99
173.0-174.0	0.4	0.0	122.7	0.00	99.99
174.0-175.0	0.4	0.0	122.7	0.00	99.99
175.0-176.0	0.4	0.0	122.7	0.00	100.00
176.0-177.0	0.4	0.0	122.7	0.00	100.00
177.0-178.0	0.4	0.0	122.7	0.00	100.00
178.0-179.0	0.4	0.0	122.7	0.00	100.00
179.0-180.0	0.4	0.0	122.7	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: