GENLED Brands
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Report No.: **Test Time: 2021/11/9 14:43**

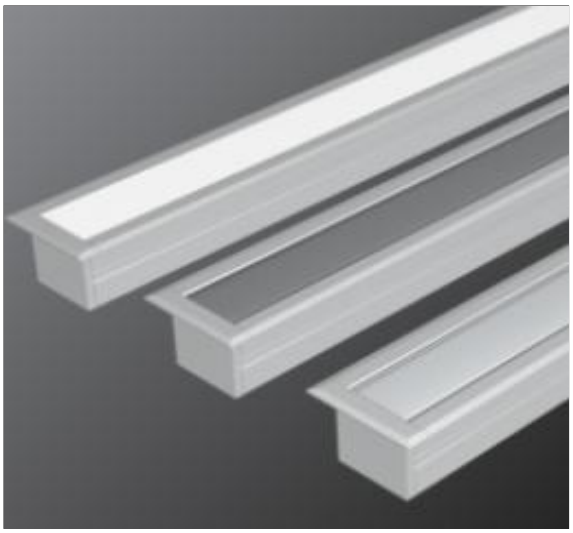
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAR16MRB90SWS2204.430
Luminous Length (mm): 500 **Luminous Width (mm): 18.8**
Luminous Height (mm): 18.8 **Voltage: 24.0 V**
Current: 0.293 A **Power: 7.03 W**
Power Factor: 1.000

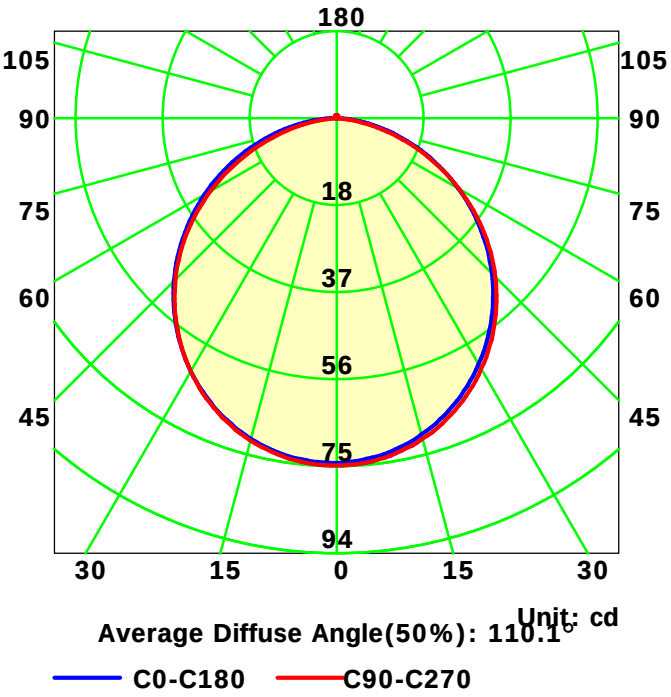
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 210.5 lm**
Measurement Flux: 210.5 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H161.5,H110.5
Vertical Diffuse Angle(10%,50%): V157.2,V109.6
Luminaire Efficacy Rating (LER): 30 **Central Intensity: 75.11 cd**
Max. Intensity: 75.88 cd **Pos of Max. Intensity: H150 V0**

Picture Of Luminaire

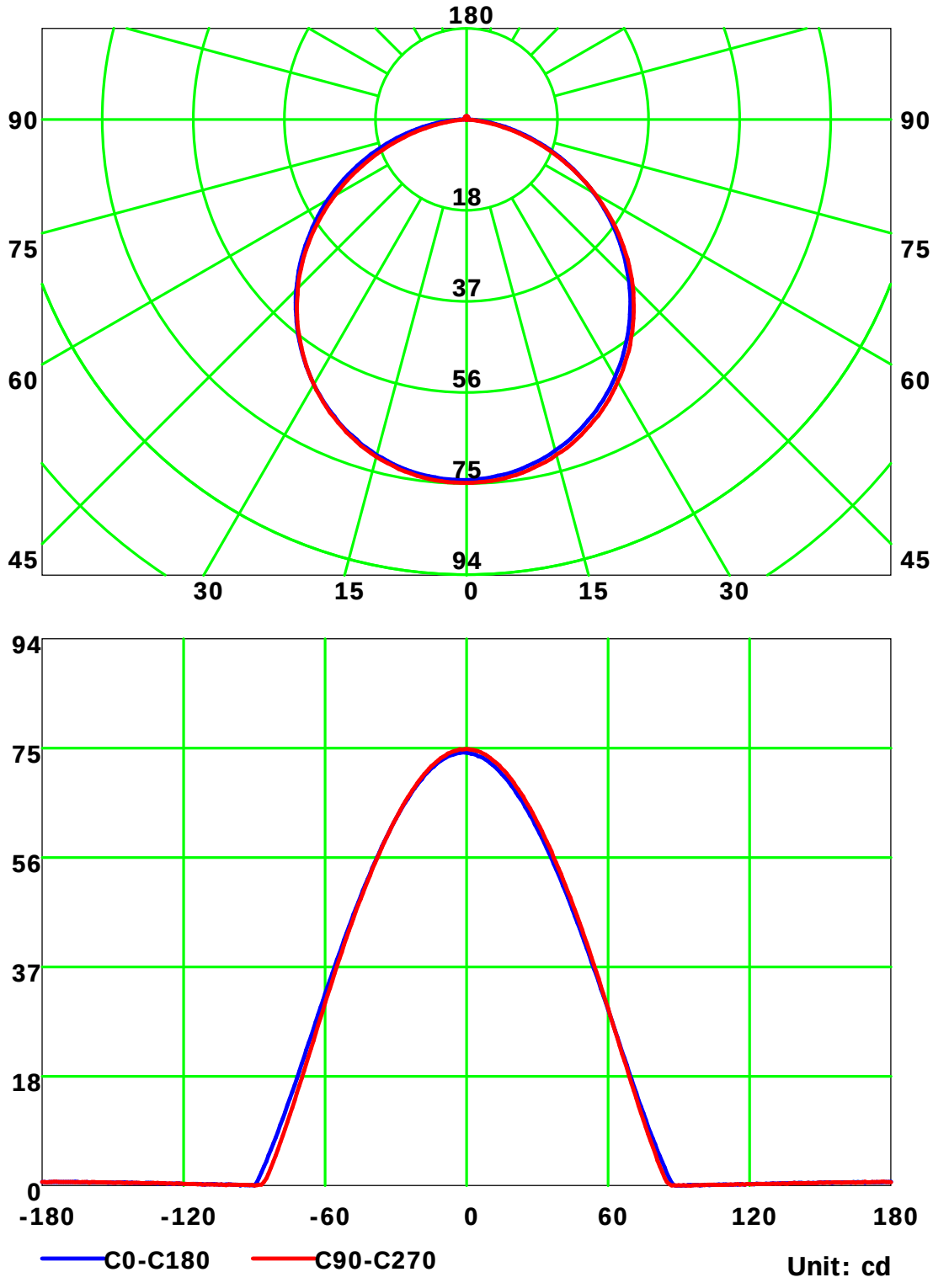


Luminous Intensity Distribution Curve



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



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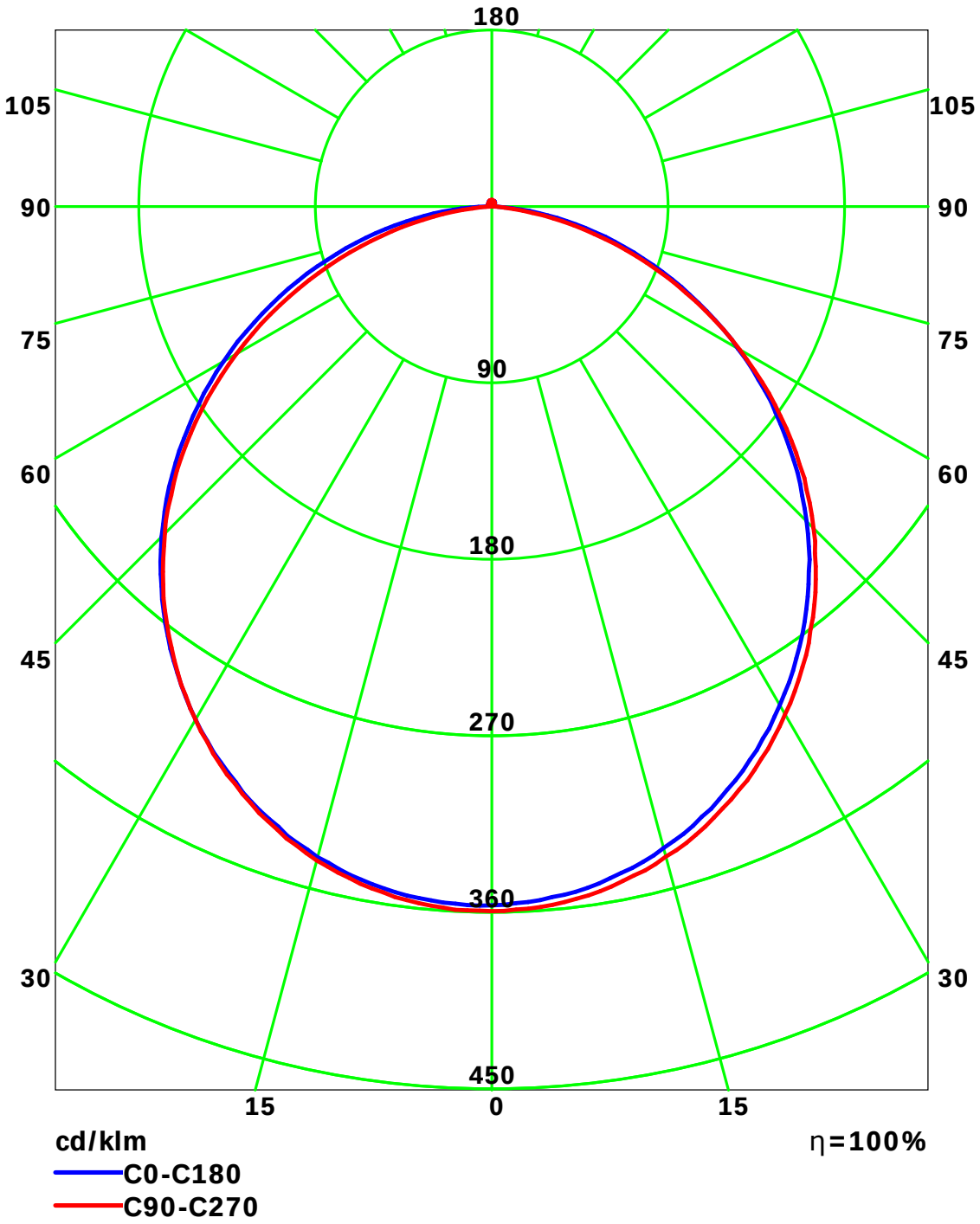
Temperature: 25
Operator: Nick

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

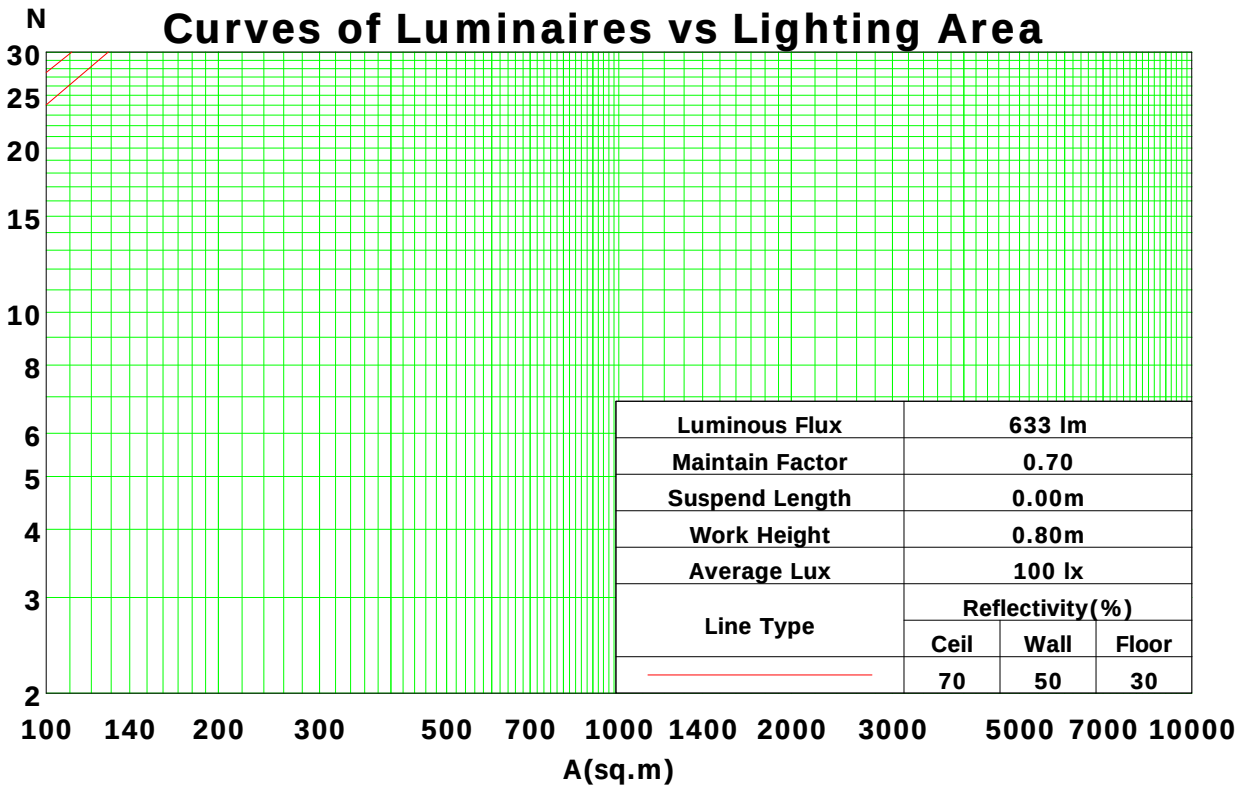
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	91	93	91	88	90	87	86	83
2	99	91	84	79	96	89	83	78	85	80	76	82	77	74	79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	69	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	52	50
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	42	68	56	48	41	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	42	36	32	30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	30	26	24

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.24
Spacing Criteria (Diagonal): 1.36

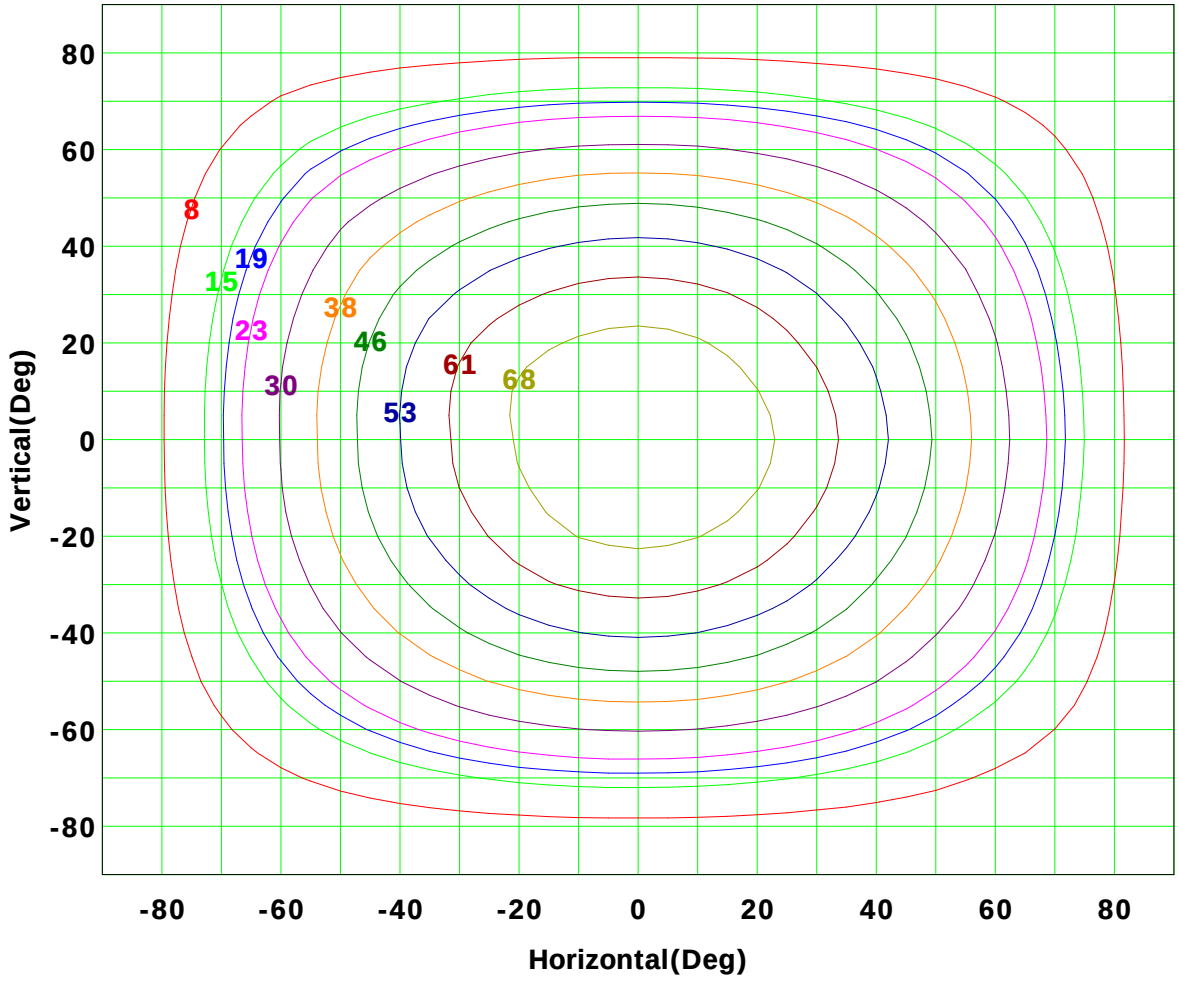
Curves of Luminaires vs Lighting Area



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)



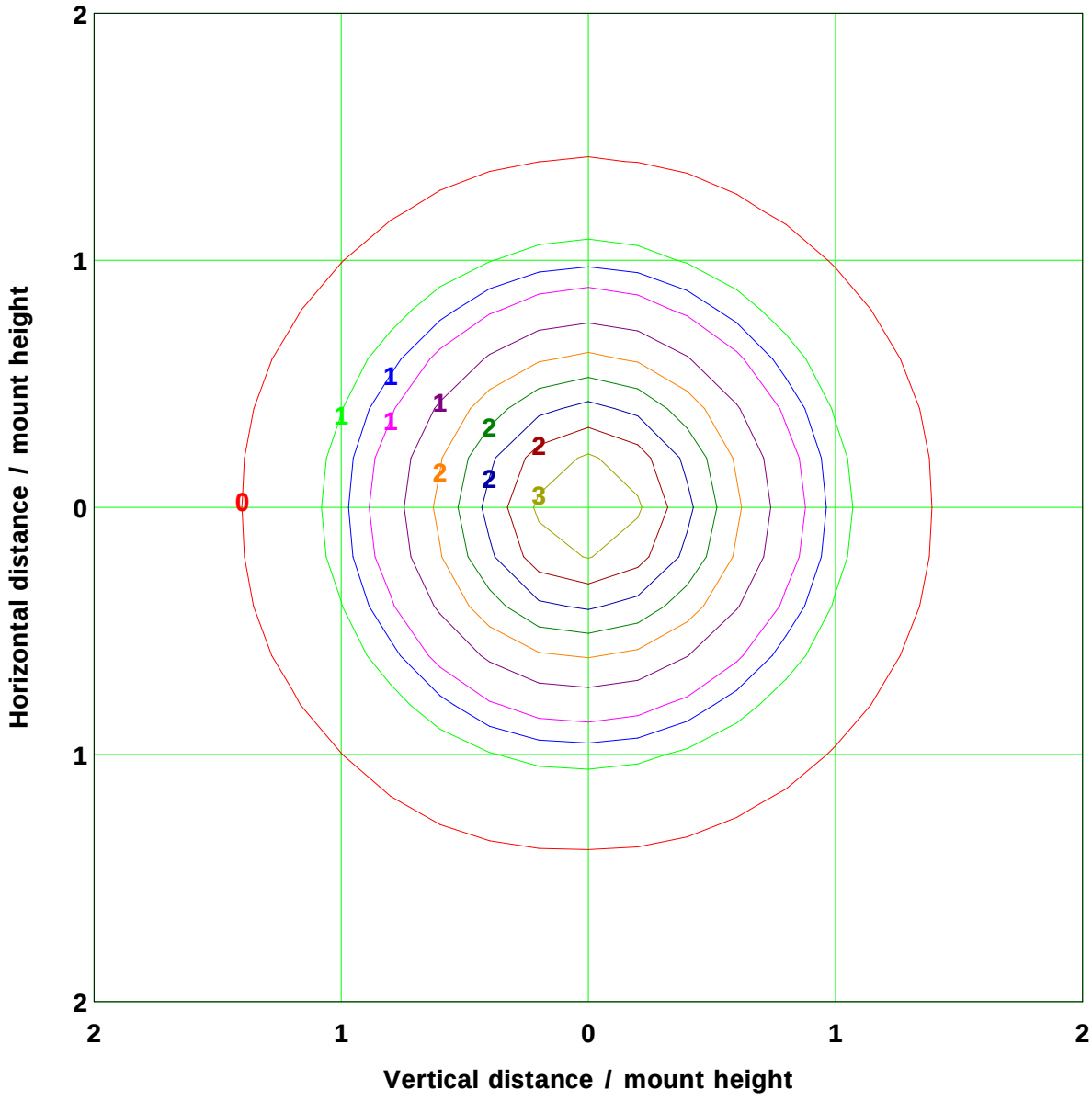
Imax (100%): 76 cd

(10%):	8 cd	(20%):	15 cd
(25%):	19 cd	(30%):	23 cd
(40%):	30 cd	(50%):	38 cd
(60%):	46 cd	(70%):	53 cd
(80%):	61 cd	(90%):	68 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%): 3.0 lx

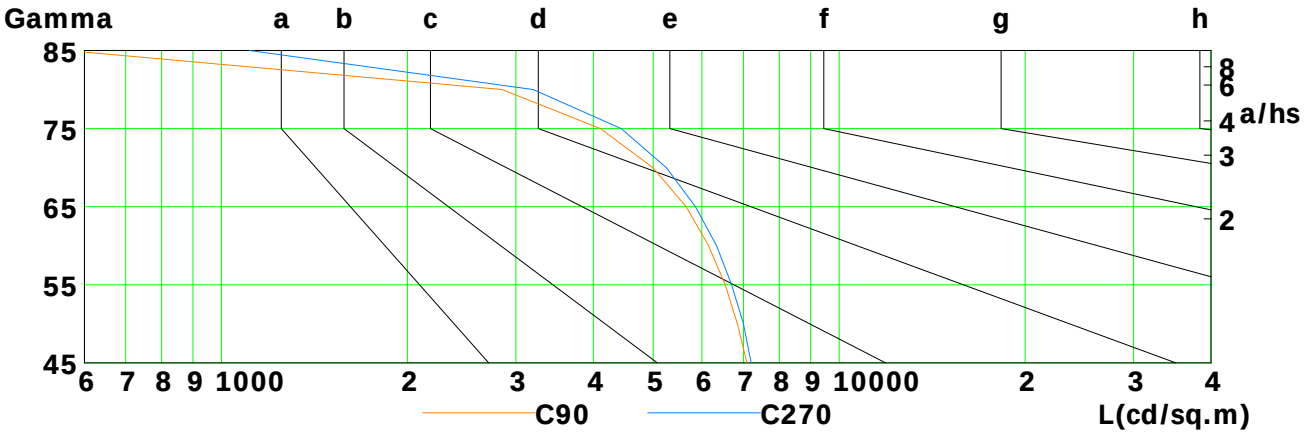
(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.8 lx	(30%): 0.9 lx
(40%): 1.2 lx	(50%): 1.5 lx
(60%): 1.8 lx	(70%): 2.1 lx
(80%): 2.4 lx	(90%): 2.7 lx

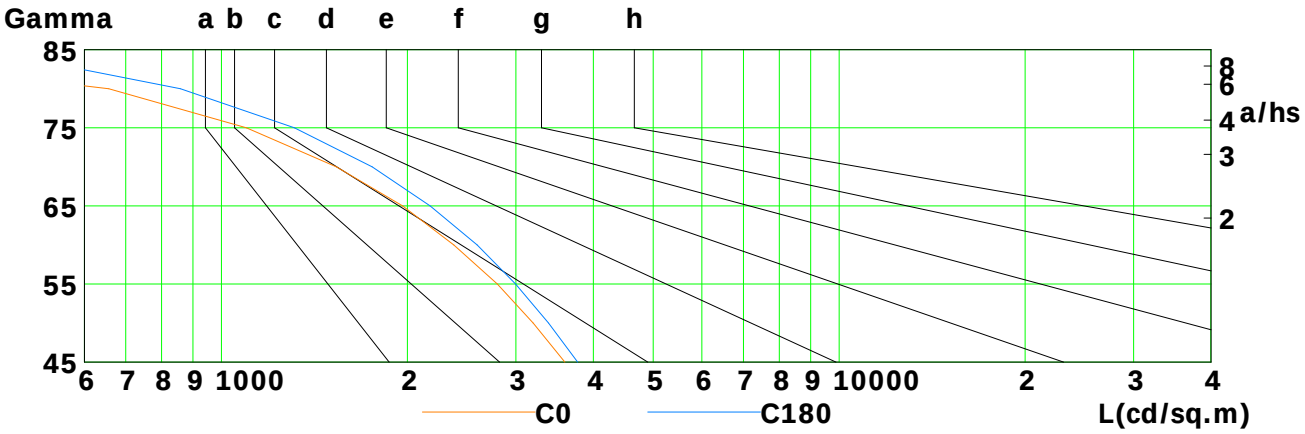
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



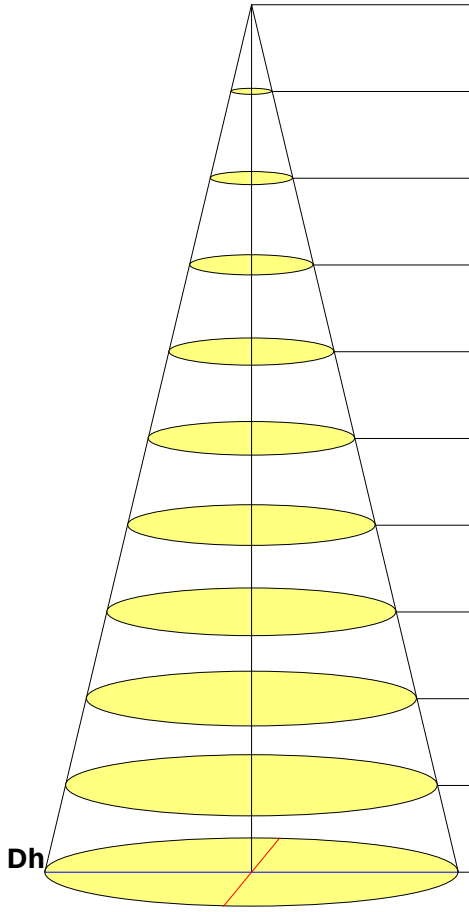


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3601	3197	2799	2380	1964	1535	1098	658	213
C90	7092	6845	6543	6151	5653	4996	4109	2848	563
C180	3776	3387	2994	2594	2178	1755	1313	859	413
C270	7211	7005	6703	6338	5856	5252	4441	3196	1110

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



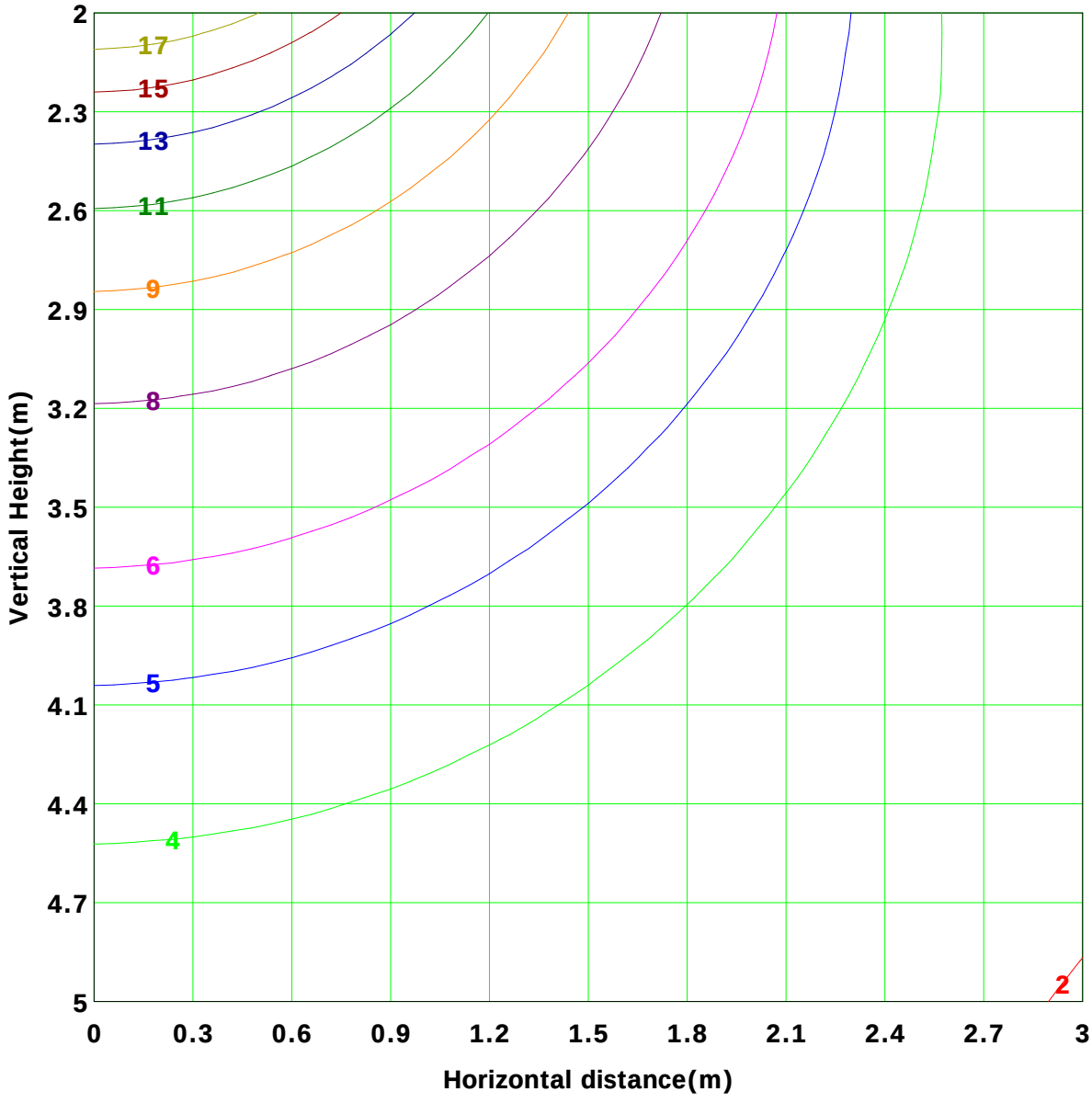
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	75.11	2.88/2.84	6.5	13.02
2.0	18.78	5.77/5.67	25.9	3.26
3.0	8.35	8.65/8.51	58.2	1.45
4.0	4.69	11.54/11.34	103.5	0.81
5.0	3.00	14.42/14.18	161.7	0.52
6.0	2.09	17.30/17.01	232.8	0.36
7.0	1.53	20.19/19.85	316.9	0.27
8.0	1.17	23.07/22.68	413.9	0.20
9.0	0.93	25.95/25.52	523.8	0.16
10.0	0.75	28.84/28.35	646.7	0.13

Beam Angle(B): H110.5 V109.6 Field Angle(F): H161.5 V157.2

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: 18.8 lx

(10%): 1.9 lx	(20%): 3.8 lx
(25%): 4.7 lx	(30%): 5.6 lx
(40%): 7.5 lx	(50%): 9.4 lx
(60%): 11.3 lx	(70%): 13.1 lx
(80%): 15.0 lx	(90%): 16.9 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

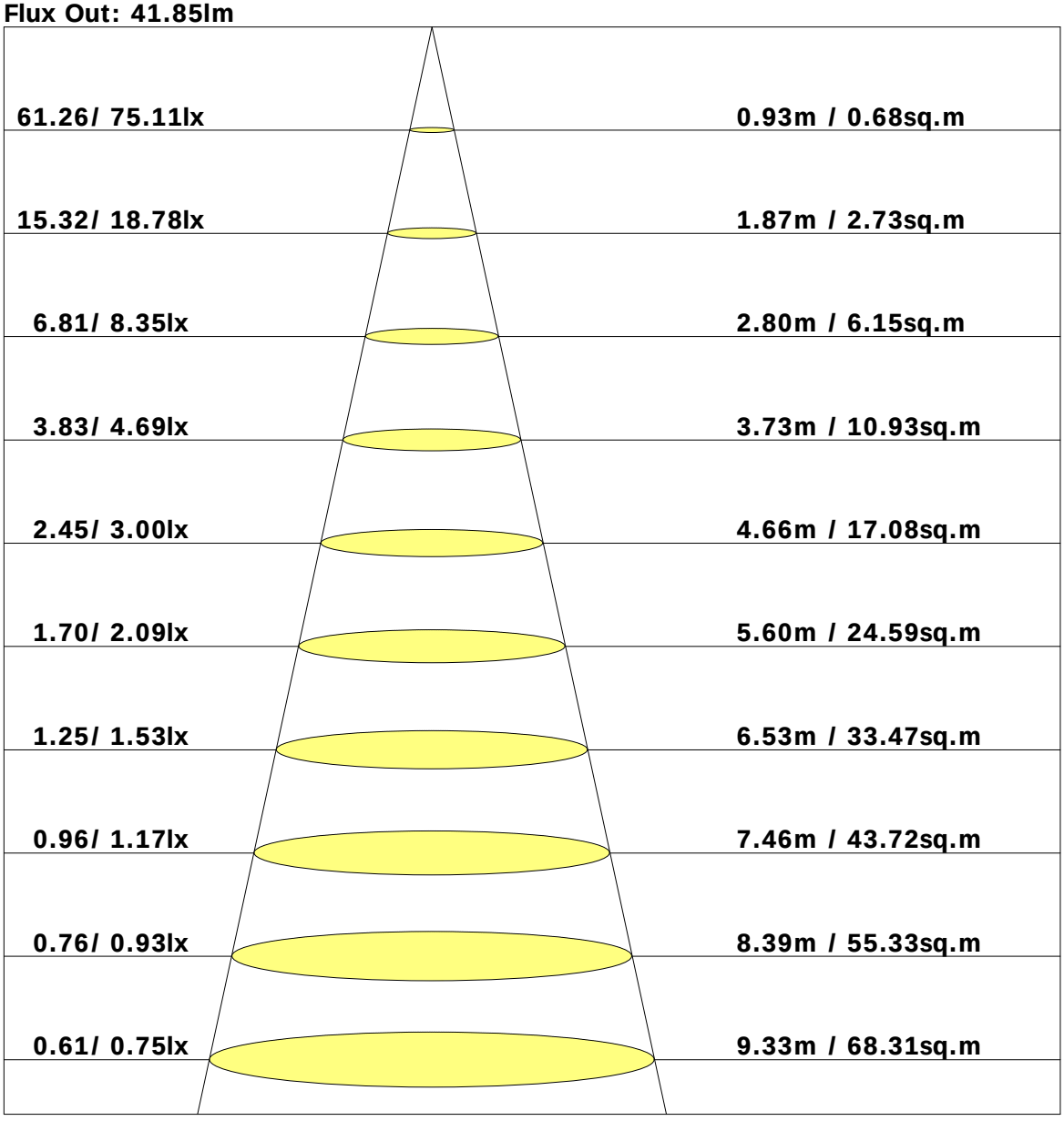
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.3	1.1
-70	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.0	0.0	3.6	3.4
-60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	7.1	6.9
-50	0.0	0.0	0.2	0.4	0.5	0.7	0.8	1.0	1.1	1.1	1.1	1.0	0.8	0.7	0.5	0.3	0.2	0.1	0.0	11.2	11.0
-40	0.0	0.0	0.2	0.5	0.7	1.0	1.2	1.3	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	15.5	15.3
-30	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.6	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.2	0.0	19.4	19.2
-20	0.0	0.1	0.4	0.7	1.1	1.4	1.7	1.9	2.0	2.1	2.1	2.0	1.7	1.4	1.1	0.7	0.4	0.2	0.0	22.4	22.2
-10	0.0	0.1	0.4	0.8	1.1	1.5	1.8	2.0	2.2	2.3	2.3	2.2	1.8	1.5	1.1	0.8	0.4	0.2	0.0	24.0	23.8
0	0.0	0.1	0.4	0.8	1.1	1.5	1.8	2.0	2.2	2.3	2.3	2.2	1.8	1.5	1.1	0.8	0.4	0.2	0.0	24.0	23.8
10	0.0	0.1	0.4	0.7	1.1	1.4	1.7	1.9	2.0	2.1	2.1	2.0	1.7	1.4	1.1	0.7	0.4	0.2	0.0	22.4	22.2
20	0.0	0.1	0.4	0.7	1.0	1.4	1.6	1.8	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	19.4	19.2
30	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.6	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	15.4	15.2
40	0.0	0.1	0.3	0.6	0.8	1.1	1.4	1.6	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	11.1	10.9
50	0.0	0.1	0.3	0.5	0.8	1.0	1.2	1.4	1.5	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	6.9	6.7
60	0.0	0.1	0.2	0.4	0.7	0.9	1.1	1.2	1.4	1.4	1.4	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	3.4	3.2
70	0.0	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.1	0.0	1.1	0.8
80	0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.1	1.0	0.8	0.7	0.5	0.3	0.2	0.1	0.0	0.1	0.0
90	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	208	
Flux(T)	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		
Flux(E)	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	0.0	0.0	0.0

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: 41.85lm



Height Avg./Nadir. E Beam Angle:50.0° Diameter / 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:

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	22.7	24.3	23.0	24.6	24.9	20.9	22.5	21.3	22.9	23.2
3H	24.3	25.8	24.7	26.1	26.5	22.1	23.6	22.5	23.9	24.3
4H	24.9	26.3	25.3	26.7	27.1	22.4	23.8	22.8	24.2	24.6
6H	25.3	26.6	25.7	27.0	27.4	22.6	23.8	23.0	24.2	24.6
8H	25.4	26.6	25.9	27.0	27.4	22.6	23.8	23.0	24.2	24.6
12H	25.4	26.6	25.9	27.0	27.4	22.5	23.7	23.0	24.1	24.5
X=4H Y=2H	23.0	24.4	23.4	24.7	25.1	21.5	22.9	21.9	23.2	23.6
3H	24.8	26.0	25.3	26.4	26.8	22.9	24.0	23.3	24.4	24.8
4H	25.5	26.5	26.0	27.0	27.4	23.3	24.3	23.7	24.7	25.2
6H	26.0	26.9	26.5	27.3	27.8	23.5	24.3	23.9	24.8	25.3
8H	26.1	26.9	26.6	27.4	27.9	23.5	24.3	23.9	24.8	25.2
12H	26.2	26.9	26.6	27.4	27.9	23.4	24.2	23.9	24.7	25.2
X=8H Y=4H	25.6	26.4	26.1	26.9	27.4	23.5	24.3	24.0	24.8	25.3
6H	26.1	26.8	26.6	27.3	27.8	23.7	24.4	24.2	24.9	25.4
8H	26.3	26.9	26.8	27.4	27.9	23.7	24.3	24.2	24.9	25.4
12H	26.3	26.9	26.9	27.4	28.0	23.7	24.3	24.2	24.8	25.3
X=12H Y=4H	25.6	26.3	26.1	26.8	27.3	23.5	24.2	24.0	24.7	25.2
6H	26.1	26.7	26.6	27.2	27.8	23.7	24.3	24.3	24.8	25.4
8H	26.3	26.8	26.8	27.3	27.9	23.8	24.3	24.3	24.8	25.4

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	0.67	0.75	0.80	0.87	0.93	0.96	1.01	1.03
	0.30		0.49	0.60	0.67	0.73	0.81	0.87	0.91	0.97	1.00
	0.20		0.44	0.54	0.62	0.68	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99
	0.30		0.48	0.59	0.66	0.71	0.79	0.84	0.88	0.93	0.96
	0.20		0.43	0.53	0.61	0.67	0.75	0.80	0.84	0.90	0.94
0.30	0.50	0.20	0.54	0.63	0.70	0.75	0.81	0.85	0.89	0.93	0.95
	0.30		0.47	0.57	0.64	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.91
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.70	0.74	0.78	0.83	0.86

Rating:7W 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	0.99	0.81	0.69	0.60	0.48	0.39	0.34	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
0.50	0.50	0.20	0.95	0.78	0.66	0.57	0.45	0.41	0.32	0.25	0.20
	0.30		0.80	0.68	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.92	0.75	0.63	0.55	0.43	0.36	0.30	0.23	0.19
	0.30		0.79	0.66	0.57	0.50	0.40	0.33	0.29	0.22	0.18
	0.20		0.69	0.59	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.21	0.16	0.13

Rating:7W 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	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.10	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	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	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:7W 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	75.4	0.1	0.1	0.03	0.03
1.0-2.0	75.4	0.2	0.3	0.10	0.14
2.0-3.0	75.3	0.4	0.6	0.17	0.31
3.0-4.0	75.3	0.5	1.2	0.24	0.55
4.0-5.0	75.1	0.6	1.8	0.31	0.86
5.0-6.0	75.0	0.8	2.6	0.37	1.23
6.0-7.0	74.8	0.9	3.5	0.44	1.67
7.0-8.0	74.6	1.1	4.6	0.51	2.18
8.0-9.0	74.4	1.2	5.8	0.57	2.75
9.0-10.0	74.2	1.3	7.1	0.64	3.39
10.0-11.0	73.9	1.5	8.6	0.70	4.09
11.0-12.0	73.6	1.6	10.2	0.76	4.86
12.0-13.0	73.2	1.7	12.0	0.83	5.68
13.0-14.0	72.9	1.9	13.8	0.89	6.57
14.0-15.0	72.5	2.0	15.8	0.95	7.51
15.0-16.0	72.0	2.1	17.9	1.00	8.52
16.0-17.0	71.6	2.2	20.2	1.06	9.58
17.0-18.0	71.1	2.3	22.5	1.11	10.69
18.0-19.0	70.6	2.5	25.0	1.17	11.86
19.0-20.0	70.1	2.6	27.5	1.22	13.08
20.0-21.0	69.6	2.7	30.2	1.27	14.35
21.0-22.0	69.0	2.8	33.0	1.32	15.66
22.0-23.0	68.4	2.9	35.8	1.36	17.03
23.0-24.0	67.7	3.0	38.8	1.41	18.44
24.0-25.0	67.1	3.1	41.8	1.45	19.89
25.0-26.0	66.4	3.1	45.0	1.49	21.38
26.0-27.0	65.7	3.2	48.2	1.53	22.90
27.0-28.0	65.0	3.3	51.5	1.56	24.47
28.0-29.0	64.3	3.4	54.9	1.60	26.07
29.0-30.0	63.5	3.4	58.3	1.63	27.70
30.0-31.0	62.7	3.5	61.8	1.66	29.36
31.0-32.0	61.9	3.5	65.3	1.69	31.04
32.0-33.0	61.1	3.6	68.9	1.71	32.75
33.0-34.0	60.3	3.6	72.6	1.73	34.49
34.0-35.0	59.4	3.7	76.3	1.75	36.24
35.0-36.0	58.5	3.7	80.0	1.77	38.01

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	57.6	3.8	83.8	1.79	39.80
37.0-38.0	56.7	3.8	87.5	1.80	41.59
38.0-39.0	55.7	3.8	91.3	1.81	43.40
39.0-40.0	54.8	3.8	95.2	1.82	45.22
40.0-41.0	53.8	3.8	99.0	1.82	47.04
41.0-42.0	52.8	3.8	102.8	1.82	48.86
42.0-43.0	51.8	3.8	106.7	1.82	50.69
43.0-44.0	50.8	3.8	110.5	1.82	52.51
44.0-45.0	49.7	3.8	114.3	1.82	54.33
45.0-46.0	48.7	3.8	118.1	1.81	56.13
46.0-47.0	47.6	3.8	121.9	1.80	57.93
47.0-48.0	46.5	3.8	125.7	1.79	59.72
48.0-49.0	45.4	3.7	129.4	1.77	61.49
49.0-50.0	44.3	3.7	133.1	1.75	63.25
50.0-51.0	43.1	3.7	136.8	1.73	64.98
51.0-52.0	42.0	3.6	140.4	1.71	66.69
52.0-53.0	40.8	3.6	143.9	1.69	68.38
53.0-54.0	39.6	3.5	147.4	1.66	70.04
54.0-55.0	38.5	3.4	150.8	1.63	71.67
55.0-56.0	37.3	3.4	154.2	1.60	73.28
56.0-57.0	36.0	3.3	157.5	1.57	74.84
57.0-58.0	34.8	3.2	160.7	1.53	76.37
58.0-59.0	33.6	3.1	163.9	1.49	77.86
59.0-60.0	32.3	3.1	166.9	1.45	79.31
60.0-61.0	31.1	3.0	169.9	1.41	80.72
61.0-62.0	29.8	2.9	172.7	1.37	82.09
62.0-63.0	28.6	2.8	175.5	1.32	83.41
63.0-64.0	27.3	2.7	178.2	1.27	84.68
64.0-65.0	26.0	2.6	180.8	1.22	85.90
65.0-66.0	24.7	2.5	183.2	1.17	87.07
66.0-67.0	23.4	2.4	185.6	1.12	88.20
67.0-68.0	22.2	2.2	187.9	1.07	89.26
68.0-69.0	20.9	2.1	190.0	1.01	90.28
69.0-70.0	19.6	2.0	192.0	0.96	91.24
70.0-71.0	18.4	1.9	193.9	0.90	92.14
71.0-72.0	17.1	1.8	195.7	0.85	92.98

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	15.9	1.7	197.3	0.79	93.77
73.0-74.0	14.6	1.5	198.9	0.73	94.50
74.0-75.0	13.4	1.4	200.3	0.67	95.17
75.0-76.0	12.2	1.3	201.6	0.62	95.79
76.0-77.0	11.0	1.2	202.8	0.56	96.35
77.0-78.0	9.9	1.1	203.8	0.50	96.85
78.0-79.0	8.7	0.9	204.7	0.44	97.29
79.0-80.0	7.6	0.8	205.6	0.39	97.68
80.0-81.0	6.4	0.7	206.3	0.33	98.01
81.0-82.0	5.4	0.6	206.8	0.28	98.29
82.0-83.0	4.3	0.5	207.3	0.22	98.51
83.0-84.0	3.3	0.4	207.7	0.17	98.68
84.0-85.0	2.3	0.3	207.9	0.12	98.80
85.0-86.0	1.5	0.2	208.1	0.08	98.88
86.0-87.0	0.8	0.1	208.2	0.04	98.92
87.0-88.0	0.4	0.0	208.2	0.02	98.94
88.0-89.0	0.2	0.0	208.2	0.01	98.96
89.0-90.0	0.1	0.0	208.3	0.01	98.96
90.0-91.0	0.1	0.0	208.3	0.00	98.97
91.0-92.0	0.1	0.0	208.3	0.01	98.97
92.0-93.0	0.1	0.0	208.3	0.01	98.98
93.0-94.0	0.1	0.0	208.3	0.01	98.98
94.0-95.0	0.1	0.0	208.3	0.01	98.99
95.0-96.0	0.1	0.0	208.3	0.01	99.00
96.0-97.0	0.1	0.0	208.3	0.01	99.00
97.0-98.0	0.2	0.0	208.4	0.01	99.01
98.0-99.0	0.2	0.0	208.4	0.01	99.02
99.0-100.0	0.2	0.0	208.4	0.01	99.03
100.0-101.0	0.2	0.0	208.4	0.01	99.04
101.0-102.0	0.2	0.0	208.4	0.01	99.05
102.0-103.0	0.2	0.0	208.5	0.01	99.06
103.0-104.0	0.2	0.0	208.5	0.01	99.07
104.0-105.0	0.2	0.0	208.5	0.01	99.08
105.0-106.0	0.2	0.0	208.5	0.01	99.09
106.0-107.0	0.2	0.0	208.6	0.01	99.10
107.0-108.0	0.2	0.0	208.6	0.01	99.11

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	208.6	0.01	99.12
109.0-110.0	0.2	0.0	208.6	0.01	99.13
110.0-111.0	0.2	0.0	208.6	0.01	99.15
111.0-112.0	0.2	0.0	208.7	0.01	99.16
112.0-113.0	0.3	0.0	208.7	0.01	99.17
113.0-114.0	0.3	0.0	208.7	0.01	99.18
114.0-115.0	0.3	0.0	208.8	0.01	99.20
115.0-116.0	0.3	0.0	208.8	0.01	99.21
116.0-117.0	0.3	0.0	208.8	0.01	99.22
117.0-118.0	0.3	0.0	208.8	0.01	99.24
118.0-119.0	0.3	0.0	208.9	0.01	99.25
119.0-120.0	0.3	0.0	208.9	0.01	99.27
120.0-121.0	0.3	0.0	208.9	0.02	99.28
121.0-122.0	0.4	0.0	209.0	0.02	99.30
122.0-123.0	0.4	0.0	209.0	0.02	99.31
123.0-124.0	0.4	0.0	209.0	0.02	99.33
124.0-125.0	0.4	0.0	209.1	0.02	99.35
125.0-126.0	0.4	0.0	209.1	0.02	99.36
126.0-127.0	0.4	0.0	209.1	0.02	99.38
127.0-128.0	0.4	0.0	209.2	0.02	99.39
128.0-129.0	0.4	0.0	209.2	0.02	99.41
129.0-130.0	0.4	0.0	209.2	0.02	99.43
130.0-131.0	0.4	0.0	209.3	0.02	99.44
131.0-132.0	0.4	0.0	209.3	0.02	99.46
132.0-133.0	0.4	0.0	209.3	0.02	99.48
133.0-134.0	0.5	0.0	209.4	0.02	99.50
134.0-135.0	0.5	0.0	209.4	0.02	99.51
135.0-136.0	0.5	0.0	209.5	0.02	99.53
136.0-137.0	0.5	0.0	209.5	0.02	99.55
137.0-138.0	0.5	0.0	209.5	0.02	99.56
138.0-139.0	0.5	0.0	209.6	0.02	99.58
139.0-140.0	0.5	0.0	209.6	0.02	99.60
140.0-141.0	0.5	0.0	209.6	0.02	99.61
141.0-142.0	0.5	0.0	209.7	0.02	99.63
142.0-143.0	0.5	0.0	209.7	0.02	99.65
143.0-144.0	0.5	0.0	209.7	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	0.5	0.0	209.8	0.02	99.68
145.0-146.0	0.5	0.0	209.8	0.02	99.69
146.0-147.0	0.5	0.0	209.8	0.02	99.71
147.0-148.0	0.5	0.0	209.9	0.02	99.73
148.0-149.0	0.5	0.0	209.9	0.01	99.74
149.0-150.0	0.6	0.0	209.9	0.01	99.75
150.0-151.0	0.6	0.0	210.0	0.01	99.77
151.0-152.0	0.6	0.0	210.0	0.01	99.78
152.0-153.0	0.6	0.0	210.0	0.01	99.80
153.0-154.0	0.6	0.0	210.0	0.01	99.81
154.0-155.0	0.6	0.0	210.1	0.01	99.82
155.0-156.0	0.6	0.0	210.1	0.01	99.84
156.0-157.0	0.6	0.0	210.1	0.01	99.85
157.0-158.0	0.6	0.0	210.2	0.01	99.86
158.0-159.0	0.6	0.0	210.2	0.01	99.87
159.0-160.0	0.6	0.0	210.2	0.01	99.88
160.0-161.0	0.6	0.0	210.2	0.01	99.90
161.0-162.0	0.6	0.0	210.2	0.01	99.91
162.0-163.0	0.6	0.0	210.3	0.01	99.92
163.0-164.0	0.6	0.0	210.3	0.01	99.92
164.0-165.0	0.6	0.0	210.3	0.01	99.93
165.0-166.0	0.6	0.0	210.3	0.01	99.94
166.0-167.0	0.6	0.0	210.3	0.01	99.95
167.0-168.0	0.6	0.0	210.4	0.01	99.96
168.0-169.0	0.6	0.0	210.4	0.01	99.96
169.0-170.0	0.6	0.0	210.4	0.01	99.97
170.0-171.0	0.7	0.0	210.4	0.01	99.98
171.0-172.0	0.7	0.0	210.4	0.01	99.98
172.0-173.0	0.7	0.0	210.4	0.00	99.99
173.0-174.0	0.7	0.0	210.4	0.00	99.99
174.0-175.0	0.7	0.0	210.4	0.00	99.99
175.0-176.0	0.7	0.0	210.4	0.00	100.00
176.0-177.0	0.7	0.0	210.4	0.00	100.00
177.0-178.0	0.7	0.0	210.4	0.00	100.00
178.0-179.0	0.7	0.0	210.4	0.00	100.00
179.0-180.0	0.7	0.0	210.4	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: