GENLED Brands
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Report No.: **Test Time: 2023/9/13 14:42**

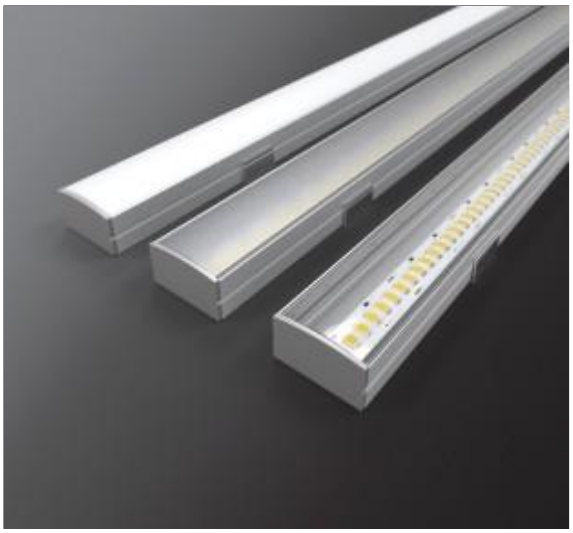
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAR3F90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 30.5**
Luminous Height (mm): 10.7 **Voltage: 24.0 V**
Current: 0.204 A **Power: 4.92 W**
Power Factor: 1.000

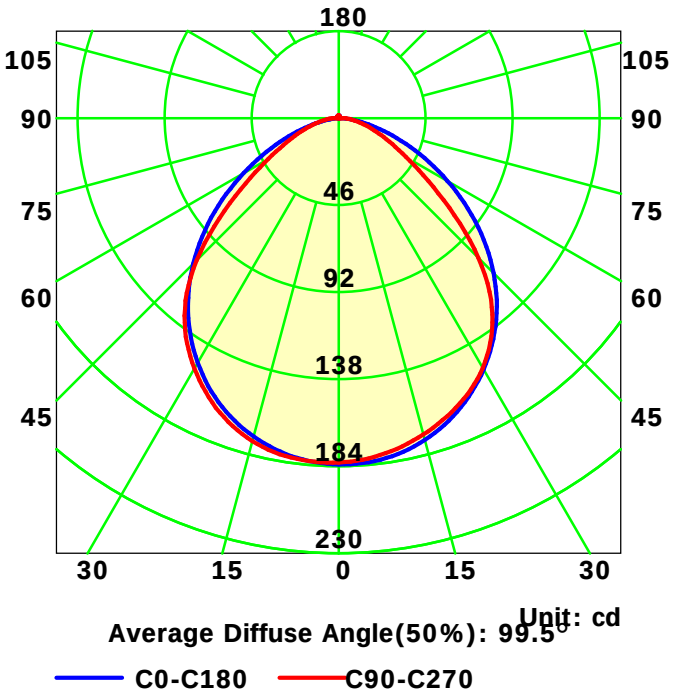
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 422.5 lm**
Measurement Flux: 422.5 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H151.2,H102.9
Vertical Diffuse Angle(10%,50%): V144.6,V96
Luminaire Efficacy Rating (LER): 86 **Central Intensity: 183.2 cd**
Max. Intensity: 183.47 cd **Pos of Max. Intensity: H240 V1**

Picture Of Luminaire

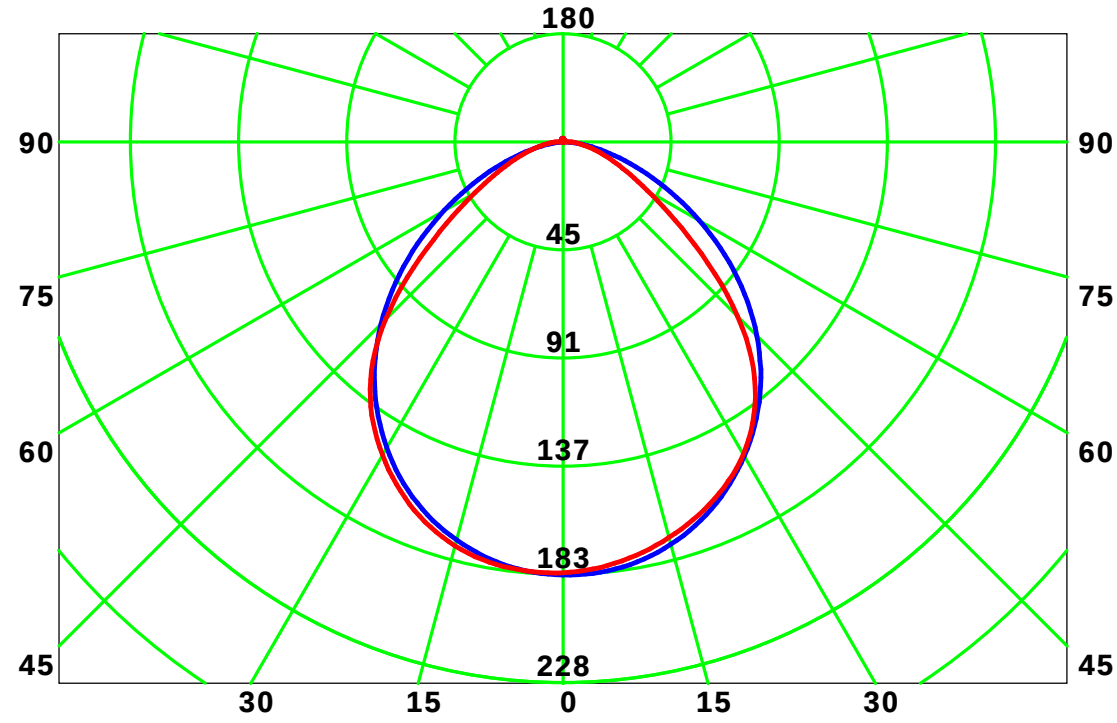


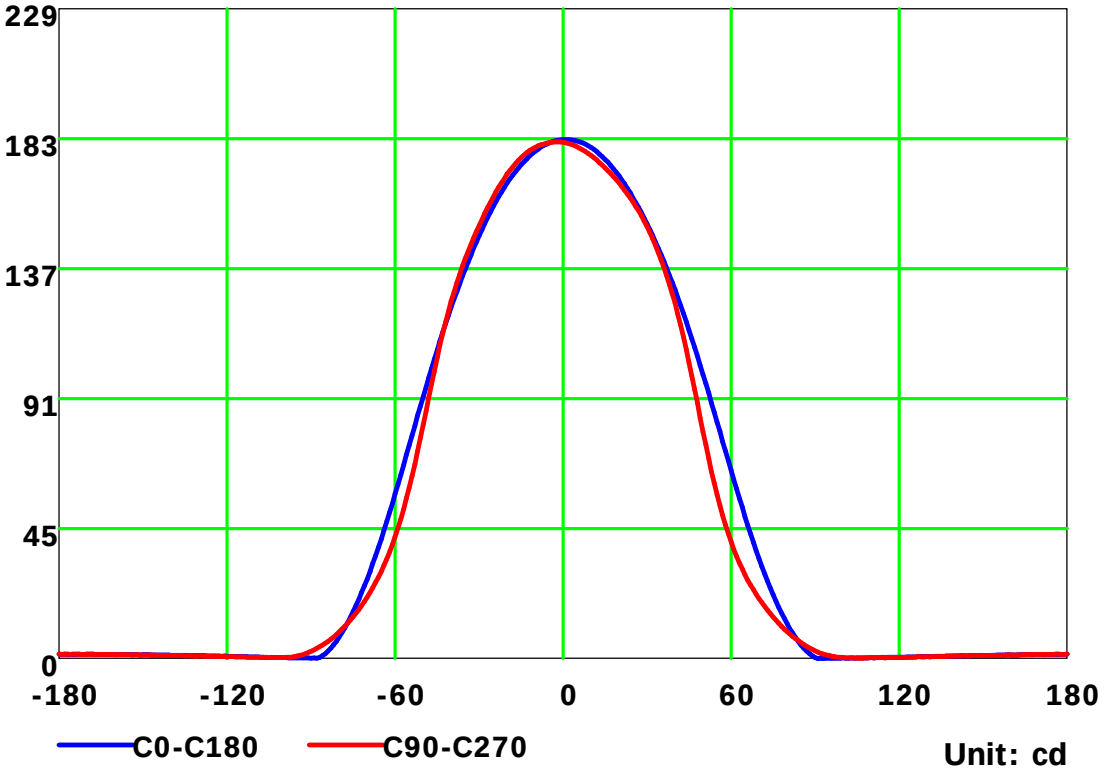
Luminous Intensity Distribution Curve



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

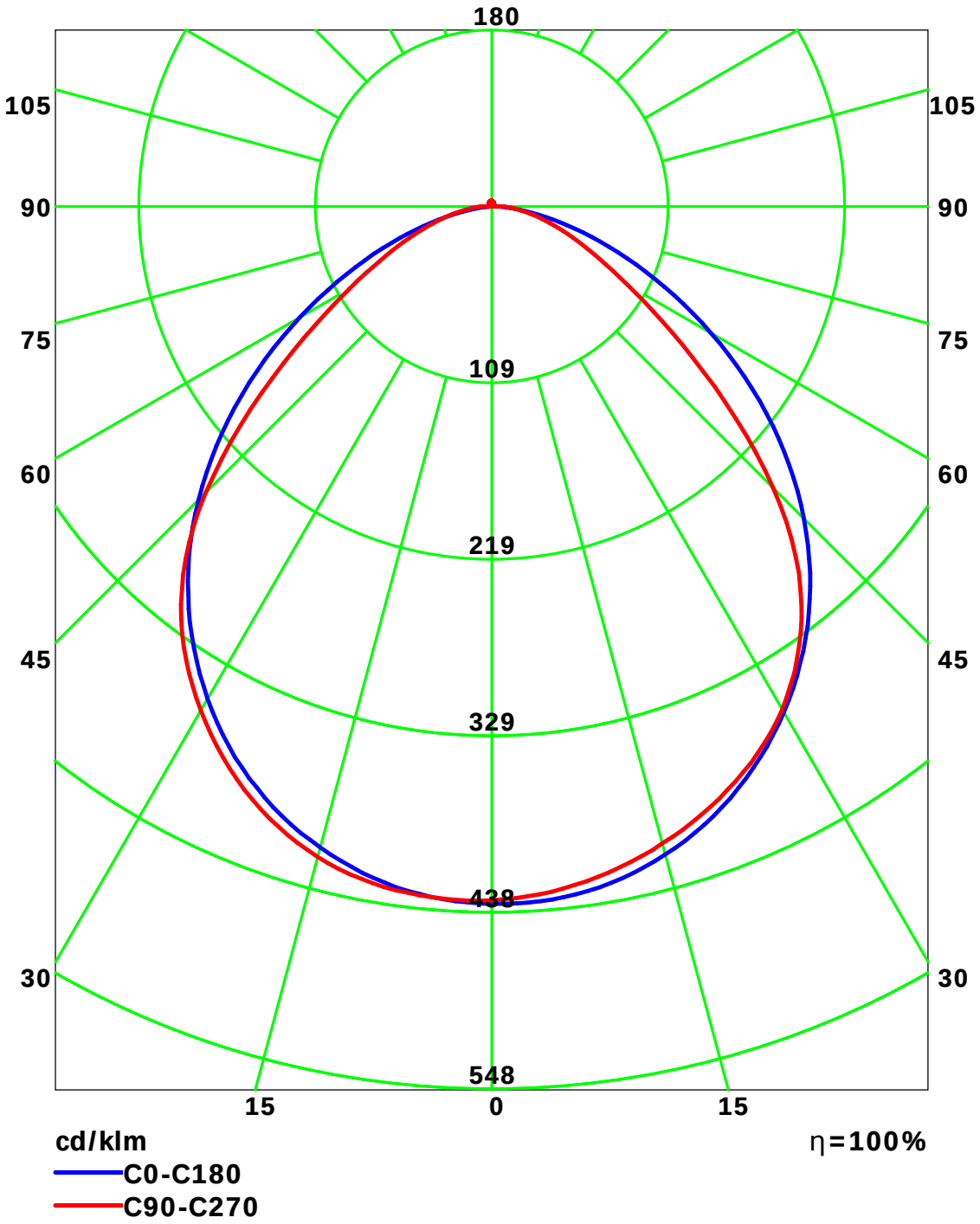




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

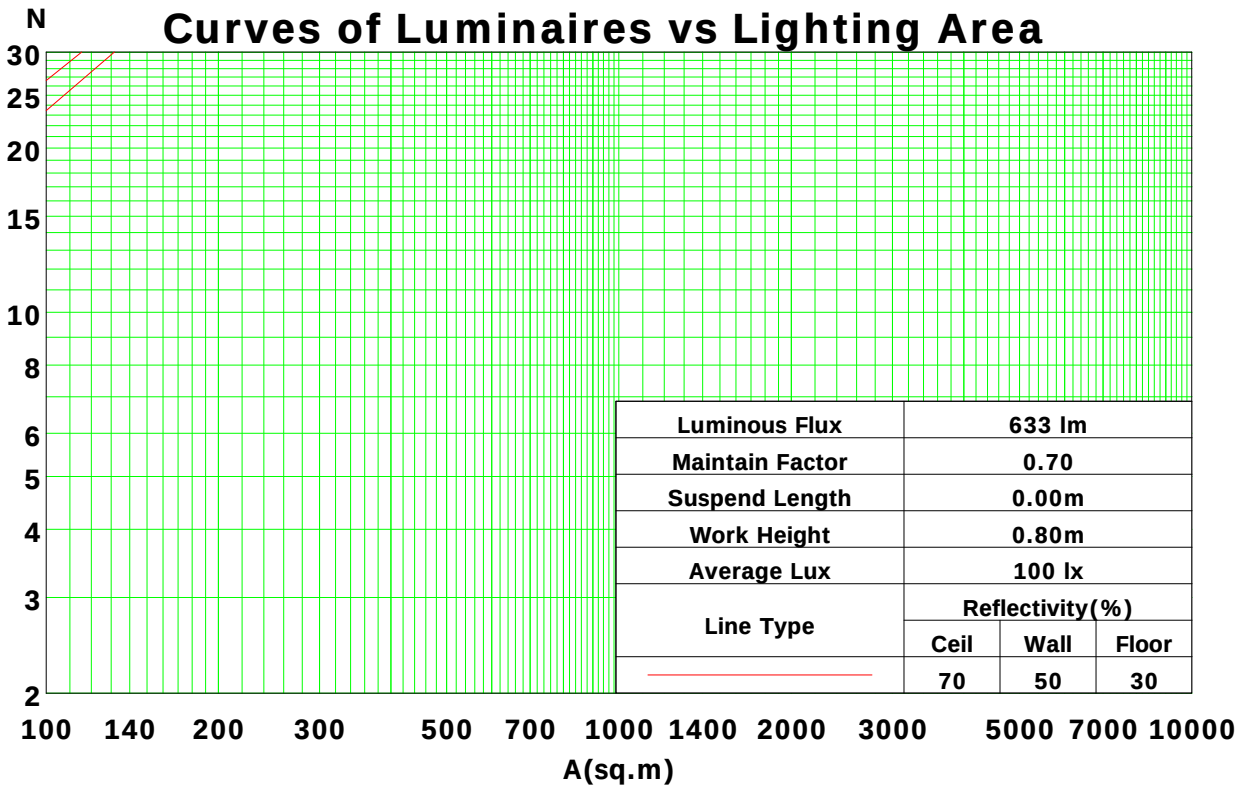
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	106	106	106	101	101	101	99
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	101	93	87	82	98	91	85	81	87	83	79	84	80	77	81	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	72	68	65	62
4	85	74	66	59	83	72	65	59	70	63	58	67	62	57	65	60	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	49	47
6	73	60	52	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	27

Spacing Criteria (0-180): 1.23
Spacing Criteria (90-270): 1.24
Spacing Criteria (Diagonal): 1.27

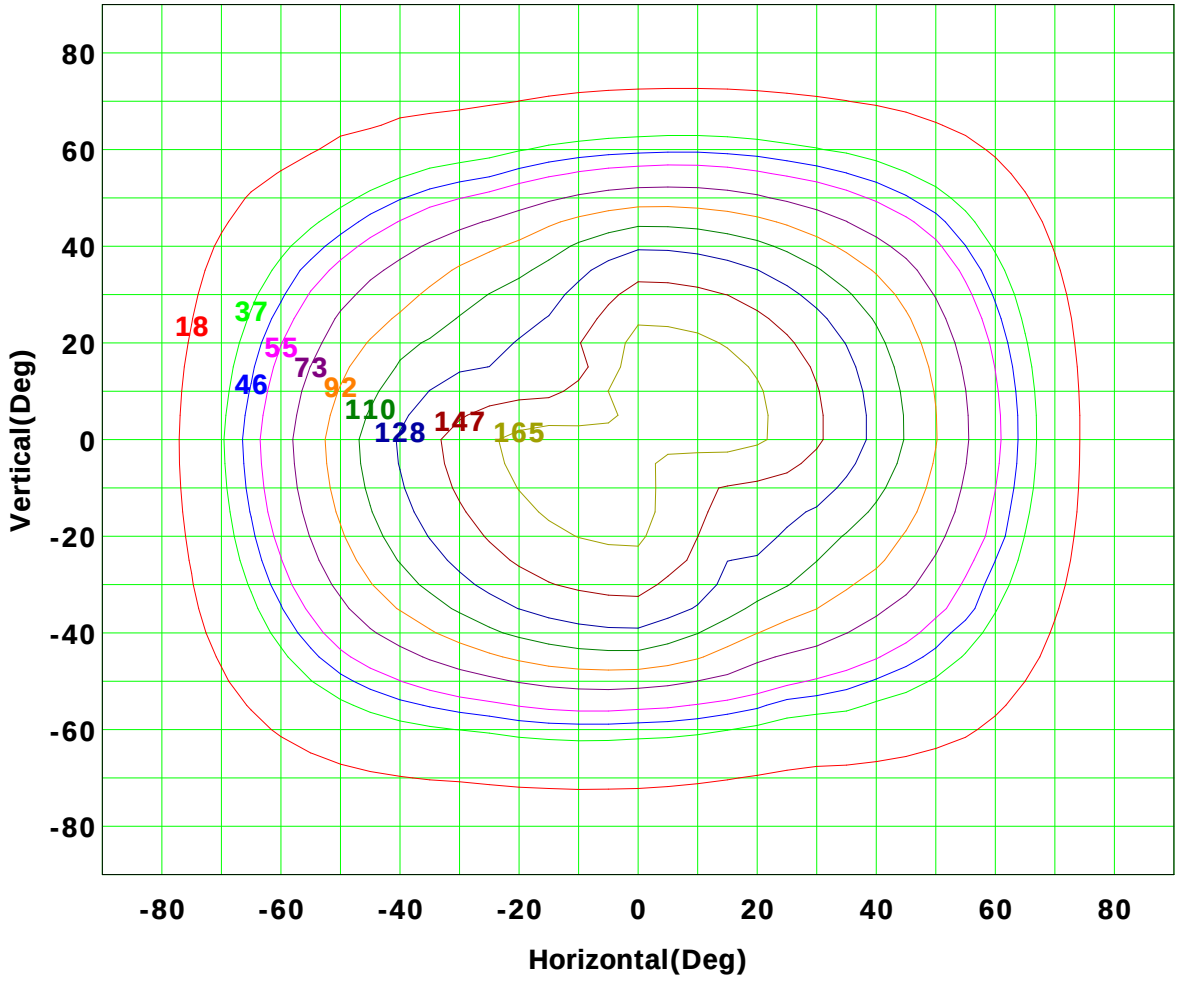
Curves of Luminaires vs Lighting Area



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)



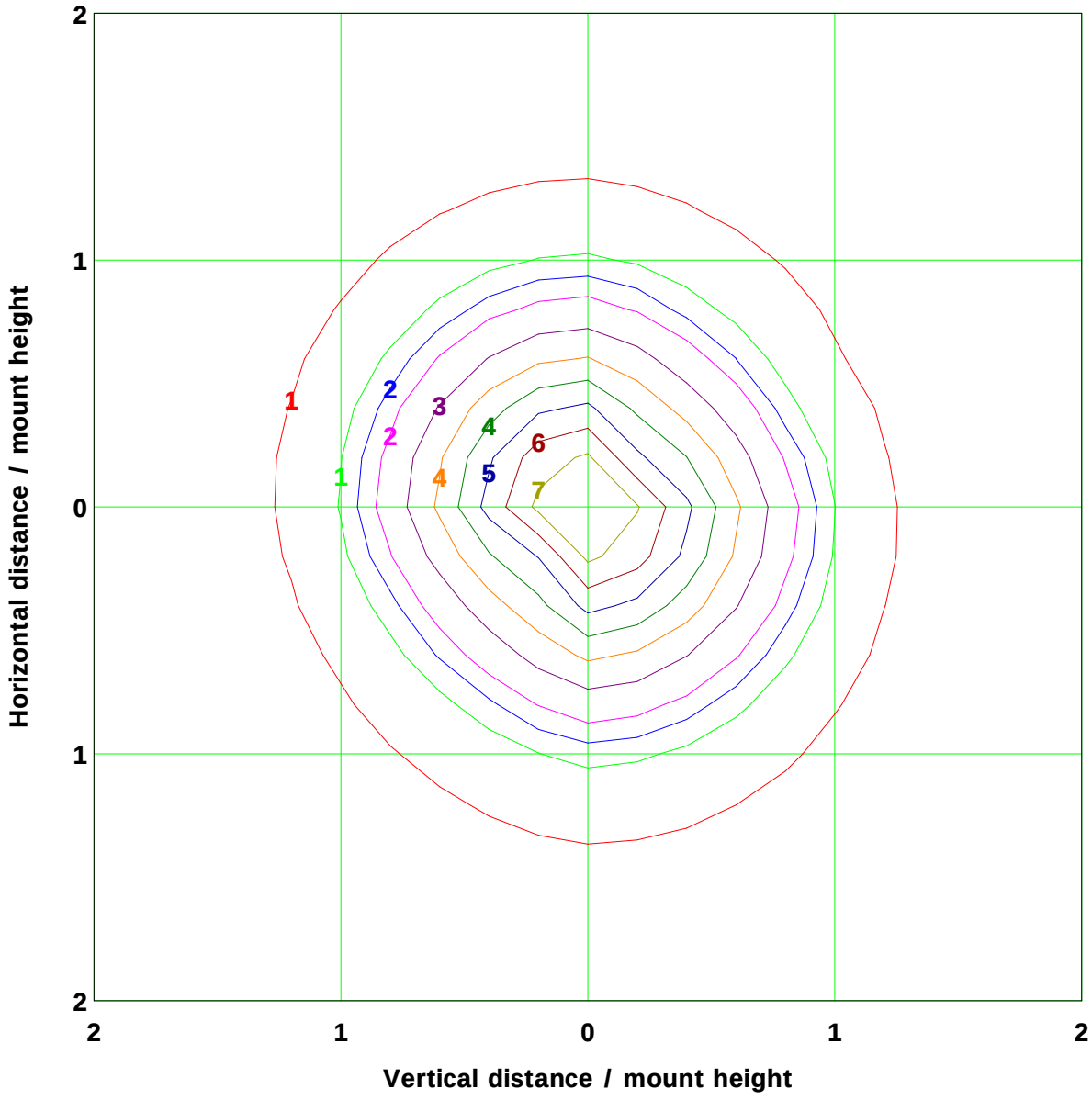
Imax (100%): 183 cd

(10%):	18 cd	(20%):	37 cd
(25%):	46 cd	(30%):	55 cd
(40%):	73 cd	(50%):	92 cd
(60%):	110 cd	(70%):	128 cd
(80%):	147 cd	(90%):	165 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%): 7.3 lx

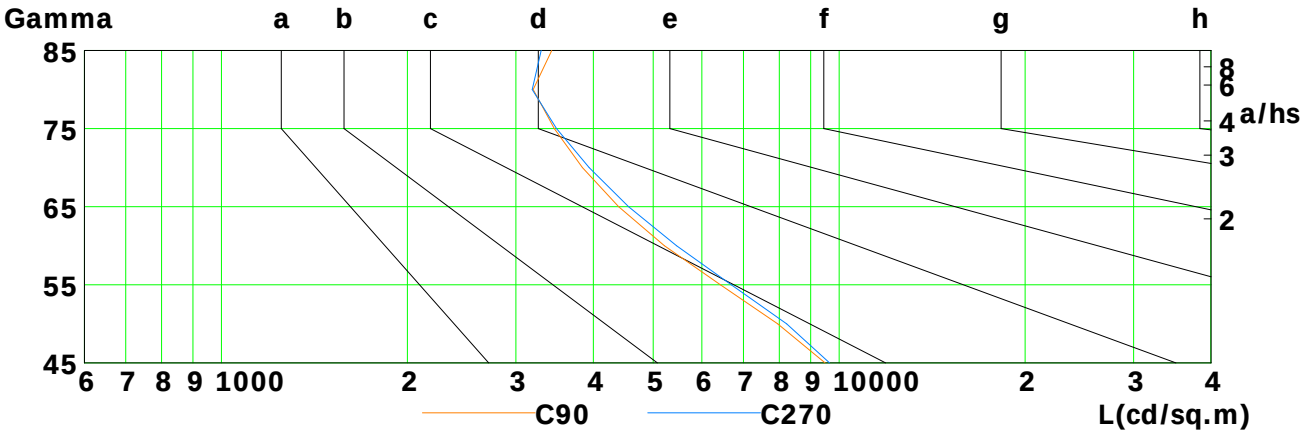
(10%): 0.7 lx	(20%): 1.5 lx
(25%): 1.8 lx	(30%): 2.2 lx
(40%): 2.9 lx	(50%): 3.7 lx
(60%): 4.4 lx	(70%): 5.1 lx
(80%): 5.9 lx	(90%): 6.6 lx

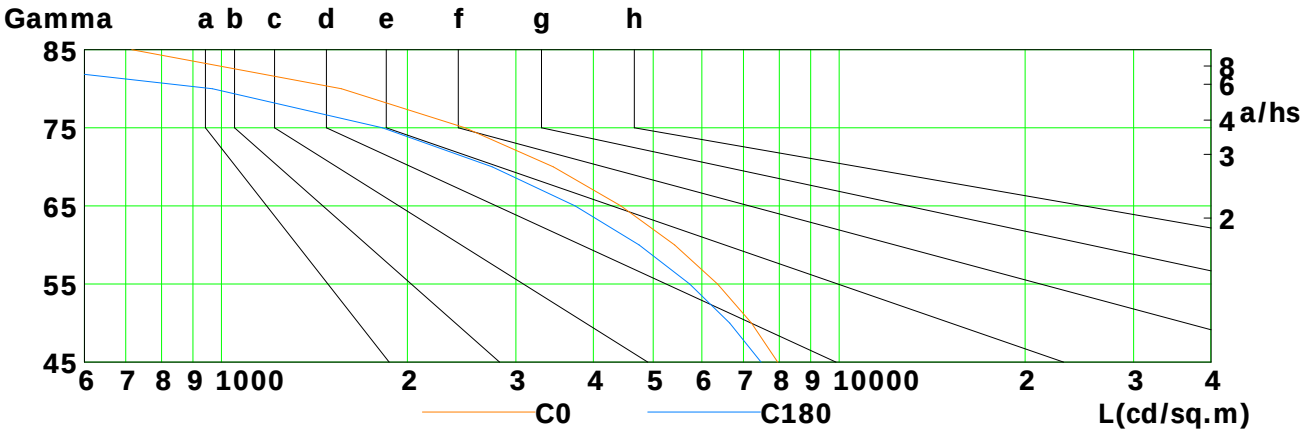
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

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



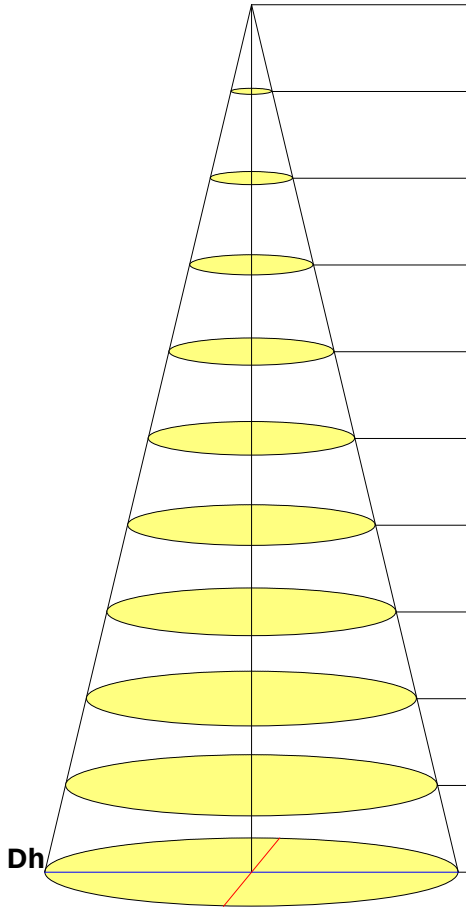


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7961	7215	6358	5422	4433	3446	2481	1565	716
C90	9488	7958	6426	5216	4397	3844	3458	3199	3428
C180	7482	6653	5731	4747	3739	2745	1822	968	266
C270	9655	8223	6694	5455	4565	3942	3489	3186	3295

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



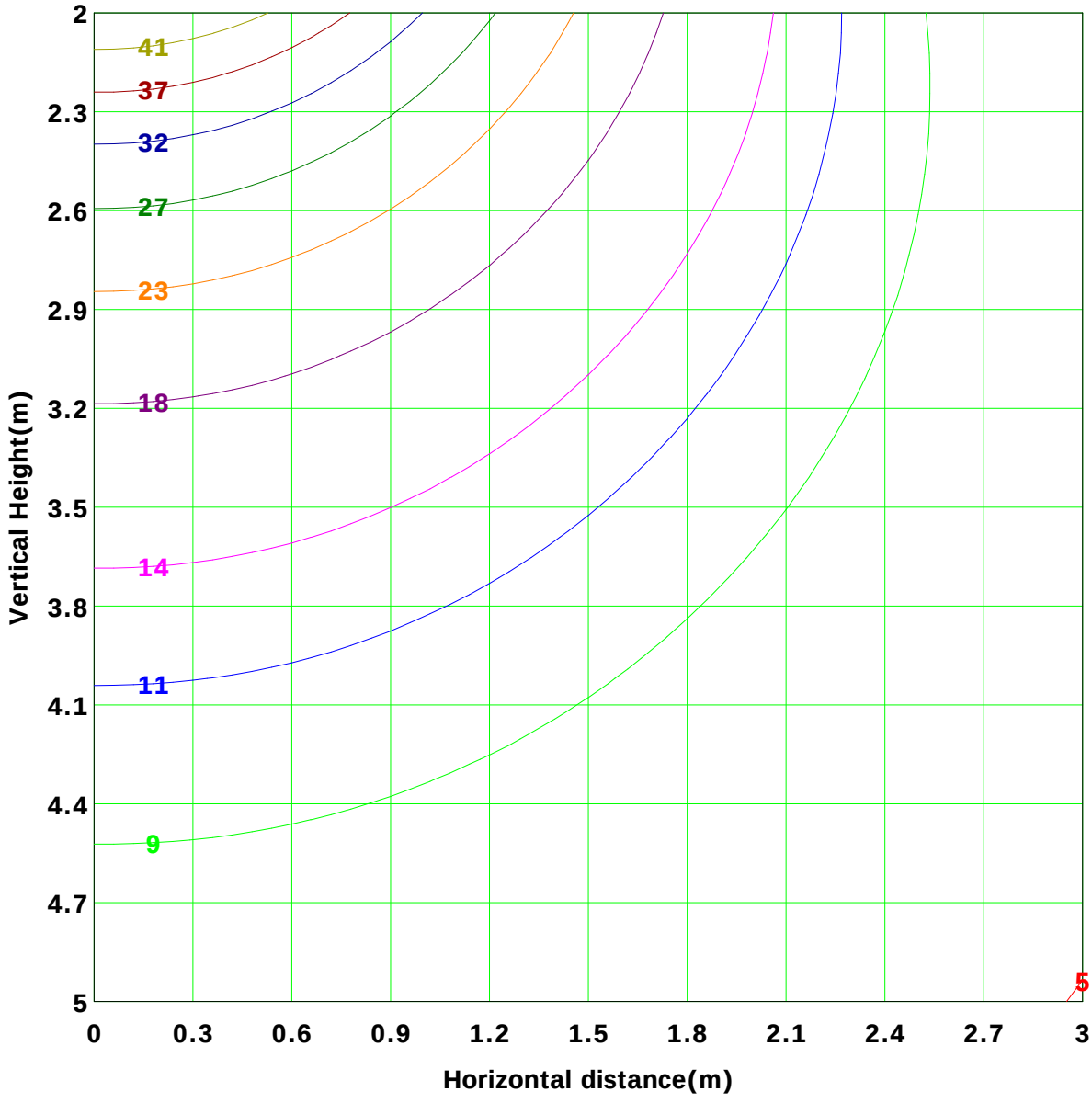
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	183.20	2.51/2.22	4.5	36.58
2.0	45.80	5.02/4.44	18.0	9.14
3.0	20.36	7.53/6.66	40.5	4.06
4.0	11.45	10.04/8.89	72.0	2.29
5.0	7.33	12.55/11.11	112.5	1.46
6.0	5.09	15.06/13.33	162.1	1.02
7.0	3.74	17.57/15.55	220.6	0.75
8.0	2.86	20.08/17.77	288.1	0.57
9.0	2.26	22.59/19.99	364.6	0.45
10.0	1.83	25.10/22.22	450.1	0.37

Beam Angle(B): H102.9 V96.0 Field Angle(F): H151.2 V144.6

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:

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 45.8 lx

(10%): 4.6 lx	(20%): 9.2 lx
(25%): 11.4 lx	(30%): 13.7 lx
(40%): 18.3 lx	(50%): 22.9 lx
(60%): 27.5 lx	(70%): 32.1 lx
(80%): 36.6 lx	(90%): 41.2 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

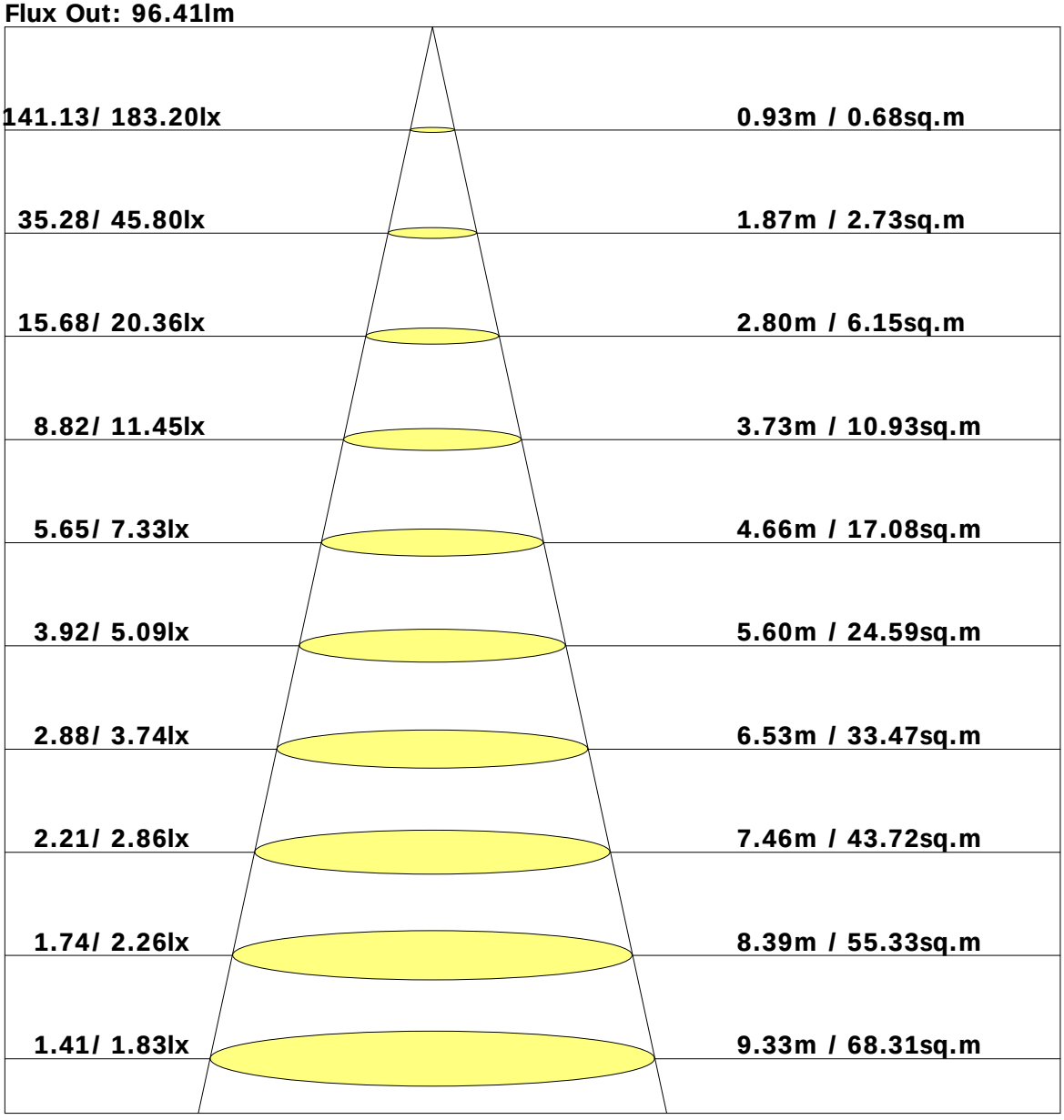
Horizontal plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
-80	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.4	0.5
-70	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	5.2	4.4
-60	0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.3	1.2	1.1	0.9	0.8	0.6	0.4	0.3	0.1	0.0	12.1	11.4
-50	0.0	0.1	0.2	0.5	0.8	1.2	1.7	2.0	2.2	2.3	2.1	1.8	1.5	1.1	0.7	0.4	0.2	0.1	0.0	21.2	20.4
-40	0.0	0.1	0.3	0.7	1.2	1.8	2.5	3.0	3.3	3.4	2.9	2.5	2.1	1.5	1.0	0.7	0.3	0.1	0.0	30.6	29.6
-30	0.0	0.1	0.4	0.8	1.5	2.5	3.3	3.9	4.3	4.4	3.6	3.3	2.7	2.0	1.2	0.8	0.3	0.1	0.0	39.2	38.2
-20	0.0	0.1	0.4	0.9	1.8	2.9	3.9	4.6	5.0	5.1	4.2	3.9	3.4	2.5	1.5	0.8	0.4	0.2	0.0	46.3	45.3
-10	0.0	0.2	0.5	1.0	1.9	3.2	4.2	4.9	5.3	5.5	4.8	4.6	4.0	3.0	1.7	0.9	0.4	0.2	0.0	51.2	50.1
0	0.0	0.2	0.4	0.9	1.8	3.1	4.2	4.6	4.8	5.0	5.5	4.9	4.2	3.1	1.8	0.9	0.5	0.2	0.0	51.1	50.1
10	0.0	0.1	0.4	0.8	1.6	2.6	3.8	4.1	4.6	5.1	4.9	4.5	3.9	2.9	1.7	0.9	0.4	0.2	0.0	46.0	45.0
20	0.0	0.1	0.3	0.7	1.2	2.1	3.3	3.6	4.2	4.4	4.2	3.9	3.3	2.4	1.5	0.8	0.4	0.1	0.0	39.3	38.3
30	0.0	0.1	0.3	0.7	1.1	1.6	2.6	3.0	3.4	3.5	3.3	3.0	2.6	1.9	1.2	0.7	0.3	0.1	0.0	31.1	30.2
40	0.0	0.1	0.2	0.5	0.7	1.1	1.8	2.2	2.4	2.5	2.3	2.1	1.8	1.3	0.8	0.5	0.3	0.1	0.0	22.0	21.1
50	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.5	1.4	1.2	1.0	0.8	0.5	0.3	0.2	0.1	0.0	13.0	12.2
60	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.6	0.6	0.7	0.6	0.5	0.5	0.3	0.3	0.2	0.1	0.0	0.0	6.0	5.2
70	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.8	1.0
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	0.0	0.2	0.0
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	418	
Flux(T)	0.1	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	1.5		0.0
Flux(E)	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	403	

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: 96.41lm



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	21.9	23.4	22.3	23.8	24.1	18.9	20.4	19.3	20.8	21.1
3H	23.3	24.7	23.7	25.0	25.4	19.8	21.2	20.2	21.5	21.9
4H	23.8	25.0	24.2	25.4	25.8	20.1	21.4	20.5	21.8	22.2
6H	24.0	25.2	24.5	25.6	26.0	20.3	21.5	20.8	21.9	22.3
8H	24.1	25.2	24.6	25.7	26.1	20.4	21.5	20.8	21.9	22.3
12H	24.2	25.2	24.6	25.6	26.1	20.4	21.5	20.9	21.9	22.4
X=4H Y=2H	22.1	23.4	22.5	23.7	24.1	19.5	20.8	19.9	21.2	21.6
3H	23.6	24.7	24.0	25.1	25.5	20.5	21.6	21.0	22.0	22.4
4H	24.1	25.1	24.6	25.5	26.0	20.9	21.9	21.4	22.3	22.8
6H	24.5	25.3	25.0	25.8	26.3	21.2	22.0	21.7	22.5	23.0
8H	24.6	25.4	25.1	25.9	26.4	21.3	22.0	21.8	22.5	23.0
12H	24.7	25.4	25.2	25.9	26.4	21.3	22.0	21.8	22.5	23.0
X=8H Y=4H	24.2	24.9	24.6	25.4	25.9	21.2	21.9	21.6	22.4	22.9
6H	24.6	25.2	25.1	25.7	26.2	21.5	22.1	22.0	22.6	23.1
8H	24.7	25.3	25.2	25.8	26.3	21.6	22.2	22.1	22.7	23.2
12H	24.8	25.3	25.3	25.8	26.4	21.7	22.2	22.3	22.7	23.3
X=12H Y=4H	24.1	24.8	24.6	25.3	25.8	21.2	21.9	21.7	22.4	22.9
6H	24.6	25.1	25.1	25.6	26.2	21.5	22.1	22.1	22.6	23.2
8H	24.7	25.2	25.2	25.7	26.3	21.7	22.2	22.2	22.7	23.3

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	0.61	0.72	0.79	0.84	0.90	0.95	0.98	1.02	1.05
	0.30		0.54	0.65	0.72	0.77	0.85	0.90	0.94	0.98	1.02
	0.20		0.49	0.59	0.67	0.72	0.80	0.86	0.90	0.95	0.99
0.50	0.50	0.20	0.60	0.70	0.76	0.81	0.87	0.91	0.94	0.98	1.00
	0.30		0.53	0.63	0.70	0.76	0.83	0.87	0.91	0.95	0.98
	0.20		0.48	0.59	0.66	0.71	0.79	0.84	0.87	0.92	0.96
0.30	0.50	0.20	0.58	0.68	0.74	0.78	0.84	0.88	0.91	0.94	0.96
	0.30		0.52	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.94
	0.20		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.92
0.00	0.00	0.00	0.46	0.55	0.62	0.67	0.73	0.78	0.81	0.85	0.88

Rating:5W 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	0.92	0.75	0.63	0.55	0.43	0.36	0.31	0.24	0.19
	0.30		0.77	0.64	0.55	0.48	0.39	0.33	0.28	0.22	0.18
	0.20		0.66	0.56	0.49	0.43	0.36	0.30	0.26	0.21	0.17
0.50	0.50	0.20	0.89	0.72	0.60	0.52	0.41	0.37	0.29	0.22	0.18
	0.30		0.75	0.62	0.53	0.47	0.38	0.31	0.27	0.21	0.17
	0.20		0.65	0.55	0.48	0.42	0.35	0.29	0.25	0.20	0.17
0.30	0.50	0.20	0.86	0.69	0.58	0.50	0.39	0.32	0.27	0.21	0.17
	0.30		0.73	0.60	0.52	0.45	0.36	0.30	0.26	0.20	0.17
	0.20		0.64	0.54	0.47	0.41	0.34	0.28	0.24	0.19	0.16
0.00	0.00	0.00	0.53	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.12

Rating:5W 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	0.18	0.19	0.19	0.20	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	0.08	0.09	0.10	0.13	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20	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	0.15	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:5W 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	170.8	0.2	0.2	0.04	0.04
1.0-2.0	170.9	0.5	0.7	0.12	0.15
2.0-3.0	171.3	0.8	1.5	0.19	0.35
3.0-4.0	171.6	1.1	2.6	0.27	0.62
4.0-5.0	171.5	1.5	4.1	0.35	0.97
5.0-6.0	172.2	1.8	5.9	0.43	1.40
6.0-7.0	172.9	2.1	8.1	0.51	1.91
7.0-8.0	172.6	2.5	10.5	0.58	2.49
8.0-9.0	172.2	2.8	13.3	0.66	3.15
9.0-10.0	171.8	3.1	16.4	0.74	3.89
10.0-11.0	171.2	3.4	19.8	0.81	4.70
11.0-12.0	170.4	3.7	23.6	0.88	5.58
12.0-13.0	169.5	4.0	27.6	0.95	6.53
13.0-14.0	168.4	4.3	31.9	1.02	7.55
14.0-15.0	166.9	4.6	36.5	1.08	8.64
15.0-16.0	165.6	4.9	41.3	1.15	9.79
16.0-17.0	164.6	5.1	46.5	1.21	11.00
17.0-18.0	163.5	5.4	51.9	1.28	12.27
18.0-19.0	162.3	5.6	57.5	1.34	13.61
19.0-20.0	161.1	5.9	63.4	1.40	15.01
20.0-21.0	160.1	6.1	69.6	1.46	16.46
21.0-22.0	159.0	6.4	75.9	1.51	17.98
22.0-23.0	157.7	6.6	82.6	1.57	19.54
23.0-24.0	156.1	6.8	89.4	1.62	21.16
24.0-25.0	154.3	7.0	96.4	1.66	22.82
25.0-26.0	152.6	7.2	103.6	1.70	24.52
26.0-27.0	150.9	7.4	111.0	1.75	26.27
27.0-28.0	149.0	7.5	118.5	1.79	28.06
28.0-29.0	147.0	7.7	126.2	1.82	29.88
29.0-30.0	144.9	7.8	134.1	1.85	31.73
30.0-31.0	143.1	8.0	142.0	1.89	33.62
31.0-32.0	141.3	8.1	150.1	1.92	35.53
32.0-33.0	139.1	8.2	158.3	1.94	37.47
33.0-34.0	137.0	8.3	166.6	1.96	39.44
34.0-35.0	134.9	8.4	175.0	1.98	41.42
35.0-36.0	132.5	8.4	183.4	2.00	43.42

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	129.7	8.5	191.9	2.00	45.42
37.0-38.0	127.0	8.5	200.4	2.01	47.43
38.0-39.0	124.4	8.5	208.9	2.01	49.44
39.0-40.0	121.5	8.5	217.3	2.01	51.44
40.0-41.0	118.4	8.4	225.8	2.00	53.44
41.0-42.0	115.3	8.4	234.1	1.98	55.42
42.0-43.0	112.2	8.3	242.5	1.97	57.39
43.0-44.0	109.4	8.3	250.7	1.95	59.34
44.0-45.0	106.1	8.2	258.9	1.93	61.27
45.0-46.0	102.6	8.0	266.9	1.90	63.17
46.0-47.0	99.1	7.9	274.8	1.87	65.04
47.0-48.0	95.4	7.7	282.5	1.83	66.86
48.0-49.0	91.6	7.5	290.0	1.78	68.64
49.0-50.0	87.9	7.3	297.3	1.74	70.38
50.0-51.0	84.3	7.1	304.5	1.69	72.07
51.0-52.0	80.9	6.9	311.4	1.64	73.71
52.0-53.0	77.2	6.7	318.1	1.59	75.30
53.0-54.0	73.4	6.5	324.6	1.53	76.83
54.0-55.0	69.8	6.2	330.8	1.47	78.31
55.0-56.0	66.1	6.0	336.8	1.41	79.72
56.0-57.0	62.5	5.7	342.5	1.35	81.07
57.0-58.0	58.9	5.5	348.0	1.29	82.36
58.0-59.0	55.6	5.2	353.2	1.23	83.59
59.0-60.0	52.3	4.9	358.1	1.17	84.76
60.0-61.0	49.3	4.7	362.8	1.11	85.88
61.0-62.0	46.4	4.5	367.3	1.06	86.94
62.0-63.0	43.5	4.2	371.5	1.00	87.94
63.0-64.0	40.5	4.0	375.5	0.94	88.88
64.0-65.0	37.9	3.8	379.2	0.89	89.77
65.0-66.0	35.4	3.5	382.8	0.84	90.60
66.0-67.0	33.0	3.3	386.1	0.78	91.39
67.0-68.0	30.7	3.1	389.2	0.74	92.12
68.0-69.0	28.5	2.9	392.1	0.69	92.81
69.0-70.0	26.4	2.7	394.8	0.64	93.46
70.0-71.0	24.4	2.5	397.4	0.60	94.05
71.0-72.0	22.4	2.3	399.7	0.55	94.60

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	20.6	2.2	401.8	0.51	95.11
73.0-74.0	18.9	2.0	403.8	0.47	95.58
74.0-75.0	17.3	1.8	405.7	0.43	96.02
75.0-76.0	15.7	1.7	407.3	0.40	96.41
76.0-77.0	14.2	1.5	408.8	0.36	96.77
77.0-78.0	12.8	1.4	410.2	0.32	97.10
78.0-79.0	11.5	1.2	411.4	0.29	97.39
79.0-80.0	10.2	1.1	412.5	0.26	97.65
80.0-81.0	9.0	1.0	413.5	0.23	97.88
81.0-82.0	7.8	0.8	414.4	0.20	98.08
82.0-83.0	6.7	0.7	415.1	0.17	98.25
83.0-84.0	5.8	0.6	415.7	0.15	98.40
84.0-85.0	4.9	0.5	416.2	0.13	98.53
85.0-86.0	4.1	0.4	416.7	0.11	98.63
86.0-87.0	3.4	0.4	417.1	0.09	98.72
87.0-88.0	2.8	0.3	417.4	0.07	98.79
88.0-89.0	2.2	0.2	417.6	0.06	98.85
89.0-90.0	1.7	0.2	417.8	0.05	98.89
90.0-91.0	1.4	0.1	418.0	0.04	98.93
91.0-92.0	1.1	0.1	418.1	0.03	98.96
92.0-93.0	0.9	0.1	418.2	0.02	98.98
93.0-94.0	0.7	0.1	418.2	0.02	99.00
94.0-95.0	0.6	0.1	418.3	0.01	99.01
95.0-96.0	0.5	0.1	418.4	0.01	99.02
96.0-97.0	0.4	0.0	418.4	0.01	99.03
97.0-98.0	0.3	0.0	418.4	0.01	99.04
98.0-99.0	0.3	0.0	418.5	0.01	99.05
99.0-100.0	0.3	0.0	418.5	0.01	99.06
100.0-101.0	0.3	0.0	418.5	0.01	99.06
101.0-102.0	0.3	0.0	418.6	0.01	99.07
102.0-103.0	0.3	0.0	418.6	0.01	99.08
103.0-104.0	0.3	0.0	418.6	0.01	99.09
104.0-105.0	0.3	0.0	418.7	0.01	99.10
105.0-106.0	0.3	0.0	418.7	0.01	99.10
106.0-107.0	0.3	0.0	418.7	0.01	99.11
107.0-108.0	0.4	0.0	418.8	0.01	99.12

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	0.4	0.0	418.8	0.01	99.13
109.0-110.0	0.4	0.0	418.9	0.01	99.14
110.0-111.0	0.4	0.0	418.9	0.01	99.15
111.0-112.0	0.4	0.0	418.9	0.01	99.16
112.0-113.0	0.5	0.0	419.0	0.01	99.17
113.0-114.0	0.5	0.0	419.0	0.01	99.19
114.0-115.0	0.5	0.0	419.1	0.01	99.20
115.0-116.0	0.5	0.1	419.1	0.01	99.21
116.0-117.0	0.5	0.1	419.2	0.01	99.22
117.0-118.0	0.6	0.1	419.2	0.01	99.23
118.0-119.0	0.6	0.1	419.3	0.01	99.25
119.0-120.0	0.6	0.1	419.4	0.01	99.26
120.0-121.0	0.6	0.1	419.4	0.01	99.27
121.0-122.0	0.6	0.1	419.5	0.01	99.29
122.0-123.0	0.7	0.1	419.5	0.01	99.30
123.0-124.0	0.7	0.1	419.6	0.01	99.32
124.0-125.0	0.7	0.1	419.7	0.01	99.33
125.0-126.0	0.7	0.1	419.7	0.02	99.35
126.0-127.0	0.7	0.1	419.8	0.02	99.36
127.0-128.0	0.8	0.1	419.9	0.02	99.38
128.0-129.0	0.8	0.1	419.9	0.02	99.39
129.0-130.0	0.8	0.1	420.0	0.02	99.41
130.0-131.0	0.8	0.1	420.1	0.02	99.43
131.0-132.0	0.8	0.1	420.1	0.02	99.44
132.0-133.0	0.9	0.1	420.2	0.02	99.46
133.0-134.0	0.9	0.1	420.3	0.02	99.48
134.0-135.0	0.9	0.1	420.3	0.02	99.49
135.0-136.0	0.9	0.1	420.4	0.02	99.51
136.0-137.0	0.9	0.1	420.5	0.02	99.53
137.0-138.0	1.0	0.1	420.5	0.02	99.54
138.0-139.0	1.0	0.1	420.6	0.02	99.56
139.0-140.0	1.0	0.1	420.7	0.02	99.58
140.0-141.0	1.0	0.1	420.8	0.02	99.59
141.0-142.0	1.0	0.1	420.8	0.02	99.61
142.0-143.0	1.0	0.1	420.9	0.02	99.63
143.0-144.0	1.1	0.1	421.0	0.02	99.64

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	1.1	0.1	421.0	0.02	99.66
145.0-146.0	1.1	0.1	421.1	0.02	99.67
146.0-147.0	1.1	0.1	421.2	0.02	99.69
147.0-148.0	1.1	0.1	421.2	0.02	99.71
148.0-149.0	1.2	0.1	421.3	0.02	99.72
149.0-150.0	1.2	0.1	421.4	0.02	99.74
150.0-151.0	1.2	0.1	421.4	0.02	99.75
151.0-152.0	1.2	0.1	421.5	0.01	99.77
152.0-153.0	1.2	0.1	421.6	0.01	99.78
153.0-154.0	1.2	0.1	421.6	0.01	99.80
154.0-155.0	1.3	0.1	421.7	0.01	99.81
155.0-156.0	1.3	0.1	421.7	0.01	99.82
156.0-157.0	1.3	0.1	421.8	0.01	99.84
157.0-158.0	1.3	0.1	421.8	0.01	99.85
158.0-159.0	1.3	0.1	421.9	0.01	99.86
159.0-160.0	1.3	0.1	421.9	0.01	99.87
160.0-161.0	1.3	0.0	422.0	0.01	99.89
161.0-162.0	1.4	0.0	422.0	0.01	99.90
162.0-163.0	1.4	0.0	422.1	0.01	99.91
163.0-164.0	1.4	0.0	422.1	0.01	99.92
164.0-165.0	1.4	0.0	422.2	0.01	99.93
165.0-166.0	1.4	0.0	422.2	0.01	99.94
166.0-167.0	1.4	0.0	422.2	0.01	99.94
167.0-168.0	1.4	0.0	422.3	0.01	99.95
168.0-169.0	1.4	0.0	422.3	0.01	99.96
169.0-170.0	1.5	0.0	422.3	0.01	99.97
170.0-171.0	1.4	0.0	422.4	0.01	99.97
171.0-172.0	1.4	0.0	422.4	0.01	99.98
172.0-173.0	1.5	0.0	422.4	0.00	99.98
173.0-174.0	1.5	0.0	422.4	0.00	99.99
174.0-175.0	1.5	0.0	422.4	0.00	99.99
175.0-176.0	1.5	0.0	422.5	0.00	99.99
176.0-177.0	1.5	0.0	422.5	0.00	100.00
177.0-178.0	1.5	0.0	422.5	0.00	100.00
178.0-179.0	1.5	0.0	422.5	0.00	100.00
179.0-180.0	1.5	0.0	422.5	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: