GENLED Brands
www.genledbrands.com
Tel:+1 212 629 6830
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Report No.: **Test Time: 2023/8/30 09:56**

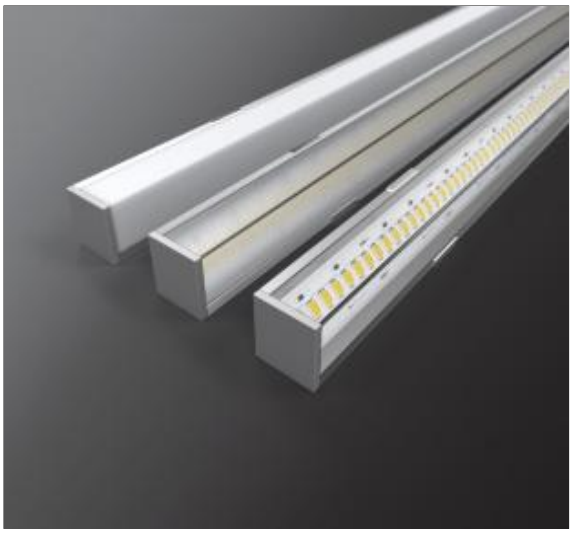
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAC1M90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 16**
Luminous Height (mm): 16 **Voltage: 24.0 V**
Current: 0.204 A **Power: 4.92 W**
Power Factor: 1.000

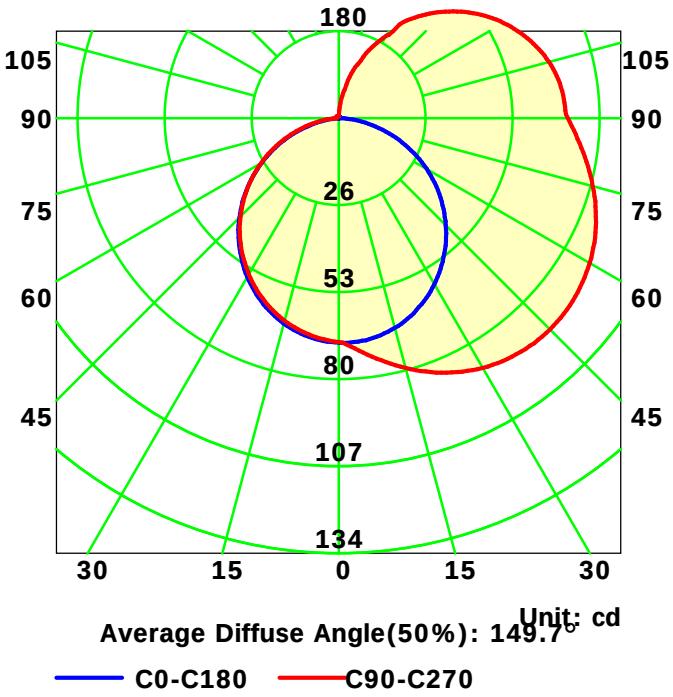
Photometric Results

CIE Class: Semi-Direct **Total Rated Lamp Lumens: 385.4 lm**
Measurement Flux: 385.4 lm **Efficiency: 100%**
Downward Ratio: 75% **Upward Ratio: 25%**
Horizontal Diffuse Angle(10%,50%): H159.6,H110.4
Vertical Diffuse Angle(10%,50%): V247.5,V189
Luminaire Efficacy Rating (LER): 78 **Central Intensity: 69.59 cd**
Max. Intensity: 92.59 cd **Pos of Max. Intensity: H90 V45**

Picture Of Luminaire

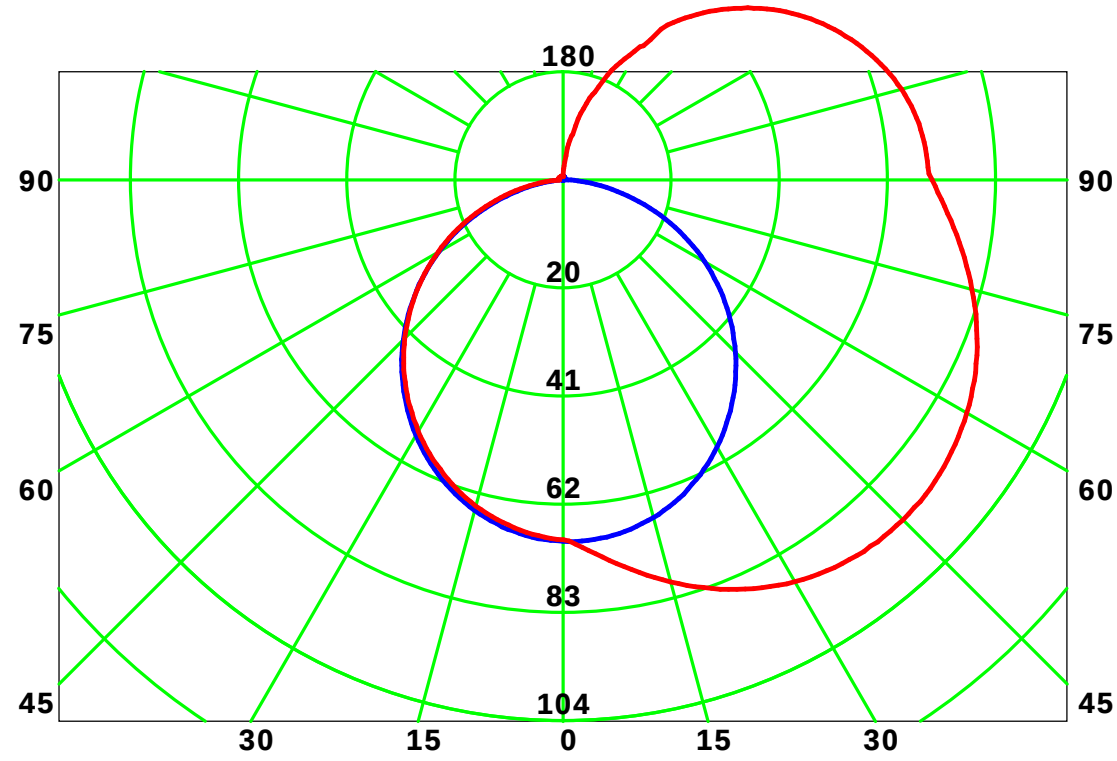


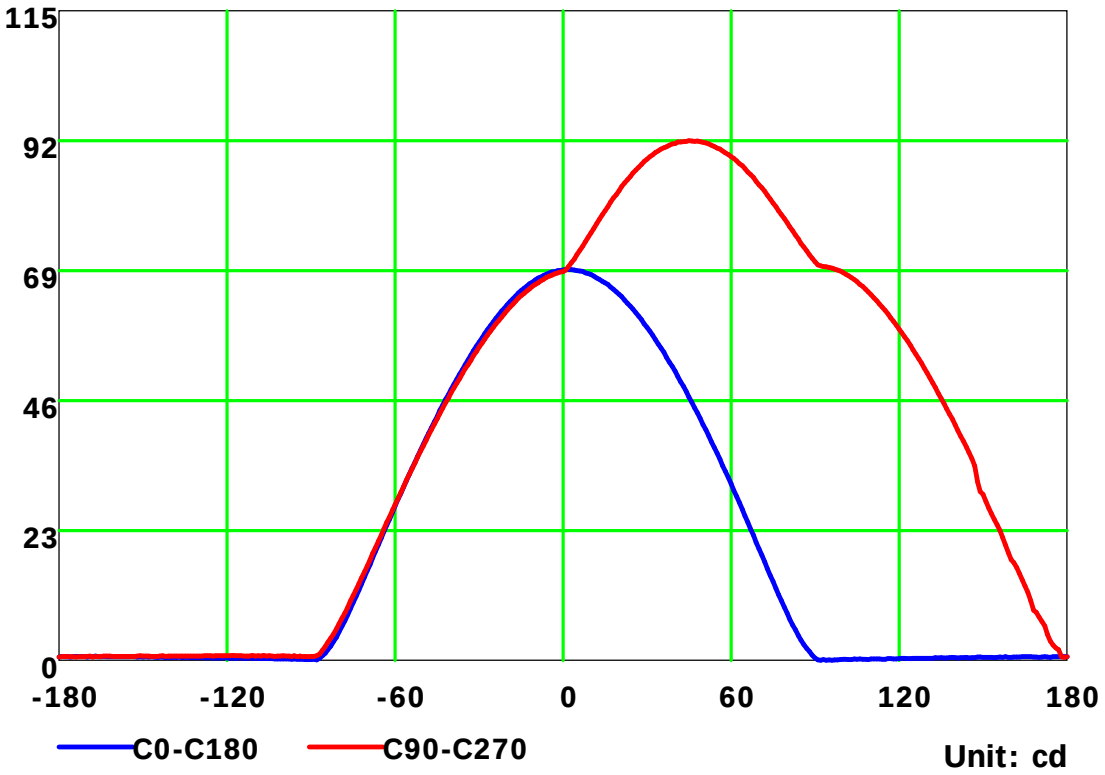
Luminous Intensity Distribution Curve



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

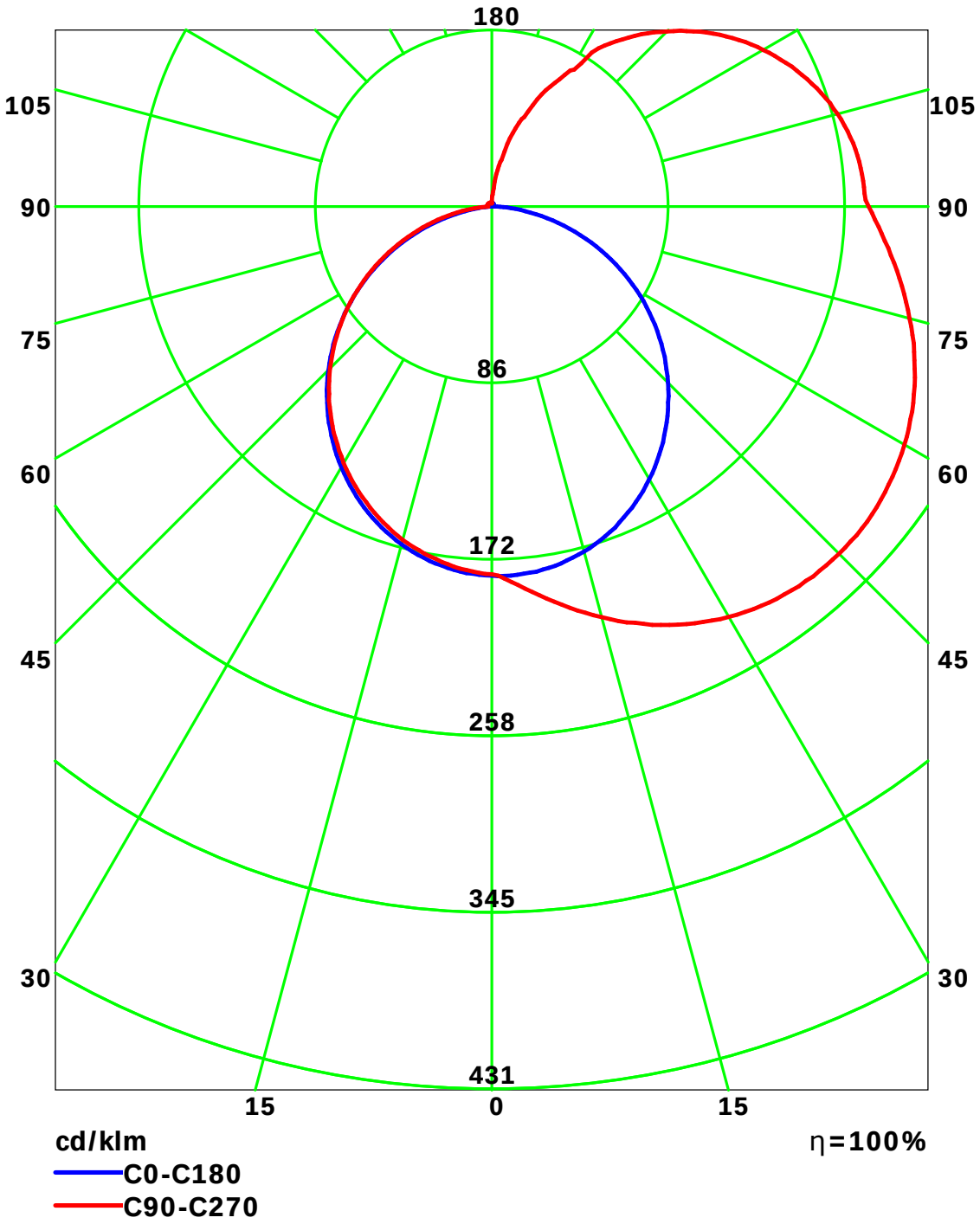




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

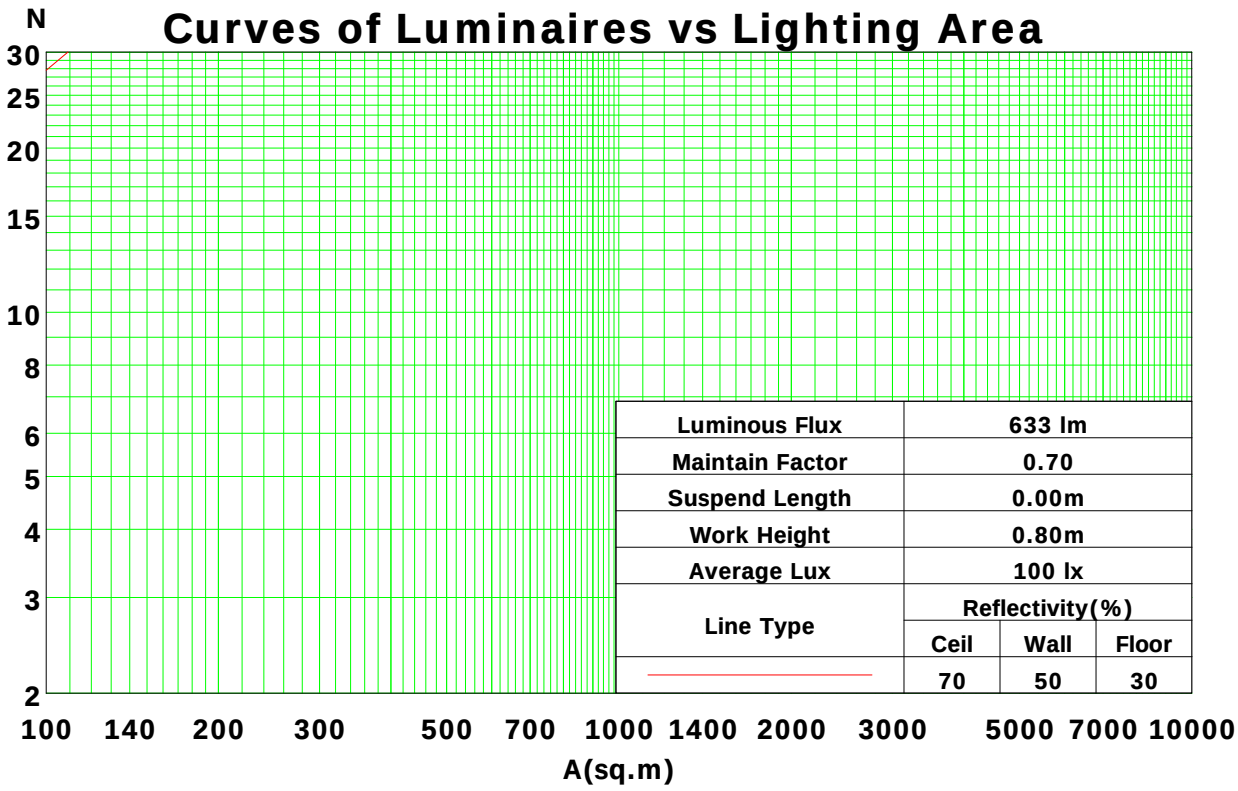
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	100	95	89	85	95	90	85	81	81	77	74	73	70	67	65	63	61	57
2	90	81	73	67	85	77	70	64	69	64	59	62	58	54	56	52	49	45
3	82	70	61	54	77	67	59	52	60	53	48	54	49	44	48	44	40	37
4	74	61	52	45	70	58	50	43	53	46	40	47	42	37	43	38	34	31
5	68	54	45	38	64	52	43	37	47	40	34	42	36	31	38	33	29	26
6	62	49	39	33	59	46	38	32	42	35	29	38	32	27	34	29	25	22
7	58	44	35	28	54	42	33	28	38	31	26	34	28	24	31	26	22	20
8	53	40	31	25	50	38	30	24	35	28	23	31	25	21	28	23	20	17
9	50	36	28	22	47	35	27	22	32	25	20	29	23	19	26	21	17	15
10	47	33	25	20	44	32	24	19	29	23	18	27	21	17	24	19	16	14

Spacing Criteria (0-180): 1.24
Spacing Criteria (90-270): 1.56
Spacing Criteria (Diagonal): 1.56

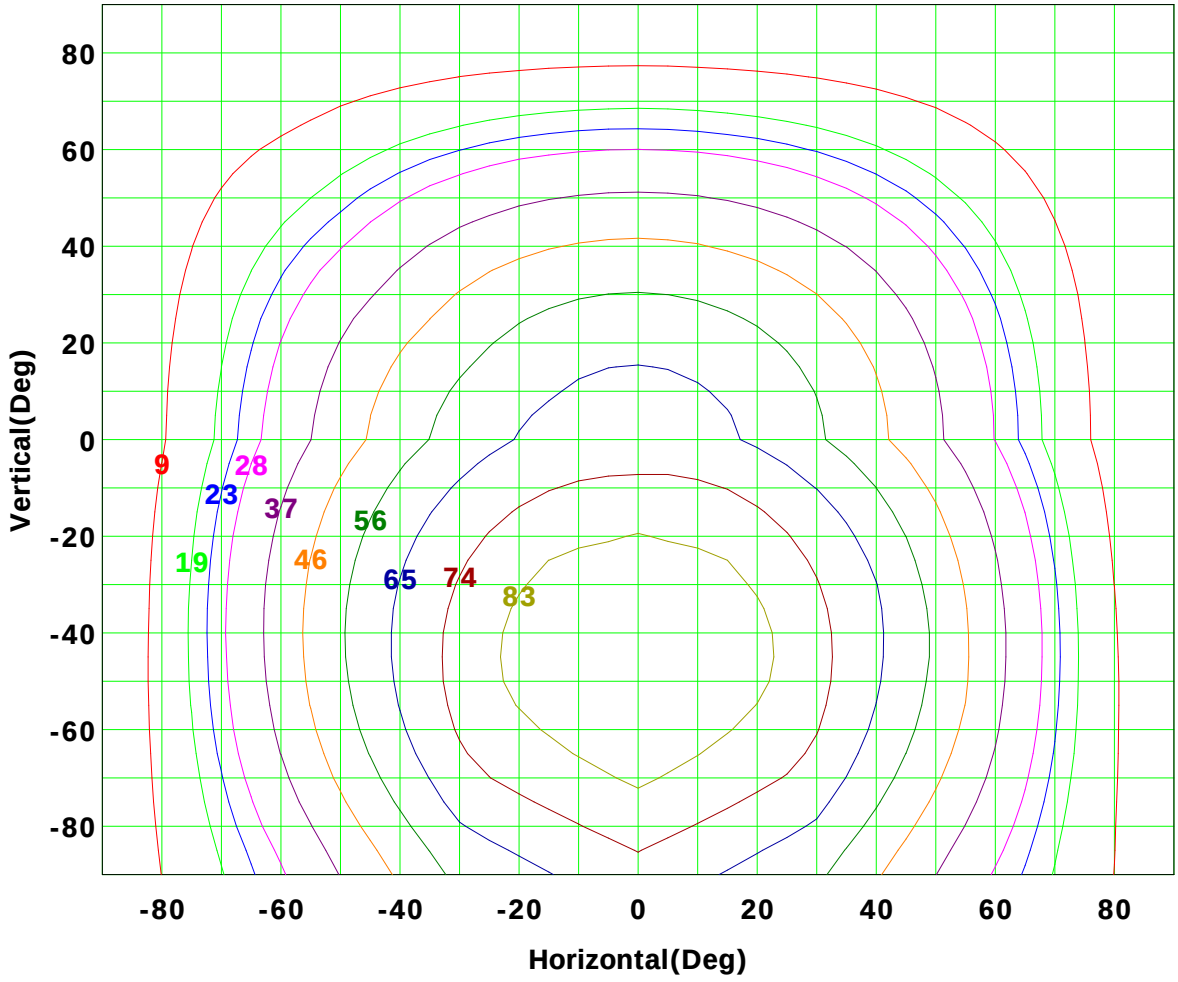
Curves of Luminaires vs Lighting Area



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)



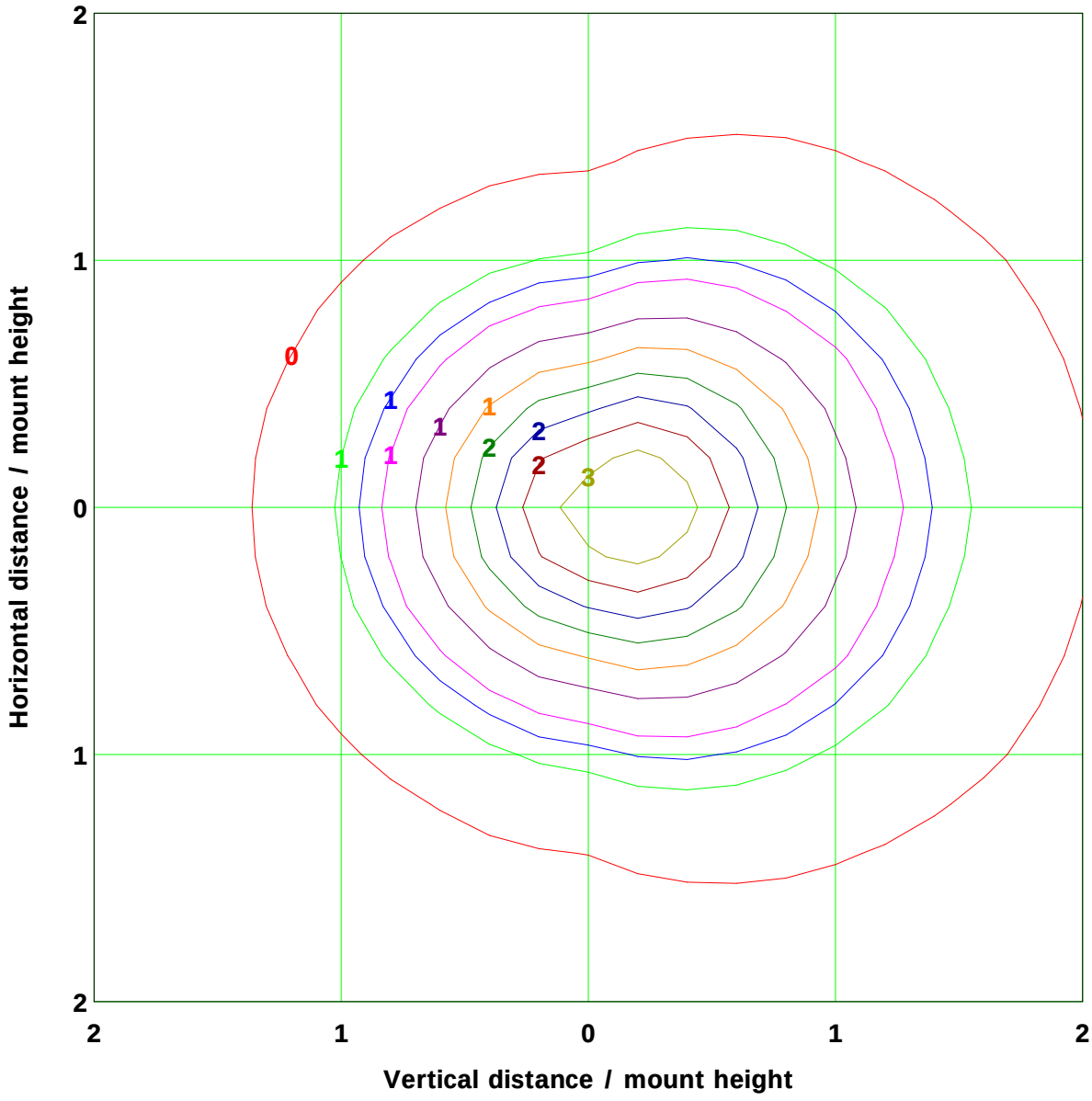
Imax (100%): 93 cd

(10%):	9 cd	(20%):	19 cd
(25%):	23 cd	(30%):	28 cd
(40%):	37 cd	(50%):	46 cd
(60%):	56 cd	(70%):	65 cd
(80%):	74 cd	(90%):	83 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%): 2.9 lx

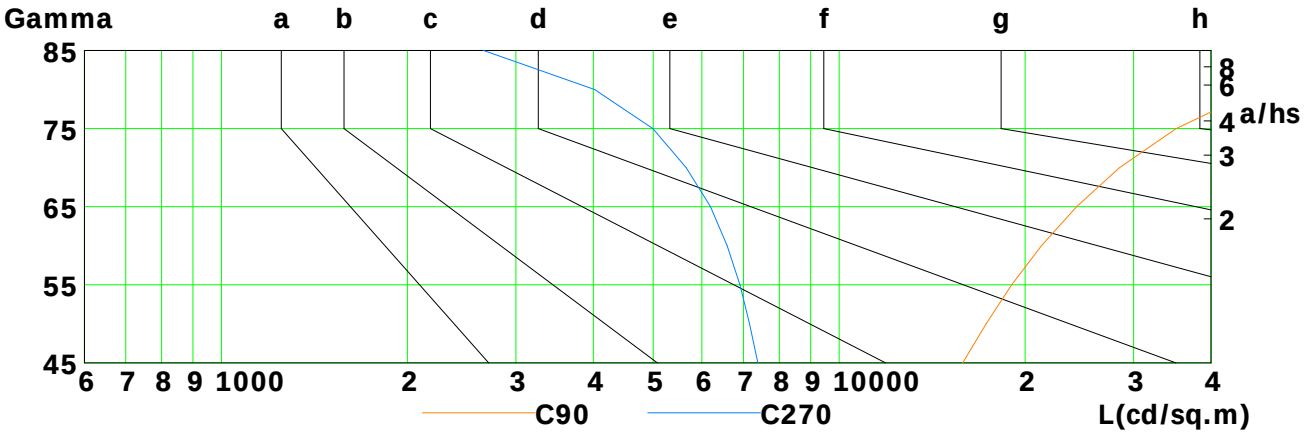
(10%): 0.3 lx	(20%): 0.6 lx
(25%): 0.7 lx	(30%): 0.9 lx
(40%): 1.2 lx	(50%): 1.5 lx
(60%): 1.7 lx	(70%): 2.0 lx
(80%): 2.3 lx	(90%): 2.6 lx

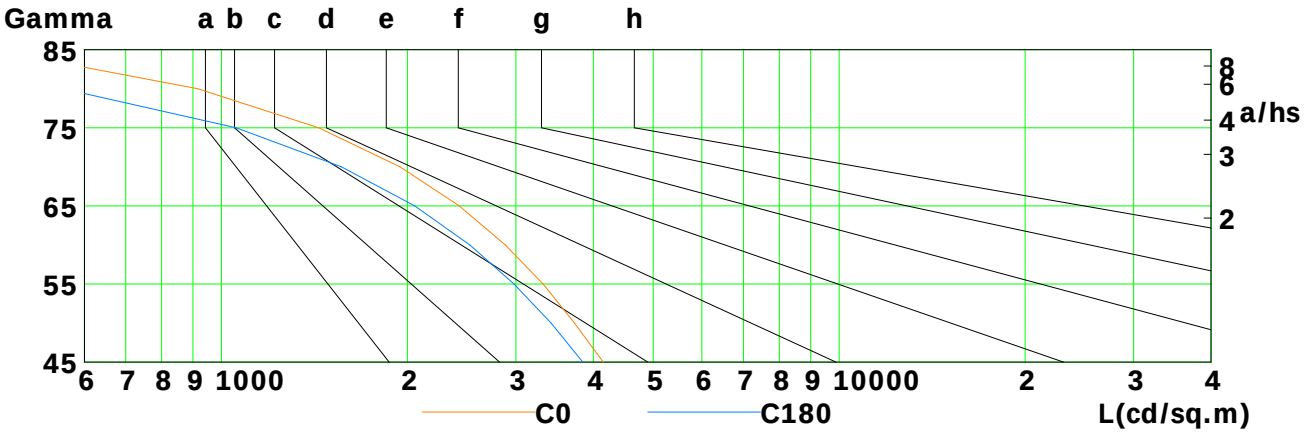
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



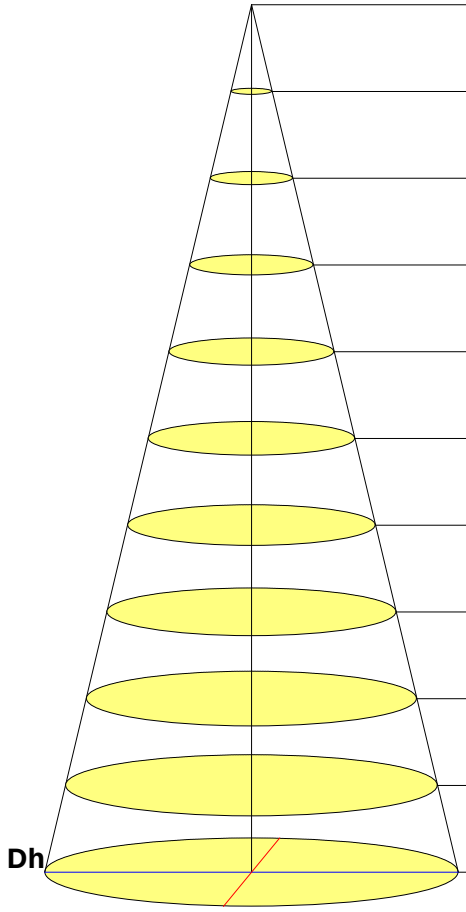


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4152	3731	3317	2882	2429	1946	1438	916	425
C90	15859	17299	19032	21266	24263	28464	35158	47536	78045
C180	3849	3417	2976	2525	2057	1565	1057	556	157
C270	7390	7161	6909	6587	6194	5657	4996	4021	2657

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



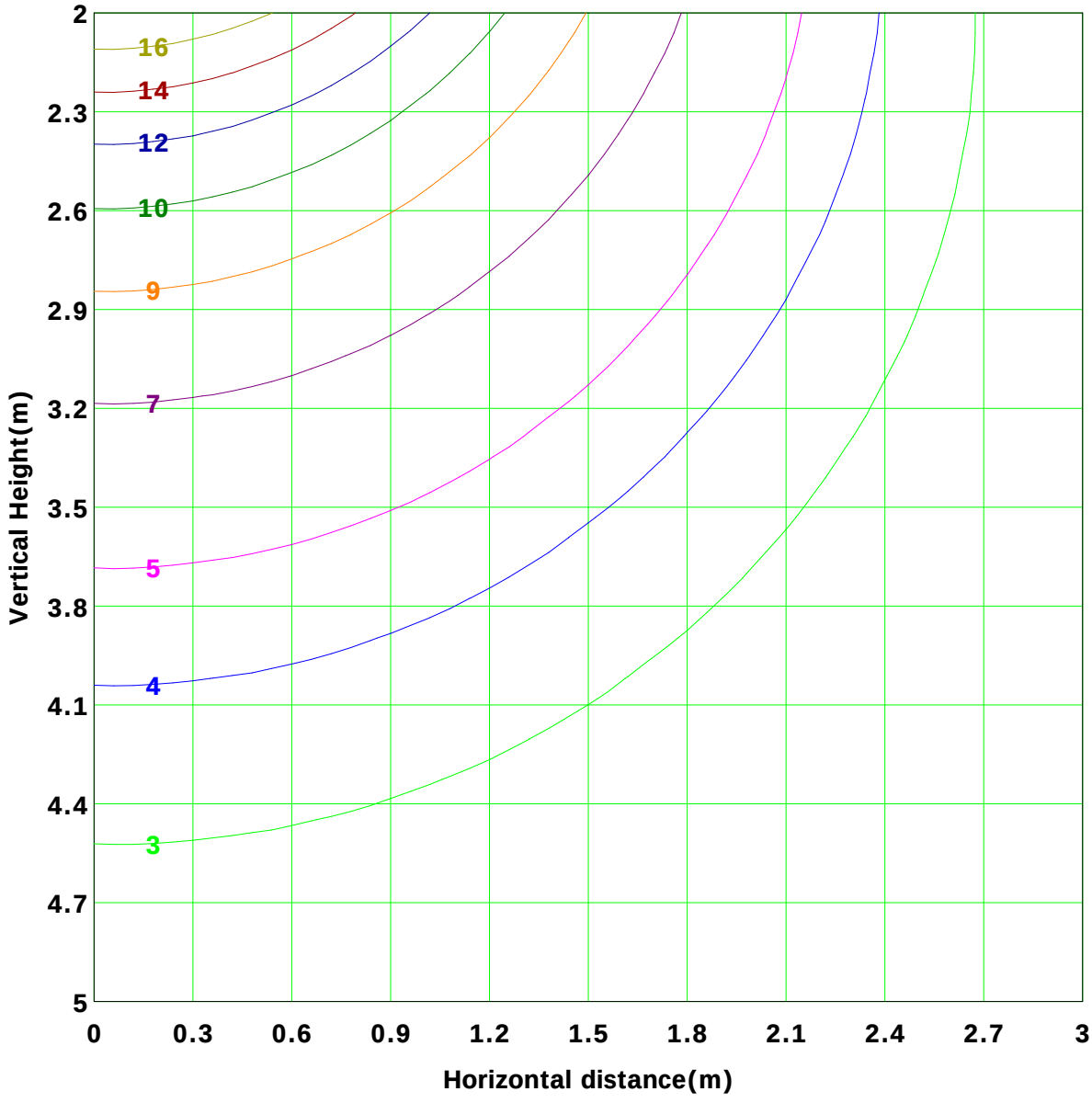
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	69.59	2.88/NA	NA	NA
2.0	17.40	5.76/NA	NA	NA
3.0	7.73	8.63/NA	NA	NA
4.0	4.35	11.51/NA	NA	NA
5.0	2.78	14.39/NA	NA	NA
6.0	1.93	17.27/NA	NA	NA
7.0	1.42	20.14/NA	NA	NA
8.0	1.09	23.02/NA	NA	NA
9.0	0.86	25.90/NA	NA	NA
10.0	0.70	28.78/NA	NA	NA

Beam Angle(B): H110.4 V189.0 Field Angle(F): H159.6 V247.5

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: 17.4 lx

(10%): 1.7 lx	(20%): 3.5 lx
(25%): 4.4 lx	(30%): 5.2 lx
(40%): 7.0 lx	(50%): 8.7 lx
(60%): 10.4 lx	(70%): 12.2 lx
(80%): 13.9 lx	(90%): 15.7 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:

Area Flux Table

Unit: lm

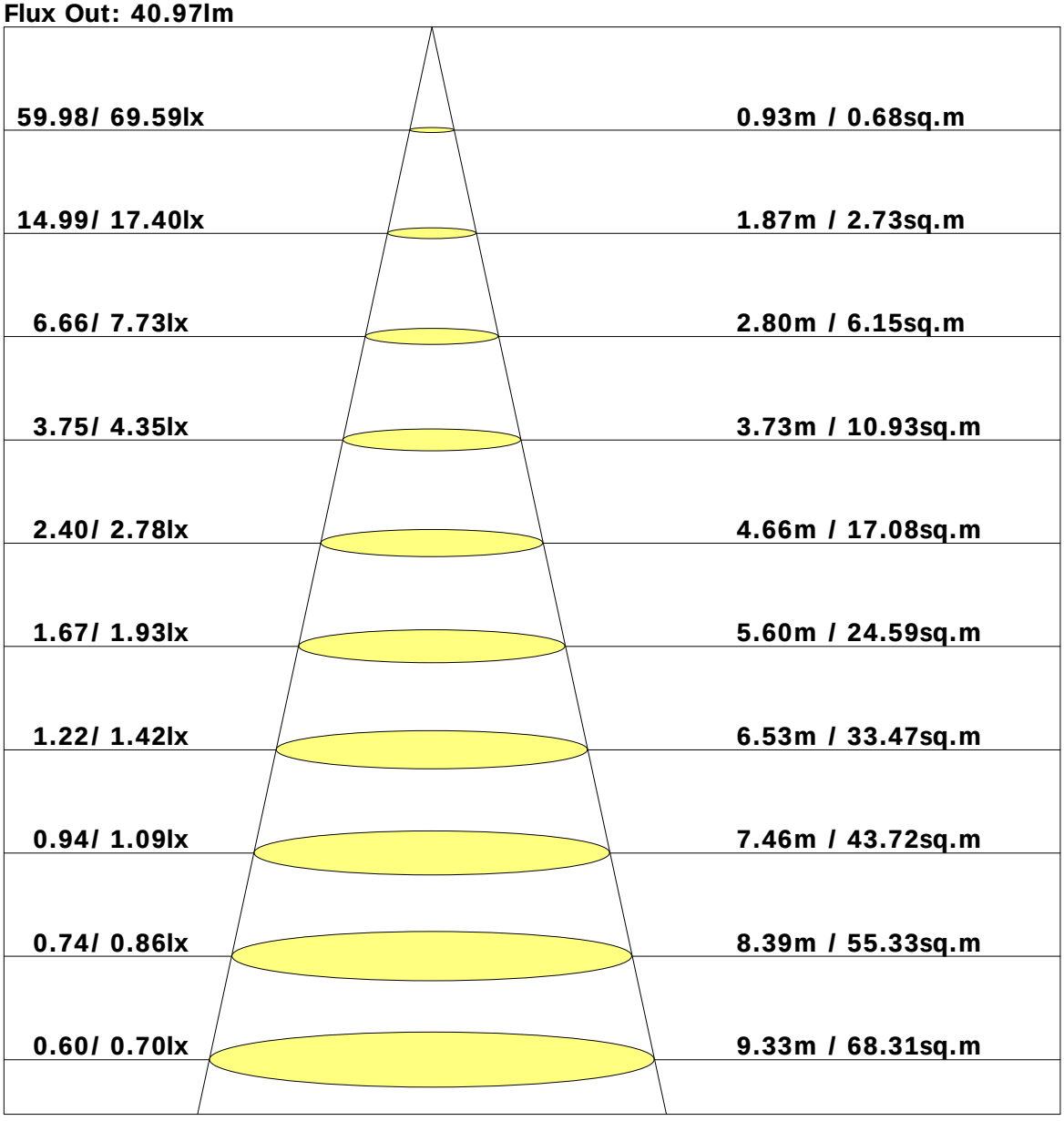
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane																					
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.6	1.3
-70	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.1	0.0	4.8	4.6
-60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.4	0.1	9.6	9.4
-50	0.0	0.0	0.1	0.3	0.4	0.6	0.8	0.9	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.1	0.6	0.2	15.4	15.2
-40	0.0	0.0	0.2	0.4	0.6	0.8	1.1	1.2	1.3	1.4	1.6	1.7	1.8	1.8	1.8	1.7	1.5	1.0	0.4	21.4	21.3
-30	0.0	0.0	0.2	0.5	0.8	1.1	1.4	1.6	1.8	1.9	2.0	2.1	2.2	2.2	2.2	2.1	1.9	1.4	0.6	26.9	26.8
-20	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.1	2.3	2.4	2.5	2.5	2.6	2.4	2.2	1.7	0.7	30.9	30.8
-10	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.2	2.4	2.6	2.7	2.7	2.7	2.6	2.4	2.2	0.8	33.3	33.1
0	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.2	2.4	2.6	2.7	2.7	2.8	2.7	2.5	2.2	0.8	33.3	33.2
10	0.0	0.1	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.1	2.3	2.4	2.5	2.5	2.6	2.4	2.2	2.0	0.8	31.0	30.9
20	0.0	0.1	0.3	0.6	0.9	1.2	1.4	1.6	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.1	1.9	1.7	0.7	27.1	27.0
30	0.0	0.1	0.2	0.5	0.8	1.1	1.3	1.5	1.6	1.7	1.8	1.8	1.8	1.8	1.8	1.7	1.5	1.2	0.6	21.7	21.5
40	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.1	0.8	0.4	15.7	15.5
50	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.5	0.3	10.0	9.8
60	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	5.2	5.0
70	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	1.9	1.7
80	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.0	0.2	0.1
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	0.1	0.1	0.1	0.1	0.1	0.1	0.0	290	
Flux(T)	0.7	2.9	5.7	8.5	11.2	13.5	15.5	17.0	17.9	19.3	21.3	22.9	23.9	24.2	23.7	22.6	20.8	18.7			
Flux(E)	0.0	1.7	5.3	8.4	11.1	13.5	15.4	16.9	17.9	19.3	21.3	22.9	23.9	24.1	23.7	22.5	20.7	18.6			287

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: 40.97lm



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	19.5	20.7	20.2	21.5	22.3	22.8	24.1	23.5	24.8	25.6
3H	21.3	22.5	22.0	23.2	24.1	25.5	26.6	26.2	27.4	28.3
4H	22.0	23.1	22.7	23.9	24.8	26.8	27.9	27.5	28.6	29.5
6H	22.5	23.6	23.3	24.3	25.2	28.0	29.0	28.7	29.8	30.7
8H	22.7	23.7	23.4	24.5	25.4	28.6	29.6	29.3	30.4	31.3
12H	22.8	23.7	23.5	24.5	25.4	29.2	30.1	29.9	30.9	31.8
X=4H Y=2H	20.4	21.5	21.1	22.2	23.1	23.4	24.5	24.1	25.2	26.1
3H	22.5	23.5	23.2	24.2	25.1	26.4	27.3	27.1	28.1	29.0
4H	23.4	24.3	24.1	25.0	26.0	27.8	28.7	28.6	29.5	30.4
6H	24.1	24.8	24.8	25.6	26.6	29.3	30.0	30.0	30.8	31.8
8H	24.3	25.0	25.1	25.8	26.8	30.0	30.7	30.7	31.5	32.4
12H	24.5	25.1	25.3	25.9	26.9	30.6	31.3	31.4	32.1	33.1
X=8H Y=4H	24.1	24.8	24.9	25.6	26.6	28.2	28.9	29.0	29.7	30.7
6H	25.0	25.7	25.9	26.5	27.5	29.9	30.5	30.7	31.3	32.3
8H	25.4	26.0	26.3	26.8	27.8	30.7	31.3	31.5	32.1	33.1
12H	25.8	26.3	26.6	27.1	28.1	31.6	32.1	32.4	32.9	34.0
X=12H Y=4H	24.3	25.0	25.1	25.8	26.7	28.2	28.9	29.0	29.7	30.7
6H	25.4	25.9	26.2	26.7	27.8	30.0	30.5	30.8	31.3	32.4
8H	25.9	26.4	26.7	27.2	28.2	30.9	31.4	31.7	32.2	33.3

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 = 1.50								
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	0.47	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91
	0.30		0.39	0.47	0.54	0.60	0.67	0.73	0.77	0.83	0.87
	0.20		0.34	0.41	0.48	0.54	0.62	0.68	0.72	0.78	0.83
0.50	0.50	0.20	0.43	0.50	0.57	0.61	0.67	0.72	0.75	0.79	0.82
	0.30		0.37	0.44	0.50	0.55	0.62	0.67	0.70	0.75	0.79
	0.20		0.32	0.39	0.45	0.50	0.57	0.62	0.66	0.72	0.76
0.30	0.50	0.20	0.40	0.46	0.51	0.55	0.61	0.65	0.68	0.72	0.74
	0.30		0.34	0.40	0.46	0.50	0.56	0.61	0.64	0.68	0.72
	0.20		0.30	0.36	0.42	0.46	0.53	0.57	0.61	0.66	0.69
0.00	0.00	0.00	0.25	0.30	0.36	0.39	0.45	0.49	0.52	0.56	0.59

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 = 1.50								
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	0.87	0.75	0.66	0.54	0.46	0.40	0.32	0.27
	0.30		0.83	0.74	0.65	0.59	0.49	0.42	0.37	0.30	0.26
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.24
0.50	0.50	0.20	0.91	0.79	0.68	0.61	0.50	0.45	0.37	0.30	0.25
	0.30		0.77	0.69	0.60	0.54	0.46	0.39	0.35	0.28	0.24
	0.20		0.67	0.61	0.54	0.49	0.42	0.36	0.32	0.27	0.23
0.30	0.50	0.20	0.84	0.72	0.62	0.55	0.45	0.39	0.34	0.27	0.23
	0.30		0.72	0.63	0.56	0.50	0.42	0.36	0.32	0.26	0.22
	0.20		0.63	0.57	0.50	0.46	0.39	0.34	0.30	0.25	0.21
0.00	0.00	0.00	0.50	0.45	0.40	0.36	0.30	0.26	0.24	0.19	0.16

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 = 1.50								
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	0.40	0.42	0.43	0.43	0.44	0.45	0.45	0.45	0.46
	0.30		0.34	0.35	0.36	0.37	0.39	0.40	0.40	0.42	0.42
	0.20		0.29	0.30	0.31	0.32	0.34	0.35	0.37	0.38	0.39
0.50	0.50	0.20	0.39	0.40	0.41	0.42	0.42	0.43	0.43	0.43	0.44
	0.30		0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41
	0.20		0.28	0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.38
0.30	0.50	0.20	0.38	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.42
	0.30		0.32	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.39
	0.20		0.28	0.29	0.30	0.31	0.33	0.34	0.35	0.36	0.37
0.00	0.00	0.00	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

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	69.4	0.1	0.1	0.02	0.02
1.0-2.0	69.5	0.2	0.3	0.05	0.07
2.0-3.0	69.7	0.3	0.6	0.09	0.16
3.0-4.0	69.8	0.5	1.1	0.12	0.28
4.0-5.0	69.9	0.6	1.7	0.16	0.43
5.0-6.0	70.0	0.7	2.4	0.19	0.62
6.0-7.0	70.1	0.9	3.3	0.23	0.85
7.0-8.0	70.1	1.0	4.3	0.26	1.11
8.0-9.0	70.2	1.1	5.4	0.30	1.41
9.0-10.0	70.2	1.3	6.7	0.33	1.74
10.0-11.0	70.3	1.4	8.1	0.36	2.10
11.0-12.0	70.2	1.5	9.6	0.40	2.50
12.0-13.0	70.2	1.7	11.3	0.43	2.93
13.0-14.0	70.2	1.8	13.1	0.47	3.40
14.0-15.0	70.1	1.9	15.0	0.50	3.90
15.0-16.0	70.1	2.1	17.1	0.53	4.43
16.0-17.0	70.0	2.2	19.2	0.57	4.99
17.0-18.0	69.8	2.3	21.6	0.60	5.59
18.0-19.0	69.7	2.4	24.0	0.63	6.22
19.0-20.0	69.5	2.5	26.5	0.66	6.88
20.0-21.0	69.4	2.7	29.2	0.69	7.57
21.0-22.0	69.1	2.8	32.0	0.72	8.29
22.0-23.0	68.9	2.9	34.9	0.75	9.04
23.0-24.0	68.7	3.0	37.9	0.78	9.82
24.0-25.0	68.4	3.1	41.0	0.81	10.63
25.0-26.0	68.1	3.2	44.2	0.83	11.47
26.0-27.0	67.8	3.3	47.5	0.86	12.33
27.0-28.0	67.5	3.4	50.9	0.89	13.21
28.0-29.0	67.1	3.5	54.4	0.91	14.13
29.0-30.0	66.8	3.6	58.0	0.94	15.06
30.0-31.0	66.4	3.7	61.7	0.96	16.02
31.0-32.0	66.0	3.8	65.5	0.98	17.00
32.0-33.0	65.5	3.9	69.4	1.00	18.00
33.0-34.0	65.1	3.9	73.3	1.02	19.03
34.0-35.0	64.6	4.0	77.3	1.04	20.07
35.0-36.0	64.1	4.1	81.4	1.06	21.13

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	63.6	4.1	85.6	1.08	22.20
37.0-38.0	63.1	4.2	89.8	1.09	23.29
38.0-39.0	62.5	4.3	94.0	1.11	24.40
39.0-40.0	62.0	4.3	98.4	1.12	25.52
40.0-41.0	61.4	4.4	102.7	1.13	26.66
41.0-42.0	60.8	4.4	107.2	1.15	27.80
42.0-43.0	60.2	4.5	111.6	1.16	28.96
43.0-44.0	59.5	4.5	116.1	1.17	30.13
44.0-45.0	58.9	4.5	120.6	1.17	31.30
45.0-46.0	58.2	4.6	125.2	1.18	32.48
46.0-47.0	57.5	4.6	129.8	1.19	33.67
47.0-48.0	56.8	4.6	134.3	1.19	34.86
48.0-49.0	56.1	4.6	139.0	1.20	36.06
49.0-50.0	55.4	4.6	143.6	1.20	37.26
50.0-51.0	54.6	4.6	148.2	1.20	38.45
51.0-52.0	53.8	4.6	152.8	1.20	39.65
52.0-53.0	53.0	4.6	157.4	1.20	40.85
53.0-54.0	52.3	4.6	162.0	1.20	42.05
54.0-55.0	51.4	4.6	166.6	1.19	43.24
55.0-56.0	50.6	4.6	171.2	1.19	44.42
56.0-57.0	49.8	4.6	175.7	1.18	45.61
57.0-58.0	48.9	4.5	180.3	1.17	46.78
58.0-59.0	48.0	4.5	184.8	1.17	47.94
59.0-60.0	47.1	4.5	189.2	1.16	49.10
60.0-61.0	46.2	4.4	193.6	1.15	50.24
61.0-62.0	45.3	4.4	198.0	1.13	51.38
62.0-63.0	44.4	4.3	202.3	1.12	52.50
63.0-64.0	43.5	4.3	206.6	1.11	53.61
64.0-65.0	42.5	4.2	210.8	1.09	54.70
65.0-66.0	41.6	4.1	214.9	1.08	55.77
66.0-67.0	40.6	4.1	219.0	1.06	56.83
67.0-68.0	39.6	4.0	223.0	1.04	57.88
68.0-69.0	38.6	3.9	227.0	1.02	58.90
69.0-70.0	37.6	3.9	230.8	1.00	59.90
70.0-71.0	36.6	3.8	234.6	0.98	60.88
71.0-72.0	35.7	3.7	238.3	0.96	61.85

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	34.7	3.6	242.0	0.94	62.79
73.0-74.0	33.6	3.5	245.5	0.92	63.70
74.0-75.0	32.6	3.4	248.9	0.90	64.60
75.0-76.0	31.6	3.4	252.3	0.87	65.47
76.0-77.0	30.6	3.3	255.6	0.85	66.32
77.0-78.0	29.7	3.2	258.7	0.82	67.14
78.0-79.0	28.7	3.1	261.8	0.80	67.94
79.0-80.0	27.7	3.0	264.8	0.78	68.72
80.0-81.0	26.8	2.9	267.7	0.75	69.47
81.0-82.0	25.9	2.8	270.5	0.73	70.20
82.0-83.0	25.0	2.7	273.3	0.71	70.91
83.0-84.0	24.2	2.6	275.9	0.68	71.59
84.0-85.0	23.4	2.6	278.4	0.66	72.25
85.0-86.0	22.6	2.5	280.9	0.64	72.90
86.0-87.0	21.9	2.4	283.3	0.62	73.52
87.0-88.0	21.3	2.3	285.6	0.61	74.12
88.0-89.0	20.9	2.3	287.9	0.59	74.72
89.0-90.0	20.5	2.2	290.2	0.58	75.30
90.0-91.0	20.2	2.2	292.4	0.57	75.87
91.0-92.0	20.0	2.2	294.6	0.57	76.44
92.0-93.0	19.9	2.2	296.8	0.57	77.01
93.0-94.0	19.9	2.2	299.0	0.57	77.58
94.0-95.0	19.9	2.2	301.1	0.56	78.14
95.0-96.0	19.8	2.2	303.3	0.56	78.70
96.0-97.0	19.8	2.2	305.4	0.56	79.26
97.0-98.0	19.7	2.1	307.6	0.56	79.82
98.0-99.0	19.7	2.1	309.7	0.55	80.37
99.0-100.0	19.6	2.1	311.8	0.55	80.92
100.0-101.0	19.6	2.1	314.0	0.55	81.47
101.0-102.0	19.5	2.1	316.1	0.54	82.01
102.0-103.0	19.4	2.1	318.1	0.54	82.55
103.0-104.0	19.3	2.1	320.2	0.53	83.09
104.0-105.0	19.2	2.0	322.2	0.53	83.62
105.0-106.0	19.1	2.0	324.3	0.52	84.14
106.0-107.0	19.0	2.0	326.2	0.52	84.66
107.0-108.0	18.9	2.0	328.2	0.51	85.17

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	18.8	2.0	330.2	0.51	85.68
109.0-110.0	18.6	1.9	332.1	0.50	86.18
110.0-111.0	18.5	1.9	334.0	0.49	86.67
111.0-112.0	18.4	1.9	335.9	0.49	87.16
112.0-113.0	18.2	1.8	337.7	0.48	87.64
113.0-114.0	18.1	1.8	339.5	0.47	88.11
114.0-115.0	17.9	1.8	341.3	0.46	88.57
115.0-116.0	17.7	1.8	343.1	0.46	89.03
116.0-117.0	17.6	1.7	344.8	0.45	89.47
117.0-118.0	17.4	1.7	346.5	0.44	89.91
118.0-119.0	17.2	1.7	348.2	0.43	90.34
119.0-120.0	17.0	1.6	349.8	0.42	90.76
120.0-121.0	16.8	1.6	351.4	0.41	91.18
121.0-122.0	16.6	1.6	352.9	0.40	91.58
122.0-123.0	16.4	1.5	354.4	0.39	91.97
123.0-124.0	16.2	1.5	355.9	0.38	92.36
124.0-125.0	16.0	1.4	357.4	0.38	92.73
125.0-126.0	15.8	1.4	358.8	0.37	93.10
126.0-127.0	15.6	1.4	360.1	0.36	93.46
127.0-128.0	15.3	1.3	361.5	0.35	93.80
128.0-129.0	15.1	1.3	362.8	0.34	94.14
129.0-130.0	14.8	1.3	364.0	0.33	94.46
130.0-131.0	14.6	1.2	365.2	0.32	94.78
131.0-132.0	14.3	1.2	366.4	0.30	95.08
132.0-133.0	14.0	1.1	367.5	0.29	95.38
133.0-134.0	13.7	1.1	368.6	0.28	95.66
134.0-135.0	13.4	1.0	369.7	0.27	95.93
135.0-136.0	13.1	1.0	370.7	0.26	96.19
136.0-137.0	12.9	1.0	371.7	0.25	96.44
137.0-138.0	12.6	0.9	372.6	0.24	96.69
138.0-139.0	12.4	0.9	373.5	0.23	96.92
139.0-140.0	12.1	0.9	374.4	0.22	97.14
140.0-141.0	11.8	0.8	375.2	0.21	97.36
141.0-142.0	11.5	0.8	376.0	0.20	97.56
142.0-143.0	11.2	0.7	376.7	0.19	97.76
143.0-144.0	10.8	0.7	377.4	0.18	97.94

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	10.3	0.7	378.1	0.17	98.11
145.0-146.0	10.0	0.6	378.7	0.16	98.27
146.0-147.0	9.8	0.6	379.3	0.15	98.42
147.0-148.0	9.4	0.6	379.8	0.14	98.57
148.0-149.0	9.0	0.5	380.4	0.13	98.70
149.0-150.0	8.7	0.5	380.8	0.13	98.83
150.0-151.0	8.4	0.5	381.3	0.12	98.94
151.0-152.0	8.0	0.4	381.7	0.11	99.05
152.0-153.0	7.7	0.4	382.1	0.10	99.16
153.0-154.0	7.4	0.4	382.5	0.09	99.25
154.0-155.0	7.1	0.3	382.8	0.09	99.34
155.0-156.0	6.7	0.3	383.1	0.08	99.42
156.0-157.0	6.4	0.3	383.4	0.07	99.49
157.0-158.0	6.1	0.3	383.7	0.07	99.55
158.0-159.0	5.8	0.2	383.9	0.06	99.61
159.0-160.0	5.5	0.2	384.1	0.05	99.67
160.0-161.0	5.2	0.2	384.3	0.05	99.72
161.0-162.0	5.0	0.2	384.5	0.04	99.76
162.0-163.0	4.7	0.2	384.6	0.04	99.80
163.0-164.0	4.3	0.1	384.7	0.04	99.84
164.0-165.0	4.0	0.1	384.9	0.03	99.87
165.0-166.0	3.6	0.1	385.0	0.03	99.89
166.0-167.0	3.2	0.1	385.0	0.02	99.92
167.0-168.0	2.8	0.1	385.1	0.02	99.93
168.0-169.0	2.6	0.1	385.2	0.01	99.95
169.0-170.0	2.4	0.0	385.2	0.01	99.96
170.0-171.0	2.2	0.0	385.3	0.01	99.97
171.0-172.0	2.0	0.0	385.3	0.01	99.98
172.0-173.0	1.8	0.0	385.3	0.01	99.99
173.0-174.0	1.5	0.0	385.3	0.00	99.99
174.0-175.0	1.3	0.0	385.3	0.00	99.99
175.0-176.0	1.1	0.0	385.4	0.00	100.00
176.0-177.0	1.0	0.0	385.4	0.00	100.00
177.0-178.0	0.8	0.0	385.4	0.00	100.00
178.0-179.0	0.7	0.0	385.4	0.00	100.00
179.0-180.0	0.7	0.0	385.4	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: