ACOLYTE
https://www.genledbrands.com/
Tel:+1 212 629 68304(USA)
Fax:(+1) 210 360 1454

Report No.: **Test Time: 2021/4/23 11:45**

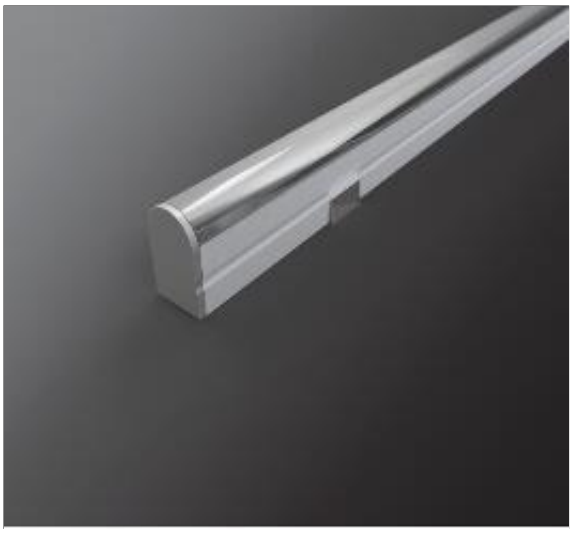
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS20GG90SW2203.030
Lamp Description: 3000K **Luminous Length (mm): 300**
Luminous Width (mm): 15.5 **Luminous Height (mm): 19**
Voltage: 24.0 V **Current: 0.137 A**
Power: 3.30 W **Power Factor: 1.000**

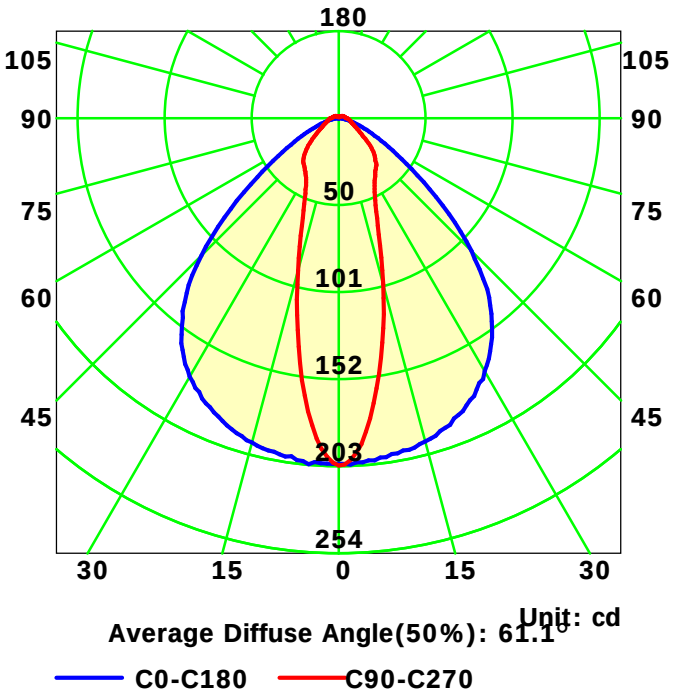
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 227.4 lm**
Measurement Flux: 227.4 lm **Efficiency: 100%**
Downward Ratio: 95% **Upward Ratio: 5%**
Horizontal Diffuse Angle(10%,50%): H131.6,H93.4
Vertical Diffuse Angle(10%,50%): V102.7,V28.8
Luminaire Efficacy Rating (LER): 69 **Central Intensity: 201.87 cd**
Max. Intensity: 203.48 cd **Pos of Max. Intensity: H120 V0**

Picture Of Luminaire



Luminous Intensity Distribution Curve



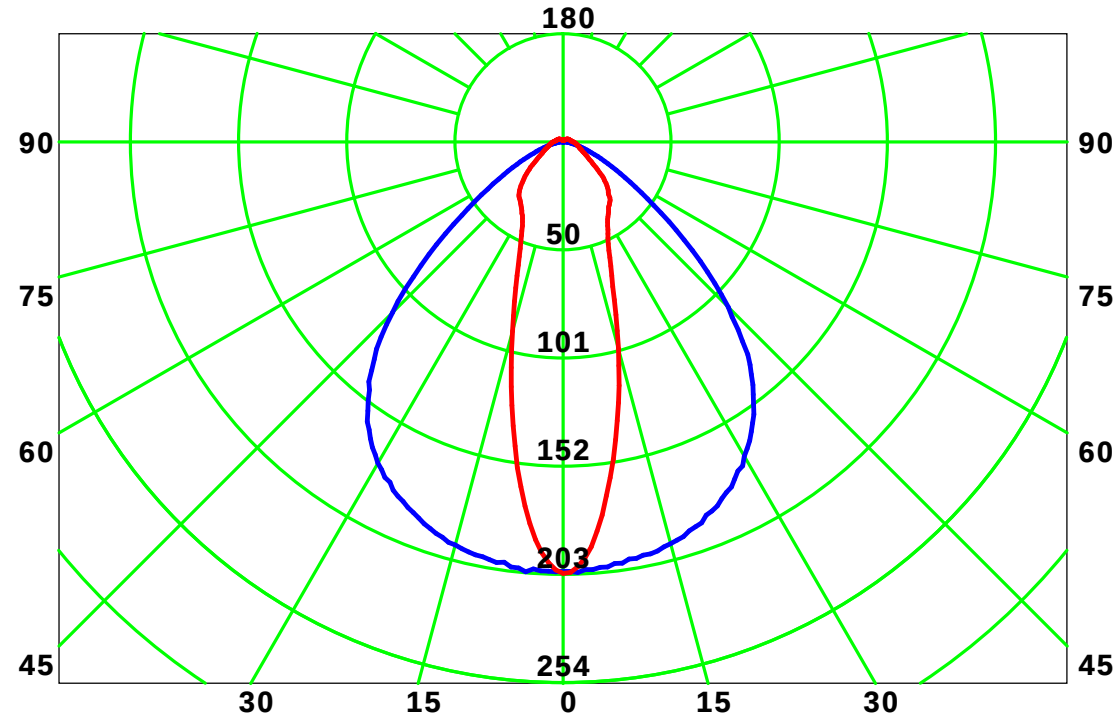
Unit: cd

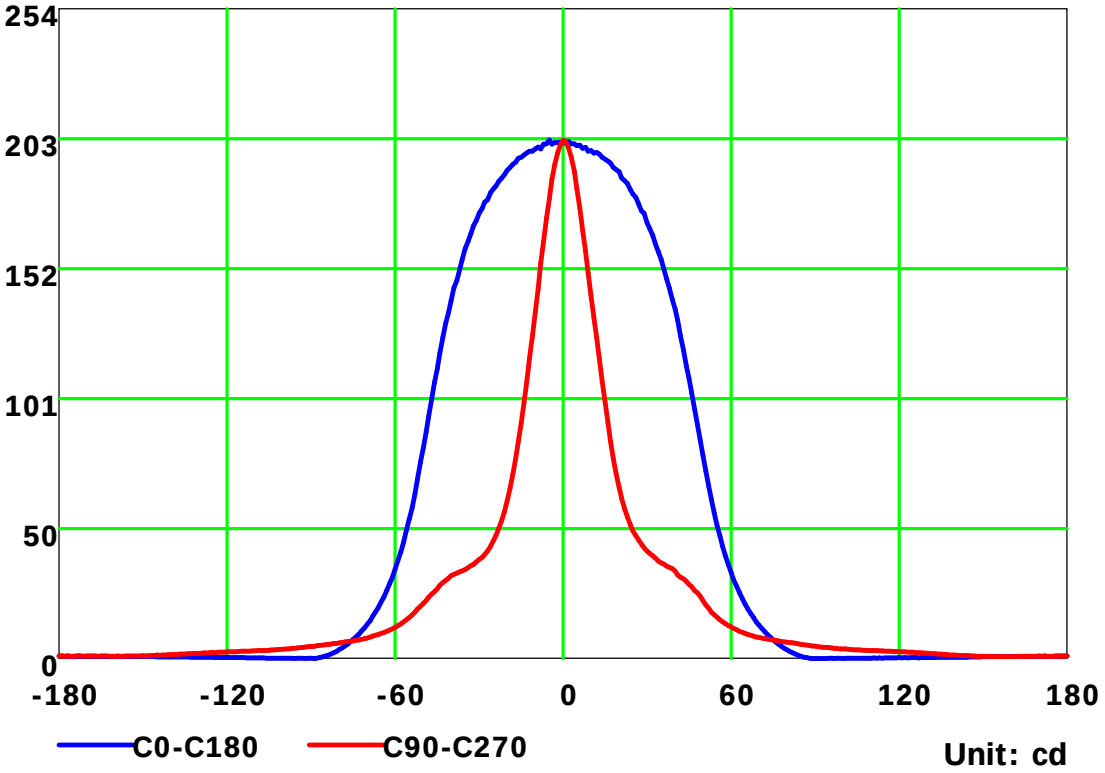
Average Diffuse Angle(50%): 61.1°

C0-C180 **C90-C270**

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

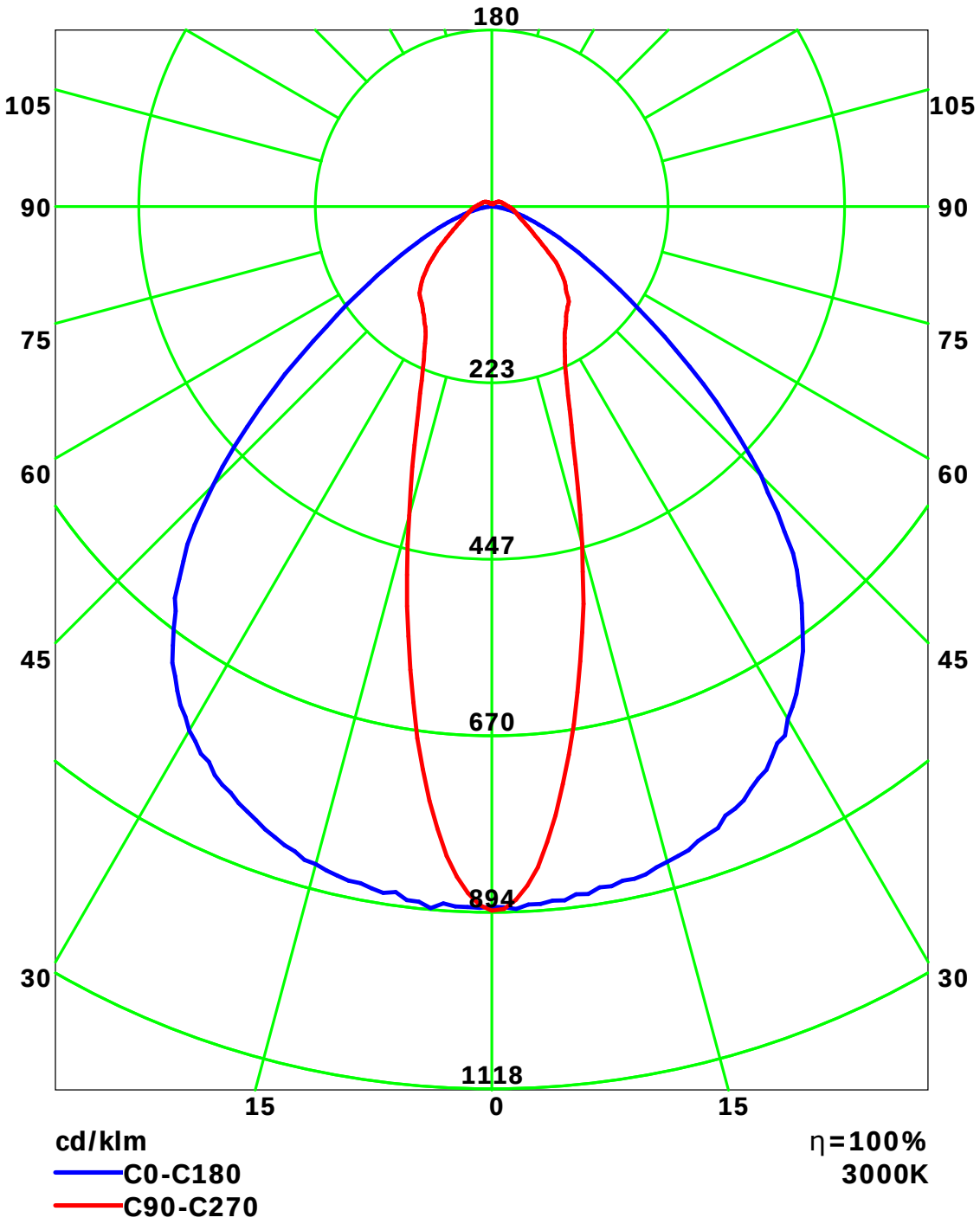




C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

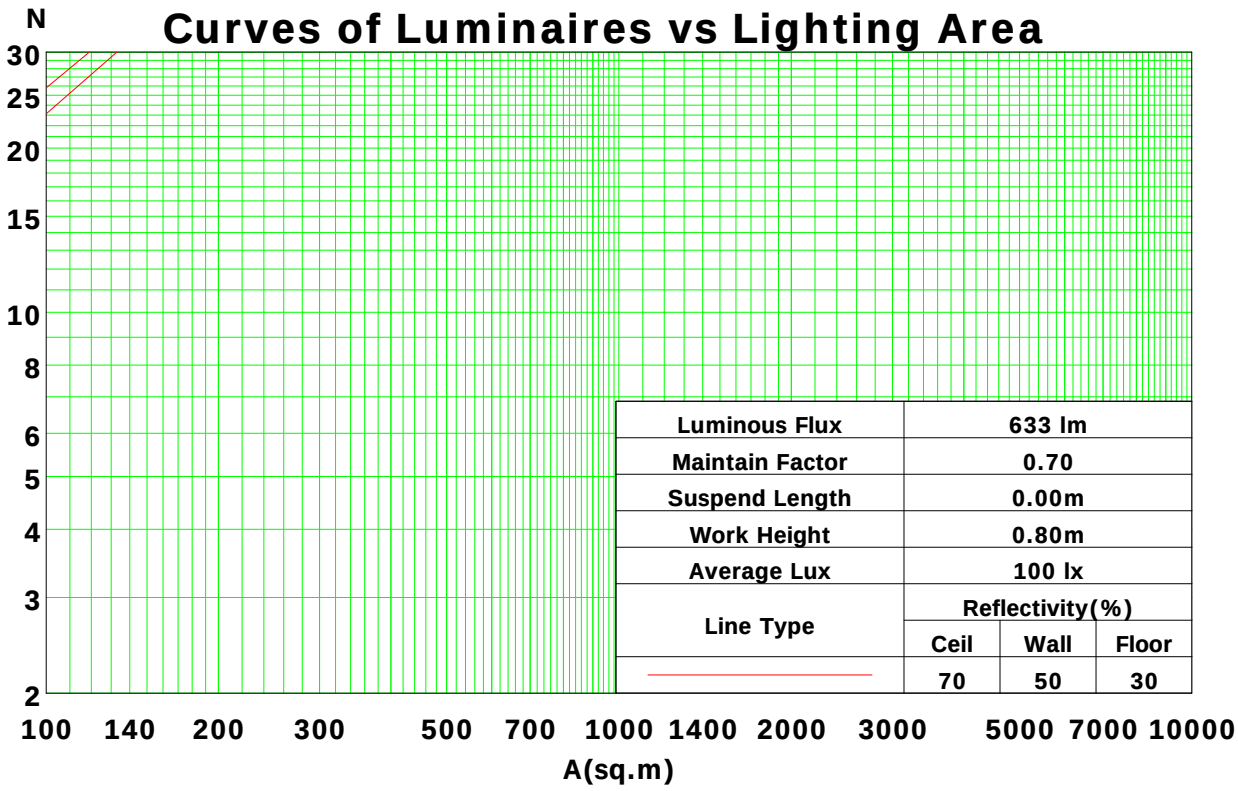
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	95
1	109	105	102	98	106	103	99	96	98	95	93	93	91	89	89	87	86	83
2	101	95	89	84	98	92	87	83	88	84	80	84	81	78	81	78	75	73
3	94	85	78	73	91	83	77	72	80	75	70	77	72	69	74	70	67	65
4	88	77	70	64	85	76	69	64	73	67	62	70	65	61	68	63	60	58
5	82	71	63	57	80	69	62	57	67	61	56	65	59	55	62	58	54	52
6	77	65	57	52	74	64	57	51	62	55	51	60	54	50	58	53	49	47
7	72	60	52	47	70	59	52	47	57	51	46	56	50	46	54	49	45	43
8	68	56	48	43	66	55	48	43	53	47	42	52	46	42	50	45	42	40
9	64	52	45	40	62	51	44	40	50	44	39	48	43	39	47	42	38	37
10	60	49	42	37	59	48	41	37	47	41	36	46	40	36	44	39	36	34

Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 0.47
Spacing Criteria (Diagonal): 0.70

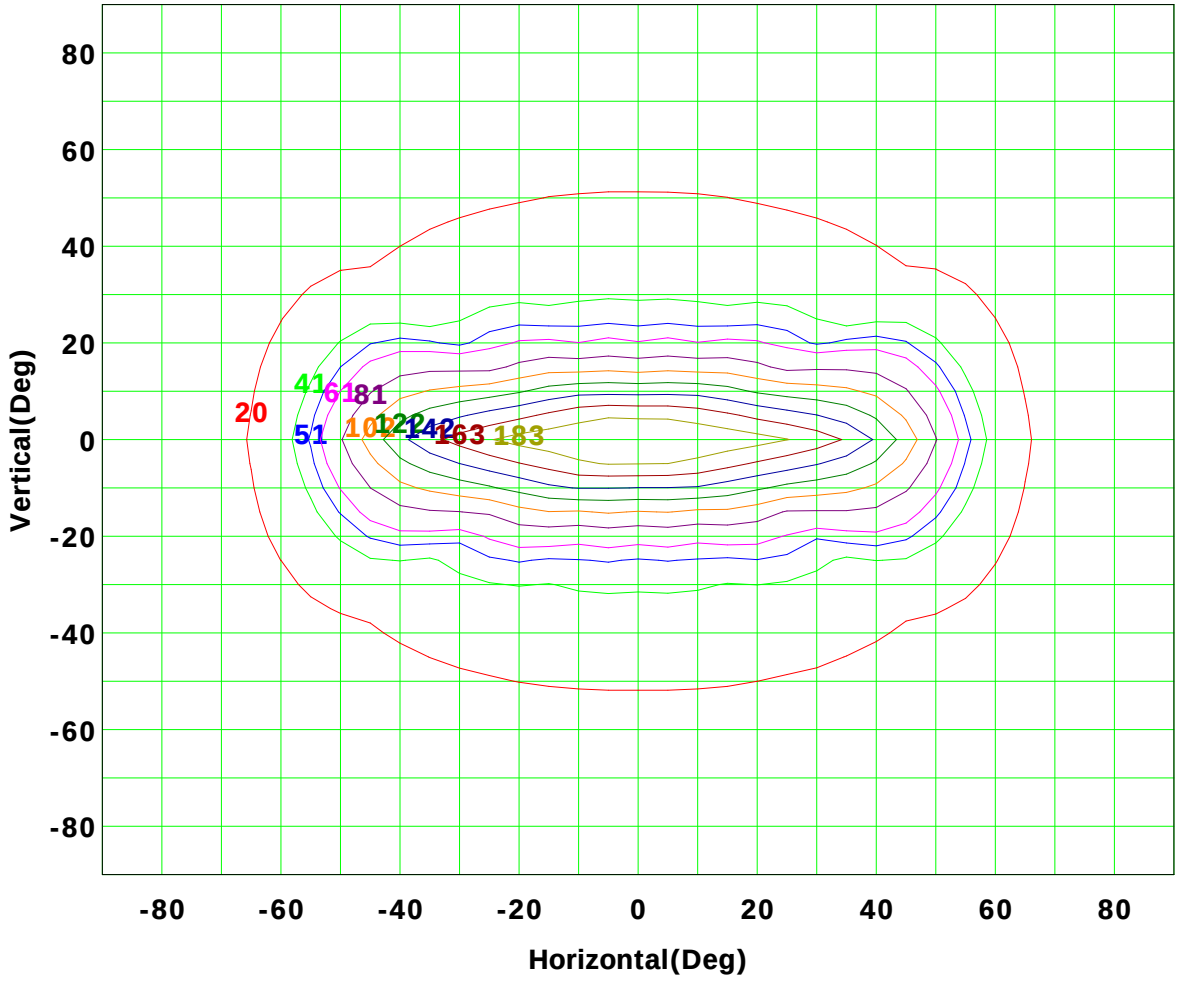
Curves of Luminaires vs Lighting Area



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)



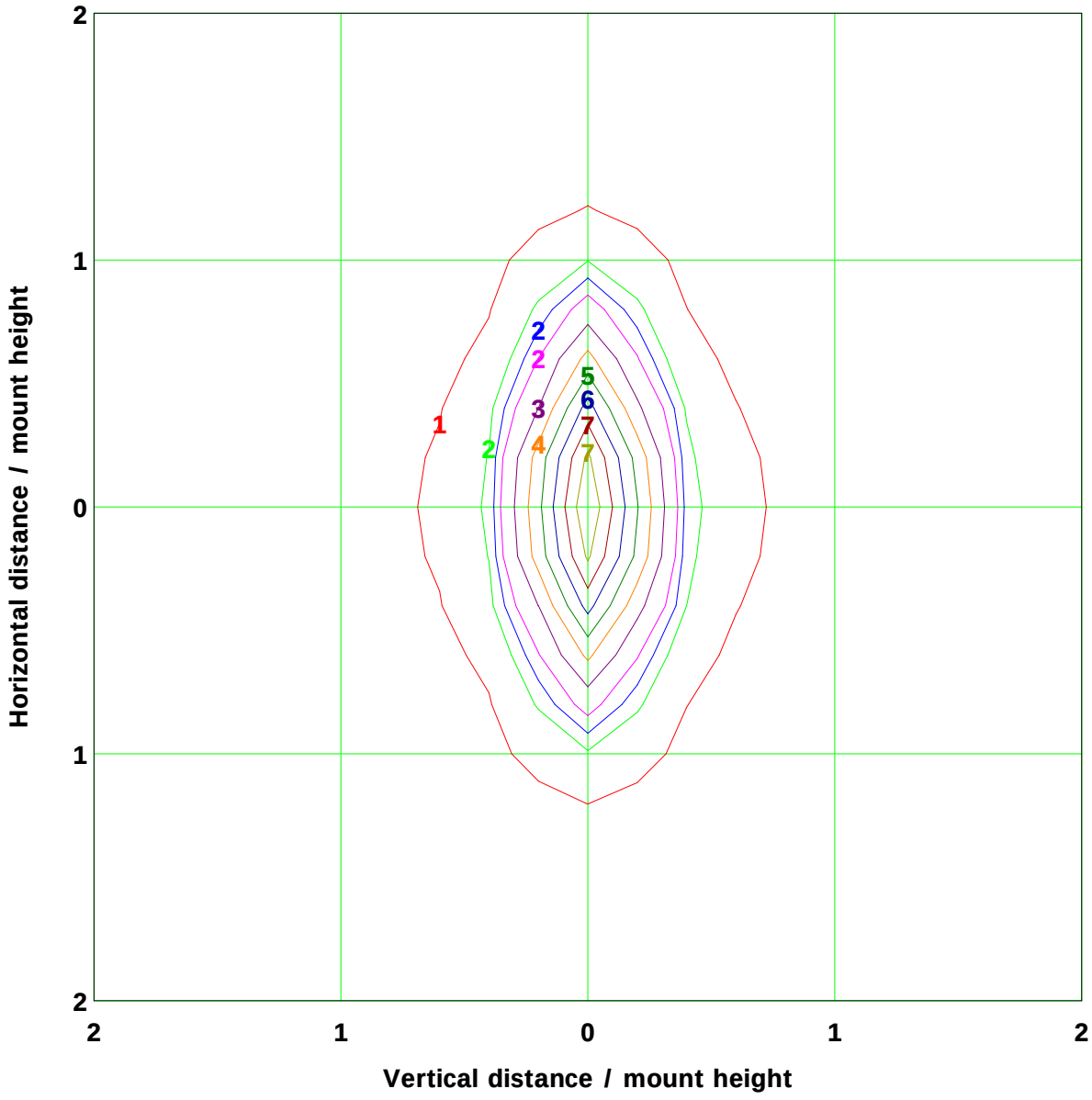
Imax (100%): 203 cd

(10%):	20 cd	(20%):	41 cd
(25%):	51 cd	(30%):	61 cd
(40%):	81 cd	(50%):	102 cd
(60%):	122 cd	(70%):	142 cd
(80%):	163 cd	(90%):	183 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%): 8.1 lx

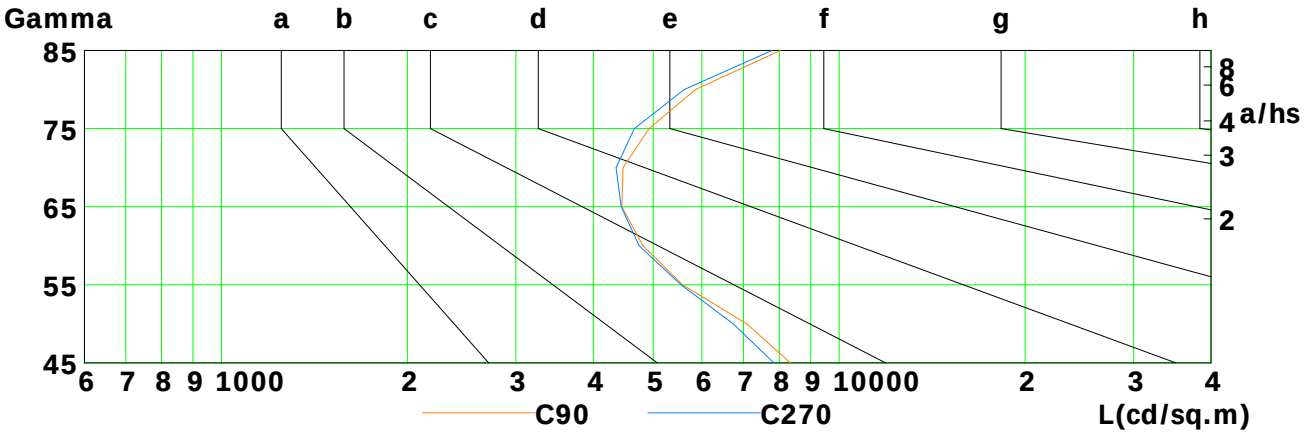
(10%): 0.8 lx	(20%): 1.6 lx
(25%): 2.0 lx	(30%): 2.4 lx
(40%): 3.3 lx	(50%): 4.1 lx
(60%): 4.9 lx	(70%): 5.7 lx
(80%): 6.5 lx	(90%): 7.3 lx

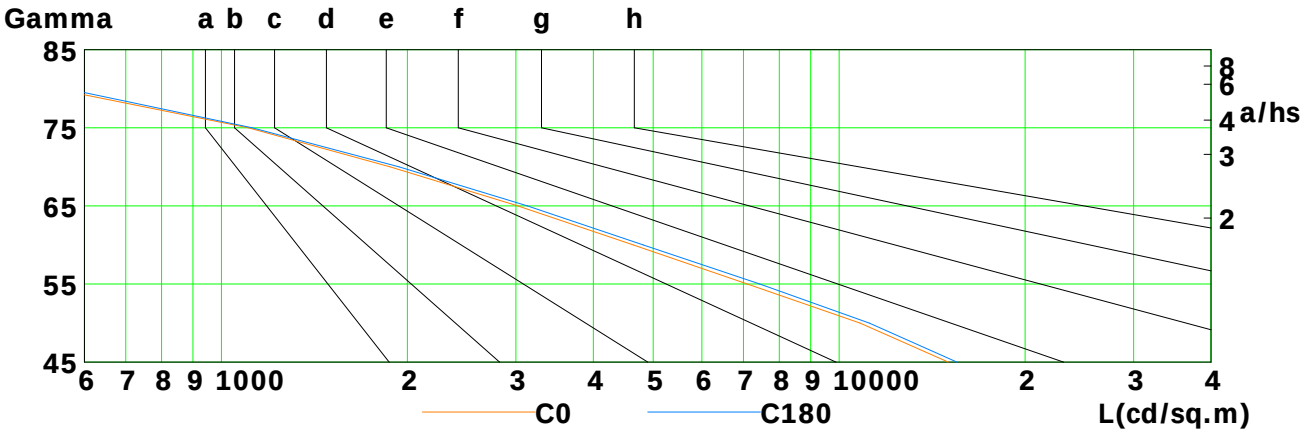
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



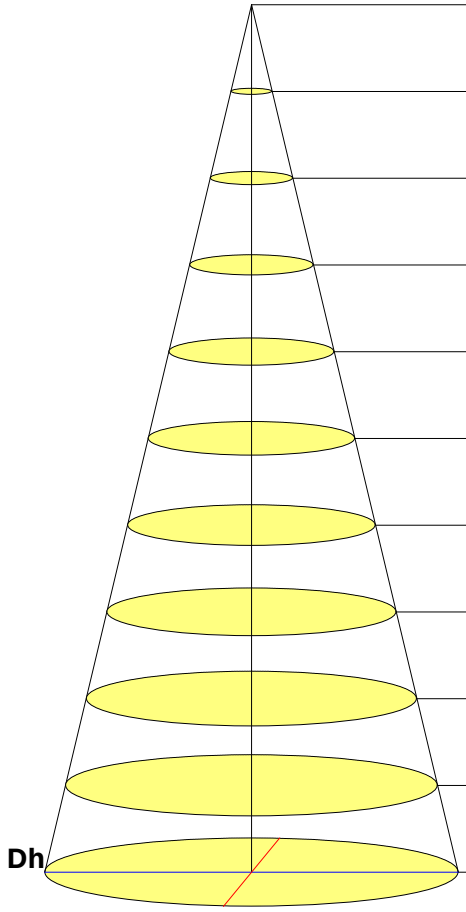


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	15023	10815	7103	4644	3021	1877	1106	539	155
C90	8349	7087	5584	4814	4449	4472	4926	5859	8030
C180	15524	11194	7441	4823	3130	1941	1122	564	169
C270	7845	6741	5549	4748	4440	4354	4664	5613	7786

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



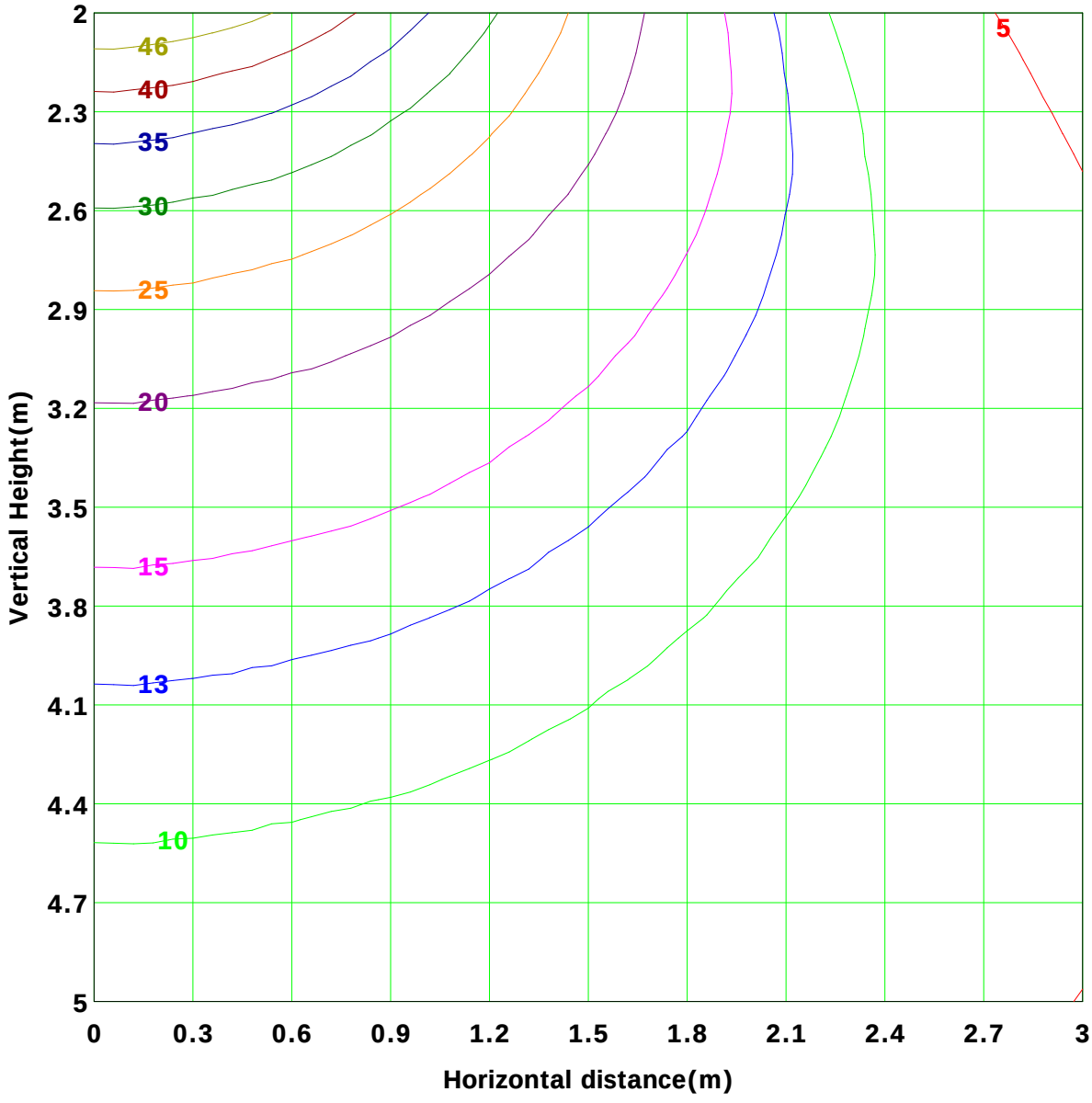
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	201.87	2.12/0.51	0.8	72.56
2.0	50.47	4.24/1.03	3.3	18.14
3.0	22.43	6.37/1.54	7.3	8.06
4.0	12.62	8.49/2.05	13.0	4.54
5.0	8.07	10.61/2.56	20.4	2.90
6.0	5.61	12.73/3.08	29.3	2.02
7.0	4.12	14.86/3.59	39.9	1.48
8.0	3.15	16.98/4.10	52.2	1.13
9.0	2.49	19.10/4.62	66.0	0.90
10.0	2.02	21.22/5.13	81.5	0.73

Beam Angle(B): H93.4 V28.8 Field Angle(F): H131.6 V102.7

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: 50.6 lx

(10%): 5.1 lx	(20%): 10.1 lx
(25%): 12.6 lx	(30%): 15.2 lx
(40%): 20.2 lx	(50%): 25.3 lx
(60%): 30.3 lx	(70%): 35.4 lx
(80%): 40.4 lx	(90%): 45.5 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:

Area Flux Table

Unit: lm

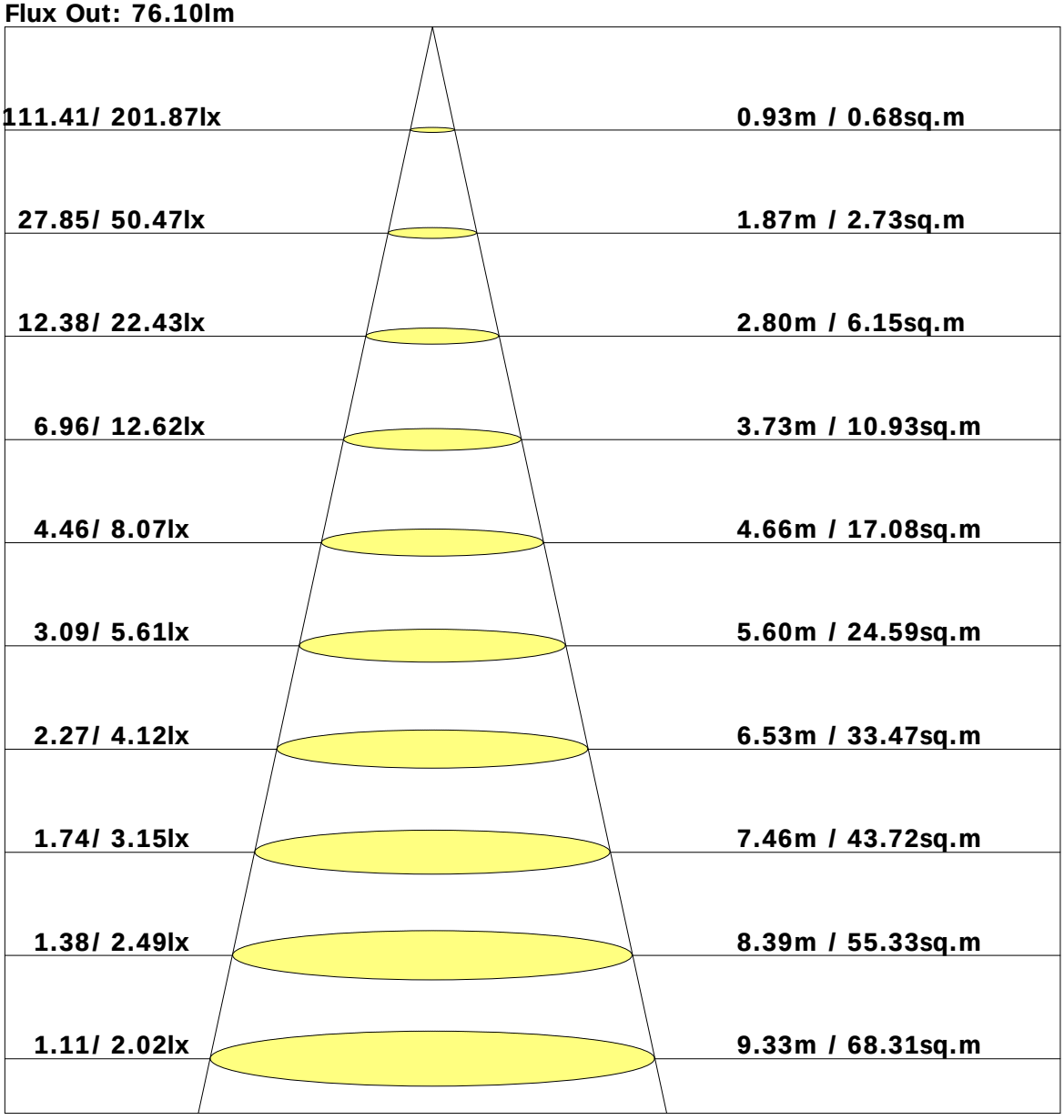
Horizontal plane	Vertical plane																									Flux(T)	Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)						
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0						
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0						
-70	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	2.5	0.7						
-60	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.5	0.9	0.9	0.7	0.5	0.3	0.2	0.1	0.1	0.1	0.0	0.0	6.1	4.3						
-50	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.8	1.4	2.1	2.1	0.9	0.5	0.3	0.2	0.1	0.1	0.1	0.0	11.7	9.6						
-40	0.1	0.2	0.2	0.3	0.3	0.5	0.7	1.0	1.9	3.3	3.3	1.4	0.7	0.5	0.3	0.2	0.1	0.1	0.0	16.6	14.4						
-30	0.1	0.2	0.2	0.3	0.4	0.6	0.9	1.3	2.2	4.2	4.1	2.2	1.3	0.9	0.6	0.4	0.2	0.2	0.1	20.6	18.3						
-20	0.2	0.2	0.2	0.3	0.5	0.7	1.0	1.4	2.7	4.9	4.8	2.9	1.4	1.0	0.7	0.5	0.3	0.2	0.2	24.1	21.9						
-10	0.2	0.2	0.2	0.3	0.5	0.8	1.1	1.5	2.9	5.4	5.3	3.1	1.5	1.1	0.8	0.5	0.3	0.2	0.2	26.1	23.9						
0	0.2	0.2	0.2	0.3	0.5	0.8	1.1	1.5	2.9	5.4	5.3	3.1	1.6	1.1	0.8	0.5	0.3	0.2	0.2	26.2	24.0						
10	0.2	0.2	0.2	0.3	0.5	0.7	1.1	1.4	2.7	5.0	4.8	3.0	1.5	1.1	0.8	0.5	0.3	0.2	0.2	24.3	22.1						
20	0.1	0.2	0.2	0.3	0.4	0.6	0.9	1.2	2.2	4.2	4.1	2.4	1.4	0.9	0.7	0.4	0.2	0.2	0.2	20.7	18.4						
30	0.1	0.1	0.2	0.2	0.3	0.5	0.7	0.9	1.9	3.3	3.2	2.0	1.0	0.7	0.5	0.3	0.2	0.2	0.1	16.5	14.2						
40	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.8	1.4	2.1	2.0	1.4	0.8	0.5	0.3	0.2	0.2	0.1	0.1	11.5	9.3						
50	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.7	1.0	0.9	0.9	0.7	0.5	0.3	0.2	0.2	0.1	0.1	0.1	6.0	4.2						
60	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.7	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	2.4	0.6						
70	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0						
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	0.1	0.0						
90	1.6	2.1	2.9	4.4	6.7	9.1	13.2	24.4	41.7	42.4	25.7	14.2	9.8	7.1	4.5	3.0	2.2	1.7	217								
Flux(T)	0.0	0.0	0.0	0.2	0.4	0.5	8.0	12.7	24.0	41.4	25.3	13.6	8.8	5.1	0.4	0.0	0.0	0.0	0.0	186							
Flux(E)	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	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: 76.10lm



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	22.8	24.1	23.2	24.5	24.9	16.8	18.1	17.3	18.5	19.0
3H	23.9	25.0	24.3	25.5	25.9	18.0	19.2	18.5	19.6	20.1
4H	24.2	25.3	24.7	25.7	26.2	18.6	19.7	19.1	20.2	20.6
6H	24.4	25.4	24.9	25.9	26.4	19.2	20.2	19.7	20.7	21.2
8H	24.4	25.4	24.9	25.9	26.4	19.5	20.4	20.0	20.9	21.4
12H	24.4	25.3	24.9	25.8	26.3	19.7	20.6	20.2	21.1	21.7
X=4H Y=2H	22.7	23.8	23.2	24.2	24.7	17.5	18.6	17.9	19.0	19.5
3H	23.9	24.8	24.4	25.3	25.8	18.9	19.8	19.4	20.3	20.8
4H	24.3	25.2	24.8	25.7	26.2	19.6	20.5	20.1	21.0	21.5
6H	24.6	25.3	25.1	25.9	26.4	20.3	21.1	20.9	21.6	22.2
8H	24.7	25.3	25.2	25.9	26.4	20.7	21.4	21.2	21.9	22.5
12H	24.7	25.3	25.2	25.8	26.4	21.0	21.6	21.6	22.2	22.8
X=8H Y=4H	24.3	25.0	24.9	25.5	26.1	20.0	20.7	20.6	21.2	21.8
6H	24.7	25.2	25.2	25.8	26.4	20.9	21.5	21.5	22.0	22.6
8H	24.8	25.3	25.4	25.9	26.5	21.4	21.9	22.0	22.5	23.1
12H	24.9	25.3	25.4	25.9	26.5	21.9	22.3	22.4	22.9	23.5
X=12H Y=4H	24.3	24.9	24.9	25.5	26.0	20.1	20.7	20.6	21.2	21.8
6H	24.7	25.2	25.3	25.7	26.4	21.0	21.5	21.6	22.1	22.7
8H	24.8	25.3	25.4	25.8	26.5	21.6	22.0	22.1	22.6	23.2

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 = 0.75								
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	0.65	0.74	0.80	0.85	0.91	0.95	0.98	1.02	1.04
	0.30		0.58	0.67	0.74	0.79	0.86	0.90	0.94	0.98	1.01
	0.20		0.53	0.62	0.69	0.74	0.81	0.86	0.90	0.95	0.98
0.50	0.50	0.20	0.63	0.71	0.77	0.81	0.87	0.91	0.93	0.97	0.99
	0.30		0.57	0.65	0.72	0.76	0.83	0.87	0.90	0.94	0.97
	0.20		0.52	0.61	0.67	0.72	0.79	0.84	0.87	0.91	0.94
0.30	0.50	0.20	0.61	0.69	0.74	0.78	0.84	0.87	0.89	0.93	0.94
	0.30		0.56	0.64	0.70	0.74	0.80	0.84	0.87	0.90	0.93
	0.20		0.52	0.60	0.66	0.71	0.77	0.81	0.84	0.88	0.91
0.00	0.00	0.00	0.49	0.57	0.63	0.67	0.73	0.76	0.79	0.83	0.85

Rating:3W 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 = 0.75								
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	0.86	0.71	0.60	0.52	0.41	0.35	0.30	0.23	0.19
	0.30		0.72	0.60	0.52	0.46	0.38	0.32	0.27	0.22	0.18
	0.20		0.61	0.53	0.46	0.41	0.34	0.29	0.26	0.20	0.17
0.50	0.50	0.20	0.82	0.67	0.57	0.49	0.39	0.36	0.28	0.22	0.18
	0.30		0.69	0.58	0.50	0.44	0.36	0.30	0.26	0.20	0.17
	0.20		0.60	0.51	0.45	0.40	0.33	0.28	0.24	0.19	0.16
0.30	0.50	0.20	0.78	0.63	0.53	0.46	0.37	0.30	0.26	0.20	0.17
	0.30		0.67	0.56	0.48	0.42	0.34	0.28	0.24	0.19	0.16
	0.20		0.58	0.50	0.43	0.38	0.31	0.27	0.23	0.18	0.15
0.00	0.00	0.00	0.47	0.39	0.33	0.29	0.23	0.19	0.17	0.13	0.11

Rating:3W 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 = 0.75								
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	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.26
	0.30		0.14	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.24
	0.20		0.10	0.11	0.13	0.14	0.16	0.18	0.19	0.21	0.22
0.50	0.50	0.20	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25
	0.30		0.14	0.15	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.20	0.21
0.30	0.50	0.20	0.18	0.20	0.20	0.21	0.22	0.23	0.23	0.23	0.24
	0.30		0.13	0.15	0.16	0.17	0.18	0.20	0.20	0.21	0.22
	0.20		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.19	0.20
0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Rating:3W 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	202.6	0.2	0.2	0.09	0.09
1.0-2.0	201.7	0.6	0.8	0.25	0.34
2.0-3.0	199.8	1.0	1.7	0.42	0.76
3.0-4.0	197.0	1.3	3.0	0.58	1.34
4.0-5.0	193.6	1.7	4.7	0.73	2.07
5.0-6.0	189.5	2.0	6.7	0.88	2.95
6.0-7.0	184.9	2.3	9.0	1.01	3.96
7.0-8.0	179.8	2.6	11.6	1.13	5.09
8.0-9.0	174.5	2.8	14.4	1.24	6.33
9.0-10.0	168.9	3.1	17.5	1.34	7.68
10.0-11.0	163.2	3.3	20.7	1.43	9.11
11.0-12.0	157.5	3.4	24.2	1.51	10.62
12.0-13.0	151.7	3.6	27.8	1.58	12.21
13.0-14.0	145.8	3.7	31.5	1.64	13.85
14.0-15.0	139.9	3.8	35.3	1.69	15.54
15.0-16.0	134.0	3.9	39.3	1.73	17.27
16.0-17.0	128.4	4.0	43.3	1.76	19.02
17.0-18.0	122.7	4.0	47.3	1.78	20.80
18.0-19.0	117.3	4.1	51.4	1.79	22.60
19.0-20.0	112.2	4.1	55.5	1.81	24.40
20.0-21.0	107.3	4.1	59.6	1.81	26.21
21.0-22.0	102.6	4.1	63.7	1.81	28.03
22.0-23.0	98.3	4.1	67.9	1.81	29.84
23.0-24.0	94.2	4.1	72.0	1.81	31.65
24.0-25.0	90.4	4.1	76.1	1.81	33.46
25.0-26.0	86.9	4.1	80.2	1.80	35.27
26.0-27.0	83.5	4.1	84.3	1.80	37.06
27.0-28.0	80.3	4.1	88.4	1.79	38.85
28.0-29.0	77.4	4.0	92.4	1.78	40.63
29.0-30.0	74.7	4.0	96.4	1.77	42.40
30.0-31.0	72.1	4.0	100.5	1.76	44.17
31.0-32.0	69.7	4.0	104.4	1.76	45.92
32.0-33.0	67.4	4.0	108.4	1.75	47.67
33.0-34.0	65.2	3.9	112.4	1.74	49.41
34.0-35.0	63.2	3.9	116.3	1.73	51.13
35.0-36.0	61.2	3.9	120.2	1.71	52.85

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	59.3	3.9	124.1	1.70	54.55
37.0-38.0	57.4	3.8	127.9	1.68	56.23
38.0-39.0	55.7	3.8	131.7	1.67	57.90
39.0-40.0	54.0	3.8	135.5	1.66	59.56
40.0-41.0	52.2	3.7	139.2	1.63	61.19
41.0-42.0	50.4	3.7	142.8	1.61	62.80
42.0-43.0	48.5	3.6	146.4	1.58	64.38
43.0-44.0	46.6	3.5	149.9	1.55	65.93
44.0-45.0	44.6	3.4	153.4	1.51	67.43
45.0-46.0	42.8	3.3	156.7	1.47	68.90
46.0-47.0	40.8	3.2	160.0	1.43	70.33
47.0-48.0	38.8	3.1	163.1	1.38	71.71
48.0-49.0	36.8	3.0	166.1	1.33	73.04
49.0-50.0	34.8	2.9	169.0	1.28	74.31
50.0-51.0	32.8	2.8	171.8	1.22	75.53
51.0-52.0	30.8	2.6	174.4	1.16	76.69
52.0-53.0	28.9	2.5	176.9	1.10	77.80
53.0-54.0	27.0	2.4	179.3	1.05	78.84
54.0-55.0	25.3	2.3	181.6	0.99	79.84
55.0-56.0	23.7	2.1	183.7	0.94	80.78
56.0-57.0	22.2	2.0	185.8	0.89	81.67
57.0-58.0	20.7	1.9	187.7	0.84	82.52
58.0-59.0	19.4	1.8	189.5	0.80	83.31
59.0-60.0	18.2	1.7	191.2	0.76	84.07
60.0-61.0	17.1	1.6	192.8	0.72	84.79
61.0-62.0	16.0	1.5	194.4	0.68	85.47
62.0-63.0	15.1	1.5	195.8	0.64	86.11
63.0-64.0	14.2	1.4	197.2	0.61	86.72
64.0-65.0	13.3	1.3	198.6	0.58	87.30
65.0-66.0	12.6	1.3	199.8	0.55	87.85
66.0-67.0	11.8	1.2	201.0	0.52	88.38
67.0-68.0	11.1	1.1	202.1	0.50	88.87
68.0-69.0	10.5	1.1	203.2	0.47	89.34
69.0-70.0	9.9	1.0	204.2	0.45	89.79
70.0-71.0	9.4	1.0	205.2	0.43	90.22
71.0-72.0	8.9	0.9	206.1	0.40	90.62

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	8.4	0.9	207.0	0.39	91.01
73.0-74.0	7.9	0.8	207.8	0.37	91.37
74.0-75.0	7.5	0.8	208.6	0.35	91.72
75.0-76.0	7.1	0.8	209.4	0.33	92.06
76.0-77.0	6.8	0.7	210.1	0.32	92.37
77.0-78.0	6.4	0.7	210.8	0.30	92.68
78.0-79.0	6.1	0.7	211.4	0.29	92.97
79.0-80.0	5.8	0.6	212.1	0.27	93.24
80.0-81.0	5.5	0.6	212.7	0.26	93.50
81.0-82.0	5.2	0.6	213.2	0.25	93.75
82.0-83.0	5.0	0.5	213.8	0.24	93.99
83.0-84.0	4.7	0.5	214.3	0.22	94.21
84.0-85.0	4.4	0.5	214.8	0.21	94.42
85.0-86.0	4.2	0.5	215.2	0.20	94.62
86.0-87.0	4.0	0.4	215.6	0.19	94.82
87.0-88.0	3.8	0.4	216.1	0.18	95.00
88.0-89.0	3.6	0.4	216.4	0.17	95.17
89.0-90.0	3.4	0.4	216.8	0.17	95.33
90.0-91.0	3.3	0.4	217.2	0.16	95.50
91.0-92.0	3.2	0.4	217.5	0.15	95.65
92.0-93.0	3.1	0.3	217.9	0.15	95.80
93.0-94.0	3.0	0.3	218.2	0.14	95.94
94.0-95.0	2.9	0.3	218.5	0.14	96.08
95.0-96.0	2.8	0.3	218.8	0.13	96.22
96.0-97.0	2.7	0.3	219.1	0.13	96.35
97.0-98.0	2.6	0.3	219.4	0.13	96.47
98.0-99.0	2.6	0.3	219.7	0.12	96.60
99.0-100.0	2.5	0.3	220.0	0.12	96.71
100.0-101.0	2.4	0.3	220.2	0.11	96.83
101.0-102.0	2.3	0.3	220.5	0.11	96.94
102.0-103.0	2.3	0.2	220.7	0.11	97.04
103.0-104.0	2.2	0.2	220.9	0.10	97.15
104.0-105.0	2.1	0.2	221.2	0.10	97.25
105.0-106.0	2.1	0.2	221.4	0.10	97.34
106.0-107.0	2.0	0.2	221.6	0.09	97.44
107.0-108.0	2.0	0.2	221.8	0.09	97.53

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	2.0	0.2	222.0	0.09	97.62
109.0-110.0	1.9	0.2	222.2	0.09	97.71
110.0-111.0	1.9	0.2	222.4	0.08	97.79
111.0-112.0	1.8	0.2	222.6	0.08	97.87
112.0-113.0	1.8	0.2	222.8	0.08	97.96
113.0-114.0	1.8	0.2	223.0	0.08	98.03
114.0-115.0	1.8	0.2	223.1	0.08	98.11
115.0-116.0	1.7	0.2	223.3	0.07	98.19
116.0-117.0	1.7	0.2	223.5	0.07	98.26
117.0-118.0	1.6	0.2	223.6	0.07	98.33
118.0-119.0	1.6	0.2	223.8	0.07	98.40
119.0-120.0	1.6	0.2	223.9	0.07	98.46
120.0-121.0	1.6	0.1	224.1	0.06	98.53
121.0-122.0	1.5	0.1	224.2	0.06	98.59
122.0-123.0	1.5	0.1	224.4	0.06	98.65
123.0-124.0	1.5	0.1	224.5	0.06	98.71
124.0-125.0	1.4	0.1	224.6	0.06	98.77
125.0-126.0	1.4	0.1	224.8	0.06	98.82
126.0-127.0	1.4	0.1	224.9	0.05	98.87
127.0-128.0	1.3	0.1	225.0	0.05	98.93
128.0-129.0	1.3	0.1	225.1	0.05	98.98
129.0-130.0	1.3	0.1	225.2	0.05	99.02
130.0-131.0	1.3	0.1	225.3	0.05	99.07
131.0-132.0	1.2	0.1	225.4	0.04	99.11
132.0-133.0	1.2	0.1	225.5	0.04	99.15
133.0-134.0	1.2	0.1	225.6	0.04	99.20
134.0-135.0	1.1	0.1	225.7	0.04	99.23
135.0-136.0	1.1	0.1	225.8	0.04	99.27
136.0-137.0	1.1	0.1	225.9	0.04	99.31
137.0-138.0	1.1	0.1	225.9	0.03	99.34
138.0-139.0	1.0	0.1	226.0	0.03	99.38
139.0-140.0	1.0	0.1	226.1	0.03	99.41
140.0-141.0	1.0	0.1	226.2	0.03	99.44
141.0-142.0	1.0	0.1	226.2	0.03	99.47
142.0-143.0	0.9	0.1	226.3	0.03	99.50
143.0-144.0	0.9	0.1	226.3	0.03	99.52

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	0.9	0.1	226.4	0.03	99.55
145.0-146.0	0.9	0.1	226.5	0.02	99.57
146.0-147.0	0.9	0.1	226.5	0.02	99.60
147.0-148.0	0.9	0.1	226.6	0.02	99.62
148.0-149.0	0.9	0.1	226.6	0.02	99.64
149.0-150.0	0.9	0.0	226.7	0.02	99.66
150.0-151.0	0.9	0.0	226.7	0.02	99.68
151.0-152.0	0.9	0.0	226.8	0.02	99.70
152.0-153.0	0.9	0.0	226.8	0.02	99.72
153.0-154.0	0.9	0.0	226.8	0.02	99.74
154.0-155.0	0.9	0.0	226.9	0.02	99.76
155.0-156.0	0.9	0.0	226.9	0.02	99.78
156.0-157.0	0.9	0.0	227.0	0.02	99.79
157.0-158.0	0.9	0.0	227.0	0.02	99.81
158.0-159.0	0.9	0.0	227.0	0.02	99.83
159.0-160.0	0.9	0.0	227.1	0.02	99.84
160.0-161.0	0.9	0.0	227.1	0.01	99.86
161.0-162.0	0.9	0.0	227.1	0.01	99.87
162.0-163.0	0.9	0.0	227.2	0.01	99.88
163.0-164.0	0.9	0.0	227.2	0.01	99.90
164.0-165.0	0.9	0.0	227.2	0.01	99.91
165.0-166.0	1.0	0.0	227.3	0.01	99.92
166.0-167.0	1.0	0.0	227.3	0.01	99.93
167.0-168.0	1.0	0.0	227.3	0.01	99.94
168.0-169.0	1.0	0.0	227.3	0.01	99.95
169.0-170.0	1.0	0.0	227.3	0.01	99.96
170.0-171.0	1.0	0.0	227.4	0.01	99.97
171.0-172.0	1.0	0.0	227.4	0.01	99.97
172.0-173.0	1.0	0.0	227.4	0.01	99.98
173.0-174.0	1.0	0.0	227.4	0.01	99.99
174.0-175.0	1.0	0.0	227.4	0.00	99.99
175.0-176.0	1.0	0.0	227.4	0.00	99.99
176.0-177.0	1.0	0.0	227.4	0.00	100.00
177.0-178.0	1.0	0.0	227.4	0.00	100.00
178.0-179.0	1.0	0.0	227.4	0.00	100.00
179.0-180.0	1.0	0.0	227.4	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: