ACOLYTE
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Report No.: **Test Time: 2020/11/16 15:52**

Luminaire Property

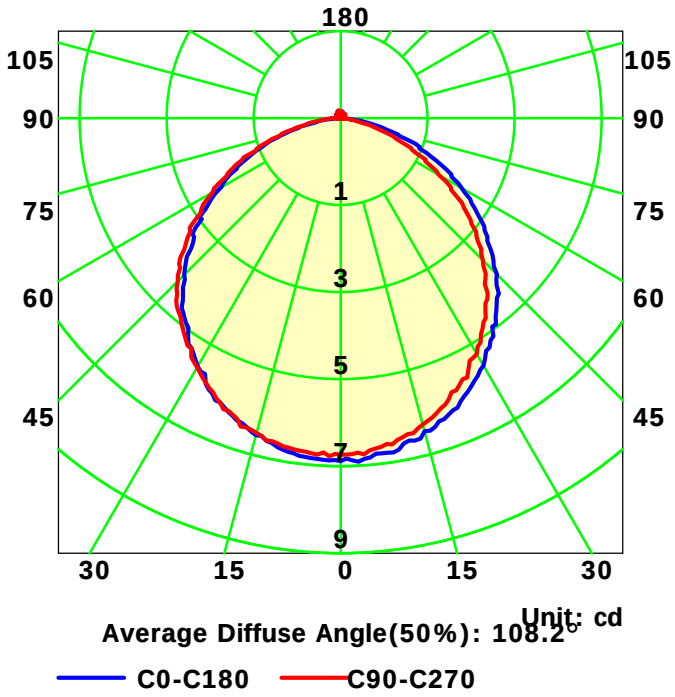
Luminaire Manufacturer:
Luminaire Category: Silhouette 3.0
Luminaire Description: RB0SCS2203.0A-8N
Lamp Catalog: 8N-A
Lamp Description: 2835 AMBER
Number of Lamps: 160
Luminous Length (mm): 500
Luminous Width (mm): 6
Luminous Height (mm): 12
Voltage: 24.0 V
Current: 0.205 A
Power: 4.92 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 19.8 lm
Measurement Flux: 19.8 lm
Efficiency: 100%
Downward Ratio: 98%
Upward Ratio: 2%
Horizontal Diffuse Angle(10%,50%): H157.7,H109.4
Vertical Diffuse Angle(10%,50%): V155.8,V107.1
Luminaire Efficacy Rating (LER): 4
Central Intensity: 7.33 cd
Max. Intensity: 7.35 cd
Pos of Max. Intensity: H0 V3

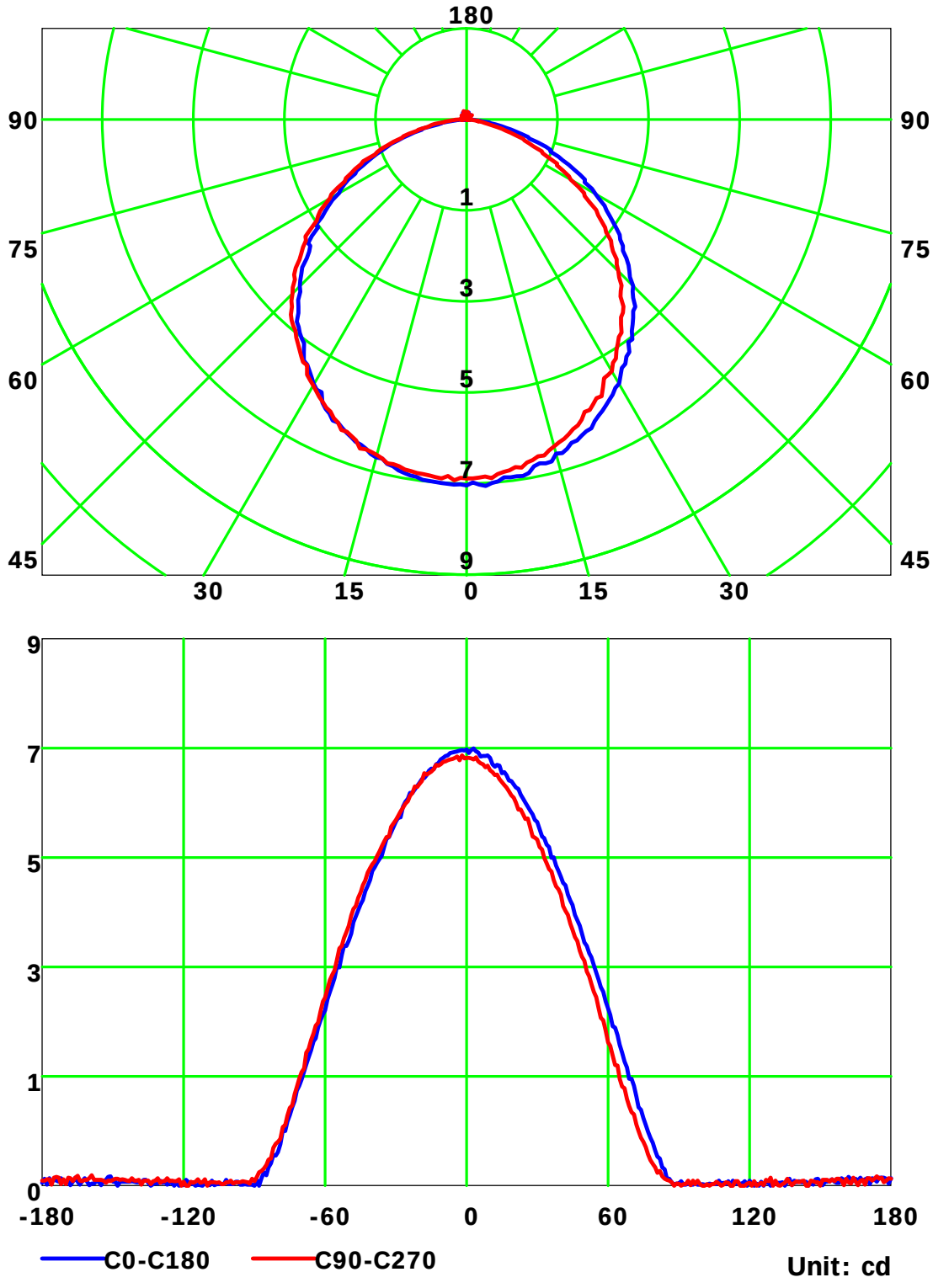
Picture Of Luminaire

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



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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
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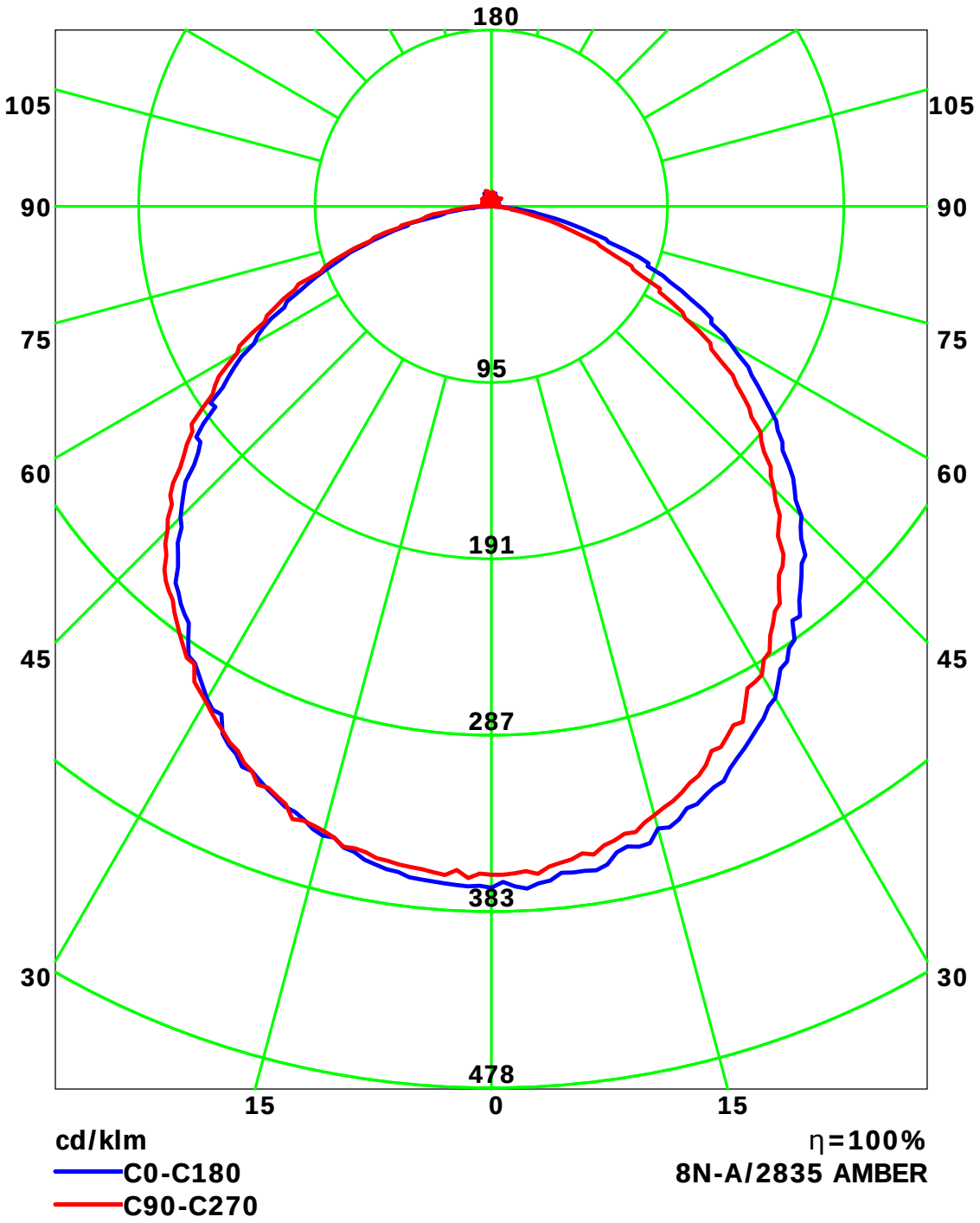
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

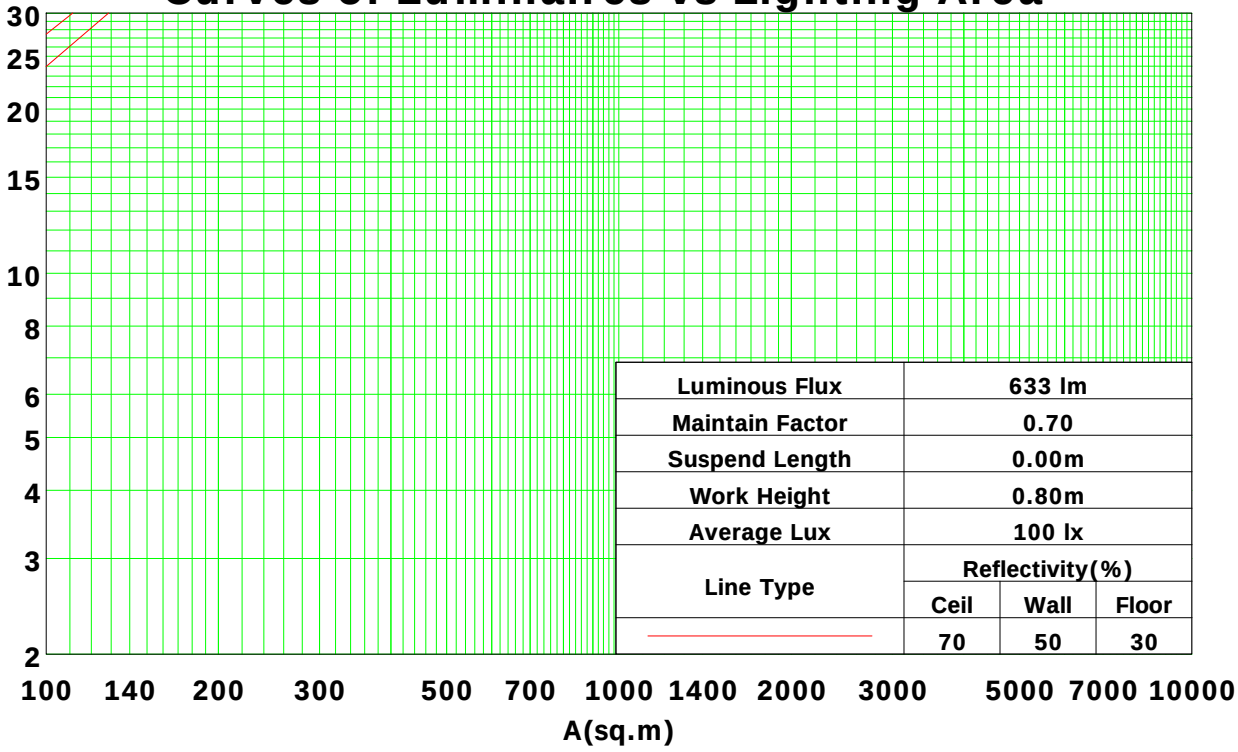
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	102	98	95	97	94	91	93	90	88	89	87	85	83
2	99	91	84	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70
3	90	80	72	66	88	78	71	65	75	69	64	72	67	62	69	65	61	59
4	83	71	63	56	80	70	62	55	67	60	54	64	58	54	62	57	53	50
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	46	40	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	32	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	39	32	27	37	31	27	36	31	26	25

Spacing Criteria (0-180): 1.23
Spacing Criteria (90-270): 1.24
Spacing Criteria (Diagonal): 1.34

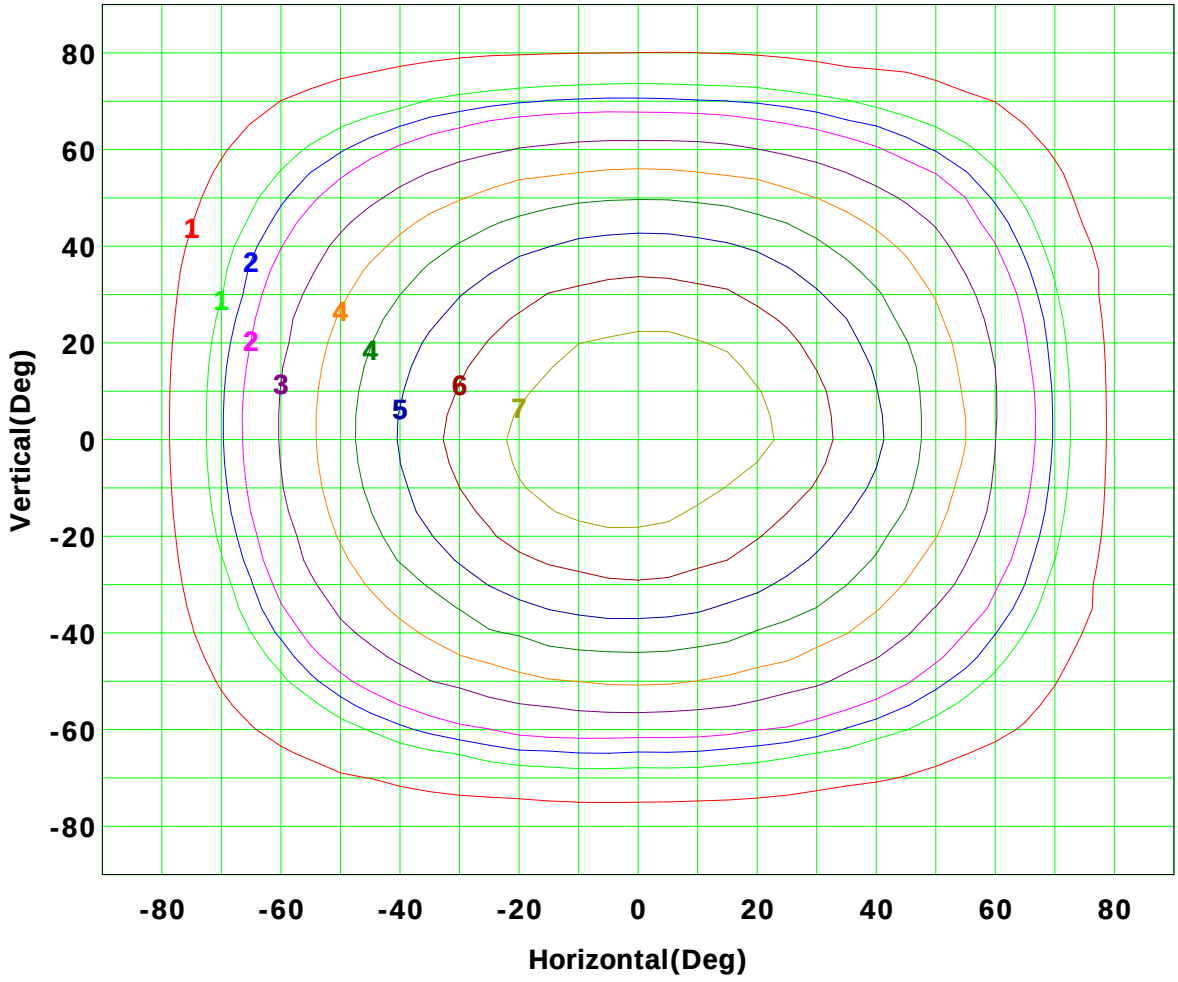
Curves of Luminaires vs Lighting Area



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)



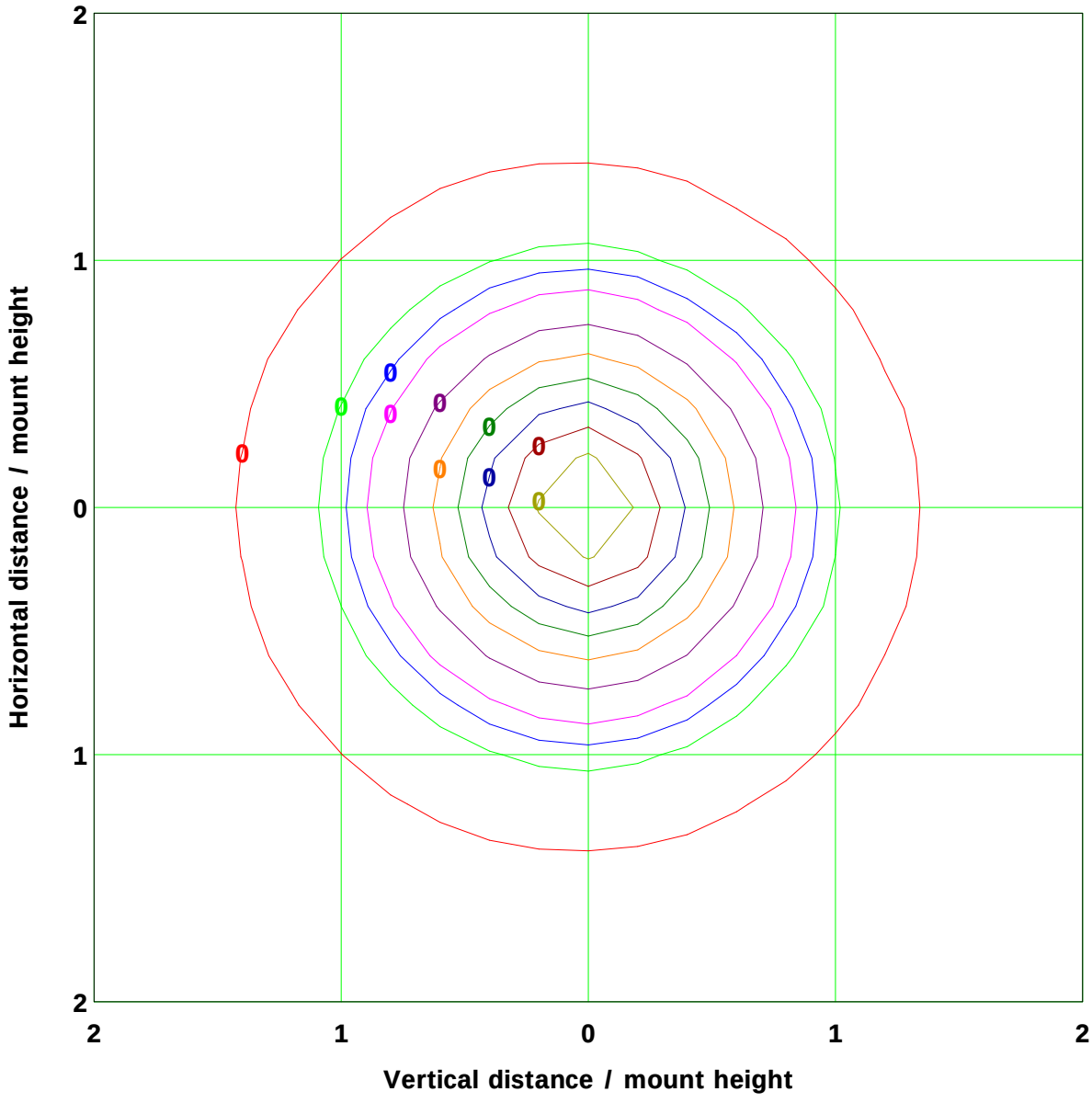
Imax (100%): 7 cd

(10%):	1 cd	(20%):	1 cd
(25%):	2 cd	(30%):	2 cd
(40%):	3 cd	(50%):	4 cd
(60%):	4 cd	(70%):	5 cd
(80%):	6 cd	(90%):	7 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%): 0.3 lx

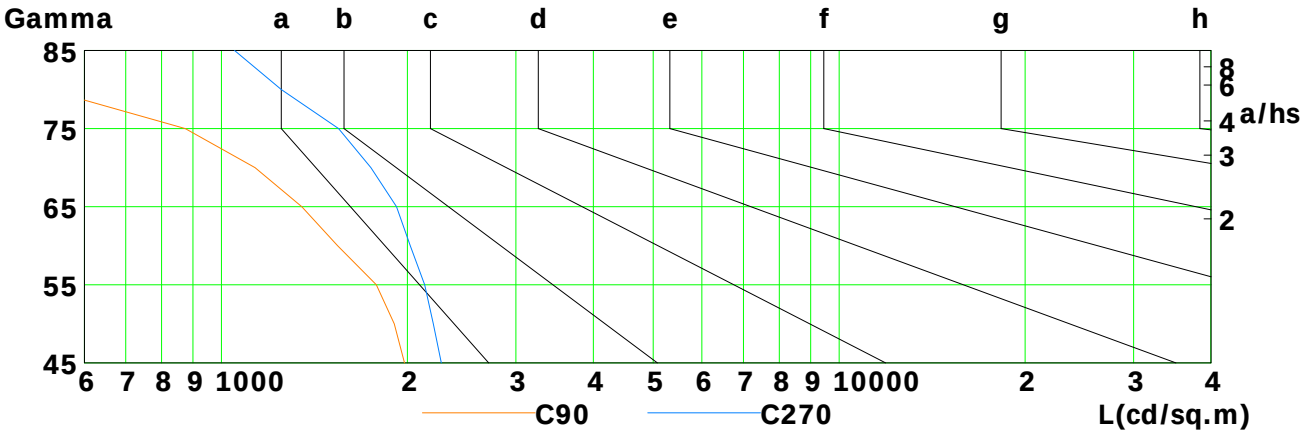
(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.1 lx	(50%): 0.1 lx
(60%): 0.2 lx	(70%): 0.2 lx
(80%): 0.2 lx	(90%): 0.3 lx

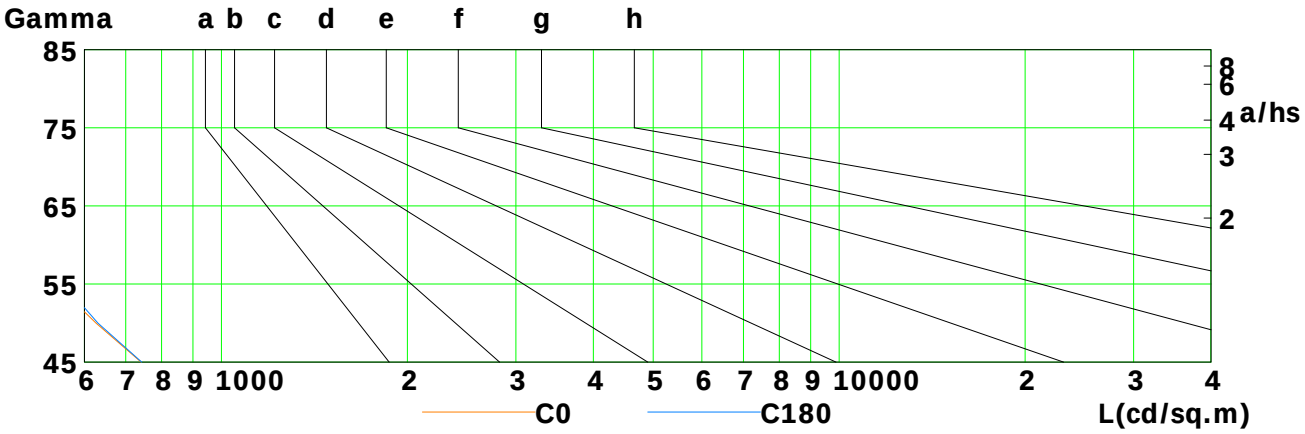
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



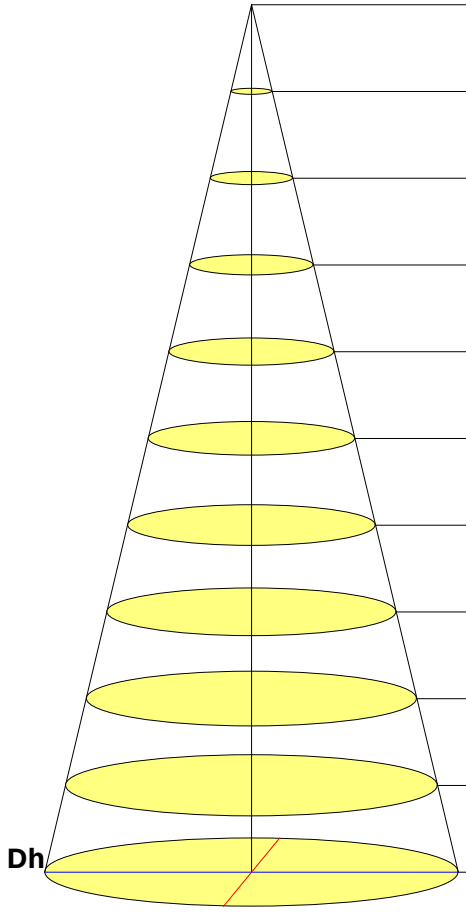


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	742	627	540	445	353	270	173	92	19
C90	1980	1906	1781	1543	1350	1134	875	524	300
C180	743	631	556	441	362	269	181	89	29
C270	2270	2203	2135	2023	1920	1746	1548	1250	1050

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



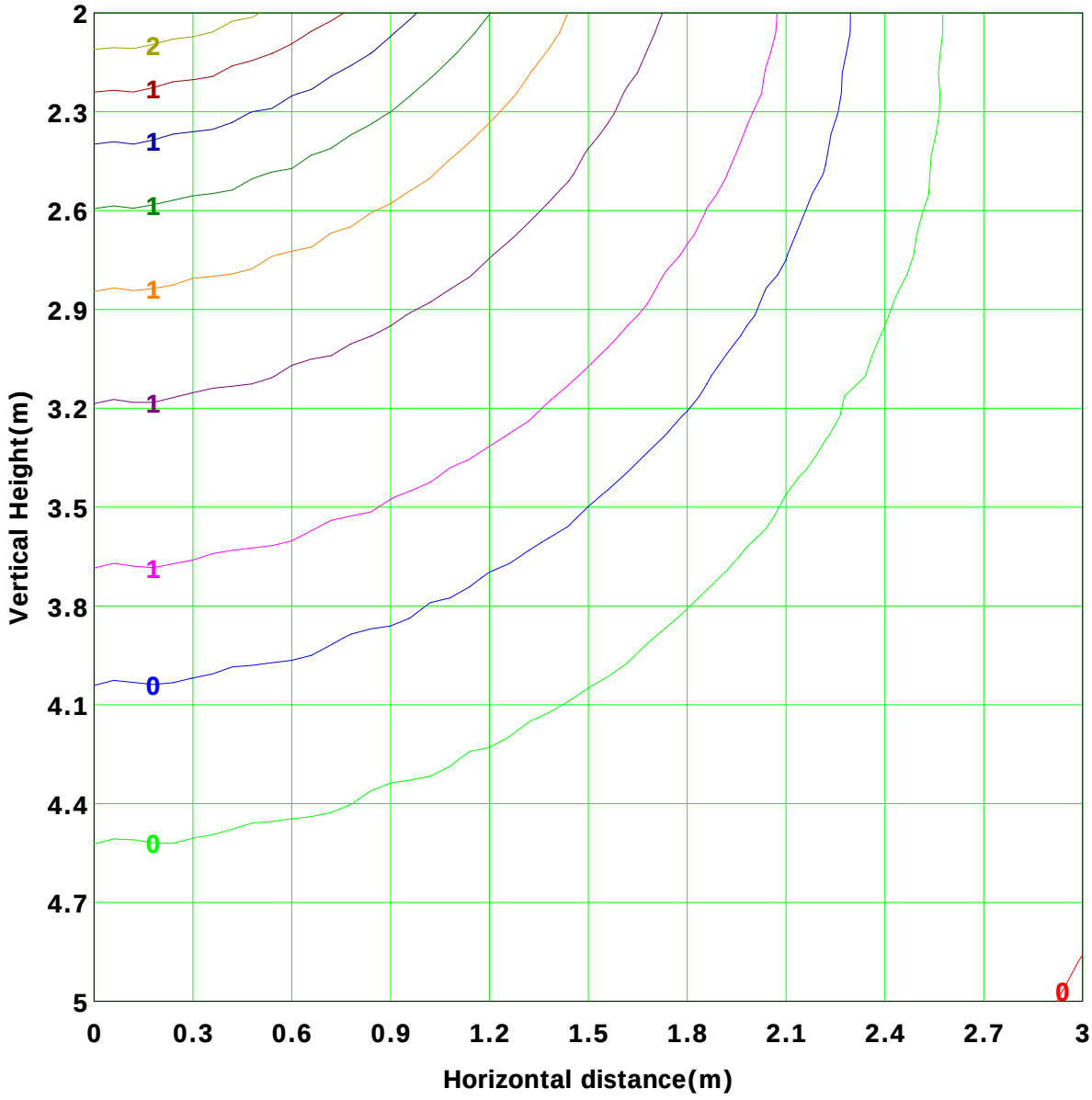
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7.33	2.82/2.71	6.1	1.29
2.0	1.83	5.65/5.41	24.5	0.32
3.0	0.81	8.47/8.12	55.1	0.14
4.0	0.46	11.30/10.83	97.9	0.08
5.0	0.29	14.12/13.53	153.0	0.05
6.0	0.20	16.95/16.24	220.4	0.04
7.0	0.15	19.77/18.94	299.9	0.03
8.0	0.11	22.60/21.65	391.7	0.02
9.0	0.09	25.42/24.36	495.8	0.02
10.0	0.07	28.24/27.06	612.1	0.01

Beam Angle(B): H109.4 V107.1 Field Angle(F): H157.7 V155.8

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: 1.8 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.5 lx
(40%): 0.7 lx	(50%): 0.9 lx
(60%): 1.1 lx	(70%): 1.3 lx
(80%): 1.5 lx	(90%): 1.6 lx

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

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

Area Flux Table

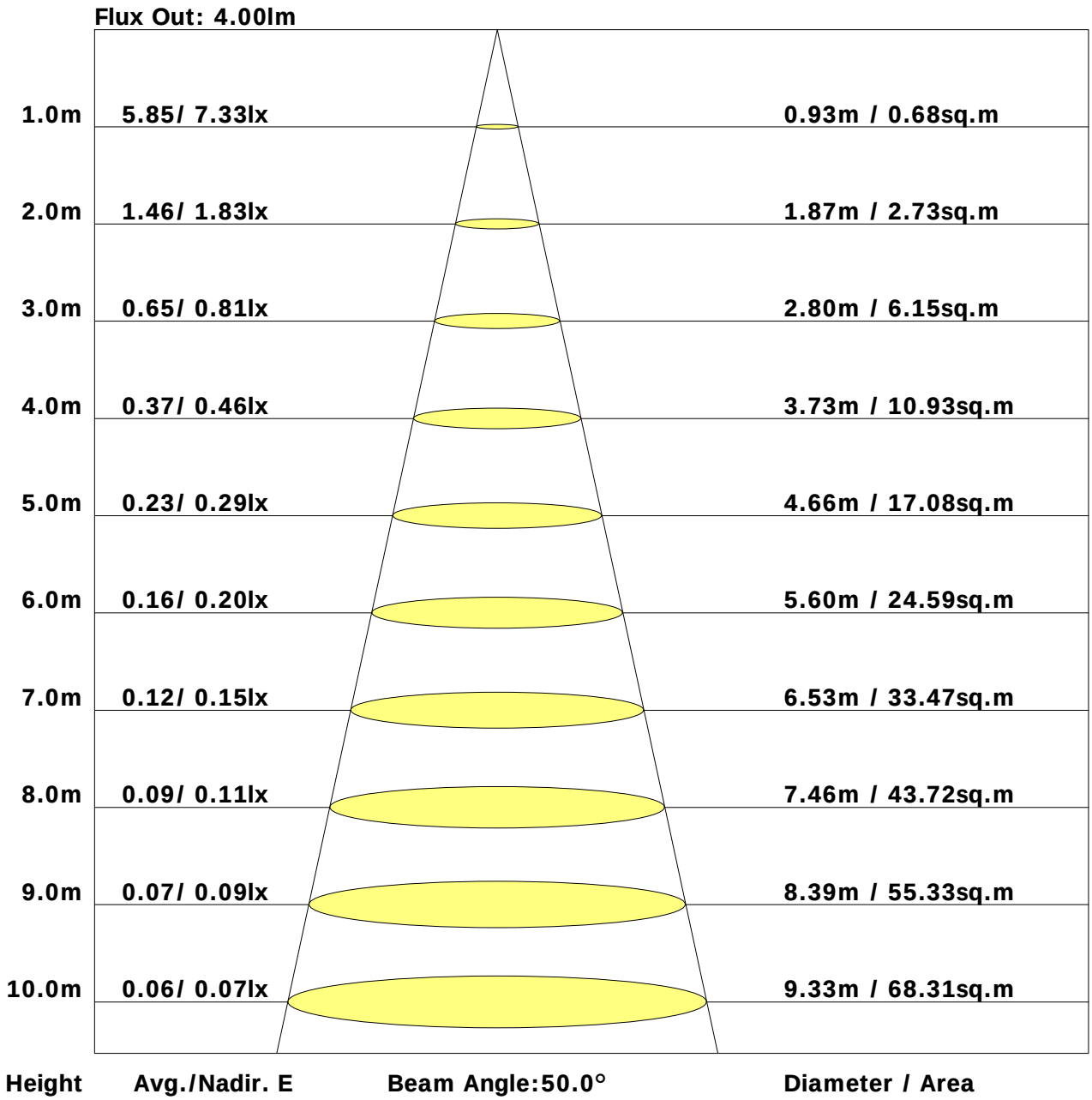
Unit: lm

Horizontal plane	Vertical plane																					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	0.0	0.0	0.0
-80	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	0.0	0.1	0.1	0.1
-70	0.3	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	0.3	0.3	0.3
-60	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
-50	1.0	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	0.0	0.0	0.0	0.0	1.0	1.0	1.0
-40	1.4	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	0.0	0.0	1.4	1.4	1.4
-30	1.8	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	0.1	0.0	0.0	1.8	1.8	1.8
-20	2.1	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.1	2.1	2.1
-10	2.2	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.3	2.3	2.2
0	2.2	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.3	2.3	2.2
10	2.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	2.1	2.1	2.1
20	1.8	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	1.8	1.8	1.8
30	1.4	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	0.0	0.0	1.5	1.5	1.4
40	1.0	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	0.0	0.0	0.0	0.0	1.0	1.0	1.0
50	0.6	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	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
60	0.3	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	0.3	0.3	0.3
70	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	0.0	0.1	0.1	0.1
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	0.0	0.0	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			
Flux(T)	19	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)	19	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.9	1.1	1.1	1.4	1.4	1.6	1.6	1.8	1.9	1.9			

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

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

The Average Illuminance Effective Figure



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

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

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	25.8	27.3	26.2	27.7	28.1	22.4	24.0	22.8	24.3	24.7
3H	27.4	28.8	27.8	29.1	29.5	23.3	24.7	23.7	25.0	25.4
4H	27.9	29.2	28.3	29.6	30.1	23.4	24.8	23.9	25.1	25.6
6H	28.2	29.5	28.7	29.9	30.3	23.5	24.7	23.9	25.1	25.5
8H	28.3	29.5	28.8	29.9	30.4	23.4	24.6	23.9	25.0	25.5
12H	28.3	29.4	28.8	29.9	30.3	23.4	24.5	23.9	25.0	25.4
X=4H Y=2H	26.0	27.3	26.4	27.7	28.1	23.0	24.3	23.4	24.7	25.1
3H	27.7	28.8	28.1	29.2	29.7	24.0	25.1	24.4	25.5	25.9
4H	28.3	29.3	28.8	29.8	30.2	24.2	25.2	24.6	25.6	26.1
6H	28.7	29.6	29.2	30.1	30.6	24.2	25.1	24.7	25.6	26.1
8H	28.8	29.6	29.3	30.1	30.6	24.2	25.0	24.7	25.5	26.0
12H	28.8	29.5	29.3	30.1	30.6	24.2	24.9	24.7	25.4	26.0
X=8H Y=4H	28.3	29.2	28.8	29.6	30.1	24.3	25.1	24.8	25.6	26.1
6H	28.7	29.4	29.3	30.0	30.5	24.4	25.1	24.9	25.6	26.1
8H	28.9	29.5	29.4	30.0	30.5	24.4	25.0	24.9	25.5	26.1
12H	28.9	29.4	29.4	30.0	30.6	24.4	24.9	24.9	25.4	26.0
X=12H Y=4H	28.3	29.1	28.8	29.6	30.1	24.3	25.1	24.8	25.6	26.1
6H	28.7	29.3	29.3	29.8	30.4	24.4	25.0	24.9	25.5	26.1
8H	28.8	29.4	29.4	29.9	30.5	24.4	24.9	24.9	25.4	26.1

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	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.84	0.89	0.92	0.96	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.81	0.86	0.89	0.92	0.95
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.85	0.90	0.93
	0.20		0.43	0.53	0.60	0.66	0.73	0.79	0.82	0.87	0.91
0.00	0.00	0.00	0.41	0.51	0.57	0.63	0.70	0.75	0.78	0.83	0.85

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	0.98	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21
	0.30		0.82	0.69	0.59	0.52	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.65	0.56	0.45	0.40	0.31	0.24	0.20
	0.30		0.80	0.67	0.58	0.51	0.41	0.34	0.29	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.91	0.74	0.62	0.54	0.43	0.35	0.30	0.23	0.19
	0.30		0.78	0.65	0.56	0.49	0.39	0.33	0.28	0.22	0.18
	0.20		0.68	0.58	0.50	0.45	0.37	0.31	0.27	0.21	0.17
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.20	0.16	0.13

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	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.17	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23
	0.30		0.11	0.13	0.14	0.15	0.16	0.18	0.18	0.20	0.20
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

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	7.2	0.0	0.0	0.03	0.03
1.0-2.0	7.2	0.0	0.0	0.10	0.14
2.0-3.0	7.2	0.0	0.1	0.17	0.31
3.0-4.0	7.2	0.0	0.1	0.24	0.56
4.0-5.0	7.2	0.1	0.2	0.31	0.87
5.0-6.0	7.2	0.1	0.2	0.38	1.25
6.0-7.0	7.1	0.1	0.3	0.45	1.70
7.0-8.0	7.1	0.1	0.4	0.52	2.21
8.0-9.0	7.1	0.1	0.6	0.58	2.80
9.0-10.0	7.1	0.1	0.7	0.65	3.45
10.0-11.0	7.1	0.1	0.8	0.71	4.16
11.0-12.0	7.0	0.2	1.0	0.78	4.93
12.0-13.0	7.0	0.2	1.1	0.84	5.77
13.0-14.0	7.0	0.2	1.3	0.90	6.67
14.0-15.0	6.9	0.2	1.5	0.96	7.63
15.0-16.0	6.9	0.2	1.7	1.02	8.65
16.0-17.0	6.8	0.2	1.9	1.08	9.72
17.0-18.0	6.8	0.2	2.1	1.13	10.85
18.0-19.0	6.7	0.2	2.4	1.18	12.04
19.0-20.0	6.7	0.2	2.6	1.24	13.27
20.0-21.0	6.6	0.3	2.9	1.29	14.56
21.0-22.0	6.6	0.3	3.1	1.33	15.89
22.0-23.0	6.5	0.3	3.4	1.38	17.27
23.0-24.0	6.5	0.3	3.7	1.43	18.70
24.0-25.0	6.4	0.3	4.0	1.47	20.17
25.0-26.0	6.3	0.3	4.3	1.51	21.68
26.0-27.0	6.3	0.3	4.6	1.54	23.22
27.0-28.0	6.2	0.3	4.9	1.58	24.80
28.0-29.0	6.1	0.3	5.2	1.61	26.41
29.0-30.0	6.0	0.3	5.6	1.65	28.06
30.0-31.0	6.0	0.3	5.9	1.67	29.73
31.0-32.0	5.9	0.3	6.2	1.70	31.43
32.0-33.0	5.8	0.3	6.6	1.73	33.16
33.0-34.0	5.7	0.3	6.9	1.75	34.91
34.0-35.0	5.6	0.4	7.3	1.77	36.67
35.0-36.0	5.5	0.4	7.6	1.78	38.45

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	5.4	0.4	8.0	1.79	40.24
37.0-38.0	5.4	0.4	8.3	1.81	42.05
38.0-39.0	5.3	0.4	8.7	1.82	43.87
39.0-40.0	5.2	0.4	9.1	1.83	45.70
40.0-41.0	5.1	0.4	9.4	1.83	47.53
41.0-42.0	5.0	0.4	9.8	1.84	49.36
42.0-43.0	4.9	0.4	10.1	1.83	51.20
43.0-44.0	4.8	0.4	10.5	1.83	53.02
44.0-45.0	4.7	0.4	10.9	1.82	54.84
45.0-46.0	4.6	0.4	11.2	1.81	56.65
46.0-47.0	4.5	0.4	11.6	1.80	58.45
47.0-48.0	4.4	0.4	11.9	1.78	60.23
48.0-49.0	4.3	0.3	12.3	1.76	62.00
49.0-50.0	4.1	0.3	12.6	1.75	63.74
50.0-51.0	4.0	0.3	13.0	1.73	65.47
51.0-52.0	3.9	0.3	13.3	1.71	67.17
52.0-53.0	3.8	0.3	13.6	1.68	68.85
53.0-54.0	3.7	0.3	14.0	1.64	70.50
54.0-55.0	3.6	0.3	14.3	1.61	72.11
55.0-56.0	3.5	0.3	14.6	1.58	73.70
56.0-57.0	3.3	0.3	14.9	1.54	75.24
57.0-58.0	3.2	0.3	15.2	1.51	76.75
58.0-59.0	3.1	0.3	15.5	1.47	78.21
59.0-60.0	3.0	0.3	15.8	1.42	79.63
60.0-61.0	2.8	0.3	16.0	1.37	81.00
61.0-62.0	2.7	0.3	16.3	1.33	82.33
62.0-63.0	2.6	0.3	16.6	1.28	83.61
63.0-64.0	2.5	0.2	16.8	1.23	84.84
64.0-65.0	2.4	0.2	17.0	1.18	86.02
65.0-66.0	2.2	0.2	17.3	1.13	87.15
66.0-67.0	2.1	0.2	17.5	1.07	88.22
67.0-68.0	2.0	0.2	17.7	1.02	89.24
68.0-69.0	1.9	0.2	17.9	0.95	90.19
69.0-70.0	1.7	0.2	18.0	0.89	91.08
70.0-71.0	1.6	0.2	18.2	0.84	91.93
71.0-72.0	1.5	0.2	18.4	0.79	92.71

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	1.4	0.1	18.5	0.72	93.44
73.0-74.0	1.2	0.1	18.6	0.66	94.10
74.0-75.0	1.1	0.1	18.8	0.61	94.70
75.0-76.0	1.0	0.1	18.9	0.55	95.25
76.0-77.0	0.9	0.1	19.0	0.49	95.74
77.0-78.0	0.8	0.1	19.0	0.44	96.18
78.0-79.0	0.7	0.1	19.1	0.38	96.55
79.0-80.0	0.6	0.1	19.2	0.32	96.88
80.0-81.0	0.5	0.1	19.2	0.28	97.16
81.0-82.0	0.4	0.0	19.3	0.23	97.39
82.0-83.0	0.3	0.0	19.3	0.19	97.58
83.0-84.0	0.3	0.0	19.4	0.16	97.74
84.0-85.0	0.2	0.0	19.4	0.13	97.87
85.0-86.0	0.2	0.0	19.4	0.09	97.96
86.0-87.0	0.1	0.0	19.4	0.08	98.04
87.0-88.0	0.1	0.0	19.4	0.06	98.10
88.0-89.0	0.1	0.0	19.4	0.05	98.15
89.0-90.0	0.1	0.0	19.4	0.04	98.18
90.0-91.0	0.1	0.0	19.5	0.03	98.21
91.0-92.0	0.1	0.0	19.5	0.03	98.25
92.0-93.0	0.1	0.0	19.5	0.03	98.28
93.0-94.0	0.0	0.0	19.5	0.03	98.30
94.0-95.0	0.0	0.0	19.5	0.02	98.33
95.0-96.0	0.0	0.0	19.5	0.02	98.35
96.0-97.0	0.0	0.0	19.5	0.02	98.37
97.0-98.0	0.1	0.0	19.5	0.03	98.41
98.0-99.0	0.0	0.0	19.5	0.03	98.43
99.0-100.0	0.0	0.0	19.5	0.02	98.45
100.0-101.0	0.0	0.0	19.5	0.02	98.47
101.0-102.0	0.0	0.0	19.5	0.02	98.49
102.0-103.0	0.0	0.0	19.5	0.02	98.51
103.0-104.0	0.0	0.0	19.5	0.02	98.53
104.0-105.0	0.0	0.0	19.5	0.02	98.56
105.0-106.0	0.0	0.0	19.5	0.03	98.58
106.0-107.0	0.0	0.0	19.5	0.02	98.61
107.0-108.0	0.0	0.0	19.5	0.03	98.63

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	0.1	0.0	19.5	0.03	98.66
109.0-110.0	0.0	0.0	19.5	0.02	98.69
110.0-111.0	0.0	0.0	19.6	0.02	98.71
111.0-112.0	0.1	0.0	19.6	0.03	98.74
112.0-113.0	0.0	0.0	19.6	0.02	98.76
113.0-114.0	0.0	0.0	19.6	0.02	98.78
114.0-115.0	0.1	0.0	19.6	0.03	98.81
115.0-116.0	0.0	0.0	19.6	0.02	98.83
116.0-117.0	0.0	0.0	19.6	0.02	98.86
117.0-118.0	0.0	0.0	19.6	0.02	98.88
118.0-119.0	0.0	0.0	19.6	0.02	98.90
119.0-120.0	0.1	0.0	19.6	0.03	98.92
120.0-121.0	0.0	0.0	19.6	0.02	98.94
121.0-122.0	0.0	0.0	19.6	0.02	98.97
122.0-123.0	0.1	0.0	19.6	0.02	98.99
123.0-124.0	0.0	0.0	19.6	0.02	99.01
124.0-125.0	0.0	0.0	19.6	0.02	99.03
125.0-126.0	0.1	0.0	19.6	0.03	99.06
126.0-127.0	0.1	0.0	19.6	0.03	99.09
127.0-128.0	0.1	0.0	19.6	0.03	99.12
128.0-129.0	0.1	0.0	19.6	0.03	99.15
129.0-130.0	0.1	0.0	19.6	0.02	99.17
130.0-131.0	0.1	0.0	19.6	0.02	99.19
131.0-132.0	0.1	0.0	19.7	0.03	99.22
132.0-133.0	0.1	0.0	19.7	0.03	99.25
133.0-134.0	0.1	0.0	19.7	0.02	99.27
134.0-135.0	0.1	0.0	19.7	0.03	99.29
135.0-136.0	0.1	0.0	19.7	0.03	99.32
136.0-137.0	0.1	0.0	19.7	0.03	99.35
137.0-138.0	0.1	0.0	19.7	0.02	99.37
138.0-139.0	0.1	0.0	19.7	0.02	99.40
139.0-140.0	0.1	0.0	19.7	0.03	99.42
140.0-141.0	0.1	0.0	19.7	0.02	99.45
141.0-142.0	0.1	0.0	19.7	0.03	99.47
142.0-143.0	0.1	0.0	19.7	0.03	99.50
143.0-144.0	0.1	0.0	19.7	0.02	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	0.1	0.0	19.7	0.02	99.54
145.0-146.0	0.1	0.0	19.7	0.02	99.56
146.0-147.0	0.1	0.0	19.7	0.02	99.58
147.0-148.0	0.1	0.0	19.7	0.02	99.60
148.0-149.0	0.1	0.0	19.7	0.02	99.62
149.0-150.0	0.1	0.0	19.7	0.02	99.65
150.0-151.0	0.1	0.0	19.7	0.02	99.67
151.0-152.0	0.1	0.0	19.7	0.02	99.69
152.0-153.0	0.1	0.0	19.7	0.02	99.71
153.0-154.0	0.1	0.0	19.8	0.02	99.73
154.0-155.0	0.1	0.0	19.8	0.02	99.75
155.0-156.0	0.1	0.0	19.8	0.02	99.77
156.0-157.0	0.1	0.0	19.8	0.02	99.79
157.0-158.0	0.1	0.0	19.8	0.02	99.81
158.0-159.0	0.1	0.0	19.8	0.02	99.82
159.0-160.0	0.1	0.0	19.8	0.02	99.84
160.0-161.0	0.1	0.0	19.8	0.01	99.85
161.0-162.0	0.1	0.0	19.8	0.01	99.87
162.0-163.0	0.1	0.0	19.8	0.01	99.88
163.0-164.0	0.1	0.0	19.8	0.01	99.89
164.0-165.0	0.1	0.0	19.8	0.01	99.91
165.0-166.0	0.1	0.0	19.8	0.01	99.92
166.0-167.0	0.1	0.0	19.8	0.01	99.93
167.0-168.0	0.1	0.0	19.8	0.01	99.94
168.0-169.0	0.1	0.0	19.8	0.01	99.95
169.0-170.0	0.1	0.0	19.8	0.01	99.96
170.0-171.0	0.1	0.0	19.8	0.01	99.97
171.0-172.0	0.1	0.0	19.8	0.01	99.97
172.0-173.0	0.1	0.0	19.8	0.01	99.98
173.0-174.0	0.1	0.0	19.8	0.01	99.98
174.0-175.0	0.1	0.0	19.8	0.01	99.99
175.0-176.0	0.1	0.0	19.8	0.00	99.99
176.0-177.0	0.1	0.0	19.8	0.00	100.00
177.0-178.0	0.1	0.0	19.8	0.00	100.00
178.0-179.0	0.1	0.0	19.8	0.00	100.00
179.0-180.0	0.1	0.0	19.8	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: