GENLED Brands
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Report No.: **Test Time: 2023/9/13 16:06**

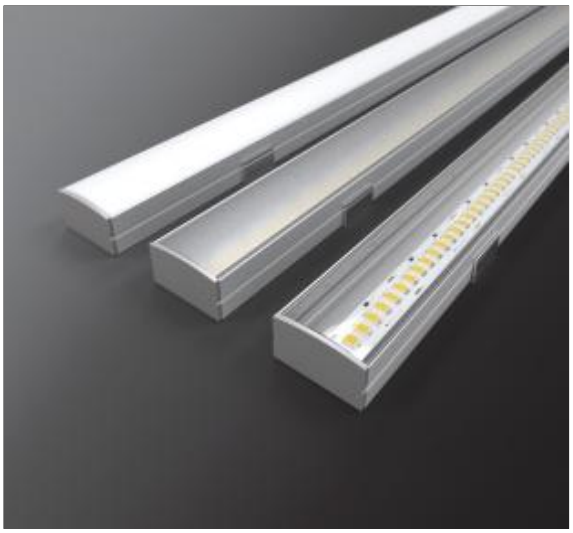
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: CHANNEL
Luminaire Description: CHAS3C90SWS2203.030
Luminous Length (mm): 500 **Luminous Width (mm): 23.6**
Luminous Height (mm): 10.7 **Voltage: 24.0 V**
Current: 0.203 A **Power: 4.89 W**
Power Factor: 1.000

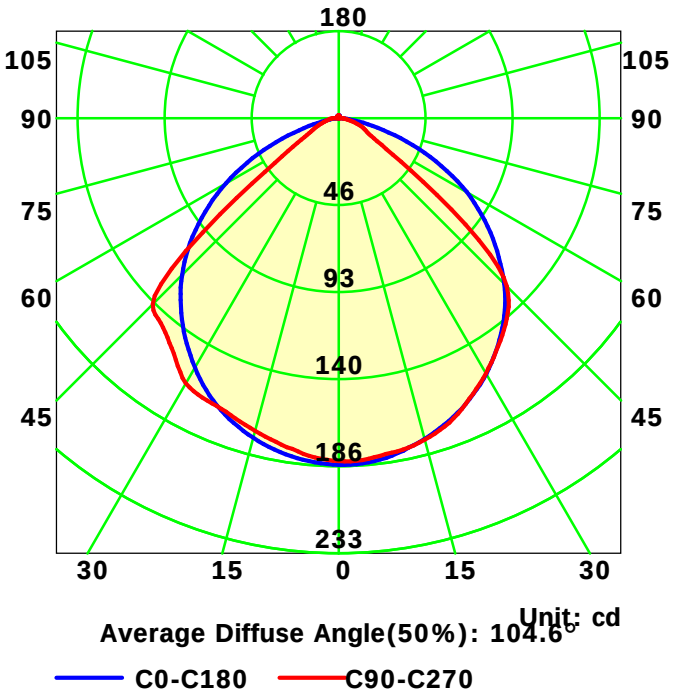
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 439.6 lm**
Measurement Flux: 439.6 lm **Efficiency: 100%**
Downward Ratio: 99% **Upward Ratio: 1%**
Horizontal Diffuse Angle(10%,50%): H151.3,H109.2
Vertical Diffuse Angle(10%,50%): V125.1,V100
Luminaire Efficacy Rating (LER): 90 **Central Intensity: 185.93 cd**
Max. Intensity: 186.03 cd **Pos of Max. Intensity: H0 V1**

Picture Of Luminaire

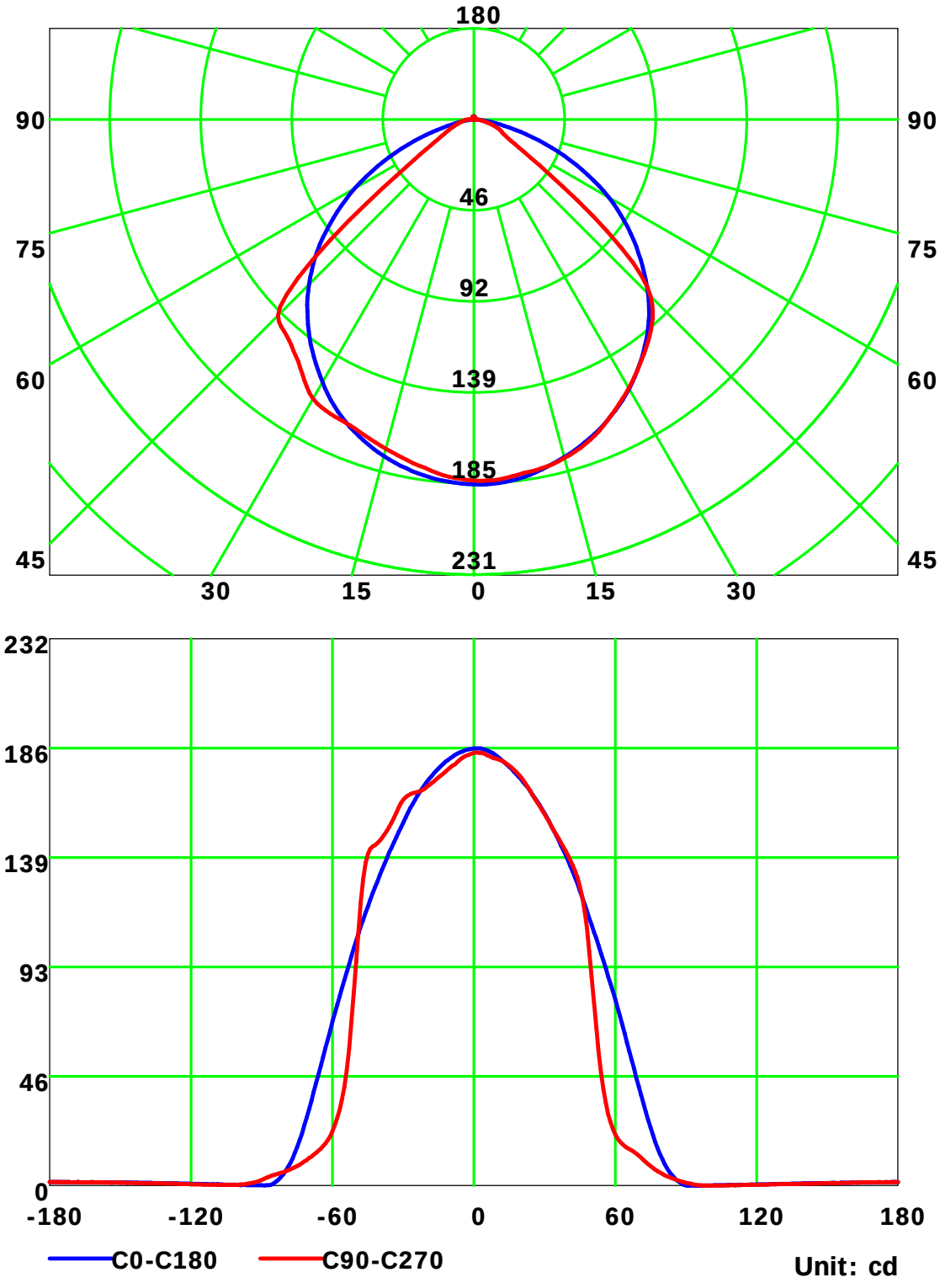


Luminous Intensity Distribution Curve



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:**

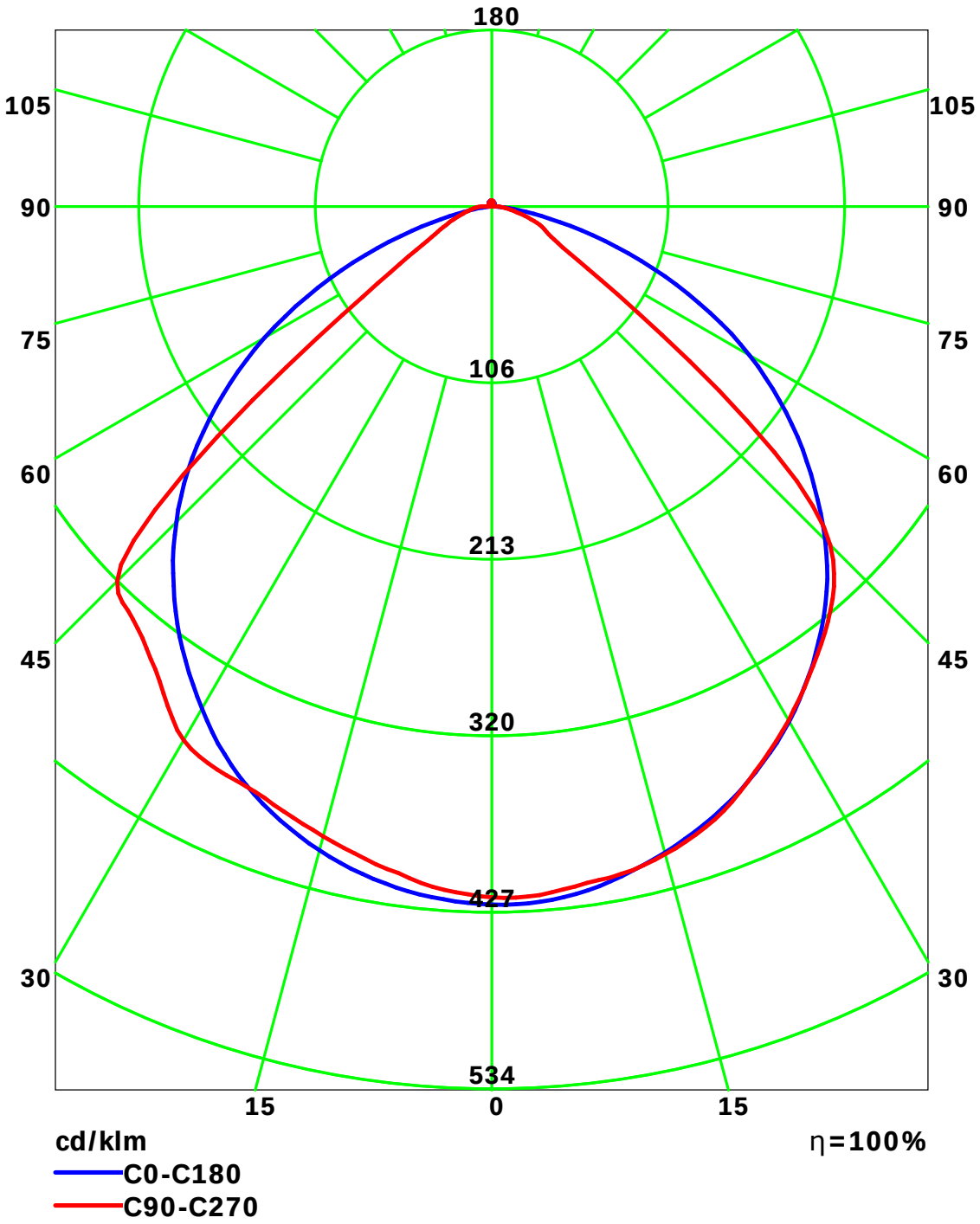
Luminous Intensity Distribution Curve



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

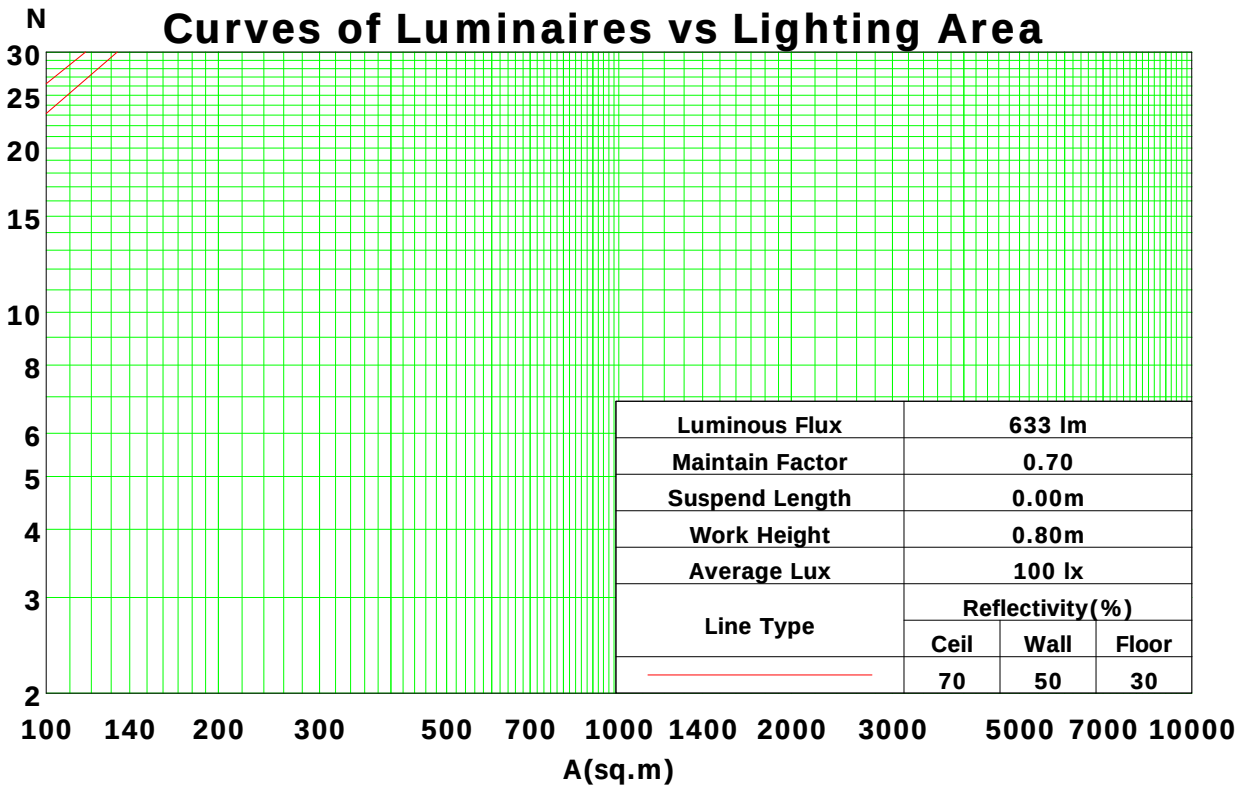
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	111	111	111	106	106	106	101	101	101	99
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	87	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	69	66	64
4	86	75	67	61	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	53	77	66	58	52	64	57	52	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	54	49	45	43
7	68	55	47	41	66	54	46	41	53	46	41	51	45	40	50	44	40	38
8	63	50	42	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	44	38	33	43	37	33	42	37	32	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

Spacing Criteria (0-180): 1.25
Spacing Criteria (90-270): 1.30
Spacing Criteria (Diagonal): 1.34

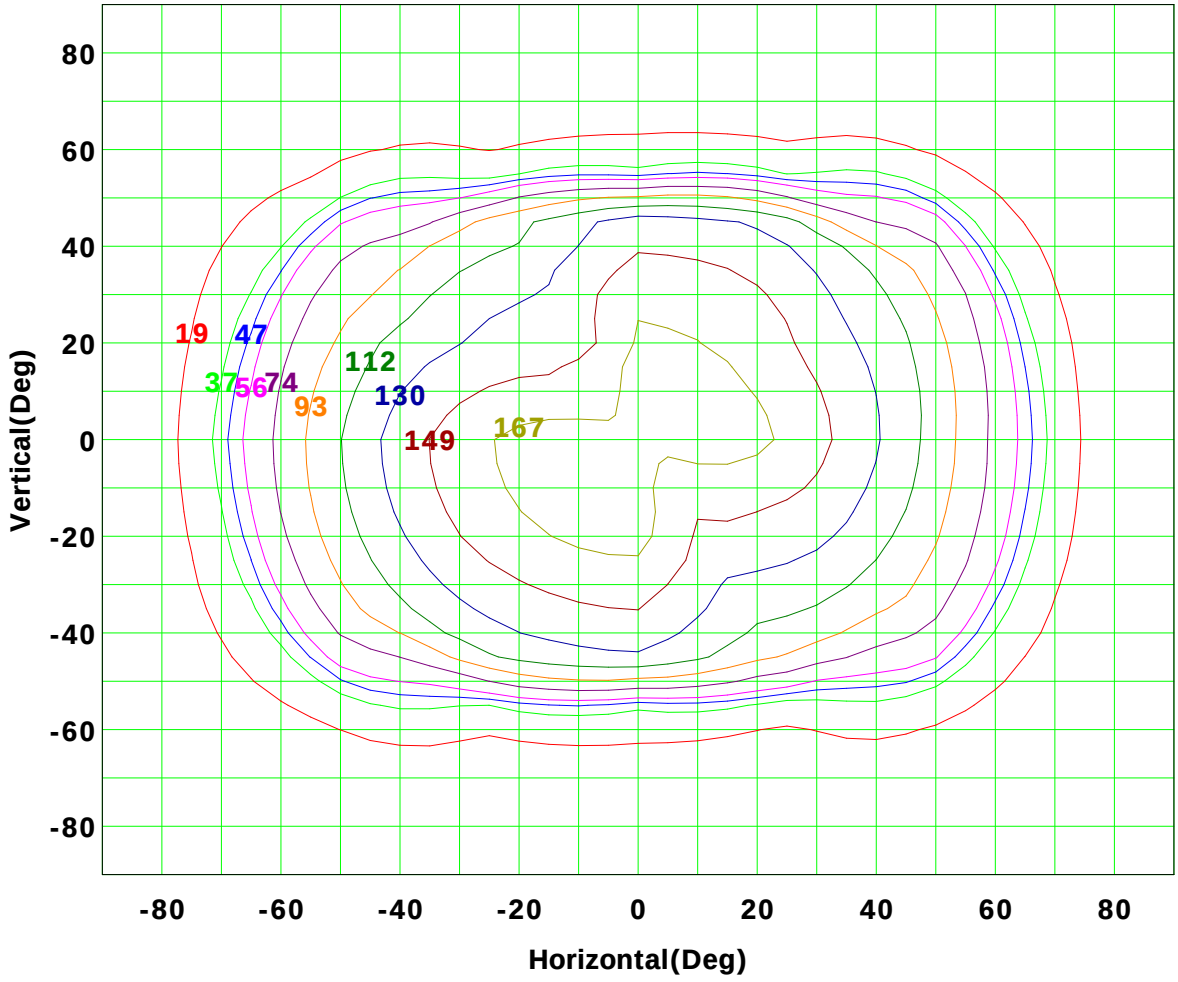
Curves of Luminaires vs Lighting Area



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)



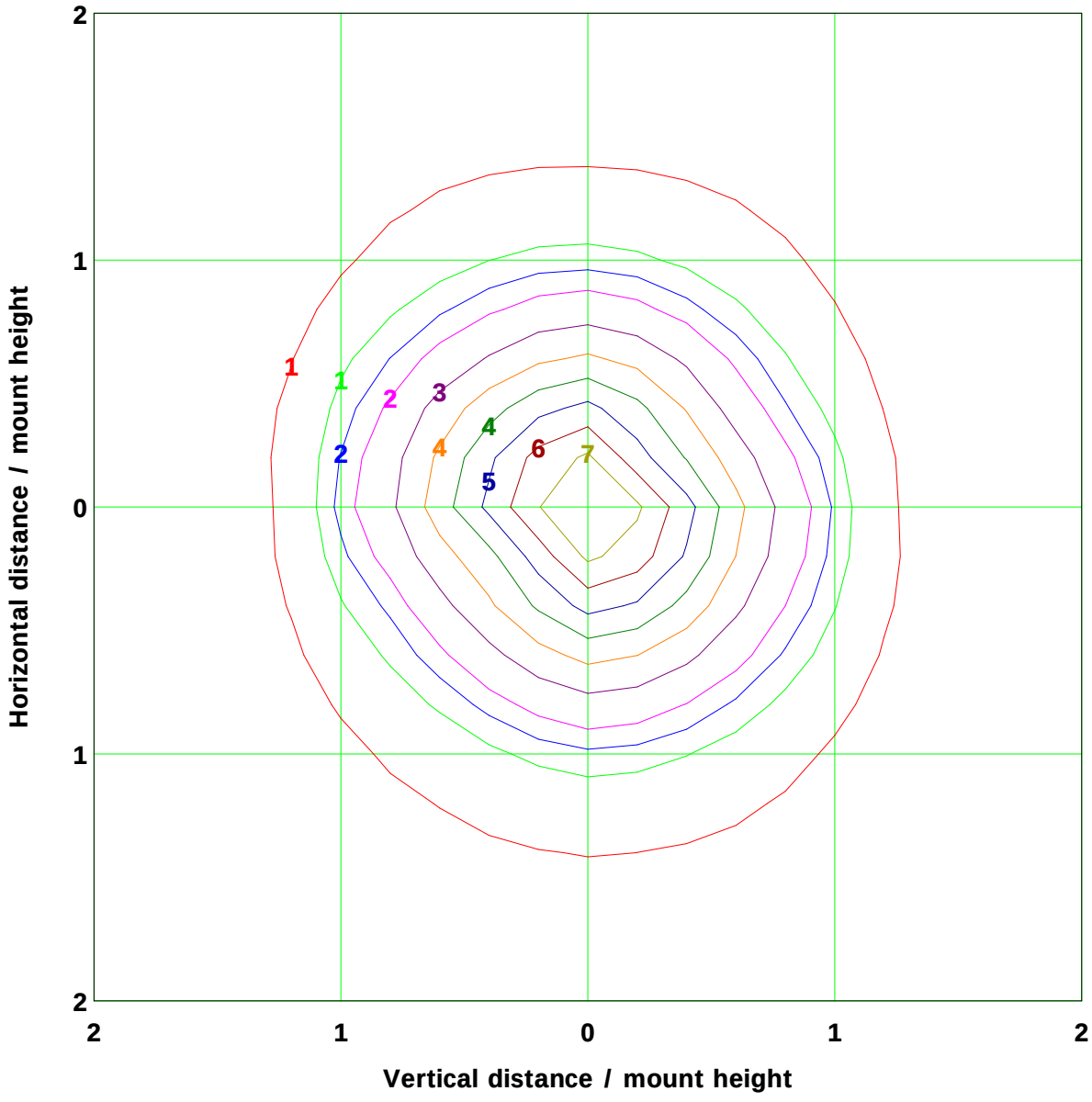
Imax (100%): 186 cd

(10%):	19 cd	(20%):	37 cd
(25%):	47 cd	(30%):	56 cd
(40%):	74 cd	(50%):	93 cd
(60%):	112 cd	(70%):	130 cd
(80%):	149 cd	(90%):	167 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%): 7.4 lx

(10%): 0.7 lx	(20%): 1.5 lx
(25%): 1.9 lx	(30%): 2.2 lx
(40%): 3.0 lx	(50%): 3.7 lx
(60%): 4.5 lx	(70%): 5.2 lx
(80%): 6.0 lx	(90%): 6.7 lx

C Plane (°):0.0-360.0: 30.0
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Test Type: TYPE C
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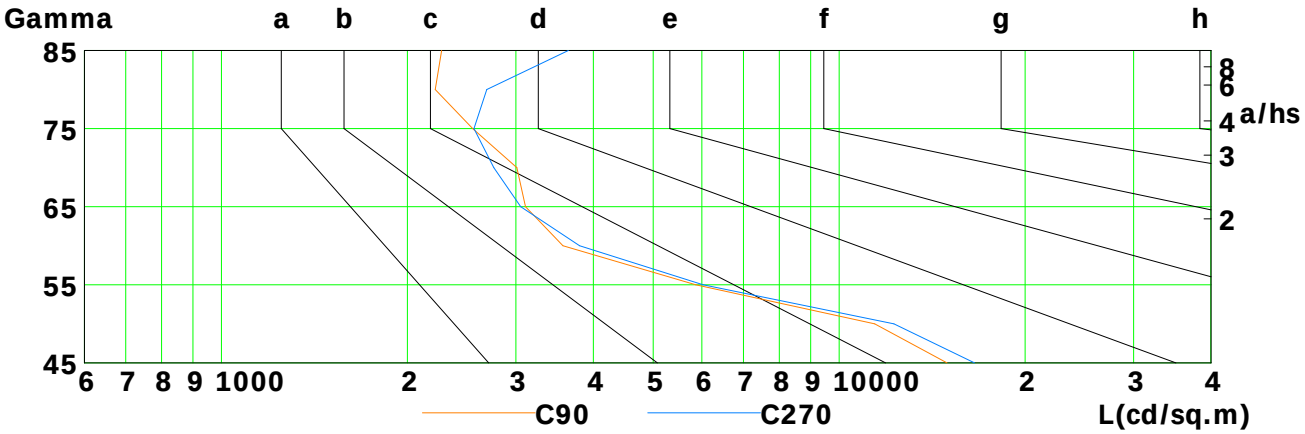
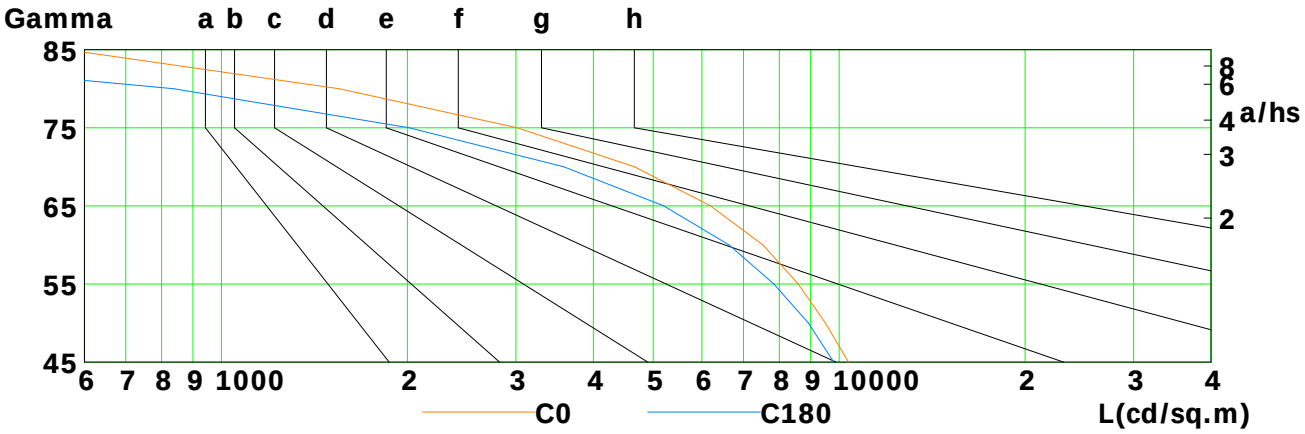
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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



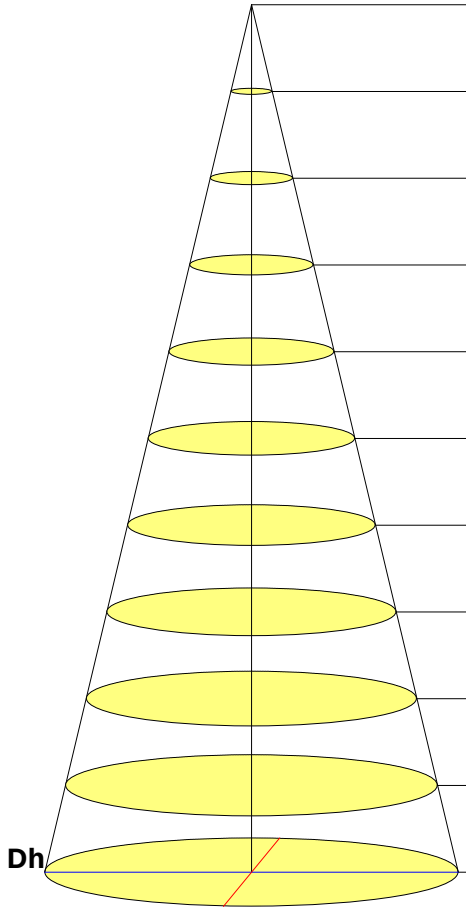


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10360	9502	8583	7529	6197	4671	3013	1552	563
C90	14958	11416	5865	3574	3106	3010	2553	2220	2273
C180	9799	8920	7843	6636	5204	3586	2014	838	179
C270	16566	12265	6027	3803	3052	2761	2565	2690	3648

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



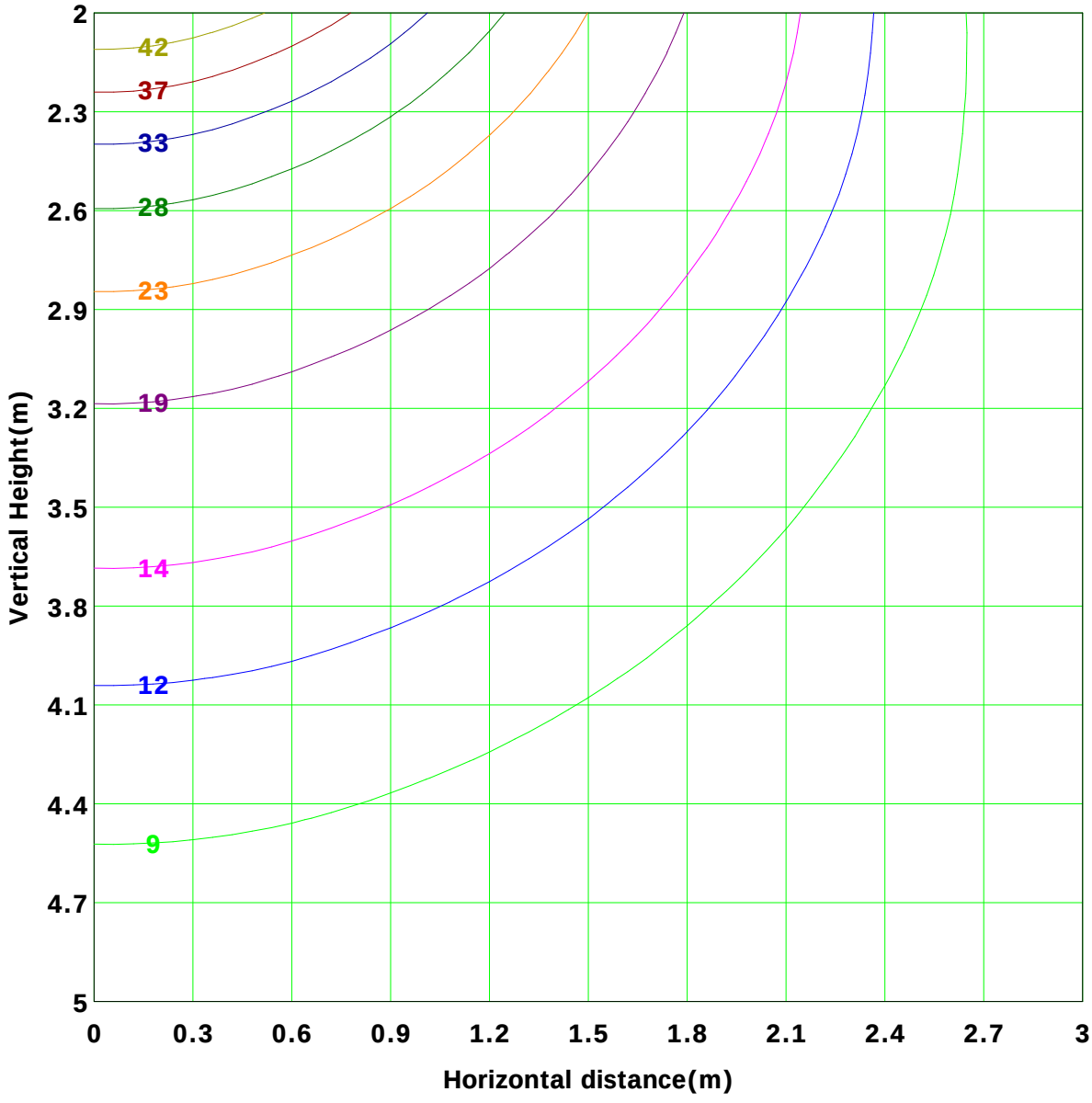
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	185.93	2.81/2.38	5.8	32.80
2.0	46.48	5.63/4.76	23.1	8.20
3.0	20.66	8.44/7.14	52.1	3.64
4.0	11.62	11.26/9.53	92.5	2.05
5.0	7.44	14.07/11.91	144.6	1.31
6.0	5.16	16.89/14.29	208.2	0.91
7.0	3.79	19.70/16.67	283.4	0.67
8.0	2.91	22.51/19.05	370.2	0.51
9.0	2.30	25.33/21.43	468.5	0.40
10.0	1.86	28.14/23.82	578.4	0.33

Beam Angle(B): H109.2 V100.0 Field Angle(F): H151.3 V125.1

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: 46.5 lx

(10%): 4.6 lx	(20%): 9.3 lx
(25%): 11.6 lx	(30%): 13.9 lx
(40%): 18.6 lx	(50%): 23.2 lx
(60%): 27.9 lx	(70%): 32.5 lx
(80%): 37.2 lx	(90%): 41.8 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:

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Area Flux Table

Unit: lm

Vertical plane (rows) / Horizontal plane (columns)

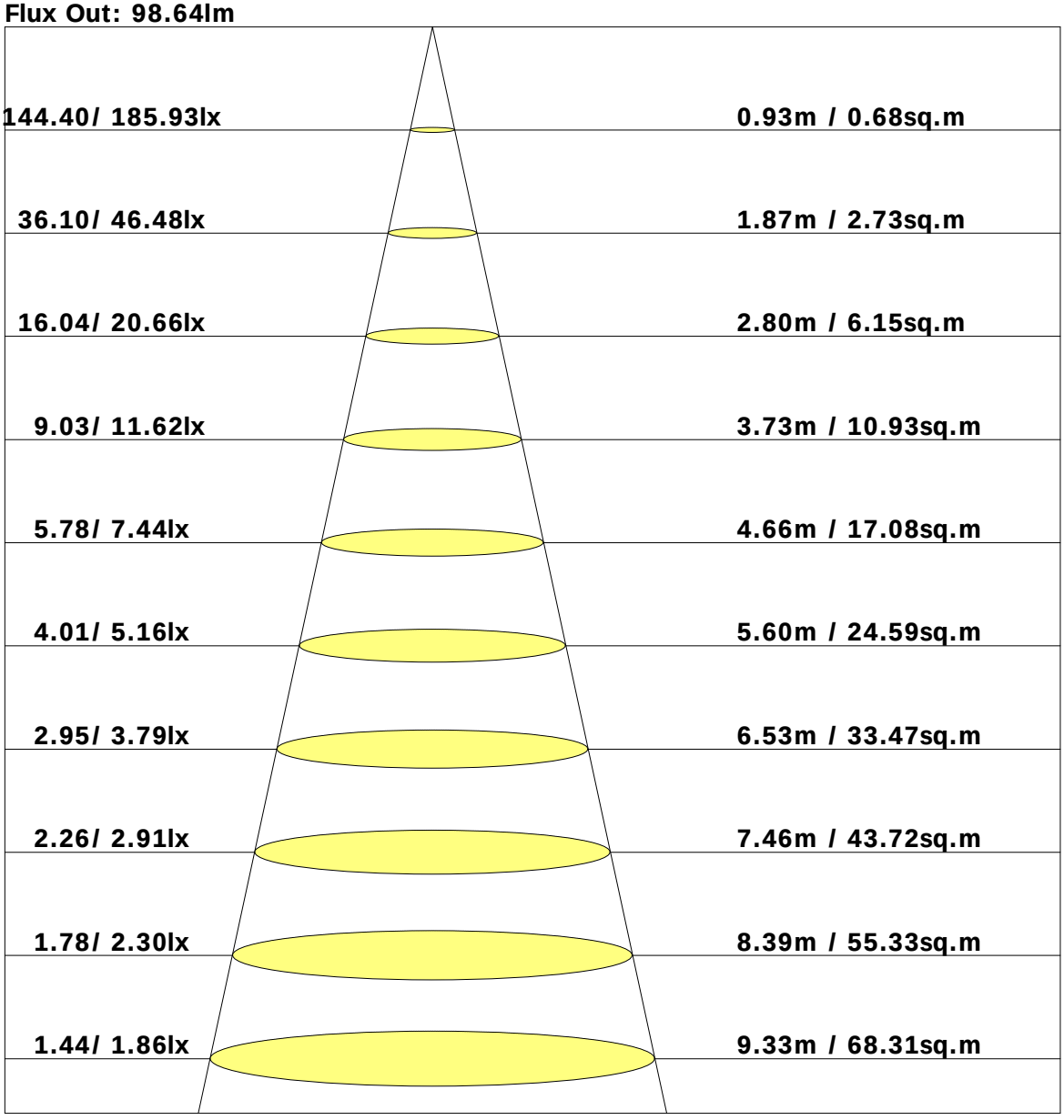
	-90 – -80	-80 – -70	-70 – -60	-60 – -50	-50 – -40	-40 – -30	-30 – -20	-20 – -10	-10 – 0	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90	Flux(T)	Flux(E)
-90 – -80	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.0
-80 – -70	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	2.0	0.0
-70 – -60	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.1	0.0	0.0	4.4	0.9
-60 – -50	0.0	0.0	0.1	0.4	0.7	1.0	1.2	1.5	1.6	1.5	1.3	1.0	0.9	0.7	0.3	0.2	0.1	0.0	12.4	11.7
-50 – -40	0.0	0.1	0.2	0.8	1.5	2.1	3.1	3.7	4.0	3.8	3.3	2.6	1.8	1.3	0.7	0.3	0.1	0.0	29.5	29.2
-40 – -30	0.0	0.1	0.4	1.2	2.1	3.0	3.8	4.4	4.7	4.4	3.8	3.2	2.6	1.8	1.1	0.4	0.1	0.0	37.0	36.8
-30 – -20	0.0	0.1	0.5	1.4	2.3	3.2	4.1	4.7	5.0	4.7	4.0	3.6	2.9	2.2	1.4	0.6	0.2	0.0	40.9	40.7
-20 – -10	0.0	0.1	0.6	1.5	2.5	3.4	4.3	4.9	5.3	4.9	4.3	3.9	3.3	2.4	1.5	0.7	0.2	0.0	43.9	43.8
-10 – 0	0.0	0.1	0.7	1.5	2.6	3.6	4.5	5.1	5.5	5.1	4.9	4.4	3.6	2.6	1.6	0.8	0.2	0.0	46.8	46.7
0 – 10	0.0	0.1	0.7	1.5	2.5	3.5	4.4	4.9	5.1	5.6	5.2	4.6	3.7	2.7	1.7	0.8	0.2	0.0	47.1	47.0
10 – 20	0.0	0.1	0.6	1.5	2.4	3.3	4.0	4.4	4.9	5.4	5.0	4.4	3.6	2.6	1.6	0.7	0.2	0.0	44.7	44.6
20 – 30	0.0	0.1	0.5	1.3	2.2	3.0	3.6	4.0	4.7	5.0	4.7	4.1	3.3	2.4	1.5	0.6	0.2	0.0	41.2	41.1
30 – 40	0.0	0.1	0.4	1.1	1.9	2.6	3.1	3.6	4.3	4.5	4.2	3.7	2.9	2.1	1.2	0.5	0.1	0.0	36.3	36.1
40 – 50	0.0	0.1	0.3	0.7	1.3	1.8	2.4	3.0	3.6	3.7	3.5	2.9	2.1	1.5	0.8	0.3	0.1	0.0	28.1	27.8
50 – 60	0.0	0.0	0.1	0.4	0.7	0.9	1.0	1.3	1.4	1.5	1.5	1.2	1.0	0.8	0.4	0.2	0.1	0.0	12.3	11.7
60 – 70	0.0	0.0	0.1	0.2	0.3	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.0	4.6	0.9
70 – 80	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.2	0.0
80 – 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	0.0	0.0	0.0	0.0	0.0	0.7	0.0
Flux(T)	0.1	1.2	5.4	13.7	23.6	32.5	40.6	47.3	51.7	51.8	47.1	40.7	32.8	23.9	14.4	6.3	1.7	0.2	435	
Flux(E)	0.0	0.4	4.6	13.0	22.8	31.6	39.4	46.0	50.3	50.4	45.8	39.5	31.9	23.1	13.7	5.6	0.9	0.0		419

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: 98.64lm



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	23.9	25.4	24.3	25.7	26.1	16.8	18.3	17.2	18.7	19.0
3H	25.0	26.4	25.4	26.7	27.1	17.4	18.7	17.8	19.1	19.4
4H	25.3	26.6	25.7	26.9	27.4	17.6	18.8	18.0	19.2	19.6
6H	25.5	26.6	25.9	27.0	27.4	17.7	18.8	18.1	19.2	19.6
8H	25.5	26.6	25.9	27.0	27.4	17.7	18.8	18.1	19.2	19.6
12H	25.5	26.5	25.9	26.9	27.4	17.7	18.7	18.1	19.1	19.6
X=4H Y=2H	23.9	25.1	24.3	25.5	25.9	17.8	19.1	18.3	19.5	19.9
3H	25.1	26.1	25.5	26.5	26.9	18.4	19.4	18.8	19.8	20.3
4H	25.4	26.3	25.8	26.7	27.2	18.6	19.5	19.0	19.9	20.4
6H	25.6	26.4	26.1	26.9	27.3	18.7	19.5	19.2	20.0	20.5
8H	25.6	26.4	26.1	26.8	27.3	18.7	19.5	19.2	20.0	20.4
12H	25.6	26.3	26.1	26.8	27.3	18.8	19.4	19.3	19.9	20.4
X=8H Y=4H	25.3	26.1	25.8	26.5	27.0	18.8	19.5	19.3	20.0	20.5
6H	25.5	26.1	26.0	26.6	27.1	18.9	19.5	19.4	20.1	20.6
8H	25.5	26.1	26.1	26.6	27.1	19.0	19.5	19.5	20.0	20.6
12H	25.6	26.0	26.1	26.6	27.1	19.0	19.5	19.5	20.0	20.6
X=12H Y=4H	25.3	25.9	25.8	26.4	26.9	18.8	19.4	19.3	19.9	20.4
6H	25.5	26.0	26.0	26.5	27.1	18.9	19.5	19.5	20.0	20.5
8H	25.5	26.0	26.0	26.5	27.1	19.0	19.5	19.5	20.0	20.6

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	0.62	0.72	0.80	0.85	0.91	0.96	0.99	1.03	1.05
	0.30		0.54	0.65	0.73	0.79	0.86	0.91	0.95	0.99	1.02
	0.20		0.49	0.60	0.68	0.74	0.82	0.87	0.91	0.96	1.00
0.50	0.50	0.20	0.60	0.70	0.77	0.82	0.88	0.92	0.95	0.99	1.01
	0.30		0.53	0.64	0.71	0.77	0.84	0.88	0.92	0.96	0.99
	0.20		0.49	0.60	0.67	0.72	0.80	0.85	0.89	0.93	0.96
0.30	0.50	0.20	0.58	0.68	0.75	0.79	0.85	0.89	0.92	0.95	0.97
	0.30		0.53	0.63	0.70	0.75	0.81	0.86	0.89	0.93	0.95
	0.20		0.48	0.59	0.66	0.71	0.78	0.83	0.86	0.91	0.93
0.00	0.00	0.00	0.46	0.56	0.63	0.68	0.75	0.79	0.82	0.86	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	0.74	0.62	0.53	0.42	0.34	0.29	0.22	0.18
	0.30		0.76	0.63	0.54	0.47	0.38	0.31	0.27	0.21	0.17
	0.20		0.66	0.55	0.48	0.42	0.34	0.29	0.25	0.20	0.16
0.50	0.50	0.20	0.88	0.70	0.59	0.50	0.40	0.36	0.27	0.21	0.17
	0.30		0.75	0.61	0.52	0.45	0.36	0.30	0.26	0.20	0.16
	0.20		0.65	0.54	0.47	0.41	0.33	0.28	0.24	0.19	0.16
0.30	0.50	0.20	0.85	0.67	0.56	0.48	0.37	0.31	0.26	0.20	0.16
	0.30		0.73	0.59	0.50	0.44	0.35	0.29	0.24	0.19	0.16
	0.20		0.64	0.53	0.45	0.40	0.32	0.27	0.23	0.18	0.15
0.00	0.00	0.00	0.53	0.43	0.36	0.31	0.24	0.20	0.17	0.13	0.11

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	0.21	0.22	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	0.11	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	0.21
	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	0.17	0.18	0.19	0.19	0.20	0.20	0.21
	0.30		0.10	0.11	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	0.14	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	179.1	0.2	0.2	0.04	0.04
1.0-2.0	178.9	0.5	0.7	0.12	0.16
2.0-3.0	178.7	0.9	1.5	0.19	0.35
3.0-4.0	178.3	1.2	2.7	0.27	0.62
4.0-5.0	177.9	1.5	4.3	0.35	0.97
5.0-6.0	177.3	1.9	6.1	0.42	1.39
6.0-7.0	176.5	2.2	8.3	0.50	1.89
7.0-8.0	175.6	2.5	10.8	0.57	2.46
8.0-9.0	174.9	2.8	13.7	0.65	3.11
9.0-10.0	174.4	3.2	16.8	0.72	3.83
10.0-11.0	173.8	3.5	20.3	0.79	4.62
11.0-12.0	173.1	3.8	24.1	0.86	5.48
12.0-13.0	172.2	4.1	28.2	0.93	6.41
13.0-14.0	171.3	4.4	32.6	1.00	7.41
14.0-15.0	170.4	4.7	37.2	1.06	8.47
15.0-16.0	169.6	5.0	42.2	1.13	9.60
16.0-17.0	168.7	5.3	47.5	1.20	10.80
17.0-18.0	167.8	5.5	53.0	1.26	12.06
18.0-19.0	166.4	5.8	58.8	1.32	13.37
19.0-20.0	165.0	6.0	64.8	1.37	14.75
20.0-21.0	163.8	6.3	71.1	1.43	16.18
21.0-22.0	162.7	6.5	77.6	1.49	17.67
22.0-23.0	161.4	6.8	84.4	1.54	19.21
23.0-24.0	160.1	7.0	91.4	1.59	20.80
24.0-25.0	158.7	7.2	98.6	1.64	22.44
25.0-26.0	157.5	7.4	106.1	1.69	24.13
26.0-27.0	156.2	7.6	113.7	1.74	25.87
27.0-28.0	154.9	7.8	121.6	1.78	27.66
28.0-29.0	153.5	8.0	129.6	1.83	29.48
29.0-30.0	151.9	8.2	137.8	1.87	31.35
30.0-31.0	150.3	8.4	146.2	1.90	33.25
31.0-32.0	148.7	8.5	154.7	1.94	35.19
32.0-33.0	147.1	8.7	163.4	1.97	37.16
33.0-34.0	145.3	8.8	172.1	2.00	39.16
34.0-35.0	143.5	8.9	181.1	2.03	41.19
35.0-36.0	141.7	9.0	190.1	2.05	43.24

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
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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	139.8	9.1	199.2	2.07	45.32
37.0-38.0	137.7	9.2	208.4	2.09	47.41
38.0-39.0	135.7	9.3	217.7	2.11	49.52
39.0-40.0	133.5	9.3	227.0	2.12	51.64
40.0-41.0	131.5	9.4	236.3	2.13	53.77
41.0-42.0	129.5	9.4	245.7	2.14	55.91
42.0-43.0	127.5	9.4	255.2	2.15	58.06
43.0-44.0	125.5	9.5	264.7	2.16	60.21
44.0-45.0	123.4	9.5	274.1	2.16	62.37
45.0-46.0	120.8	9.5	283.6	2.15	64.52
46.0-47.0	118.0	9.4	293.0	2.14	66.65
47.0-48.0	114.8	9.3	302.3	2.11	68.77
48.0-49.0	110.9	9.1	311.4	2.07	70.84
49.0-50.0	106.1	8.9	320.2	2.01	72.85
50.0-51.0	100.7	8.5	328.7	1.94	74.79
51.0-52.0	94.7	8.1	336.9	1.85	76.64
52.0-53.0	88.5	7.7	344.6	1.75	78.39
53.0-54.0	82.3	7.3	351.8	1.65	80.04
54.0-55.0	76.3	6.8	358.6	1.55	81.59
55.0-56.0	70.5	6.4	365.0	1.45	83.04
56.0-57.0	65.1	6.0	371.0	1.35	84.40
57.0-58.0	60.4	5.6	376.6	1.27	85.67
58.0-59.0	56.1	5.2	381.8	1.19	86.86
59.0-60.0	52.2	4.9	386.7	1.12	87.98
60.0-61.0	48.5	4.6	391.4	1.05	89.04
61.0-62.0	45.1	4.3	395.7	0.99	90.03
62.0-63.0	41.6	4.0	399.8	0.92	90.95
63.0-64.0	38.2	3.7	403.5	0.85	91.80
64.0-65.0	34.8	3.4	407.0	0.78	92.58
65.0-66.0	31.5	3.1	410.1	0.71	93.30
66.0-67.0	28.3	2.8	412.9	0.65	93.95
67.0-68.0	25.5	2.6	415.5	0.59	94.53
68.0-69.0	22.8	2.3	417.9	0.53	95.06
69.0-70.0	20.4	2.1	420.0	0.48	95.54
70.0-71.0	18.2	1.9	421.8	0.43	95.97
71.0-72.0	16.3	1.7	423.5	0.38	96.35

C Plane (°):0.0-360.0: 30.0
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Temperature: 25
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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	14.5	1.5	425.0	0.34	96.70
73.0-74.0	12.9	1.4	426.4	0.31	97.01
74.0-75.0	11.5	1.2	427.6	0.28	97.28
75.0-76.0	10.1	1.1	428.7	0.24	97.53
76.0-77.0	8.9	1.0	429.6	0.22	97.74
77.0-78.0	7.8	0.8	430.5	0.19	97.94
78.0-79.0	6.9	0.7	431.2	0.17	98.10
79.0-80.0	6.0	0.6	431.9	0.15	98.25
80.0-81.0	5.2	0.6	432.4	0.13	98.38
81.0-82.0	4.5	0.5	432.9	0.11	98.49
82.0-83.0	3.8	0.4	433.3	0.09	98.58
83.0-84.0	3.2	0.4	433.7	0.08	98.66
84.0-85.0	2.7	0.3	434.0	0.07	98.73
85.0-86.0	2.3	0.2	434.2	0.06	98.79
86.0-87.0	1.9	0.2	434.4	0.05	98.83
87.0-88.0	1.6	0.2	434.6	0.04	98.87
88.0-89.0	1.3	0.1	434.7	0.03	98.90
89.0-90.0	1.0	0.1	434.8	0.03	98.93
90.0-91.0	0.8	0.1	434.9	0.02	98.95
91.0-92.0	0.7	0.1	435.0	0.02	98.97
92.0-93.0	0.6	0.1	435.1	0.01	98.98
93.0-94.0	0.5	0.1	435.1	0.01	98.99
94.0-95.0	0.4	0.0	435.2	0.01	99.00
95.0-96.0	0.4	0.0	435.2	0.01	99.01
96.0-97.0	0.3	0.0	435.2	0.01	99.02
97.0-98.0	0.3	0.0	435.3	0.01	99.03
98.0-99.0	0.3	0.0	435.3	0.01	99.03
99.0-100.0	0.3	0.0	435.3	0.01	99.04
100.0-101.0	0.3	0.0	435.4	0.01	99.05
101.0-102.0	0.3	0.0	435.4	0.01	99.05
102.0-103.0	0.3	0.0	435.4	0.01	99.06
103.0-104.0	0.3	0.0	435.5	0.01	99.07
104.0-105.0	0.3	0.0	435.5	0.01	99.08
105.0-106.0	0.3	0.0	435.5	0.01	99.09
106.0-107.0	0.4	0.0	435.6	0.01	99.09
107.0-108.0	0.4	0.0	435.6	0.01	99.10

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	435.7	0.01	99.11
109.0-110.0	0.4	0.0	435.7	0.01	99.12
110.0-111.0	0.4	0.0	435.7	0.01	99.13
111.0-112.0	0.4	0.0	435.8	0.01	99.14
112.0-113.0	0.5	0.0	435.8	0.01	99.15
113.0-114.0	0.5	0.1	435.9	0.01	99.17
114.0-115.0	0.5	0.1	435.9	0.01	99.18
115.0-116.0	0.6	0.1	436.0	0.01	99.19
116.0-117.0	0.6	0.1	436.0	0.01	99.20
117.0-118.0	0.6	0.1	436.1	0.01	99.22
118.0-119.0	0.6	0.1	436.2	0.01	99.23
119.0-120.0	0.6	0.1	436.2	0.01	99.24
120.0-121.0	0.7	0.1	436.3	0.01	99.26
121.0-122.0	0.7	0.1	436.4	0.01	99.27
122.0-123.0	0.7	0.1	436.4	0.01	99.29
123.0-124.0	0.7	0.1	436.5	0.01	99.30
124.0-125.0	0.7	0.1	436.6	0.02	99.32
125.0-126.0	0.8	0.1	436.6	0.02	99.33
126.0-127.0	0.8	0.1	436.7	0.02	99.35
127.0-128.0	0.8	0.1	436.8	0.02	99.36
128.0-129.0	0.8	0.1	436.8	0.02	99.38
129.0-130.0	0.9	0.1	436.9	0.02	99.40
130.0-131.0	0.9	0.1	437.0	0.02	99.41
131.0-132.0	0.9	0.1	437.1	0.02	99.43
132.0-133.0	0.9	0.1	437.1	0.02	99.45
133.0-134.0	0.9	0.1	437.2	0.02	99.46
134.0-135.0	1.0	0.1	437.3	0.02	99.48
135.0-136.0	1.0	0.1	437.4	0.02	99.50
136.0-137.0	1.0	0.1	437.4	0.02	99.52
137.0-138.0	1.0	0.1	437.5	0.02	99.53
138.0-139.0	1.0	0.1	437.6	0.02	99.55
139.0-140.0	1.1	0.1	437.7	0.02	99.57
140.0-141.0	1.1	0.1	437.7	0.02	99.58
141.0-142.0	1.1	0.1	437.8	0.02	99.60
142.0-143.0	1.1	0.1	437.9	0.02	99.62
143.0-144.0	1.1	0.1	438.0	0.02	99.64

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:

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	438.0	0.02	99.65
145.0-146.0	1.2	0.1	438.1	0.02	99.67
146.0-147.0	1.2	0.1	438.2	0.02	99.68
147.0-148.0	1.2	0.1	438.2	0.02	99.70
148.0-149.0	1.2	0.1	438.3	0.02	99.72
149.0-150.0	1.2	0.1	438.4	0.02	99.73
150.0-151.0	1.3	0.1	438.5	0.02	99.75
151.0-152.0	1.3	0.1	438.5	0.02	99.76
152.0-153.0	1.3	0.1	438.6	0.02	99.78
153.0-154.0	1.3	0.1	438.6	0.01	99.79
154.0-155.0	1.3	0.1	438.7	0.01	99.81
155.0-156.0	1.4	0.1	438.8	0.01	99.82
156.0-157.0	1.4	0.1	438.8	0.01	99.84
157.0-158.0	1.4	0.1	438.9	0.01	99.85
158.0-159.0	1.4	0.1	438.9	0.01	99.86
159.0-160.0	1.4	0.1	439.0	0.01	99.87
160.0-161.0	1.4	0.1	439.1	0.01	99.88
161.0-162.0	1.4	0.0	439.1	0.01	99.90
162.0-163.0	1.4	0.0	439.1	0.01	99.91
163.0-164.0	1.4	0.0	439.2	0.01	99.92
164.0-165.0	1.4	0.0	439.2	0.01	99.93
165.0-166.0	1.5	0.0	439.3	0.01	99.94
166.0-167.0	1.5	0.0	439.3	0.01	99.94
167.0-168.0	1.5	0.0	439.3	0.01	99.95
168.0-169.0	1.5	0.0	439.4	0.01	99.96
169.0-170.0	1.5	0.0	439.4	0.01	99.97
170.0-171.0	1.5	0.0	439.4	0.01	99.97
171.0-172.0	1.5	0.0	439.5	0.01	99.98
172.0-173.0	1.5	0.0	439.5	0.00	99.98
173.0-174.0	1.5	0.0	439.5	0.00	99.99
174.0-175.0	1.5	0.0	439.5	0.00	99.99
175.0-176.0	1.5	0.0	439.5	0.00	99.99
176.0-177.0	1.5	0.0	439.5	0.00	100.00
177.0-178.0	1.6	0.0	439.6	0.00	100.00
178.0-179.0	1.6	0.0	439.6	0.00	100.00
179.0-180.0	1.6	0.0	439.6	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: