GENLED Brands
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Report No.: **Test Time: 2023/3/1 16:18**

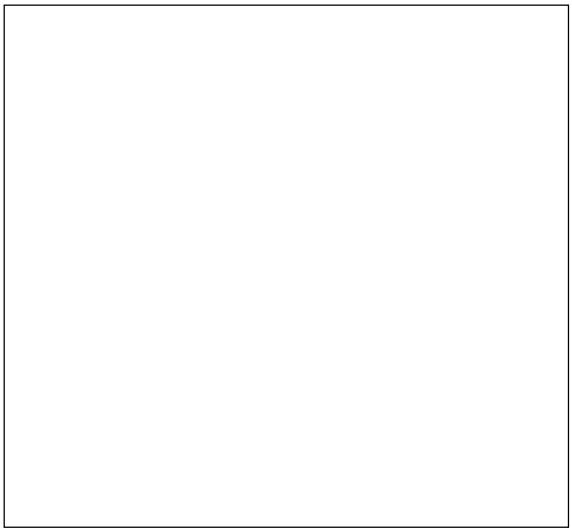
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4065-GREEN ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 119.6 V**
Current: 0.162 A **Power: 9.05 W**
Power Factor: 0.466

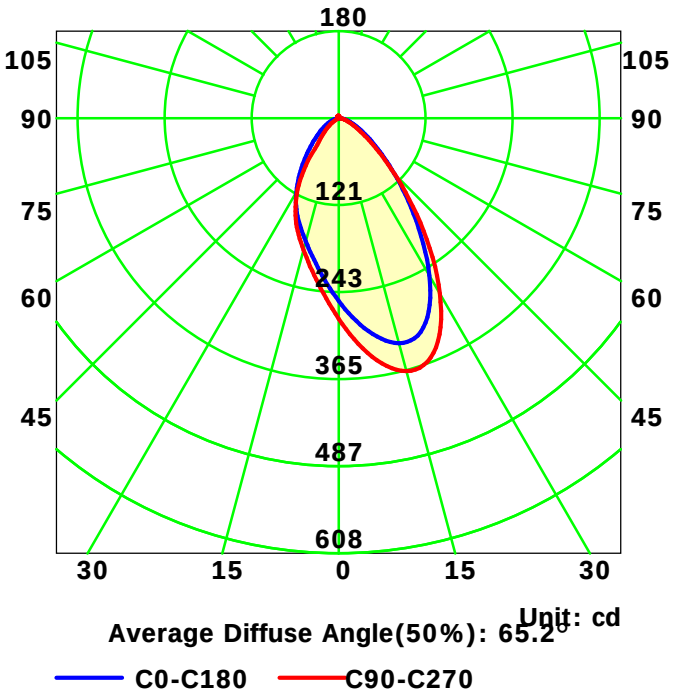
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 447.0 lm**
Measurement Flux: 447 lm **Efficiency: 100%**
Downward Ratio: 97% **Upward Ratio: 3%**
Horizontal Diffuse Angle(10%,50%): H120.9,H66.7
Vertical Diffuse Angle(10%,50%): V104.4,V63.7
Luminaire Efficacy Rating (LER): 49 **Central Intensity: 255.88 cd**
Max. Intensity: 447.92 cd **Pos of Max. Intensity: H60 V22**

Picture Of Luminaire

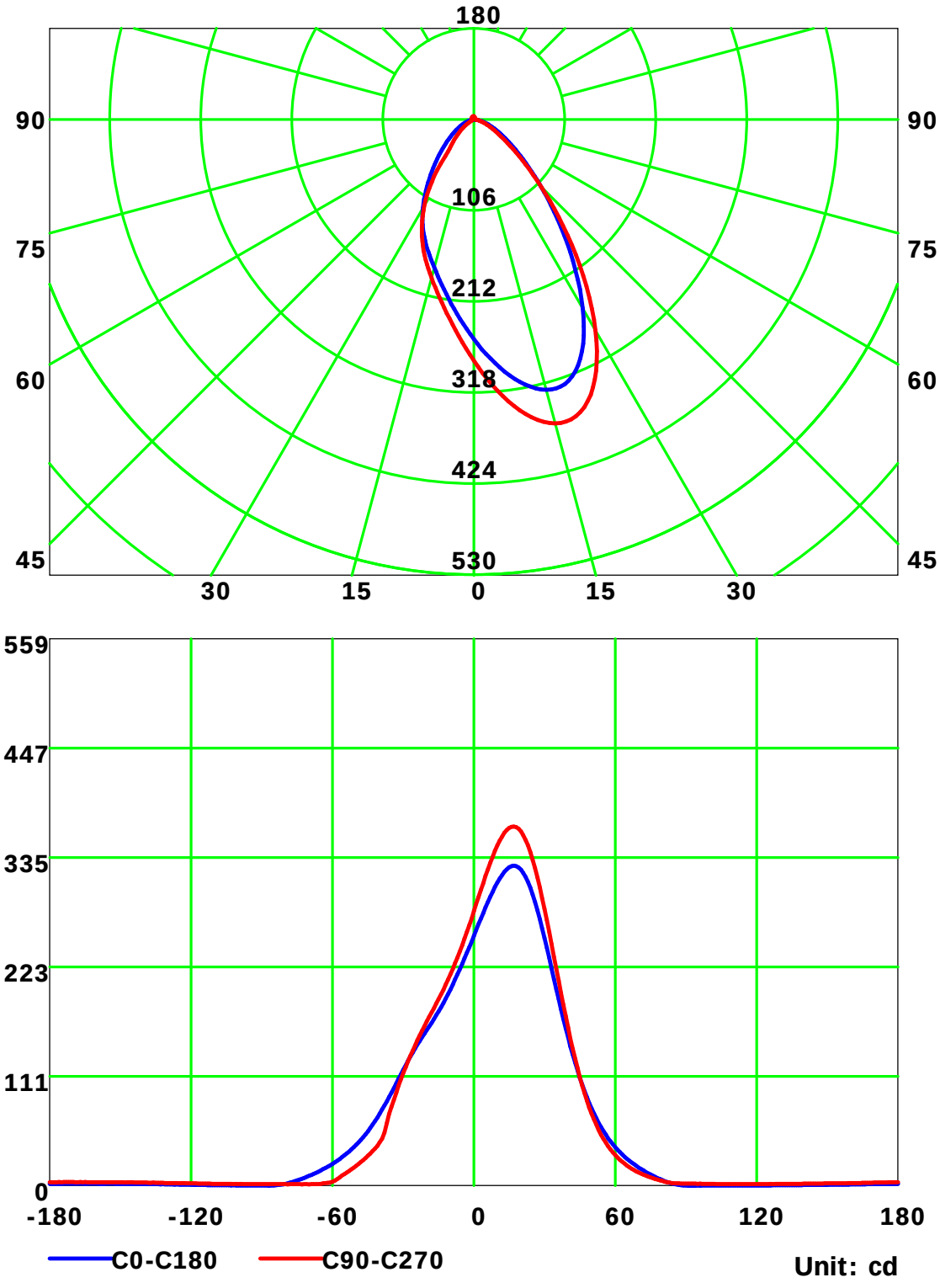


Luminous Intensity Distribution Curve



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:**

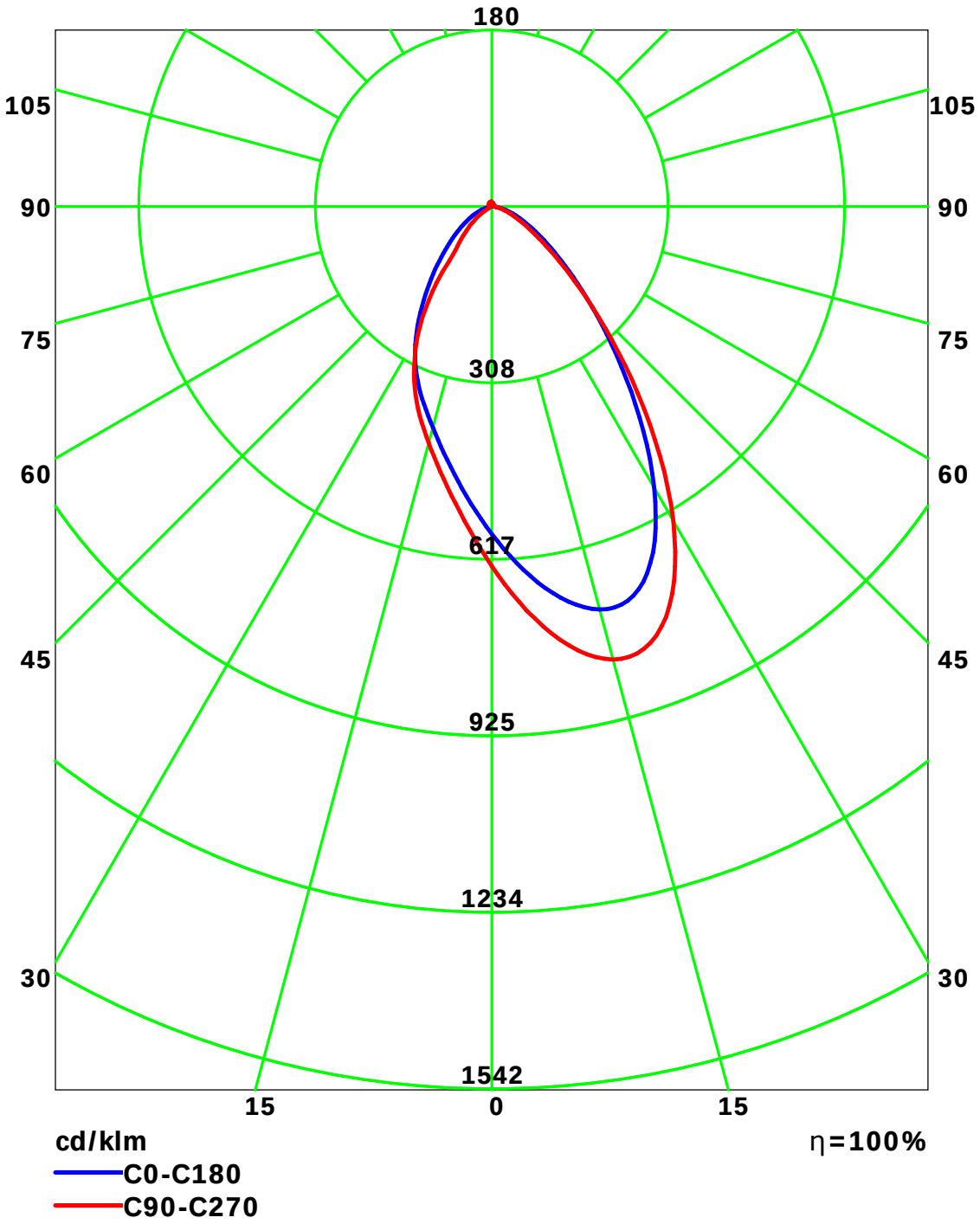
Luminous Intensity Distribution Curve



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:
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Temperature: 25
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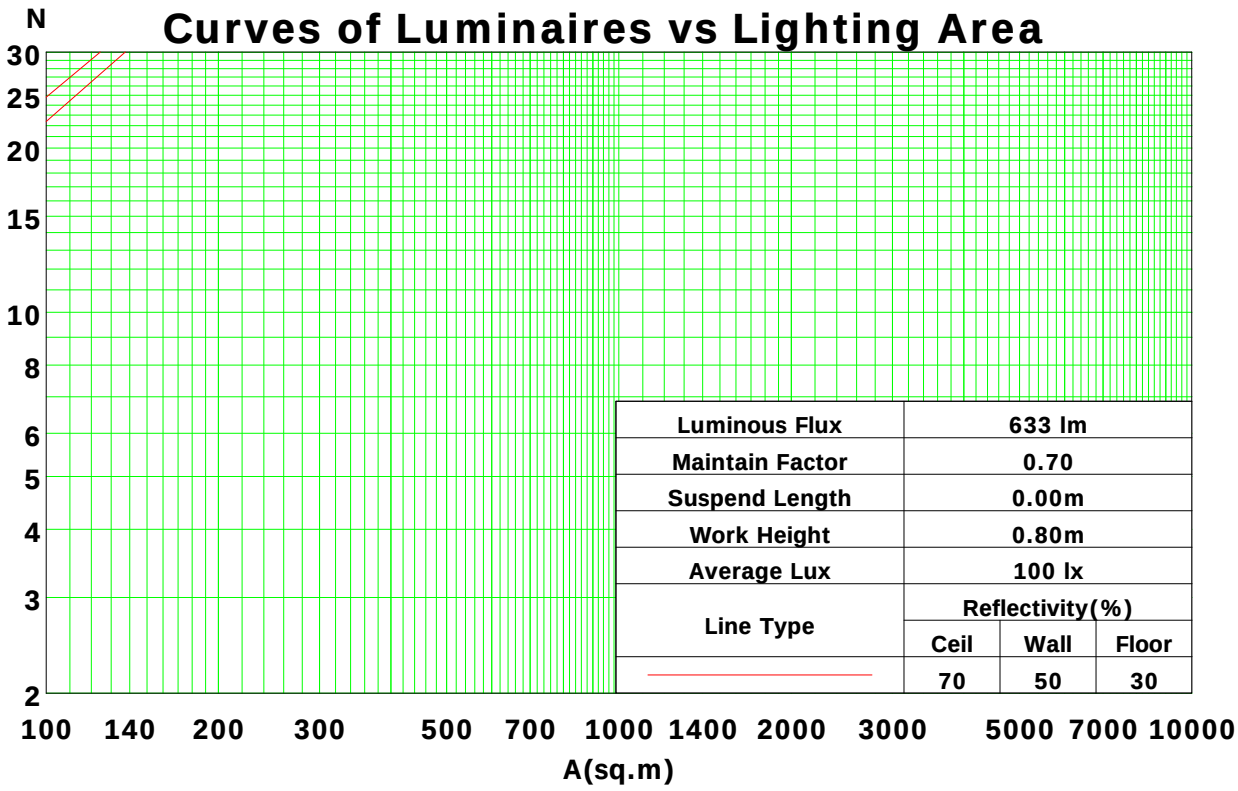
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

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	104	104	104	99	99	99	97
1	111	107	104	101	108	105	102	100	100	98	96	96	94	92	92	91	89	87
2	104	97	92	88	101	95	91	87	91	88	84	88	85	82	85	82	80	78
3	97	88	82	77	94	87	81	76	84	79	75	81	77	73	78	74	72	70
4	90	81	74	68	88	79	73	68	77	71	67	74	69	66	72	68	64	63
5	84	74	67	61	82	73	66	61	70	65	60	68	63	59	66	62	58	57
6	79	68	61	55	77	67	60	55	65	59	54	63	58	54	61	57	53	51
7	74	63	55	50	72	62	55	50	60	54	50	59	53	49	57	52	49	47
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	53	48	45	43
9	66	54	47	42	64	53	47	42	52	46	42	51	45	41	50	45	41	39
10	62	50	44	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37

Spacing Criteria (0-180): 1.12
Spacing Criteria (90-270): 1.10
Spacing Criteria (Diagonal): 1.13

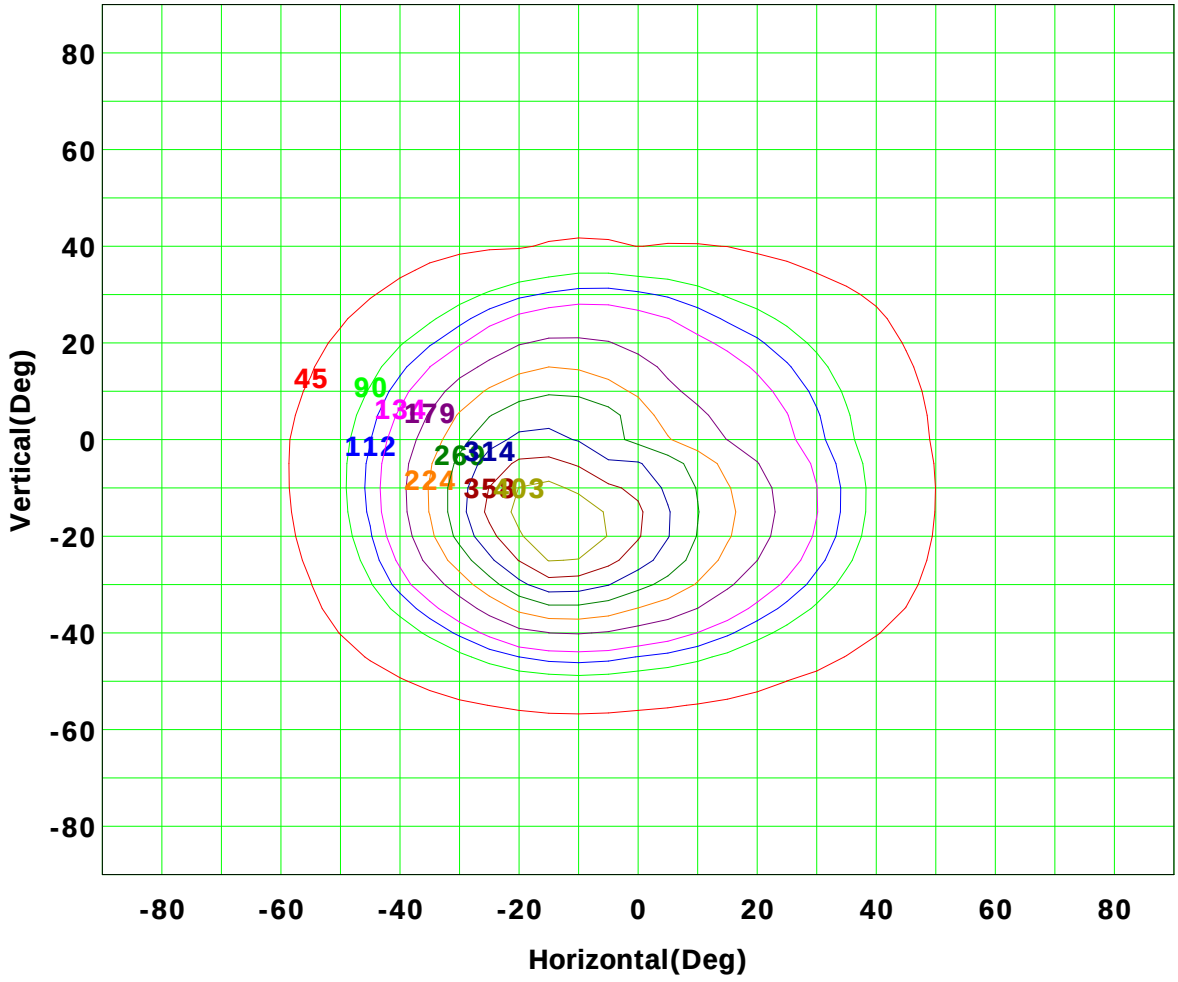
Curves of Luminaires vs Lighting Area



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)



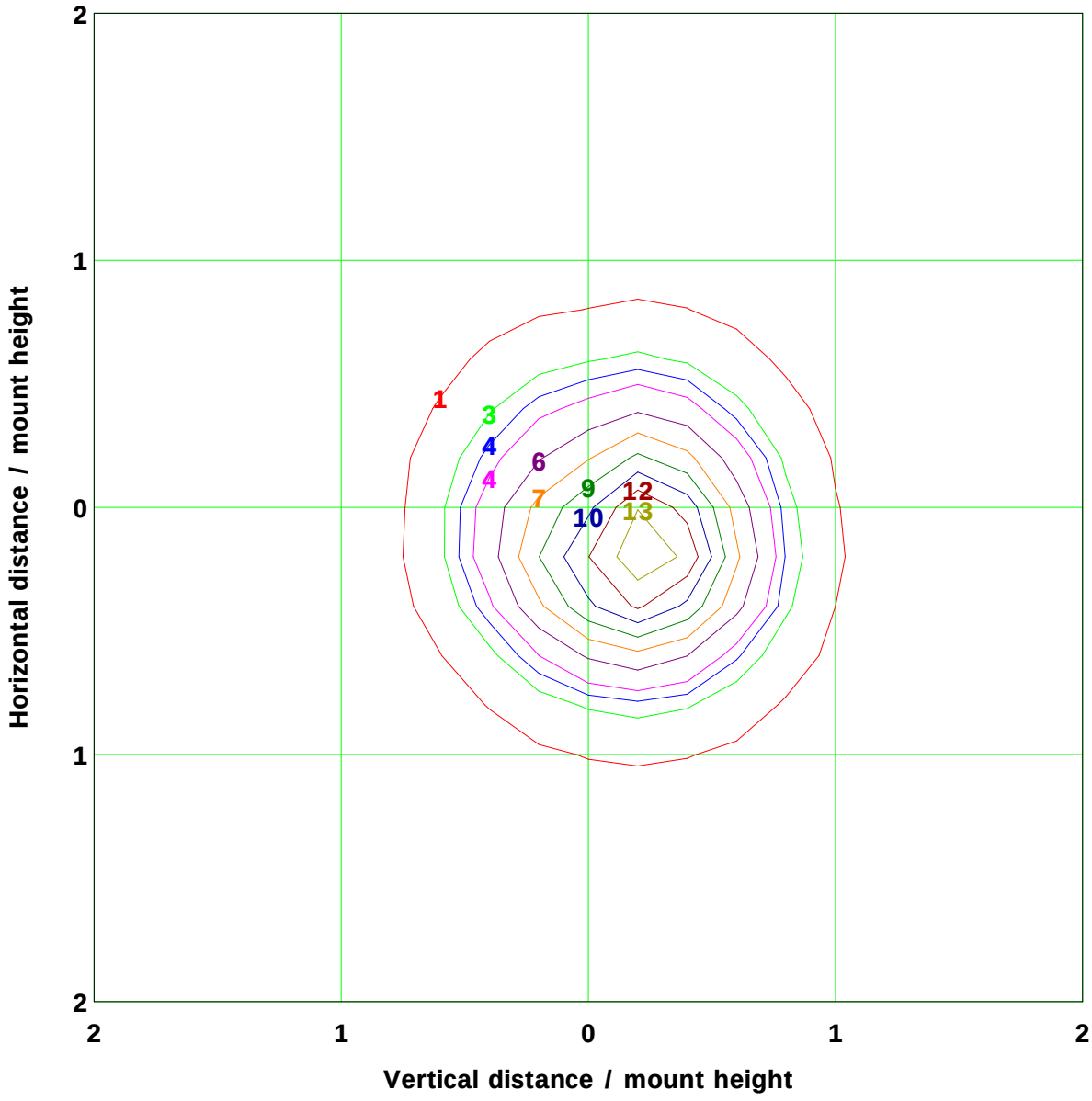
Imax (100%): 448 cd

(10%):	45 cd	(20%):	90 cd
(25%):	112 cd	(30%):	134 cd
(40%):	179 cd	(50%):	224 cd
(60%):	269 cd	(70%):	314 cd
(80%):	358 cd	(90%):	403 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%): 14.9 lx

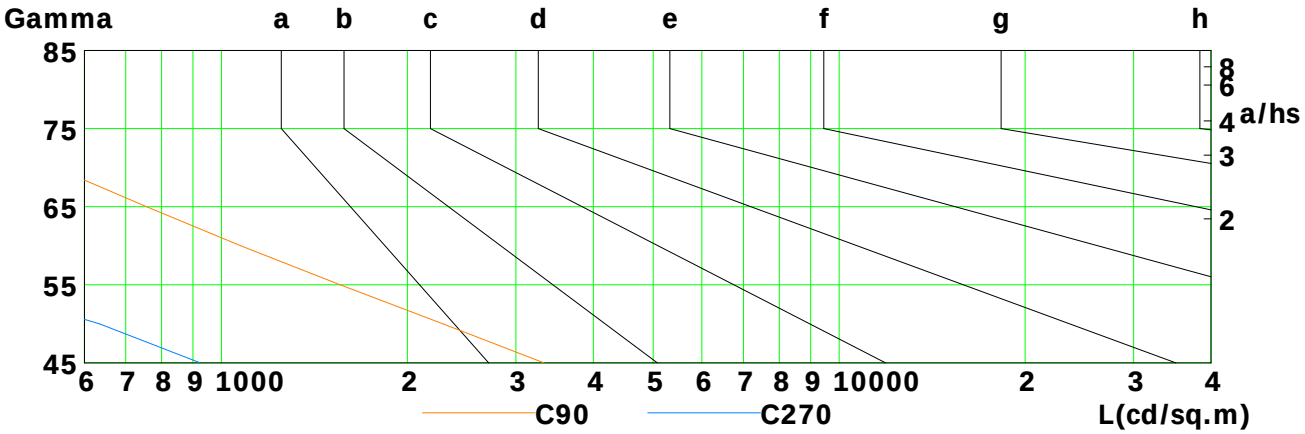
(10%): 1.5 lx	(20%): 3.0 lx
(25%): 3.7 lx	(30%): 4.5 lx
(40%): 6.0 lx	(50%): 7.5 lx
(60%): 9.0 lx	(70%): 10.5 lx
(80%): 11.9 lx	(90%): 13.4 lx

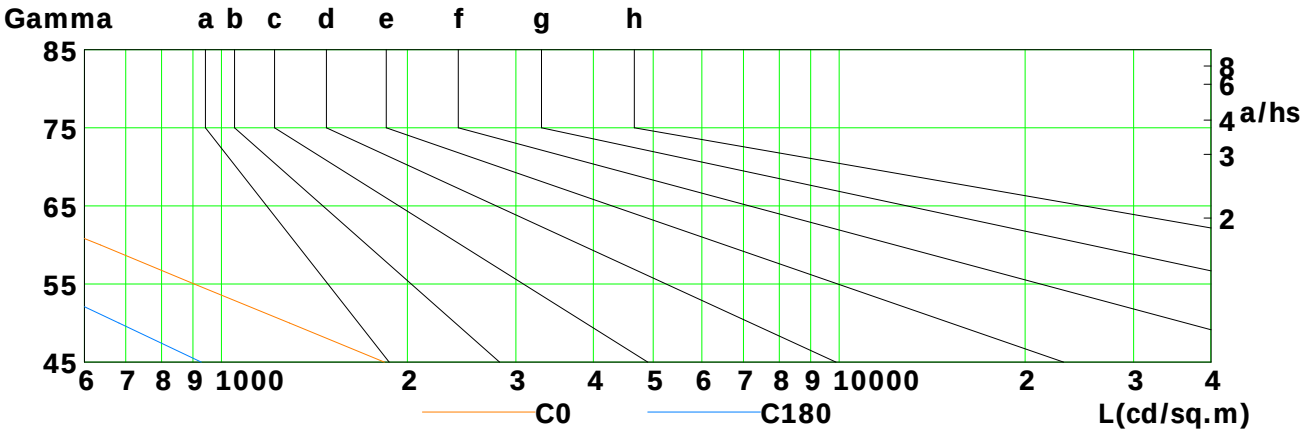
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



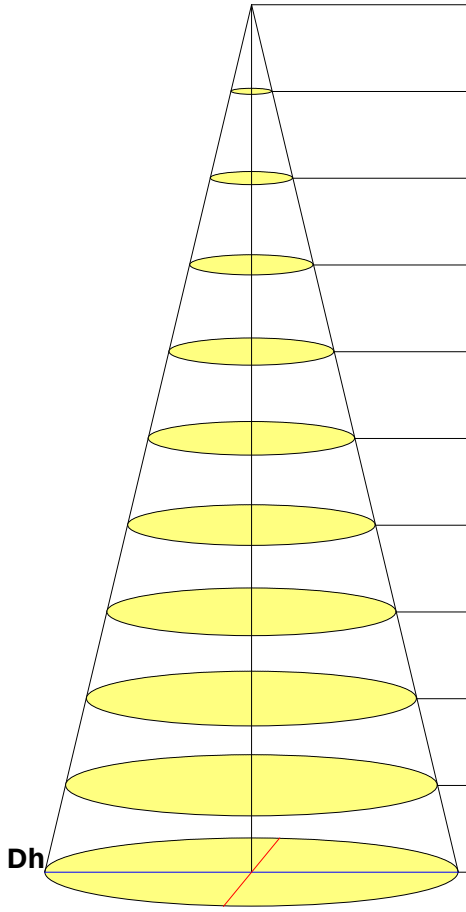


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1836	1290	904	637	447	306	195	100	33
C90	3329	2285	1558	1075	757	538	376	238	146
C180	928	683	502	363	255	167	94	37	8
C270	925	635	390	141	75	64	75	84	100

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



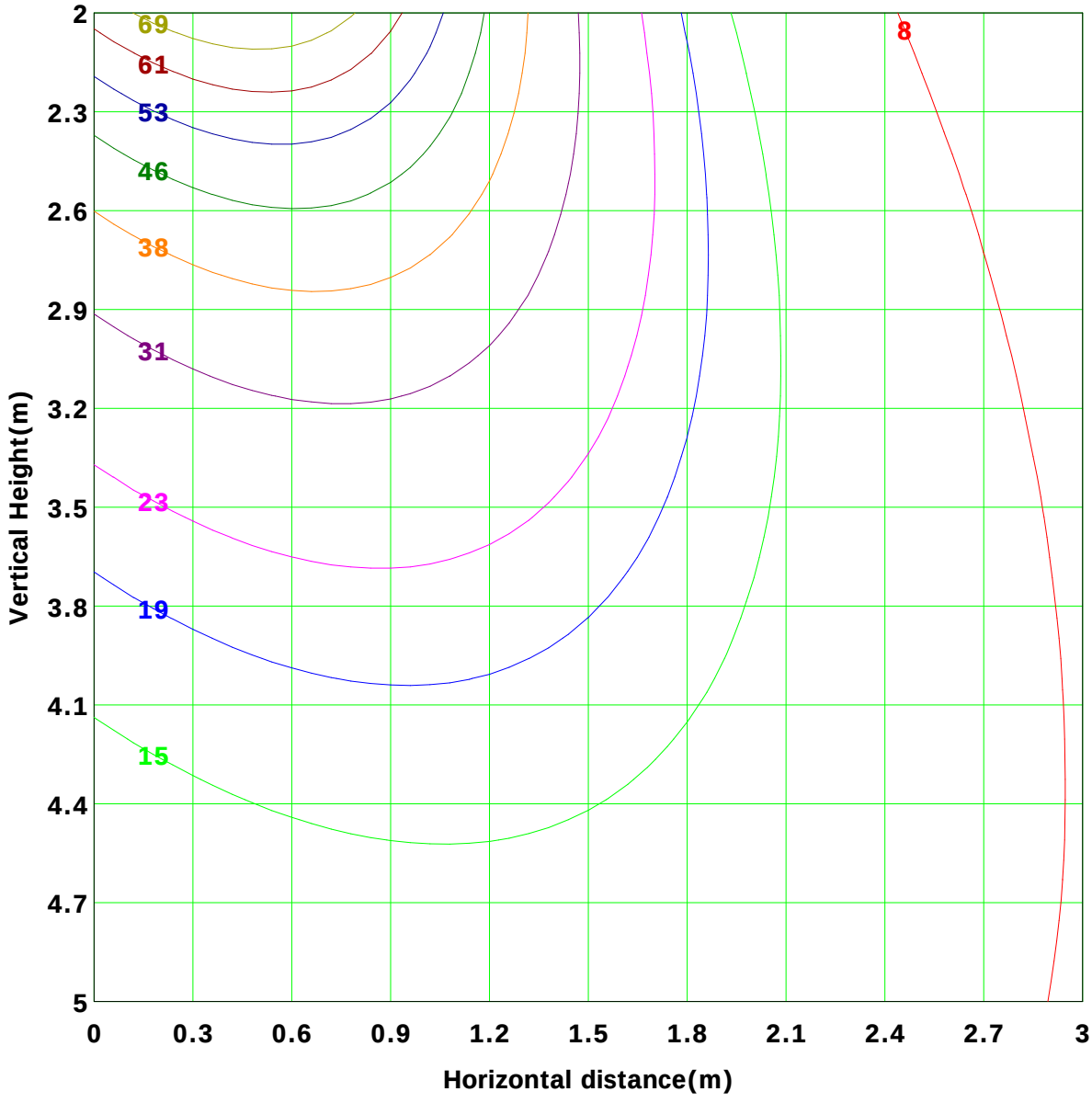
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	255.88	1.32/1.24	1.4	105.70
2.0	63.97	2.63/2.49	5.6	26.43
3.0	28.43	3.95/3.73	12.6	11.74
4.0	15.99	5.27/4.97	22.3	6.61
5.0	10.24	6.59/6.22	34.9	4.23
6.0	7.11	7.90/7.46	50.3	2.94
7.0	5.22	9.22/8.71	68.4	2.16
8.0	4.00	10.54/9.95	89.4	1.65
9.0	3.16	11.85/11.19	113.1	1.30
10.0	2.56	13.17/12.44	139.7	1.06

Beam Angle(B): H66.7 V63.7 Field Angle(F): H120.9 V104.4

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: 76.3 lx

(10%): 7.6 lx	(20%): 15.3 lx
(25%): 19.1 lx	(30%): 22.9 lx
(40%): 30.5 lx	(50%): 38.1 lx
(60%): 45.8 lx	(70%): 53.4 lx
(80%): 61.0 lx	(90%): 68.7 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

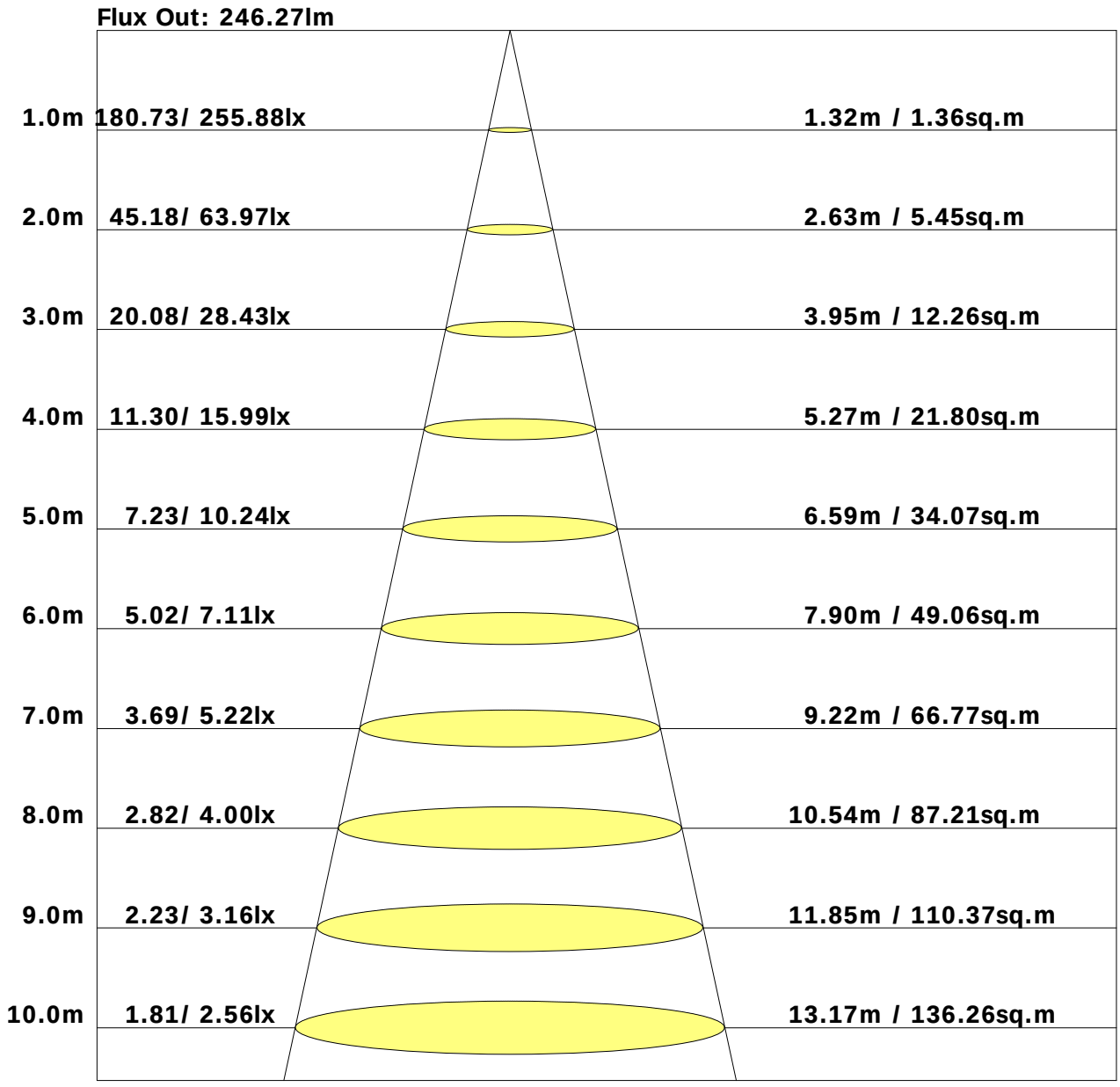
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	2.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-60	0.0	5.1	0.0	0.1	0.1	0.2	0.2	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0
-50	6.1	10.6	0.1	0.1	0.2	0.2	0.4	0.7	1.0	1.2	1.3	1.3	1.2	1.0	0.8	0.6	0.3	0.2	0.1	0.0	0.0
-40	15.9	19.3	0.1	0.2	0.3	0.3	0.6	1.1	1.7	2.4	2.7	2.6	2.3	2.0	1.5	1.0	0.5	0.2	0.1	0.0	0.0
-30	27.8	30.9	0.1	0.2	0.4	0.4	0.9	1.7	2.9	4.1	4.6	4.3	3.7	3.1	2.3	1.4	0.7	0.3	0.1	0.0	0.0
-20	41.0	43.9	0.1	0.2	0.6	0.6	1.2	2.5	4.5	6.2	6.8	6.2	5.0	4.2	3.2	1.9	0.8	0.3	0.1	0.1	0.1
-10	55.2	58.1	0.1	0.3	0.6	0.6	1.4	3.2	6.1	8.8	9.5	8.6	6.3	5.2	4.0	2.3	1.0	0.4	0.1	0.1	0.1
0	66.9	69.9	0.1	0.3	0.7	0.7	1.6	3.7	7.4	11.1	11.9	9.8	8.4	6.3	4.6	2.5	1.0	0.4	0.1	0.1	0.1
10	68.9	71.8	0.1	0.3	0.7	0.7	1.5	3.6	7.5	11.5	12.5	10.8	8.7	6.5	4.4	2.4	0.9	0.4	0.1	0.1	0.1
20	53.8	56.7	0.1	0.2	0.6	0.6	1.3	2.8	5.4	8.3	9.9	9.1	7.3	5.2	3.4	1.8	0.8	0.3	0.1	0.1	0.0
30	32.0	34.8	0.1	0.2	0.5	0.5	0.9	1.8	3.1	4.8	5.6	5.5	4.6	3.4	2.2	1.2	0.6	0.3	0.1	0.1	0.0
40	14.7	17.7	0.1	0.1	0.3	0.3	0.6	1.0	1.6	2.2	2.5	2.6	2.2	1.7	1.2	0.7	0.4	0.2	0.1	0.0	0.0
50	3.9	7.9	0.0	0.1	0.2	0.2	0.3	0.5	0.7	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.2	0.1	0.1	0.0	0.0
60	0.0	3.2	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0
70	0.0	0.9	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	0.0
80	0.0	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	0.0
90		434	0.9	2.4	5.5	11.4	23.3	42.9	62.6	69.8	62.9	51.8	40.6	29.1	16.8	7.7	3.3	1.1	0.6	0.6	0.6
Flux(E)	386		0.0	0.0	0.0	0.0	4.8	20.4	41.0	68.4	61.4	50.2	38.9	26.8	12.9	0.3	0.0	0.0	0.0	0.0	0.0

Horizontal plane

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



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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:

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	13.6	14.8	14.0	15.2	15.6	11.7	12.9	12.1	13.3	13.7
3H	14.3	15.4	14.8	15.8	16.3	12.2	13.2	12.6	13.6	14.1
4H	14.5	15.6	15.0	16.0	16.4	12.3	13.3	12.7	13.7	14.1
6H	14.6	15.6	15.1	16.0	16.5	12.3	13.2	12.8	13.6	14.1
8H	14.6	15.5	15.1	15.9	16.4	12.3	13.1	12.8	13.6	14.1
12H	14.6	15.4	15.1	15.9	16.4	12.2	13.1	12.7	13.5	14.0
X=4H Y=2H	13.5	14.6	14.0	15.0	15.4	12.0	13.0	12.4	13.4	13.8
3H	14.4	15.2	14.9	15.7	16.2	12.6	13.4	13.0	13.9	14.3
4H	14.7	15.4	15.1	15.9	16.4	12.7	13.5	13.2	13.9	14.4
6H	14.8	15.4	15.3	15.9	16.5	12.8	13.4	13.3	13.9	14.5
8H	14.8	15.4	15.3	15.9	16.4	12.8	13.4	13.3	13.9	14.4
12H	14.8	15.3	15.3	15.8	16.4	12.7	13.3	13.3	13.8	14.4
X=8H Y=4H	14.6	15.2	15.1	15.7	16.2	12.8	13.4	13.3	13.9	14.4
6H	14.7	15.2	15.3	15.7	16.3	12.8	13.3	13.4	13.9	14.4
8H	14.7	15.2	15.3	15.7	16.3	12.9	13.3	13.4	13.9	14.4
12H	14.7	15.1	15.3	15.6	16.3	12.9	13.2	13.4	13.8	14.4
X=12H Y=4H	14.5	15.1	15.1	15.6	16.1	12.7	13.3	13.3	13.8	14.3
6H	14.7	15.1	15.2	15.6	16.2	12.8	13.3	13.4	13.8	14.4
8H	14.7	15.1	15.3	15.6	16.3	12.8	13.2	13.4	13.8	14.4

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 = 1.00				
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	0.71	0.80	0.86	0.90	0.95	0.99	1.01	1.05	1.07
	0.30		0.64	0.74	0.80	0.84	0.91	0.95	0.98	1.02	1.04
	0.20		0.60	0.69	0.76	0.80	0.87	0.92	0.95	0.99	1.02
0.50	0.50	0.20	0.69	0.77	0.83	0.87	0.92	0.95	0.97	1.00	1.02
	0.30		0.63	0.72	0.78	0.82	0.88	0.92	0.94	0.98	1.00
	0.20		0.59	0.69	0.75	0.79	0.85	0.89	0.92	0.96	0.98
0.30	0.50	0.20	0.67	0.75	0.81	0.84	0.89	0.92	0.94	0.96	0.98
	0.30		0.63	0.71	0.77	0.80	0.86	0.89	0.91	0.94	0.96
	0.20		0.59	0.68	0.73	0.77	0.83	0.87	0.89	0.93	0.95
0.00	0.00	0.00	0.57	0.65	0.70	0.74	0.79	0.83	0.85	0.88	0.89

Rating:9W 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 = 1.00								
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	0.77	0.62	0.52	0.45	0.35	0.29	0.25	0.19	0.15
	0.30		0.64	0.53	0.45	0.40	0.32	0.27	0.23	0.18	0.15
	0.20		0.55	0.46	0.40	0.36	0.29	0.25	0.21	0.17	0.14
0.50	0.50	0.20	0.74	0.59	0.49	0.42	0.33	0.31	0.23	0.18	0.14
	0.30		0.62	0.51	0.43	0.38	0.30	0.25	0.21	0.17	0.14
	0.20		0.54	0.45	0.39	0.34	0.28	0.23	0.20	0.16	0.13
0.30	0.50	0.20	0.70	0.55	0.46	0.40	0.31	0.25	0.21	0.16	0.13
	0.30		0.60	0.49	0.41	0.36	0.28	0.24	0.20	0.16	0.13
	0.20		0.53	0.44	0.37	0.33	0.26	0.22	0.19	0.15	0.12
0.00	0.00	0.00	0.40	0.32	0.27	0.23	0.18	0.15	0.13	0.10	0.08

Rating:9W 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 = 1.00								
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	0.19	0.20	0.20	0.22	0.22	0.23	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.08	0.10	0.12	0.13	0.15	0.17	0.18	0.19	0.20
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23
	0.30		0.12	0.13	0.15	0.16	0.17	0.19	0.19	0.21	0.21
	0.20		0.08	0.10	0.12	0.13	0.15	0.16	0.17	0.19	0.20
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Rating:9W 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	272.5	0.3	0.3	0.06	0.06
1.0-2.0	272.5	0.8	1.0	0.18	0.23
2.0-3.0	272.6	1.3	2.3	0.29	0.53
3.0-4.0	272.6	1.8	4.2	0.41	0.93
4.0-5.0	272.6	2.3	6.5	0.52	1.46
5.0-6.0	272.7	2.9	9.4	0.64	2.10
6.0-7.0	272.7	3.4	12.8	0.76	2.86
7.0-8.0	272.7	3.9	16.7	0.87	3.73
8.0-9.0	272.6	4.4	21.1	0.99	4.72
9.0-10.0	272.5	4.9	26.0	1.10	5.82
10.0-11.0	272.3	5.4	31.5	1.22	7.04
11.0-12.0	272.0	5.9	37.4	1.33	8.37
12.0-13.0	271.6	6.4	43.9	1.44	9.81
13.0-14.0	271.0	6.9	50.8	1.55	11.37
14.0-15.0	270.1	7.4	58.2	1.66	13.02
15.0-16.0	269.0	7.9	66.1	1.76	14.79
16.0-17.0	267.6	8.3	74.4	1.86	16.65
17.0-18.0	265.8	8.8	83.2	1.96	18.61
18.0-19.0	263.6	9.2	92.4	2.05	20.67
19.0-20.0	261.0	9.6	101.9	2.14	22.80
20.0-21.0	257.9	9.9	111.8	2.22	25.02
21.0-22.0	254.3	10.2	122.0	2.29	27.31
22.0-23.0	250.0	10.5	132.5	2.35	29.65
23.0-24.0	245.3	10.7	143.3	2.40	32.05
24.0-25.0	239.9	10.9	154.2	2.44	34.50
25.0-26.0	234.1	11.1	165.2	2.47	36.97
26.0-27.0	227.7	11.1	176.4	2.49	39.46
27.0-28.0	220.8	11.2	187.5	2.50	41.96
28.0-29.0	213.5	11.2	198.7	2.50	44.46
29.0-30.0	205.9	11.1	209.8	2.49	46.95
30.0-31.0	197.8	11.0	220.8	2.46	49.41
31.0-32.0	189.5	10.9	231.7	2.43	51.84
32.0-33.0	181.0	10.7	242.4	2.39	54.23
33.0-34.0	172.3	10.4	252.8	2.33	56.56
34.0-35.0	163.5	10.2	262.9	2.27	58.83
35.0-36.0	154.8	9.9	272.8	2.21	61.04

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	146.1	9.5	282.3	2.13	63.17
37.0-38.0	137.3	9.2	291.5	2.05	65.22
38.0-39.0	128.7	8.8	300.3	1.97	67.19
39.0-40.0	120.7	8.4	308.7	1.88	69.07
40.0-41.0	112.8	8.0	316.7	1.80	70.87
41.0-42.0	105.3	7.7	324.4	1.71	72.58
42.0-43.0	98.2	7.3	331.7	1.63	74.21
43.0-44.0	91.3	6.9	338.6	1.54	75.75
44.0-45.0	84.8	6.5	345.1	1.46	77.21
45.0-46.0	78.9	6.2	351.2	1.38	78.59
46.0-47.0	73.3	5.8	357.1	1.30	79.89
47.0-48.0	68.0	5.5	362.6	1.23	81.12
48.0-49.0	63.2	5.2	367.8	1.16	82.28
49.0-50.0	58.6	4.9	372.7	1.09	83.38
50.0-51.0	54.3	4.6	377.3	1.03	84.41
51.0-52.0	50.3	4.3	381.6	0.97	85.37
52.0-53.0	46.5	4.0	385.6	0.91	86.28
53.0-54.0	42.9	3.8	389.4	0.85	87.12
54.0-55.0	39.6	3.5	392.9	0.79	87.92
55.0-56.0	36.6	3.3	396.2	0.74	88.66
56.0-57.0	33.7	3.1	399.3	0.69	89.34
57.0-58.0	31.0	2.9	402.2	0.64	89.98
58.0-59.0	28.5	2.7	404.8	0.60	90.58
59.0-60.0	26.2	2.5	407.3	0.55	91.13
60.0-61.0	24.0	2.3	409.6	0.51	91.65
61.0-62.0	22.0	2.1	411.7	0.47	92.12
62.0-63.0	20.2	2.0	413.7	0.44	92.56
63.0-64.0	18.6	1.8	415.5	0.41	92.97
64.0-65.0	17.1	1.7	417.2	0.38	93.35
65.0-66.0	15.7	1.6	418.8	0.35	93.70
66.0-67.0	14.4	1.5	420.2	0.32	94.02
67.0-68.0	13.2	1.3	421.6	0.30	94.32
68.0-69.0	12.1	1.2	422.8	0.28	94.60
69.0-70.0	11.1	1.1	423.9	0.26	94.85
70.0-71.0	10.2	1.1	425.0	0.24	95.09
71.0-72.0	9.3	1.0	426.0	0.22	95.31

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	426.8	0.20	95.50
73.0-74.0	7.6	0.8	427.6	0.18	95.68
74.0-75.0	6.9	0.7	428.4	0.16	95.84
75.0-76.0	6.2	0.7	429.0	0.15	95.99
76.0-77.0	5.6	0.6	429.6	0.13	96.12
77.0-78.0	5.0	0.5	430.2	0.12	96.25
78.0-79.0	4.5	0.5	430.6	0.11	96.35
79.0-80.0	4.0	0.4	431.1	0.10	96.45
80.0-81.0	3.5	0.4	431.5	0.09	96.53
81.0-82.0	3.2	0.3	431.8	0.08	96.61
82.0-83.0	2.8	0.3	432.1	0.07	96.68
83.0-84.0	2.5	0.3	432.4	0.06	96.74
84.0-85.0	2.2	0.2	432.6	0.05	96.79
85.0-86.0	2.0	0.2	432.8	0.05	96.84
86.0-87.0	1.9	0.2	433.1	0.05	96.89
87.0-88.0	1.8	0.2	433.3	0.04	96.94
88.0-89.0	1.8	0.2	433.4	0.04	96.98
89.0-90.0	1.7	0.2	433.6	0.04	97.02
90.0-91.0	1.7	0.2	433.8	0.04	97.06
91.0-92.0	1.7	0.2	434.0	0.04	97.10
92.0-93.0	1.7	0.2	434.2	0.04	97.14
93.0-94.0	1.7	0.2	434.4	0.04	97.18
94.0-95.0	1.7	0.2	434.5	0.04	97.23
95.0-96.0	1.7	0.2	434.7	0.04	97.27
96.0-97.0	1.7	0.2	434.9	0.04	97.31
97.0-98.0	1.6	0.2	435.1	0.04	97.35
98.0-99.0	1.6	0.2	435.3	0.04	97.38
99.0-100.0	1.6	0.2	435.4	0.04	97.42
100.0-101.0	1.6	0.2	435.6	0.04	97.46
101.0-102.0	1.6	0.2	435.8	0.04	97.50
102.0-103.0	1.6	0.2	436.0	0.04	97.54
103.0-104.0	1.6	0.2	436.1	0.04	97.58
104.0-105.0	1.6	0.2	436.3	0.04	97.62
105.0-106.0	1.6	0.2	436.5	0.04	97.66
106.0-107.0	1.6	0.2	436.6	0.04	97.70
107.0-108.0	1.7	0.2	436.8	0.04	97.73

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	1.7	0.2	437.0	0.04	97.77
109.0-110.0	1.7	0.2	437.2	0.04	97.81
110.0-111.0	1.7	0.2	437.3	0.04	97.85
111.0-112.0	1.7	0.2	437.5	0.04	97.89
112.0-113.0	1.8	0.2	437.7	0.04	97.93
113.0-114.0	1.8	0.2	437.9	0.04	97.97
114.0-115.0	1.8	0.2	438.1	0.04	98.01
115.0-116.0	1.8	0.2	438.2	0.04	98.05
116.0-117.0	1.8	0.2	438.4	0.04	98.09
117.0-118.0	1.9	0.2	438.6	0.04	98.13
118.0-119.0	1.9	0.2	438.8	0.04	98.17
119.0-120.0	1.9	0.2	439.0	0.04	98.22
120.0-121.0	2.0	0.2	439.2	0.04	98.26
121.0-122.0	2.0	0.2	439.3	0.04	98.30
122.0-123.0	2.0	0.2	439.5	0.04	98.34
123.0-124.0	2.0	0.2	439.7	0.04	98.38
124.0-125.0	2.0	0.2	439.9	0.04	98.42
125.0-126.0	2.1	0.2	440.1	0.04	98.46
126.0-127.0	2.1	0.2	440.3	0.04	98.51
127.0-128.0	2.2	0.2	440.5	0.04	98.55
128.0-129.0	2.2	0.2	440.6	0.04	98.59
129.0-130.0	2.2	0.2	440.8	0.04	98.63
130.0-131.0	2.2	0.2	441.0	0.04	98.67
131.0-132.0	2.3	0.2	441.2	0.04	98.72
132.0-133.0	2.3	0.2	441.4	0.04	98.76
133.0-134.0	2.3	0.2	441.6	0.04	98.80
134.0-135.0	2.4	0.2	441.8	0.04	98.84
135.0-136.0	2.4	0.2	442.0	0.04	98.88
136.0-137.0	2.4	0.2	442.1	0.04	98.92
137.0-138.0	2.5	0.2	442.3	0.04	98.97
138.0-139.0	2.5	0.2	442.5	0.04	99.01
139.0-140.0	2.5	0.2	442.7	0.04	99.05
140.0-141.0	2.6	0.2	442.9	0.04	99.09
141.0-142.0	2.6	0.2	443.0	0.04	99.13
142.0-143.0	2.6	0.2	443.2	0.04	99.16
143.0-144.0	2.6	0.2	443.4	0.04	99.20

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	2.7	0.2	443.6	0.04	99.24
145.0-146.0	2.7	0.2	443.7	0.04	99.28
146.0-147.0	2.7	0.2	443.9	0.04	99.32
147.0-148.0	2.8	0.2	444.1	0.04	99.35
148.0-149.0	2.8	0.2	444.2	0.04	99.39
149.0-150.0	2.8	0.2	444.4	0.04	99.42
150.0-151.0	2.8	0.2	444.5	0.03	99.46
151.0-152.0	2.9	0.1	444.7	0.03	99.49
152.0-153.0	2.9	0.1	444.8	0.03	99.52
153.0-154.0	2.9	0.1	445.0	0.03	99.56
154.0-155.0	2.9	0.1	445.1	0.03	99.59
155.0-156.0	3.0	0.1	445.2	0.03	99.62
156.0-157.0	3.0	0.1	445.4	0.03	99.65
157.0-158.0	3.0	0.1	445.5	0.03	99.67
158.0-159.0	3.0	0.1	445.6	0.03	99.70
159.0-160.0	3.1	0.1	445.7	0.03	99.73
160.0-161.0	3.1	0.1	445.8	0.03	99.75
161.0-162.0	3.1	0.1	445.9	0.02	99.78
162.0-163.0	3.1	0.1	446.1	0.02	99.80
163.0-164.0	3.1	0.1	446.2	0.02	99.82
164.0-165.0	3.2	0.1	446.2	0.02	99.84
165.0-166.0	3.2	0.1	446.3	0.02	99.86
166.0-167.0	3.2	0.1	446.4	0.02	99.88
167.0-168.0	3.2	0.1	446.5	0.02	99.90
168.0-169.0	3.3	0.1	446.6	0.02	99.91
169.0-170.0	3.3	0.1	446.6	0.01	99.93
170.0-171.0	3.3	0.1	446.7	0.01	99.94
171.0-172.0	3.3	0.1	446.7	0.01	99.95
172.0-173.0	3.3	0.0	446.8	0.01	99.96
173.0-174.0	3.4	0.0	446.8	0.01	99.97
174.0-175.0	3.4	0.0	446.9	0.01	99.98
175.0-176.0	3.4	0.0	446.9	0.01	99.99
176.0-177.0	3.4	0.0	446.9	0.01	99.99
177.0-178.0	3.4	0.0	446.9	0.00	100.00
178.0-179.0	3.4	0.0	446.9	0.00	100.00
179.0-180.0	3.4	0.0	446.9	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: