GENLED Brands
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Report No.: **Test Time: 2023/3/1 16:49**

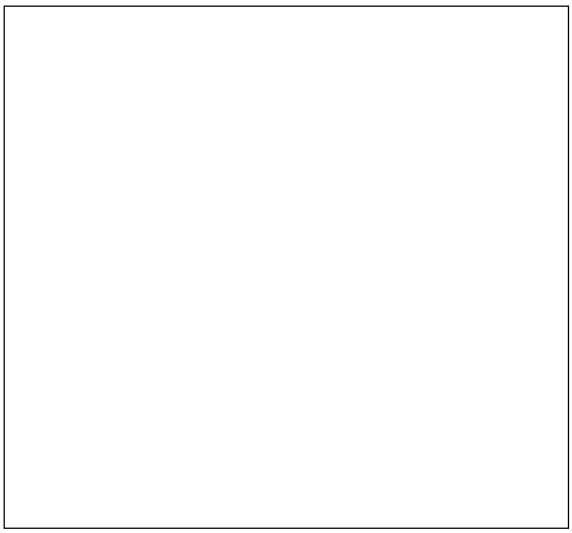
Luminaire Property

Luminaire Manufacturer: ACOLYTE
Luminaire Category: WALL WASHER
Luminaire Description: FORTEACNS12RGBW4065-WHITE ON
Luminous Length (mm): 330 **Luminous Width (mm): 96**
Luminous Height (mm): 162.5 **Voltage: 119.6 V**
Current: 0.172 A **Power: 9.56 W**
Power Factor: 0.465

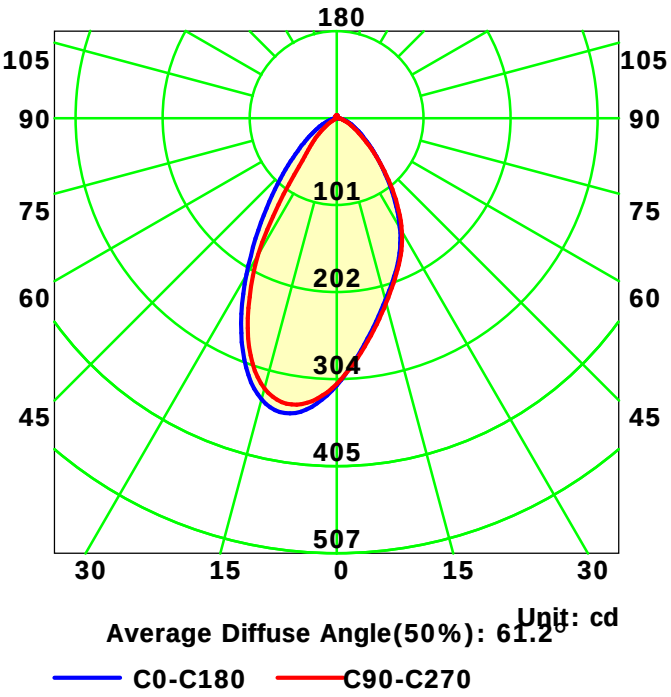
Photometric Results

CIE Class: Direct **Total Rated Lamp Lumens: 405.0 lm**
Measurement Flux: 405 lm **Efficiency: 100%**
Downward Ratio: 96% **Upward Ratio: 4%**
Horizontal Diffuse Angle(10%,50%): H115.9,H62
Vertical Diffuse Angle(10%,50%): V103.2,V60.4
Luminaire Efficacy Rating (LER): 42 **Central Intensity: 311.42 cd**
Max. Intensity: 385.52 cd **Pos of Max. Intensity: H210 V13**

Picture Of Luminaire

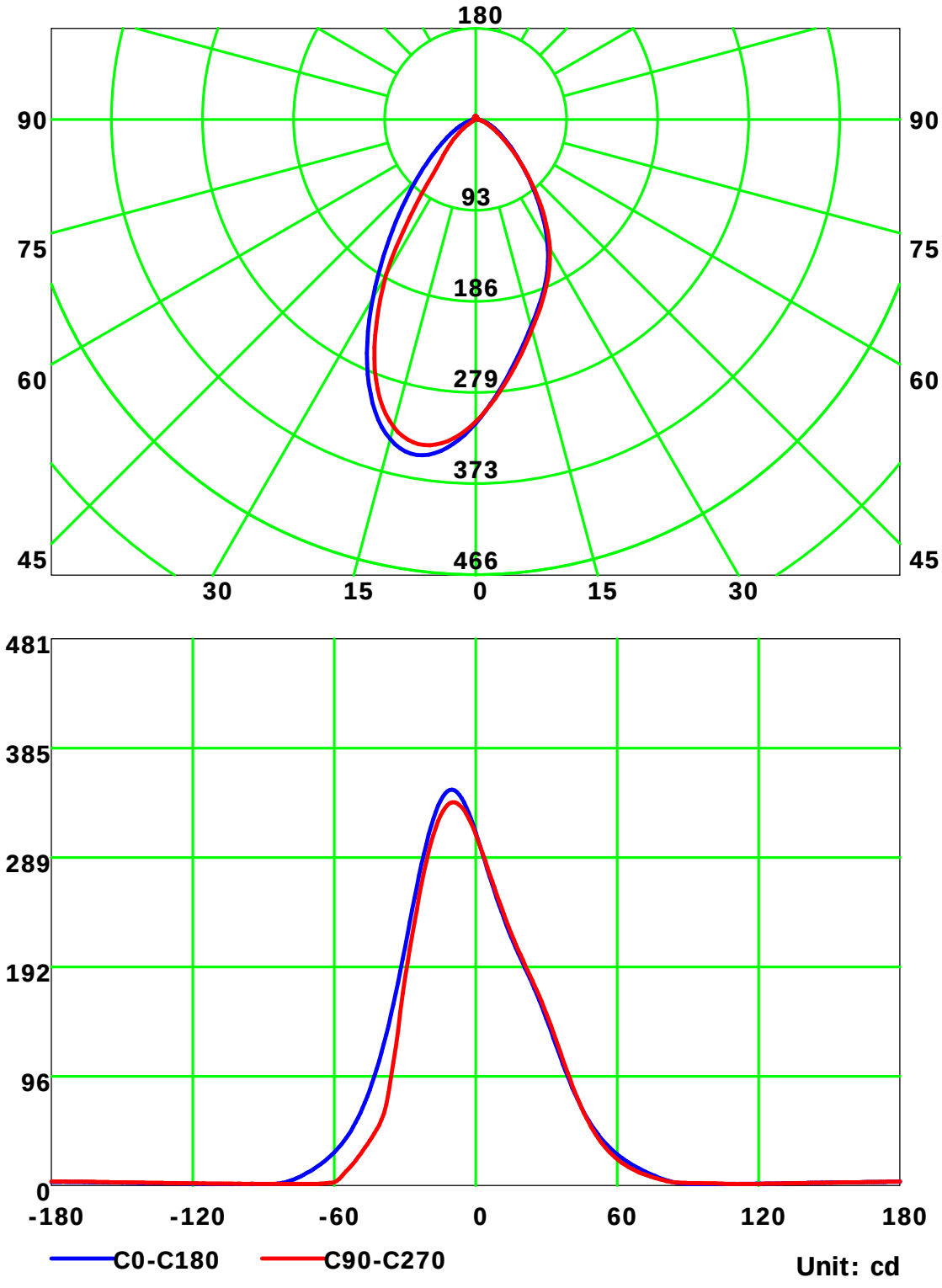


Luminous Intensity Distribution Curve



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:**

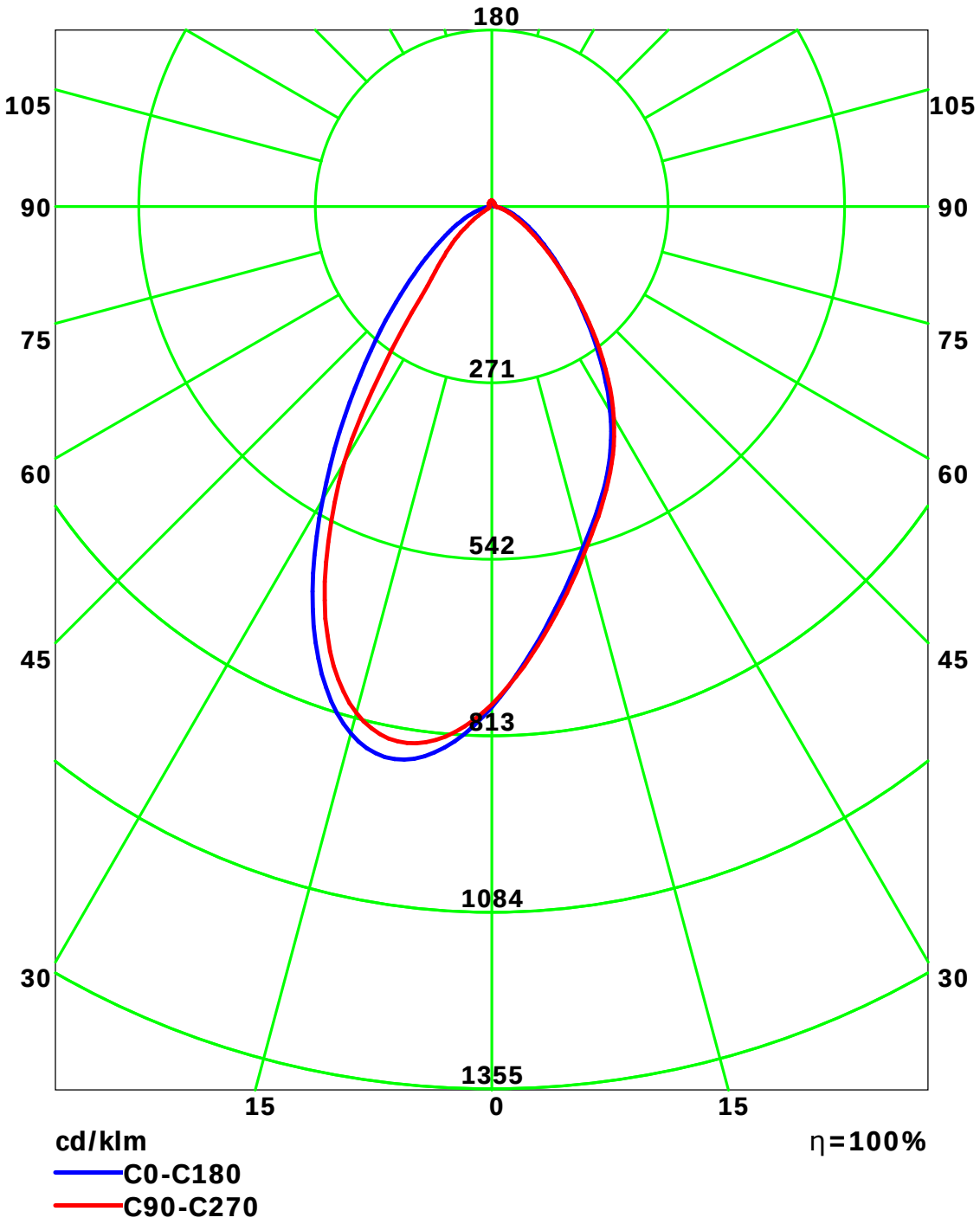
Luminous Intensity Distribution Curve



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
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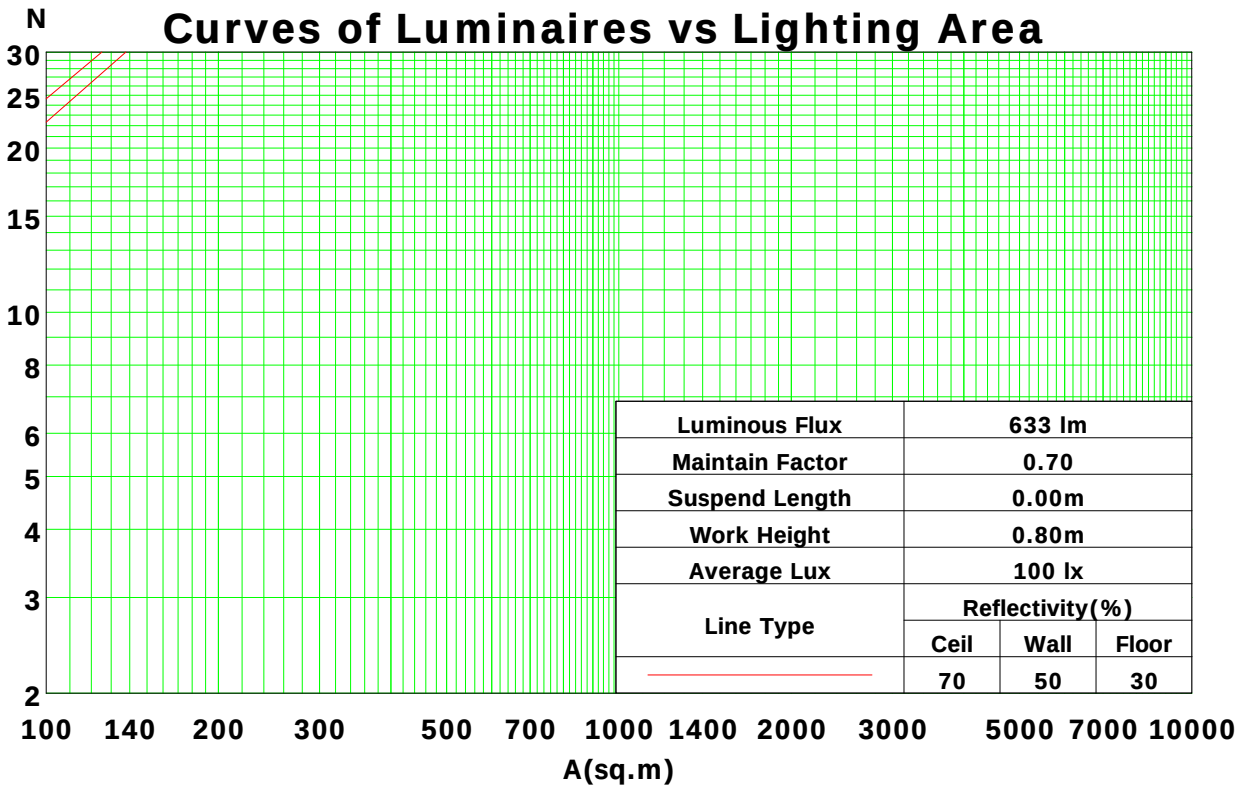
Inspector:

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	96
1	111	107	104	102	108	105	102	100	100	98	96	96	94	92	92	90	89	87
2	104	98	93	88	101	96	91	87	92	88	85	88	85	82	85	82	80	78
3	97	89	83	78	95	87	82	77	84	79	75	81	77	74	78	75	72	70
4	91	82	75	70	89	80	74	69	77	72	68	75	70	67	72	69	65	64
5	85	75	68	63	83	74	67	62	71	66	61	69	64	60	67	63	60	58
6	80	69	62	57	78	68	62	57	66	60	56	64	59	55	63	58	55	53
7	75	64	57	52	73	63	57	52	62	56	51	60	55	51	59	54	50	48
8	71	60	53	48	69	59	52	48	57	51	47	56	51	47	55	50	46	45
9	67	56	49	44	65	55	49	44	54	48	44	53	47	43	51	47	43	41
10	63	52	46	41	62	52	45	41	50	45	41	49	44	40	48	44	40	39

Spacing Criteria (0-180): 0.96
Spacing Criteria (90-270): 0.94
Spacing Criteria (Diagonal): 0.97

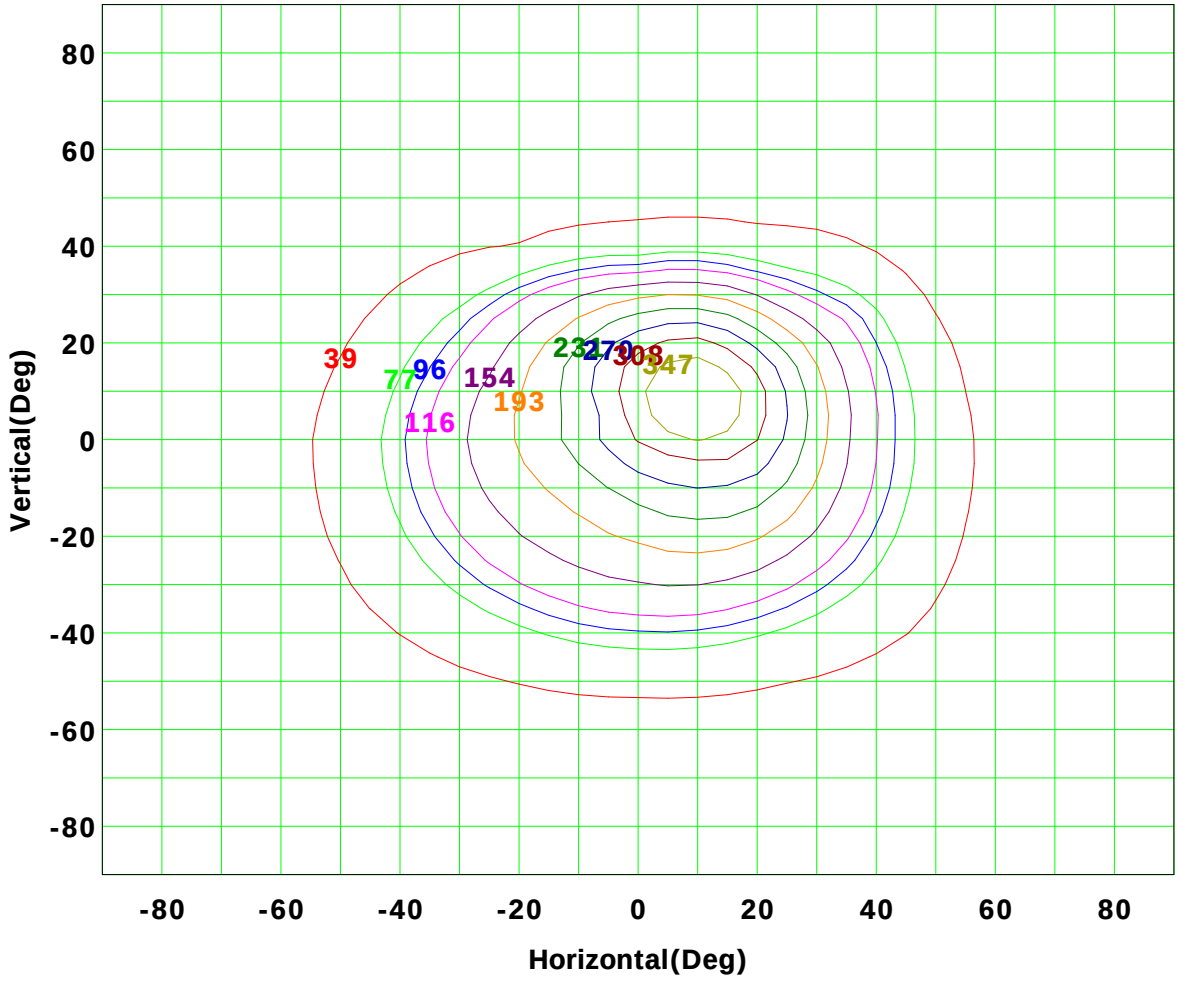
Curves of Luminaires vs Lighting Area



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)



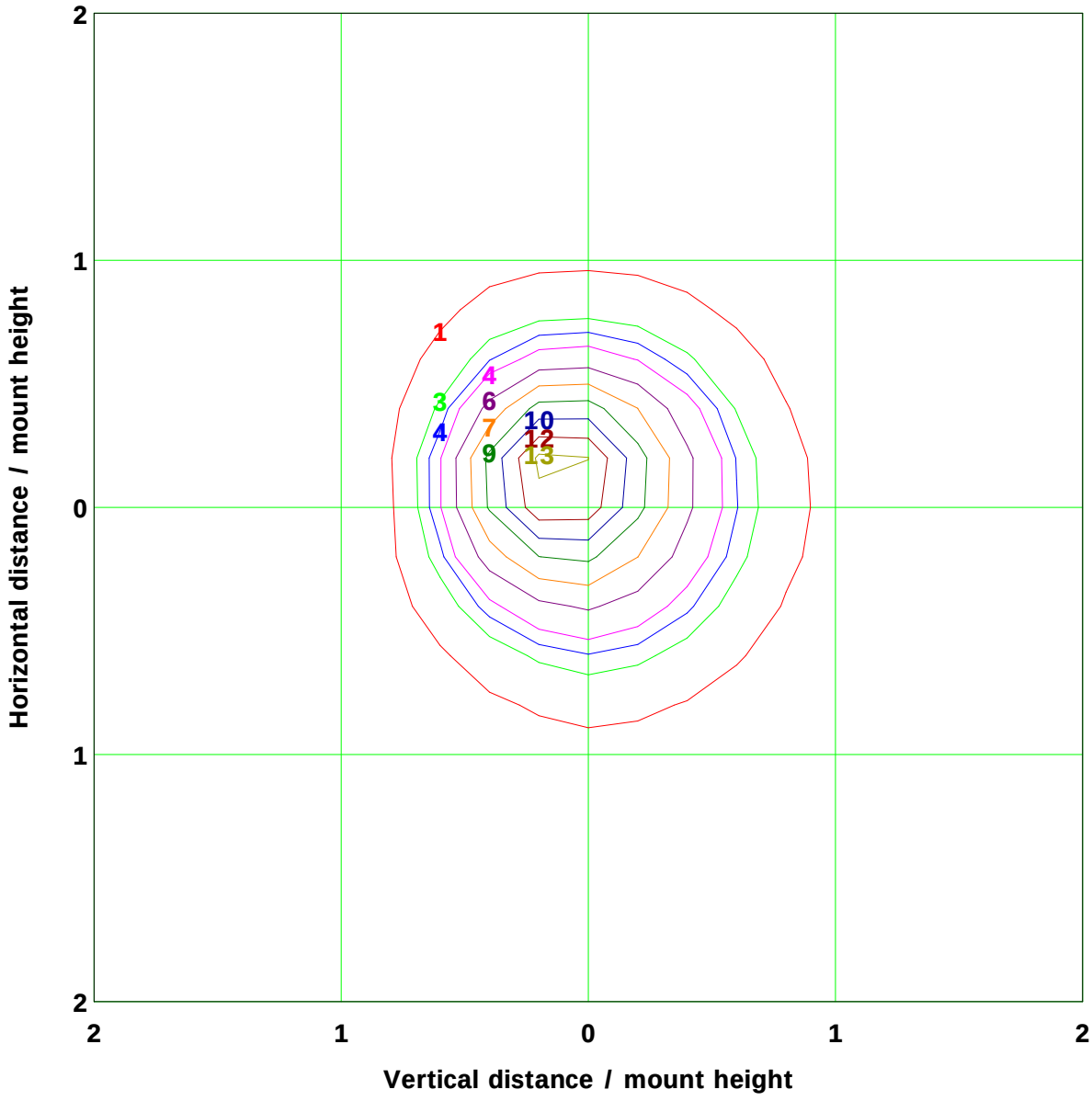
Imax (100%): 386 cd

(10%):	39 cd	(20%):	77 cd
(25%):	96 cd	(30%):	116 cd
(40%):	154 cd	(50%):	193 cd
(60%):	231 cd	(70%):	270 cd
(80%):	308 cd	(90%):	347 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%): 14.6 lx

(10%): 1.5 lx	(20%): 2.9 lx
(25%): 3.6 lx	(30%): 4.4 lx
(40%): 5.8 lx	(50%): 7.3 lx
(60%): 8.7 lx	(70%): 10.2 lx
(80%): 11.7 lx	(90%): 13.1 lx

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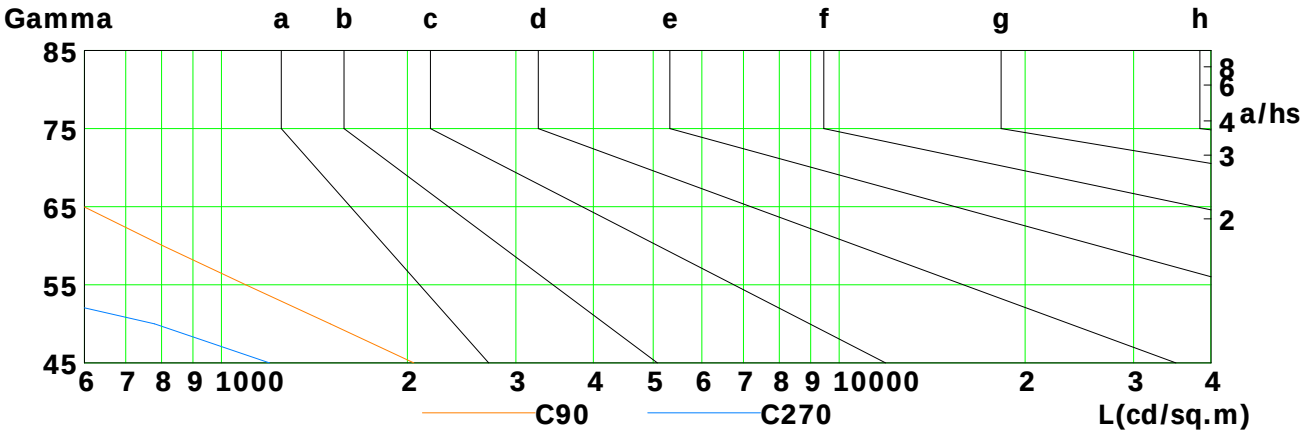
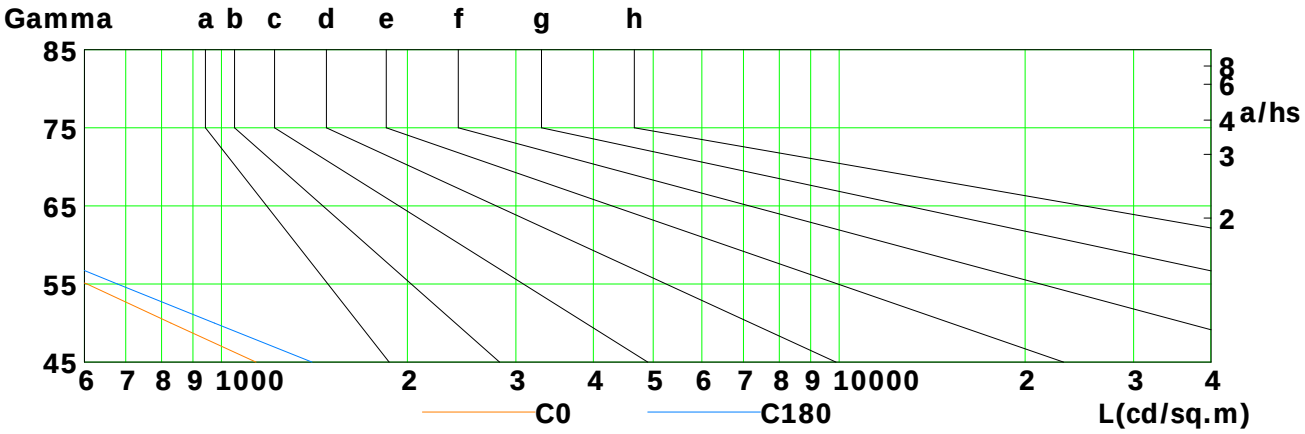
Operator: Nick

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



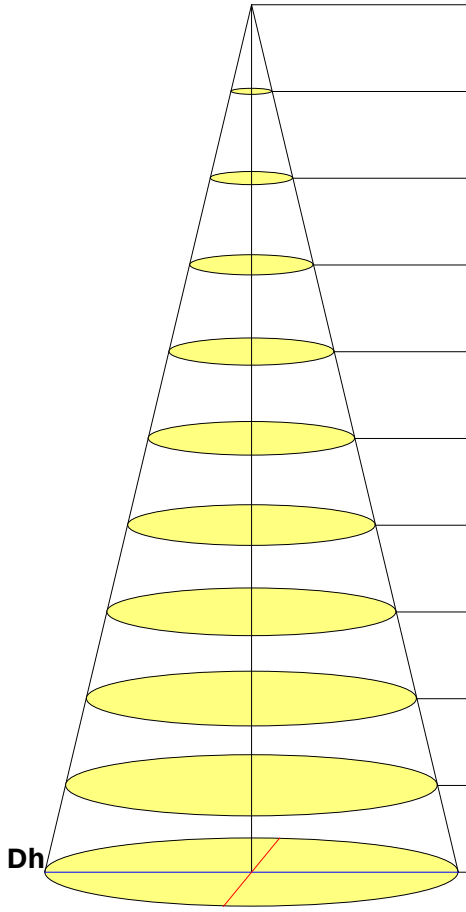


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1138	828	606	449	330	238	161	96	50
C90	2050	1501	1096	804	599	445	328	231	164
C180	1402	974	679	476	330	217	129	61	31
C270	1196	780	416	112	72	69	77	88	102

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



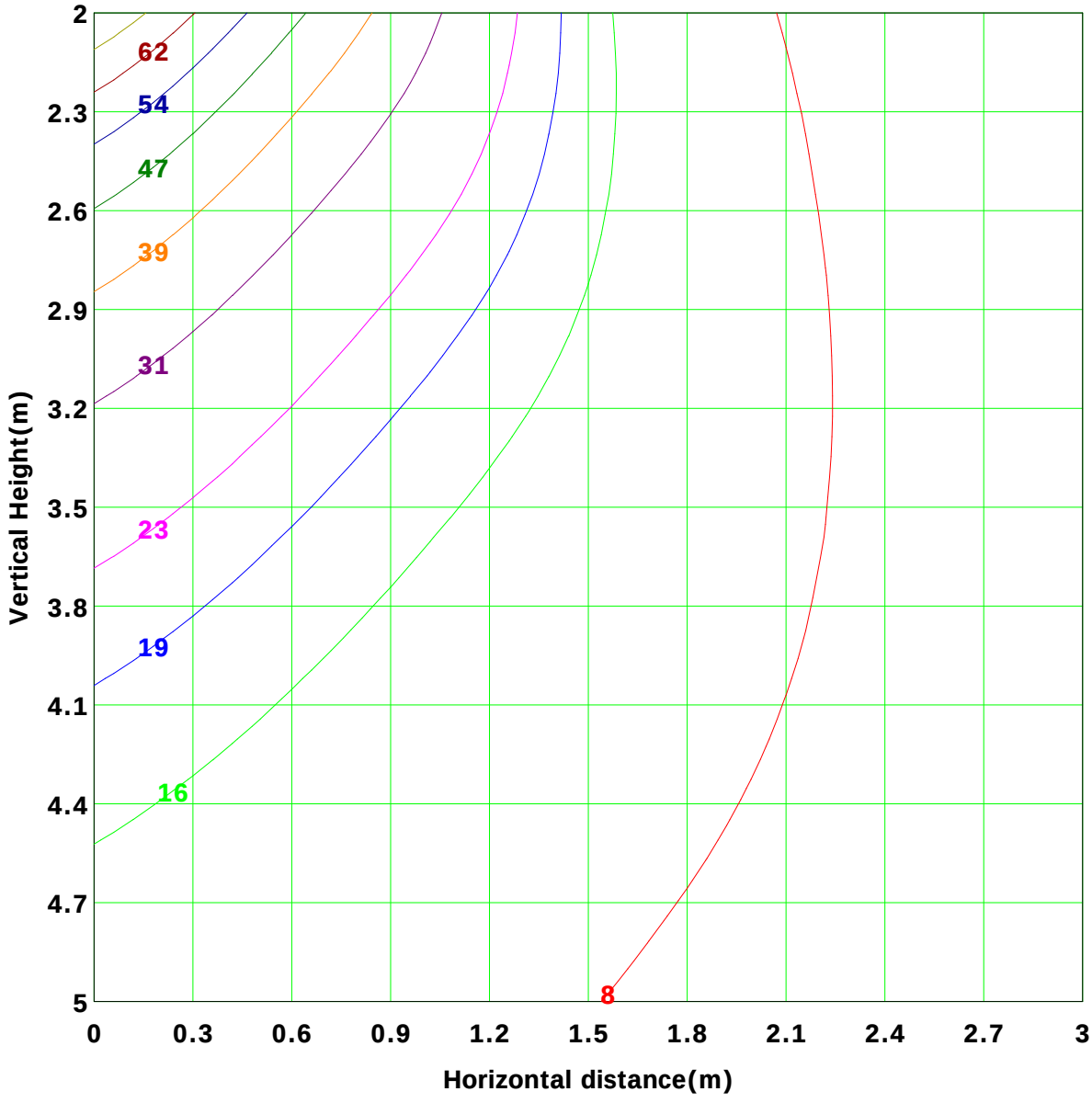
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	311.42	1.20/1.16	1.1	113.44
2.0	77.86	2.40/2.33	4.6	28.36
3.0	34.60	3.60/3.49	10.3	12.60
4.0	19.46	4.81/4.66	18.4	7.09
5.0	12.46	6.01/5.82	28.7	4.54
6.0	8.65	7.21/6.99	41.3	3.15
7.0	6.36	8.41/8.15	56.2	2.32
8.0	4.87	9.61/9.32	73.4	1.77
9.0	3.84	10.81/10.48	92.9	1.40
10.0	3.11	12.02/11.65	114.7	1.13

Beam Angle(B): H62.0 V60.4 Field Angle(F): H115.9 V103.2

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: 77.9 lx

(10%): 7.8 lx	(20%): 15.6 lx
(25%): 19.5 lx	(30%): 23.4 lx
(40%): 31.1 lx	(50%): 38.9 lx
(60%): 46.7 lx	(70%): 54.5 lx
(80%): 62.3 lx	(90%): 70.1 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

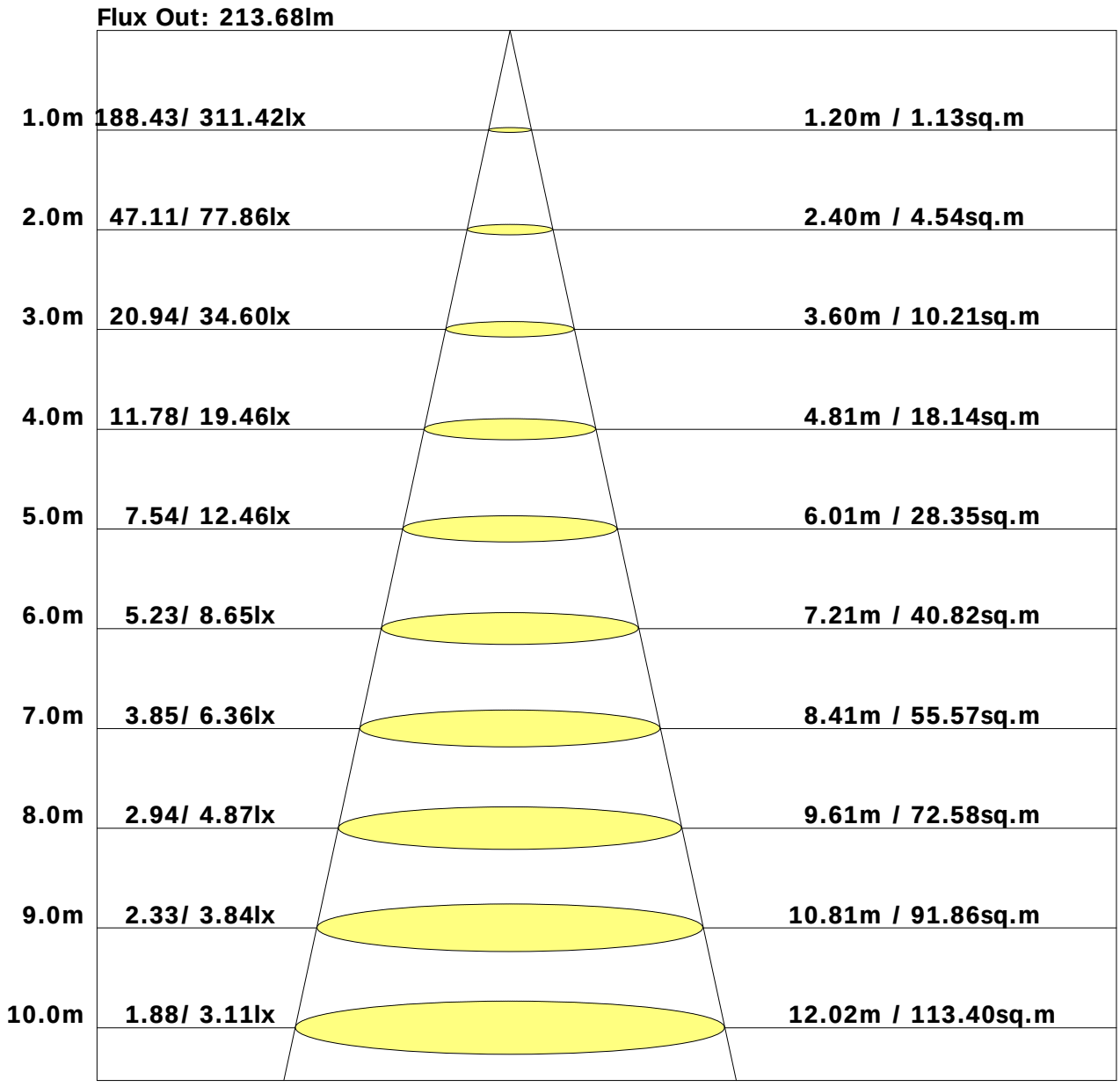
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
-90	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70	0.0	2.4	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-60	2.2	6.2	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.1	0.0	0.0	0.0
-50	11.1	13.8	0.1	0.1	0.3	0.4	0.7	1.0	1.4	1.7	1.8	1.9	1.7	1.3	0.8	0.4	0.2	0.1	0.1	0.0	0.0
-40	24.6	27.1	0.1	0.2	0.3	0.6	1.1	1.7	2.6	3.4	3.9	4.1	3.7	2.8	1.6	0.7	0.3	0.1	0.1	0.0	0.0
-30	42.3	44.8	0.1	0.2	0.4	0.8	1.5	2.6	4.1	5.5	6.8	7.4	6.8	4.8	2.3	1.0	0.3	0.1	0.1	0.1	0.1
-20	58.0	60.4	0.1	0.2	0.5	1.0	1.9	3.4	5.2	6.9	8.8	10.4	9.8	7.0	3.3	1.2	0.4	0.1	0.1	0.1	0.1
-10	61.4	64.0	0.1	0.2	0.5	1.1	2.1	3.8	5.5	7.1	8.9	10.9	10.5	7.7	3.6	1.3	0.4	0.1	0.1	0.1	0.1
0	53.1	55.7	0.1	0.2	0.5	1.0	2.1	3.6	5.1	6.4	7.8	8.6	8.6	6.7	3.3	1.2	0.4	0.1	0.1	0.1	0.1
10	41.2	43.9	0.1	0.2	0.5	0.9	1.8	3.0	4.3	5.3	6.1	6.5	6.2	4.9	2.5	1.0	0.4	0.1	0.1	0.1	0.1
20	28.9	31.7	0.1	0.2	0.4	0.8	1.3	2.2	3.2	4.1	4.6	4.7	4.1	3.1	1.6	0.7	0.3	0.1	0.1	0.1	0.0
30	17.1	20.0	0.1	0.2	0.3	0.6	0.9	1.4	2.0	2.6	2.9	2.9	2.4	1.7	1.0	0.5	0.2	0.1	0.1	0.0	0.0
40	7.6	10.9	0.1	0.1	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.4	1.2	0.9	0.5	0.3	0.2	0.1	0.1	0.0	0.0
50	1.0	5.4	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
60	0.0	2.4	0.0	0.0	0.0	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	0.0
70	0.0	0.8	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	0.0	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		390	1.0	2.2	4.5	8.4	15.1	25.2	36.4	46.3	55.3	60.8	56.9	42.2	21.5	9.0	3.4	1.0	0.7	0.6	0.0
Flux(T)	349		0.0	0.0	0.0	1.4	11.9	23.3	34.9	45.0	54.0	59.5	55.6	40.5	19.2	3.3	0.0	0.0	0.0	0.0	0.0
Flux(E)																					

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



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
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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	11.1	12.3	11.6	12.7	13.1	10.0	11.2	10.5	11.6	12.0
3H	12.2	13.2	12.6	13.7	14.1	10.7	11.7	11.1	12.2	12.6
4H	12.5	13.5	13.0	13.9	14.4	10.9	11.8	11.3	12.3	12.7
6H	12.7	13.6	13.2	14.1	14.5	10.9	11.8	11.4	12.3	12.8
8H	12.8	13.6	13.3	14.1	14.6	10.9	11.8	11.4	12.3	12.8
12H	12.8	13.6	13.3	14.0	14.6	10.9	11.7	11.4	12.2	12.7
X=4H Y=2H	11.1	12.1	11.6	12.5	13.0	10.4	11.4	10.9	11.8	12.3
3H	12.3	13.1	12.8	13.6	14.1	11.2	12.0	11.7	12.5	13.0
4H	12.7	13.4	13.2	13.9	14.4	11.4	12.1	11.9	12.6	13.2
6H	12.9	13.6	13.5	14.1	14.6	11.6	12.2	12.1	12.7	13.2
8H	13.0	13.6	13.5	14.1	14.6	11.6	12.2	12.1	12.7	13.2
12H	13.0	13.5	13.6	14.1	14.6	11.6	12.1	12.1	12.6	13.2
X=8H Y=4H	12.6	13.2	13.1	13.7	14.3	11.5	12.1	12.1	12.6	13.2
6H	12.9	13.4	13.5	13.9	14.5	11.7	12.2	12.3	12.7	13.3
8H	13.0	13.4	13.6	14.0	14.6	11.8	12.2	12.3	12.8	13.3
12H	13.1	13.4	13.6	14.0	14.6	11.8	12.2	12.4	12.7	13.4
X=12H Y=4H	12.6	13.1	13.1	13.6	14.2	11.5	12.0	12.1	12.6	13.1
6H	12.9	13.3	13.4	13.8	14.4	11.7	12.1	12.3	12.7	13.3
8H	13.0	13.3	13.5	13.9	14.5	11.8	12.2	12.4	12.7	13.4

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
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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	0.73	0.81	0.87	0.91	0.96	0.99	1.02	1.05	1.07
	0.30		0.67	0.76	0.81	0.86	0.92	0.96	0.98	1.02	1.04
	0.20		0.63	0.71	0.77	0.82	0.88	0.92	0.95	1.00	1.02
0.50	0.50	0.20	0.71	0.79	0.84	0.88	0.93	0.96	0.98	1.00	1.02
	0.30		0.66	0.74	0.80	0.84	0.89	0.92	0.95	0.98	1.00
	0.20		0.62	0.71	0.76	0.80	0.86	0.90	0.92	0.96	0.98
0.30	0.50	0.20	0.69	0.77	0.82	0.85	0.89	0.92	0.94	0.96	0.98
	0.30		0.65	0.73	0.78	0.81	0.86	0.89	0.92	0.94	0.96
	0.20		0.62	0.70	0.75	0.79	0.84	0.87	0.90	0.93	0.95
0.00	0.00	0.00	0.59	0.67	0.72	0.75	0.80	0.83	0.85	0.88	0.89

Rating:10W 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	0.74	0.60	0.50	0.43	0.34	0.28	0.24	0.19	0.15
	0.30		0.62	0.51	0.44	0.38	0.31	0.26	0.22	0.17	0.14
	0.20		0.53	0.44	0.39	0.34	0.28	0.24	0.21	0.16	0.14
0.50	0.50	0.20	0.70	0.56	0.47	0.40	0.32	0.30	0.22	0.17	0.14
	0.30		0.59	0.49	0.42	0.36	0.29	0.24	0.21	0.16	0.13
	0.20		0.52	0.43	0.37	0.33	0.27	0.22	0.20	0.15	0.13
0.30	0.50	0.20	0.67	0.53	0.44	0.38	0.30	0.24	0.21	0.16	0.13
	0.30		0.57	0.47	0.40	0.34	0.27	0.23	0.19	0.15	0.12
	0.20		0.50	0.42	0.36	0.31	0.25	0.21	0.18	0.14	0.12
0.00	0.00	0.00	0.38	0.30	0.25	0.22	0.17	0.14	0.12	0.09	0.07

Rating:10W 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	0.18	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.25
	0.30		0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.22	0.23
	0.20		0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.20	0.21
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	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
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.12	0.14	0.15	0.16	0.17	0.19	0.19	0.20	0.21
	0.20		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.20
0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Rating:10W 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	306.6	0.3	0.3	0.07	0.07
1.0-2.0	306.4	0.9	1.2	0.22	0.29
2.0-3.0	305.9	1.5	2.6	0.36	0.65
3.0-4.0	305.2	2.0	4.7	0.50	1.16
4.0-5.0	304.2	2.6	7.3	0.65	1.80
5.0-6.0	303.0	3.2	10.5	0.79	2.59
6.0-7.0	301.5	3.7	14.2	0.92	3.51
7.0-8.0	299.7	4.3	18.5	1.06	4.57
8.0-9.0	297.6	4.8	23.3	1.19	5.76
9.0-10.0	295.2	5.3	28.7	1.32	7.08
10.0-11.0	292.5	5.8	34.5	1.44	8.53
11.0-12.0	289.5	6.3	40.9	1.56	10.09
12.0-13.0	286.1	6.8	47.6	1.68	11.76
13.0-14.0	282.4	7.2	54.9	1.78	13.55
14.0-15.0	278.3	7.6	62.5	1.89	15.44
15.0-16.0	273.8	8.0	70.5	1.98	17.42
16.0-17.0	269.2	8.4	78.9	2.07	19.49
17.0-18.0	264.1	8.7	87.6	2.15	21.64
18.0-19.0	258.7	9.0	96.6	2.22	23.86
19.0-20.0	253.0	9.3	105.9	2.29	26.15
20.0-21.0	246.9	9.5	115.4	2.34	28.49
21.0-22.0	240.6	9.7	125.0	2.39	30.88
22.0-23.0	233.9	9.8	134.9	2.42	33.30
23.0-24.0	226.8	9.9	144.8	2.45	35.75
24.0-25.0	219.5	10.0	154.8	2.46	38.21
25.0-26.0	211.9	10.0	164.8	2.47	40.68
26.0-27.0	204.1	10.0	174.8	2.47	43.15
27.0-28.0	196.2	9.9	184.7	2.45	45.60
28.0-29.0	188.0	9.8	194.5	2.43	48.03
29.0-30.0	179.7	9.7	204.2	2.40	50.43
30.0-31.0	171.2	9.5	213.8	2.35	52.78
31.0-32.0	162.6	9.3	223.1	2.30	55.08
32.0-33.0	153.9	9.1	232.1	2.24	57.32
33.0-34.0	145.3	8.8	240.9	2.17	59.49
34.0-35.0	136.7	8.5	249.4	2.10	61.59
35.0-36.0	128.3	8.2	257.6	2.02	63.61

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	119.9	7.8	265.4	1.93	65.54
37.0-38.0	111.8	7.5	272.9	1.84	67.38
38.0-39.0	104.2	7.1	280.0	1.76	69.14
39.0-40.0	97.2	6.8	286.8	1.67	70.81
40.0-41.0	90.4	6.4	293.2	1.59	72.40
41.0-42.0	84.1	6.1	299.3	1.51	73.91
42.0-43.0	78.4	5.8	305.1	1.43	75.34
43.0-44.0	73.1	5.5	310.6	1.36	76.70
44.0-45.0	68.3	5.2	315.9	1.30	78.00
45.0-46.0	63.8	5.0	320.9	1.23	79.23
46.0-47.0	59.5	4.7	325.6	1.17	80.40
47.0-48.0	55.5	4.5	330.1	1.11	81.51
48.0-49.0	51.7	4.2	334.3	1.05	82.56
49.0-50.0	48.1	4.0	338.4	0.99	83.55
50.0-51.0	44.7	3.8	342.1	0.93	84.48
51.0-52.0	41.4	3.6	345.7	0.88	85.36
52.0-53.0	38.3	3.3	349.0	0.82	86.18
53.0-54.0	35.4	3.1	352.1	0.77	86.95
54.0-55.0	32.7	2.9	355.1	0.72	87.67
55.0-56.0	30.1	2.7	357.8	0.67	88.34
56.0-57.0	27.7	2.5	360.3	0.63	88.97
57.0-58.0	25.5	2.4	362.7	0.58	89.55
58.0-59.0	23.5	2.2	364.9	0.54	90.10
59.0-60.0	21.7	2.0	366.9	0.51	90.60
60.0-61.0	20.0	1.9	368.8	0.47	91.07
61.0-62.0	18.4	1.8	370.6	0.44	91.51
62.0-63.0	17.0	1.7	372.3	0.41	91.92
63.0-64.0	15.7	1.5	373.8	0.38	92.30
64.0-65.0	14.6	1.4	375.2	0.36	92.65
65.0-66.0	13.5	1.3	376.6	0.33	92.99
66.0-67.0	12.5	1.3	377.9	0.31	93.30
67.0-68.0	11.6	1.2	379.0	0.29	93.59
68.0-69.0	10.7	1.1	380.1	0.27	93.86
69.0-70.0	9.8	1.0	381.1	0.25	94.11
70.0-71.0	9.0	0.9	382.1	0.23	94.34
71.0-72.0	8.3	0.9	382.9	0.21	94.55

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	7.6	0.8	383.7	0.20	94.74
73.0-74.0	6.9	0.7	384.4	0.18	94.92
74.0-75.0	6.3	0.7	385.1	0.17	95.09
75.0-76.0	5.8	0.6	385.7	0.15	95.24
76.0-77.0	5.3	0.6	386.3	0.14	95.38
77.0-78.0	4.8	0.5	386.8	0.13	95.51
78.0-79.0	4.4	0.5	387.3	0.12	95.62
79.0-80.0	4.0	0.4	387.7	0.11	95.73
80.0-81.0	3.6	0.4	388.1	0.10	95.82
81.0-82.0	3.2	0.4	388.4	0.09	95.91
82.0-83.0	3.0	0.3	388.8	0.08	95.99
83.0-84.0	2.7	0.3	389.0	0.07	96.06
84.0-85.0	2.5	0.3	389.3	0.07	96.13
85.0-86.0	2.3	0.3	389.6	0.06	96.19
86.0-87.0	2.2	0.2	389.8	0.06	96.25
87.0-88.0	2.1	0.2	390.0	0.06	96.31
88.0-89.0	2.1	0.2	390.3	0.06	96.37
89.0-90.0	2.0	0.2	390.5	0.06	96.42
90.0-91.0	2.0	0.2	390.7	0.05	96.47
91.0-92.0	2.0	0.2	390.9	0.05	96.53
92.0-93.0	2.0	0.2	391.1	0.05	96.58
93.0-94.0	2.0	0.2	391.4	0.05	96.63
94.0-95.0	2.0	0.2	391.6	0.05	96.69
95.0-96.0	2.0	0.2	391.8	0.05	96.74
96.0-97.0	1.9	0.2	392.0	0.05	96.79
97.0-98.0	1.9	0.2	392.2	0.05	96.84
98.0-99.0	1.9	0.2	392.4	0.05	96.90
99.0-100.0	1.9	0.2	392.6	0.05	96.95
100.0-101.0	1.9	0.2	392.8	0.05	97.00
101.0-102.0	1.9	0.2	393.0	0.05	97.05
102.0-103.0	1.9	0.2	393.2	0.05	97.10
103.0-104.0	1.9	0.2	393.4	0.05	97.14
104.0-105.0	1.8	0.2	393.6	0.05	97.19
105.0-106.0	1.8	0.2	393.8	0.05	97.24
106.0-107.0	1.9	0.2	394.0	0.05	97.29
107.0-108.0	1.9	0.2	394.2	0.05	97.34

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	1.9	0.2	394.4	0.05	97.38
109.0-110.0	1.9	0.2	394.6	0.05	97.43
110.0-111.0	1.9	0.2	394.8	0.05	97.48
111.0-112.0	1.9	0.2	395.0	0.05	97.53
112.0-113.0	1.9	0.2	395.2	0.05	97.58
113.0-114.0	1.9	0.2	395.4	0.05	97.62
114.0-115.0	1.9	0.2	395.6	0.05	97.67
115.0-116.0	2.0	0.2	395.8	0.05	97.72
116.0-117.0	2.0	0.2	396.0	0.05	97.77
117.0-118.0	2.0	0.2	396.2	0.05	97.82
118.0-119.0	2.0	0.2	396.3	0.05	97.86
119.0-120.0	2.1	0.2	396.5	0.05	97.91
120.0-121.0	2.1	0.2	396.7	0.05	97.96
121.0-122.0	2.1	0.2	396.9	0.05	98.01
122.0-123.0	2.1	0.2	397.1	0.05	98.06
123.0-124.0	2.1	0.2	397.3	0.05	98.11
124.0-125.0	2.2	0.2	397.5	0.05	98.15
125.0-126.0	2.2	0.2	397.7	0.05	98.20
126.0-127.0	2.2	0.2	397.9	0.05	98.25
127.0-128.0	2.3	0.2	398.1	0.05	98.30
128.0-129.0	2.3	0.2	398.3	0.05	98.35
129.0-130.0	2.3	0.2	398.5	0.05	98.40
130.0-131.0	2.3	0.2	398.7	0.05	98.45
131.0-132.0	2.4	0.2	398.9	0.05	98.49
132.0-133.0	2.4	0.2	399.1	0.05	98.54
133.0-134.0	2.4	0.2	399.3	0.05	98.59
134.0-135.0	2.5	0.2	399.5	0.05	98.64
135.0-136.0	2.5	0.2	399.7	0.05	98.69
136.0-137.0	2.6	0.2	399.9	0.05	98.73
137.0-138.0	2.6	0.2	400.1	0.05	98.78
138.0-139.0	2.6	0.2	400.2	0.05	98.83
139.0-140.0	2.6	0.2	400.4	0.05	98.87
140.0-141.0	2.7	0.2	400.6	0.05	98.92
141.0-142.0	2.7	0.2	400.8	0.05	98.97
142.0-143.0	2.8	0.2	401.0	0.05	99.01
143.0-144.0	2.8	0.2	401.2	0.05	99.06

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	2.8	0.2	401.4	0.04	99.10
145.0-146.0	2.9	0.2	401.5	0.04	99.15
146.0-147.0	2.9	0.2	401.7	0.04	99.19
147.0-148.0	2.9	0.2	401.9	0.04	99.23
148.0-149.0	2.9	0.2	402.0	0.04	99.27
149.0-150.0	3.0	0.2	402.2	0.04	99.31
150.0-151.0	3.0	0.2	402.4	0.04	99.35
151.0-152.0	3.0	0.2	402.5	0.04	99.39
152.0-153.0	3.1	0.2	402.7	0.04	99.43
153.0-154.0	3.1	0.2	402.8	0.04	99.47
154.0-155.0	3.1	0.1	403.0	0.04	99.51
155.0-156.0	3.2	0.1	403.1	0.04	99.54
156.0-157.0	3.2	0.1	403.3	0.03	99.58
157.0-158.0	3.2	0.1	403.4	0.03	99.61
158.0-159.0	3.3	0.1	403.5	0.03	99.64
159.0-160.0	3.3	0.1	403.7	0.03	99.67
160.0-161.0	3.3	0.1	403.8	0.03	99.70
161.0-162.0	3.4	0.1	403.9	0.03	99.73
162.0-163.0	3.4	0.1	404.0	0.03	99.76
163.0-164.0	3.4	0.1	404.1	0.03	99.79
164.0-165.0	3.4	0.1	404.2	0.02	99.81
165.0-166.0	3.5	0.1	404.3	0.02	99.84
166.0-167.0	3.5	0.1	404.4	0.02	99.86
167.0-168.0	3.5	0.1	404.5	0.02	99.88
168.0-169.0	3.5	0.1	404.6	0.02	99.90
169.0-170.0	3.6	0.1	404.6	0.02	99.91
170.0-171.0	3.6	0.1	404.7	0.02	99.93
171.0-172.0	3.6	0.1	404.8	0.01	99.94
172.0-173.0	3.6	0.1	404.8	0.01	99.96
173.0-174.0	3.6	0.0	404.9	0.01	99.97
174.0-175.0	3.7	0.0	404.9	0.01	99.98
175.0-176.0	3.7	0.0	404.9	0.01	99.99
176.0-177.0	3.7	0.0	405.0	0.01	99.99
177.0-178.0	3.7	0.0	405.0	0.00	100.00
178.0-179.0	3.7	0.0	405.0	0.00	100.00
179.0-180.0	3.7	0.0	405.0	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: