GENLED Brands
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Report No.: **Test Time: 2021/8/4 16:19**

Luminaire Property

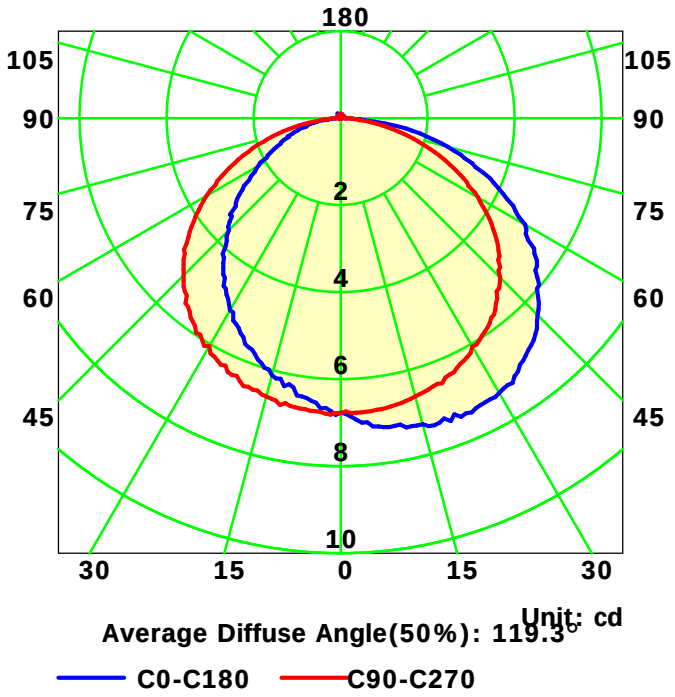
Luminaire Manufacturer:
Luminaire Category: RIBBONLYTE
Luminaire Description: 120LED 244.4RGBW
Lamp Catalog: 5050RGBW 4IN1
Lamp Description: BLUE
Number of Lamps: 120
Luminous Length (mm): 500
Luminous Width (mm): 12
Luminous Height (mm): 3
Voltage: 24.0 V
Current: 0.075 A
Power: 1.80 W
Power Factor: 1.000

Photometric Results

CIE Class: Direct
Total Rated Lamp Lumens: 24.5 lm
Measurement Flux: 24.5 lm
Efficiency: 100%
Downward Ratio: 99%
Upward Ratio: 1%
Horizontal Diffuse Angle(10%,50%): H163.6,H115.7
Vertical Diffuse Angle(10%,50%): V164.7,V122.8
Luminaire Efficacy Rating (LER): 14
Central Intensity: 7.41 cd
Max. Intensity: 8.11 cd
Pos of Max. Intensity: H0 V20

Picture Of Luminaire

Luminous Intensity Distribution Curve



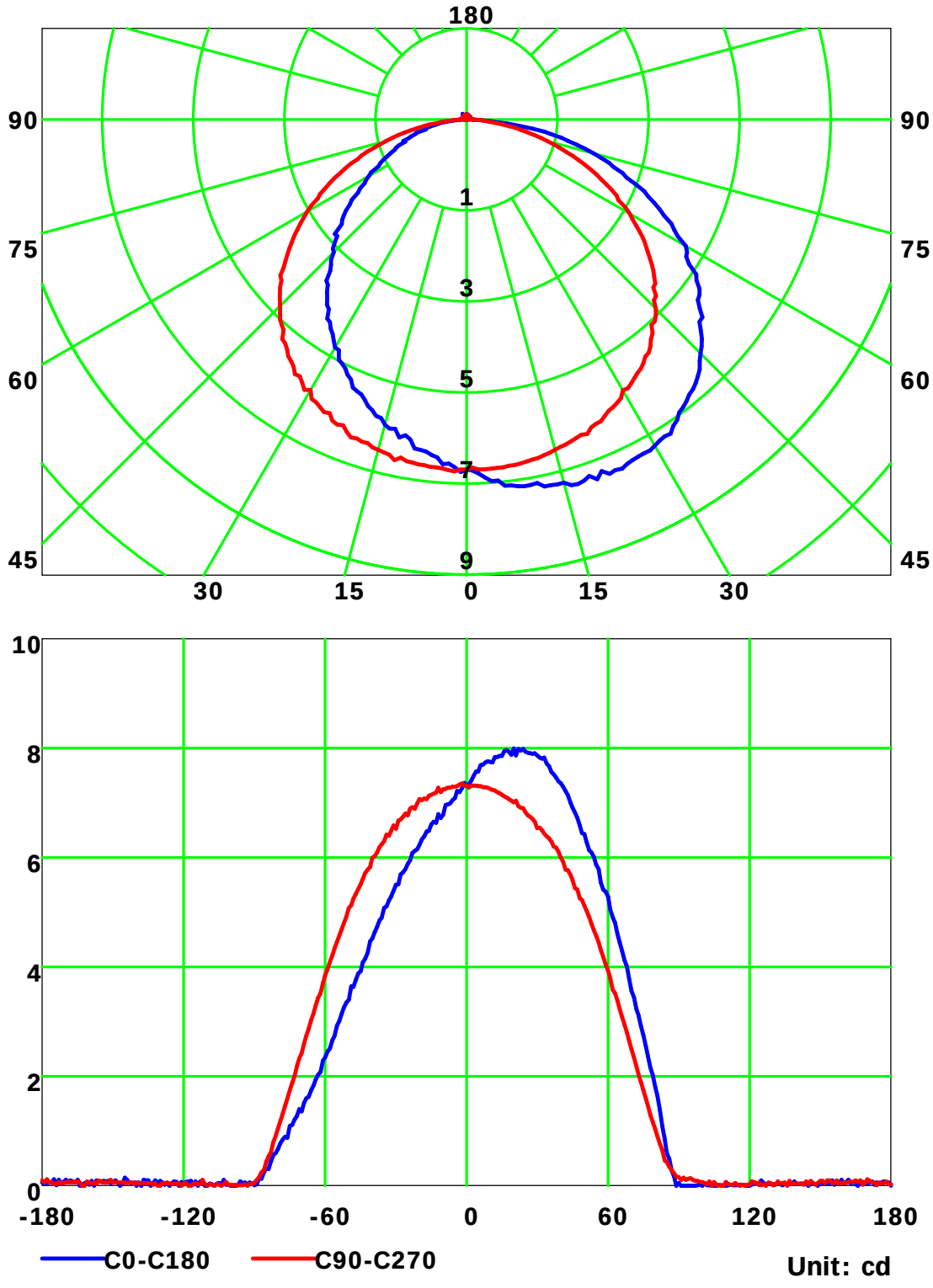
Unit: cd

Average Diffuse Angle(50%): 119.3°

C0-C180 **C90-C270**

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-180.0:1.0
Test Lab:
Test Device: GPM-1800B
Test Type: TYPE C
Distance: 9.028 m
Temperature: 25
Humidity: 60%
Operator: Nick
Inspector:

Luminous Intensity Distribution Curve



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Temperature: 25
Operator: Nick

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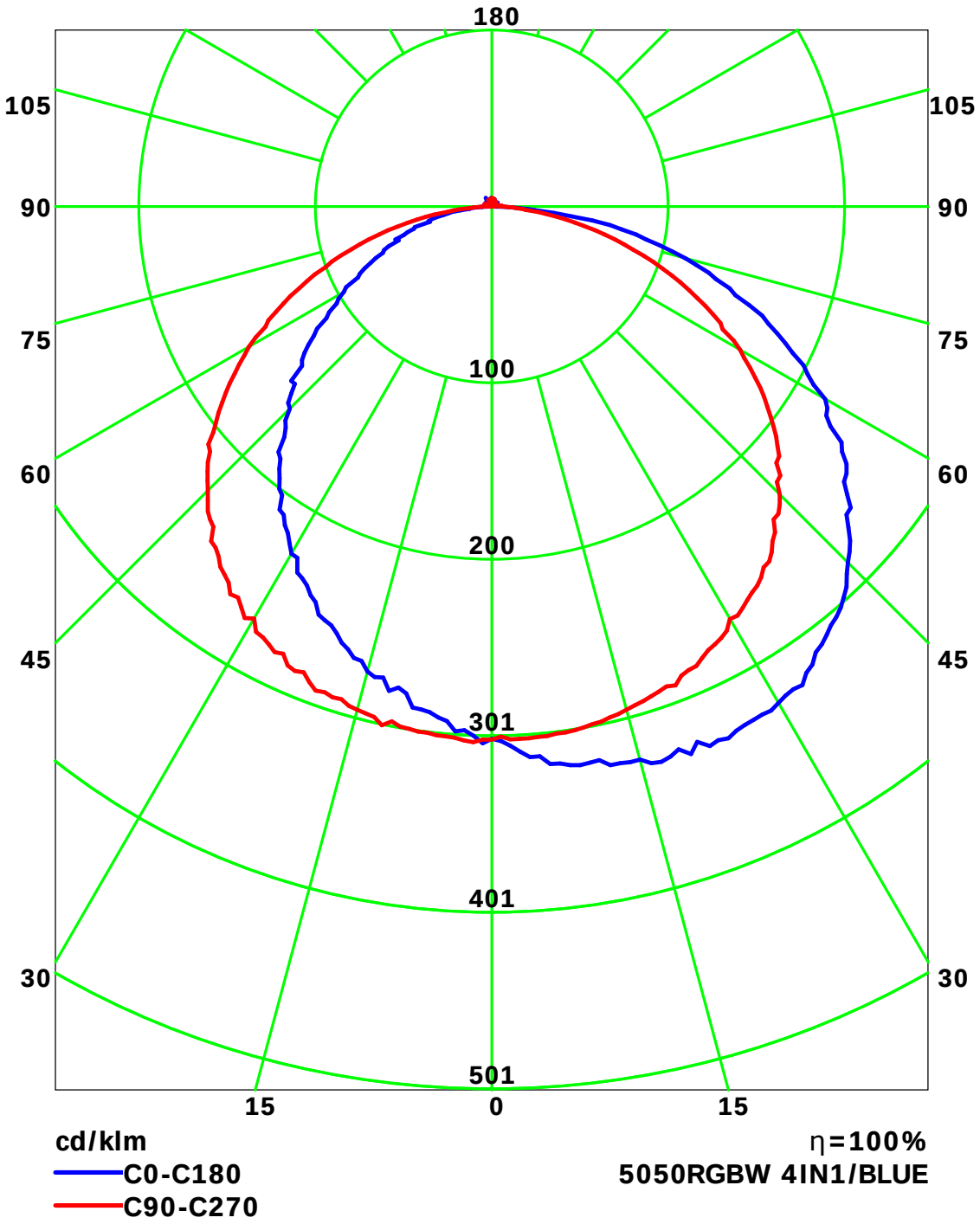
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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
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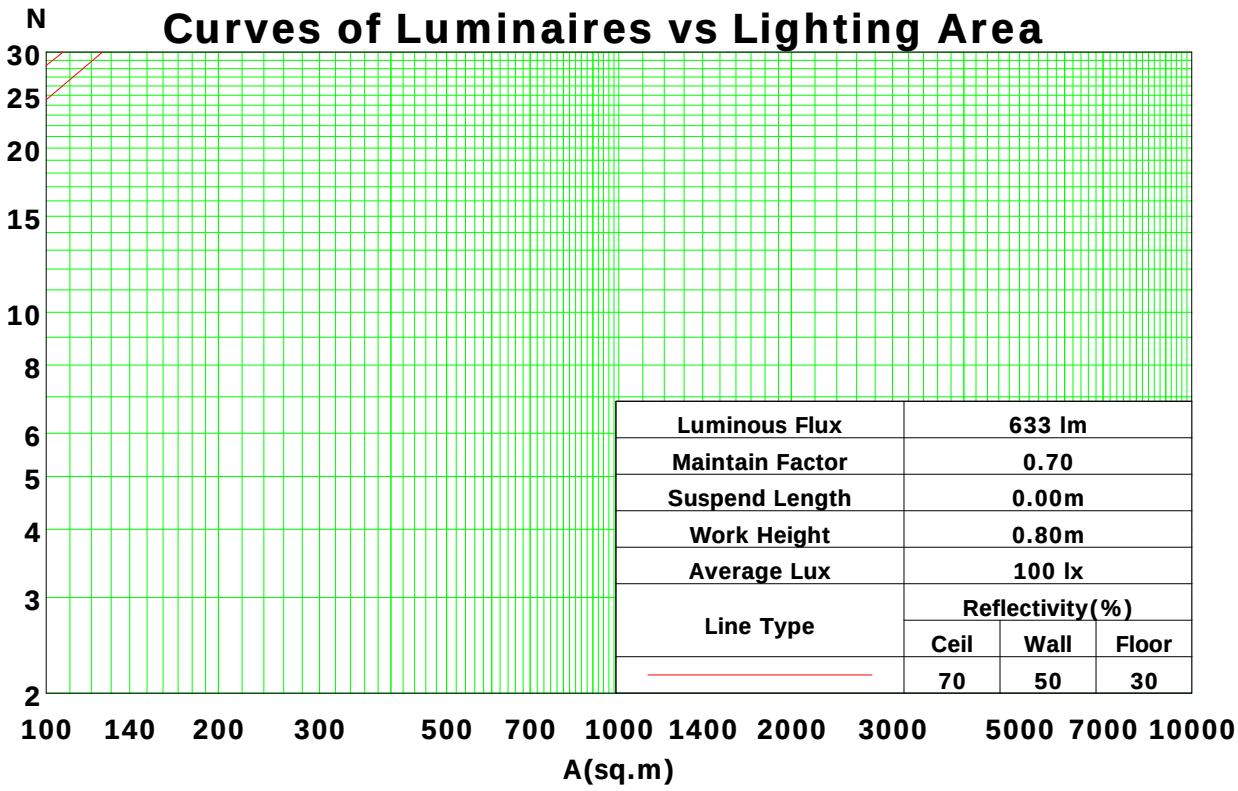
Inspector:

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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	108	103	98	94	105	100	96	93	96	93	89	92	89	86	88	86	84	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	59	52	64	57	51	62	55	50	60	54	49	47
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	47	43	40
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	49	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	41	32	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	24	50	37	30	24	36	29	24	35	29	24	34	28	24	22

Spacing Criteria (0-180): 1.35
Spacing Criteria (90-270): 1.35
Spacing Criteria (Diagonal): 1.47

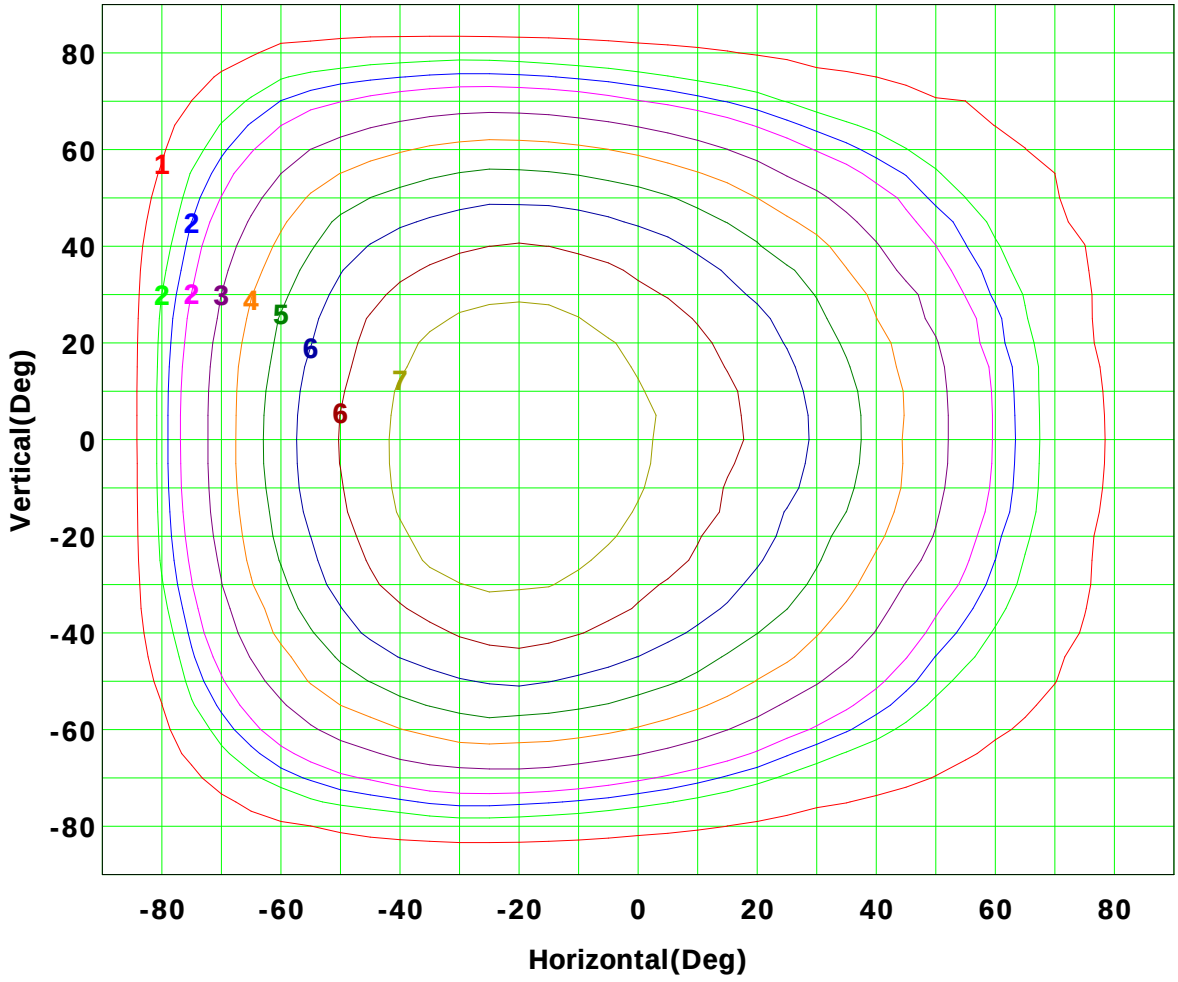
Curves of Luminaires vs Lighting Area



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)



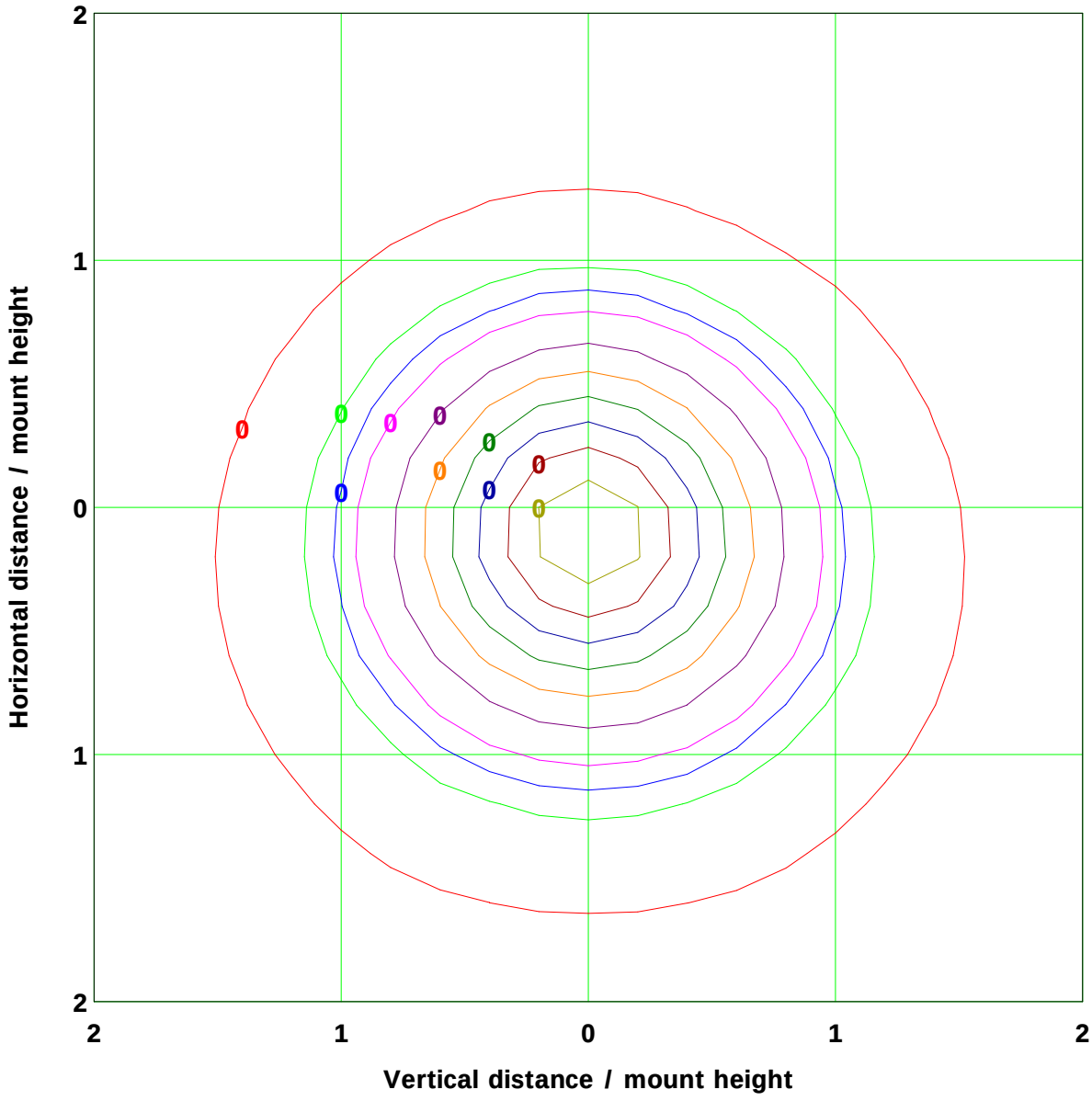
Imax (100%): 8 cd

(10%):	1 cd	(20%):	2 cd
(25%):	2 cd	(30%):	2 cd
(40%):	3 cd	(50%):	4 cd
(60%):	5 cd	(70%):	6 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

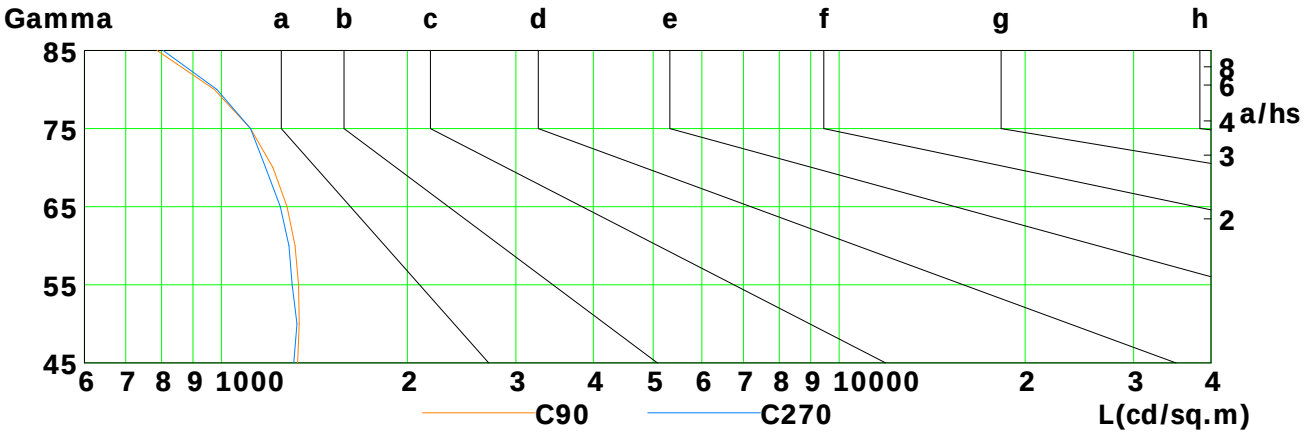
(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.1 lx	(50%): 0.2 lx
(60%): 0.2 lx	(70%): 0.2 lx
(80%): 0.2 lx	(90%): 0.3 lx

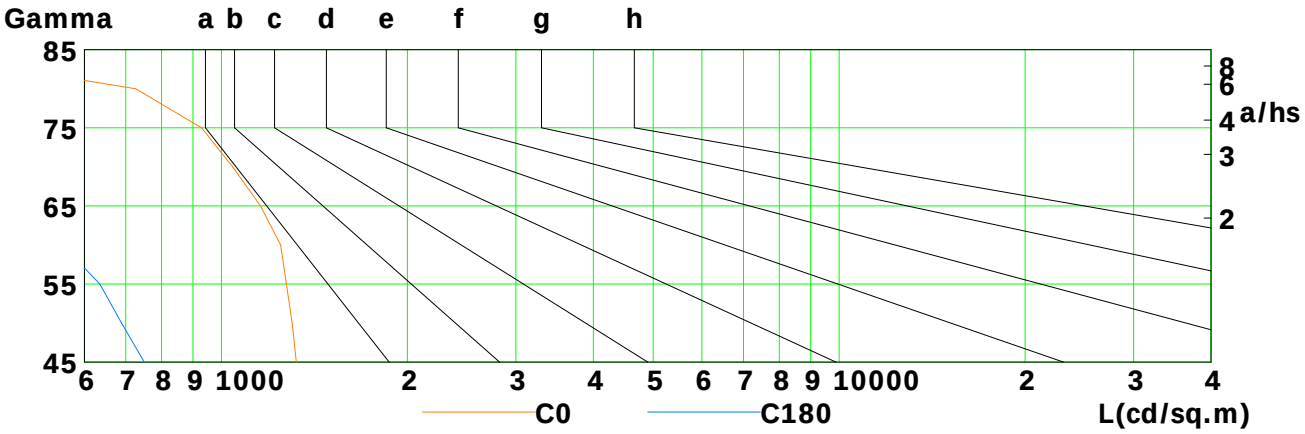
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



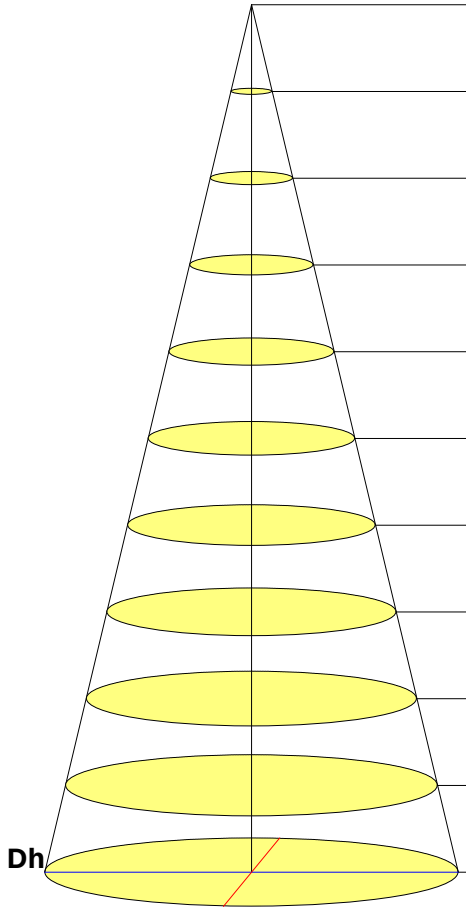


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1322	1302	1274	1247	1158	1043	929	726	297
C90	1328	1336	1334	1316	1277	1213	1115	975	787
C180	750	689	636	554	478	399	370	270	159
C270	1310	1326	1302	1287	1246	1179	1115	984	805

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



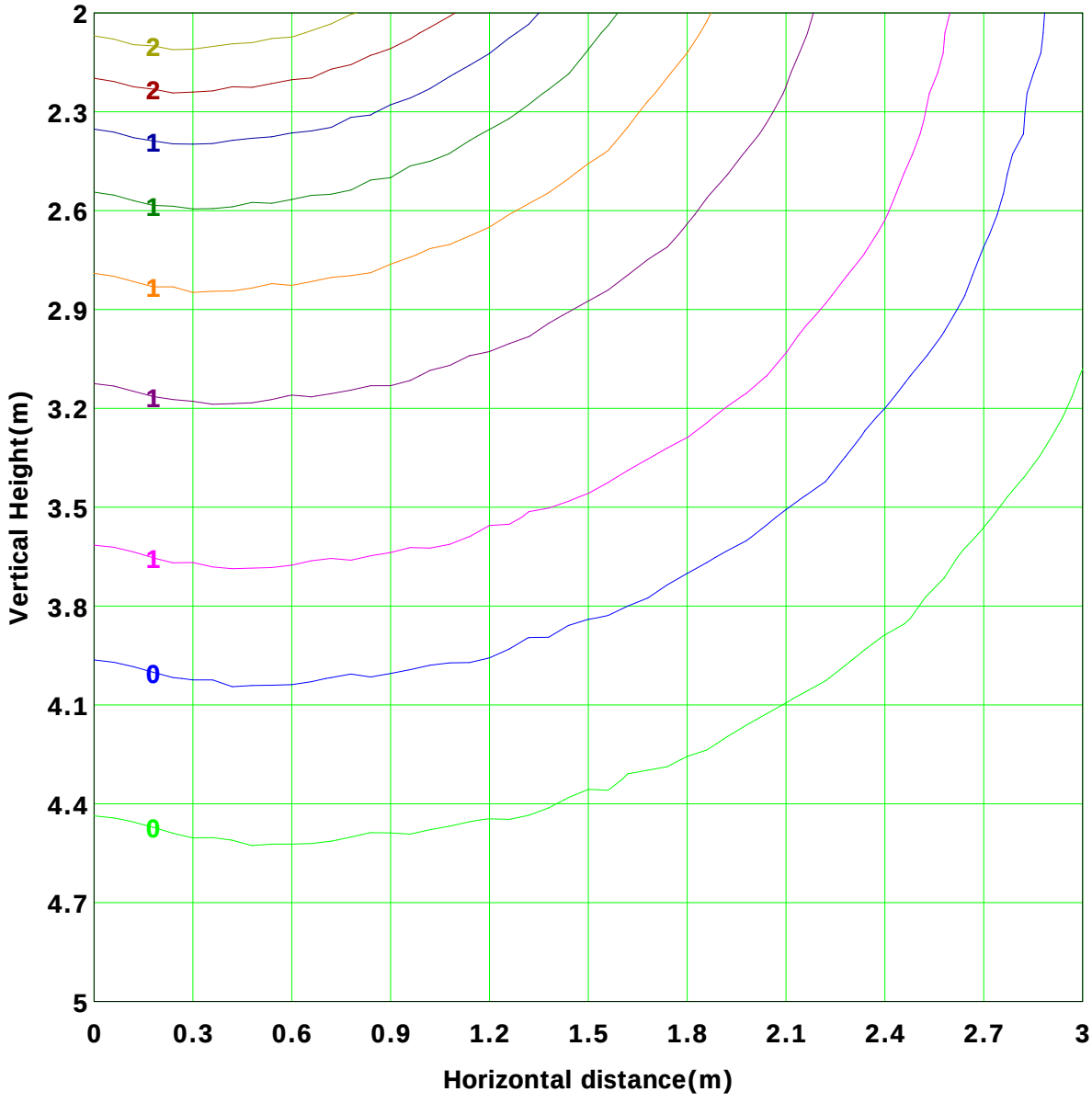
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	7.41	3.18/3.67	11.8	0.83
2.0	1.85	6.36/7.34	47.4	0.21
3.0	0.82	9.54/11.01	106.6	0.09
4.0	0.46	12.72/14.68	189.5	0.05
5.0	0.30	15.90/18.35	296.1	0.03
6.0	0.21	19.08/22.02	426.3	0.02
7.0	0.15	22.26/25.69	580.3	0.02
8.0	0.12	25.45/29.36	757.9	0.01
9.0	0.09	28.63/33.03	959.3	0.01
10.0	0.07	31.81/36.70	1184.3	0.01

Beam Angle(B): H115.7 V122.8 Field Angle(F): H163.6 V164.7

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

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

Vertical IsoLux Plot



Lowest(m): 2.0m Highest(m): 5.0m Max Lux: 1.9 lx

(10%): 0.2 lx	(20%): 0.4 lx
(25%): 0.5 lx	(30%): 0.6 lx
(40%): 0.8 lx	(50%): 1.0 lx
(60%): 1.2 lx	(70%): 1.3 lx
(80%): 1.5 lx	(90%): 1.7 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

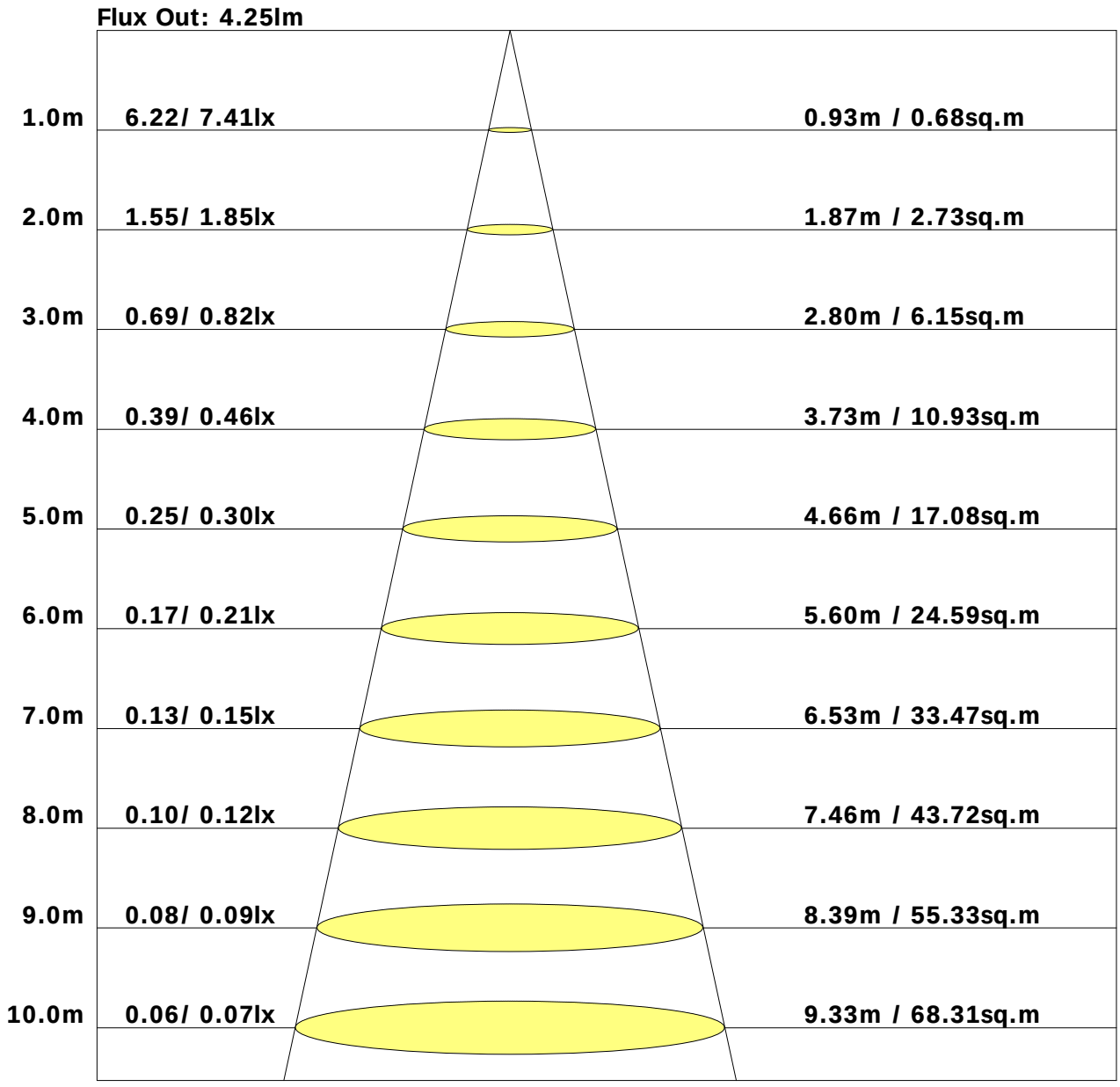
Unit: lm

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
-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
-70	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	0.3	0.2
-60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.9
-40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.4	1.3
-30	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.8	1.8
-20	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	2.2	2.2
-10	0.0	0.0	0.0	0.0	0.0	0.0	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	2.5	2.5
0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.7	2.7
10	0.0	0.0	0.0	0.0	0.0	0.0	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	2.8	2.8
20	0.0	0.0	0.0	0.0	0.0	0.0	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	2.6	2.6
30	0.0	0.0	0.0	0.0	0.0	0.0	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	2.3	2.3
40	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	1.8	1.8
50	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	0.1	0.0	0.0	0.0	0.0	0.0	1.2	1.2
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70	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	0.3	0.2
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
90	0.1	0.0	0.4	0.5	0.9	0.9	1.2	1.5	1.8	1.9	2.0	2.1	2.1	2.0	1.9	1.8	1.5	1.2	0.9	0.5	0.1
Flux(T)	0.0	0.1	0.2	0.5	0.9	1.4	1.8	2.2	2.5	2.7	2.8	2.6	2.3	1.8	1.2	0.7	0.3	0.0	24		
Flux(E)	24	2.1	1.2	0.5	0.2	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		

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	27.7	29.3	28.1	29.7	30.0	25.2	26.8	25.6	27.2	27.5
3H	29.9	31.4	30.3	31.7	32.1	26.8	28.3	27.2	28.7	29.1
4H	30.8	32.2	31.2	32.6	33.0	27.4	28.8	27.8	29.2	29.6
6H	31.5	32.8	31.9	33.2	33.6	27.7	29.0	28.1	29.4	29.8
8H	31.7	33.0	32.2	33.4	33.8	27.8	29.1	28.2	29.5	29.9
12H	31.8	33.0	32.3	33.4	33.9	27.8	29.0	28.3	29.4	29.9
X=4H Y=2H	28.3	29.7	28.7	30.0	30.4	25.9	27.3	26.3	27.7	28.1
3H	30.7	31.9	31.1	32.3	32.7	27.8	29.0	28.2	29.4	29.8
4H	31.7	32.8	32.2	33.2	33.7	28.5	29.5	28.9	30.0	30.4
6H	32.5	33.5	33.0	34.0	34.4	28.9	29.8	29.4	30.3	30.8
8H	32.8	33.7	33.3	34.2	34.7	29.0	29.9	29.5	30.4	30.9
12H	33.0	33.8	33.5	34.3	34.8	29.1	29.9	29.6	30.4	30.8
X=8H Y=4H	32.0	32.8	32.4	33.3	33.8	28.9	29.7	29.3	30.2	30.7
6H	32.9	33.7	33.4	34.2	34.7	29.4	30.1	29.9	30.6	31.1
8H	33.3	34.0	33.8	34.5	35.0	29.6	30.2	30.1	30.7	31.3
12H	33.5	34.1	34.1	34.6	35.2	29.6	30.2	30.2	30.7	31.3
X=12H Y=4H	32.0	32.8	32.5	33.3	33.8	28.9	29.7	29.4	30.2	30.7
6H	33.0	33.6	33.5	34.1	34.7	29.5	30.2	30.0	30.6	31.2
8H	33.4	34.0	33.9	34.5	35.1	29.7	30.3	30.2	30.8	31.4

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 = 1.50					
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	0.66	0.73	0.79	0.86	0.91	0.95	0.99	1.02
	0.30		0.49	0.58	0.66	0.72	0.80	0.85	0.89	0.95	0.99
	0.20		0.44	0.52	0.60	0.66	0.75	0.81	0.85	0.91	0.95
0.50	0.50	0.20	0.56	0.64	0.71	0.76	0.83	0.87	0.91	0.95	0.98
	0.30		0.49	0.57	0.64	0.70	0.77	0.83	0.86	0.92	0.95
	0.20		0.43	0.51	0.59	0.65	0.73	0.79	0.83	0.88	0.92
0.30	0.50	0.20	0.54	0.61	0.68	0.73	0.80	0.84	0.87	0.91	0.94
	0.30		0.48	0.55	0.63	0.68	0.75	0.80	0.84	0.88	0.91
	0.20		0.43	0.51	0.58	0.64	0.71	0.77	0.80	0.86	0.89
0.00	0.00	0.00	0.41	0.48	0.55	0.60	0.68	0.73	0.76	0.81	0.84

Rating:2W 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 = 1.50								
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	0.84	0.71	0.62	0.50	0.41	0.35	0.28	0.22
	0.30		0.82	0.72	0.62	0.55	0.45	0.38	0.33	0.26	0.21
	0.20		0.70	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20
0.50	0.50	0.20	0.94	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21
	0.30		0.80	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.69	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20
0.30	0.50	0.20	0.91	0.77	0.65	0.57	0.45	0.38	0.32	0.25	0.20
	0.30		0.78	0.68	0.58	0.51	0.42	0.35	0.30	0.24	0.20
	0.20		0.68	0.61	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.00	0.00	0.00	0.58	0.51	0.43	0.38	0.31	0.26	0.23	0.18	0.15

Rating:2W 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 = 1.50								
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	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.20	0.20
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.17	0.18	0.19	0.20	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	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17
0.30	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	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	0.13	0.14	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:2W 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	7.4	0.0	0.0	0.03	0.03
1.0-2.0	7.4	0.0	0.0	0.09	0.12
2.0-3.0	7.4	0.0	0.1	0.15	0.26
3.0-4.0	7.4	0.0	0.1	0.20	0.46
4.0-5.0	7.4	0.1	0.2	0.26	0.72
5.0-6.0	7.4	0.1	0.3	0.32	1.04
6.0-7.0	7.4	0.1	0.3	0.38	1.42
7.0-8.0	7.4	0.1	0.5	0.43	1.85
8.0-9.0	7.4	0.1	0.6	0.49	2.34
9.0-10.0	7.4	0.1	0.7	0.55	2.89
10.0-11.0	7.4	0.1	0.9	0.60	3.49
11.0-12.0	7.3	0.2	1.0	0.66	4.14
12.0-13.0	7.3	0.2	1.2	0.71	4.86
13.0-14.0	7.3	0.2	1.4	0.76	5.62
14.0-15.0	7.3	0.2	1.6	0.82	6.44
15.0-16.0	7.3	0.2	1.8	0.87	7.31
16.0-17.0	7.2	0.2	2.0	0.92	8.23
17.0-18.0	7.2	0.2	2.3	0.97	9.20
18.0-19.0	7.2	0.3	2.5	1.02	10.23
19.0-20.0	7.2	0.3	2.8	1.07	11.30
20.0-21.0	7.1	0.3	3.0	1.12	12.42
21.0-22.0	7.1	0.3	3.3	1.17	13.59
22.0-23.0	7.1	0.3	3.6	1.21	14.80
23.0-24.0	7.0	0.3	3.9	1.26	16.06
24.0-25.0	7.0	0.3	4.2	1.30	17.36
25.0-26.0	6.9	0.3	4.6	1.34	18.70
26.0-27.0	6.9	0.3	4.9	1.38	20.08
27.0-28.0	6.9	0.3	5.3	1.42	21.50
28.0-29.0	6.8	0.4	5.6	1.46	22.96
29.0-30.0	6.8	0.4	6.0	1.49	24.45
30.0-31.0	6.7	0.4	6.4	1.53	25.98
31.0-32.0	6.7	0.4	6.7	1.56	27.54
32.0-33.0	6.6	0.4	7.1	1.59	29.13
33.0-34.0	6.5	0.4	7.5	1.62	30.75
34.0-35.0	6.5	0.4	7.9	1.64	32.39
35.0-36.0	6.4	0.4	8.3	1.67	34.06

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 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	6.3	0.4	8.7	1.69	35.75
37.0-38.0	6.3	0.4	9.2	1.71	37.46
38.0-39.0	6.2	0.4	9.6	1.73	39.19
39.0-40.0	6.1	0.4	10.0	1.75	40.93
40.0-41.0	6.0	0.4	10.4	1.76	42.69
41.0-42.0	6.0	0.4	10.9	1.77	44.46
42.0-43.0	5.9	0.4	11.3	1.77	46.23
43.0-44.0	5.8	0.4	11.8	1.78	48.01
44.0-45.0	5.7	0.4	12.2	1.78	49.80
45.0-46.0	5.6	0.4	12.6	1.78	51.58
46.0-47.0	5.5	0.4	13.1	1.78	53.36
47.0-48.0	5.4	0.4	13.5	1.77	55.13
48.0-49.0	5.3	0.4	13.9	1.77	56.90
49.0-50.0	5.2	0.4	14.4	1.76	58.66
50.0-51.0	5.1	0.4	14.8	1.75	60.41
51.0-52.0	4.9	0.4	15.2	1.73	62.15
52.0-53.0	4.8	0.4	15.6	1.72	63.87
53.0-54.0	4.7	0.4	16.0	1.70	65.56
54.0-55.0	4.6	0.4	16.5	1.68	67.24
55.0-56.0	4.5	0.4	16.9	1.66	68.90
56.0-57.0	4.4	0.4	17.3	1.63	70.53
57.0-58.0	4.2	0.4	17.7	1.60	72.13
58.0-59.0	4.1	0.4	18.0	1.57	73.69
59.0-60.0	4.0	0.4	18.4	1.54	75.23
60.0-61.0	3.9	0.4	18.8	1.51	76.74
61.0-62.0	3.7	0.4	19.1	1.47	78.21
62.0-63.0	3.6	0.3	19.5	1.43	79.64
63.0-64.0	3.5	0.3	19.8	1.39	81.03
64.0-65.0	3.3	0.3	20.2	1.34	82.37
65.0-66.0	3.2	0.3	20.5	1.30	83.66
66.0-67.0	3.0	0.3	20.8	1.25	84.91
67.0-68.0	2.9	0.3	21.1	1.20	86.12
68.0-69.0	2.8	0.3	21.4	1.16	87.27
69.0-70.0	2.6	0.3	21.6	1.10	88.37
70.0-71.0	2.5	0.3	21.9	1.05	89.42
71.0-72.0	2.4	0.2	22.1	1.00	90.42

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	2.2	0.2	22.4	0.94	91.37
73.0-74.0	2.1	0.2	22.6	0.89	92.26
74.0-75.0	1.9	0.2	22.8	0.84	93.09
75.0-76.0	1.8	0.2	23.0	0.78	93.87
76.0-77.0	1.7	0.2	23.2	0.72	94.59
77.0-78.0	1.5	0.2	23.3	0.67	95.26
78.0-79.0	1.4	0.1	23.5	0.61	95.87
79.0-80.0	1.3	0.1	23.6	0.55	96.42
80.0-81.0	1.1	0.1	23.7	0.50	96.93
81.0-82.0	1.0	0.1	23.8	0.44	97.37
82.0-83.0	0.8	0.1	23.9	0.38	97.75
83.0-84.0	0.7	0.1	24.0	0.31	98.05
84.0-85.0	0.6	0.1	24.1	0.25	98.30
85.0-86.0	0.4	0.0	24.1	0.20	98.49
86.0-87.0	0.3	0.0	24.1	0.15	98.64
87.0-88.0	0.2	0.0	24.2	0.11	98.75
88.0-89.0	0.2	0.0	24.2	0.08	98.83
89.0-90.0	0.1	0.0	24.2	0.05	98.88
90.0-91.0	0.1	0.0	24.2	0.03	98.91
91.0-92.0	0.1	0.0	24.2	0.03	98.94
92.0-93.0	0.1	0.0	24.2	0.02	98.96
93.0-94.0	0.1	0.0	24.2	0.02	98.98
94.0-95.0	0.1	0.0	24.2	0.02	99.01
95.0-96.0	0.0	0.0	24.2	0.02	99.03
96.0-97.0	0.0	0.0	24.2	0.01	99.04
97.0-98.0	0.0	0.0	24.2	0.01	99.06
98.0-99.0	0.0	0.0	24.3	0.02	99.07
99.0-100.0	0.0	0.0	24.3	0.01	99.09
100.0-101.0	0.0	0.0	24.3	0.01	99.10
101.0-102.0	0.0	0.0	24.3	0.01	99.11
102.0-103.0	0.0	0.0	24.3	0.02	99.13
103.0-104.0	0.0	0.0	24.3	0.01	99.14
104.0-105.0	0.0	0.0	24.3	0.01	99.15
105.0-106.0	0.0	0.0	24.3	0.01	99.16
106.0-107.0	0.0	0.0	24.3	0.01	99.17
107.0-108.0	0.0	0.0	24.3	0.01	99.19

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	0.0	0.0	24.3	0.01	99.20
109.0-110.0	0.0	0.0	24.3	0.01	99.21
110.0-111.0	0.0	0.0	24.3	0.01	99.22
111.0-112.0	0.0	0.0	24.3	0.01	99.23
112.0-113.0	0.0	0.0	24.3	0.01	99.25
113.0-114.0	0.0	0.0	24.3	0.01	99.26
114.0-115.0	0.0	0.0	24.3	0.01	99.27
115.0-116.0	0.0	0.0	24.3	0.01	99.28
116.0-117.0	0.0	0.0	24.3	0.01	99.30
117.0-118.0	0.0	0.0	24.3	0.01	99.31
118.0-119.0	0.0	0.0	24.3	0.02	99.32
119.0-120.0	0.0	0.0	24.3	0.02	99.34
120.0-121.0	0.0	0.0	24.3	0.01	99.35
121.0-122.0	0.0	0.0	24.3	0.02	99.37
122.0-123.0	0.0	0.0	24.3	0.02	99.39
123.0-124.0	0.0	0.0	24.3	0.02	99.40
124.0-125.0	0.0	0.0	24.3	0.02	99.42
125.0-126.0	0.0	0.0	24.3	0.02	99.44
126.0-127.0	0.0	0.0	24.3	0.01	99.45
127.0-128.0	0.0	0.0	24.3	0.01	99.46
128.0-129.0	0.0	0.0	24.3	0.02	99.48
129.0-130.0	0.0	0.0	24.4	0.01	99.49
130.0-131.0	0.0	0.0	24.4	0.01	99.51
131.0-132.0	0.0	0.0	24.4	0.01	99.52
132.0-133.0	0.0	0.0	24.4	0.01	99.53
133.0-134.0	0.0	0.0	24.4	0.01	99.55
134.0-135.0	0.0	0.0	24.4	0.01	99.56
135.0-136.0	0.1	0.0	24.4	0.02	99.58
136.0-137.0	0.1	0.0	24.4	0.02	99.60
137.0-138.0	0.0	0.0	24.4	0.01	99.61
138.0-139.0	0.1	0.0	24.4	0.01	99.63
139.0-140.0	0.1	0.0	24.4	0.02	99.64
140.0-141.0	0.0	0.0	24.4	0.01	99.66
141.0-142.0	0.1	0.0	24.4	0.01	99.67
142.0-143.0	0.1	0.0	24.4	0.02	99.69
143.0-144.0	0.1	0.0	24.4	0.02	99.70

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	24.4	0.01	99.72
145.0-146.0	0.0	0.0	24.4	0.01	99.73
146.0-147.0	0.1	0.0	24.4	0.01	99.74
147.0-148.0	0.1	0.0	24.4	0.01	99.76
148.0-149.0	0.1	0.0	24.4	0.01	99.77
149.0-150.0	0.1	0.0	24.4	0.01	99.78
150.0-151.0	0.1	0.0	24.4	0.01	99.80
151.0-152.0	0.1	0.0	24.4	0.01	99.81
152.0-153.0	0.1	0.0	24.4	0.01	99.82
153.0-154.0	0.1	0.0	24.4	0.01	99.83
154.0-155.0	0.1	0.0	24.4	0.01	99.85
155.0-156.0	0.1	0.0	24.4	0.01	99.86
156.0-157.0	0.1	0.0	24.4	0.01	99.87
157.0-158.0	0.1	0.0	24.4	0.01	99.88
158.0-159.0	0.1	0.0	24.5	0.01	99.89
159.0-160.0	0.1	0.0	24.5	0.01	99.90
160.0-161.0	0.1	0.0	24.5	0.01	99.91
161.0-162.0	0.1	0.0	24.5	0.01	99.92
162.0-163.0	0.1	0.0	24.5	0.01	99.93
163.0-164.0	0.1	0.0	24.5	0.01	99.94
164.0-165.0	0.1	0.0	24.5	0.01	99.94
165.0-166.0	0.1	0.0	24.5	0.01	99.95
166.0-167.0	0.1	0.0	24.5	0.01	99.96
167.0-168.0	0.1	0.0	24.5	0.01	99.96
168.0-169.0	0.1	0.0	24.5	0.01	99.97
169.0-170.0	0.1	0.0	24.5	0.01	99.97
170.0-171.0	0.1	0.0	24.5	0.01	99.98
171.0-172.0	0.1	0.0	24.5	0.00	99.98
172.0-173.0	0.1	0.0	24.5	0.00	99.99
173.0-174.0	0.1	0.0	24.5	0.00	99.99
174.0-175.0	0.1	0.0	24.5	0.00	99.99
175.0-176.0	0.1	0.0	24.5	0.00	100.00
176.0-177.0	0.1	0.0	24.5	0.00	100.00
177.0-178.0	0.1	0.0	24.5	0.00	100.00
178.0-179.0	0.1	0.0	24.5	0.00	100.00
179.0-180.0	0.1	0.0	24.5	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: