

Report No.:

Test Time: 2021/8/4 16:05

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RIBBONLYTE

Lamp Catalog: 5050RGBW 4IN1

Number of Lamps: 120

Luminous Width (mm): 12

Voltage: 24.0 V

Power: 1.71 W

Luminaire Description: 120LED 244.4RGBW

Lamp Description: GREEN

Luminous Length (mm): 500

Luminous Height (mm): 3

Current: 0.071 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 129.6 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H163,H121.5

Vertical Diffuse Angle(10%,50%): V162.1,V120.9

Luminaire Efficacy Rating (LER): 76

Max. Intensity: 40.91 cd

Total Rated Lamp Lumens: 129.6 lm

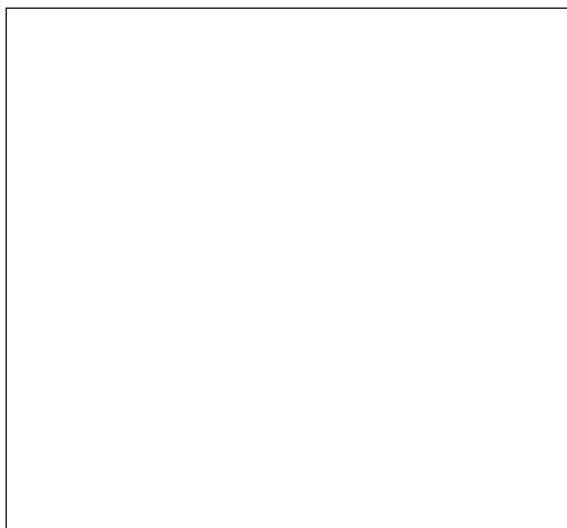
Efficiency: 100%

Upward Ratio: 1%

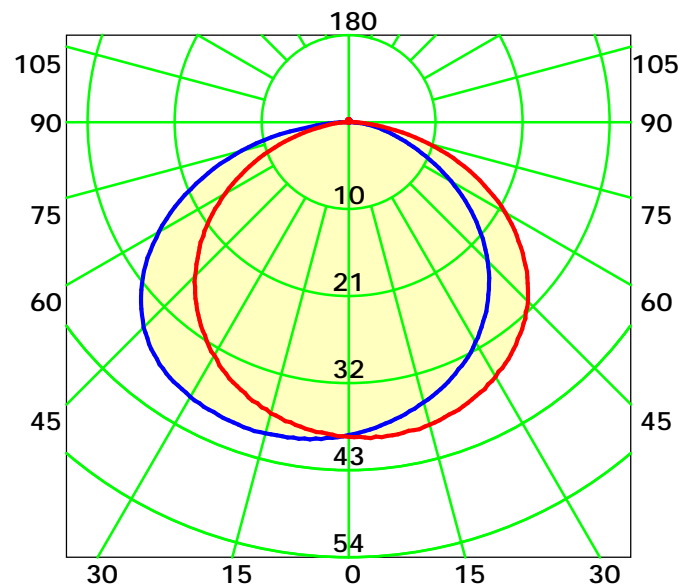
Central Intensity: 39.4 cd

Pos of Max. Intensity: H150 V18

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 121.2° Unit: cd

— C0-C180 — C90-C270

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

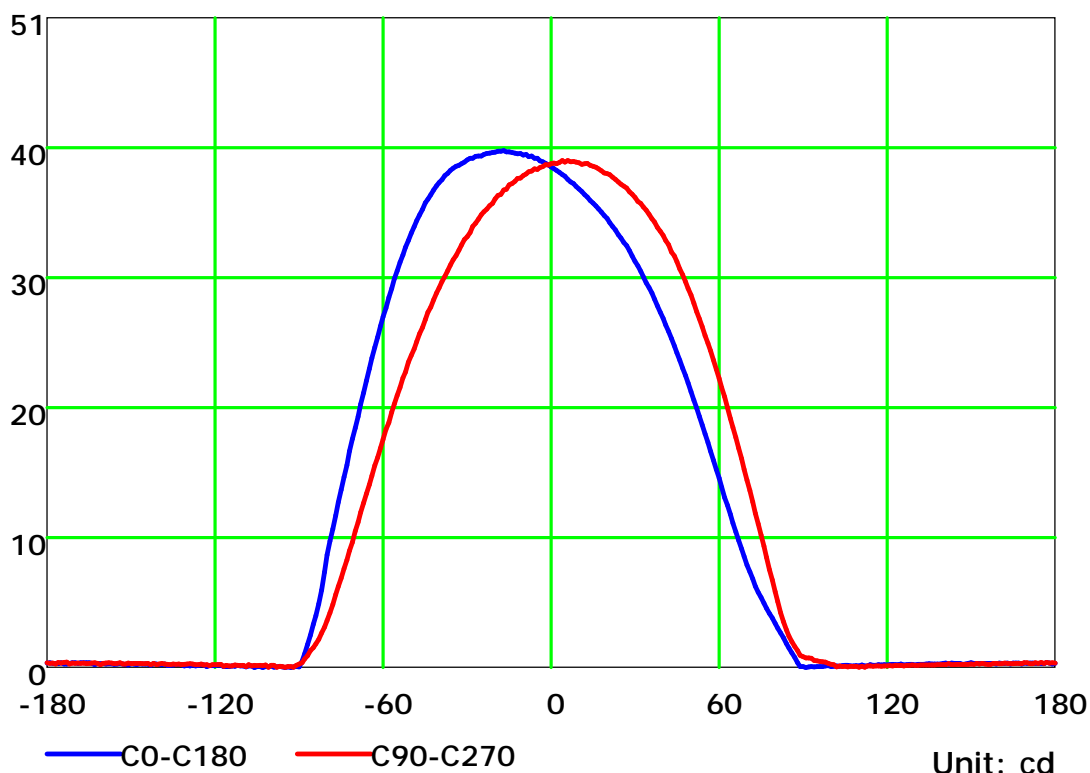
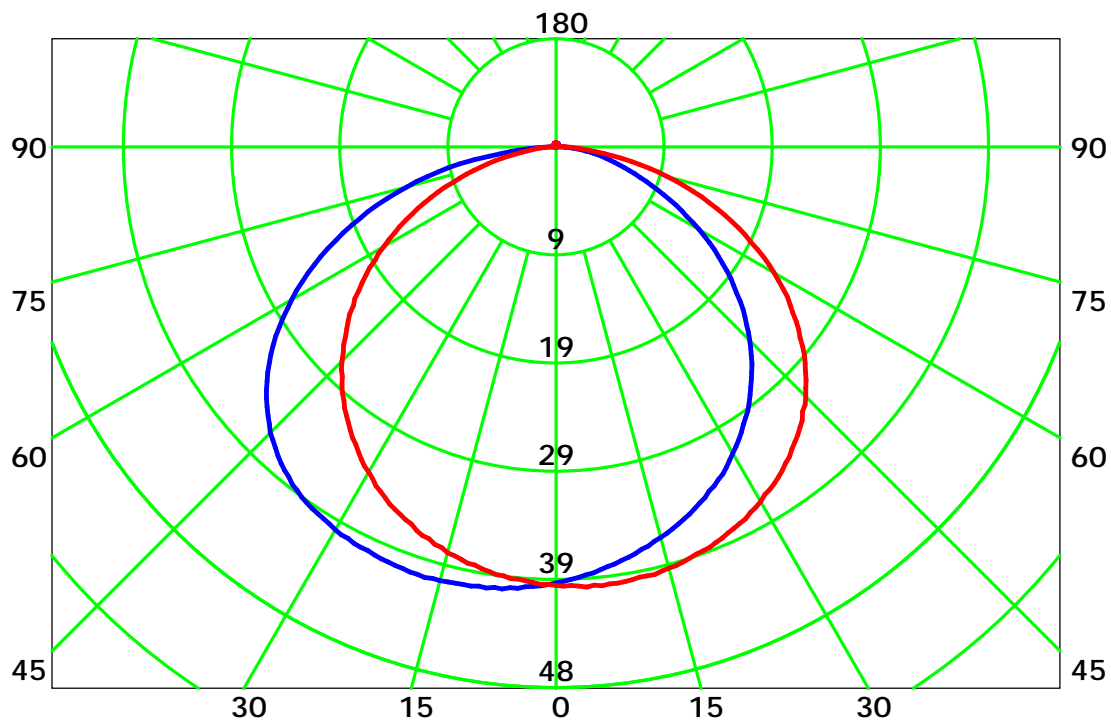
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

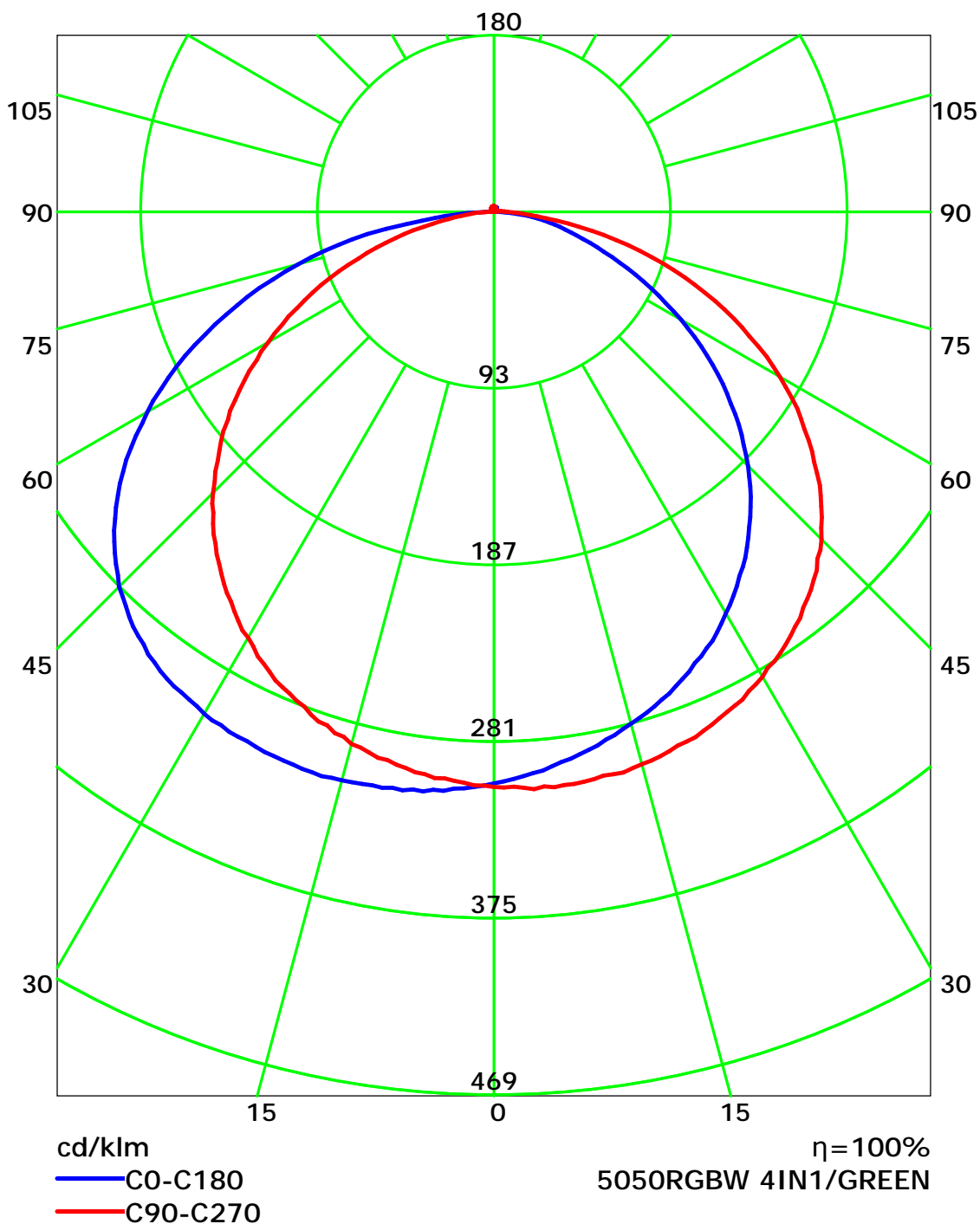
Luminous Intensity Distribution Curve



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:

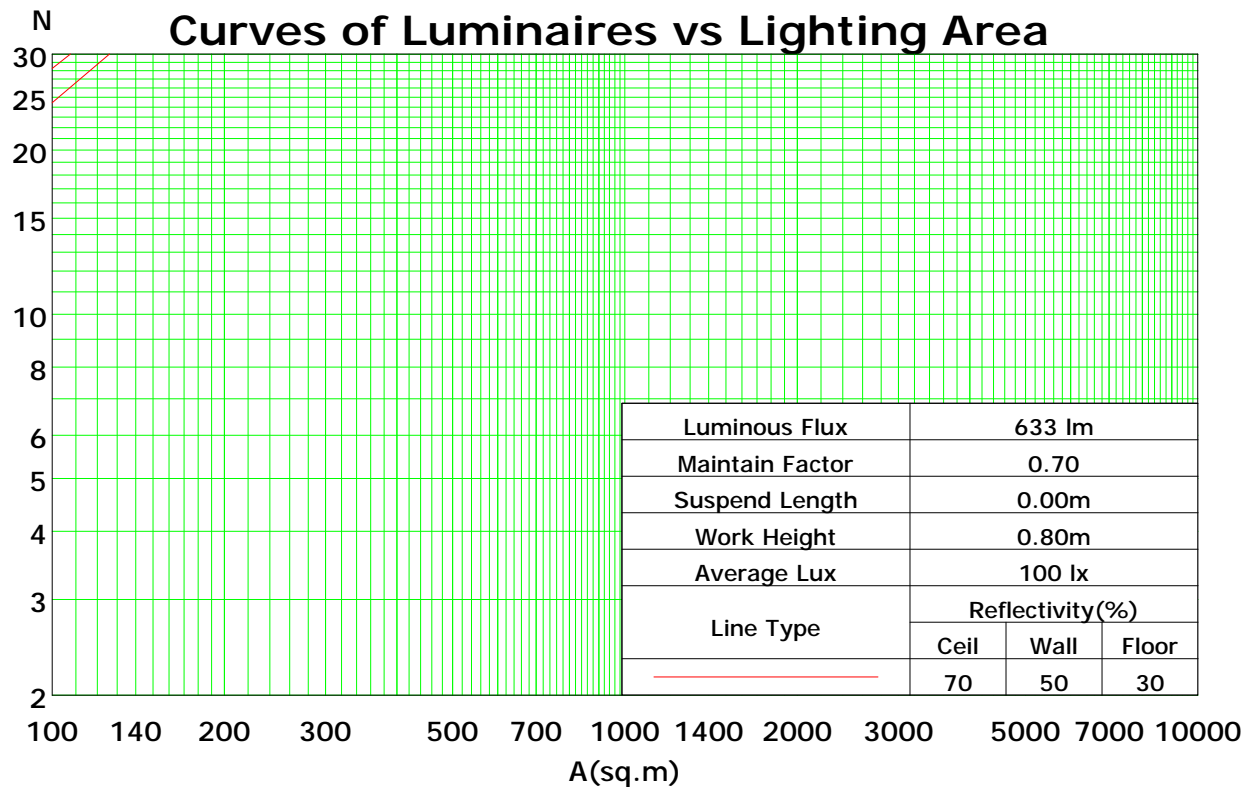
Coefficients Of Utilization - Zonal Cavity Method

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	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	75	71	77	73	70	67
3	89	78	70	63	86	76	68	62	73	66	61	70	64	60	67	63	59	56
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22

Spacing Criteria (0-180): 1.36

Spacing Criteria (90-270): 1.33

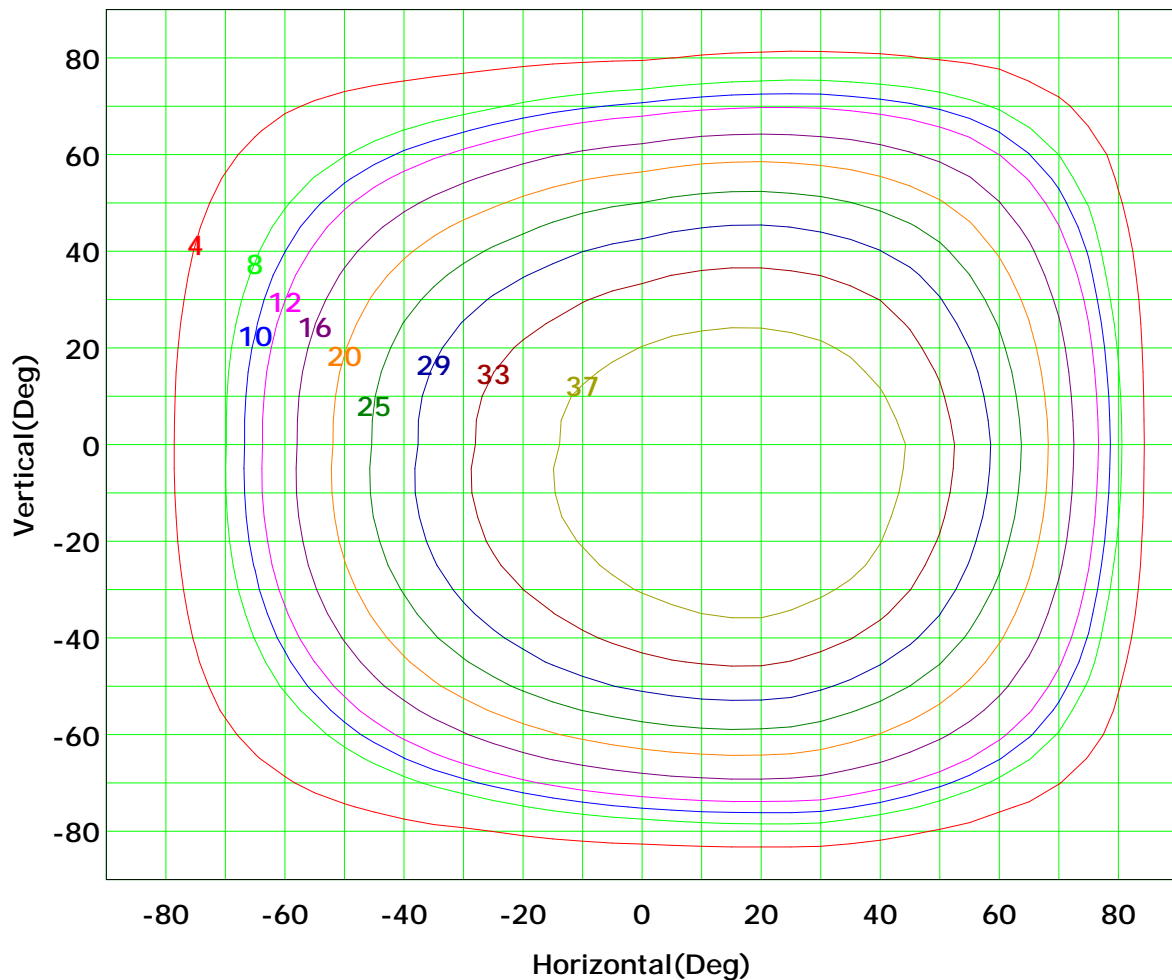
Spacing Criteria (Diagonal): 1.48



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)



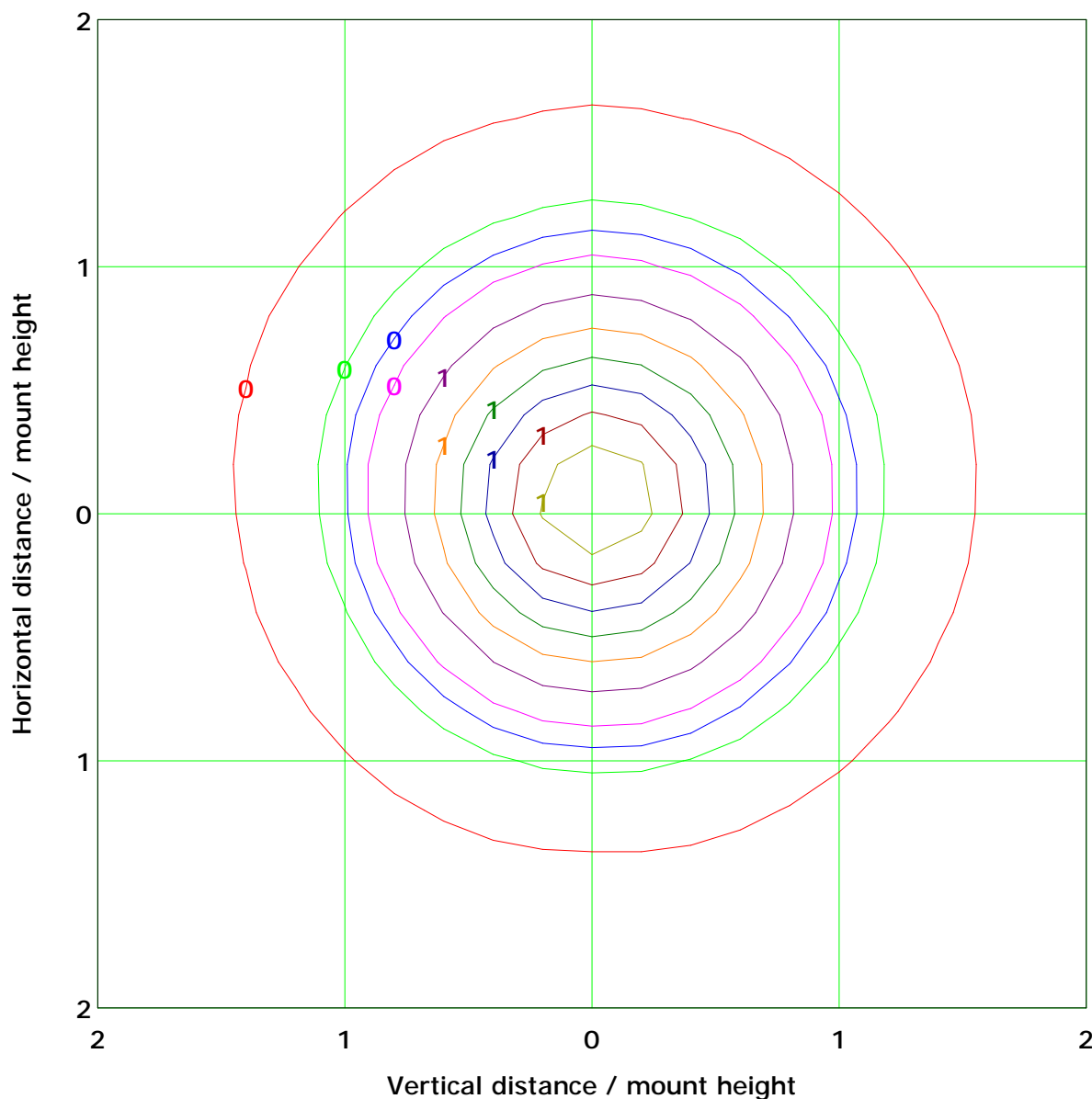
Imax (100%): 41 cd

(10%):	4 cd	(20%):	8 cd
(25%):	10 cd	(30%):	12 cd
(40%):	16 cd	(50%):	20 cd
(60%):	25 cd	(70%):	29 cd
(80%):	33 cd	(90%):	37 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%): 1.6 lx

(10%): 0.2 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.5 lx
(40%): 0.6 lx	(50%): 0.8 lx
(60%): 1.0 lx	(70%): 1.1 lx
(80%): 1.3 lx	(90%): 1.4 lx

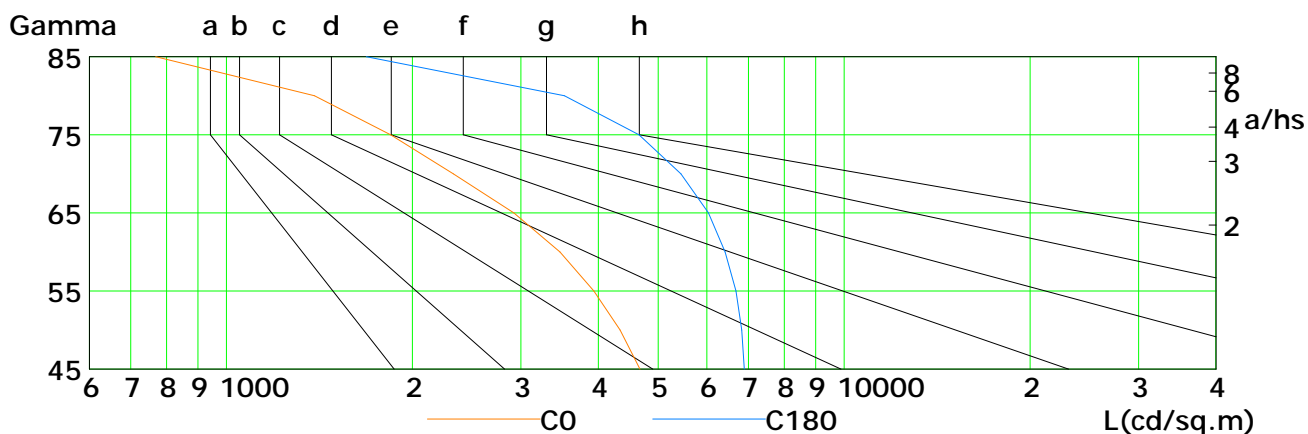
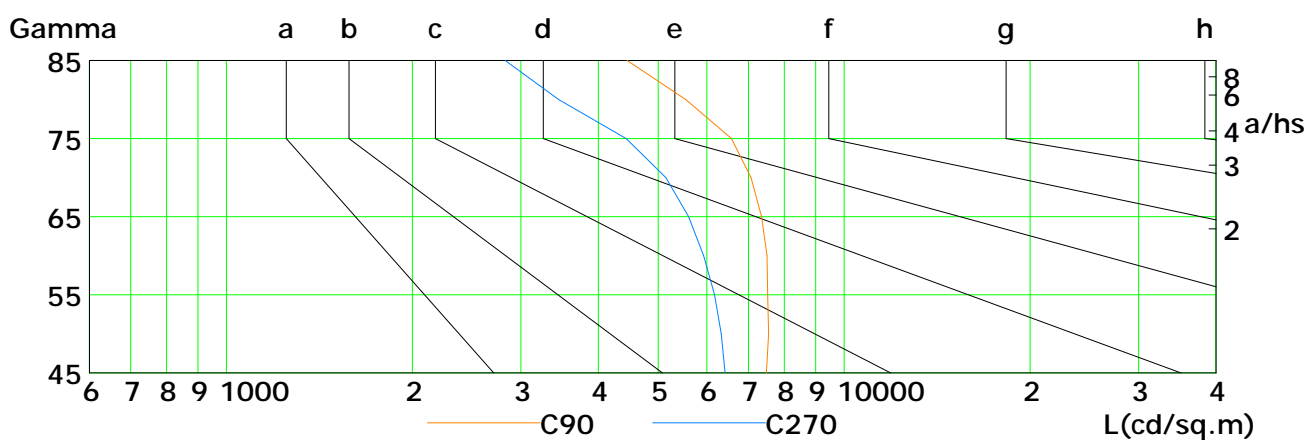
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

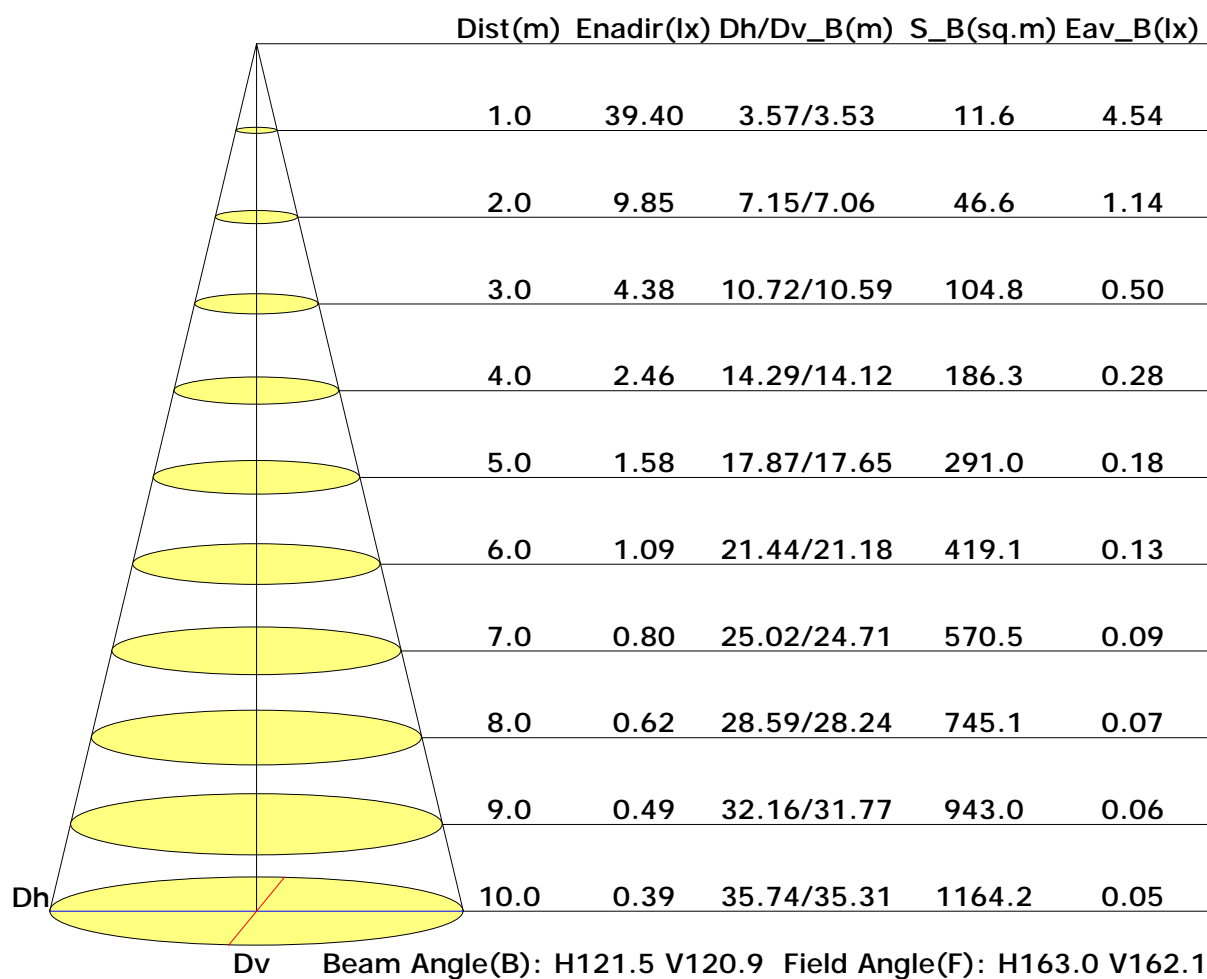


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	4671	4339	3938	3468	2922	2331	1846	1389	768
C90	7486	7553	7525	7509	7355	7066	6576	5541	4456
C180	6896	6830	6685	6422	6033	5442	4657	3525	1685
C270	6420	6325	6168	5925	5603	5149	4440	3453	2828

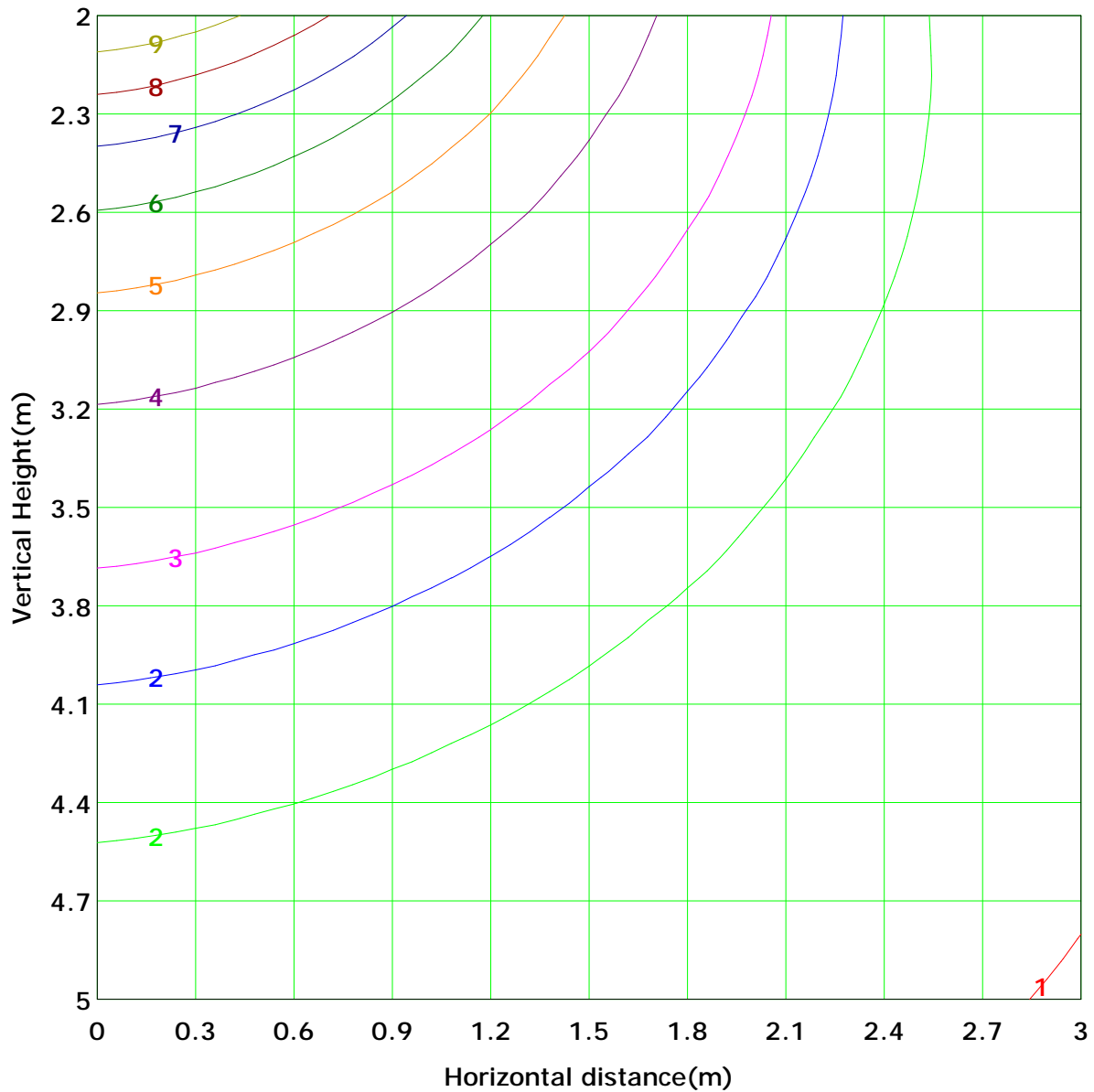
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 9.9 lx
(10%): 1.0 lx	(20%): 2.0 lx	
(25%): 2.5 lx	(30%): 3.0 lx	
(40%): 3.9 lx	(50%): 4.9 lx	
(60%): 5.9 lx	(70%): 6.9 lx	
(80%): 7.9 lx	(90%): 8.9 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

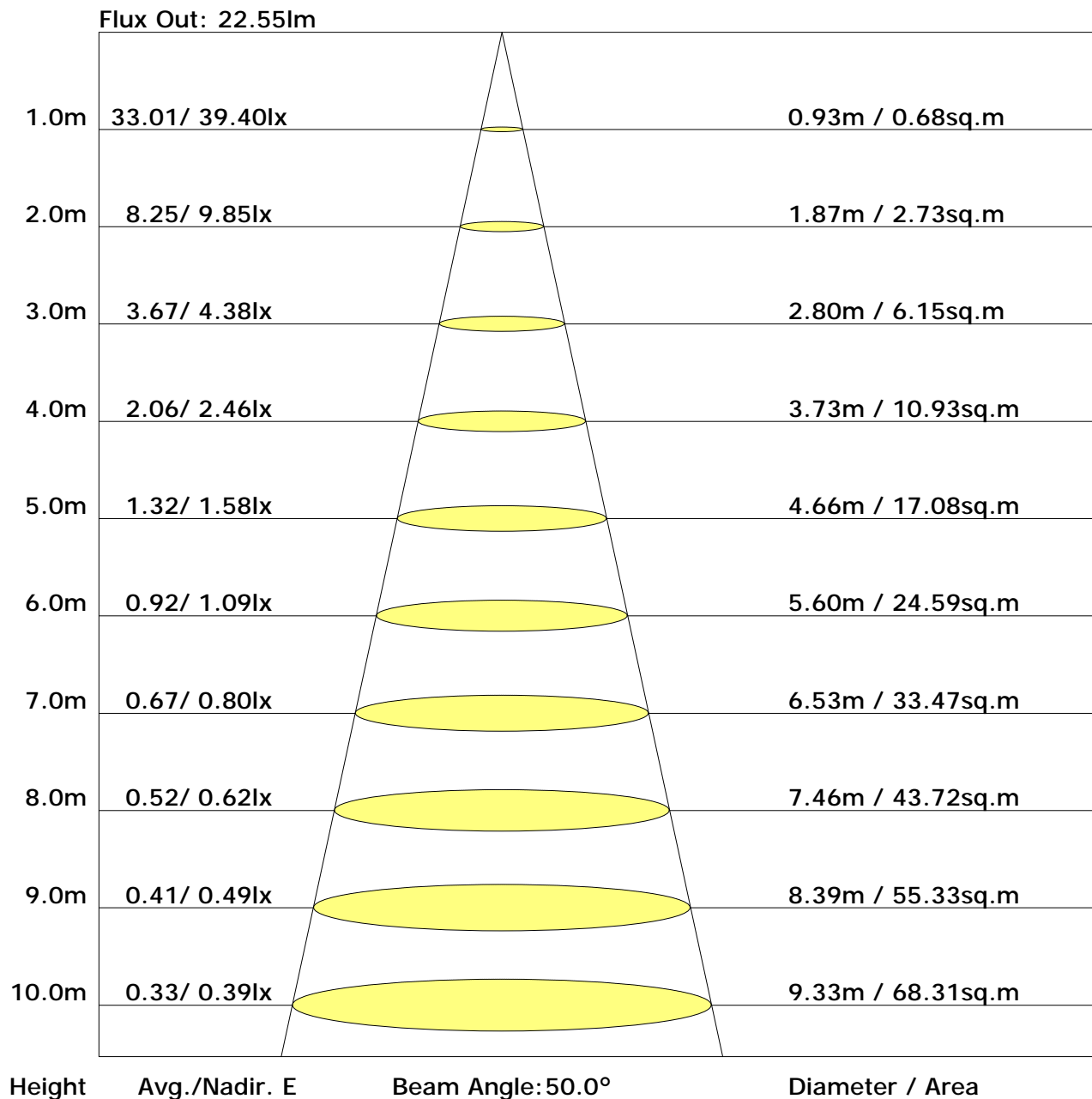
Vertical plane	Horizontal plane																	Flux(T) Flux(E)	Flux(T) Flux(E)	Flux(T) Flux(E)
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
-80	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.1
-70	0.0	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	4.0
-60	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	5.9
-50	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	7.7
-40	0.0	0.1	0.2	0.4	0.6	0.8	0.9	0.9	1.0	1.0	0.9	0.7	0.6	0.5	0.4	0.2	0.1	0.0	0.0	9.0
-30	0.0	0.1	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.1	1.0	0.8	0.7	0.5	0.3	0.1	0.0	0.0	0.0	10.1
-20	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	0.0	10.8
-10	0.0	0.1	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	0.0	11.1
0	0.0	0.1	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.0	0.0	11.3
10	0.0	0.1	0.3	0.5	0.8	1.0	1.1	1.2	1.2	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	0.0	11.1
20	0.0	0.1	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.2	1.1	1.0	0.9	0.7	0.5	0.3	0.1	0.0	0.0	10.7
30	0.0	0.1	0.2	0.4	0.7	0.9	1.0	1.1	1.1	1.1	1.1	1.0	0.8	0.6	0.4	0.3	0.1	0.0	0.0	9.9
40	0.0	0.1	0.2	0.4	0.6	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.0	0.0	8.6
50	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.1	0.0	0.0	0.0	7.0
60	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	4.9
70	0.0	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	4.9
80	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	2.7
90	0.1	1.2	3.3	6.0	8.8	11.3	13.1	14.0	14.2	13.6	12.3	10.5	8.3	5.8	3.5	1.6	0.5	0.1	0.1	128
Flux(E)	0.1	1.1	3.2	5.9	8.8	11.2	13.0	14.0	14.1	13.5	12.2	10.4	8.1	5.7	3.3	1.5	0.3	0.0	0.0	126

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	23.9	25.6	24.3	25.9	26.3	25.7	27.3	26.0	27.6	28.0
3H	25.4	26.9	25.8	27.2	27.6	27.4	28.9	27.7	29.2	29.6
4H	25.9	27.3	26.3	27.6	28.0	27.9	29.3	28.3	29.7	30.1
6H	26.2	27.6	26.7	27.9	28.4	28.3	29.6	28.7	30.0	30.4
8H	26.4	27.6	26.8	28.0	28.5	28.3	29.6	28.8	30.0	30.4
12H	26.5	27.7	26.9	28.1	28.5	28.4	29.6	28.8	30.0	30.4
X=4H Y=2H	24.5	25.9	24.9	26.3	26.7	26.3	27.7	26.7	28.1	28.5
3H	26.1	27.3	26.5	27.7	28.1	28.3	29.4	28.7	29.9	30.3
4H	26.7	27.8	27.1	28.2	28.7	28.9	30.0	29.4	30.4	30.9
6H	27.2	28.1	27.7	28.6	29.1	29.4	30.3	29.9	30.8	31.3
8H	27.4	28.2	27.8	28.7	29.2	29.5	30.4	30.0	30.8	31.3
12H	27.5	28.3	28.0	28.8	29.3	29.5	30.3	30.0	30.8	31.3
X=8H Y=4H	26.9	27.8	27.4	28.2	28.7	29.3	30.1	29.7	30.6	31.1
6H	27.5	28.2	28.0	28.7	29.2	29.8	30.5	30.3	31.0	31.5
8H	27.7	28.4	28.3	28.9	29.4	30.0	30.6	30.5	31.1	31.6
12H	27.9	28.5	28.5	29.0	29.6	30.0	30.6	30.6	31.1	31.7
X=12H Y=4H	26.9	27.7	27.4	28.2	28.7	29.3	30.1	29.8	30.6	31.1
6H	27.5	28.2	28.1	28.7	29.2	29.9	30.5	30.4	31.0	31.6
8H	27.8	28.4	28.3	28.9	29.5	30.0	30.6	30.6	31.1	31.7

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	0.74	0.79	0.87	0.92	0.95	1.00	1.03
	0.30		0.50	0.58	0.66	0.72	0.80	0.86	0.90	0.95	0.99
	0.20		0.44	0.52	0.61	0.67	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.56	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.98
	0.30		0.49	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.44	0.52	0.60	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.54	0.62	0.69	0.74	0.80	0.85	0.88	0.92	0.94
	0.30		0.48	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92
	0.20		0.43	0.51	0.59	0.64	0.72	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.41	0.48	0.56	0.61	0.68	0.73	0.77	0.82	0.85
Rating: 2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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	0.83	0.71	0.61	0.49	0.41	0.35	0.27	0.22
	0.30		0.82	0.71	0.62	0.54	0.44	0.38	0.32	0.26	0.21
	0.20		0.70	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.94	0.80	0.68	0.59	0.47	0.42	0.33	0.26	0.21
	0.30		0.80	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.69	0.61	0.53	0.48	0.39	0.34	0.29	0.23	0.19
0.30	0.50	0.20	0.92	0.77	0.65	0.56	0.45	0.37	0.32	0.25	0.20
	0.30		0.78	0.68	0.58	0.51	0.41	0.35	0.30	0.24	0.19
	0.20		0.68	0.60	0.53	0.47	0.38	0.33	0.28	0.22	0.19
0.00	0.00	0.00	0.58	0.51	0.43	0.38	0.31	0.26	0.22	0.17	0.14
Rating: 2W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980											

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

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	39.6	0.0	0.0	0.03	0.03
1.0-2.0	39.6	0.1	0.2	0.09	0.12
2.0-3.0	39.6	0.2	0.3	0.15	0.26
3.0-4.0	39.5	0.3	0.6	0.20	0.47
4.0-5.0	39.5	0.3	0.9	0.26	0.73
5.0-6.0	39.5	0.4	1.4	0.32	1.05
6.0-7.0	39.4	0.5	1.8	0.38	1.43
7.0-8.0	39.4	0.6	2.4	0.43	1.86
8.0-9.0	39.3	0.6	3.0	0.49	2.35
9.0-10.0	39.2	0.7	3.8	0.55	2.90
10.0-11.0	39.1	0.8	4.5	0.60	3.50
11.0-12.0	39.0	0.9	5.4	0.66	4.16
12.0-13.0	38.9	0.9	6.3	0.71	4.88
13.0-14.0	38.8	1.0	7.3	0.77	5.64
14.0-15.0	38.7	1.1	8.4	0.82	6.46
15.0-16.0	38.6	1.1	9.5	0.87	7.34
16.0-17.0	38.5	1.2	10.7	0.92	8.26
17.0-18.0	38.3	1.3	12.0	0.98	9.24
18.0-19.0	38.2	1.3	13.3	1.03	10.26
19.0-20.0	38.0	1.4	14.7	1.07	11.34
20.0-21.0	37.9	1.5	16.1	1.12	12.46
21.0-22.0	37.7	1.5	17.7	1.17	13.63
22.0-23.0	37.5	1.6	19.2	1.21	14.84
23.0-24.0	37.3	1.6	20.9	1.26	16.10
24.0-25.0	37.1	1.7	22.6	1.30	17.41
25.0-26.0	36.9	1.7	24.3	1.34	18.75
26.0-27.0	36.7	1.8	26.1	1.39	20.14
27.0-28.0	36.4	1.8	27.9	1.42	21.56
28.0-29.0	36.2	1.9	29.8	1.46	23.02
29.0-30.0	36.0	1.9	31.8	1.50	24.52
30.0-31.0	35.7	2.0	33.8	1.53	26.05
31.0-32.0	35.4	2.0	35.8	1.57	27.62
32.0-33.0	35.1	2.1	37.9	1.60	29.22
33.0-34.0	34.8	2.1	40.0	1.63	30.84
34.0-35.0	34.5	2.1	42.1	1.65	32.50
35.0-36.0	34.2	2.2	44.3	1.68	34.18

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 [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	33.9	2.2	46.5	1.70	35.88
37.0-38.0	33.5	2.2	48.7	1.73	37.61
38.0-39.0	33.1	2.3	51.0	1.75	39.36
39.0-40.0	32.7	2.3	53.3	1.76	41.12
40.0-41.0	32.4	2.3	55.6	1.78	42.90
41.0-42.0	31.9	2.3	57.9	1.79	44.69
42.0-43.0	31.5	2.3	60.2	1.80	46.49
43.0-44.0	31.0	2.3	62.6	1.81	48.30
44.0-45.0	30.6	2.3	64.9	1.81	50.11
45.0-46.0	30.1	2.4	67.3	1.82	51.93
46.0-47.0	29.6	2.4	69.6	1.82	53.74
47.0-48.0	29.0	2.3	72.0	1.81	55.55
48.0-49.0	28.5	2.3	74.3	1.81	57.36
49.0-50.0	27.9	2.3	76.6	1.80	59.16
50.0-51.0	27.4	2.3	79.0	1.79	60.95
51.0-52.0	26.8	2.3	81.3	1.77	62.72
52.0-53.0	26.2	2.3	83.5	1.76	64.47
53.0-54.0	25.5	2.3	85.8	1.74	66.21
54.0-55.0	24.9	2.2	88.0	1.71	67.93
55.0-56.0	24.2	2.2	90.2	1.69	69.62
56.0-57.0	23.5	2.2	92.4	1.66	71.28
57.0-58.0	22.8	2.1	94.5	1.63	72.91
58.0-59.0	22.1	2.1	96.5	1.60	74.50
59.0-60.0	21.4	2.0	98.6	1.56	76.07
60.0-61.0	20.7	2.0	100.5	1.52	77.59
61.0-62.0	19.9	1.9	102.4	1.48	79.07
62.0-63.0	19.2	1.9	104.3	1.44	80.51
63.0-64.0	18.4	1.8	106.1	1.39	81.90
64.0-65.0	17.6	1.7	107.9	1.34	83.25
65.0-66.0	16.8	1.7	109.5	1.30	84.54
66.0-67.0	16.0	1.6	111.2	1.25	85.79
67.0-68.0	15.3	1.5	112.7	1.19	86.98
68.0-69.0	14.5	1.5	114.2	1.14	88.12
69.0-70.0	13.6	1.4	115.6	1.08	89.20
70.0-71.0	12.9	1.3	116.9	1.03	90.23
71.0-72.0	12.1	1.3	118.2	0.97	91.20

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	11.3	1.2	119.3	0.91	92.11
73.0-74.0	10.5	1.1	120.4	0.85	92.96
74.0-75.0	9.7	1.0	121.5	0.79	93.75
75.0-76.0	8.9	0.9	122.4	0.73	94.49
76.0-77.0	8.2	0.9	123.3	0.67	95.16
77.0-78.0	7.4	0.8	124.1	0.61	95.77
78.0-79.0	6.7	0.7	124.8	0.56	96.33
79.0-80.0	6.0	0.6	125.5	0.50	96.83
80.0-81.0	5.3	0.6	126.0	0.44	97.27
81.0-82.0	4.5	0.5	126.5	0.38	97.64
82.0-83.0	3.8	0.4	126.9	0.32	97.96
83.0-84.0	3.1	0.3	127.3	0.26	98.23
84.0-85.0	2.6	0.3	127.5	0.22	98.44
85.0-86.0	2.0	0.2	127.8	0.17	98.62
86.0-87.0	1.6	0.2	127.9	0.13	98.75
87.0-88.0	1.1	0.1	128.1	0.09	98.84
88.0-89.0	0.7	0.1	128.1	0.06	98.90
89.0-90.0	0.5	0.1	128.2	0.04	98.95
90.0-91.0	0.4	0.0	128.2	0.03	98.98
91.0-92.0	0.3	0.0	128.3	0.03	99.00
92.0-93.0	0.3	0.0	128.3	0.02	99.03
93.0-94.0	0.2	0.0	128.3	0.02	99.05
94.0-95.0	0.2	0.0	128.4	0.02	99.06
95.0-96.0	0.2	0.0	128.4	0.01	99.07
96.0-97.0	0.2	0.0	128.4	0.01	99.09
97.0-98.0	0.2	0.0	128.4	0.01	99.10
98.0-99.0	0.1	0.0	128.4	0.01	99.11
99.0-100.0	0.1	0.0	128.4	0.01	99.12
100.0-101.0	0.1	0.0	128.4	0.01	99.13
101.0-102.0	0.1	0.0	128.5	0.01	99.14
102.0-103.0	0.1	0.0	128.5	0.01	99.15
103.0-104.0	0.1	0.0	128.5	0.01	99.16
104.0-105.0	0.1	0.0	128.5	0.01	99.17
105.0-106.0	0.1	0.0	128.5	0.01	99.18
106.0-107.0	0.1	0.0	128.5	0.01	99.19
107.0-108.0	0.1	0.0	128.5	0.01	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 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	128.5	0.01	99.21
109.0-110.0	0.1	0.0	128.6	0.01	99.22
110.0-111.0	0.1	0.0	128.6	0.01	99.23
111.0-112.0	0.2	0.0	128.6	0.01	99.25
112.0-113.0	0.2	0.0	128.6	0.01	99.26
113.0-114.0	0.2	0.0	128.6	0.01	99.27
114.0-115.0	0.2	0.0	128.6	0.01	99.28
115.0-116.0	0.2	0.0	128.7	0.01	99.30
116.0-117.0	0.2	0.0	128.7	0.01	99.31
117.0-118.0	0.2	0.0	128.7	0.01	99.32
118.0-119.0	0.2	0.0	128.7	0.01	99.34
119.0-120.0	0.2	0.0	128.7	0.01	99.35
120.0-121.0	0.2	0.0	128.7	0.01	99.37
121.0-122.0	0.2	0.0	128.8	0.01	99.38
122.0-123.0	0.2	0.0	128.8	0.01	99.39
123.0-124.0	0.2	0.0	128.8	0.01	99.41
124.0-125.0	0.2	0.0	128.8	0.02	99.43
125.0-126.0	0.2	0.0	128.8	0.02	99.44
126.0-127.0	0.2	0.0	128.9	0.01	99.46
127.0-128.0	0.2	0.0	128.9	0.02	99.47
128.0-129.0	0.2	0.0	128.9	0.02	99.49
129.0-130.0	0.2	0.0	128.9	0.01	99.50
130.0-131.0	0.2	0.0	128.9	0.01	99.52
131.0-132.0	0.2	0.0	129.0	0.02	99.53
132.0-133.0	0.2	0.0	129.0	0.02	99.55
133.0-134.0	0.3	0.0	129.0	0.02	99.56
134.0-135.0	0.3	0.0	129.0	0.02	99.58
135.0-136.0	0.2	0.0	129.0	0.01	99.59
136.0-137.0	0.2	0.0	129.1	0.01	99.61
137.0-138.0	0.3	0.0	129.1	0.01	99.62
138.0-139.0	0.3	0.0	129.1	0.01	99.64
139.0-140.0	0.3	0.0	129.1	0.01	99.65
140.0-141.0	0.3	0.0	129.1	0.01	99.67
141.0-142.0	0.3	0.0	129.2	0.01	99.68
142.0-143.0	0.3	0.0	129.2	0.01	99.69
143.0-144.0	0.3	0.0	129.2	0.01	99.71

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

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

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.3	0.0	129.2	0.01	99.72
145.0-146.0	0.3	0.0	129.2	0.01	99.74
146.0-147.0	0.3	0.0	129.2	0.01	99.75
147.0-148.0	0.3	0.0	129.3	0.01	99.76
148.0-149.0	0.3	0.0	129.3	0.01	99.78
149.0-150.0	0.3	0.0	129.3	0.01	99.79
150.0-151.0	0.3	0.0	129.3	0.01	99.80
151.0-152.0	0.3	0.0	129.3	0.01	99.81
152.0-153.0	0.3	0.0	129.3	0.01	99.82
153.0-154.0	0.3	0.0	129.4	0.01	99.84
154.0-155.0	0.3	0.0	129.4	0.01	99.85
155.0-156.0	0.3	0.0	129.4	0.01	99.86
156.0-157.0	0.3	0.0	129.4	0.01	99.87
157.0-158.0	0.3	0.0	129.4	0.01	99.88
158.0-159.0	0.3	0.0	129.4	0.01	99.89
159.0-160.0	0.3	0.0	129.4	0.01	99.90
160.0-161.0	0.3	0.0	129.4	0.01	99.91
161.0-162.0	0.3	0.0	129.5	0.01	99.92
162.0-163.0	0.3	0.0	129.5	0.01	99.93
163.0-164.0	0.3	0.0	129.5	0.01	99.93
164.0-165.0	0.3	0.0	129.5	0.01	99.94
165.0-166.0	0.3	0.0	129.5	0.01	99.95
166.0-167.0	0.3	0.0	129.5	0.01	99.96
167.0-168.0	0.3	0.0	129.5	0.01	99.96
168.0-169.0	0.3	0.0	129.5	0.01	99.97
169.0-170.0	0.4	0.0	129.5	0.01	99.97
170.0-171.0	0.4	0.0	129.5	0.01	99.98
171.0-172.0	0.4	0.0	129.5	0.00	99.98
172.0-173.0	0.3	0.0	129.5	0.00	99.99
173.0-174.0	0.4	0.0	129.6	0.00	99.99
174.0-175.0	0.4	0.0	129.6	0.00	99.99
175.0-176.0	0.4	0.0	129.6	0.00	100.00
176.0-177.0	0.4	0.0	129.6	0.00	100.00
177.0-178.0	0.4	0.0	129.6	0.00	100.00
178.0-179.0	0.4	0.0	129.6	0.00	100.00
179.0-180.0	0.4	0.0	129.6	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: