

Report No.:

Test Time: 2023/9/28 11:44

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: HEXA NODE RGB-1.5W-UCS8903

Luminaire Description: CLEAR FLAT IP67

Lamp Description: 3 nodes RED

Luminous Width (mm): 50

Voltage: 24.0 V

Power: 1.97 W

Lamp Catalog: NODE

Luminous Length (mm): 250

Luminous Height (mm): 30

Current: 0.082 A

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 31 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(10%,50%): H147.3,H106.2

Vertical Diffuse Angle(10%,50%): V147.9,V106.8

Luminaire Efficacy Rating (LER): 16

Max. Intensity: 12.02 cd

Total Rated Lamp Lumens: 31.0 lm

Efficiency: 100%

Upward Ratio: 2%

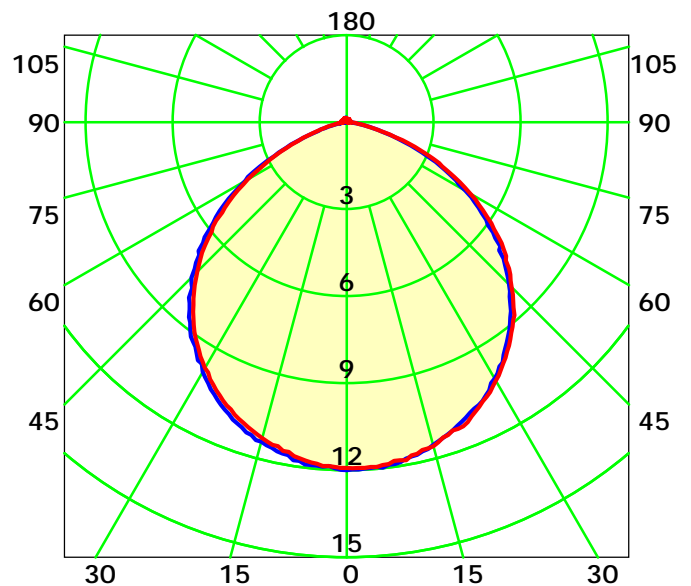
Central Intensity: 12.01 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



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

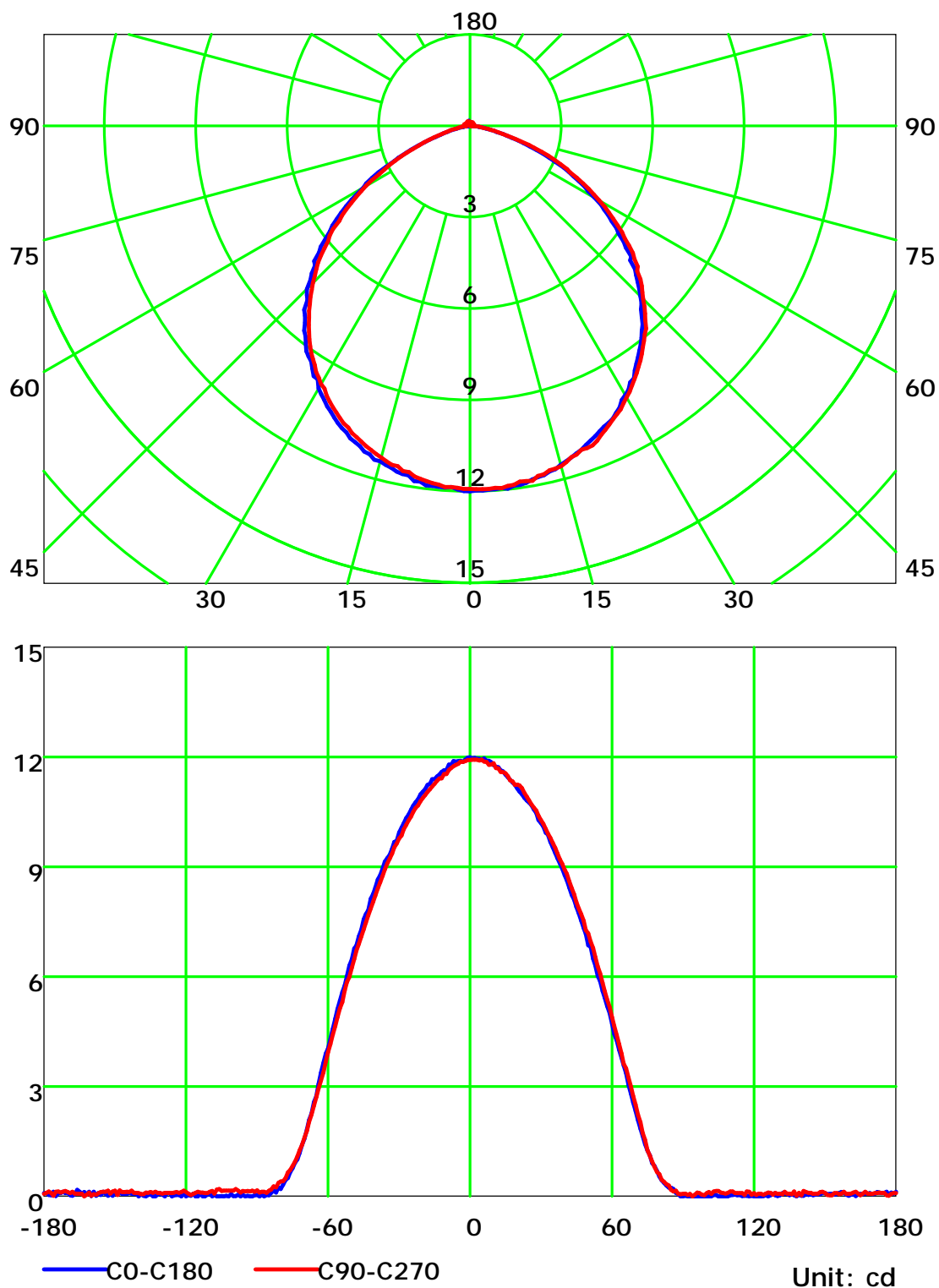
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

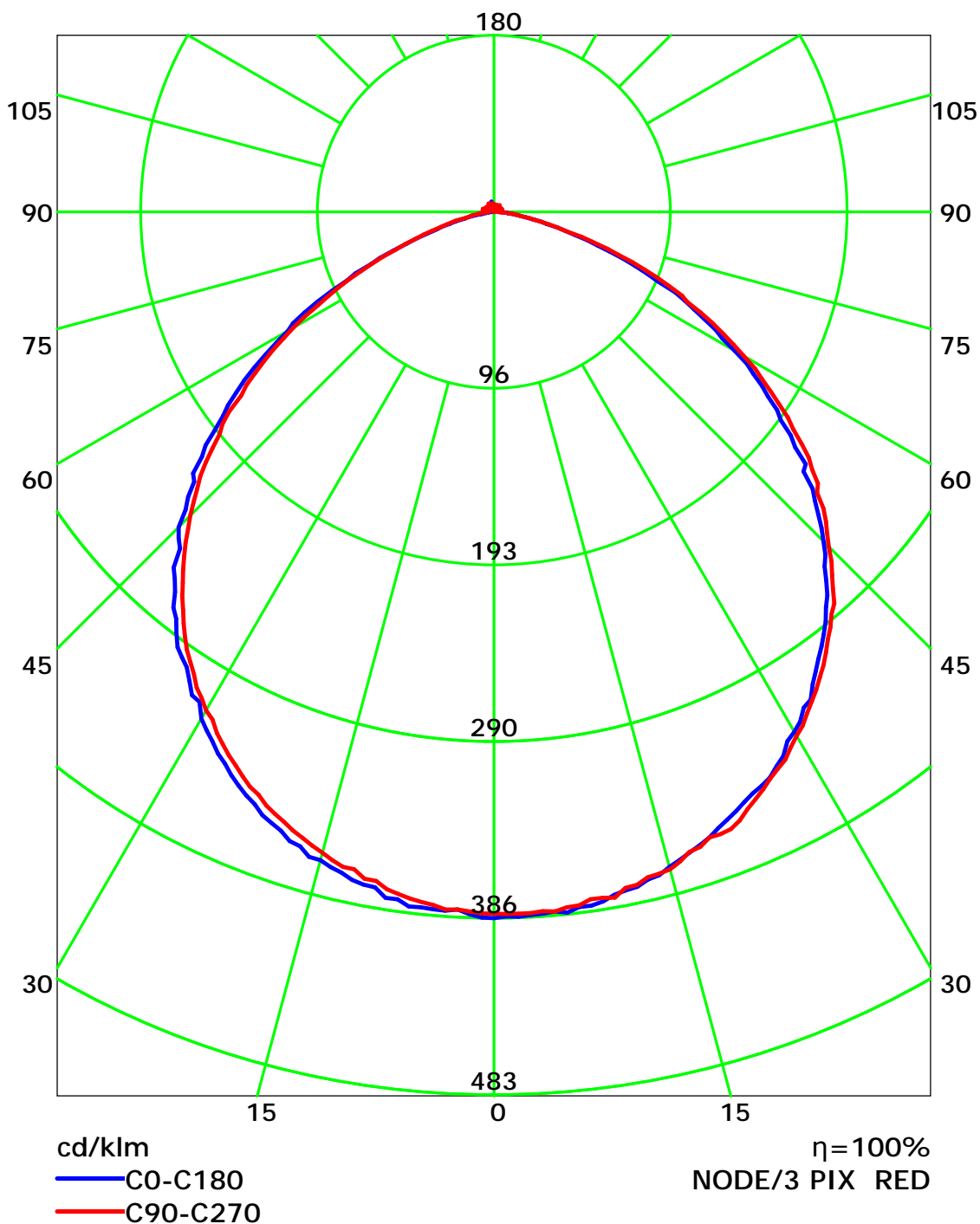
Luminous Intensity Distribution Curve



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:

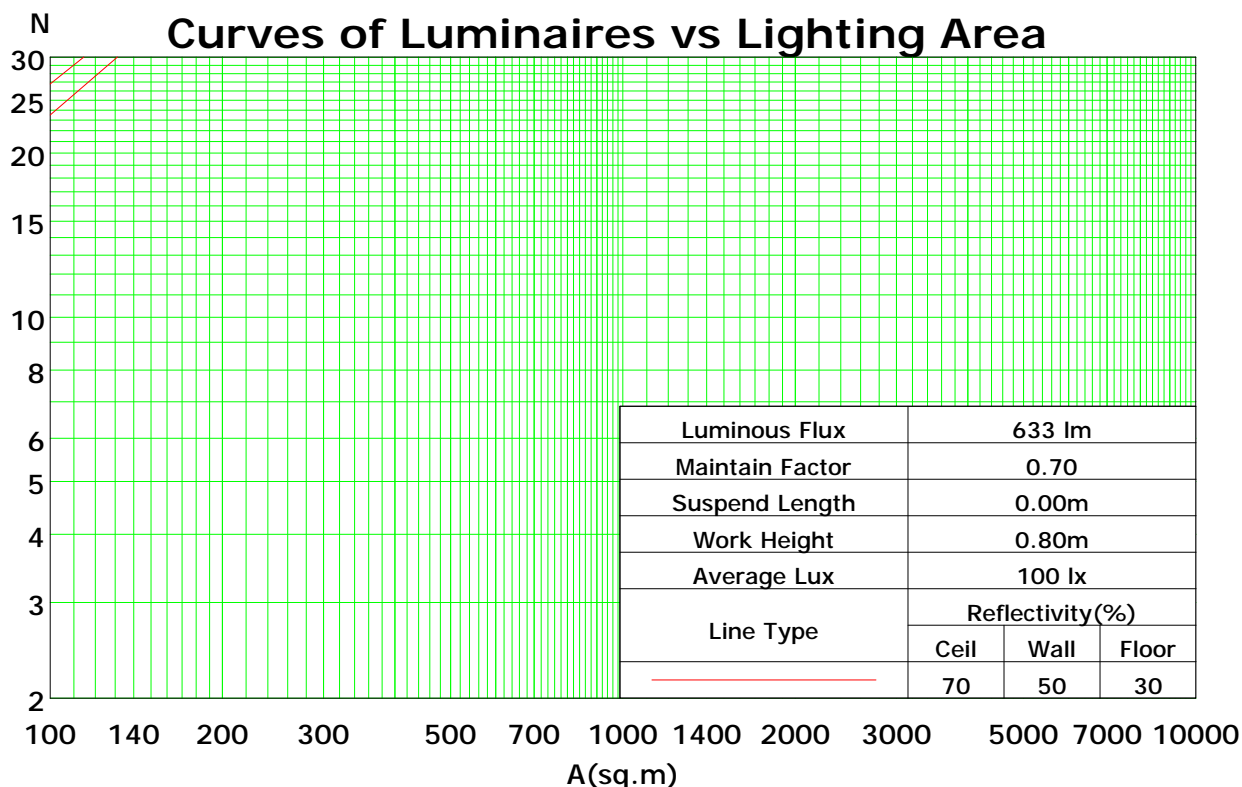
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	100	100	100	98
1	110	105	101	98	107	103	99	96	98	96	93	94	92	90	90	89	87	85
2	100	93	87	81	98	91	85	80	87	82	78	84	80	76	80	77	74	72
3	92	82	74	68	89	80	73	68	77	71	66	74	69	65	72	67	64	61
4	84	73	65	58	82	72	64	58	69	62	57	66	61	56	64	59	55	53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	67	54	45	39	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	35	45	39	34	44	38	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	29	53	41	33	28	40	33	28	39	32	28	38	32	28	26

Spacing Criteria (0-180): 1.25

Spacing Criteria (90-270): 1.25

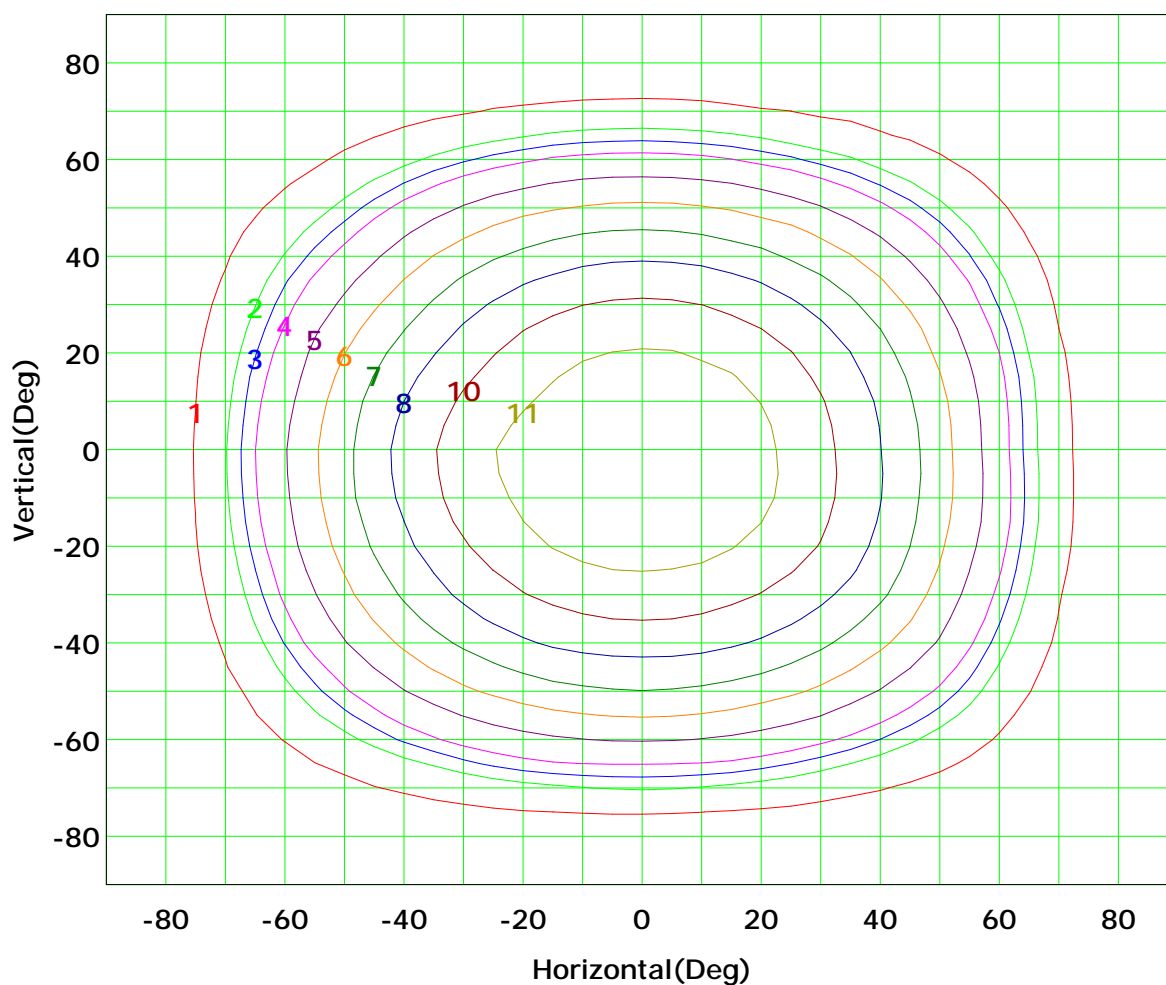
Spacing Criteria (Diagonal): 1.35



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)



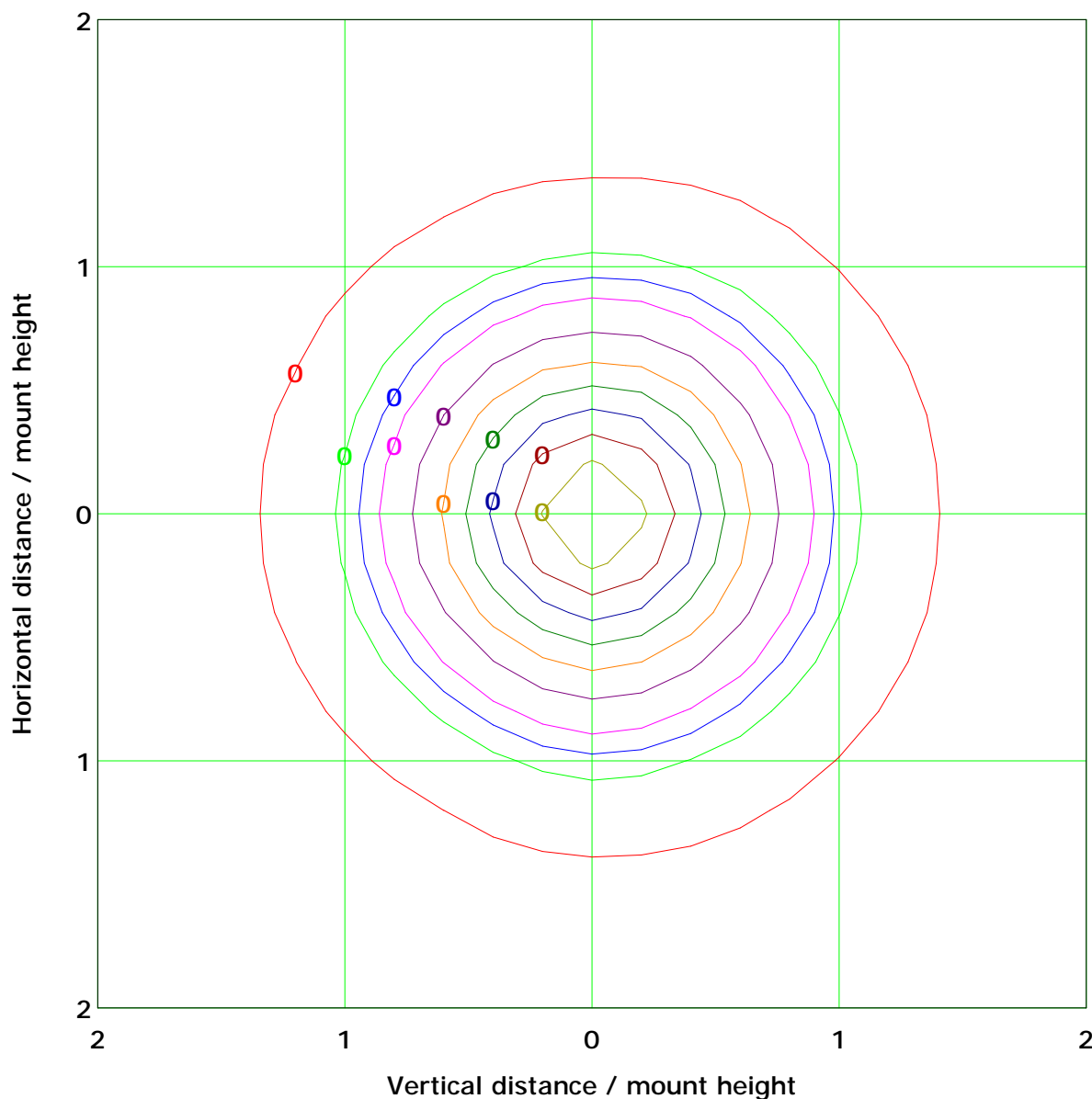
I_{max} (100%): 12 cd

(10%):	1 cd	(20%):	2 cd
(25%):	3 cd	(30%):	4 cd
(40%):	5 cd	(50%):	6 cd
(60%):	7 cd	(70%):	8 cd
(80%):	10 cd	(90%):	11 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%): 0.5 lx

(10%): 0.0 lx	(20%): 0.1 lx
(25%): 0.1 lx	(30%): 0.1 lx
(40%): 0.2 lx	(50%): 0.2 lx
(60%): 0.3 lx	(70%): 0.3 lx
(80%): 0.4 lx	(90%): 0.4 lx

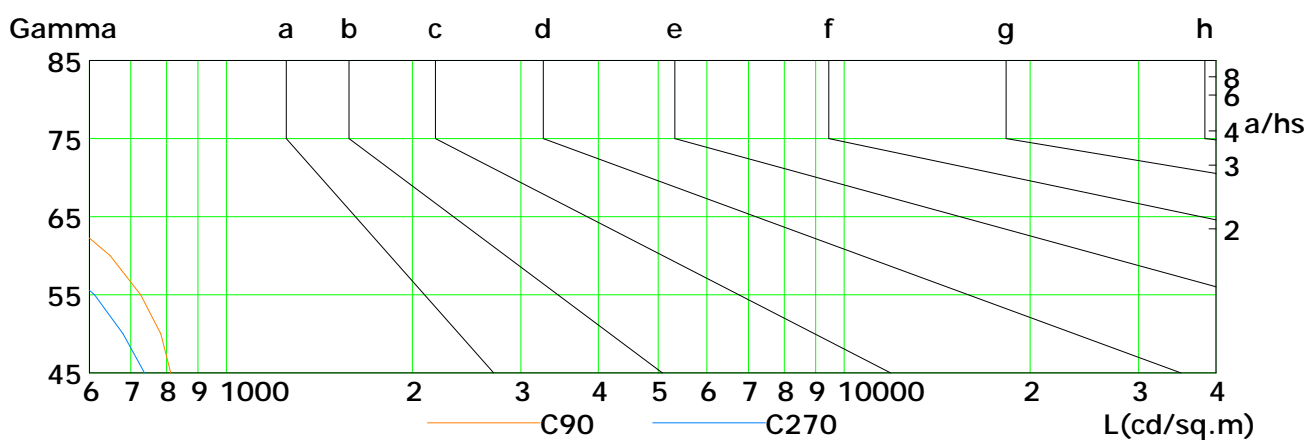
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



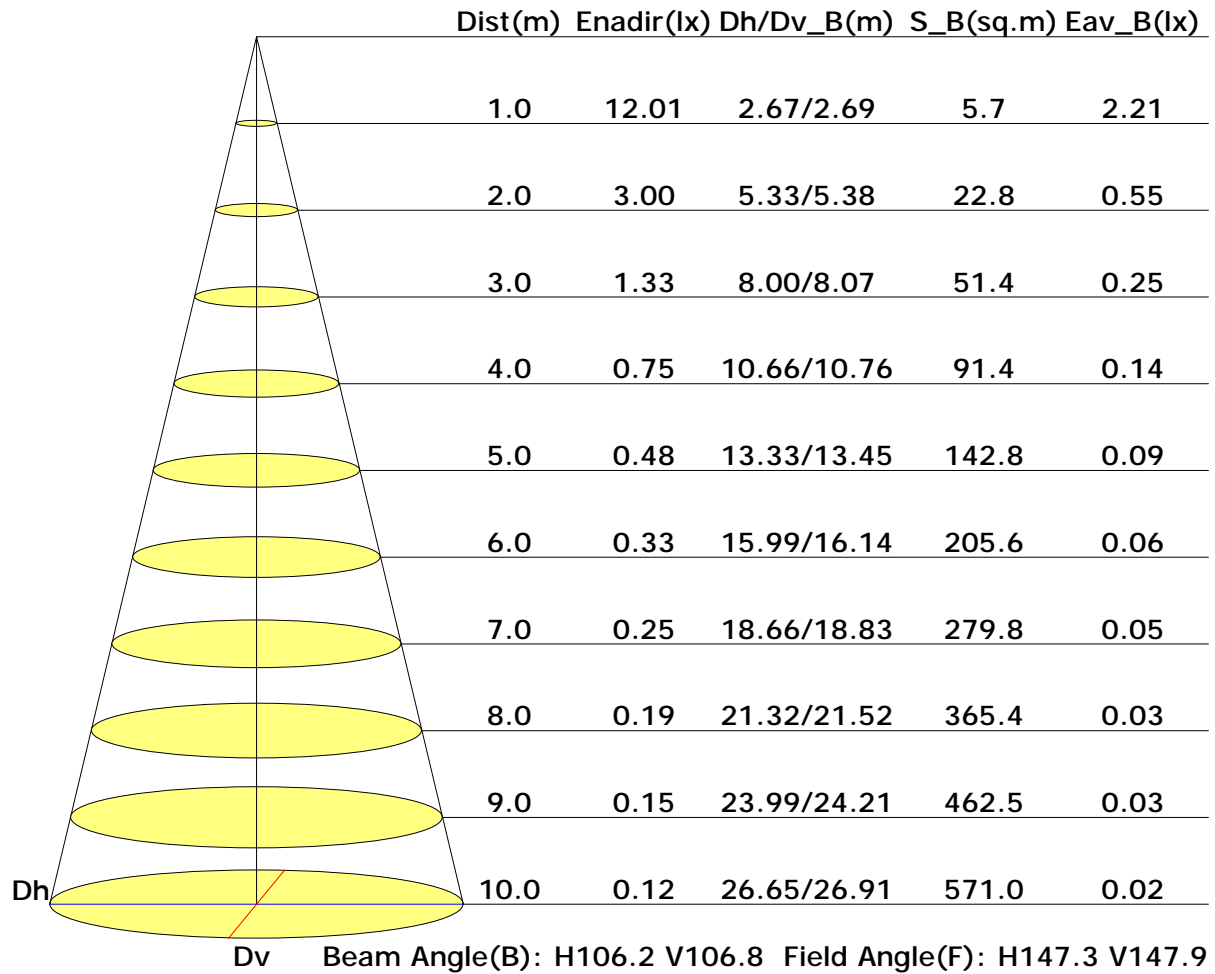
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	560	499	442	370	296	207	119	57	28
C90	813	783	726	649	547	442	269	167	70
C180	536	470	402	317	228	140	73	21	4
C270	737	681	612	522	410	283	177	112	62

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

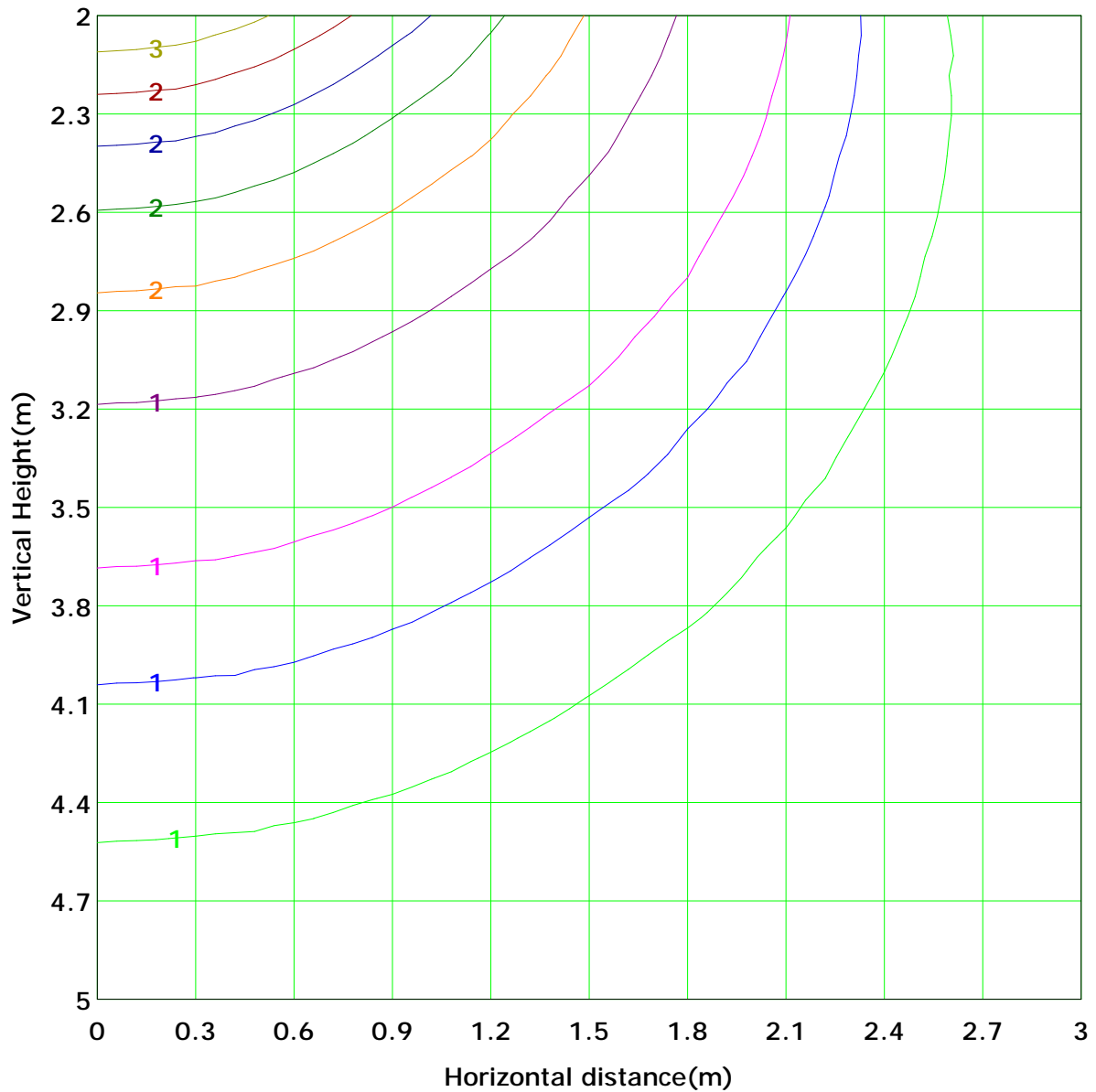
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 3.0 lx
(10%): 0.3 lx	(20%): 0.6 lx	(30%): 0.9 lx
(25%): 0.8 lx	(50%): 1.5 lx	(70%): 2.1 lx
(40%): 1.2 lx	(80%): 2.4 lx	(90%): 2.7 lx
(60%): 1.8 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:

Area Flux Table

Unit: lm

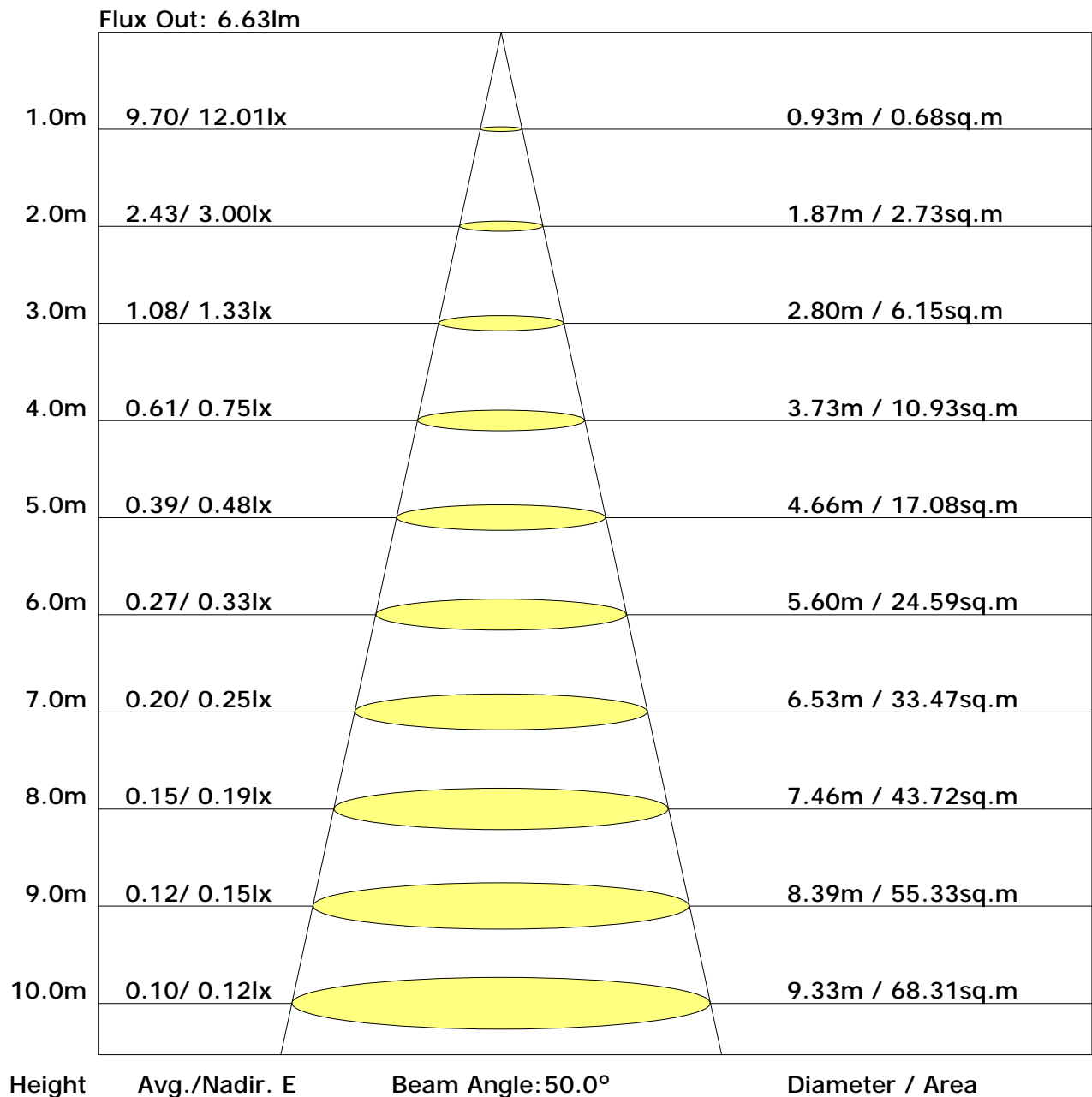
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-70	0.0	0.0	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	0.0
	-60	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	0.9	0.0
	-50	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	1.6	0.0
	-40	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	2.3	0.0
	-30	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	2.9	0.0
	-20	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	3.4	0.0
	-10	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	3.6	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	3.6	0.0
	10	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	3.4	0.0
	20	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	2.9	0.0
	30	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	2.3	0.0
	40	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	1.6	0.0
	50	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	0.9	0.0
	60	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	0.4	0.0
	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	0.0	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	0.0
	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
	Flux(T)	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	31	0.0
	Flux(E)	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	30

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	21.9	23.5	22.3	23.8	24.2	21.4	23.0	21.8	23.3	23.7
3H	23.1	24.5	23.5	24.8	25.3	22.5	23.8	22.9	24.2	24.6
4H	23.4	24.6	23.8	25.0	25.4	22.6	23.9	23.1	24.3	24.7
6H	23.4	24.6	23.9	25.0	25.5	22.7	23.9	23.1	24.3	24.7
8H	23.4	24.6	23.9	25.0	25.4	22.7	23.8	23.1	24.2	24.7
12H	23.4	24.5	23.9	24.9	25.4	22.6	23.7	23.1	24.1	24.6
X=4H Y=2H	22.2	23.5	22.7	23.9	24.3	21.9	23.2	22.3	23.6	24.0
3H	23.5	24.5	23.9	25.0	25.4	23.0	24.1	23.5	24.5	25.0
4H	23.8	24.7	24.2	25.2	25.7	23.3	24.2	23.7	24.7	25.1
6H	23.9	24.7	24.4	25.2	25.7	23.3	24.1	23.8	24.6	25.1
8H	23.9	24.7	24.4	25.1	25.7	23.3	24.1	23.8	24.6	25.1
12H	23.9	24.6	24.4	25.1	25.6	23.3	24.0	23.8	24.5	25.0
X=8H Y=4H	23.8	24.5	24.3	25.0	25.5	23.3	24.1	23.8	24.6	25.1
6H	23.9	24.5	24.4	25.0	25.6	23.4	24.0	23.9	24.5	25.1
8H	23.9	24.5	24.4	25.0	25.5	23.4	23.9	23.9	24.5	25.0
12H	23.9	24.4	24.4	24.9	25.5	23.4	23.9	23.9	24.4	25.0
X=12H Y=4H	23.7	24.4	24.3	24.9	25.4	23.3	24.0	23.8	24.5	25.0
6H	23.9	24.4	24.4	24.9	25.5	23.4	23.9	23.9	24.4	25.0
8H	23.9	24.4	24.4	24.9	25.5	23.4	23.9	23.9	24.4	25.0

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	0.59	0.70	0.78	0.83	0.90	0.95	0.98	1.02	1.05
	0.30		0.52	0.63	0.71	0.76	0.84	0.90	0.93	0.98	1.02
	0.20		0.47	0.58	0.65	0.71	0.80	0.85	0.89	0.95	0.99
0.50	0.50	0.20	0.58	0.68	0.75	0.80	0.87	0.91	0.94	0.98	1.00
	0.30		0.51	0.62	0.69	0.74	0.82	0.87	0.90	0.95	0.98
	0.20		0.46	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95
0.30	0.50	0.20	0.56	0.66	0.73	0.77	0.83	0.87	0.90	0.94	0.96
	0.30		0.50	0.60	0.68	0.73	0.79	0.84	0.87	0.91	0.94
	0.20		0.46	0.56	0.63	0.69	0.76	0.81	0.85	0.89	0.92
0.00	0.00	0.00	0.43	0.53	0.60	0.66	0.72	0.77	0.80	0.84	0.87
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 = 1.25									
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	0.95	0.77	0.65	0.56	0.44	0.36	0.31	0.24	0.19	
	0.30		0.79	0.66	0.56	0.49	0.40	0.33	0.28	0.22	0.18	
	0.20		0.68	0.57	0.50	0.44	0.36	0.31	0.26	0.21	0.17	
0.50	0.50	0.20	0.91	0.73	0.62	0.53	0.42	0.38	0.29	0.22	0.18	
	0.30		0.77	0.64	0.54	0.48	0.38	0.32	0.27	0.21	0.17	
	0.20		0.67	0.56	0.49	0.43	0.35	0.29	0.25	0.20	0.17	
0.30	0.50	0.20	0.88	0.70	0.59	0.51	0.40	0.32	0.27	0.21	0.17	
	0.30		0.75	0.62	0.53	0.46	0.36	0.30	0.26	0.20	0.16	
	0.20		0.66	0.55	0.48	0.42	0.34	0.28	0.24	0.19	0.16	
0.00	0.00	0.00	0.55	0.45	0.38	0.33	0.26	0.21	0.18	0.14	0.11	
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 = 1.25									
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	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.06	0.08	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
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		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.20	0.21	0.21	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
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	11.9	0.0	0.0	0.04	0.04
1.0-2.0	11.9	0.0	0.0	0.11	0.15
2.0-3.0	11.9	0.1	0.1	0.18	0.33
3.0-4.0	11.9	0.1	0.2	0.26	0.59
4.0-5.0	11.9	0.1	0.3	0.33	0.92
5.0-6.0	11.9	0.1	0.4	0.40	1.32
6.0-7.0	11.9	0.1	0.6	0.47	1.79
7.0-8.0	11.8	0.2	0.7	0.54	2.34
8.0-9.0	11.8	0.2	0.9	0.61	2.95
9.0-10.0	11.7	0.2	1.1	0.68	3.64
10.0-11.0	11.7	0.2	1.4	0.75	4.39
11.0-12.0	11.6	0.3	1.6	0.82	5.21
12.0-13.0	11.6	0.3	1.9	0.89	6.09
13.0-14.0	11.5	0.3	2.2	0.95	7.04
14.0-15.0	11.5	0.3	2.5	1.01	8.06
15.0-16.0	11.4	0.3	2.8	1.07	9.13
16.0-17.0	11.3	0.4	3.2	1.14	10.27
17.0-18.0	11.3	0.4	3.6	1.20	11.46
18.0-19.0	11.2	0.4	3.9	1.25	12.72
19.0-20.0	11.1	0.4	4.4	1.31	14.02
20.0-21.0	11.0	0.4	4.8	1.36	15.39
21.0-22.0	11.0	0.4	5.2	1.42	16.81
22.0-23.0	10.9	0.5	5.7	1.47	18.28
23.0-24.0	10.8	0.5	6.1	1.52	19.79
24.0-25.0	10.7	0.5	6.6	1.56	21.36
25.0-26.0	10.6	0.5	7.1	1.61	22.97
26.0-27.0	10.5	0.5	7.6	1.65	24.62
27.0-28.0	10.3	0.5	8.2	1.69	26.30
28.0-29.0	10.2	0.5	8.7	1.72	28.03
29.0-30.0	10.1	0.5	9.2	1.76	29.78
30.0-31.0	10.0	0.6	9.8	1.79	31.57
31.0-32.0	9.9	0.6	10.4	1.82	33.39
32.0-33.0	9.7	0.6	10.9	1.85	35.24
33.0-34.0	9.6	0.6	11.5	1.87	37.10
34.0-35.0	9.4	0.6	12.1	1.89	38.99
35.0-36.0	9.3	0.6	12.7	1.91	40.90

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	9.1	0.6	13.3	1.92	42.82
37.0-38.0	9.0	0.6	13.9	1.93	44.75
38.0-39.0	8.8	0.6	14.5	1.94	46.69
39.0-40.0	8.7	0.6	15.1	1.95	48.64
40.0-41.0	8.5	0.6	15.7	1.95	50.59
41.0-42.0	8.3	0.6	16.3	1.95	52.54
42.0-43.0	8.1	0.6	16.9	1.94	54.49
43.0-44.0	8.0	0.6	17.5	1.94	56.42
44.0-45.0	7.8	0.6	18.1	1.93	58.35
45.0-46.0	7.6	0.6	18.7	1.91	60.26
46.0-47.0	7.4	0.6	19.3	1.89	62.16
47.0-48.0	7.2	0.6	19.9	1.88	64.03
48.0-49.0	7.0	0.6	20.5	1.86	65.89
49.0-50.0	6.8	0.6	21.0	1.83	67.72
50.0-51.0	6.6	0.6	21.6	1.80	69.52
51.0-52.0	6.4	0.5	22.1	1.77	71.28
52.0-53.0	6.2	0.5	22.7	1.73	73.01
53.0-54.0	5.9	0.5	23.2	1.69	74.70
54.0-55.0	5.7	0.5	23.7	1.64	76.34
55.0-56.0	5.5	0.5	24.2	1.60	77.94
56.0-57.0	5.3	0.5	24.7	1.55	79.49
57.0-58.0	5.0	0.5	25.1	1.49	80.98
58.0-59.0	4.8	0.4	25.6	1.44	82.42
59.0-60.0	4.5	0.4	26.0	1.38	83.80
60.0-61.0	4.3	0.4	26.4	1.32	85.12
61.0-62.0	4.1	0.4	26.8	1.26	86.38
62.0-63.0	3.8	0.4	27.2	1.19	87.57
63.0-64.0	3.6	0.3	27.5	1.12	88.69
64.0-65.0	3.3	0.3	27.9	1.06	89.75
65.0-66.0	3.1	0.3	28.2	0.99	90.74
66.0-67.0	2.8	0.3	28.5	0.92	91.66
67.0-68.0	2.6	0.3	28.7	0.84	92.50
68.0-69.0	2.3	0.2	29.0	0.77	93.28
69.0-70.0	2.1	0.2	29.2	0.70	93.98
70.0-71.0	1.9	0.2	29.4	0.63	94.61
71.0-72.0	1.7	0.2	29.5	0.56	95.17

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	1.5	0.2	29.7	0.50	95.66
73.0-74.0	1.3	0.1	29.8	0.43	96.09
74.0-75.0	1.1	0.1	29.9	0.38	96.47
75.0-76.0	1.0	0.1	30.0	0.33	96.80
76.0-77.0	0.8	0.1	30.1	0.28	97.07
77.0-78.0	0.7	0.1	30.2	0.23	97.31
78.0-79.0	0.6	0.1	30.3	0.20	97.51
79.0-80.0	0.5	0.1	30.3	0.16	97.67
80.0-81.0	0.4	0.0	30.4	0.13	97.80
81.0-82.0	0.3	0.0	30.4	0.11	97.92
82.0-83.0	0.3	0.0	30.4	0.09	98.01
83.0-84.0	0.2	0.0	30.4	0.07	98.08
84.0-85.0	0.2	0.0	30.5	0.06	98.14
85.0-86.0	0.1	0.0	30.5	0.05	98.18
86.0-87.0	0.1	0.0	30.5	0.04	98.22
87.0-88.0	0.1	0.0	30.5	0.03	98.25
88.0-89.0	0.1	0.0	30.5	0.02	98.27
89.0-90.0	0.1	0.0	30.5	0.02	98.29
90.0-91.0	0.1	0.0	30.5	0.02	98.32
91.0-92.0	0.1	0.0	30.5	0.02	98.34
92.0-93.0	0.1	0.0	30.5	0.02	98.37
93.0-94.0	0.1	0.0	30.5	0.03	98.39
94.0-95.0	0.1	0.0	30.5	0.02	98.42
95.0-96.0	0.1	0.0	30.6	0.03	98.44
96.0-97.0	0.1	0.0	30.6	0.03	98.48
97.0-98.0	0.1	0.0	30.6	0.03	98.51
98.0-99.0	0.1	0.0	30.6	0.03	98.54
99.0-100.0	0.1	0.0	30.6	0.03	98.57
100.0-101.0	0.1	0.0	30.6	0.04	98.60
101.0-102.0	0.1	0.0	30.6	0.04	98.64
102.0-103.0	0.1	0.0	30.6	0.03	98.67
103.0-104.0	0.1	0.0	30.6	0.04	98.71
104.0-105.0	0.1	0.0	30.7	0.04	98.74
105.0-106.0	0.1	0.0	30.7	0.04	98.78
106.0-107.0	0.1	0.0	30.7	0.03	98.81
107.0-108.0	0.1	0.0	30.7	0.03	98.85

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	30.7	0.03	98.88
109.0-110.0	0.1	0.0	30.7	0.03	98.91
110.0-111.0	0.1	0.0	30.7	0.03	98.94
111.0-112.0	0.1	0.0	30.7	0.03	98.97
112.0-113.0	0.1	0.0	30.7	0.03	99.00
113.0-114.0	0.1	0.0	30.7	0.03	99.03
114.0-115.0	0.1	0.0	30.7	0.03	99.06
115.0-116.0	0.1	0.0	30.8	0.02	99.08
116.0-117.0	0.1	0.0	30.8	0.02	99.10
117.0-118.0	0.1	0.0	30.8	0.02	99.13
118.0-119.0	0.1	0.0	30.8	0.02	99.15
119.0-120.0	0.1	0.0	30.8	0.02	99.17
120.0-121.0	0.1	0.0	30.8	0.02	99.19
121.0-122.0	0.1	0.0	30.8	0.02	99.21
122.0-123.0	0.1	0.0	30.8	0.02	99.23
123.0-124.0	0.1	0.0	30.8	0.02	99.26
124.0-125.0	0.1	0.0	30.8	0.02	99.28
125.0-126.0	0.1	0.0	30.8	0.02	99.30
126.0-127.0	0.1	0.0	30.8	0.02	99.32
127.0-128.0	0.1	0.0	30.8	0.02	99.34
128.0-129.0	0.1	0.0	30.8	0.02	99.36
129.0-130.0	0.1	0.0	30.8	0.02	99.38
130.0-131.0	0.1	0.0	30.9	0.02	99.40
131.0-132.0	0.1	0.0	30.9	0.02	99.43
132.0-133.0	0.1	0.0	30.9	0.02	99.45
133.0-134.0	0.1	0.0	30.9	0.02	99.47
134.0-135.0	0.1	0.0	30.9	0.02	99.49
135.0-136.0	0.1	0.0	30.9	0.02	99.51
136.0-137.0	0.1	0.0	30.9	0.02	99.53
137.0-138.0	0.1	0.0	30.9	0.02	99.54
138.0-139.0	0.1	0.0	30.9	0.02	99.56
139.0-140.0	0.1	0.0	30.9	0.02	99.58
140.0-141.0	0.1	0.0	30.9	0.02	99.60
141.0-142.0	0.1	0.0	30.9	0.02	99.63
142.0-143.0	0.1	0.0	30.9	0.02	99.65
143.0-144.0	0.1	0.0	30.9	0.02	99.67

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	0.1	0.0	30.9	0.02	99.69
145.0-146.0	0.1	0.0	30.9	0.02	99.70
146.0-147.0	0.1	0.0	31.0	0.02	99.72
147.0-148.0	0.1	0.0	31.0	0.02	99.74
148.0-149.0	0.1	0.0	31.0	0.02	99.75
149.0-150.0	0.1	0.0	31.0	0.02	99.77
150.0-151.0	0.1	0.0	31.0	0.02	99.79
151.0-152.0	0.1	0.0	31.0	0.01	99.80
152.0-153.0	0.1	0.0	31.0	0.01	99.81
153.0-154.0	0.1	0.0	31.0	0.01	99.83
154.0-155.0	0.1	0.0	31.0	0.01	99.84
155.0-156.0	0.1	0.0	31.0	0.01	99.86
156.0-157.0	0.1	0.0	31.0	0.01	99.87
157.0-158.0	0.1	0.0	31.0	0.01	99.88
158.0-159.0	0.1	0.0	31.0	0.01	99.89
159.0-160.0	0.1	0.0	31.0	0.01	99.90
160.0-161.0	0.1	0.0	31.0	0.01	99.91
161.0-162.0	0.1	0.0	31.0	0.01	99.92
162.0-163.0	0.1	0.0	31.0	0.01	99.92
163.0-164.0	0.1	0.0	31.0	0.01	99.93
164.0-165.0	0.1	0.0	31.0	0.01	99.94
165.0-166.0	0.1	0.0	31.0	0.01	99.95
166.0-167.0	0.1	0.0	31.0	0.01	99.95
167.0-168.0	0.1	0.0	31.0	0.01	99.96
168.0-169.0	0.1	0.0	31.0	0.01	99.97
169.0-170.0	0.1	0.0	31.0	0.01	99.97
170.0-171.0	0.1	0.0	31.0	0.01	99.98
171.0-172.0	0.1	0.0	31.0	0.00	99.98
172.0-173.0	0.1	0.0	31.0	0.00	99.99
173.0-174.0	0.1	0.0	31.0	0.00	99.99
174.0-175.0	0.1	0.0	31.0	0.00	99.99
175.0-176.0	0.1	0.0	31.0	0.00	100.00
176.0-177.0	0.1	0.0	31.0	0.00	100.00
177.0-178.0	0.1	0.0	31.0	0.00	100.00
178.0-179.0	0.1	0.0	31.0	0.00	100.00
179.0-180.0	0.1	0.0	31.0	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: