

Report No.:

Test Time: 2023/8/29 11:31

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAR1F90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 22.9

Luminous Height (mm): 7.87

Voltage: 24.0 V

Current: 0.205 A

Power: 4.94 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 439.8 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H150.8,H101.9

Vertical Diffuse Angle(10%,50%): V150.3,V91

Luminaire Efficacy Rating (LER): 89

Max. Intensity: 183.87 cd

Total Rated Lamp Lumens: 439.8 lm

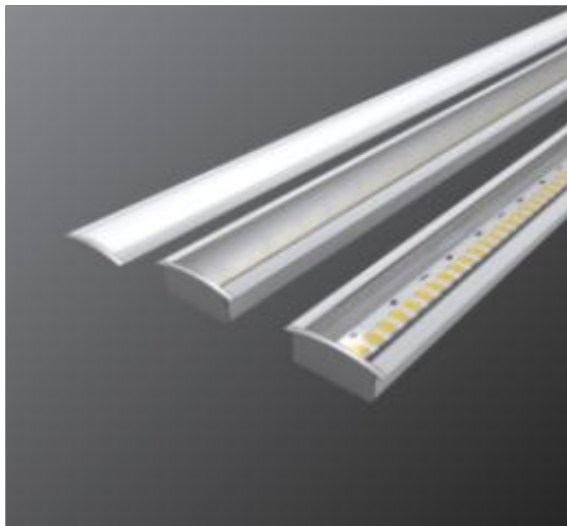
Efficiency: 100%

Upward Ratio: 1%

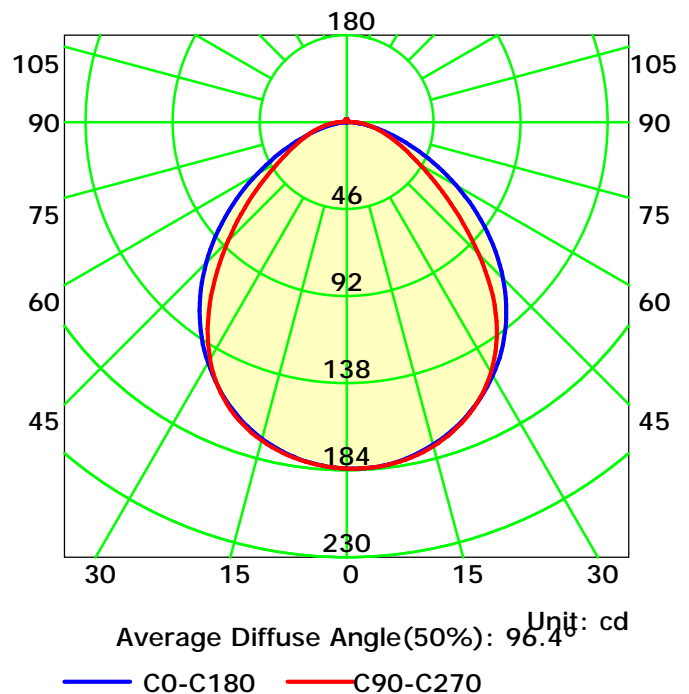
Central Intensity: 183.74 cd

Pos of Max. Intensity: H120 V1

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

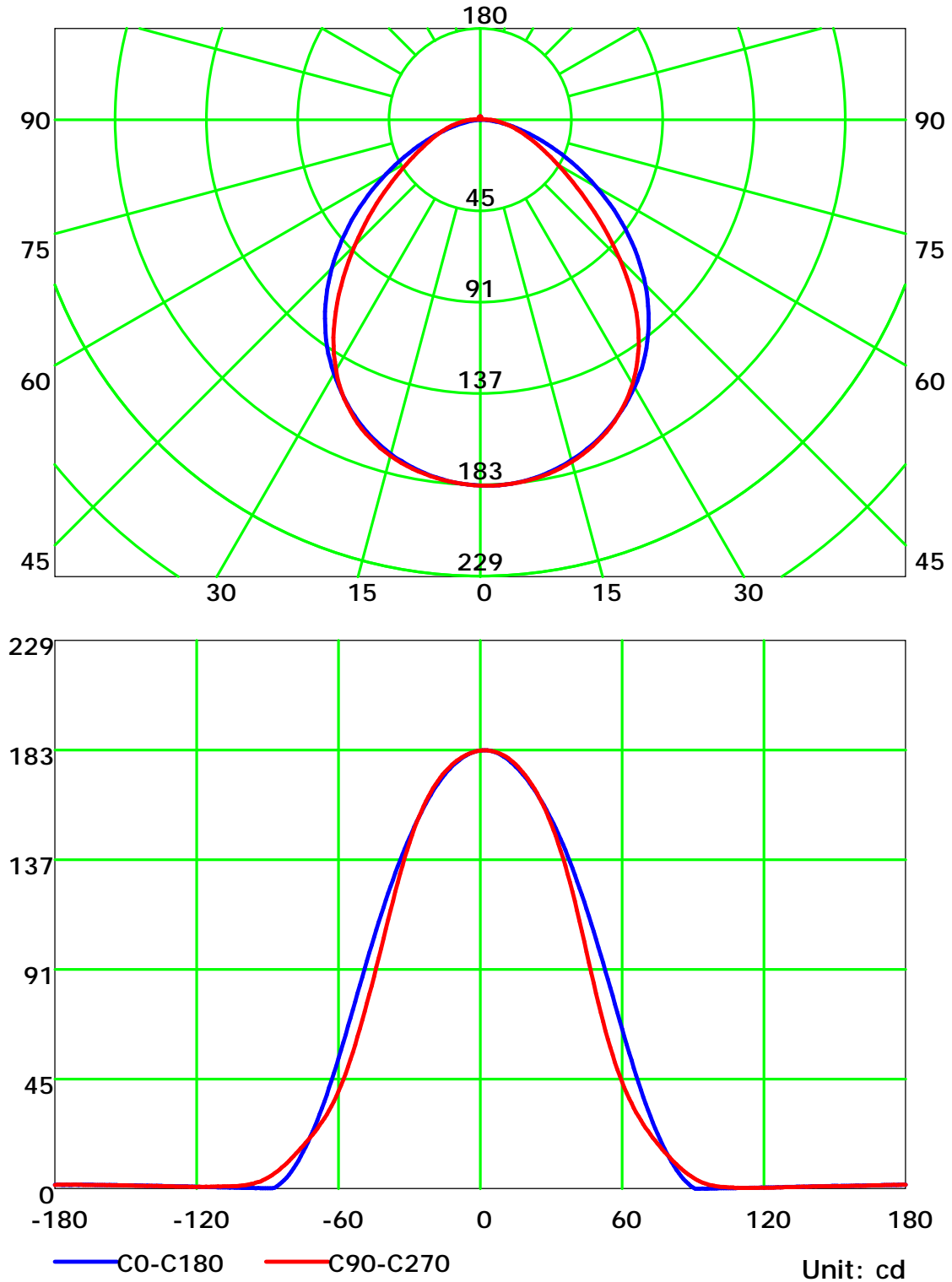
Distance: 9.028 m

Humidity: 60%

Inspector:



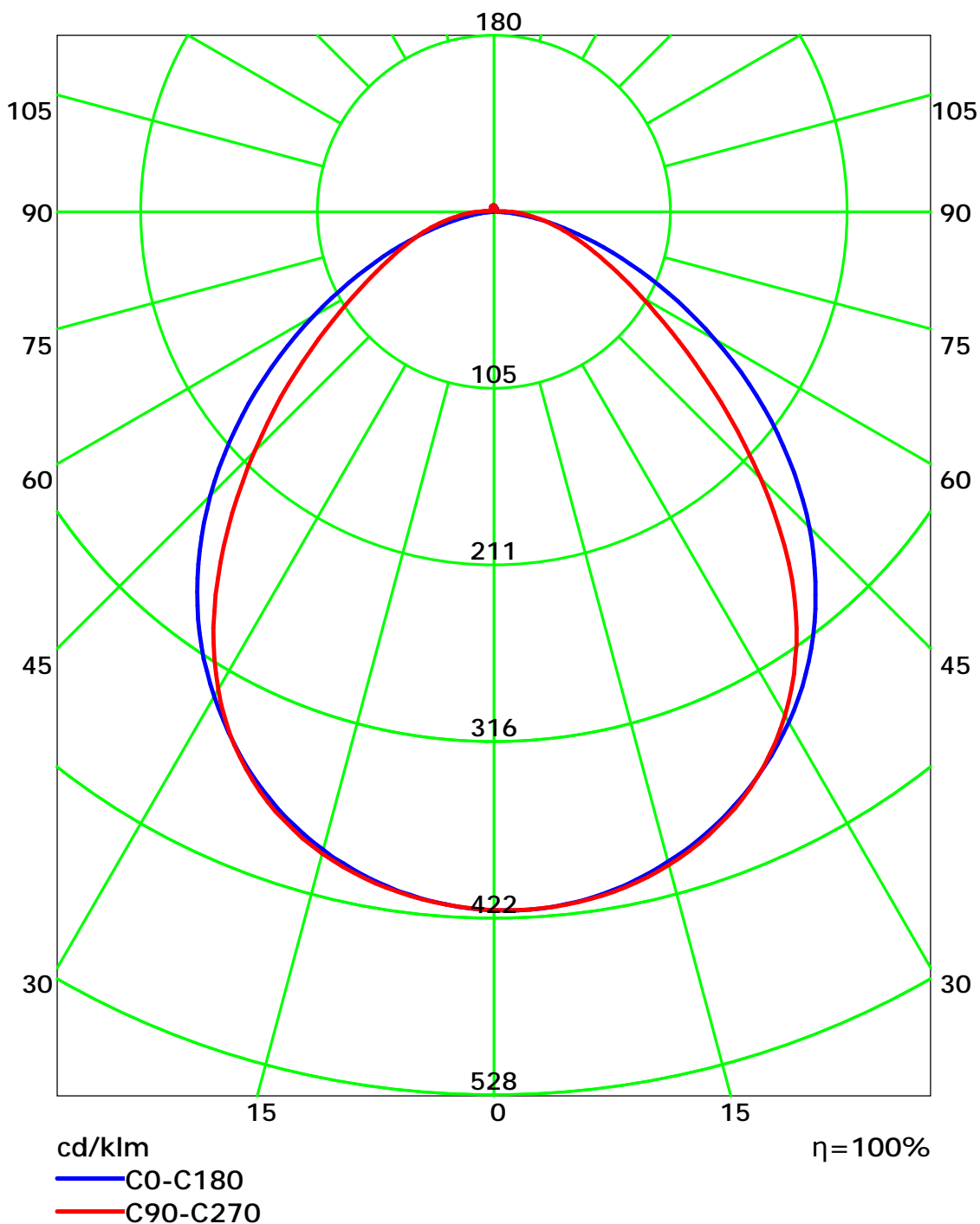
Luminous Intensity Distribution Curve



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:

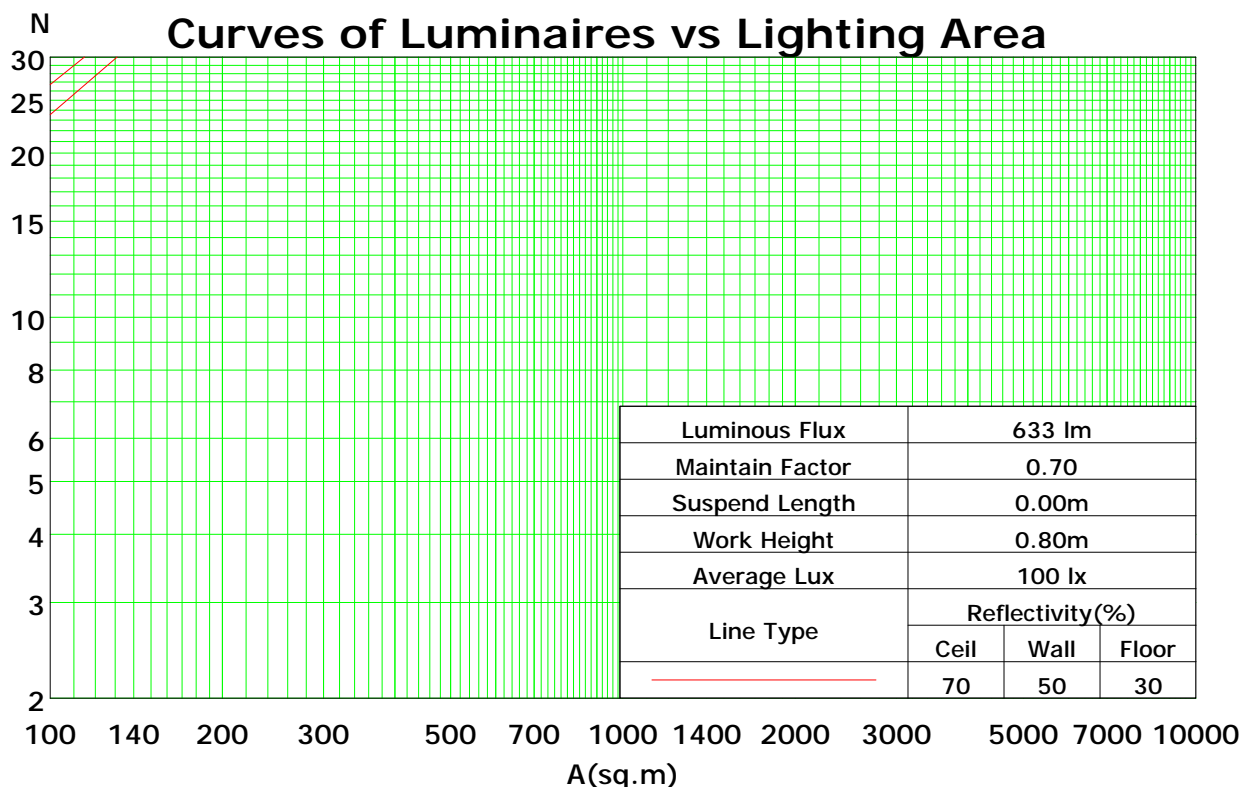
Coefficients Of Utilization - Zonal Cavity Method

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	101	101	101	99
1	109	105	101	98	107	103	99	96	98	95	93	94	92	89	90	88	87	84
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	80	77	74	72
3	92	82	75	69	90	81	74	68	77	72	67	75	70	65	72	68	64	62
4	85	74	65	59	82	72	65	59	70	63	58	67	61	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.29



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

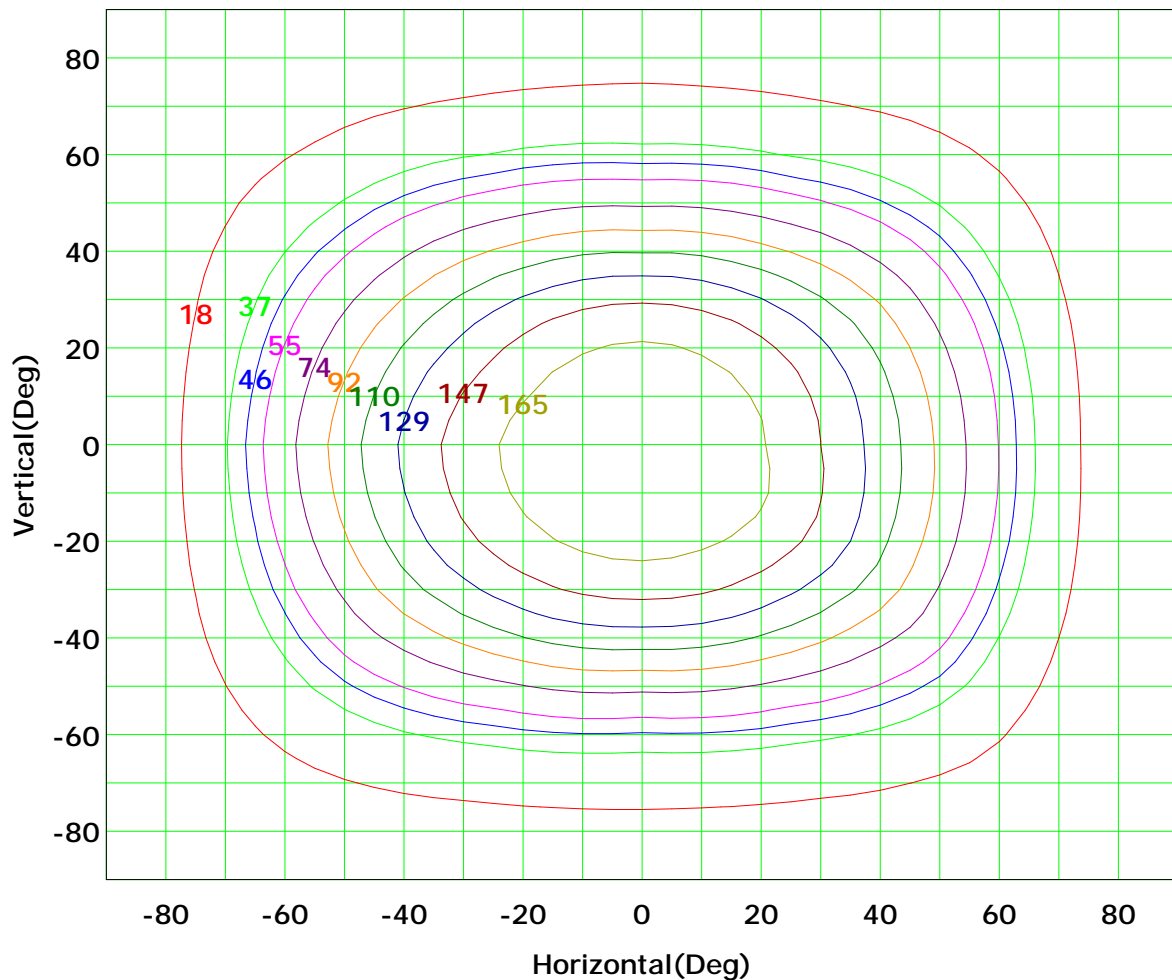
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



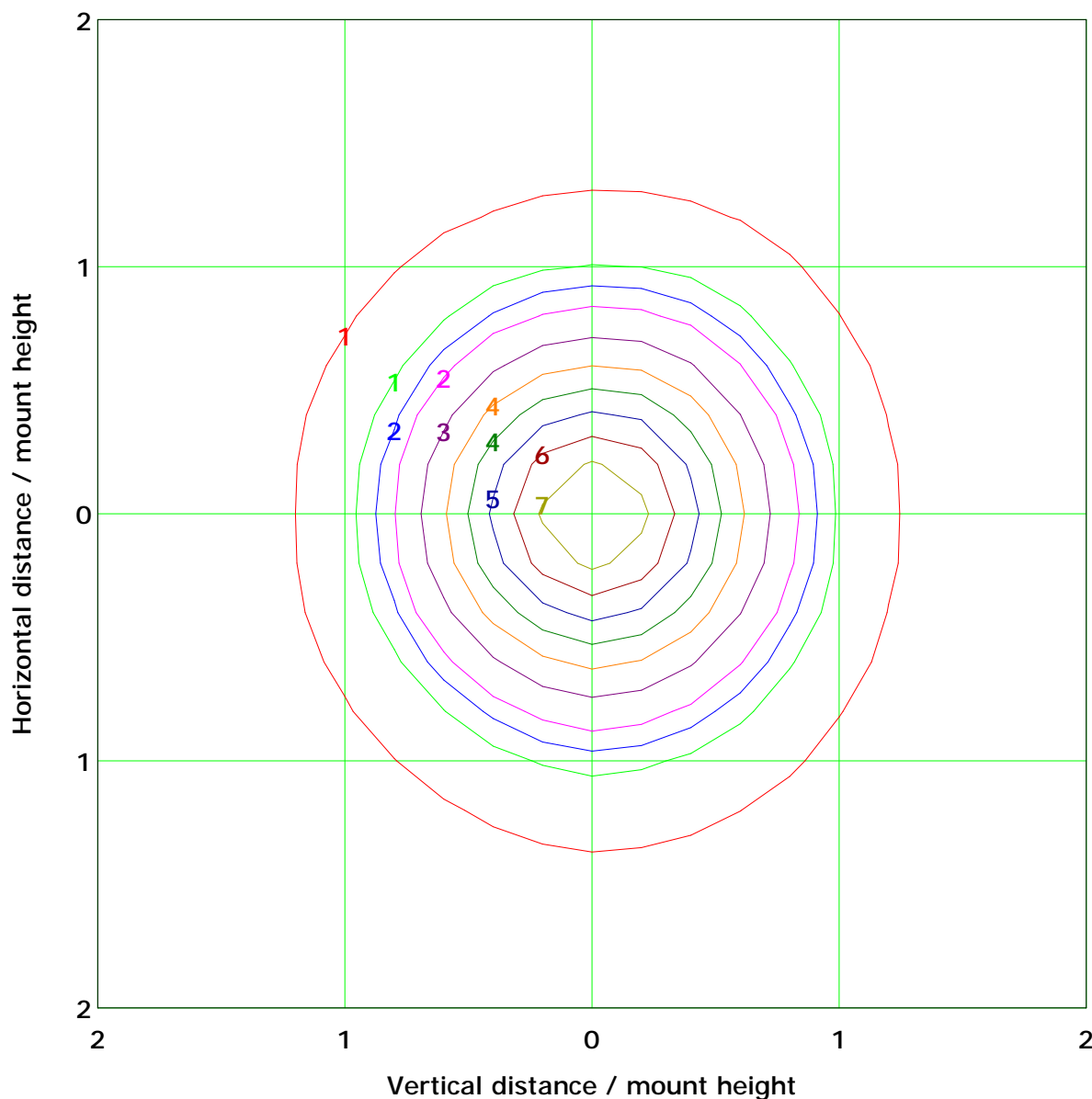
I_{max} (100%): 184 cd

(10%):	18 cd	(20%):	37 cd
(25%):	46 cd	(30%):	55 cd
(40%):	74 cd	(50%):	92 cd
(60%):	110 cd	(70%):	129 cd
(80%):	147 cd	(90%):	165 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%): 7.4 lx

(10%): 0.7 lx	(20%): 1.5 lx
(25%): 1.8 lx	(30%): 2.2 lx
(40%): 2.9 lx	(50%): 3.7 lx
(60%): 4.4 lx	(70%): 5.1 lx
(80%): 5.9 lx	(90%): 6.6 lx

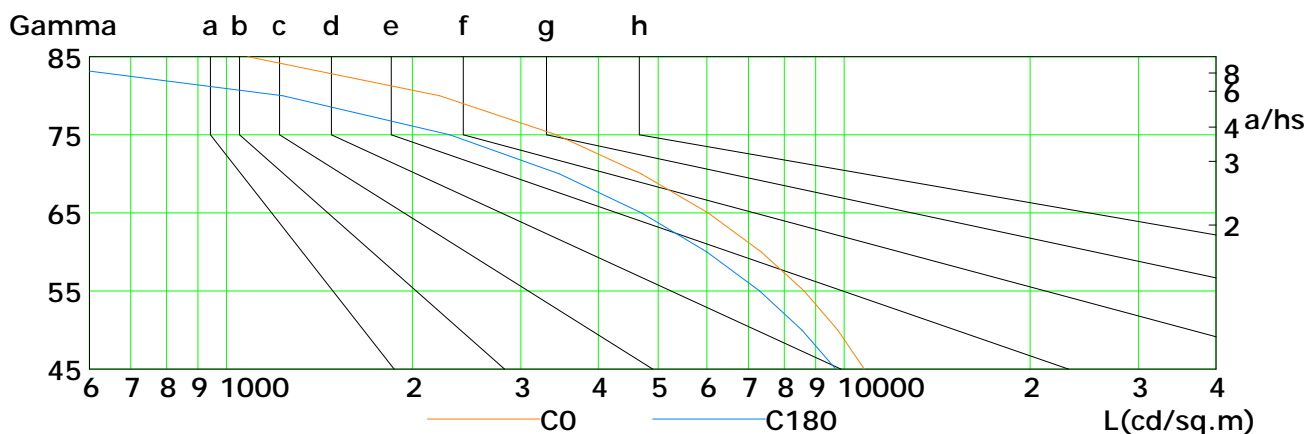
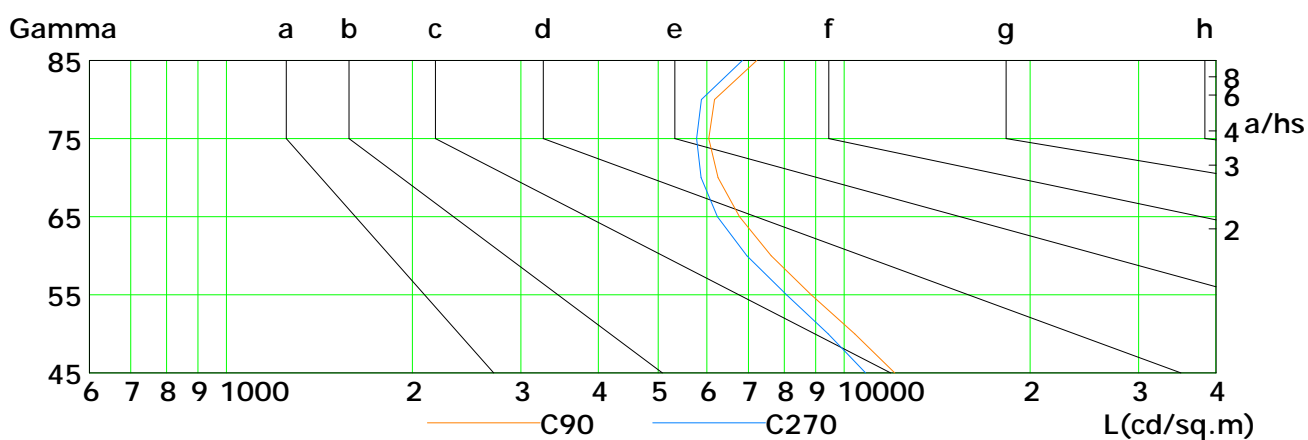
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Nick

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



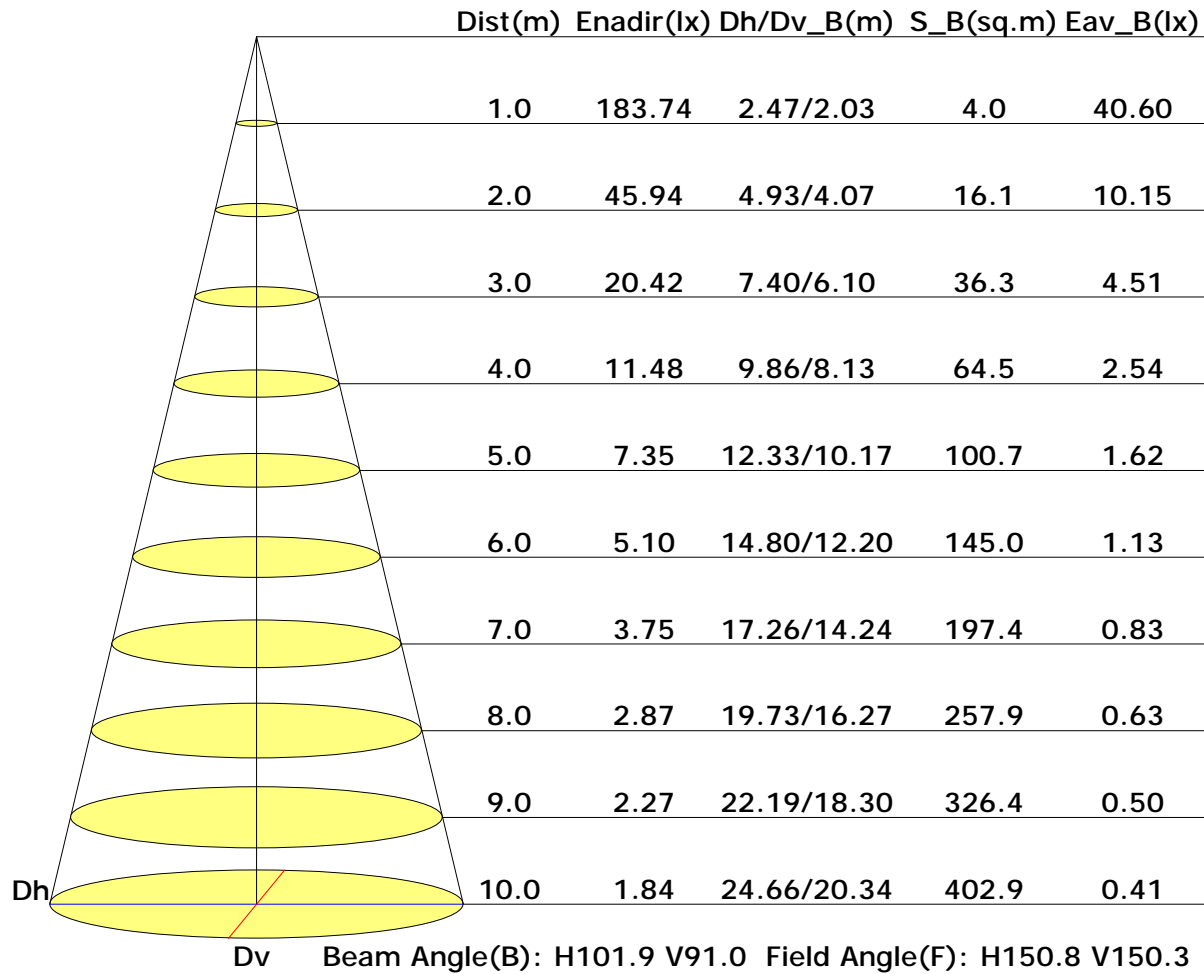
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	10785	9765	8620	7348	6028	4695	3424	2214	1084
C90	12077	10403	8847	7619	6777	6254	6040	6169	7227
C180	9704	8548	7306	5999	4701	3461	2302	1235	397
C270	10832	9423	8074	6960	6239	5872	5772	5873	6845

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

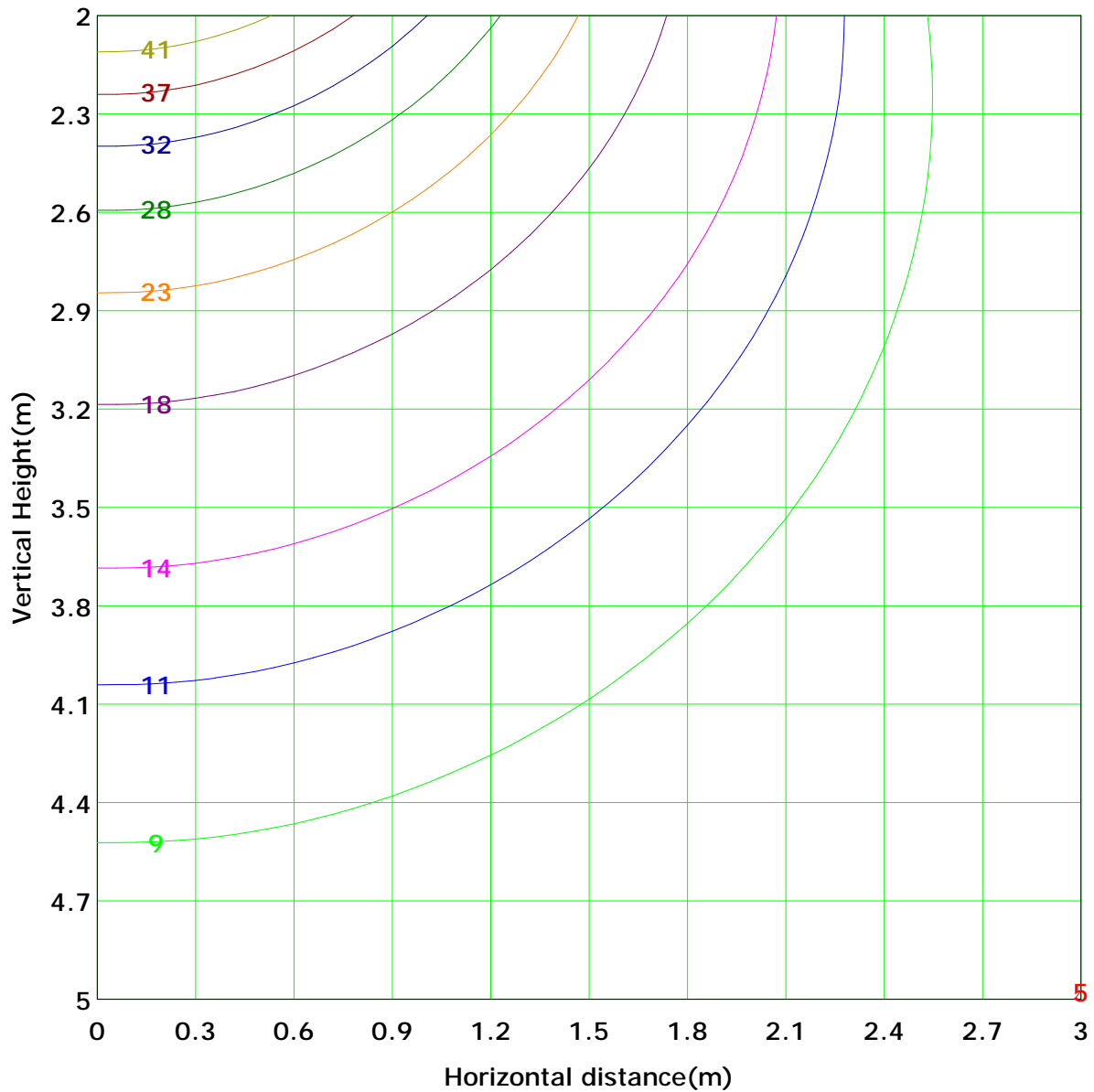
Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 45.9 lx
(10%): 4.6 lx	(20%): 9.2 lx	
(25%): 11.5 lx	(30%): 13.8 lx	
(40%): 18.4 lx	(50%): 23.0 lx	
(60%): 27.6 lx	(70%): 32.2 lx	
(80%): 36.7 lx	(90%): 41.3 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:

Area Flux Table

Unit: lm

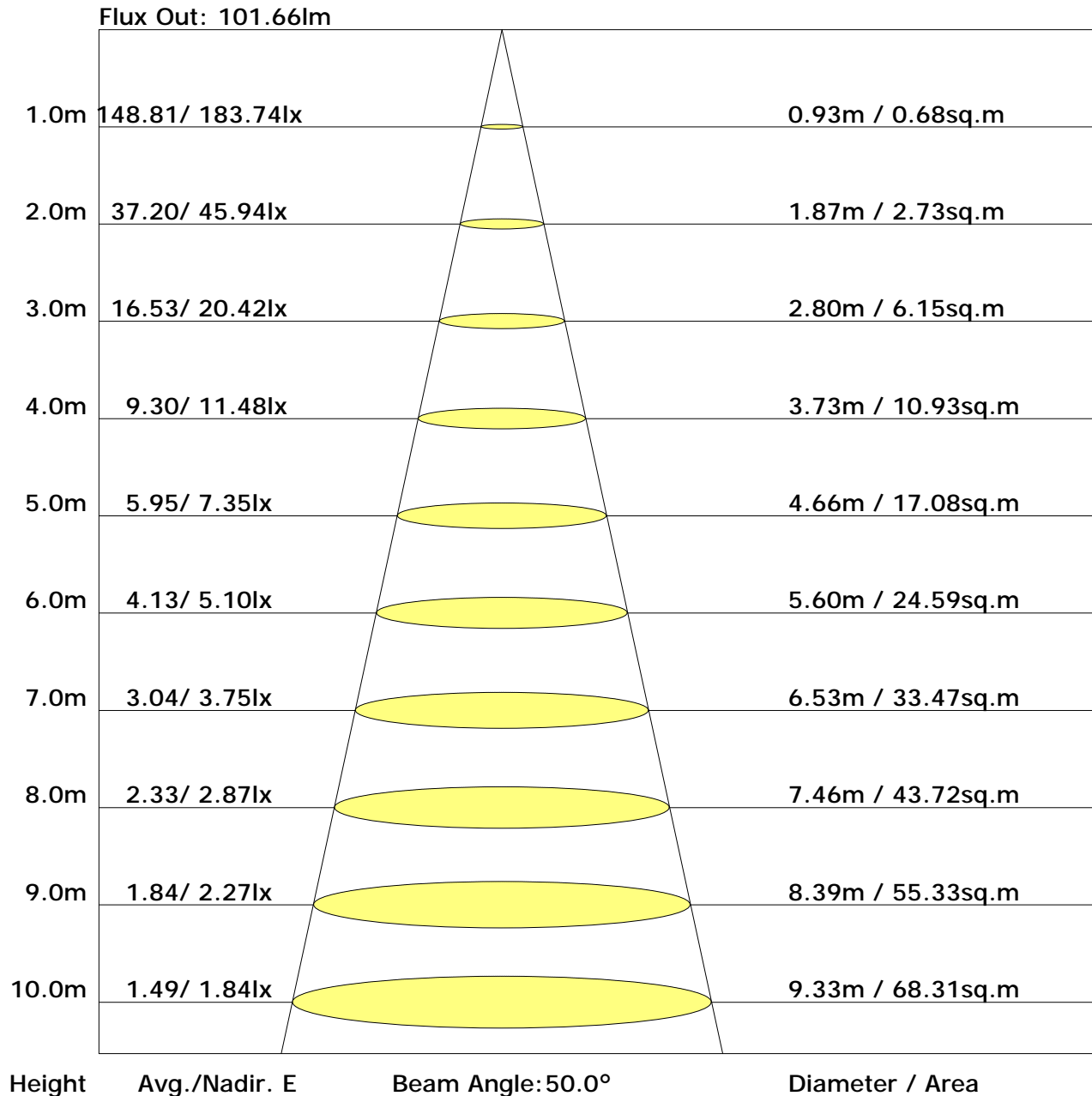
	Orbit: int																			Flux(TB)flux(E)	418
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80			
Vertical plane	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.0		
-80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.0	4.6		
-70	0.0	0.0	0.1	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.5	0.3	0.1	0.1	0.0	8.4		
-60	0.0	0.1	0.2	0.4	0.7	1.0	1.3	1.5	1.7	1.7	1.6	1.4	1.1	0.8	0.5	0.2	0.1	0.0	14.2		
-50	0.0	0.1	0.3	0.6	1.1	1.6	2.1	2.5	2.7	2.7	2.5	2.1	1.6	1.1	0.7	0.3	0.1	0.0	22.2		
-40	0.0	0.1	0.4	0.8	1.5	2.2	2.9	3.5	3.9	3.9	3.6	3.0	2.3	1.5	0.9	0.4	0.1	0.0	31.0		
-30	0.0	0.1	0.4	1.0	1.8	2.8	3.7	4.4	4.7	4.7	4.4	3.7	2.8	1.9	1.1	0.5	0.2	0.0	38.4		
-20	0.0	0.1	0.5	1.2	2.1	3.1	4.1	4.8	5.2	5.2	4.8	4.2	3.3	2.3	1.3	0.6	0.2	0.0	43.1		
-10	0.0	0.1	0.5	1.2	2.2	3.3	4.3	5.1	5.5	5.5	5.1	4.4	3.5	2.5	1.4	0.7	0.2	0.0	45.6		
0	0.0	0.1	0.5	1.3	2.3	3.4	4.4	5.1	5.5	5.5	5.2	4.5	3.6	2.5	1.5	0.7	0.2	0.0	46.2		
10	0.0	0.1	0.5	1.2	2.2	3.3	4.3	5.0	5.3	5.4	5.0	4.3	3.4	2.4	1.4	0.6	0.2	0.0	44.6		
20	0.0	0.1	0.5	1.1	2.0	3.0	3.9	4.6	4.9	4.9	4.6	3.9	3.1	2.1	1.2	0.5	0.2	0.0	40.7		
30	0.0	0.1	0.4	0.9	1.7	2.5	3.2	3.8	4.2	4.2	3.9	3.3	2.5	1.7	1.0	0.5	0.1	0.0	34.1		
40	0.0	0.1	0.3	0.7	1.3	1.8	2.3	2.8	3.0	3.0	2.8	2.4	1.9	1.3	0.8	0.4	0.1	0.0	25.0		
50	0.0	0.1	0.2	0.5	0.9	1.2	1.5	1.7	1.8	1.8	1.7	1.5	1.2	0.9	0.6	0.3	0.1	0.0	16.0		
60	0.0	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.0	1.1	1.0	0.9	0.7	0.6	0.4	0.2	0.1	0.0	9.5		
70	0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	5.3		
80	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	2.3		
90	0.1	1.4	5.2	12.1	21.5	31.7	41.0	48.2	52.1	52.2	48.6	41.7	32.8	22.8	13.5	6.3	2.0	0.2	433		
Flux(E)	0.0	0.4	4.3	11.3	20.7	30.8	40.0	47.2	51.1	51.2	47.6	40.7	31.9	22.0	12.7	5.5	1.1	0.0			
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90			
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
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	22.8	24.3	23.2	24.6	25.0	20.2	21.7	20.6	22.1	22.4
3H	24.2	25.5	24.6	25.9	26.3	21.3	22.7	21.8	23.1	23.5
4H	24.7	25.9	25.1	26.3	26.7	21.8	23.0	22.2	23.4	23.8
6H	25.0	26.2	25.4	26.5	27.0	22.1	23.2	22.5	23.6	24.1
8H	25.1	26.2	25.5	26.6	27.0	22.2	23.3	22.6	23.7	24.2
12H	25.1	26.2	25.6	26.6	27.1	22.3	23.3	22.7	23.7	24.2
X=4H Y=2H	23.0	24.2	23.4	24.6	25.0	20.9	22.2	21.3	22.5	23.0
3H	24.5	25.6	25.0	26.0	26.5	22.2	23.2	22.6	23.6	24.1
4H	25.1	26.1	25.6	26.5	27.0	22.7	23.6	23.1	24.1	24.5
6H	25.5	26.4	26.0	26.8	27.3	23.1	23.9	23.6	24.4	24.9
8H	25.7	26.4	26.1	26.9	27.4	23.2	24.0	23.7	24.5	25.0
12H	25.7	26.4	26.2	26.9	27.4	23.4	24.0	23.9	24.5	25.1
X=8H Y=4H	25.2	25.9	25.7	26.4	26.9	23.0	23.7	23.4	24.2	24.7
6H	25.6	26.3	26.2	26.8	27.3	23.4	24.1	24.0	24.6	25.1
8H	25.8	26.4	26.3	26.9	27.4	23.7	24.2	24.2	24.8	25.3
12H	25.9	26.4	26.5	27.0	27.6	23.9	24.4	24.4	24.9	25.5
X=12H Y=4H	25.2	25.8	25.7	26.4	26.9	23.0	23.7	23.5	24.2	24.7
6H	25.6	26.2	26.2	26.7	27.3	23.5	24.1	24.1	24.6	25.2
8H	25.8	26.3	26.4	26.9	27.4	23.8	24.3	24.3	24.8	25.4

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 = 1.25								
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	0.61	0.72	0.78	0.83	0.90	0.95	0.98	1.02	1.04
	0.30		0.54	0.65	0.72	0.77	0.84	0.90	0.93	0.98	1.01
	0.20		0.49	0.59	0.67	0.72	0.80	0.85	0.89	0.95	0.98
0.50	0.50	0.20	0.60	0.69	0.76	0.81	0.87	0.91	0.94	0.98	1.00
	0.30		0.53	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.97
	0.20		0.49	0.59	0.66	0.71	0.78	0.83	0.87	0.92	0.95
0.30	0.50	0.20	0.58	0.67	0.74	0.78	0.84	0.88	0.90	0.94	0.96
	0.30		0.53	0.62	0.69	0.73	0.80	0.84	0.87	0.91	0.94
	0.20		0.48	0.58	0.65	0.70	0.76	0.81	0.84	0.89	0.92
0.00	0.00	0.00	0.46	0.55	0.62	0.66	0.73	0.77	0.80	0.84	0.87
Rating:5W 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	0.92	0.75	0.63	0.55	0.44	0.36	0.31	0.24	0.20	
	0.30		0.77	0.64	0.55	0.49	0.40	0.33	0.29	0.23	0.19	
	0.20		0.66	0.56	0.49	0.44	0.36	0.31	0.27	0.21	0.18	
0.50	0.50	0.20	0.88	0.72	0.60	0.52	0.41	0.38	0.29	0.23	0.18	
	0.30		0.75	0.62	0.53	0.47	0.38	0.32	0.27	0.21	0.18	
	0.20		0.65	0.55	0.48	0.42	0.35	0.30	0.26	0.20	0.17	
0.30	0.50	0.20	0.85	0.68	0.58	0.50	0.39	0.32	0.28	0.21	0.18	
	0.30		0.73	0.60	0.52	0.45	0.36	0.30	0.26	0.20	0.17	
	0.20		0.64	0.54	0.47	0.41	0.34	0.29	0.25	0.20	0.16	
0.00	0.00	0.00	0.53	0.43	0.37	0.32	0.26	0.22	0.19	0.14	0.12	
Rating:5W 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	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21
	0.20		0.06	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.18
0.50	0.50	0.20	0.16	0.18	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.17	0.18	0.19
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	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:5W 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	183.7	0.2	0.2	0.04	0.04
1.0-2.0	183.6	0.5	0.7	0.12	0.16
2.0-3.0	183.5	0.9	1.6	0.20	0.36
3.0-4.0	183.3	1.2	2.8	0.28	0.64
4.0-5.0	183.0	1.6	4.4	0.36	1.00
5.0-6.0	182.7	1.9	6.3	0.44	1.43
6.0-7.0	182.2	2.3	8.6	0.51	1.95
7.0-8.0	181.8	2.6	11.2	0.59	2.54
8.0-9.0	181.2	2.9	14.1	0.67	3.21
9.0-10.0	180.6	3.3	17.4	0.74	3.95
10.0-11.0	179.9	3.6	21.0	0.82	4.77
11.0-12.0	179.1	3.9	24.9	0.89	5.66
12.0-13.0	178.3	4.2	29.1	0.96	6.62
13.0-14.0	177.3	4.5	33.7	1.03	7.65
14.0-15.0	176.3	4.8	38.5	1.10	8.75
15.0-16.0	175.3	5.1	43.6	1.17	9.92
16.0-17.0	174.2	5.4	49.1	1.23	11.15
17.0-18.0	172.9	5.7	54.8	1.30	12.45
18.0-19.0	171.6	6.0	60.7	1.36	13.81
19.0-20.0	170.3	6.2	67.0	1.42	15.23
20.0-21.0	168.8	6.5	73.4	1.47	16.70
21.0-22.0	167.3	6.7	80.2	1.53	18.23
22.0-23.0	165.6	7.0	87.1	1.58	19.81
23.0-24.0	163.9	7.2	94.3	1.63	21.44
24.0-25.0	162.1	7.4	101.7	1.68	23.12
25.0-26.0	160.2	7.6	109.2	1.72	24.84
26.0-27.0	158.2	7.7	117.0	1.76	26.60
27.0-28.0	156.1	7.9	124.9	1.80	28.39
28.0-29.0	153.9	8.1	132.9	1.83	30.22
29.0-30.0	151.6	8.2	141.1	1.86	32.09
30.0-31.0	149.2	8.3	149.4	1.89	33.97
31.0-32.0	146.7	8.4	157.8	1.91	35.89
32.0-33.0	144.1	8.5	166.3	1.93	37.82
33.0-34.0	141.4	8.6	174.9	1.95	39.76
34.0-35.0	138.6	8.6	183.5	1.96	41.72
35.0-36.0	135.7	8.6	192.1	1.96	43.68

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	132.6	8.7	200.8	1.97	45.65
37.0-38.0	129.5	8.6	209.4	1.97	47.62
38.0-39.0	126.3	8.6	218.0	1.96	49.58
39.0-40.0	123.0	8.6	226.6	1.95	51.53
40.0-41.0	119.7	8.5	235.1	1.94	53.47
41.0-42.0	116.2	8.4	243.6	1.92	55.39
42.0-43.0	112.7	8.4	251.9	1.90	57.29
43.0-44.0	109.2	8.2	260.2	1.87	59.16
44.0-45.0	105.6	8.1	268.3	1.85	61.01
45.0-46.0	101.9	8.0	276.3	1.81	62.82
46.0-47.0	98.2	7.8	284.1	1.78	64.60
47.0-48.0	94.6	7.6	291.7	1.74	66.34
48.0-49.0	91.0	7.5	299.2	1.70	68.04
49.0-50.0	87.3	7.3	306.5	1.66	69.69
50.0-51.0	83.6	7.1	313.6	1.61	71.30
51.0-52.0	80.0	6.9	320.4	1.56	72.86
52.0-53.0	76.5	6.7	327.1	1.51	74.38
53.0-54.0	73.0	6.4	333.5	1.46	75.84
54.0-55.0	69.6	6.2	339.7	1.41	77.25
55.0-56.0	66.2	6.0	345.7	1.36	78.61
56.0-57.0	62.9	5.7	351.5	1.31	79.92
57.0-58.0	59.6	5.5	357.0	1.25	81.17
58.0-59.0	56.5	5.3	362.3	1.20	82.37
59.0-60.0	53.5	5.1	367.3	1.15	83.52
60.0-61.0	50.6	4.8	372.1	1.10	84.62
61.0-62.0	47.7	4.6	376.7	1.05	85.67
62.0-63.0	45.0	4.4	381.1	1.00	86.66
63.0-64.0	42.4	4.2	385.3	0.95	87.61
64.0-65.0	39.9	3.9	389.2	0.90	88.51
65.0-66.0	37.5	3.7	393.0	0.85	89.36
66.0-67.0	35.1	3.5	396.5	0.80	90.16
67.0-68.0	32.9	3.3	399.8	0.76	90.92
68.0-69.0	30.8	3.1	403.0	0.71	91.63
69.0-70.0	28.7	3.0	405.9	0.67	92.30
70.0-71.0	26.8	2.8	408.7	0.63	92.93
71.0-72.0	24.9	2.6	411.3	0.59	93.52

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	23.1	2.4	413.7	0.55	94.07
73.0-74.0	21.3	2.2	415.9	0.51	94.58
74.0-75.0	19.7	2.1	418.0	0.47	95.05
75.0-76.0	18.1	1.9	419.9	0.44	95.49
76.0-77.0	16.5	1.8	421.7	0.40	95.89
77.0-78.0	15.1	1.6	423.3	0.37	96.26
78.0-79.0	13.7	1.5	424.8	0.33	96.59
79.0-80.0	12.3	1.3	426.1	0.30	96.89
80.0-81.0	11.1	1.2	427.3	0.27	97.17
81.0-82.0	9.9	1.1	428.4	0.24	97.41
82.0-83.0	8.8	1.0	429.3	0.22	97.63
83.0-84.0	7.7	0.8	430.2	0.19	97.82
84.0-85.0	6.7	0.7	430.9	0.17	97.98
85.0-86.0	5.8	0.6	431.5	0.15	98.13
86.0-87.0	5.0	0.5	432.1	0.12	98.25
87.0-88.0	4.3	0.5	432.6	0.11	98.36
88.0-89.0	3.6	0.4	433.0	0.09	98.45
89.0-90.0	3.1	0.3	433.3	0.08	98.53
90.0-91.0	2.6	0.3	433.6	0.06	98.59
91.0-92.0	2.2	0.2	433.8	0.06	98.65
92.0-93.0	1.9	0.2	434.0	0.05	98.70
93.0-94.0	1.7	0.2	434.2	0.04	98.74
94.0-95.0	1.4	0.2	434.4	0.04	98.77
95.0-96.0	1.3	0.1	434.5	0.03	98.80
96.0-97.0	1.1	0.1	434.6	0.03	98.83
97.0-98.0	1.0	0.1	434.7	0.03	98.86
98.0-99.0	0.9	0.1	434.8	0.02	98.88
99.0-100.0	0.8	0.1	434.9	0.02	98.90
100.0-101.0	0.8	0.1	435.0	0.02	98.92
101.0-102.0	0.7	0.1	435.1	0.02	98.94
102.0-103.0	0.7	0.1	435.2	0.02	98.95
103.0-104.0	0.6	0.1	435.2	0.02	98.97
104.0-105.0	0.6	0.1	435.3	0.01	98.98
105.0-106.0	0.6	0.1	435.4	0.01	99.00
106.0-107.0	0.6	0.1	435.4	0.01	99.01
107.0-108.0	0.6	0.1	435.5	0.01	99.03

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	0.6	0.1	435.5	0.01	99.04
109.0-110.0	0.6	0.1	435.6	0.01	99.05
110.0-111.0	0.6	0.1	435.7	0.01	99.07
111.0-112.0	0.6	0.1	435.7	0.01	99.08
112.0-113.0	0.6	0.1	435.8	0.01	99.09
113.0-114.0	0.6	0.1	435.8	0.01	99.11
114.0-115.0	0.6	0.1	435.9	0.01	99.12
115.0-116.0	0.6	0.1	436.0	0.01	99.14
116.0-117.0	0.6	0.1	436.0	0.01	99.15
117.0-118.0	0.7	0.1	436.1	0.01	99.16
118.0-119.0	0.7	0.1	436.2	0.01	99.18
119.0-120.0	0.7	0.1	436.2	0.02	99.19
120.0-121.0	0.7	0.1	436.3	0.02	99.21
121.0-122.0	0.7	0.1	436.4	0.02	99.23
122.0-123.0	0.7	0.1	436.4	0.02	99.24
123.0-124.0	0.8	0.1	436.5	0.02	99.26
124.0-125.0	0.8	0.1	436.6	0.02	99.27
125.0-126.0	0.8	0.1	436.6	0.02	99.29
126.0-127.0	0.8	0.1	436.7	0.02	99.31
127.0-128.0	0.9	0.1	436.8	0.02	99.32
128.0-129.0	0.9	0.1	436.9	0.02	99.34
129.0-130.0	0.9	0.1	436.9	0.02	99.36
130.0-131.0	0.9	0.1	437.0	0.02	99.38
131.0-132.0	1.0	0.1	437.1	0.02	99.39
132.0-133.0	1.0	0.1	437.2	0.02	99.41
133.0-134.0	1.0	0.1	437.3	0.02	99.43
134.0-135.0	1.0	0.1	437.3	0.02	99.45
135.0-136.0	1.0	0.1	437.4	0.02	99.47
136.0-137.0	1.1	0.1	437.5	0.02	99.49
137.0-138.0	1.1	0.1	437.6	0.02	99.50
138.0-139.0	1.1	0.1	437.7	0.02	99.52
139.0-140.0	1.1	0.1	437.7	0.02	99.54
140.0-141.0	1.2	0.1	437.8	0.02	99.56
141.0-142.0	1.2	0.1	437.9	0.02	99.58
142.0-143.0	1.2	0.1	438.0	0.02	99.59
143.0-144.0	1.2	0.1	438.1	0.02	99.61

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 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	1.2	0.1	438.1	0.02	99.63
145.0-146.0	1.3	0.1	438.2	0.02	99.65
146.0-147.0	1.3	0.1	438.3	0.02	99.67
147.0-148.0	1.3	0.1	438.4	0.02	99.68
148.0-149.0	1.3	0.1	438.4	0.02	99.70
149.0-150.0	1.3	0.1	438.5	0.02	99.72
150.0-151.0	1.4	0.1	438.6	0.02	99.73
151.0-152.0	1.4	0.1	438.7	0.02	99.75
152.0-153.0	1.4	0.1	438.7	0.02	99.77
153.0-154.0	1.4	0.1	438.8	0.02	99.78
154.0-155.0	1.4	0.1	438.9	0.01	99.80
155.0-156.0	1.4	0.1	438.9	0.01	99.81
156.0-157.0	1.4	0.1	439.0	0.01	99.82
157.0-158.0	1.4	0.1	439.1	0.01	99.84
158.0-159.0	1.4	0.1	439.1	0.01	99.85
159.0-160.0	1.5	0.1	439.2	0.01	99.86
160.0-161.0	1.5	0.1	439.2	0.01	99.88
161.0-162.0	1.5	0.1	439.3	0.01	99.89
162.0-163.0	1.5	0.0	439.3	0.01	99.90
163.0-164.0	1.5	0.0	439.4	0.01	99.91
164.0-165.0	1.5	0.0	439.4	0.01	99.92
165.0-166.0	1.6	0.0	439.5	0.01	99.93
166.0-167.0	1.6	0.0	439.5	0.01	99.94
167.0-168.0	1.6	0.0	439.5	0.01	99.95
168.0-169.0	1.6	0.0	439.6	0.01	99.96
169.0-170.0	1.6	0.0	439.6	0.01	99.96
170.0-171.0	1.6	0.0	439.6	0.01	99.97
171.0-172.0	1.7	0.0	439.7	0.01	99.98
172.0-173.0	1.7	0.0	439.7	0.01	99.98
173.0-174.0	1.7	0.0	439.7	0.00	99.99
174.0-175.0	1.7	0.0	439.7	0.00	99.99
175.0-176.0	1.7	0.0	439.7	0.00	99.99
176.0-177.0	1.7	0.0	439.8	0.00	100.00
177.0-178.0	1.7	0.0	439.8	0.00	100.00
178.0-179.0	1.7	0.0	439.8	0.00	100.00
179.0-180.0	1.7	0.0	439.8	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: