

Report No.:

Test Time: 2023/8/31 10:21

Luminaire Property

Luminaire Manufacturer: ACOLYTE

Luminaire Category: CHANNEL

Luminaire Description: CHAC4C90SWS2203.030

Luminous Length (mm): 500

Luminous Width (mm): 30

Luminous Height (mm): 30

Voltage: 24.0 V

Current: 0.203 A

Power: 4.91 W

Power Factor: 1.000

Photometric Results

CIE Class: Semi-Direct

Total Rated Lamp Lumens: 476.2 lm

Measurement Flux: 476.2 lm

Efficiency: 100%

Downward Ratio: 89%

Upward Ratio: 11%

Horizontal Diffuse Angle(10%,50%): H148.9,H104.5

Vertical Diffuse Angle(10%,50%): V174.3,V103.6

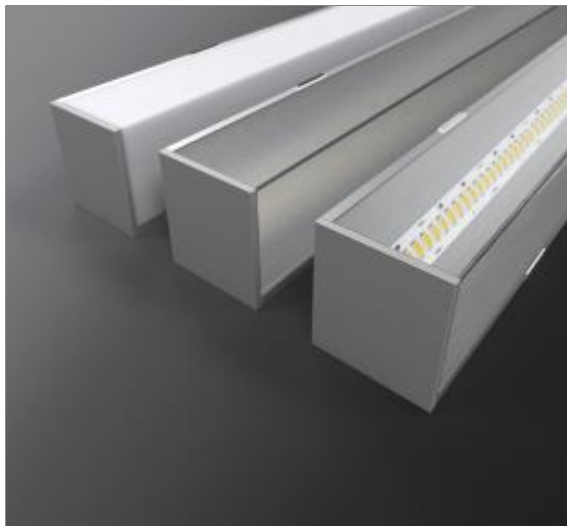
Luminaire Efficacy Rating (LER): 97

Central Intensity: 129.93 cd

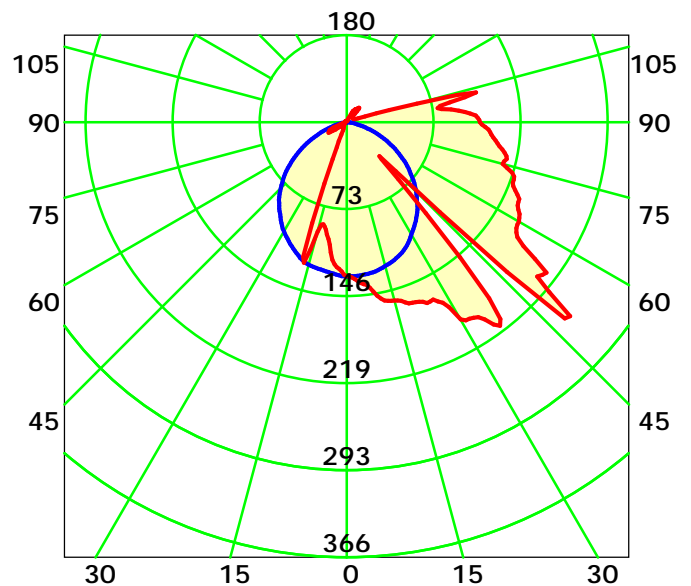
Max. Intensity: 249.23 cd

Pos of Max. Intensity: H90 V49

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd
Average Diffuse Angle(50%): 104.0°
— 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

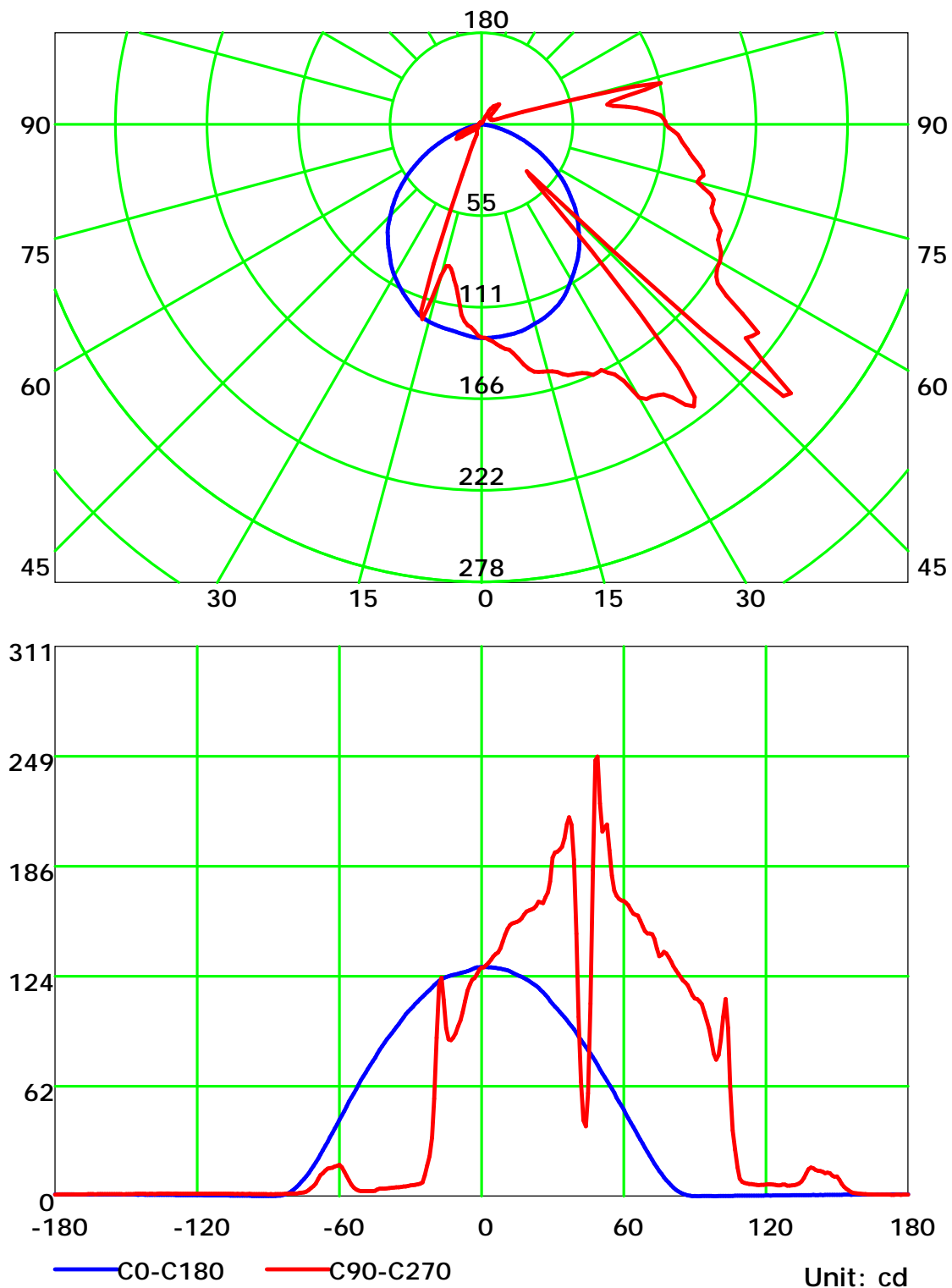
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

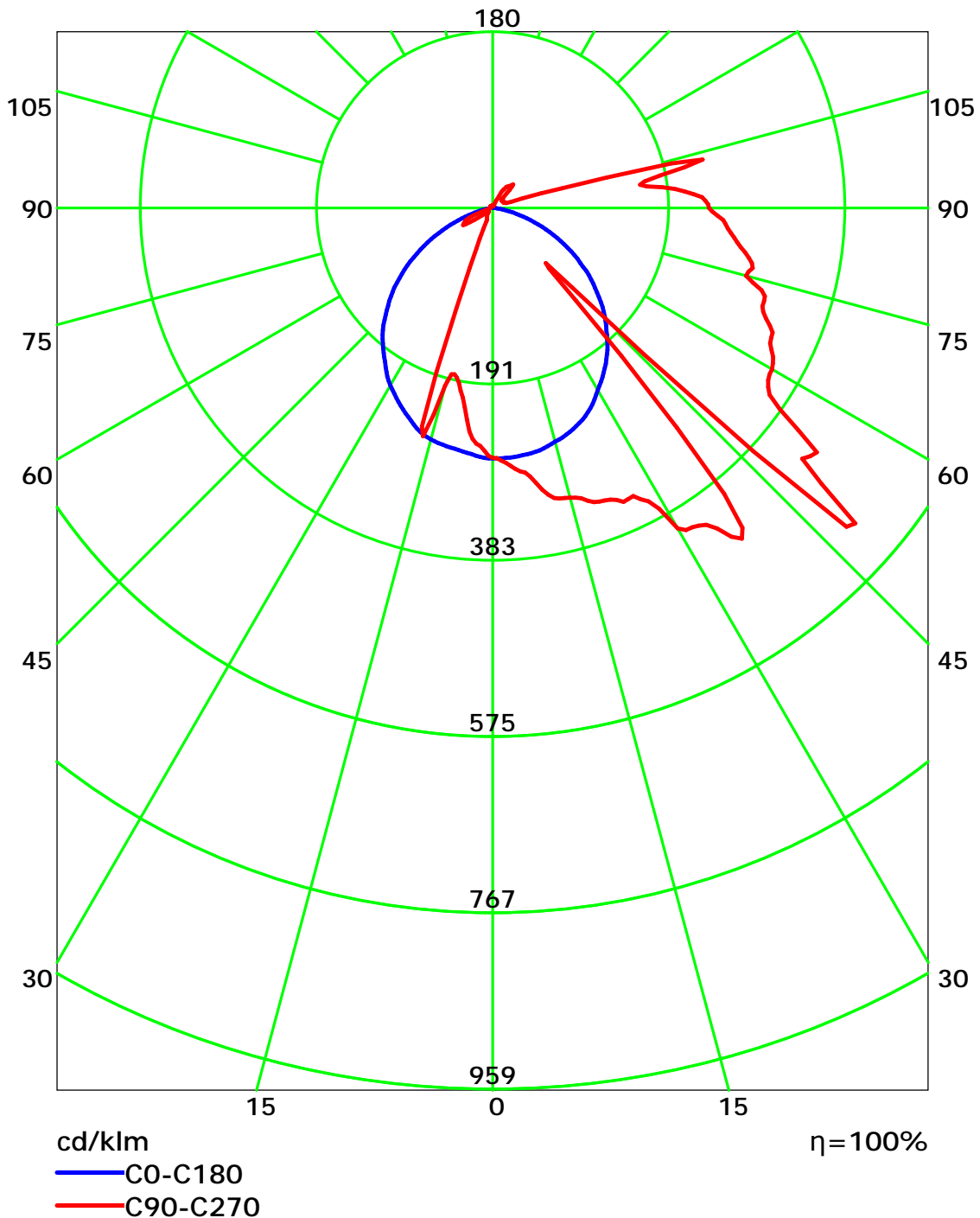
Luminous Intensity Distribution Curve



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:

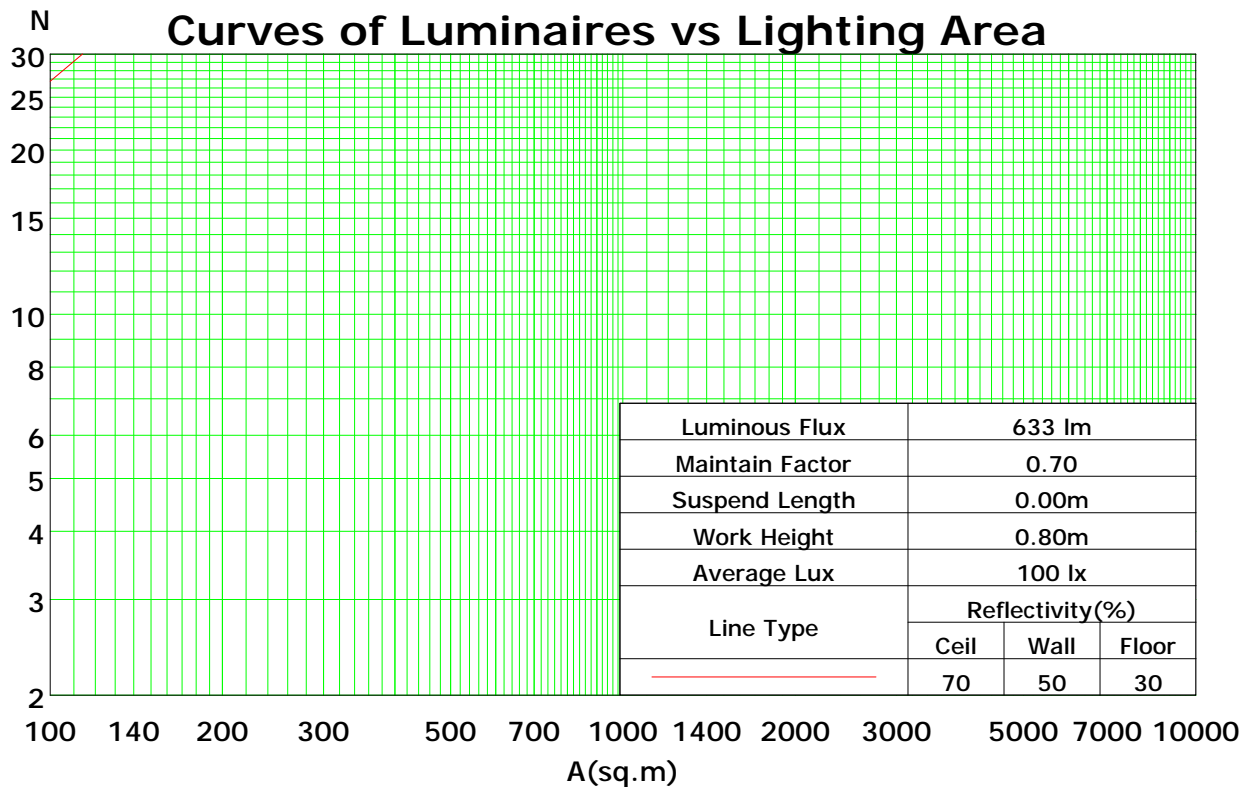
Coefficients Of Utilization - Zonal Cavity Method

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	103	97	91	86	99	93	88	84	87	83	79	81	78	75	75	73	70	67
2	92	83	75	68	88	80	72	66	74	68	63	69	64	60	64	60	57	54
3	84	72	63	55	80	69	61	54	64	57	52	60	54	49	56	51	47	44
4	76	63	53	46	73	61	52	45	57	49	43	53	47	41	50	44	40	37
5	70	56	46	39	67	54	45	39	51	43	37	48	41	36	45	39	34	32
6	64	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28
7	60	46	36	30	57	44	36	29	42	34	28	39	32	27	37	31	27	24
8	56	42	33	27	53	40	32	26	38	31	25	36	29	25	34	28	24	22
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	26	21	19
10	49	35	27	22	47	34	27	21	32	25	21	31	25	20	29	24	19	18

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 0.94

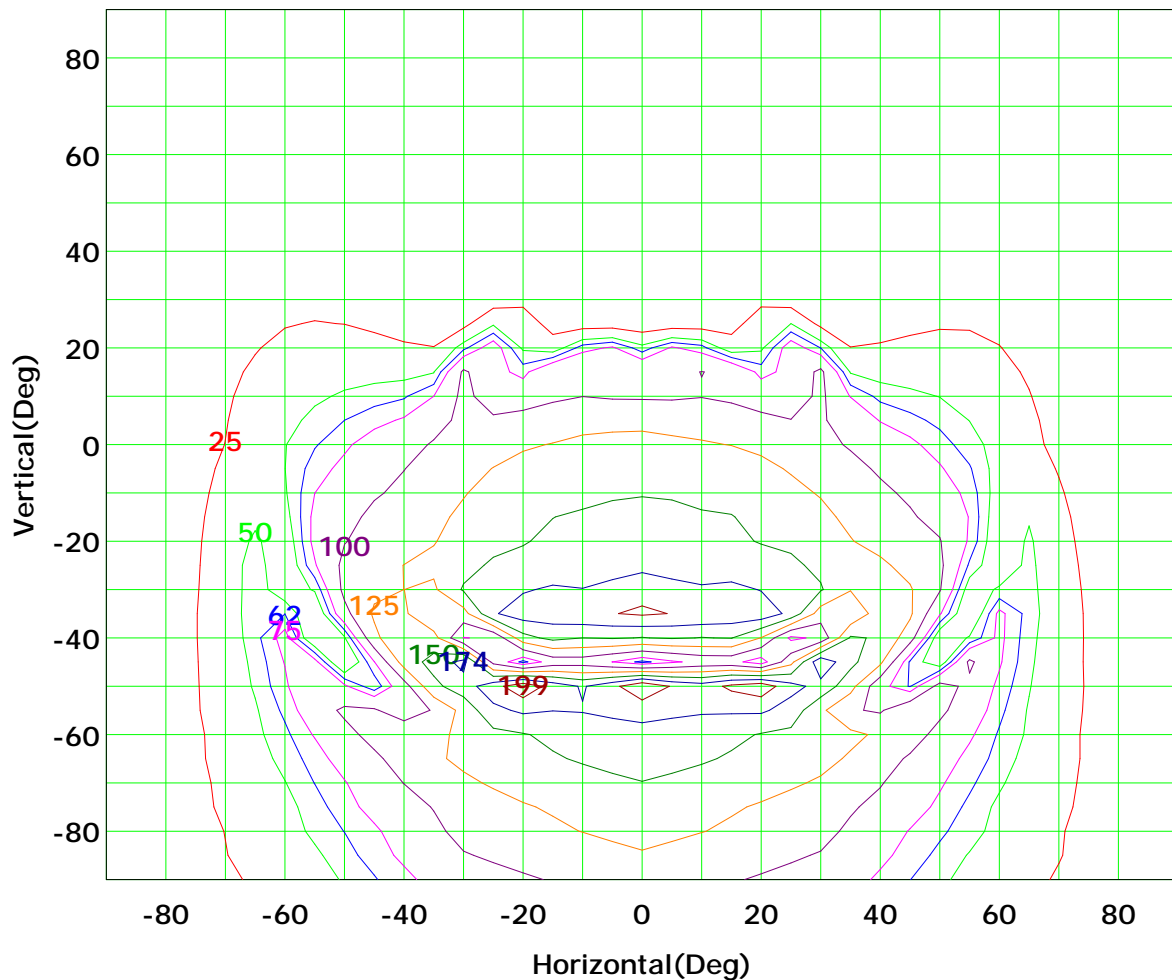
Spacing Criteria (Diagonal): 1.29



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)



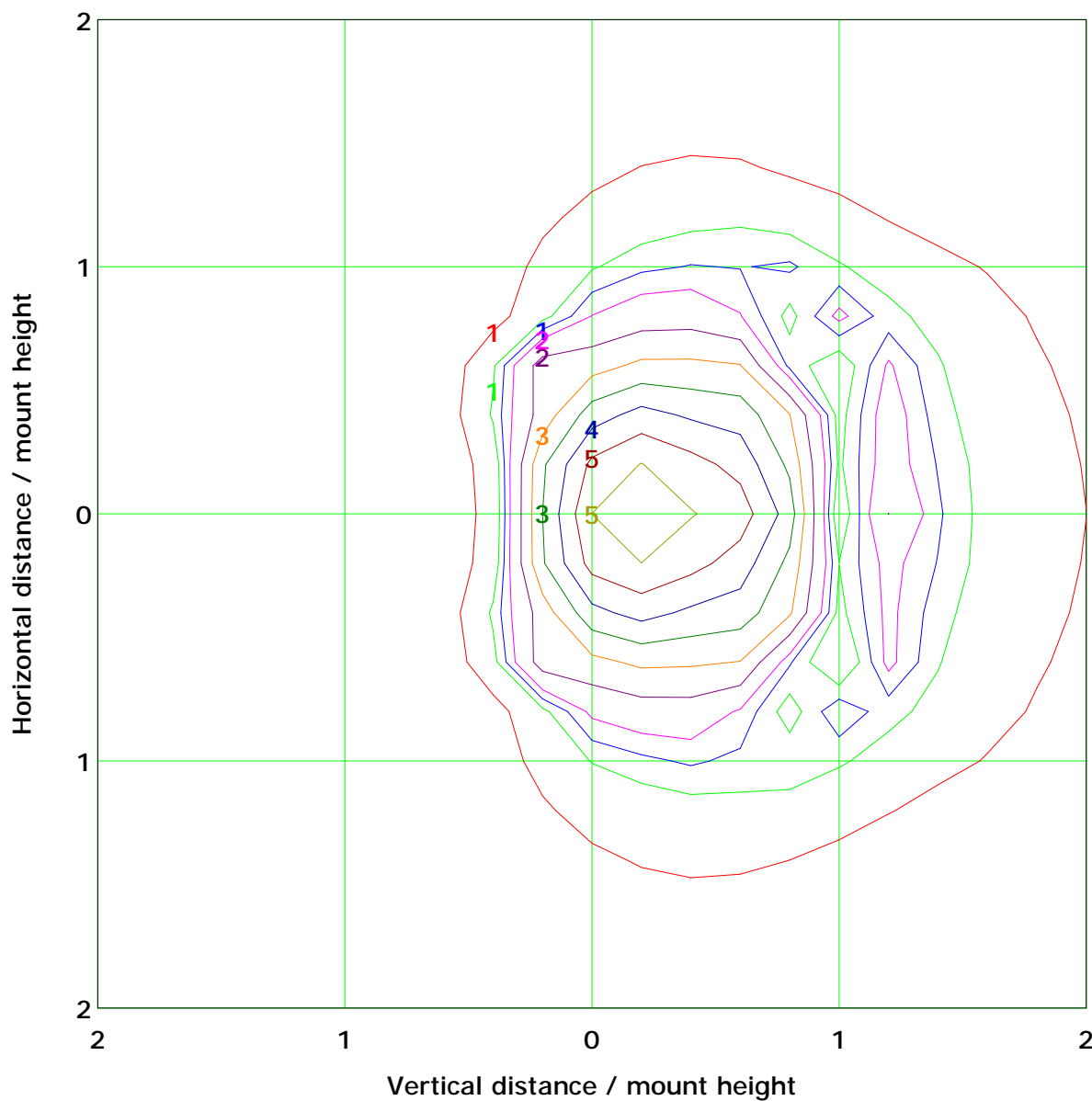
I_{max} (100%): 249 cd

(10%):	25 cd	(20%):	50 cd
(25%):	62 cd	(30%):	75 cd
(40%):	100 cd	(50%):	125 cd
(60%):	150 cd	(70%):	174 cd
(80%):	199 cd	(90%):	224 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%): 5.8 lx	
(10%): 0.6 lx	(20%): 1.2 lx
(25%): 1.4 lx	(30%): 1.7 lx
(40%): 2.3 lx	(50%): 2.9 lx
(60%): 3.5 lx	(70%): 4.0 lx
(80%): 4.6 lx	(90%): 5.2 lx

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

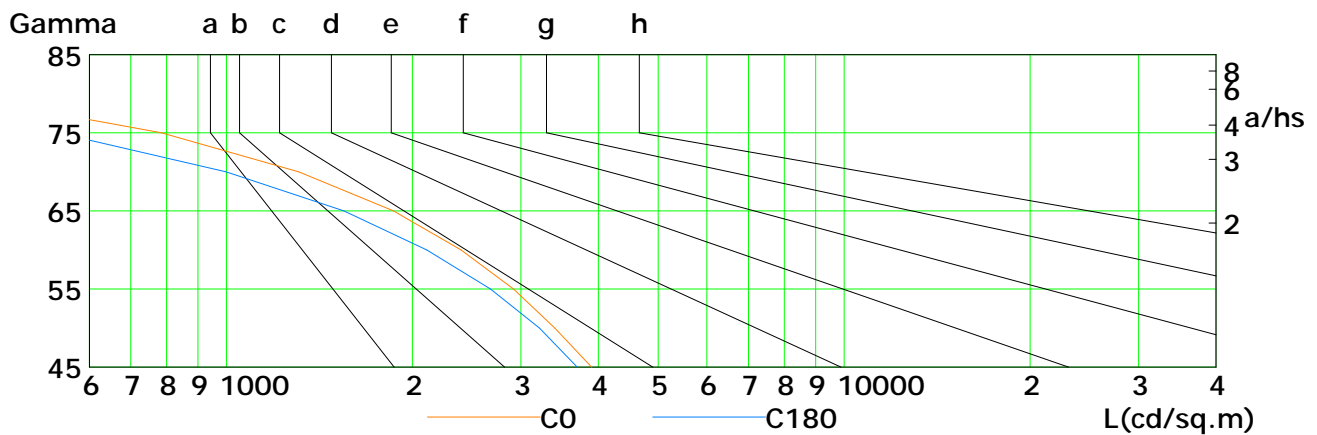
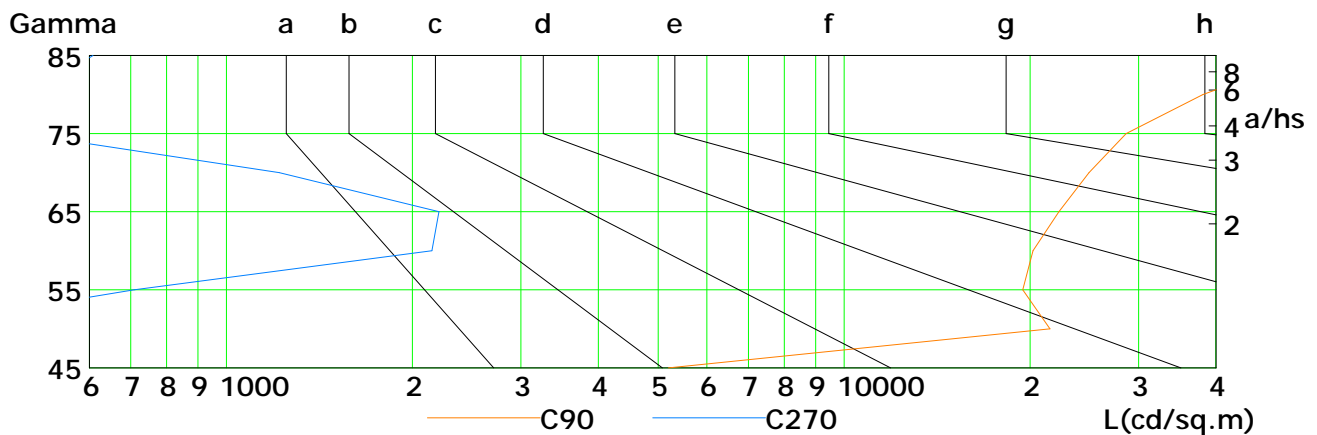
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



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

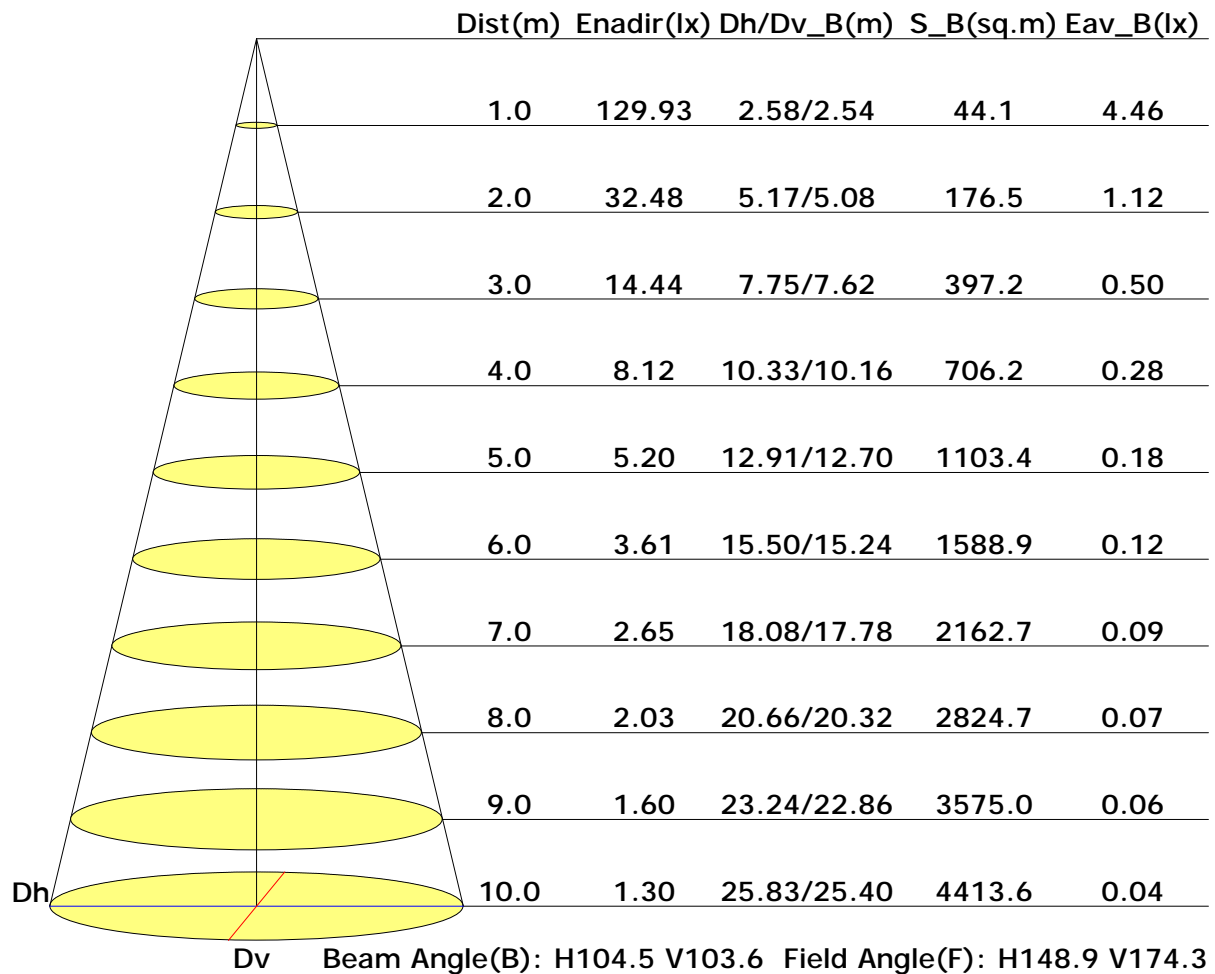


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	3905	3404	2917	2398	1865	1310	785	357	86
C90	5200	21553	19465	20219	22291	24920	28624	38092	55556
C180	3701	3214	2676	2112	1550	1000	535	184	25
C270	285	286	710	2152	2208	1218	467	481	608

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

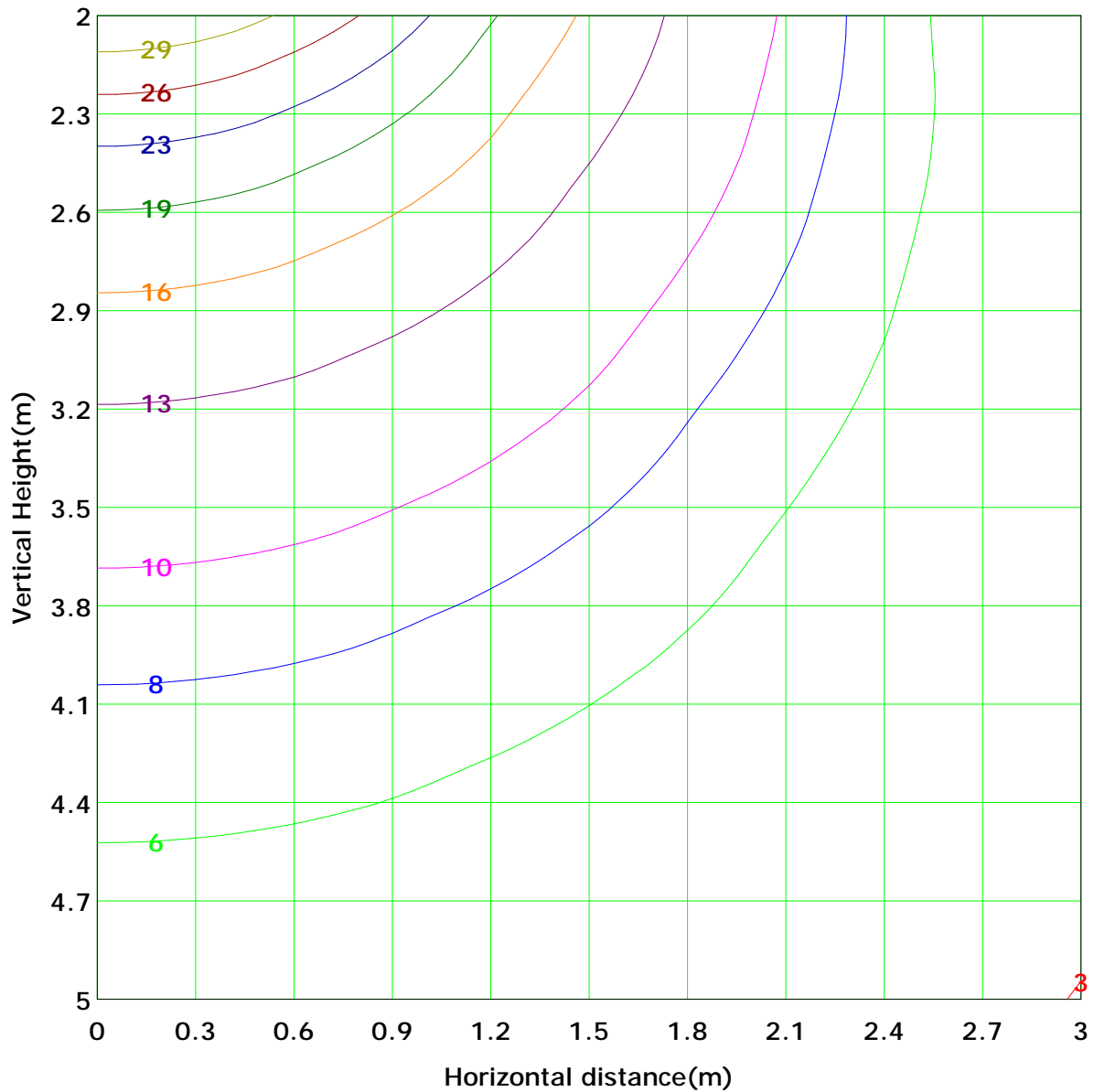
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 32.5 lx
(10%): 3.2 lx	(20%): 6.5 lx	(30%): 9.7 lx
(25%): 8.1 lx	(40%): 13.0 lx	(50%): 16.2 lx
(60%): 19.5 lx	(70%): 22.7 lx	(80%): 26.0 lx
(90%): 29.2 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

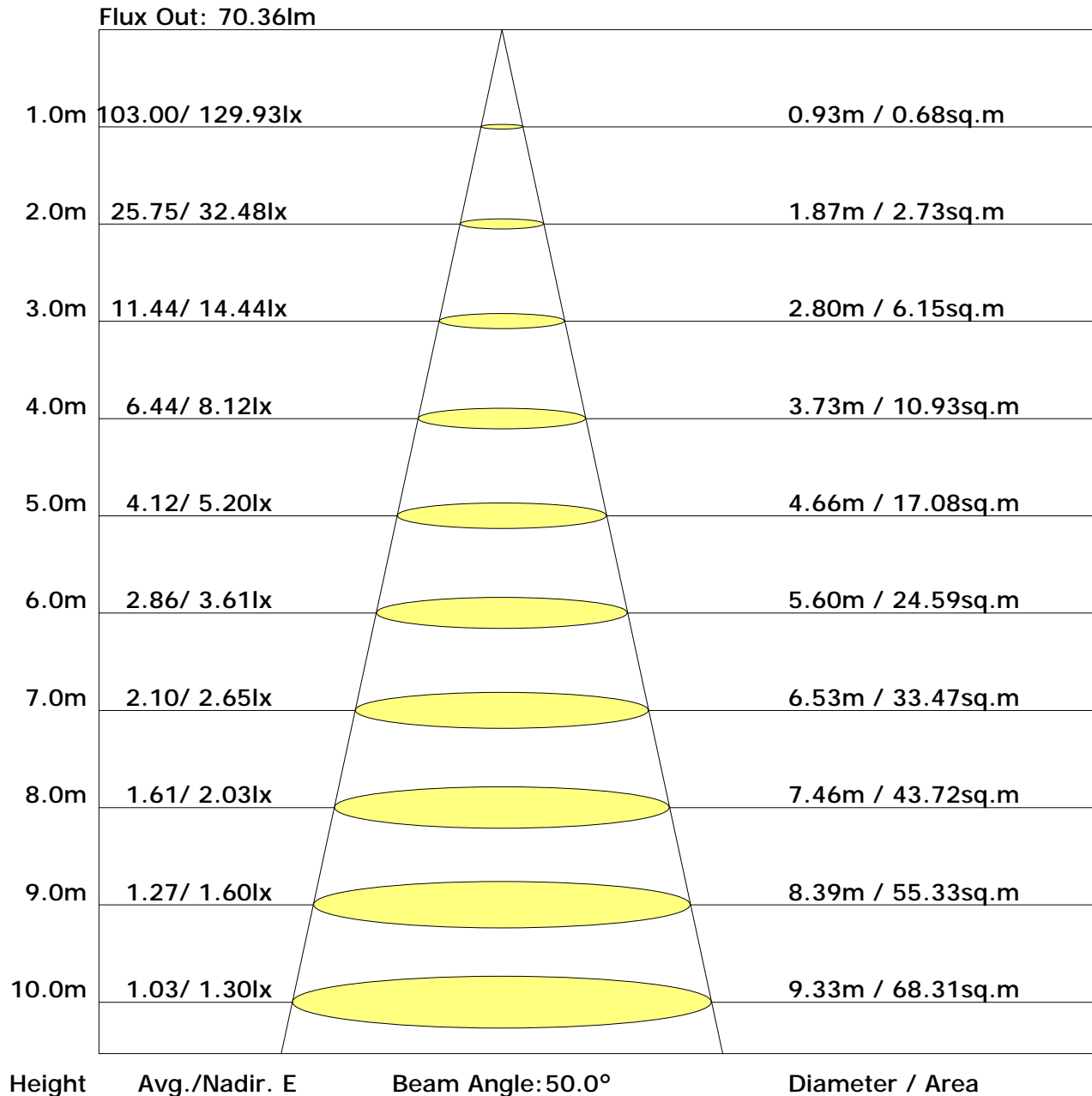
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.6
	-70	0.0	0.0	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	6.6	5.6
	-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	13.0	12.0
	-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	21.8	20.9
	-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	31.3	30.1
	-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	40.6	39.5
	-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	45.8	44.5
	-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	49.7	48.4
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.7	48.4
	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	45.7	44.4
	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	40.5	39.4
	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	31.1	29.9
	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	21.8	20.8
	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	13.1	12.2
	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	6.9	5.9
	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	2.1	0.8
	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	0.2	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	422	403
	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		
	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	422	403

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	19.2	20.7	19.7	21.2	21.8	24.6	26.1	25.1	26.6	27.2
3H	21.0	22.4	21.5	22.9	23.5	26.8	28.1	27.3	28.7	29.3
4H	21.5	22.8	22.0	23.3	23.9	27.8	29.1	28.4	29.7	30.3
6H	21.7	22.9	22.3	23.5	24.1	28.9	30.2	29.5	30.7	31.3
8H	21.7	22.9	22.3	23.5	24.1	29.4	30.6	30.0	31.2	31.8
12H	21.7	22.9	22.3	23.5	24.1	29.9	31.1	30.5	31.7	32.3
X=4H Y=2H	19.9	21.2	20.4	21.8	22.4	24.9	26.2	25.4	26.8	27.4
3H	22.3	23.4	22.9	24.0	24.7	27.4	28.6	28.0	29.2	29.8
4H	23.0	24.0	23.6	24.6	25.3	28.7	29.8	29.3	30.4	31.0
6H	23.4	24.4	24.0	25.0	25.7	30.0	31.0	30.6	31.6	32.3
8H	23.5	24.4	24.1	25.0	25.7	30.7	31.6	31.3	32.2	32.9
12H	23.6	24.4	24.2	25.0	25.7	31.3	32.1	31.9	32.8	33.5
X=8H Y=4H	23.9	24.7	24.5	25.4	26.1	29.0	29.9	29.6	30.5	31.2
6H	24.5	25.3	25.2	25.9	26.7	30.6	31.3	31.2	32.0	32.7
8H	24.8	25.5	25.4	26.1	26.8	31.4	32.0	32.0	32.7	33.4
12H	25.0	25.6	25.6	26.2	27.0	32.2	32.8	32.8	33.4	34.2
X=12H Y=4H	24.1	24.9	24.7	25.5	26.2	29.0	29.9	29.7	30.5	31.2
6H	24.9	25.6	25.6	26.2	27.0	30.7	31.3	31.3	32.0	32.7
8H	25.3	25.9	25.9	26.5	27.3	31.5	32.1	32.2	32.8	33.6

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	0.48	0.57	0.63	0.68	0.75	0.81	0.84	0.89	0.93	
	0.30		0.40	0.48	0.55	0.60	0.68	0.74	0.78	0.84	0.88	
	0.20		0.34	0.42	0.49	0.54	0.62	0.68	0.73	0.79	0.84	
0.50	0.50	0.20	0.45	0.53	0.59	0.64	0.71	0.75	0.79	0.83	0.86	
	0.30		0.38	0.46	0.52	0.57	0.65	0.70	0.74	0.79	0.83	
	0.20		0.33	0.41	0.47	0.52	0.59	0.65	0.69	0.75	0.79	
0.30	0.50	0.20	0.43	0.50	0.56	0.60	0.66	0.70	0.74	0.78	0.81	
	0.30		0.36	0.44	0.50	0.54	0.61	0.66	0.69	0.74	0.78	
	0.20		0.32	0.39	0.45	0.50	0.57	0.62	0.66	0.71	0.75	
0.00	0.00	0.00	0.28	0.36	0.41	0.45	0.51	0.56	0.60	0.64	0.68	
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	1.04	0.88	0.77	0.69	0.57	0.49	0.43	0.34	0.29	
	0.30		0.86	0.76	0.67	0.61	0.52	0.45	0.39	0.32	0.27	
	0.20		0.74	0.66	0.60	0.55	0.47	0.41	0.37	0.30	0.26	
0.50	0.50	0.20	0.98	0.83	0.73	0.65	0.54	0.48	0.40	0.32	0.27	
	0.30		0.83	0.72	0.64	0.58	0.49	0.42	0.38	0.31	0.26	
	0.20		0.72	0.64	0.58	0.53	0.45	0.40	0.35	0.29	0.25	
0.30	0.50	0.20	0.93	0.79	0.69	0.61	0.51	0.43	0.38	0.31	0.26	
	0.30		0.79	0.69	0.62	0.56	0.47	0.40	0.36	0.29	0.25	
	0.20		0.70	0.62	0.56	0.51	0.43	0.38	0.34	0.28	0.24	
0.00	0.00	0.00	0.59	0.52	0.46	0.42	0.36	0.31	0.28	0.23	0.20	
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	0.27	0.28	0.29	0.30	0.31	0.31	0.32	0.32	0.32	
	0.30		0.20	0.21	0.23	0.23	0.25	0.26	0.27	0.28	0.29	
	0.20		0.15	0.16	0.17	0.18	0.20	0.22	0.23	0.24	0.26	
0.50	0.50	0.20	0.26	0.27	0.28	0.29	0.30	0.30	0.30	0.31	0.31	
	0.30		0.19	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	
	0.20		0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.24	0.25	
0.30	0.50	0.20	0.25	0.26	0.27	0.28	0.28	0.29	0.29	0.29	0.30	
	0.30		0.19	0.20	0.21	0.22	0.24	0.24	0.25	0.26	0.27	
	0.20		0.14	0.16	0.17	0.18	0.19	0.21	0.22	0.23	0.24	
0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	
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	129.6	0.1	0.1	0.03	0.03
1.0-2.0	129.5	0.4	0.5	0.08	0.10
2.0-3.0	129.2	0.6	1.1	0.13	0.23
3.0-4.0	128.9	0.9	2.0	0.18	0.42
4.0-5.0	128.7	1.1	3.1	0.23	0.65
5.0-6.0	128.3	1.3	4.4	0.28	0.93
6.0-7.0	127.5	1.6	6.0	0.33	1.26
7.0-8.0	126.4	1.8	7.8	0.38	1.64
8.0-9.0	125.5	2.0	9.9	0.43	2.07
9.0-10.0	124.8	2.3	12.1	0.47	2.54
10.0-11.0	124.4	2.5	14.6	0.52	3.07
11.0-12.0	123.9	2.7	17.3	0.57	3.64
12.0-13.0	123.3	2.9	20.2	0.61	4.25
13.0-14.0	122.6	3.1	23.4	0.66	4.91
14.0-15.0	122.2	3.4	26.7	0.70	5.61
15.0-16.0	122.6	3.6	30.3	0.75	6.37
16.0-17.0	123.6	3.8	34.2	0.81	7.18
17.0-18.0	124.9	4.1	38.3	0.86	8.04
18.0-19.0	125.4	4.4	42.7	0.92	8.96
19.0-20.0	124.4	4.6	47.2	0.96	9.91
20.0-21.0	121.3	4.7	51.9	0.98	10.89
21.0-22.0	116.1	4.7	56.5	0.98	11.87
22.0-23.0	110.0	4.6	61.2	0.97	12.84
23.0-24.0	105.0	4.6	65.7	0.96	13.80
24.0-25.0	101.6	4.6	70.4	0.97	14.78
25.0-26.0	99.7	4.7	75.1	0.99	15.76
26.0-27.0	98.7	4.8	79.9	1.01	16.78
27.0-28.0	98.0	5.0	84.9	1.04	17.82
28.0-29.0	97.7	5.1	90.0	1.07	18.89
29.0-30.0	99.0	5.3	95.3	1.12	20.02
30.0-31.0	101.5	5.6	101.0	1.19	21.20
31.0-32.0	103.5	5.9	106.9	1.25	22.45
32.0-33.0	104.9	6.2	113.1	1.30	23.74
33.0-34.0	104.5	6.3	119.4	1.33	25.07
34.0-35.0	101.7	6.3	125.7	1.33	26.40
35.0-36.0	98.1	6.2	132.0	1.31	27.71

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	95.0	6.2	138.2	1.30	29.01
37.0-38.0	92.4	6.2	144.3	1.30	30.31
38.0-39.0	90.1	6.1	150.5	1.29	31.60
39.0-40.0	87.1	6.1	156.6	1.28	32.88
40.0-41.0	83.1	5.9	162.5	1.24	34.12
41.0-42.0	78.4	5.7	168.2	1.20	35.31
42.0-43.0	72.9	5.4	173.6	1.13	36.45
43.0-44.0	66.3	5.0	178.6	1.05	37.50
44.0-45.0	60.0	4.6	183.2	0.97	38.47
45.0-46.0	56.8	4.4	187.6	0.93	39.40
46.0-47.0	57.5	4.6	192.2	0.96	40.36
47.0-48.0	60.5	4.9	197.1	1.03	41.39
48.0-49.0	63.4	5.2	202.3	1.09	42.48
49.0-50.0	66.5	5.5	207.8	1.16	43.64
50.0-51.0	73.0	6.2	214.0	1.30	44.94
51.0-52.0	82.2	7.1	221.1	1.48	46.42
52.0-53.0	87.6	7.6	228.7	1.60	48.02
53.0-54.0	85.4	7.5	236.2	1.58	49.60
54.0-55.0	79.9	7.1	243.4	1.50	51.10
55.0-56.0	76.4	6.9	250.3	1.45	52.55
56.0-57.0	75.0	6.9	257.1	1.44	53.99
57.0-58.0	72.6	6.7	263.8	1.41	55.40
58.0-59.0	67.5	6.3	270.2	1.33	56.73
59.0-60.0	61.6	5.8	276.0	1.22	57.95
60.0-61.0	56.9	5.4	281.4	1.14	59.09
61.0-62.0	54.2	5.2	286.6	1.10	60.19
62.0-63.0	53.3	5.2	291.8	1.09	61.28
63.0-64.0	54.1	5.3	297.1	1.12	62.39
64.0-65.0	56.8	5.6	302.8	1.18	63.58
65.0-66.0	60.6	6.0	308.8	1.27	64.84
66.0-67.0	62.5	6.3	315.1	1.32	66.16
67.0-68.0	61.4	6.2	321.3	1.31	67.47
68.0-69.0	59.3	6.1	327.4	1.27	68.74
69.0-70.0	57.6	5.9	333.3	1.24	69.98
70.0-71.0	55.9	5.8	339.1	1.21	71.20
71.0-72.0	53.9	5.6	344.7	1.18	72.37

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	52.3	5.5	350.1	1.15	73.52
73.0-74.0	50.9	5.3	355.5	1.12	74.65
74.0-75.0	48.9	5.2	360.7	1.08	75.73
75.0-76.0	46.8	5.0	365.6	1.04	76.77
76.0-77.0	44.8	4.8	370.4	1.00	77.78
77.0-78.0	43.4	4.6	375.0	0.98	78.75
78.0-79.0	42.2	4.5	379.6	0.95	79.70
79.0-80.0	40.8	4.4	384.0	0.92	80.63
80.0-81.0	39.6	4.3	388.3	0.90	81.53
81.0-82.0	38.2	4.1	392.4	0.87	82.40
82.0-83.0	36.7	4.0	396.4	0.84	83.23
83.0-84.0	35.8	3.9	400.3	0.82	84.05
84.0-85.0	35.2	3.8	404.1	0.81	84.86
85.0-86.0	34.2	3.7	407.9	0.78	85.64
86.0-87.0	33.4	3.7	411.5	0.77	86.41
87.0-88.0	32.7	3.6	415.1	0.75	87.17
88.0-89.0	31.9	3.5	418.6	0.73	87.90
89.0-90.0	30.9	3.4	422.0	0.71	88.61
90.0-91.0	30.3	3.3	425.3	0.70	89.31
91.0-92.0	30.1	3.3	428.6	0.69	90.00
92.0-93.0	29.5	3.2	431.8	0.68	90.68
93.0-94.0	27.9	3.1	434.9	0.64	91.32
94.0-95.0	26.0	2.8	437.7	0.60	91.92
95.0-96.0	25.2	2.7	440.5	0.58	92.50
96.0-97.0	24.8	2.7	443.2	0.57	93.06
97.0-98.0	22.0	2.4	445.6	0.50	93.56
98.0-99.0	19.3	2.1	447.7	0.44	94.00
99.0-100.0	20.0	2.2	449.8	0.45	94.46
100.0-101.0	22.6	2.4	452.3	0.51	94.97
101.0-102.0	24.0	2.6	454.8	0.54	95.51
102.0-103.0	21.2	2.3	457.1	0.48	95.99
103.0-104.0	16.1	1.7	458.8	0.36	96.35
104.0-105.0	11.5	1.2	460.1	0.26	96.61
105.0-106.0	8.1	0.9	460.9	0.18	96.79
106.0-107.0	5.8	0.6	461.5	0.13	96.91
107.0-108.0	4.3	0.5	462.0	0.10	97.01

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	3.5	0.4	462.3	0.08	97.08
109.0-110.0	3.0	0.3	462.7	0.07	97.15
110.0-111.0	2.9	0.3	463.0	0.06	97.21
111.0-112.0	2.9	0.3	463.2	0.06	97.27
112.0-113.0	2.9	0.3	463.5	0.06	97.34
113.0-114.0	3.1	0.3	463.9	0.07	97.40
114.0-115.0	3.2	0.3	464.2	0.07	97.47
115.0-116.0	3.4	0.3	464.5	0.07	97.54
116.0-117.0	3.5	0.3	464.9	0.07	97.61
117.0-118.0	3.7	0.4	465.2	0.08	97.69
118.0-119.0	4.0	0.4	465.6	0.08	97.77
119.0-120.0	4.1	0.4	466.0	0.08	97.85
120.0-121.0	4.1	0.4	466.4	0.08	97.93
121.0-122.0	4.0	0.4	466.7	0.08	98.01
122.0-123.0	3.9	0.4	467.1	0.08	98.09
123.0-124.0	3.9	0.4	467.5	0.08	98.16
124.0-125.0	3.8	0.3	467.8	0.07	98.23
125.0-126.0	3.7	0.3	468.1	0.07	98.30
126.0-127.0	3.8	0.3	468.5	0.07	98.37
127.0-128.0	3.8	0.3	468.8	0.07	98.44
128.0-129.0	3.8	0.3	469.1	0.07	98.51
129.0-130.0	3.8	0.3	469.5	0.07	98.58
130.0-131.0	3.9	0.3	469.8	0.07	98.65
131.0-132.0	3.9	0.3	470.1	0.07	98.72
132.0-133.0	4.0	0.3	470.4	0.07	98.78
133.0-134.0	4.2	0.3	470.8	0.07	98.85
134.0-135.0	4.4	0.3	471.1	0.07	98.93
135.0-136.0	4.4	0.3	471.5	0.07	99.00
136.0-137.0	4.4	0.3	471.8	0.07	99.07
137.0-138.0	4.5	0.3	472.1	0.07	99.14
138.0-139.0	4.5	0.3	472.5	0.07	99.21
139.0-140.0	4.4	0.3	472.8	0.07	99.27
140.0-141.0	4.3	0.3	473.1	0.06	99.34
141.0-142.0	4.2	0.3	473.4	0.06	99.40
142.0-143.0	4.1	0.3	473.6	0.06	99.45
143.0-144.0	4.0	0.3	473.9	0.05	99.51

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	3.8	0.2	474.1	0.05	99.56
145.0-146.0	3.7	0.2	474.4	0.05	99.61
146.0-147.0	3.6	0.2	474.6	0.05	99.65
147.0-148.0	3.3	0.2	474.8	0.04	99.69
148.0-149.0	2.9	0.2	474.9	0.03	99.73
149.0-150.0	2.6	0.1	475.1	0.03	99.76
150.0-151.0	2.4	0.1	475.2	0.03	99.79
151.0-152.0	2.0	0.1	475.3	0.02	99.81
152.0-153.0	1.8	0.1	475.4	0.02	99.83
153.0-154.0	1.6	0.1	475.5	0.02	99.84
154.0-155.0	1.5	0.1	475.6	0.01	99.86
155.0-156.0	1.3	0.1	475.6	0.01	99.87
156.0-157.0	1.3	0.1	475.7	0.01	99.88
157.0-158.0	1.2	0.1	475.7	0.01	99.89
158.0-159.0	1.2	0.0	475.8	0.01	99.90
159.0-160.0	1.2	0.0	475.8	0.01	99.91
160.0-161.0	1.2	0.0	475.9	0.01	99.92
161.0-162.0	1.2	0.0	475.9	0.01	99.93
162.0-163.0	1.1	0.0	475.9	0.01	99.94
163.0-164.0	1.1	0.0	476.0	0.01	99.95
164.0-165.0	1.1	0.0	476.0	0.01	99.95
165.0-166.0	1.1	0.0	476.0	0.01	99.96
166.0-167.0	1.1	0.0	476.1	0.01	99.96
167.0-168.0	1.0	0.0	476.1	0.01	99.97
168.0-169.0	1.0	0.0	476.1	0.00	99.97
169.0-170.0	1.0	0.0	476.1	0.00	99.98
170.0-171.0	1.0	0.0	476.1	0.00	99.98
171.0-172.0	1.0	0.0	476.2	0.00	99.99
172.0-173.0	1.0	0.0	476.2	0.00	99.99
173.0-174.0	1.0	0.0	476.2	0.00	99.99
174.0-175.0	1.1	0.0	476.2	0.00	99.99
175.0-176.0	1.1	0.0	476.2	0.00	100.00
176.0-177.0	1.1	0.0	476.2	0.00	100.00
177.0-178.0	1.1	0.0	476.2	0.00	100.00
178.0-179.0	1.1	0.0	476.2	0.00	100.00
179.0-180.0	1.1	0.0	476.2	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: