

Report No.:

Test Time: 2023/10/31 16:50

## Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Scroll pendants

Luminaire Description: Scroll pendants C50 VW SO 19W

Lamp Catalog: WARM Indirect Only

Luminous Width (mm): 50

Voltage: 24.0 V

Power: 3.34 W

Luminous Length (mm): 300

Luminous Height (mm): 75

Current: 0.139 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 49 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H156.6,H98.6

Vertical Diffuse Angle(10%,50%): V156.6,V101.8

Luminaire Efficacy Rating (LER): 15

Max. Intensity: 19.55 cd

Total Rated Lamp Lumens: 49.0 lm

Efficiency: 100%

Upward Ratio: 1%

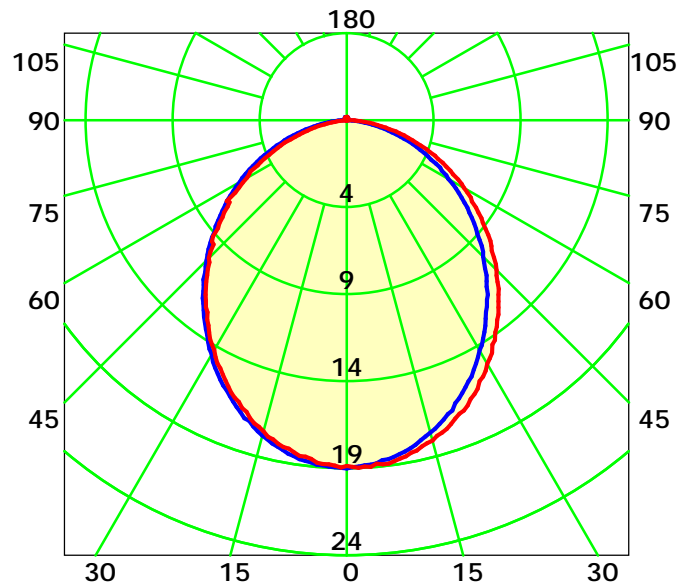
Central Intensity: 19.54 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 100.2° 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

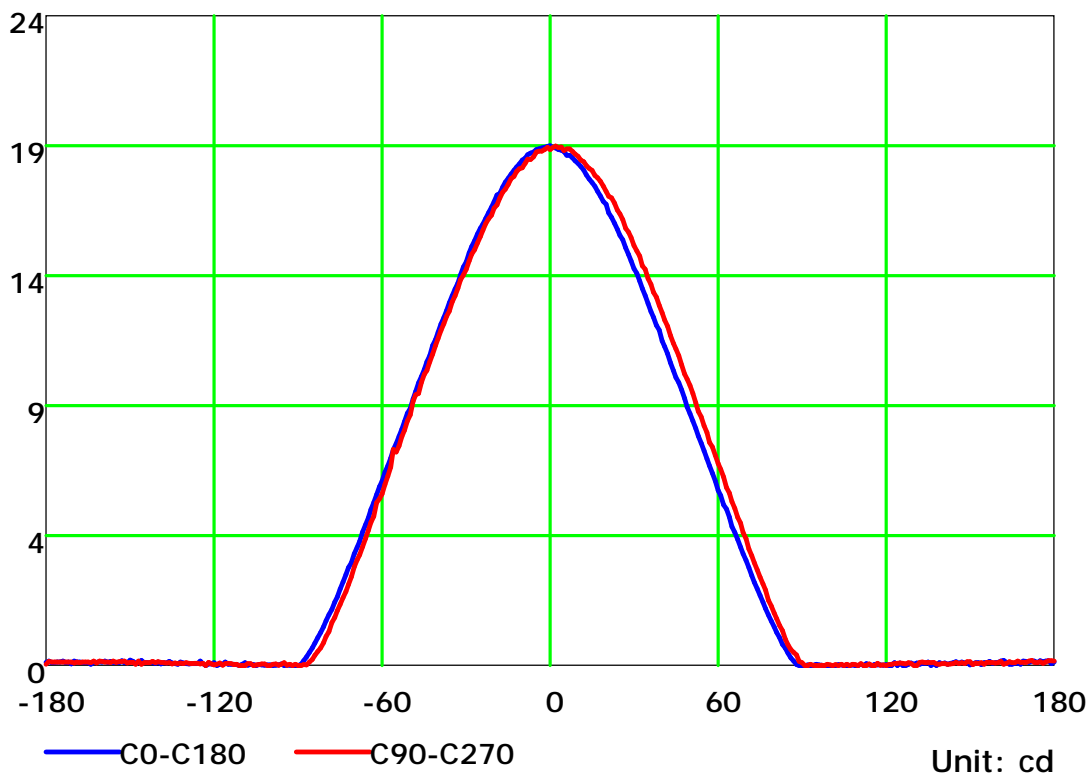
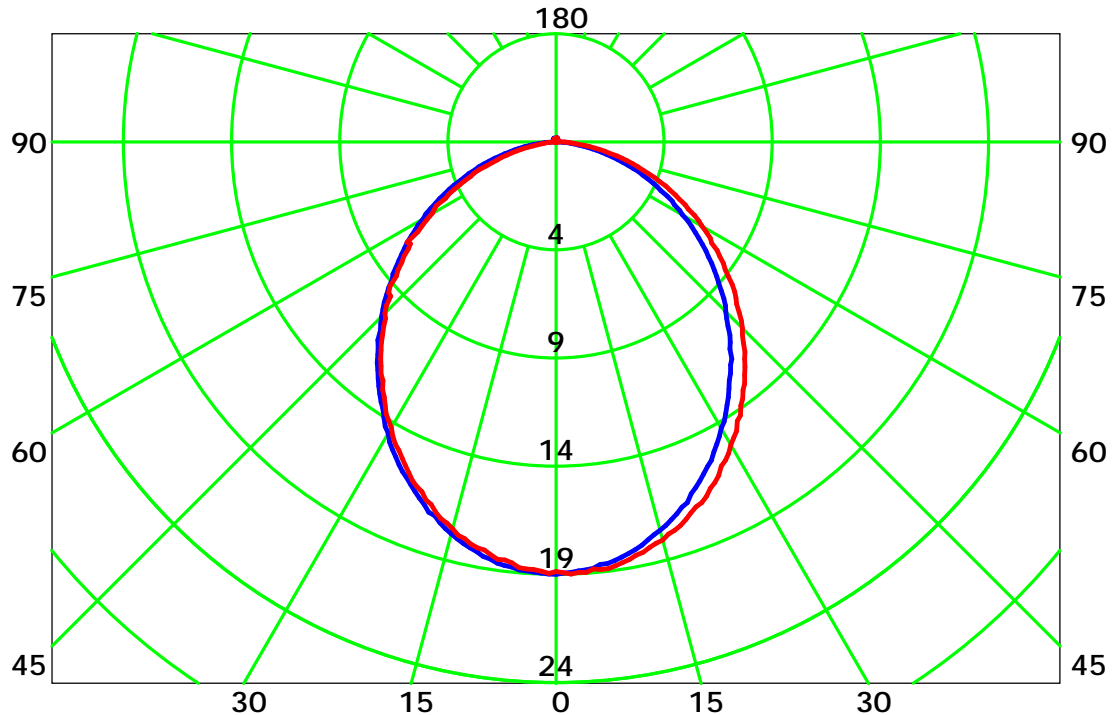
Distance: 9.028 m

Humidity: 60%

Inspector:



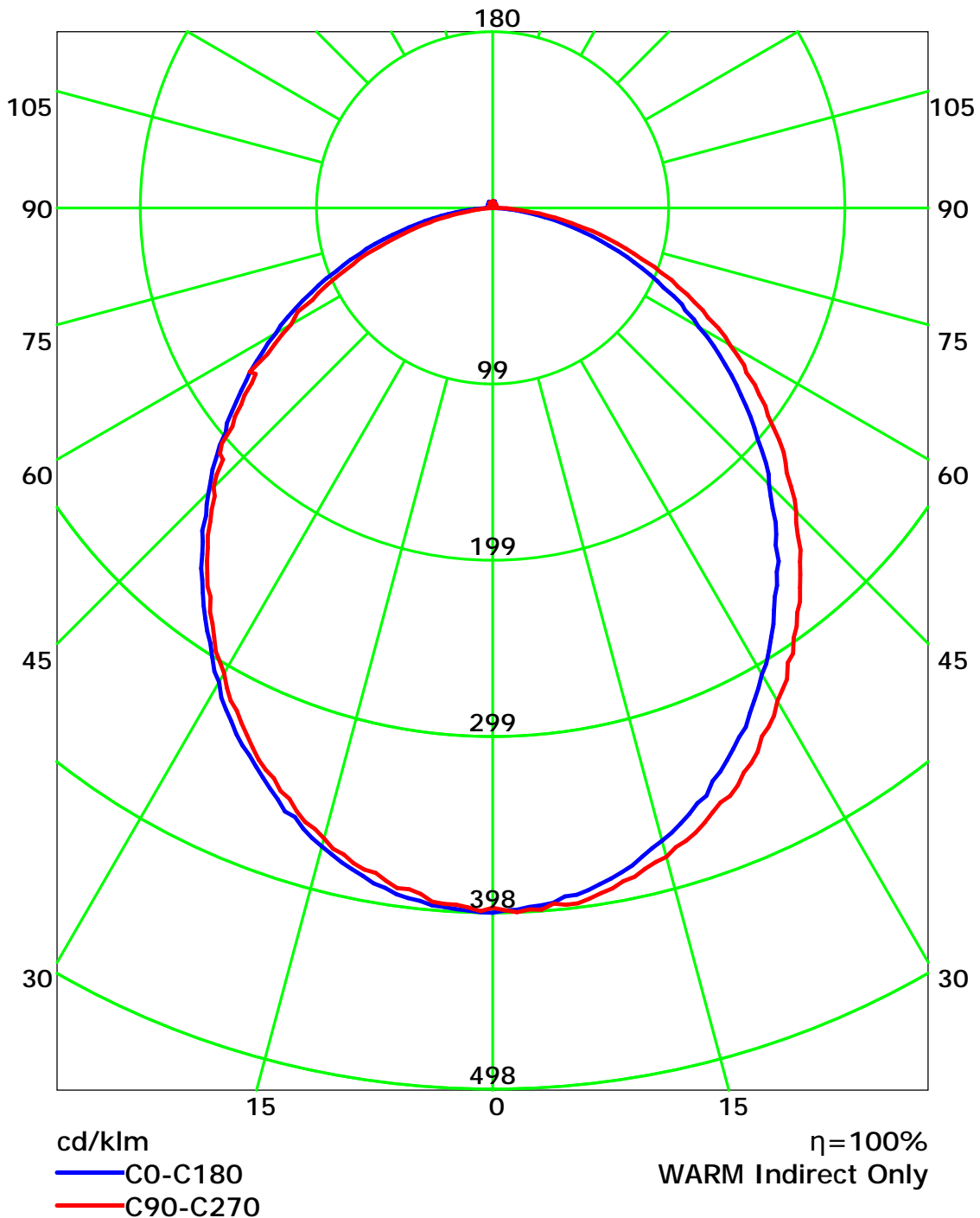
## Luminous Intensity Distribution Curve



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:

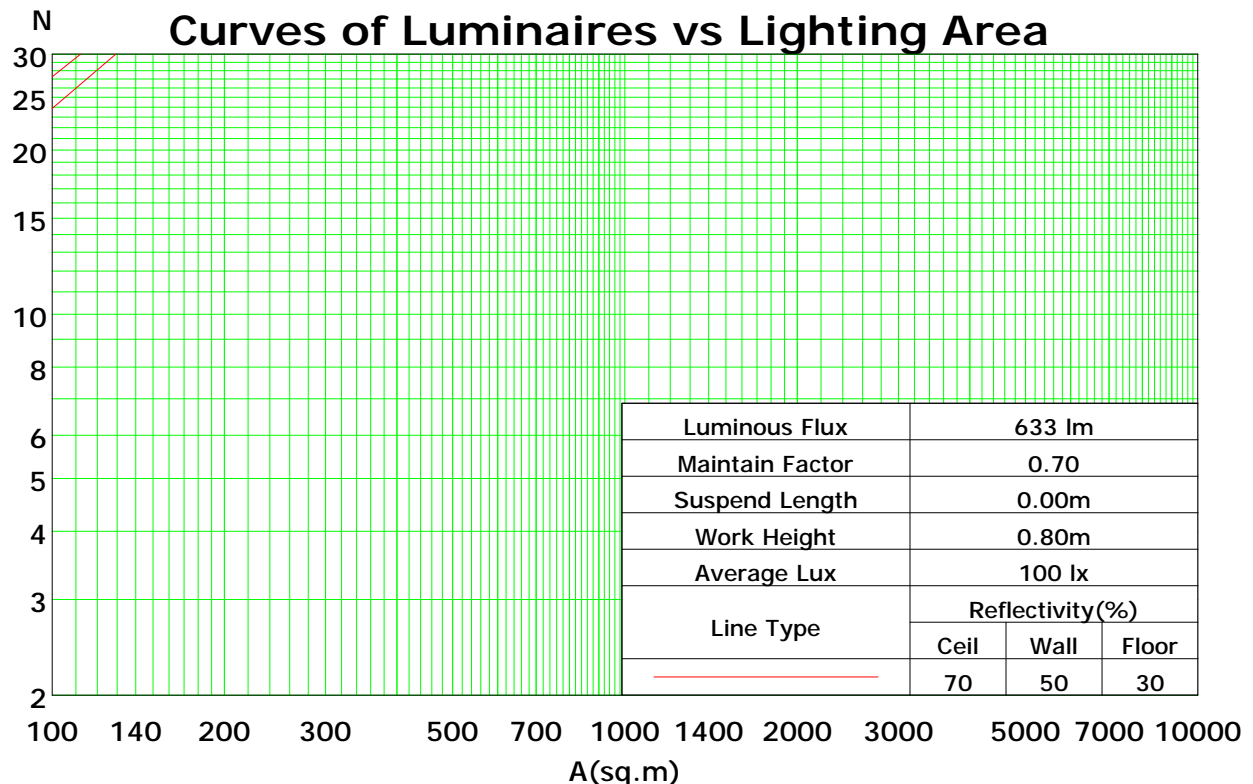
## Coefficients Of Utilization - Zonal Cavity Method

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	109	104	100	97	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	71
3	91	81	73	66	88	79	72	66	76	70	64	73	68	63	70	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	54	63	58	54	51
5	77	64	55	49	75	63	55	49	61	54	48	59	52	47	57	51	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	41	37	35
8	62	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	58	44	36	31	56	44	36	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	37	32	27	26

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.18

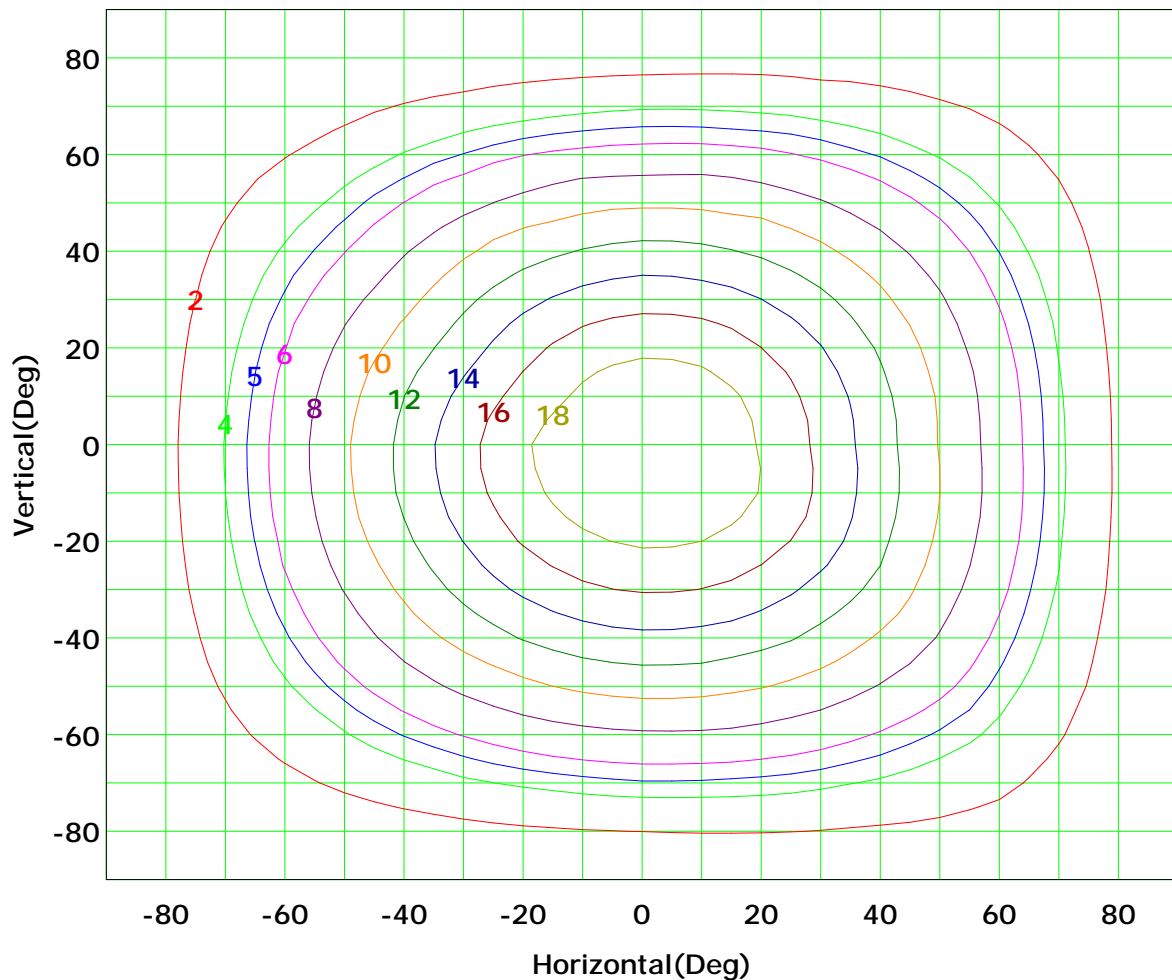
Spacing Criteria (Diagonal): 1.28



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)



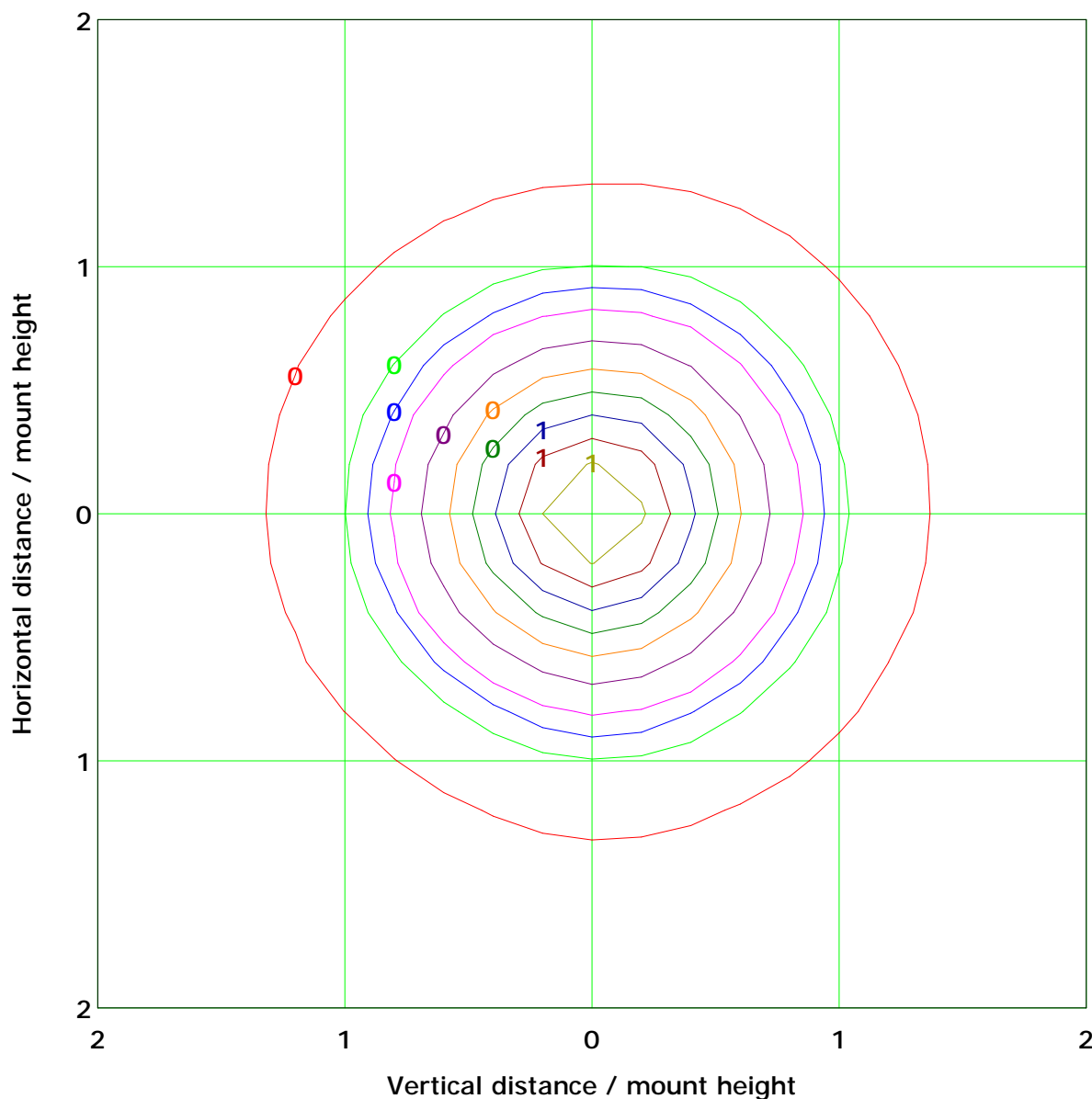
I<sub>max</sub> (100%): 20 cd

( 10%):	2 cd	( 20%):	4 cd
( 25%):	5 cd	( 30%):	6 cd
( 40%):	8 cd	( 50%):	10 cd
( 60%):	12 cd	( 70%):	14 cd
( 80%):	16 cd	( 90%):	18 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



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

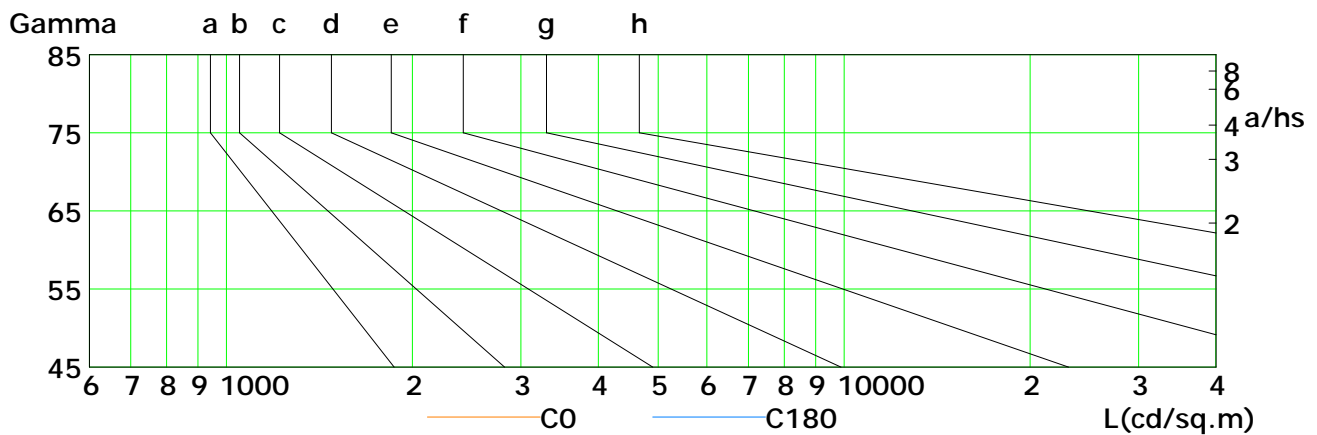
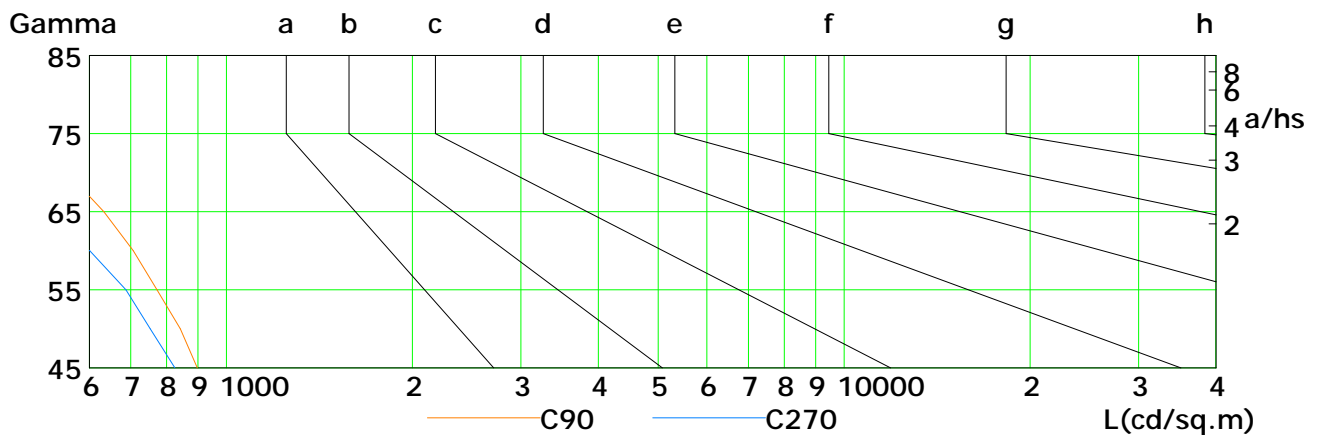
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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

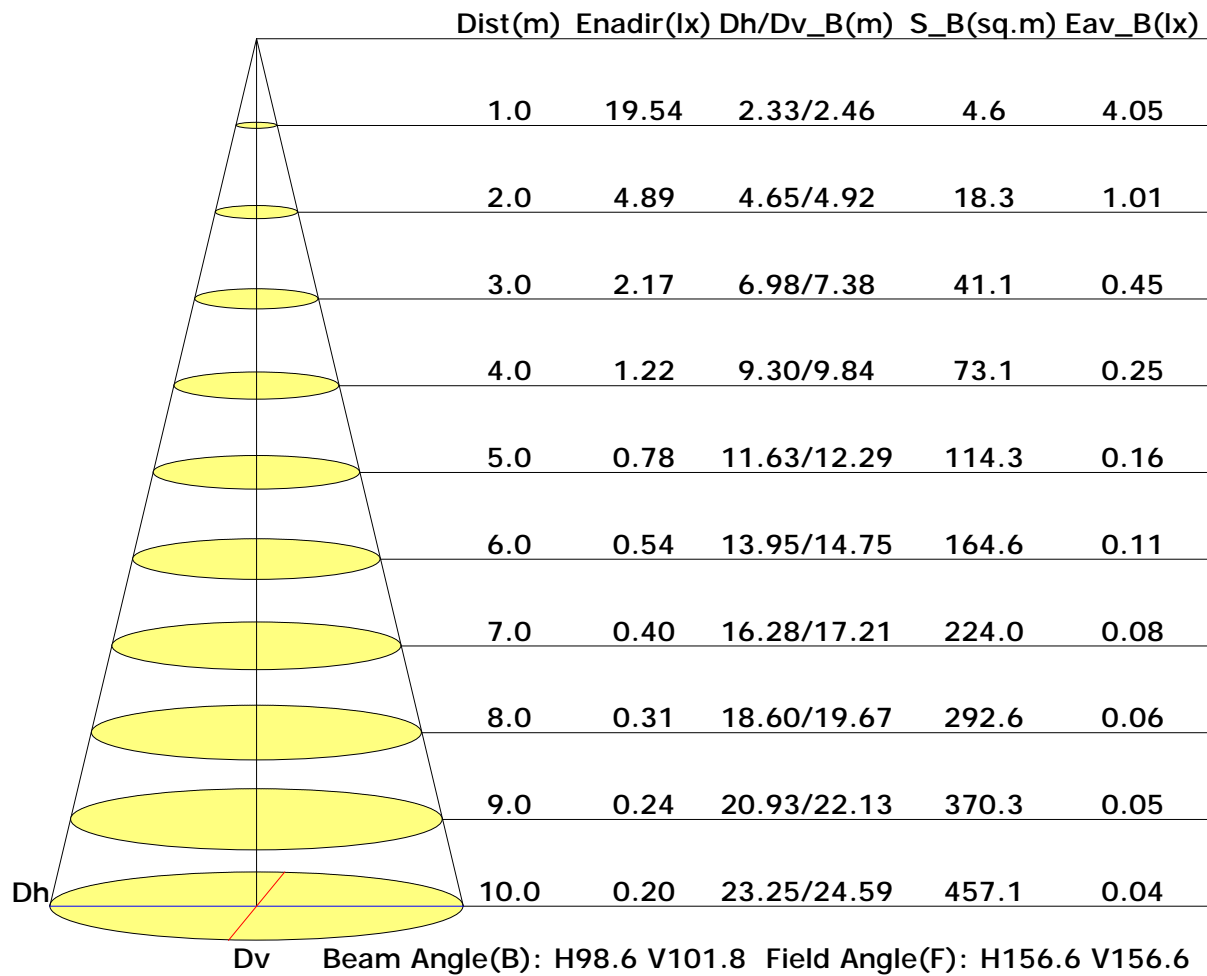


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	409	353	299	244	196	151	103	59	20
C90	898	842	773	707	634	552	444	314	157
C180	420	360	309	257	208	160	112	68	28
C270	826	754	688	601	522	429	306	175	48

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

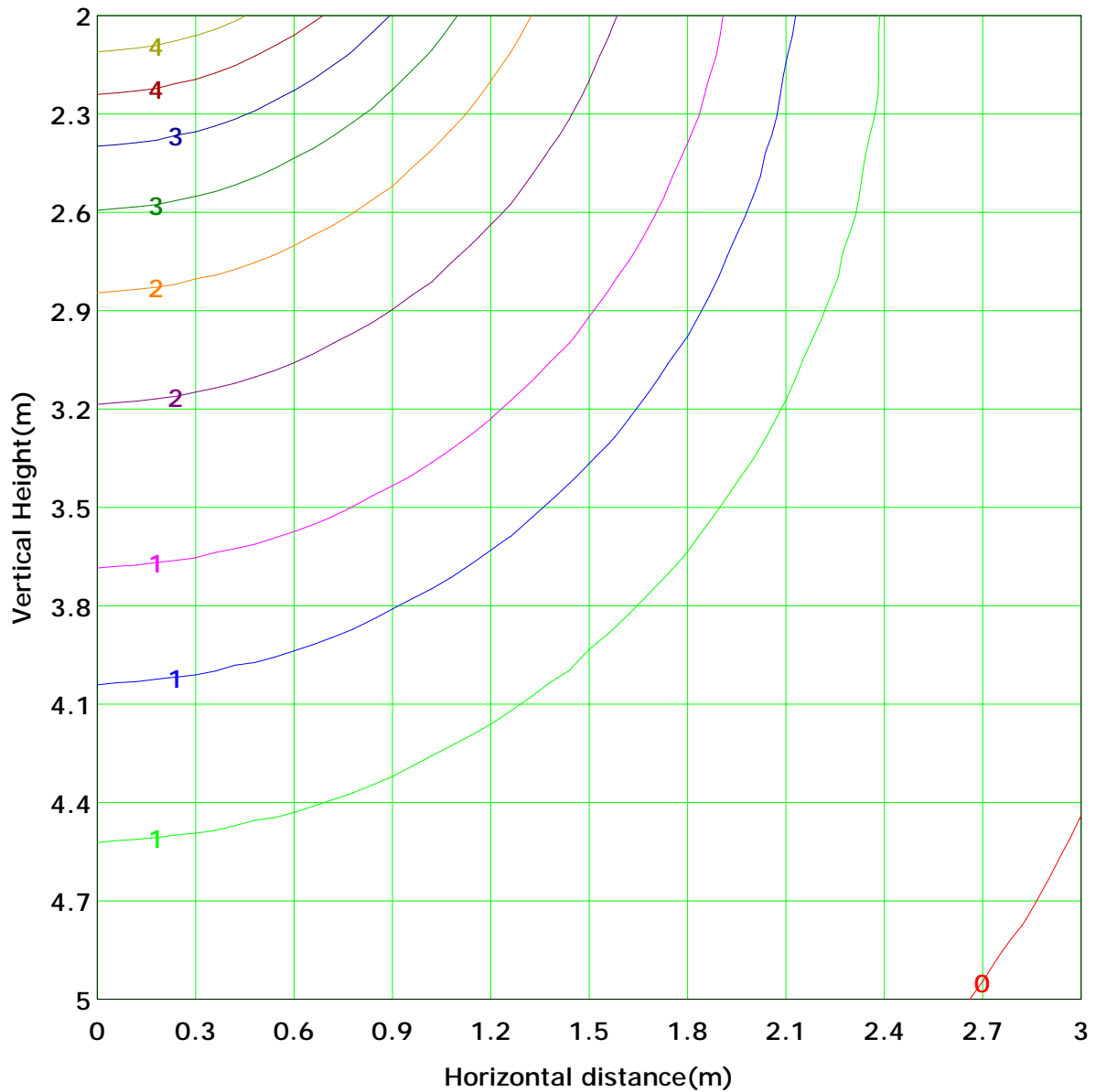
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 4.9 lx
( 10%): 0.5 lx	( 20%): 1.0 lx	
( 25%): 1.2 lx	( 30%): 1.5 lx	
( 40%): 2.0 lx	( 50%): 2.4 lx	
( 60%): 2.9 lx	( 70%): 3.4 lx	
( 80%): 3.9 lx	( 90%): 4.4 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:

## Area Flux Table

Unit: lm

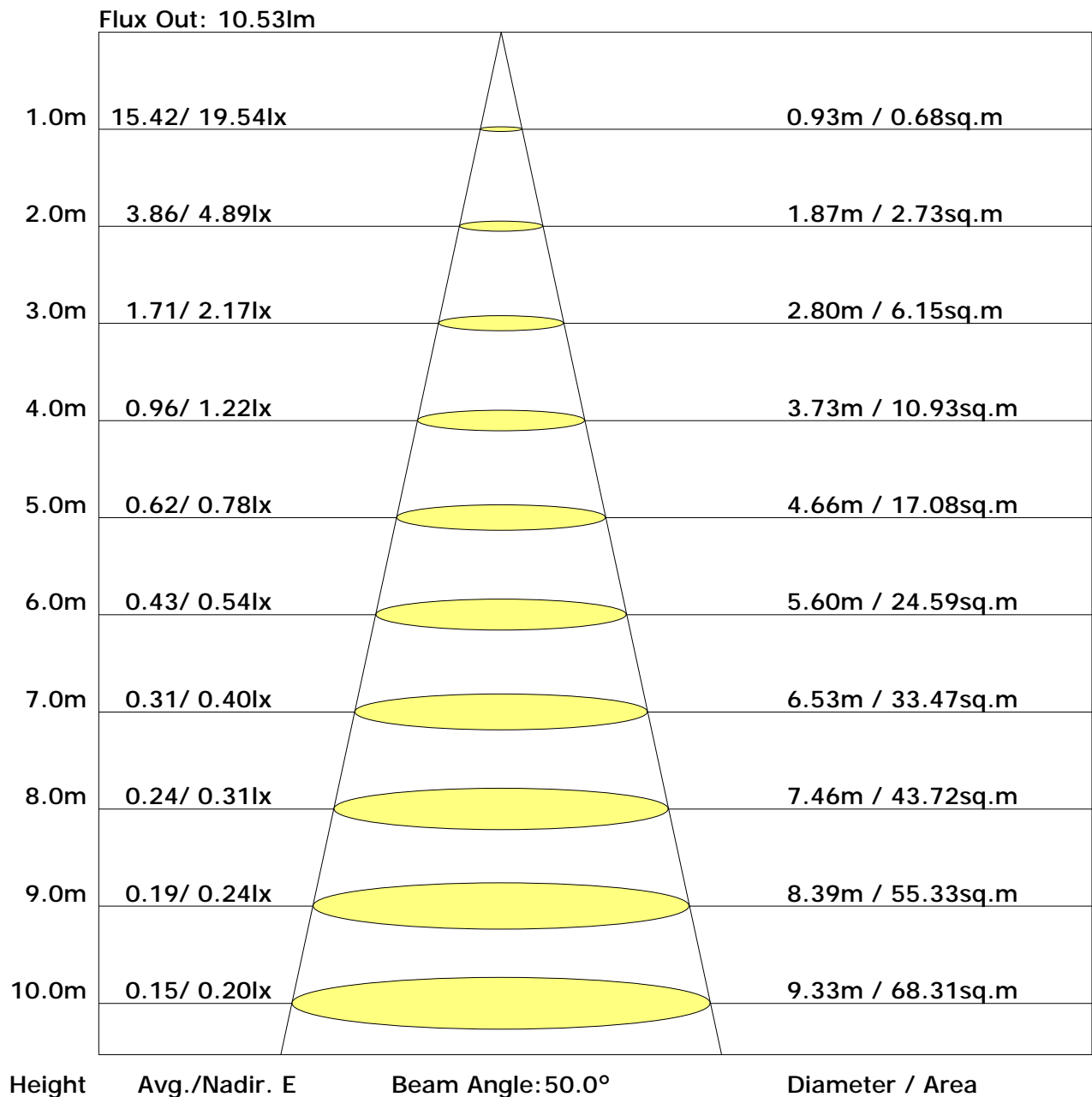
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2
	-70	0.0	0.0	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	0.8	0.7
	-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	1.6	1.6
	-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	2.6	2.6
	-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	3.7	3.6
	-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	4.7	4.7
	-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	5.5	5.4
	-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	5.9	5.8
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.7
	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	5.3	5.2
	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	4.4	4.4
	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	3.4	3.3
	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	2.3
	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	1.4	1.3
	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	0.7	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	0.2	0.1
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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(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	49	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:



## 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	20.8	19.6	21.2	21.5	18.6	20.2	19.0	20.5	20.9
3H	20.7	22.2	21.1	22.5	22.9	19.9	21.4	20.3	21.7	22.1
4H	21.2	22.6	21.6	22.9	23.3	20.3	21.7	20.8	22.0	22.4
6H	21.5	22.7	21.9	23.1	23.5	20.6	21.8	21.0	22.2	22.6
8H	21.5	22.7	22.0	23.1	23.6	20.6	21.8	21.0	22.2	22.6
12H	21.6	22.7	22.0	23.1	23.5	20.6	21.7	21.1	22.1	22.6
X=4H Y=2H	19.5	20.9	19.9	21.2	21.6	19.2	20.5	19.6	20.9	21.3
3H	21.1	22.3	21.6	22.7	23.1	20.7	21.8	21.1	22.2	22.6
4H	21.7	22.7	22.1	23.1	23.6	21.2	22.2	21.6	22.6	23.1
6H	22.0	22.9	22.5	23.4	23.8	21.5	22.4	22.0	22.8	23.3
8H	22.1	22.9	22.6	23.4	23.9	21.5	22.4	22.0	22.8	23.3
12H	22.1	22.8	22.6	23.3	23.8	21.6	22.3	22.1	22.8	23.3
X=8H Y=4H	21.7	22.6	22.2	23.0	23.5	21.4	22.2	21.9	22.7	23.2
6H	22.1	22.8	22.6	23.3	23.8	21.8	22.5	22.3	23.0	23.5
8H	22.2	22.8	22.7	23.3	23.8	21.9	22.5	22.4	23.0	23.5
12H	22.2	22.8	22.7	23.3	23.9	21.9	22.5	22.5	23.0	23.6
X=12H Y=4H	21.7	22.5	22.2	22.9	23.4	21.4	22.2	21.9	22.6	23.1
6H	22.1	22.7	22.6	23.2	23.7	21.8	22.4	22.3	22.9	23.5
8H	22.2	22.7	22.7	23.2	23.8	21.9	22.5	22.5	23.0	23.6

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	0.59	0.69	0.76	0.81	0.88	0.93	0.97	1.01	1.04
	0.30		0.51	0.61	0.69	0.74	0.82	0.88	0.92	0.97	1.00
	0.20		0.46	0.56	0.63	0.69	0.77	0.83	0.88	0.94	0.97
0.50	0.50	0.20	0.57	0.67	0.74	0.78	0.85	0.90	0.93	0.97	0.99
	0.30		0.50	0.60	0.67	0.73	0.80	0.85	0.89	0.94	0.97
	0.20		0.45	0.55	0.62	0.68	0.76	0.81	0.85	0.91	0.94
0.30	0.50	0.20	0.56	0.65	0.71	0.76	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.59	0.66	0.71	0.78	0.83	0.86	0.90	0.93
	0.20		0.45	0.55	0.62	0.67	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.43	0.52	0.59	0.64	0.71	0.75	0.79	0.83	0.86
Rating: 3W 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	0.96	0.79	0.67	0.59	0.47	0.39	0.33	0.25	0.21	
	0.30		0.80	0.68	0.59	0.52	0.42	0.35	0.31	0.24	0.20	
	0.20		0.69	0.59	0.52	0.46	0.38	0.33	0.28	0.23	0.19	
0.50	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.40	0.31	0.24	0.20	
	0.30		0.79	0.66	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.68	0.58	0.51	0.45	0.37	0.32	0.27	0.22	0.18	
0.30	0.50	0.20	0.90	0.73	0.62	0.54	0.42	0.35	0.30	0.23	0.19	
	0.30		0.77	0.64	0.55	0.48	0.39	0.33	0.28	0.22	0.18	
	0.20		0.67	0.57	0.50	0.44	0.36	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.57	0.47	0.41	0.36	0.29	0.24	0.20	0.16	0.13	
Rating: 3W 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	0.22	0.22
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.05	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	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		0.05	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	0.18	0.19	0.20	0.20	0.20	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	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: 3W 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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	19.5	0.0	0.0	0.04	0.04
1.0-2.0	19.5	0.1	0.1	0.11	0.15
2.0-3.0	19.4	0.1	0.2	0.19	0.34
3.0-4.0	19.4	0.1	0.3	0.26	0.61
4.0-5.0	19.4	0.2	0.5	0.34	0.95
5.0-6.0	19.3	0.2	0.7	0.41	1.36
6.0-7.0	19.2	0.2	0.9	0.49	1.85
7.0-8.0	19.2	0.3	1.2	0.56	2.41
8.0-9.0	19.1	0.3	1.5	0.63	3.04
9.0-10.0	19.0	0.3	1.8	0.70	3.74
10.0-11.0	18.9	0.4	2.2	0.77	4.51
11.0-12.0	18.8	0.4	2.6	0.84	5.35
12.0-13.0	18.6	0.4	3.1	0.90	6.25
13.0-14.0	18.5	0.5	3.5	0.97	7.22
14.0-15.0	18.4	0.5	4.0	1.03	8.25
15.0-16.0	18.2	0.5	4.6	1.09	9.34
16.0-17.0	18.1	0.6	5.1	1.15	10.48
17.0-18.0	17.9	0.6	5.7	1.20	11.69
18.0-19.0	17.7	0.6	6.3	1.26	12.95
19.0-20.0	17.5	0.6	7.0	1.31	14.26
20.0-21.0	17.3	0.7	7.7	1.36	15.61
21.0-22.0	17.1	0.7	8.3	1.41	17.02
22.0-23.0	16.9	0.7	9.1	1.45	18.47
23.0-24.0	16.7	0.7	9.8	1.49	19.96
24.0-25.0	16.5	0.8	10.5	1.53	21.50
25.0-26.0	16.3	0.8	11.3	1.57	23.07
26.0-27.0	16.1	0.8	12.1	1.60	24.67
27.0-28.0	15.8	0.8	12.9	1.64	26.31
28.0-29.0	15.6	0.8	13.7	1.67	27.98
29.0-30.0	15.3	0.8	14.5	1.69	29.67
30.0-31.0	15.1	0.8	15.4	1.72	31.38
31.0-32.0	14.9	0.9	16.2	1.74	33.12
32.0-33.0	14.6	0.9	17.1	1.76	34.88
33.0-34.0	14.3	0.9	18.0	1.77	36.65
34.0-35.0	14.1	0.9	18.8	1.78	38.43
35.0-36.0	13.8	0.9	19.7	1.79	40.23

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	13.5	0.9	20.6	1.80	42.03
37.0-38.0	13.3	0.9	21.5	1.81	43.84
38.0-39.0	13.0	0.9	22.4	1.81	45.65
39.0-40.0	12.7	0.9	23.3	1.81	47.47
40.0-41.0	12.5	0.9	24.1	1.81	49.28
41.0-42.0	12.2	0.9	25.0	1.81	51.08
42.0-43.0	11.9	0.9	25.9	1.80	52.88
43.0-44.0	11.6	0.9	26.8	1.79	54.67
44.0-45.0	11.4	0.9	27.7	1.78	56.45
45.0-46.0	11.1	0.9	28.5	1.77	58.22
46.0-47.0	10.8	0.9	29.4	1.75	59.98
47.0-48.0	10.5	0.8	30.2	1.73	61.71
48.0-49.0	10.2	0.8	31.1	1.72	63.43
49.0-50.0	10.0	0.8	31.9	1.70	65.13
50.0-51.0	9.7	0.8	32.7	1.67	66.80
51.0-52.0	9.4	0.8	33.5	1.64	68.44
52.0-53.0	9.1	0.8	34.3	1.62	70.05
53.0-54.0	8.8	0.8	35.1	1.59	71.64
54.0-55.0	8.5	0.8	35.9	1.55	73.19
55.0-56.0	8.3	0.7	36.6	1.52	74.72
56.0-57.0	8.0	0.7	37.3	1.49	76.20
57.0-58.0	7.7	0.7	38.0	1.45	77.65
58.0-59.0	7.4	0.7	38.7	1.41	79.06
59.0-60.0	7.1	0.7	39.4	1.37	80.43
60.0-61.0	6.8	0.7	40.1	1.33	81.76
61.0-62.0	6.5	0.6	40.7	1.29	83.05
62.0-63.0	6.3	0.6	41.3	1.24	84.29
63.0-64.0	6.0	0.6	41.9	1.20	85.49
64.0-65.0	5.7	0.6	42.5	1.15	86.64
65.0-66.0	5.4	0.5	43.0	1.10	87.73
66.0-67.0	5.1	0.5	43.5	1.05	88.78
67.0-68.0	4.8	0.5	44.0	1.00	89.79
68.0-69.0	4.6	0.5	44.5	0.95	90.74
69.0-70.0	4.3	0.4	44.9	0.90	91.64
70.0-71.0	4.0	0.4	45.3	0.85	92.48
71.0-72.0	3.7	0.4	45.7	0.79	93.27

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	3.5	0.4	46.1	0.74	94.01
73.0-74.0	3.2	0.3	46.4	0.69	94.70
74.0-75.0	2.9	0.3	46.7	0.63	95.33
75.0-76.0	2.7	0.3	47.0	0.58	95.91
76.0-77.0	2.4	0.3	47.3	0.53	96.44
77.0-78.0	2.2	0.2	47.5	0.47	96.91
78.0-79.0	1.9	0.2	47.7	0.42	97.33
79.0-80.0	1.7	0.2	47.9	0.37	97.71
80.0-81.0	1.5	0.2	48.0	0.32	98.03
81.0-82.0	1.3	0.1	48.2	0.28	98.31
82.0-83.0	1.1	0.1	48.3	0.23	98.54
83.0-84.0	0.9	0.1	48.4	0.19	98.73
84.0-85.0	0.7	0.1	48.5	0.15	98.88
85.0-86.0	0.5	0.1	48.5	0.11	98.99
86.0-87.0	0.4	0.0	48.5	0.08	99.07
87.0-88.0	0.2	0.0	48.6	0.05	99.13
88.0-89.0	0.2	0.0	48.6	0.03	99.16
89.0-90.0	0.1	0.0	48.6	0.02	99.18
90.0-91.0	0.0	0.0	48.6	0.01	99.19
91.0-92.0	0.0	0.0	48.6	0.01	99.19
92.0-93.0	0.0	0.0	48.6	0.00	99.20
93.0-94.0	0.0	0.0	48.6	0.00	99.20
94.0-95.0	0.0	0.0	48.6	0.00	99.20
95.0-96.0	0.0	0.0	48.6	0.00	99.21
96.0-97.0	0.0	0.0	48.6	0.00	99.21
97.0-98.0	0.0	0.0	48.6	0.01	99.22
98.0-99.0	0.0	0.0	48.6	0.01	99.23
99.0-100.0	0.0	0.0	48.6	0.01	99.23
100.0-101.0	0.0	0.0	48.6	0.00	99.24
101.0-102.0	0.0	0.0	48.6	0.01	99.24
102.0-103.0	0.0	0.0	48.6	0.01	99.25
103.0-104.0	0.0	0.0	48.6	0.01	99.25
104.0-105.0	0.0	0.0	48.6	0.01	99.26
105.0-106.0	0.0	0.0	48.6	0.01	99.27
106.0-107.0	0.0	0.0	48.6	0.01	99.27
107.0-108.0	0.0	0.0	48.6	0.01	99.28

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	48.7	0.01	99.29
109.0-110.0	0.0	0.0	48.7	0.01	99.30
110.0-111.0	0.0	0.0	48.7	0.01	99.31
111.0-112.0	0.0	0.0	48.7	0.01	99.31
112.0-113.0	0.0	0.0	48.7	0.01	99.32
113.0-114.0	0.0	0.0	48.7	0.01	99.33
114.0-115.0	0.0	0.0	48.7	0.01	99.34
115.0-116.0	0.0	0.0	48.7	0.01	99.35
116.0-117.0	0.1	0.0	48.7	0.01	99.36
117.0-118.0	0.0	0.0	48.7	0.01	99.37
118.0-119.0	0.0	0.0	48.7	0.01	99.37
119.0-120.0	0.0	0.0	48.7	0.01	99.38
120.0-121.0	0.1	0.0	48.7	0.01	99.39
121.0-122.0	0.1	0.0	48.7	0.01	99.40
122.0-123.0	0.1	0.0	48.7	0.01	99.41
123.0-124.0	0.1	0.0	48.7	0.01	99.42
124.0-125.0	0.1	0.0	48.7	0.01	99.44
125.0-126.0	0.1	0.0	48.7	0.01	99.45
126.0-127.0	0.1	0.0	48.7	0.01	99.46
127.0-128.0	0.1	0.0	48.7	0.01	99.47
128.0-129.0	0.1	0.0	48.7	0.01	99.49
129.0-130.0	0.1	0.0	48.8	0.01	99.50
130.0-131.0	0.1	0.0	48.8	0.01	99.51
131.0-132.0	0.1	0.0	48.8	0.02	99.53
132.0-133.0	0.1	0.0	48.8	0.01	99.54
133.0-134.0	0.1	0.0	48.8	0.01	99.56
134.0-135.0	0.1	0.0	48.8	0.01	99.57
135.0-136.0	0.1	0.0	48.8	0.02	99.59
136.0-137.0	0.1	0.0	48.8	0.02	99.60
137.0-138.0	0.1	0.0	48.8	0.02	99.62
138.0-139.0	0.1	0.0	48.8	0.01	99.63
139.0-140.0	0.1	0.0	48.8	0.01	99.65
140.0-141.0	0.1	0.0	48.8	0.01	99.66
141.0-142.0	0.1	0.0	48.8	0.01	99.67
142.0-143.0	0.1	0.0	48.8	0.01	99.69
143.0-144.0	0.1	0.0	48.9	0.01	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 [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.1	0.0	48.9	0.01	99.72
145.0-146.0	0.1	0.0	48.9	0.01	99.73
146.0-147.0	0.1	0.0	48.9	0.01	99.74
147.0-148.0	0.1	0.0	48.9	0.01	99.76
148.0-149.0	0.1	0.0	48.9	0.01	99.77
149.0-150.0	0.1	0.0	48.9	0.01	99.78
150.0-151.0	0.1	0.0	48.9	0.01	99.80
151.0-152.0	0.1	0.0	48.9	0.01	99.81
152.0-153.0	0.1	0.0	48.9	0.01	99.82
153.0-154.0	0.1	0.0	48.9	0.01	99.83
154.0-155.0	0.1	0.0	48.9	0.01	99.84
155.0-156.0	0.1	0.0	48.9	0.01	99.86
156.0-157.0	0.1	0.0	48.9	0.01	99.87
157.0-158.0	0.1	0.0	48.9	0.01	99.88
158.0-159.0	0.1	0.0	48.9	0.01	99.89
159.0-160.0	0.1	0.0	48.9	0.01	99.90
160.0-161.0	0.1	0.0	49.0	0.01	99.91
161.0-162.0	0.1	0.0	49.0	0.01	99.92
162.0-163.0	0.1	0.0	49.0	0.01	99.93
163.0-164.0	0.1	0.0	49.0	0.01	99.93
164.0-165.0	0.1	0.0	49.0	0.01	99.94
165.0-166.0	0.1	0.0	49.0	0.01	99.95
166.0-167.0	0.1	0.0	49.0	0.01	99.96
167.0-168.0	0.1	0.0	49.0	0.01	99.96
168.0-169.0	0.1	0.0	49.0	0.01	99.97
169.0-170.0	0.1	0.0	49.0	0.01	99.97
170.0-171.0	0.1	0.0	49.0	0.00	99.98
171.0-172.0	0.1	0.0	49.0	0.00	99.98
172.0-173.0	0.1	0.0	49.0	0.00	99.99
173.0-174.0	0.1	0.0	49.0	0.00	99.99
174.0-175.0	0.1	0.0	49.0	0.00	99.99
175.0-176.0	0.1	0.0	49.0	0.00	100.00
176.0-177.0	0.1	0.0	49.0	0.00	100.00
177.0-178.0	0.2	0.0	49.0	0.00	100.00
178.0-179.0	0.2	0.0	49.0	0.00	100.00
179.0-180.0	0.1	0.0	49.0	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: