

Report No.:

Test Time: 2023/11/2 09:53

## Luminaire Property

Luminaire Manufacturer: Acolyte

Luminaire Category: Scroll pendants

Luminaire Description: Scroll pendants C50 RGBW SO 38W

Lamp Catalog: ALL ON Direct

Luminous Width (mm): 50

Voltage: 24.0 V

Power: 9.83 W

Luminous Length (mm): 300

Luminous Height (mm): 75

Current: 0.410 A

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 174.3 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H156.8,H99.4

Vertical Diffuse Angle(10%,50%): V157.1,V102.6

Luminaire Efficacy Rating (LER): 18

Max. Intensity: 69.78 cd

Total Rated Lamp Lumens: 174.3 lm

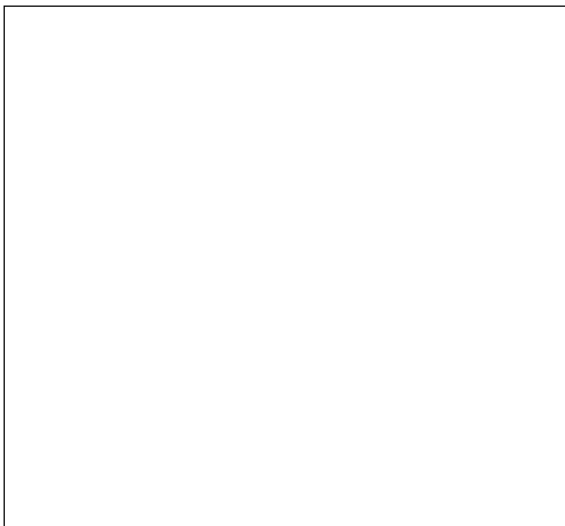
Efficiency: 100%

Upward Ratio: 1%

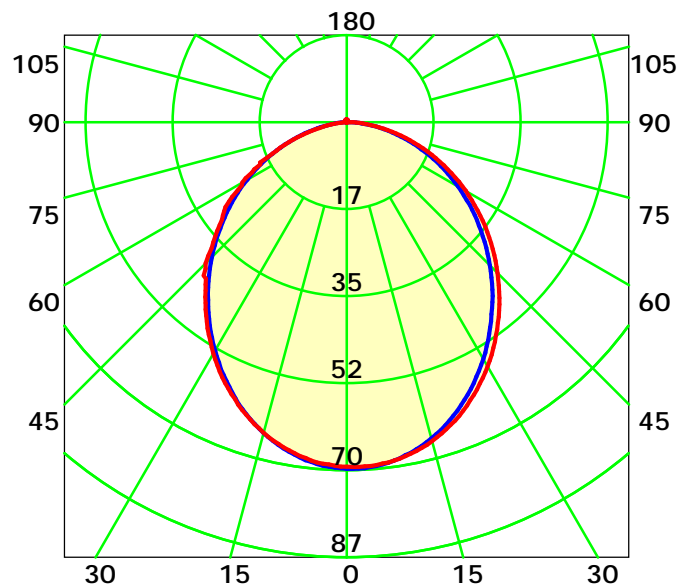
Central Intensity: 69.77 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 101.0° 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

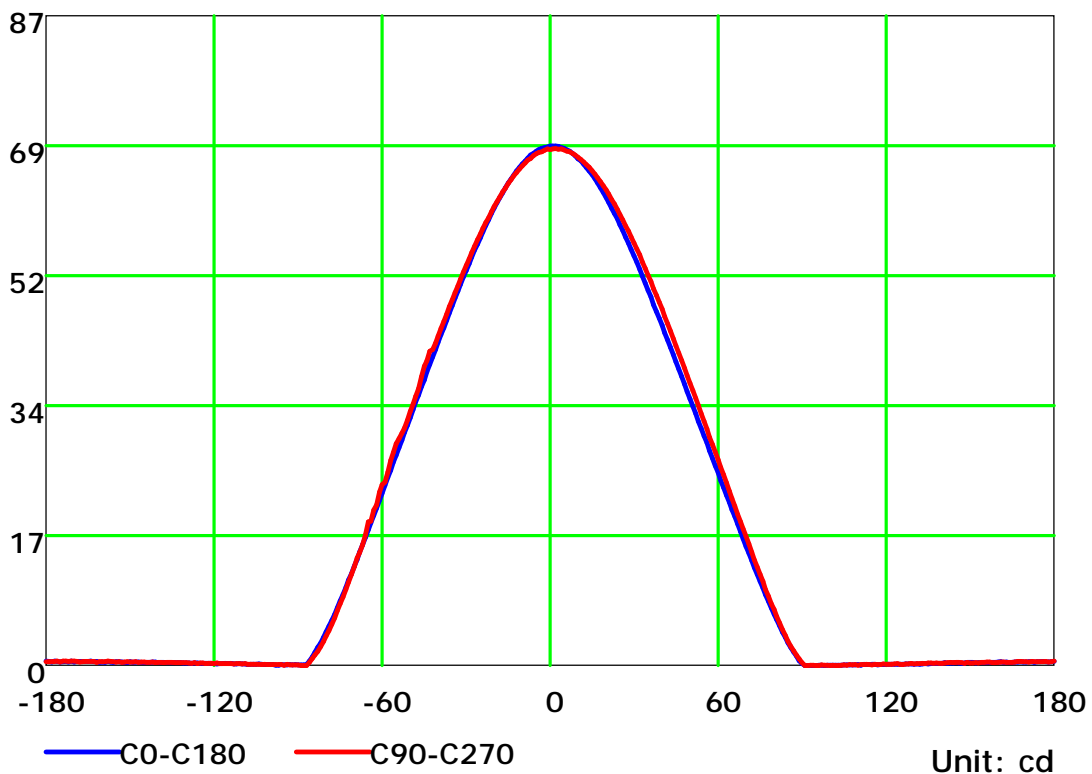
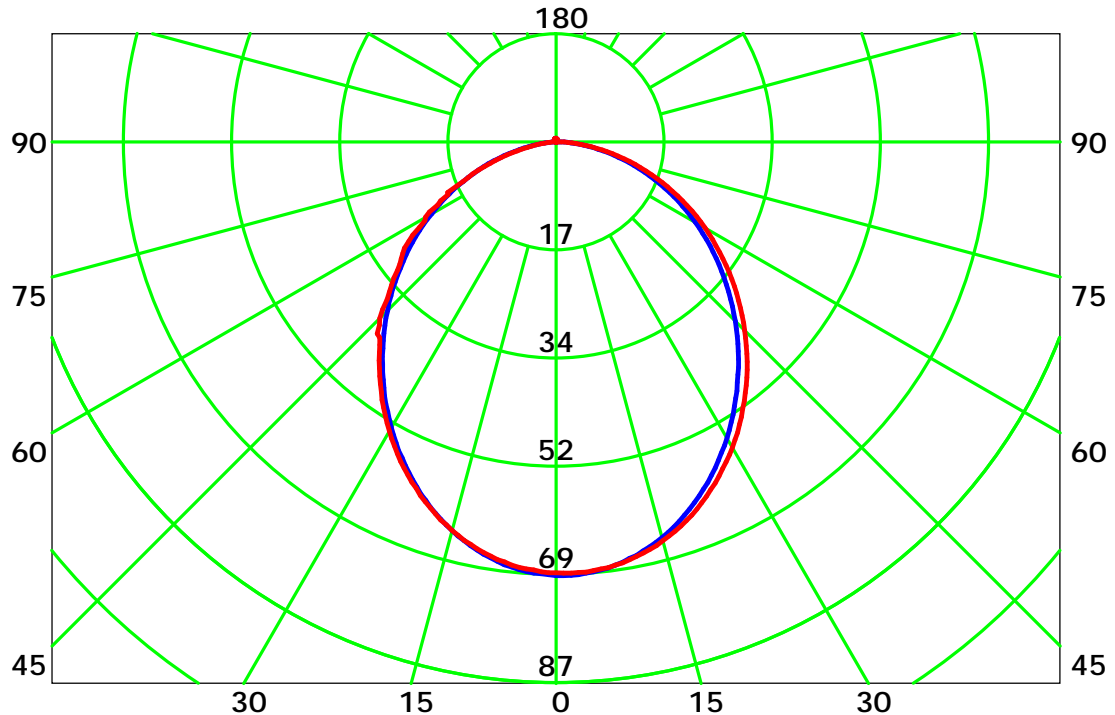
Distance: 9.028 m

Humidity: 60%

Inspector:



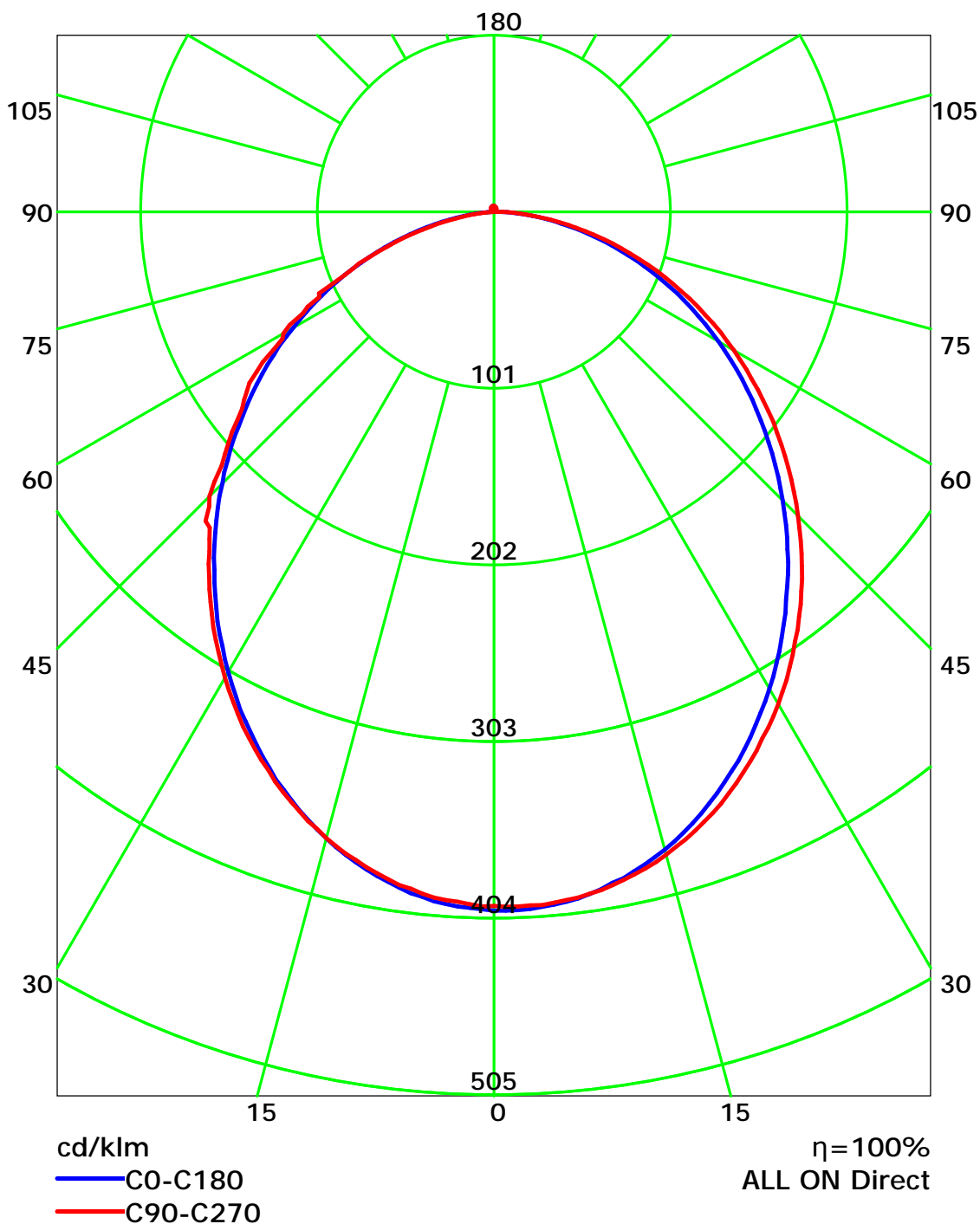
## Luminous Intensity Distribution Curve



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:

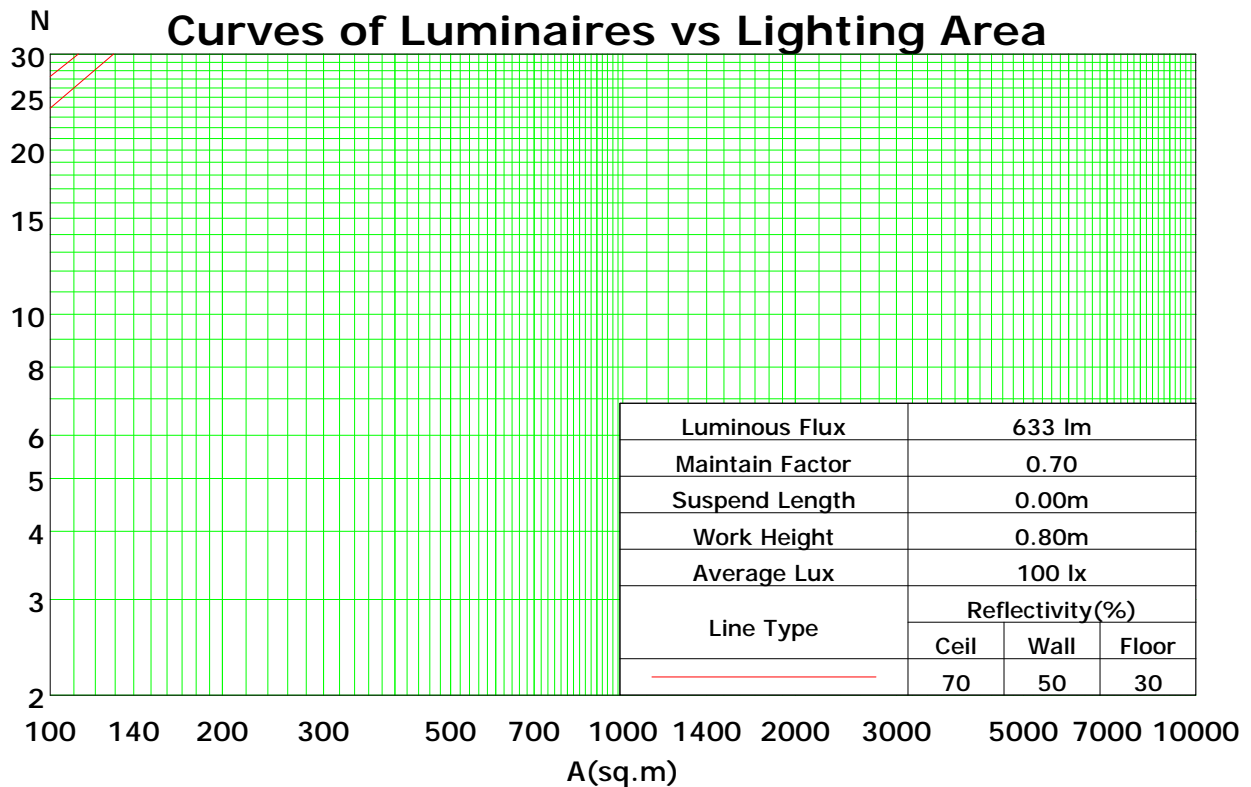
## Coefficients Of Utilization - Zonal Cavity Method

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	96	106	102	98	95	98	94	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	70
3	91	80	73	66	88	79	71	66	76	69	64	73	68	63	70	66	62	60
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	49	75	63	55	48	61	53	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	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	43	37	33	31
9	57	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	27	37	31	27	26

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.19

Spacing Criteria (Diagonal): 1.27



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

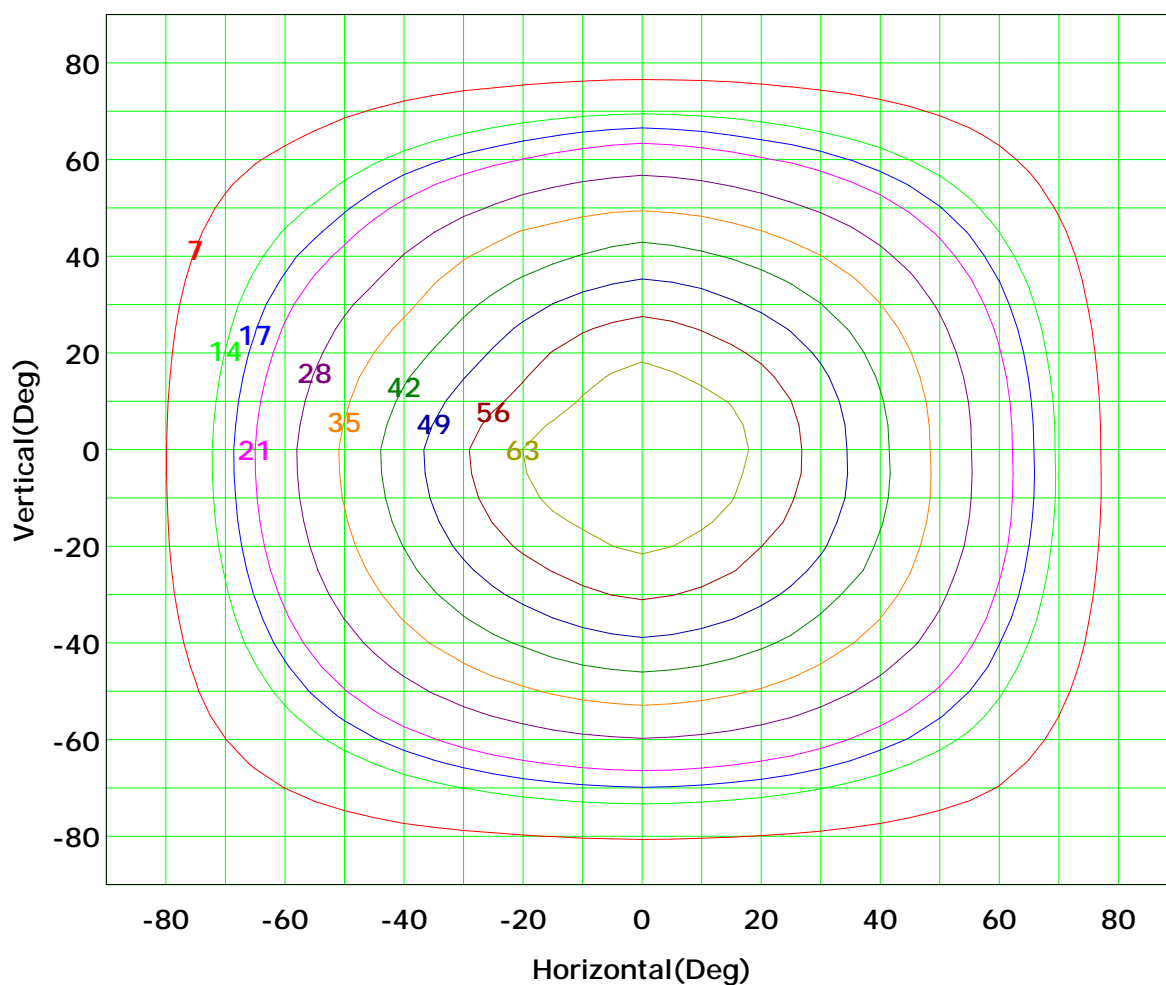
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



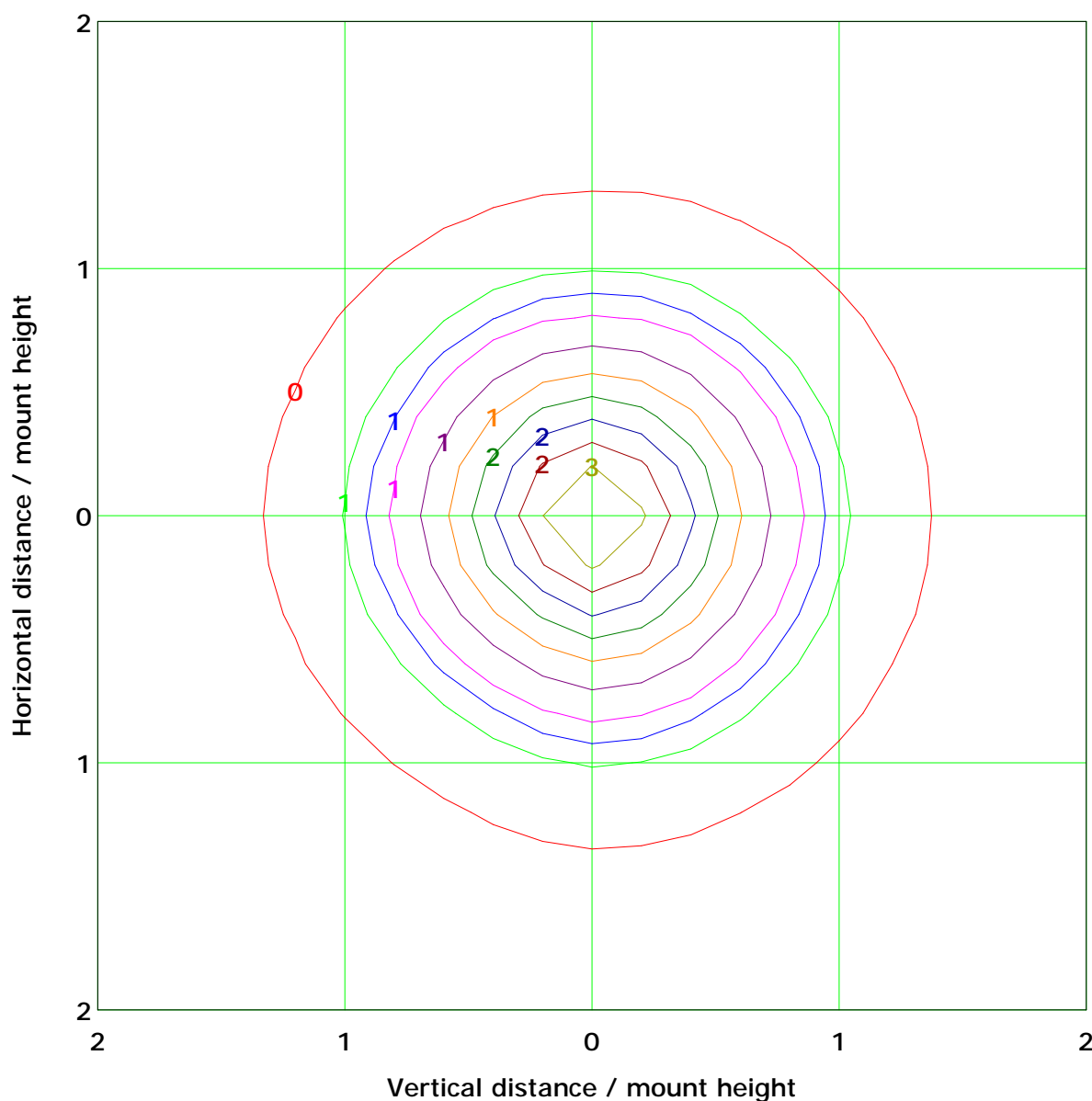
I<sub>max</sub> (100%): 70 cd

( 10%):	7 cd	( 20%):	14 cd
( 25%):	17 cd	( 30%):	21 cd
( 40%):	28 cd	( 50%):	35 cd
( 60%):	42 cd	( 70%):	49 cd
( 80%):	56 cd	( 90%):	63 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%): 2.8 lx

( 10%): 0.3 lx	( 20%): 0.6 lx
( 25%): 0.7 lx	( 30%): 0.8 lx
( 40%): 1.1 lx	( 50%): 1.4 lx
( 60%): 1.7 lx	( 70%): 2.0 lx
( 80%): 2.2 lx	( 90%): 2.5 lx

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

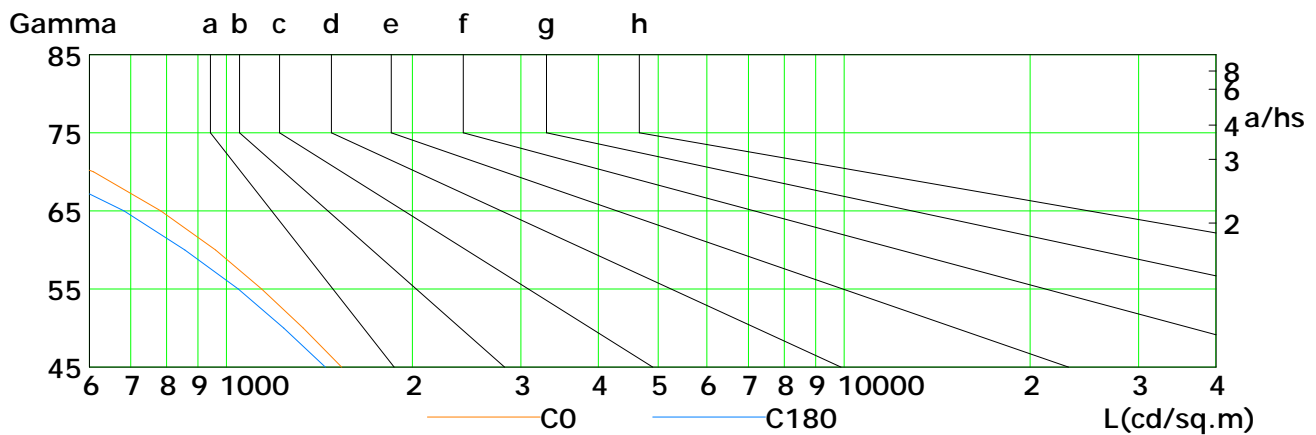
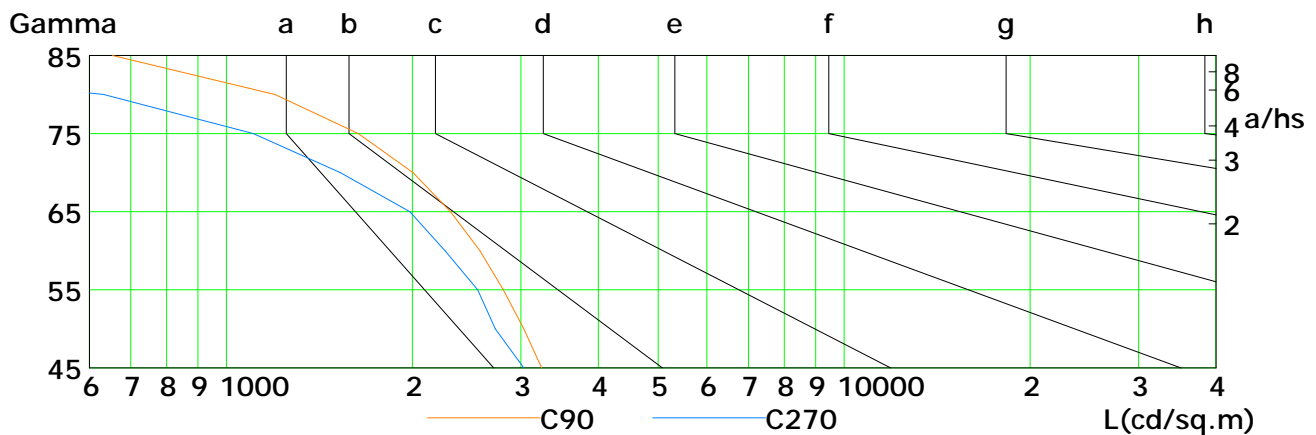
Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 9.028 m  
Humidity: 60%  
Inspector:



## 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



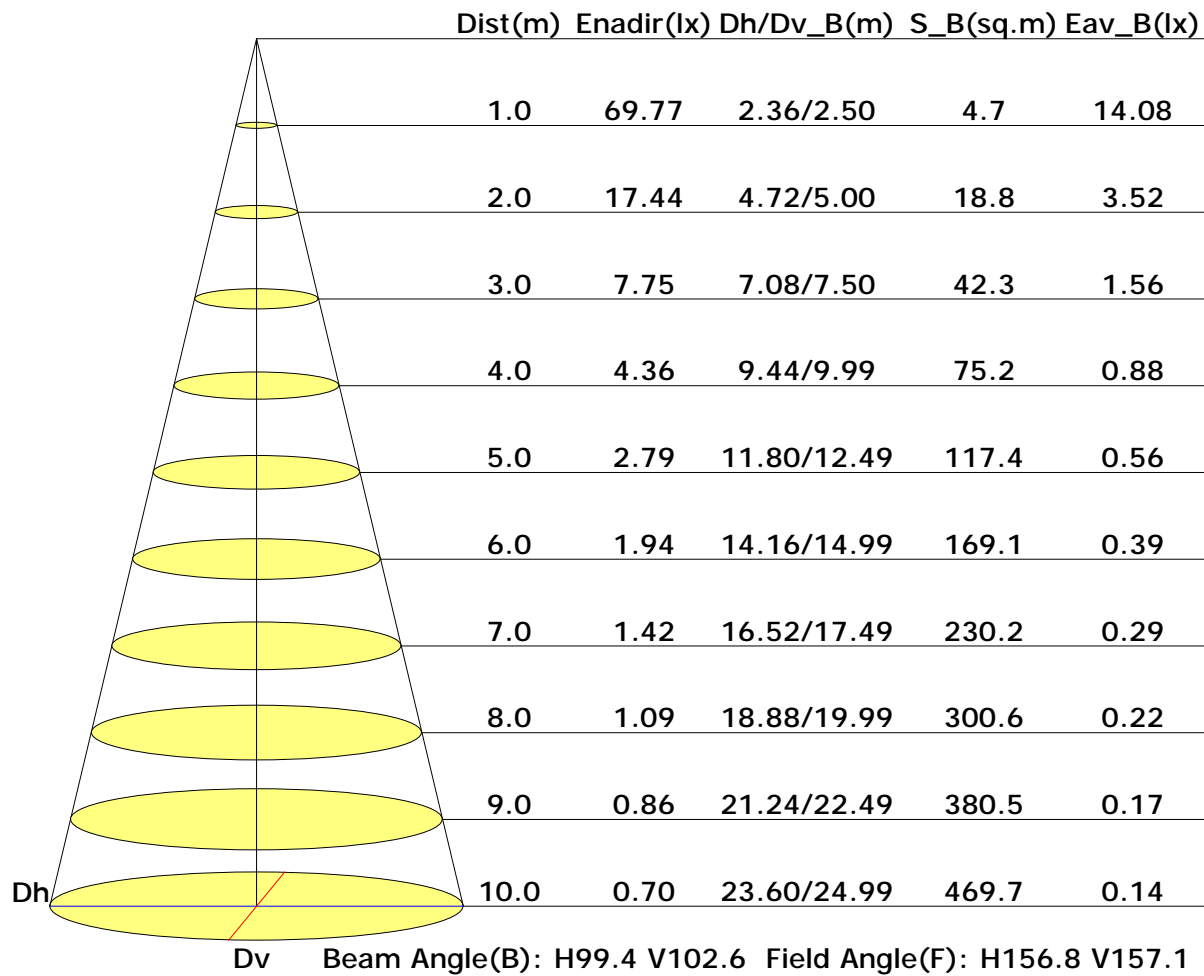
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1538	1332	1141	960	783	610	442	278	129
C90	3239	3031	2808	2575	2305	2006	1636	1199	654
C180	1447	1238	1046	857	683	508	339	183	50
C270	3031	2726	2553	2260	1982	1530	1106	634	190

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:



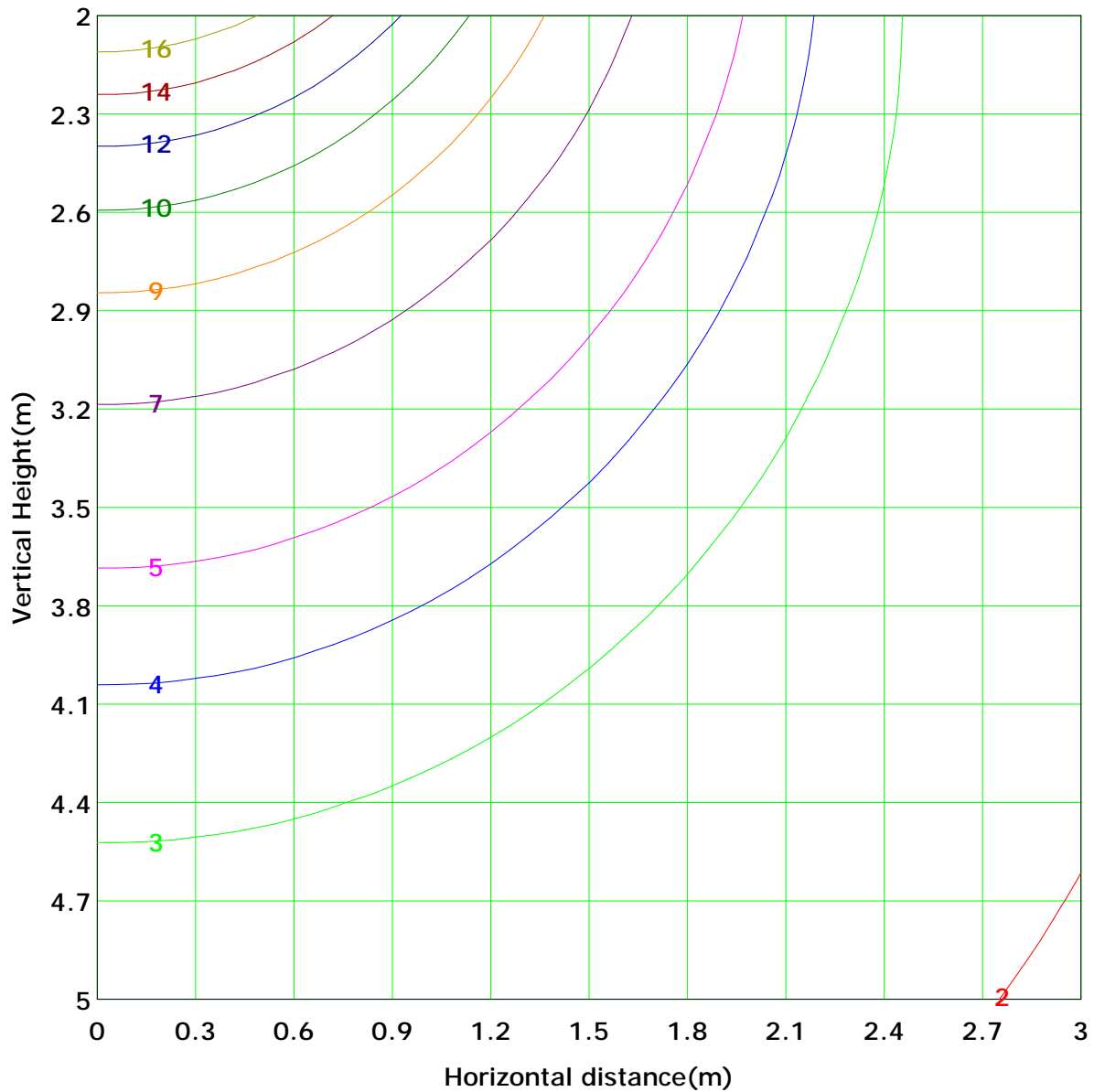
## Illuminance at a Distance







## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 17.4 lx
( 10%): 1.7 lx	( 20%): 3.5 lx	
( 25%): 4.4 lx	( 30%): 5.2 lx	
( 40%): 7.0 lx	( 50%): 8.7 lx	
( 60%): 10.5 lx	( 70%): 12.2 lx	
( 80%): 14.0 lx	( 90%): 15.7 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

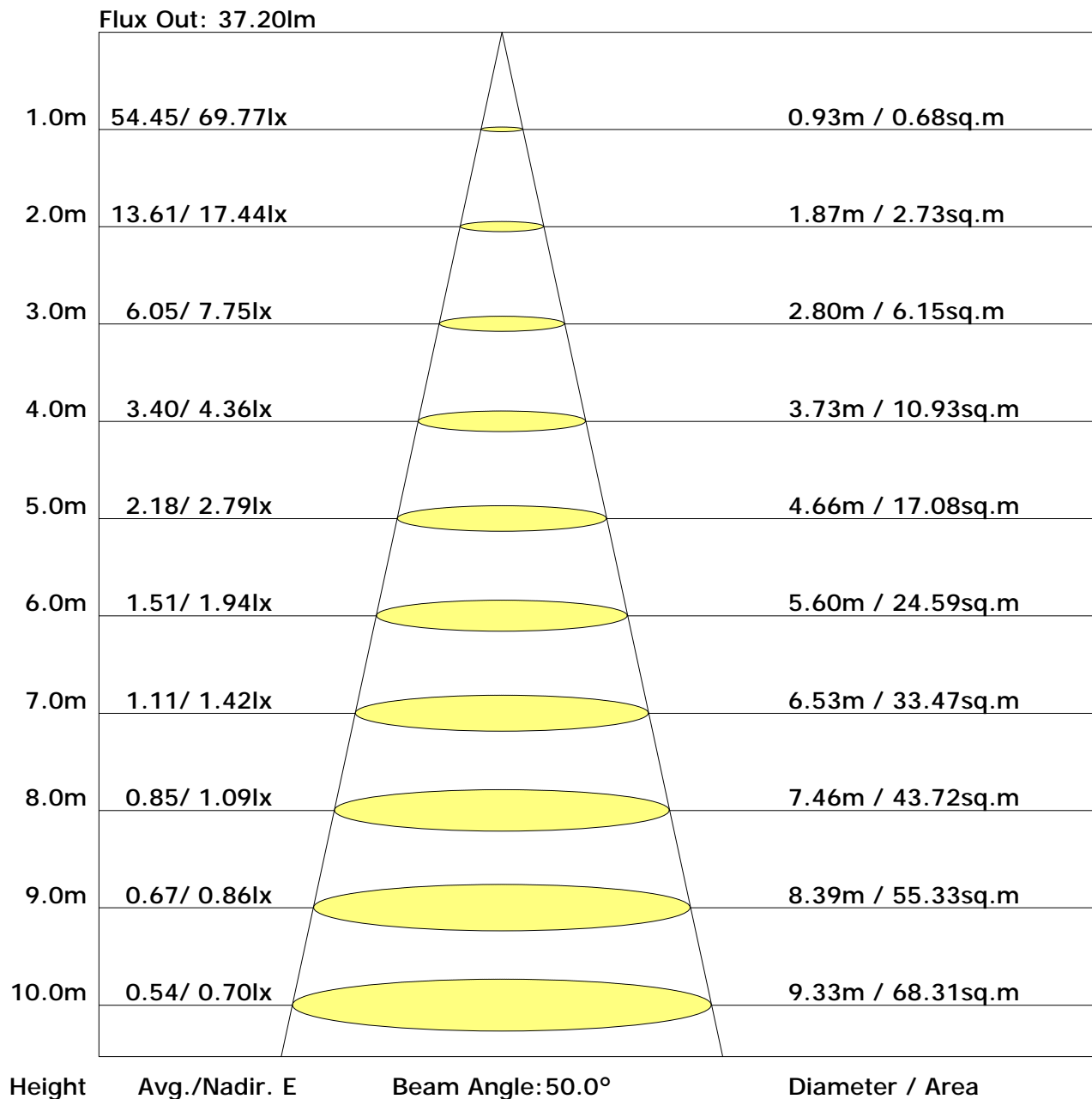
Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Horizontal plane	-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	-80	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.7	0.5
	-70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	2.5	2.3
	-60	0.0	0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.4	0.4	0.3	0.0	0.0	0.0	0.0	0.0	5.3	5.1
	-50	0.0	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.7	0.6	0.0	0.0	0.0	0.0	0.0	8.7	8.5
	-40	0.0	0.0	0.1	0.3	0.7	0.9	1.1	1.0	1.1	1.2	1.2	1.1	1.0	0.8	0.0	0.0	0.0	0.0	0.0	12.6	12.4
	-30	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.3	1.5	1.6	1.6	1.5	1.4	1.2	0.0	0.0	0.0	0.0	0.0	16.2	16.0
	-20	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	19.1	18.9
	-10	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	20.9	20.7
	0	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	20.8	20.6
	10	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	19.0	18.8
	20	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	16.1	15.9
	30	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	12.5	12.3
	40	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	8.8	8.6
	50	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	5.5	5.3
	60	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	2.8	2.6
	70	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	1.0	0.7
	80	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	90	0.0	0.1	0.2	0.4	0.9	1.1	1.3	1.6	1.9	2.0	2.1	2.0	1.9	1.6	0.0	0.0	0.0	0.0	0.0	173	169
	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		

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	19.7	21.3	20.1	21.6	21.9	18.7	20.2	19.0	20.6	20.9
3H	21.3	22.8	21.7	23.1	23.5	20.0	21.4	20.4	21.8	22.2
4H	21.9	23.2	22.3	23.6	24.0	20.4	21.8	20.8	22.1	22.5
6H	22.3	23.5	22.7	23.9	24.3	20.7	21.9	21.1	22.3	22.7
8H	22.4	23.6	22.8	24.0	24.4	20.7	21.9	21.2	22.3	22.7
12H	22.5	23.6	22.9	24.0	24.4	20.7	21.9	21.2	22.3	22.7
X=4H Y=2H	20.0	21.3	20.4	21.7	22.1	19.2	20.5	19.6	20.9	21.3
3H	21.7	22.9	22.2	23.3	23.7	20.7	21.8	21.2	22.3	22.7
4H	22.4	23.4	22.8	23.8	24.3	21.2	22.3	21.7	22.7	23.1
6H	22.9	23.7	23.3	24.2	24.7	21.6	22.5	22.0	22.9	23.4
8H	23.0	23.8	23.5	24.3	24.8	21.6	22.5	22.1	22.9	23.4
12H	23.1	23.8	23.6	24.3	24.8	21.7	22.4	22.2	22.9	23.4
X=8H Y=4H	22.5	23.3	22.9	23.7	24.2	21.5	22.3	21.9	22.7	23.2
6H	22.9	23.6	23.5	24.2	24.7	21.8	22.5	22.4	23.0	23.5
8H	23.1	23.7	23.7	24.3	24.8	22.0	22.6	22.5	23.1	23.6
12H	23.2	23.8	23.8	24.3	24.9	22.0	22.6	22.6	23.1	23.7
X=12H Y=4H	22.4	23.2	22.9	23.7	24.2	21.5	22.2	22.0	22.7	23.2
6H	23.0	23.6	23.5	24.1	24.6	21.9	22.5	22.4	23.0	23.5
8H	23.1	23.7	23.7	24.2	24.8	22.0	22.6	22.5	23.1	23.7

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 = 1.25								
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	0.58	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		0.45	0.56	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.57	0.67	0.73	0.78	0.85	0.89	0.93	0.97	0.99
	0.30		0.50	0.60	0.67	0.72	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	0.55	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	0.82	0.86	0.90	0.93
	0.20		0.45	0.54	0.61	0.67	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.52	0.59	0.64	0.70	0.75	0.79	0.83	0.86
Rating: 10W 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	0.97	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21	
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.69	0.59	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.93	0.76	0.65	0.56	0.45	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	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.90	0.73	0.62	0.54	0.43	0.35	0.30	0.23	0.19	
	0.30		0.77	0.64	0.55	0.49	0.39	0.33	0.28	0.22	0.18	
	0.20		0.67	0.58	0.50	0.45	0.37	0.31	0.27	0.21	0.17	
0.00	0.00	0.00	0.57	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
Rating: 10W 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	0.23
	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	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.17	0.17	0.19	0.19
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.15	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		0.06	0.07	0.09	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: 10W 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	68.6	0.1	0.1	0.04	0.04
1.0-2.0	68.6	0.2	0.3	0.11	0.15
2.0-3.0	68.5	0.3	0.6	0.19	0.34
3.0-4.0	68.3	0.5	1.0	0.26	0.60
4.0-5.0	68.2	0.6	1.6	0.34	0.94
5.0-6.0	68.0	0.7	2.3	0.41	1.35
6.0-7.0	67.8	0.8	3.2	0.48	1.83
7.0-8.0	67.6	1.0	4.2	0.56	2.39
8.0-9.0	67.2	1.1	5.2	0.63	3.01
9.0-10.0	66.9	1.2	6.5	0.70	3.71
10.0-11.0	66.6	1.3	7.8	0.76	4.47
11.0-12.0	66.2	1.4	9.2	0.83	5.30
12.0-13.0	65.8	1.6	10.8	0.90	6.20
13.0-14.0	65.4	1.7	12.5	0.96	7.16
14.0-15.0	64.9	1.8	14.3	1.02	8.18
15.0-16.0	64.3	1.9	16.1	1.08	9.26
16.0-17.0	63.8	2.0	18.1	1.14	10.40
17.0-18.0	63.2	2.1	20.2	1.20	11.60
18.0-19.0	62.6	2.2	22.4	1.25	12.85
19.0-20.0	62.0	2.3	24.7	1.30	14.15
20.0-21.0	61.3	2.4	27.0	1.35	15.50
21.0-22.0	60.6	2.4	29.4	1.40	16.90
22.0-23.0	59.9	2.5	32.0	1.44	18.34
23.0-24.0	59.1	2.6	34.5	1.48	19.82
24.0-25.0	58.4	2.7	37.2	1.52	21.35
25.0-26.0	57.6	2.7	39.9	1.56	22.91
26.0-27.0	56.8	2.8	42.7	1.59	24.50
27.0-28.0	55.9	2.8	45.5	1.62	26.13
28.0-29.0	55.1	2.9	48.4	1.65	27.78
29.0-30.0	54.3	2.9	51.3	1.68	29.46
30.0-31.0	53.4	3.0	54.3	1.71	31.17
31.0-32.0	52.6	3.0	57.3	1.73	32.90
32.0-33.0	51.7	3.0	60.4	1.75	34.64
33.0-34.0	50.7	3.1	63.4	1.76	36.41
34.0-35.0	49.8	3.1	66.5	1.78	38.18
35.0-36.0	48.9	3.1	69.7	1.79	39.97

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	48.0	3.1	72.8	1.80	41.77
37.0-38.0	47.1	3.1	75.9	1.80	43.57
38.0-39.0	46.1	3.1	79.1	1.81	45.38
39.0-40.0	45.2	3.2	82.2	1.81	47.18
40.0-41.0	44.2	3.1	85.4	1.81	48.99
41.0-42.0	43.2	3.1	88.5	1.80	50.79
42.0-43.0	42.3	3.1	91.7	1.80	52.59
43.0-44.0	41.3	3.1	94.8	1.79	54.38
44.0-45.0	40.3	3.1	97.9	1.78	56.16
45.0-46.0	39.4	3.1	101.0	1.77	57.93
46.0-47.0	38.4	3.1	104.0	1.75	59.68
47.0-48.0	37.4	3.0	107.0	1.74	61.42
48.0-49.0	36.4	3.0	110.0	1.72	63.14
49.0-50.0	35.5	3.0	113.0	1.70	64.84
50.0-51.0	34.4	2.9	115.9	1.67	66.51
51.0-52.0	33.4	2.9	118.8	1.64	68.15
52.0-53.0	32.4	2.8	121.6	1.62	69.77
53.0-54.0	31.4	2.8	124.4	1.59	71.36
54.0-55.0	30.4	2.7	127.1	1.56	72.91
55.0-56.0	29.4	2.7	129.7	1.53	74.44
56.0-57.0	28.4	2.6	132.3	1.49	75.93
57.0-58.0	27.4	2.5	134.9	1.45	77.39
58.0-59.0	26.4	2.5	137.3	1.42	78.80
59.0-60.0	25.4	2.4	139.7	1.37	80.18
60.0-61.0	24.4	2.3	142.0	1.33	81.51
61.0-62.0	23.4	2.3	144.3	1.29	82.80
62.0-63.0	22.4	2.2	146.5	1.25	84.05
63.0-64.0	21.3	2.1	148.6	1.20	85.25
64.0-65.0	20.4	2.0	150.6	1.16	86.41
65.0-66.0	19.3	1.9	152.5	1.11	87.52
66.0-67.0	18.3	1.8	154.4	1.05	88.57
67.0-68.0	17.3	1.8	156.1	1.00	89.58
68.0-69.0	16.3	1.7	157.8	0.96	90.53
69.0-70.0	15.3	1.6	159.3	0.90	91.43
70.0-71.0	14.4	1.5	160.8	0.85	92.29
71.0-72.0	13.4	1.4	162.2	0.80	93.09

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	12.4	1.3	163.5	0.75	93.83
73.0-74.0	11.5	1.2	164.7	0.69	94.52
74.0-75.0	10.5	1.1	165.8	0.64	95.16
75.0-76.0	9.6	1.0	166.9	0.58	95.74
76.0-77.0	8.7	0.9	167.8	0.53	96.28
77.0-78.0	7.8	0.8	168.6	0.48	96.76
78.0-79.0	6.9	0.7	169.4	0.43	97.18
79.0-80.0	6.1	0.7	170.0	0.38	97.56
80.0-81.0	5.3	0.6	170.6	0.33	97.89
81.0-82.0	4.5	0.5	171.1	0.28	98.17
82.0-83.0	3.8	0.4	171.5	0.24	98.41
83.0-84.0	3.1	0.3	171.8	0.19	98.60
84.0-85.0	2.5	0.3	172.1	0.15	98.76
85.0-86.0	1.8	0.2	172.3	0.12	98.87
86.0-87.0	1.3	0.1	172.4	0.08	98.95
87.0-88.0	0.9	0.1	172.5	0.05	99.01
88.0-89.0	0.6	0.1	172.6	0.04	99.05
89.0-90.0	0.3	0.0	172.6	0.02	99.07
90.0-91.0	0.1	0.0	172.7	0.01	99.08
91.0-92.0	0.1	0.0	172.7	0.00	99.08
92.0-93.0	0.1	0.0	172.7	0.00	99.09
93.0-94.0	0.1	0.0	172.7	0.01	99.09
94.0-95.0	0.1	0.0	172.7	0.00	99.10
95.0-96.0	0.1	0.0	172.7	0.00	99.10
96.0-97.0	0.1	0.0	172.7	0.01	99.10
97.0-98.0	0.1	0.0	172.7	0.01	99.11
98.0-99.0	0.1	0.0	172.7	0.01	99.12
99.0-100.0	0.1	0.0	172.7	0.01	99.12
100.0-101.0	0.1	0.0	172.8	0.01	99.13
101.0-102.0	0.1	0.0	172.8	0.01	99.14
102.0-103.0	0.1	0.0	172.8	0.01	99.14
103.0-104.0	0.1	0.0	172.8	0.01	99.15
104.0-105.0	0.1	0.0	172.8	0.01	99.16
105.0-106.0	0.1	0.0	172.8	0.01	99.17
106.0-107.0	0.1	0.0	172.8	0.01	99.18
107.0-108.0	0.2	0.0	172.9	0.01	99.19

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	0.2	0.0	172.9	0.01	99.19
109.0-110.0	0.2	0.0	172.9	0.01	99.20
110.0-111.0	0.2	0.0	172.9	0.01	99.21
111.0-112.0	0.2	0.0	172.9	0.01	99.23
112.0-113.0	0.2	0.0	172.9	0.01	99.24
113.0-114.0	0.2	0.0	173.0	0.01	99.25
114.0-115.0	0.2	0.0	173.0	0.01	99.26
115.0-116.0	0.2	0.0	173.0	0.01	99.27
116.0-117.0	0.2	0.0	173.0	0.01	99.28
117.0-118.0	0.2	0.0	173.0	0.01	99.30
118.0-119.0	0.2	0.0	173.1	0.01	99.31
119.0-120.0	0.2	0.0	173.1	0.01	99.32
120.0-121.0	0.2	0.0	173.1	0.01	99.33
121.0-122.0	0.3	0.0	173.1	0.01	99.35
122.0-123.0	0.3	0.0	173.2	0.01	99.36
123.0-124.0	0.3	0.0	173.2	0.01	99.37
124.0-125.0	0.3	0.0	173.2	0.01	99.39
125.0-126.0	0.3	0.0	173.2	0.01	99.40
126.0-127.0	0.3	0.0	173.3	0.01	99.42
127.0-128.0	0.3	0.0	173.3	0.01	99.43
128.0-129.0	0.3	0.0	173.3	0.01	99.45
129.0-130.0	0.3	0.0	173.3	0.01	99.46
130.0-131.0	0.3	0.0	173.4	0.01	99.48
131.0-132.0	0.3	0.0	173.4	0.02	99.49
132.0-133.0	0.3	0.0	173.4	0.02	99.51
133.0-134.0	0.3	0.0	173.4	0.02	99.52
134.0-135.0	0.3	0.0	173.5	0.02	99.54
135.0-136.0	0.4	0.0	173.5	0.02	99.55
136.0-137.0	0.4	0.0	173.5	0.02	99.57
137.0-138.0	0.4	0.0	173.5	0.02	99.59
138.0-139.0	0.4	0.0	173.6	0.02	99.60
139.0-140.0	0.4	0.0	173.6	0.02	99.62
140.0-141.0	0.4	0.0	173.6	0.01	99.63
141.0-142.0	0.4	0.0	173.7	0.02	99.65
142.0-143.0	0.4	0.0	173.7	0.02	99.66
143.0-144.0	0.4	0.0	173.7	0.02	99.68

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 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	0.4	0.0	173.7	0.02	99.69
145.0-146.0	0.4	0.0	173.8	0.01	99.71
146.0-147.0	0.4	0.0	173.8	0.01	99.72
147.0-148.0	0.4	0.0	173.8	0.01	99.74
148.0-149.0	0.4	0.0	173.8	0.01	99.75
149.0-150.0	0.4	0.0	173.9	0.01	99.76
150.0-151.0	0.4	0.0	173.9	0.01	99.78
151.0-152.0	0.4	0.0	173.9	0.01	99.79
152.0-153.0	0.5	0.0	173.9	0.01	99.80
153.0-154.0	0.5	0.0	174.0	0.01	99.82
154.0-155.0	0.5	0.0	174.0	0.01	99.83
155.0-156.0	0.5	0.0	174.0	0.01	99.84
156.0-157.0	0.5	0.0	174.0	0.01	99.85
157.0-158.0	0.5	0.0	174.0	0.01	99.87
158.0-159.0	0.5	0.0	174.1	0.01	99.88
159.0-160.0	0.5	0.0	174.1	0.01	99.89
160.0-161.0	0.5	0.0	174.1	0.01	99.90
161.0-162.0	0.5	0.0	174.1	0.01	99.91
162.0-163.0	0.5	0.0	174.1	0.01	99.92
163.0-164.0	0.5	0.0	174.1	0.01	99.93
164.0-165.0	0.5	0.0	174.2	0.01	99.94
165.0-166.0	0.5	0.0	174.2	0.01	99.94
166.0-167.0	0.5	0.0	174.2	0.01	99.95
167.0-168.0	0.5	0.0	174.2	0.01	99.96
168.0-169.0	0.5	0.0	174.2	0.01	99.96
169.0-170.0	0.5	0.0	174.2	0.01	99.97
170.0-171.0	0.5	0.0	174.2	0.01	99.98
171.0-172.0	0.5	0.0	174.2	0.00	99.98
172.0-173.0	0.5	0.0	174.2	0.00	99.99
173.0-174.0	0.5	0.0	174.3	0.00	99.99
174.0-175.0	0.5	0.0	174.3	0.00	99.99
175.0-176.0	0.5	0.0	174.3	0.00	100.00
176.0-177.0	0.6	0.0	174.3	0.00	100.00
177.0-178.0	0.5	0.0	174.3	0.00	100.00
178.0-179.0	0.5	0.0	174.3	0.00	100.00
179.0-180.0	0.6	0.0	174.3	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: