

Report No.:

Test Time: 2020/4/28 15:07

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RBMC20241.0UV-140-0.5M

Luminaire Description: RBMC20241.0UV-140-0.5M

Luminous Length (mm): 50

Luminous Width (mm): 5

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.070 A

Power: 1.67 W

Power Factor: 1.000

## Photometric Results

CIE Class: Semi-Direct

Total Rated Lamp Lumens: 1.4 lm

Measurement Flux: 1.4 lm

Efficiency: 100%

Downward Ratio: 85%

Upward Ratio: 15%

Horizontal Diffuse Angle(10%,50%): H181.8,H130.8

Vertical Diffuse Angle(10%,50%): V179.4,V141.1

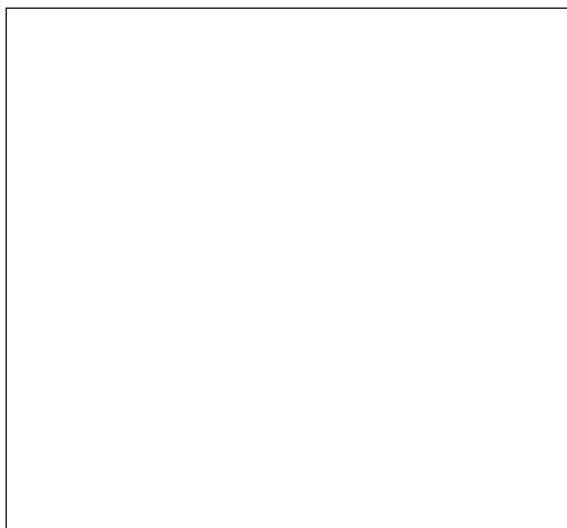
Luminaire Efficacy Rating (LER): 1

Central Intensity: 0.34 cd

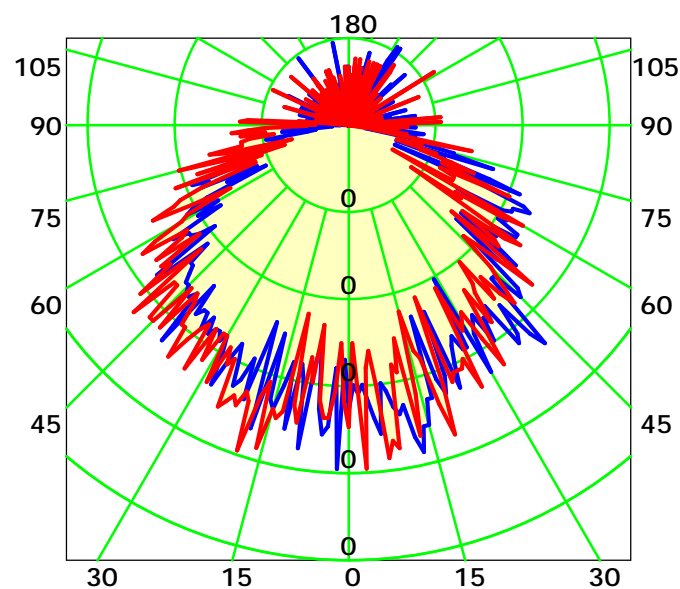
Max. Intensity: 0.41 cd

Pos of Max. Intensity: H90 V3

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 135.9° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

Gamma Plane (°):0.0-180.0: 1.0

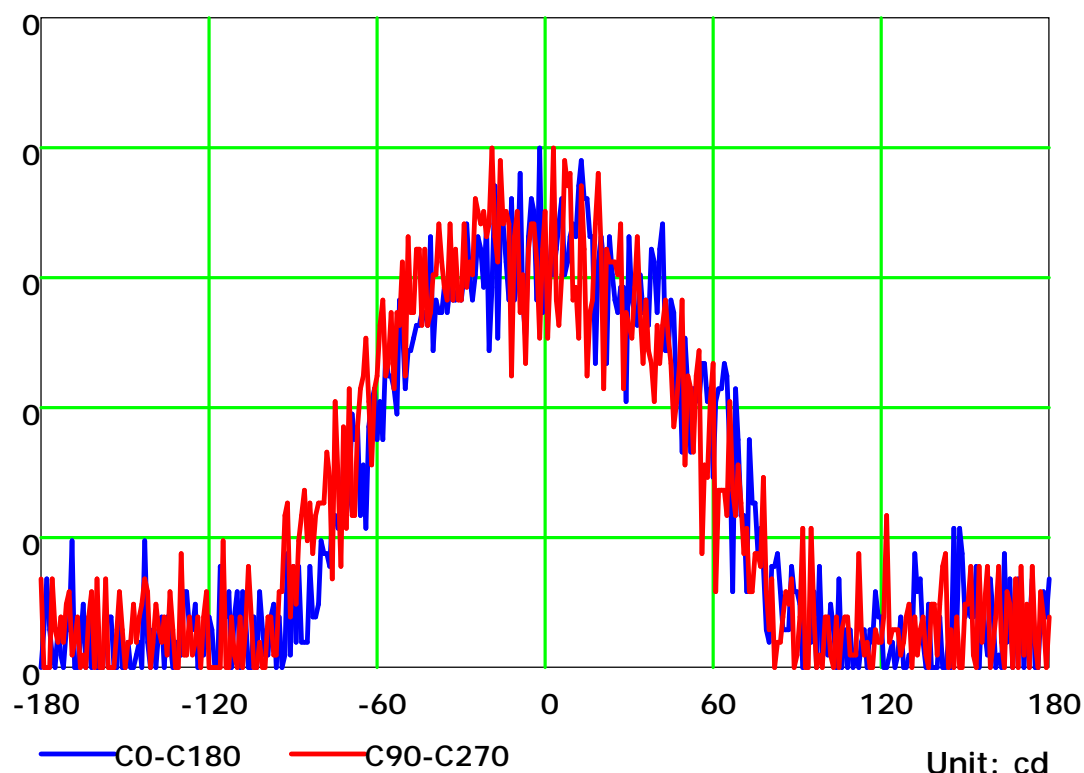
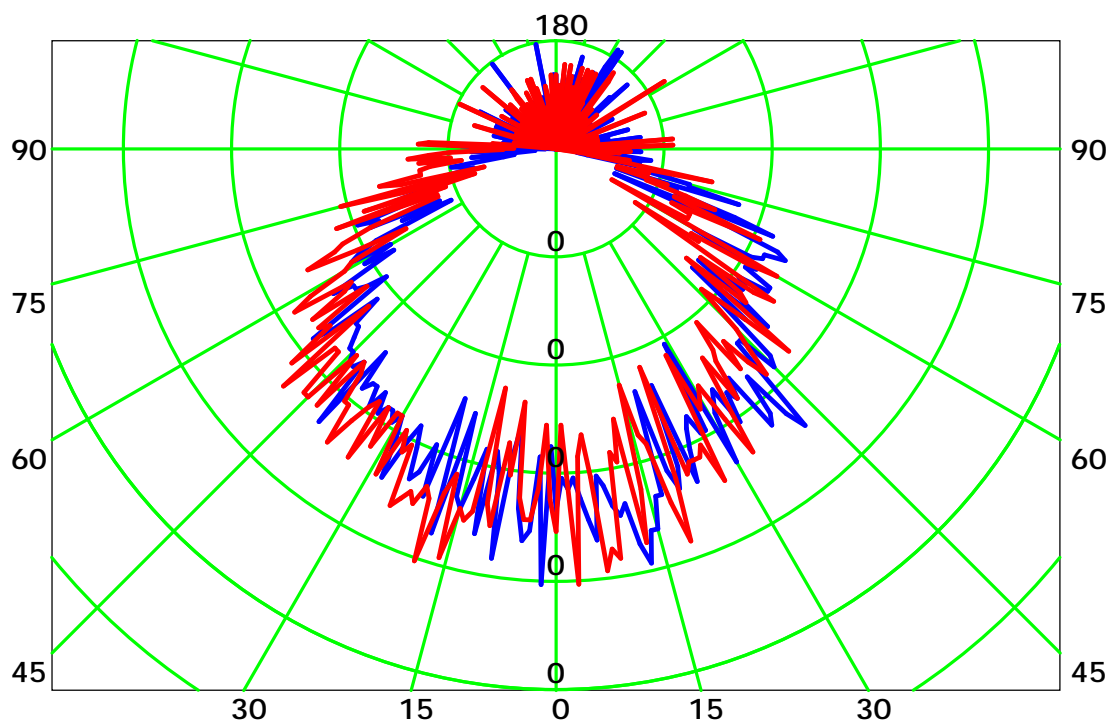
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

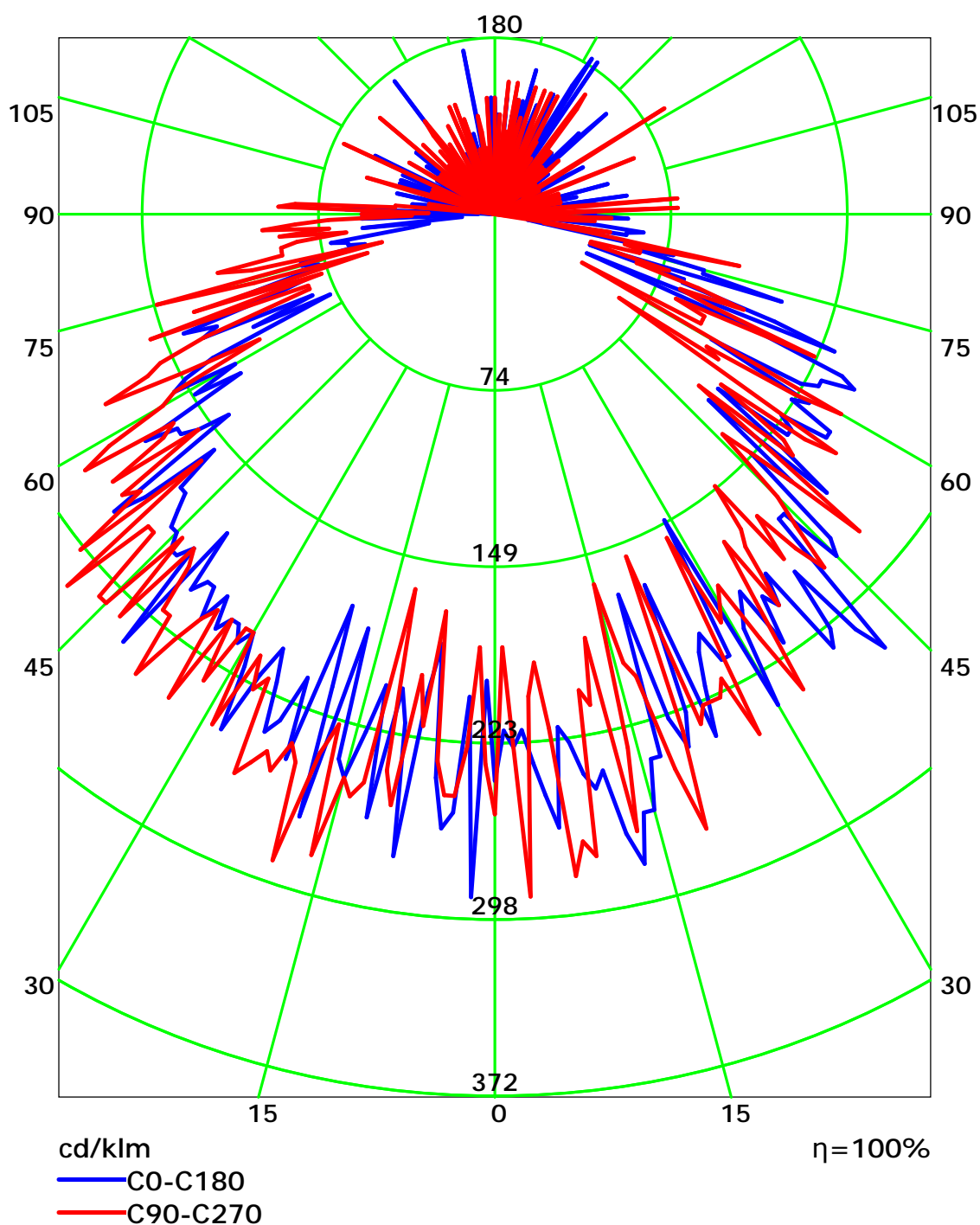
## Luminous Intensity Distribution Curve



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

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: ACOLYTE  
Test Type: TYPE C  
Temperature: 25  
Operator: Zk

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

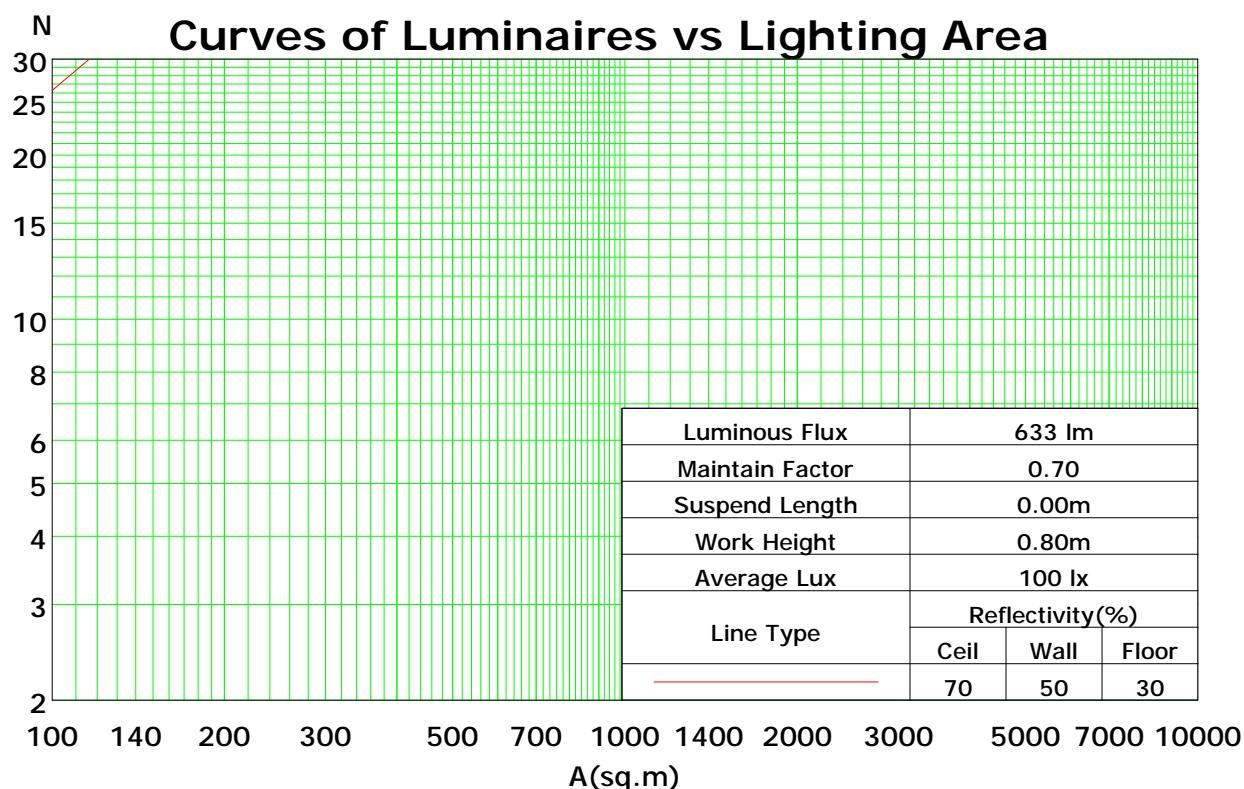
## Coefficients Of Utilization - Zonal Cavity Method

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	111	111	111	111	103	103	103	96	96	96	89	89	89	85
1	104	98	93	89	99	94	90	86	87	84	81	81	78	76	75	73	71	68
2	93	84	77	71	89	81	74	69	75	70	65	70	65	61	65	61	58	55
3	85	73	65	58	81	71	63	56	65	59	53	61	55	51	56	52	48	45
4	77	64	55	48	73	62	53	47	58	50	45	54	47	43	50	45	40	38
5	70	57	48	41	67	55	46	40	51	44	38	48	41	36	44	39	35	32
6	65	51	42	35	62	49	41	34	46	39	33	43	36	32	40	35	30	28
7	60	46	37	31	57	45	36	30	42	34	29	39	32	28	36	31	27	24
8	56	42	33	27	53	40	32	27	38	31	26	36	29	25	33	28	24	21
9	52	38	30	24	50	37	29	24	35	28	23	33	26	22	31	25	21	19
10	48	35	27	22	46	34	26	21	32	25	21	30	24	20	28	23	19	17

Spacing Criteria (0-180): 1.27

Spacing Criteria (90-270): 1.06

Spacing Criteria (Diagonal): 1.52



C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

Gamma Plane (°):0.0-180.0: 1.0

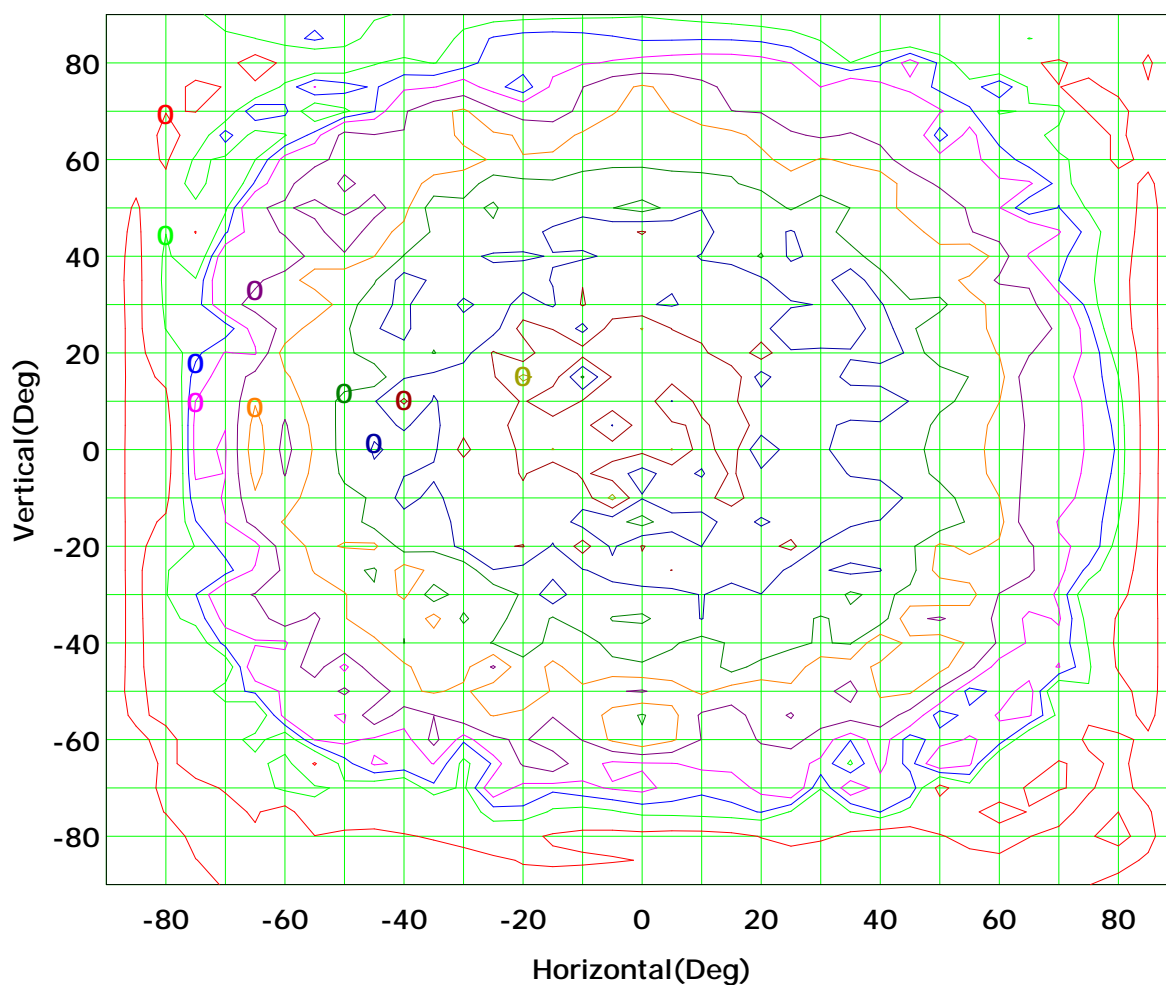
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Isocandela (rectangle)



Imax (100%): 0 cd

( 10%):	0 cd	( 20%):	0 cd
( 25%):	0 cd	( 30%):	0 cd
( 40%):	0 cd	( 50%):	0 cd
( 60%):	0 cd	( 70%):	0 cd
( 80%):	0 cd	( 90%):	0 cd

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

Gamma Plane (°):0.0-180.0: 1.0

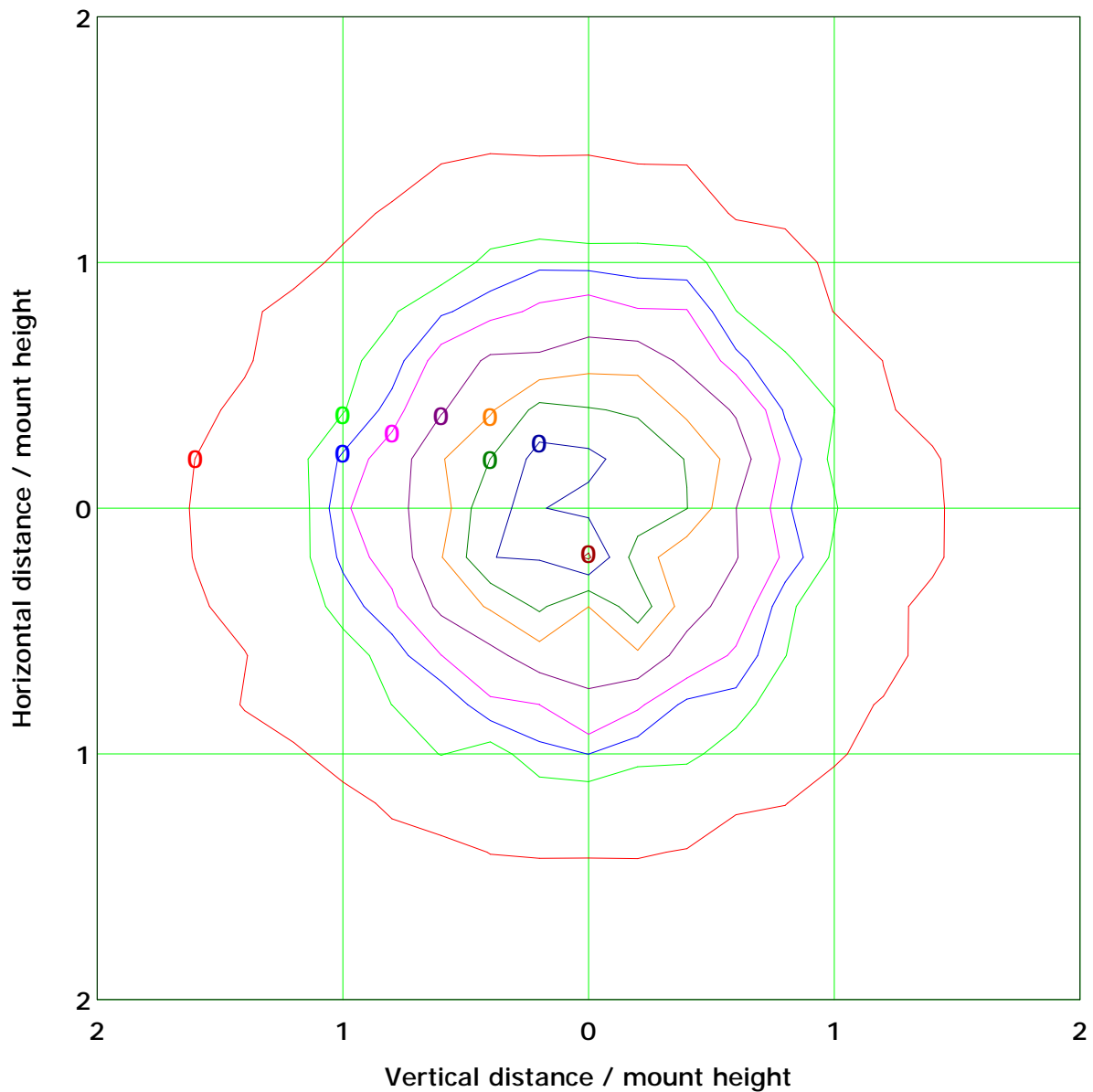
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 0.0 lx

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

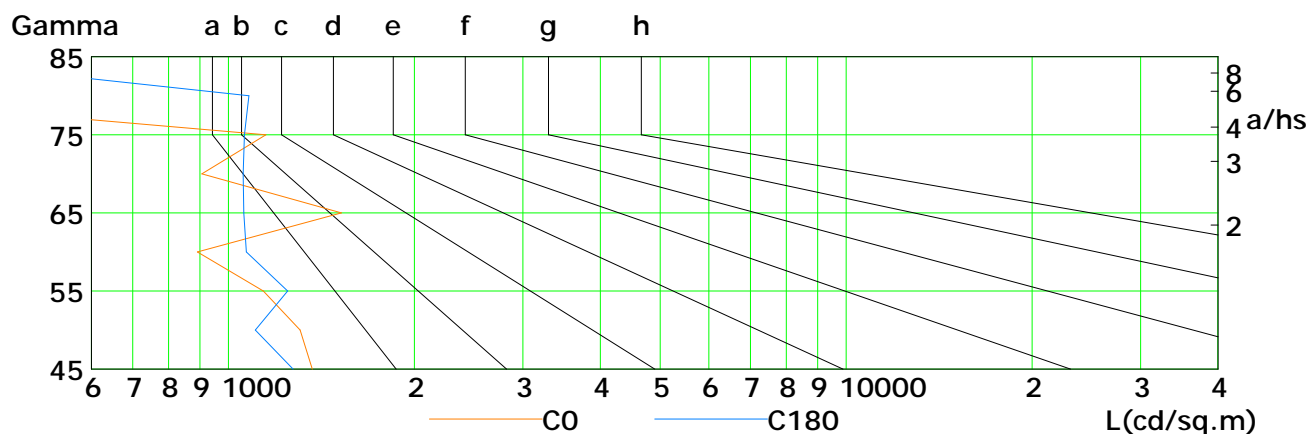
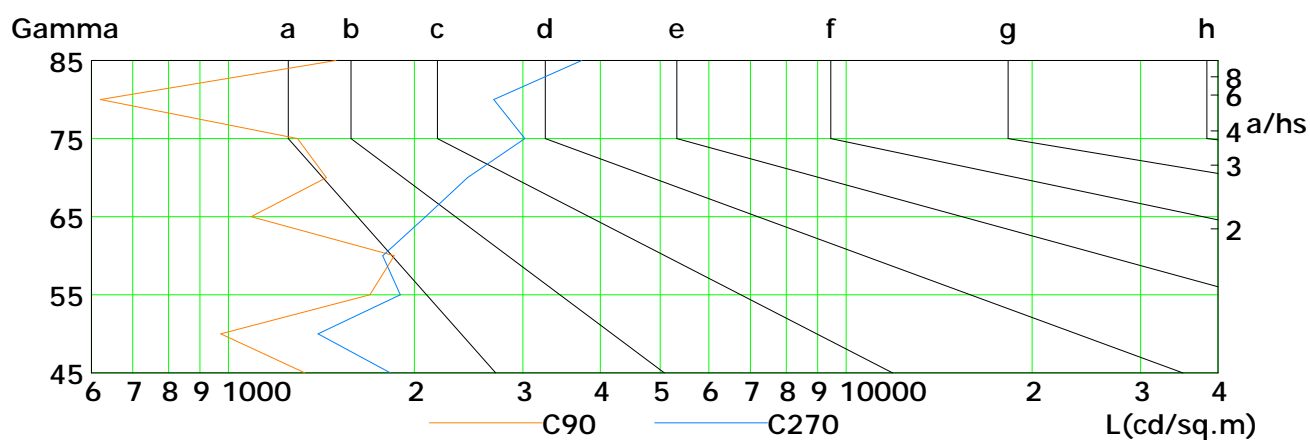
C Plane (°):0.0-360.0: 30.0  
Test Lab: ACOLYTE  
Test Type: TYPE C  
Temperature: 25  
Operator: Zk

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	1367	1307	1139	891	1523	906	1150	216	419
C90	1331	972	1695	1856	1089	1441	1294	621	1494
C180	1273	1106	1248	1070	1060	1057	1062	1079	279
C270	1830	1398	1898	1778	2087	2439	3020	2690	3736

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

Gamma Plane (°):0.0-180.0:1.0

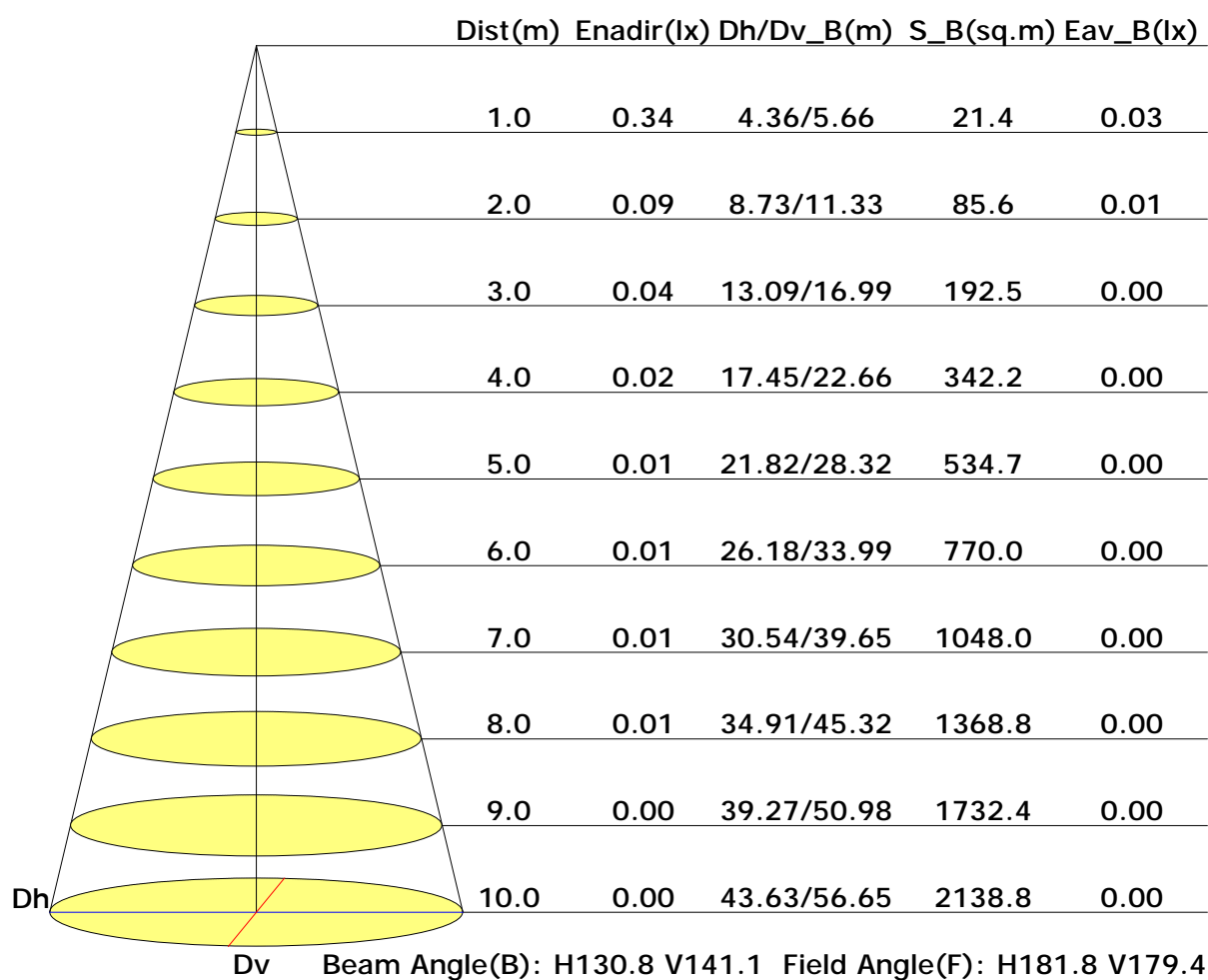
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

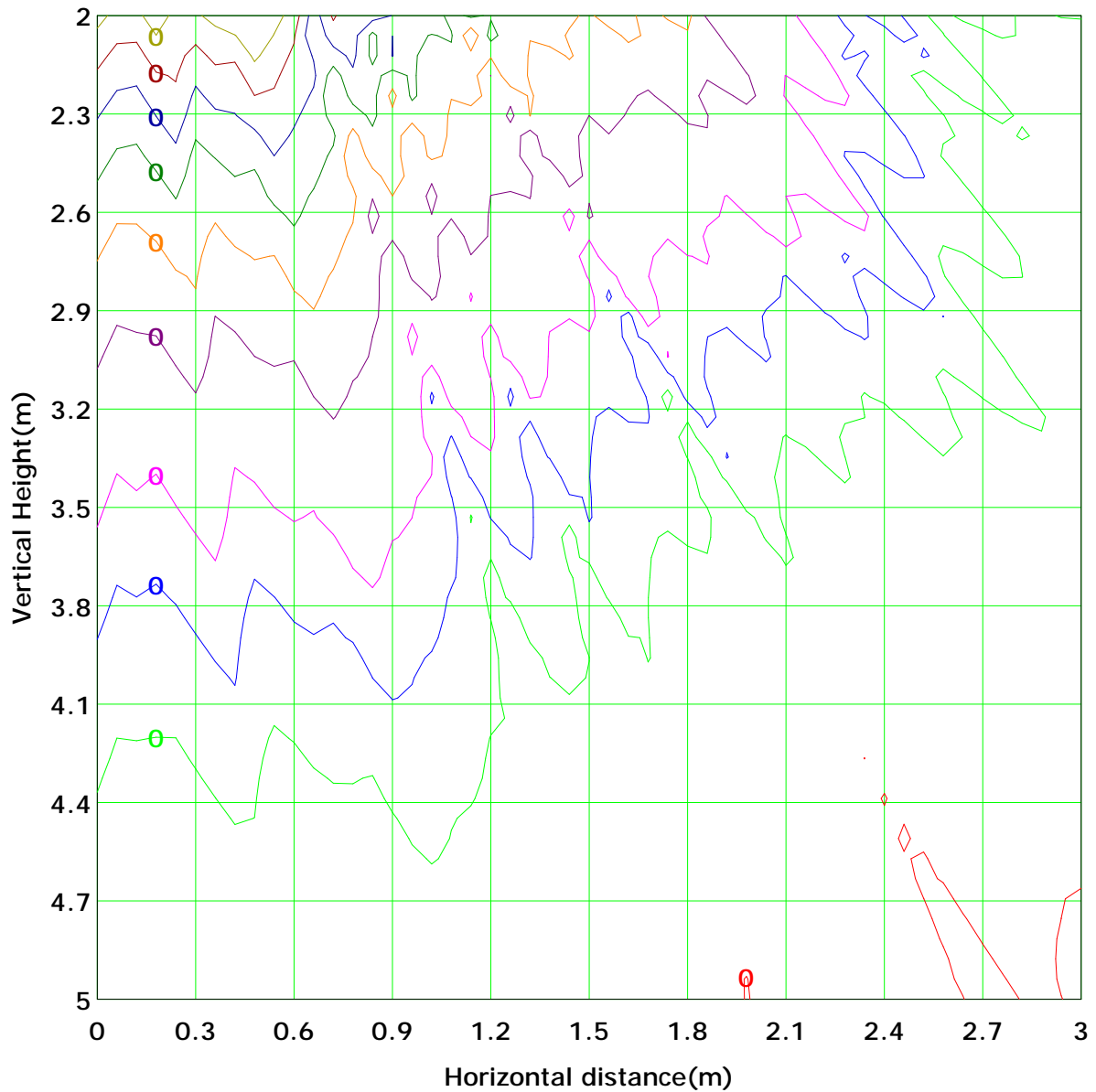
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 0.1 lx
( 10%): 0.0 lx	( 20%): 0.0 lx	
( 25%): 0.0 lx	( 30%): 0.0 lx	
( 40%): 0.0 lx	( 50%): 0.0 lx	
( 60%): 0.1 lx	( 70%): 0.1 lx	
( 80%): 0.1 lx	( 90%): 0.1 lx	

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

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

## Area Flux Table

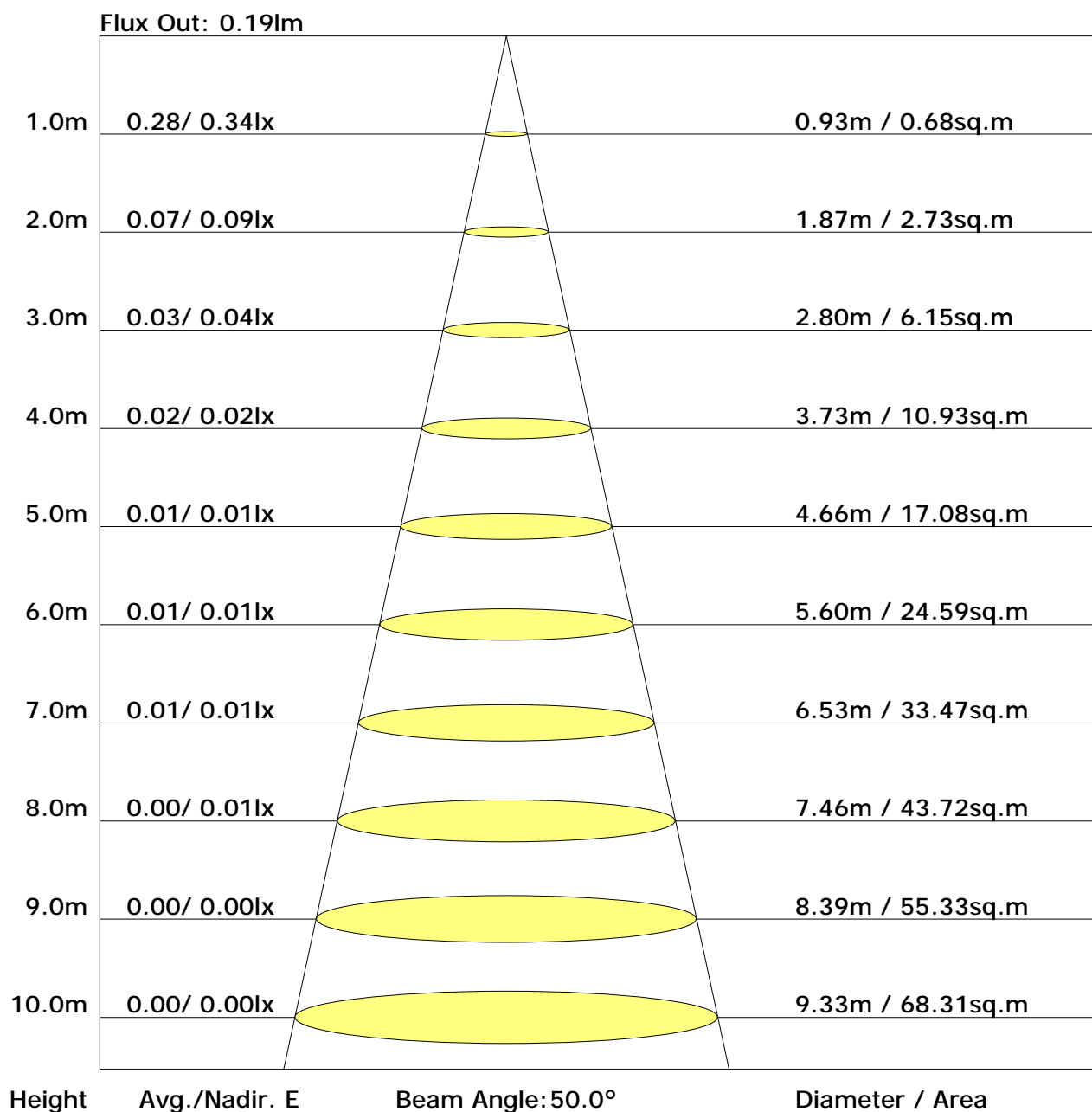
Unit: lm

		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	0.0	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
	-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	0.1	0.1
	-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	0.1	0.1
	-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	0.1	0.1
	-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	0.1	0.1
	-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	0.1	0.1
	-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	0.1	0.1
	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	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	0.1	0.1
	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	0.1	0.1
	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	0.1	0.1
	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	0.1	0.1
	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	0.1	0.1
	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	0.1	0.1
	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	0.0	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
		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1	1

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

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

## The Average Illuminance Effective Figure



## 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	35.2	36.5	35.8	37.1	37.9	33.3	34.6	33.9	35.3	36.0
3H	37.8	39.1	38.5	39.7	40.5	35.3	36.5	35.9	37.2	37.9
4H	38.8	40.0	39.5	40.7	41.4	35.8	37.0	36.5	37.7	38.4
6H	39.2	40.3	39.9	41.0	41.8	36.7	37.8	37.3	38.4	39.2
8H	39.7	40.7	40.4	41.4	42.2	36.7	37.8	37.4	38.5	39.2
12H	40.0	41.0	40.7	41.7	42.5	36.8	37.8	37.5	38.5	39.3
X=4H Y=2H	35.5	36.7	36.2	37.4	38.1	33.7	34.9	34.3	35.5	36.3
3H	38.6	39.6	39.3	40.3	41.1	36.2	37.2	36.9	37.9	38.7
4H	39.7	40.6	40.4	41.3	42.1	36.9	37.8	37.6	38.5	39.3
6H	40.2	41.1	40.9	41.8	42.6	37.8	38.6	38.5	39.4	40.2
8H	40.8	41.6	41.5	42.3	43.1	37.9	38.7	38.6	39.4	40.2
12H	41.2	41.8	41.9	42.6	43.4	38.0	38.7	38.7	39.4	40.3
X=8H Y=4H	39.9	40.7	40.6	41.4	42.2	37.4	38.1	38.1	38.8	39.7
6H	40.7	41.4	41.5	42.1	43.0	38.5	39.2	39.3	39.9	40.8
8H	41.4	42.0	42.2	42.7	43.6	38.6	39.2	39.4	40.0	40.8
12H	41.8	42.3	42.5	43.1	44.0	38.8	39.3	39.6	40.1	41.0
X=12H Y=4H	40.0	40.7	40.7	41.4	42.3	37.5	38.2	38.2	38.9	39.7
6H	40.9	41.4	41.6	42.2	43.0	38.6	39.2	39.4	39.9	40.8
8H	41.5	42.1	42.3	42.8	43.7	38.8	39.3	39.5	40.0	40.9

Calculate in accordance with CIE 190:2010

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

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 = 1.50								
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	0.51	0.60	0.67	0.73	0.80	0.85	0.89	0.94	0.97
	0.30		0.43	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.93
	0.20		0.38	0.45	0.53	0.59	0.67	0.74	0.78	0.85	0.89
0.50	0.50	0.20	0.48	0.56	0.62	0.67	0.74	0.79	0.82	0.86	0.89
	0.30		0.41	0.49	0.56	0.61	0.68	0.74	0.77	0.83	0.86
	0.20		0.36	0.44	0.51	0.56	0.64	0.69	0.73	0.79	0.83
0.30	0.50	0.20	0.45	0.52	0.58	0.62	0.68	0.73	0.76	0.80	0.82
	0.30		0.39	0.46	0.53	0.57	0.64	0.69	0.72	0.77	0.80
	0.20		0.35	0.41	0.48	0.53	0.60	0.65	0.69	0.74	0.77
0.00	0.00	0.00	0.31	0.37	0.43	0.47	0.53	0.58	0.61	0.66	0.69
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 = 1.50									
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	1.02	0.87	0.75	0.66	0.54	0.45	0.39	0.31	0.25	
	0.30		0.85	0.75	0.65	0.58	0.48	0.41	0.36	0.29	0.24	
	0.20		0.73	0.65	0.58	0.52	0.44	0.38	0.34	0.27	0.23	
0.50	0.50	0.20	0.94	0.81	0.69	0.61	0.50	0.44	0.36	0.29	0.24	
	0.30		0.80	0.70	0.61	0.55	0.45	0.39	0.34	0.27	0.23	
	0.20		0.69	0.62	0.55	0.50	0.42	0.36	0.32	0.26	0.22	
0.30	0.50	0.20	0.88	0.75	0.64	0.57	0.46	0.39	0.33	0.26	0.22	
	0.30		0.75	0.66	0.57	0.51	0.42	0.36	0.31	0.25	0.21	
	0.20		0.66	0.59	0.52	0.47	0.39	0.34	0.30	0.24	0.20	
0.00	0.00	0.00	0.54	0.48	0.41	0.37	0.31	0.26	0.23	0.19	0.16	
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 = 1.50								
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	0.34	0.35	0.36	0.37	0.38	0.38	0.38	0.39	0.39
	0.30		0.27	0.28	0.30	0.31	0.32	0.33	0.34	0.35	0.36
	0.20		0.22	0.23	0.25	0.26	0.28	0.29	0.30	0.32	0.33
0.50	0.50	0.20	0.33	0.34	0.35	0.35	0.36	0.37	0.37	0.37	0.38
	0.30		0.26	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35
	0.20		0.22	0.23	0.24	0.25	0.27	0.29	0.30	0.31	0.32
0.30	0.50	0.20	0.32	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36
	0.30		0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34
	0.20		0.22	0.23	0.24	0.25	0.27	0.28	0.29	0.30	0.31
0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	0.3	0.0	0.0	0.02	0.02
1.0-2.0	0.3	0.0	0.0	0.07	0.09
2.0-3.0	0.3	0.0	0.0	0.11	0.20
3.0-4.0	0.3	0.0	0.0	0.16	0.36
4.0-5.0	0.3	0.0	0.0	0.20	0.56
5.0-6.0	0.3	0.0	0.0	0.25	0.81
6.0-7.0	0.3	0.0	0.0	0.28	1.09
7.0-8.0	0.3	0.0	0.0	0.32	1.41
8.0-9.0	0.3	0.0	0.0	0.38	1.79
9.0-10.0	0.3	0.0	0.0	0.42	2.21
10.0-11.0	0.3	0.0	0.0	0.45	2.66
11.0-12.0	0.3	0.0	0.0	0.50	3.16
12.0-13.0	0.3	0.0	0.1	0.55	3.71
13.0-14.0	0.3	0.0	0.1	0.60	4.31
14.0-15.0	0.3	0.0	0.1	0.64	4.95
15.0-16.0	0.3	0.0	0.1	0.66	5.61
16.0-17.0	0.3	0.0	0.1	0.66	6.27
17.0-18.0	0.3	0.0	0.1	0.70	6.96
18.0-19.0	0.3	0.0	0.1	0.80	7.76
19.0-20.0	0.3	0.0	0.1	0.86	8.61
20.0-21.0	0.3	0.0	0.1	0.88	9.49
21.0-22.0	0.3	0.0	0.1	0.91	10.40
22.0-23.0	0.3	0.0	0.2	0.96	11.36
23.0-24.0	0.3	0.0	0.2	1.01	12.37
24.0-25.0	0.3	0.0	0.2	1.03	13.40
25.0-26.0	0.3	0.0	0.2	1.04	14.44
26.0-27.0	0.3	0.0	0.2	1.05	15.49
27.0-28.0	0.3	0.0	0.2	1.09	16.58
28.0-29.0	0.3	0.0	0.3	1.13	17.71
29.0-30.0	0.3	0.0	0.3	1.13	18.84
30.0-31.0	0.3	0.0	0.3	1.15	19.99
31.0-32.0	0.3	0.0	0.3	1.23	21.22
32.0-33.0	0.3	0.0	0.3	1.28	22.50
33.0-34.0	0.3	0.0	0.3	1.29	23.79
34.0-35.0	0.3	0.0	0.4	1.24	25.03
35.0-36.0	0.3	0.0	0.4	1.27	26.30

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

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	0.3	0.0	0.4	1.35	27.66
37.0-38.0	0.3	0.0	0.4	1.32	28.98
38.0-39.0	0.3	0.0	0.4	1.32	30.29
39.0-40.0	0.3	0.0	0.4	1.34	31.63
40.0-41.0	0.3	0.0	0.5	1.40	33.03
41.0-42.0	0.3	0.0	0.5	1.40	34.43
42.0-43.0	0.3	0.0	0.5	1.41	35.84
43.0-44.0	0.3	0.0	0.5	1.46	37.30
44.0-45.0	0.3	0.0	0.5	1.45	38.75
45.0-46.0	0.3	0.0	0.6	1.47	40.21
46.0-47.0	0.3	0.0	0.6	1.48	41.69
47.0-48.0	0.3	0.0	0.6	1.46	43.15
48.0-49.0	0.3	0.0	0.6	1.48	44.64
49.0-50.0	0.2	0.0	0.7	1.46	46.10
50.0-51.0	0.2	0.0	0.7	1.47	47.57
51.0-52.0	0.2	0.0	0.7	1.50	49.07
52.0-53.0	0.2	0.0	0.7	1.41	50.48
53.0-54.0	0.2	0.0	0.7	1.38	51.86
54.0-55.0	0.2	0.0	0.8	1.43	53.28
55.0-56.0	0.2	0.0	0.8	1.44	54.72
56.0-57.0	0.2	0.0	0.8	1.41	56.13
57.0-58.0	0.2	0.0	0.8	1.40	57.53
58.0-59.0	0.2	0.0	0.8	1.43	58.95
59.0-60.0	0.2	0.0	0.9	1.42	60.37
60.0-61.0	0.2	0.0	0.9	1.36	61.73
61.0-62.0	0.2	0.0	0.9	1.31	63.05
62.0-63.0	0.2	0.0	0.9	1.26	64.31
63.0-64.0	0.2	0.0	0.9	1.26	65.57
64.0-65.0	0.2	0.0	0.9	1.22	66.79
65.0-66.0	0.2	0.0	1.0	1.19	67.97
66.0-67.0	0.2	0.0	1.0	1.18	69.16
67.0-68.0	0.1	0.0	1.0	1.07	70.22
68.0-69.0	0.1	0.0	1.0	1.04	71.26
69.0-70.0	0.1	0.0	1.0	1.05	72.31
70.0-71.0	0.1	0.0	1.0	1.00	73.31
71.0-72.0	0.1	0.0	1.1	0.99	74.30

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

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	0.1	0.0	1.1	0.96	75.26
73.0-74.0	0.1	0.0	1.1	0.94	76.20
74.0-75.0	0.1	0.0	1.1	0.93	77.14
75.0-76.0	0.1	0.0	1.1	0.84	77.97
76.0-77.0	0.1	0.0	1.1	0.72	78.69
77.0-78.0	0.1	0.0	1.1	0.72	79.41
78.0-79.0	0.1	0.0	1.1	0.76	80.17
79.0-80.0	0.1	0.0	1.1	0.65	80.82
80.0-81.0	0.1	0.0	1.2	0.63	81.45
81.0-82.0	0.1	0.0	1.2	0.58	82.03
82.0-83.0	0.1	0.0	1.2	0.47	82.51
83.0-84.0	0.1	0.0	1.2	0.48	82.98
84.0-85.0	0.1	0.0	1.2	0.46	83.44
85.0-86.0	0.1	0.0	1.2	0.39	83.84
86.0-87.0	0.0	0.0	1.2	0.38	84.22
87.0-88.0	0.1	0.0	1.2	0.47	84.69
88.0-89.0	0.1	0.0	1.2	0.43	85.12
89.0-90.0	0.0	0.0	1.2	0.36	85.49
90.0-91.0	0.0	0.0	1.2	0.33	85.82
91.0-92.0	0.0	0.0	1.2	0.35	86.17
92.0-93.0	0.0	0.0	1.2	0.32	86.49
93.0-94.0	0.0	0.0	1.2	0.22	86.71
94.0-95.0	0.0	0.0	1.2	0.32	87.04
95.0-96.0	0.0	0.0	1.2	0.32	87.36
96.0-97.0	0.0	0.0	1.2	0.28	87.64
97.0-98.0	0.0	0.0	1.2	0.31	87.95
98.0-99.0	0.0	0.0	1.3	0.22	88.17
99.0-100.0	0.0	0.0	1.3	0.18	88.35
100.0-101.0	0.0	0.0	1.3	0.25	88.60
101.0-102.0	0.0	0.0	1.3	0.22	88.82
102.0-103.0	0.0	0.0	1.3	0.20	89.02
103.0-104.0	0.0	0.0	1.3	0.20	89.22
104.0-105.0	0.0	0.0	1.3	0.22	89.45
105.0-106.0	0.0	0.0	1.3	0.24	89.68
106.0-107.0	0.0	0.0	1.3	0.29	89.97
107.0-108.0	0.0	0.0	1.3	0.31	90.28

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

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	1.3	0.23	90.51
109.0-110.0	0.0	0.0	1.3	0.22	90.73
110.0-111.0	0.0	0.0	1.3	0.21	90.94
111.0-112.0	0.0	0.0	1.3	0.19	91.13
112.0-113.0	0.0	0.0	1.3	0.18	91.31
113.0-114.0	0.0	0.0	1.3	0.20	91.51
114.0-115.0	0.0	0.0	1.3	0.27	91.78
115.0-116.0	0.0	0.0	1.3	0.27	92.06
116.0-117.0	0.0	0.0	1.3	0.20	92.26
117.0-118.0	0.0	0.0	1.3	0.21	92.47
118.0-119.0	0.0	0.0	1.3	0.20	92.66
119.0-120.0	0.0	0.0	1.3	0.17	92.83
120.0-121.0	0.0	0.0	1.3	0.19	93.02
121.0-122.0	0.0	0.0	1.3	0.21	93.23
122.0-123.0	0.0	0.0	1.3	0.20	93.43
123.0-124.0	0.0	0.0	1.3	0.20	93.63
124.0-125.0	0.0	0.0	1.3	0.23	93.86
125.0-126.0	0.0	0.0	1.3	0.21	94.08
126.0-127.0	0.0	0.0	1.3	0.18	94.25
127.0-128.0	0.0	0.0	1.3	0.16	94.41
128.0-129.0	0.0	0.0	1.3	0.17	94.58
129.0-130.0	0.0	0.0	1.3	0.23	94.81
130.0-131.0	0.0	0.0	1.3	0.19	95.01
131.0-132.0	0.0	0.0	1.3	0.15	95.16
132.0-133.0	0.0	0.0	1.4	0.17	95.33
133.0-134.0	0.0	0.0	1.4	0.20	95.53
134.0-135.0	0.0	0.0	1.4	0.20	95.74
135.0-136.0	0.0	0.0	1.4	0.14	95.88
136.0-137.0	0.0	0.0	1.4	0.14	96.01
137.0-138.0	0.0	0.0	1.4	0.18	96.19
138.0-139.0	0.0	0.0	1.4	0.18	96.38
139.0-140.0	0.0	0.0	1.4	0.16	96.54
140.0-141.0	0.0	0.0	1.4	0.13	96.66
141.0-142.0	0.0	0.0	1.4	0.14	96.80
142.0-143.0	0.0	0.0	1.4	0.18	96.98
143.0-144.0	0.0	0.0	1.4	0.20	97.17

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25

Operator: Zk

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	0.0	0.0	1.4	0.16	97.34
145.0-146.0	0.0	0.0	1.4	0.14	97.48
146.0-147.0	0.0	0.0	1.4	0.15	97.63
147.0-148.0	0.0	0.0	1.4	0.13	97.76
148.0-149.0	0.0	0.0	1.4	0.11	97.87
149.0-150.0	0.0	0.0	1.4	0.09	97.96
150.0-151.0	0.0	0.0	1.4	0.12	98.08
151.0-152.0	0.0	0.0	1.4	0.17	98.26
152.0-153.0	0.0	0.0	1.4	0.13	98.39
153.0-154.0	0.0	0.0	1.4	0.09	98.48
154.0-155.0	0.0	0.0	1.4	0.10	98.58
155.0-156.0	0.0	0.0	1.4	0.12	98.70
156.0-157.0	0.0	0.0	1.4	0.11	98.81
157.0-158.0	0.0	0.0	1.4	0.11	98.92
158.0-159.0	0.0	0.0	1.4	0.09	99.01
159.0-160.0	0.0	0.0	1.4	0.08	99.10
160.0-161.0	0.0	0.0	1.4	0.08	99.18
161.0-162.0	0.0	0.0	1.4	0.08	99.26
162.0-163.0	0.0	0.0	1.4	0.06	99.32
163.0-164.0	0.0	0.0	1.4	0.06	99.38
164.0-165.0	0.0	0.0	1.4	0.07	99.45
165.0-166.0	0.0	0.0	1.4	0.08	99.53
166.0-167.0	0.0	0.0	1.4	0.06	99.60
167.0-168.0	0.0	0.0	1.4	0.05	99.65
168.0-169.0	0.0	0.0	1.4	0.05	99.70
169.0-170.0	0.0	0.0	1.4	0.06	99.76
170.0-171.0	0.0	0.0	1.4	0.05	99.81
171.0-172.0	0.0	0.0	1.4	0.04	99.85
172.0-173.0	0.0	0.0	1.4	0.04	99.89
173.0-174.0	0.0	0.0	1.4	0.04	99.93
174.0-175.0	0.0	0.0	1.4	0.02	99.95
175.0-176.0	0.0	0.0	1.4	0.02	99.97
176.0-177.0	0.0	0.0	1.4	0.02	99.98
177.0-178.0	0.0	0.0	1.4	0.01	99.99
178.0-179.0	0.0	0.0	1.4	0.01	100.00
179.0-180.0	0.0	0.0	1.4	0.00	100.00

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

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