

Report No.:

Test Time: 2020/4/29 14:25

## Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RBMC65241.0G-140-0.5M

Luminaire Description: RBMC65241.0G-140-0.5M

Luminous Length (mm): 50

Luminous Width (mm): 5

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.071 A

Power: 1.70 W

Power Factor: 1.000

## Photometric Results

CIE Class: Direct

Measurement Flux: 233.9 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(10%,50%): H170.1,H134.1

Vertical Diffuse Angle(10%,50%): V193.1,V161.2

Luminaire Efficacy Rating (LER): 138

Max. Intensity: 54.76 cd

Total Rated Lamp Lumens: 233.9 lm

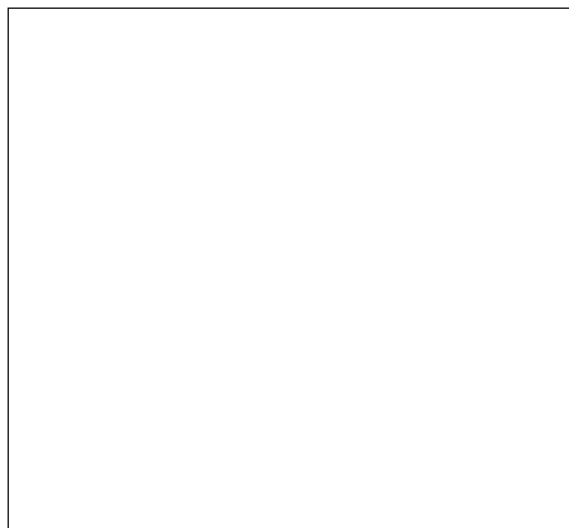
Efficiency: 100%

Upward Ratio: 3%

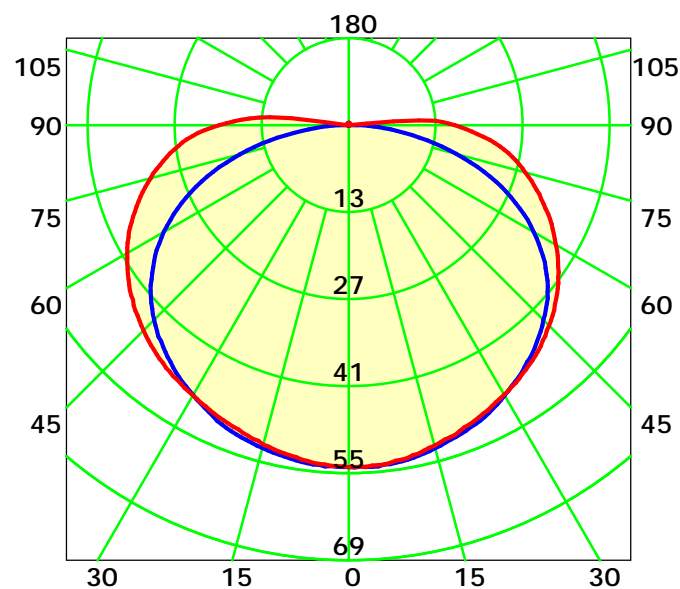
Central Intensity: 54.68 cd

Pos of Max. Intensity: H0 V4

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 147.7° 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

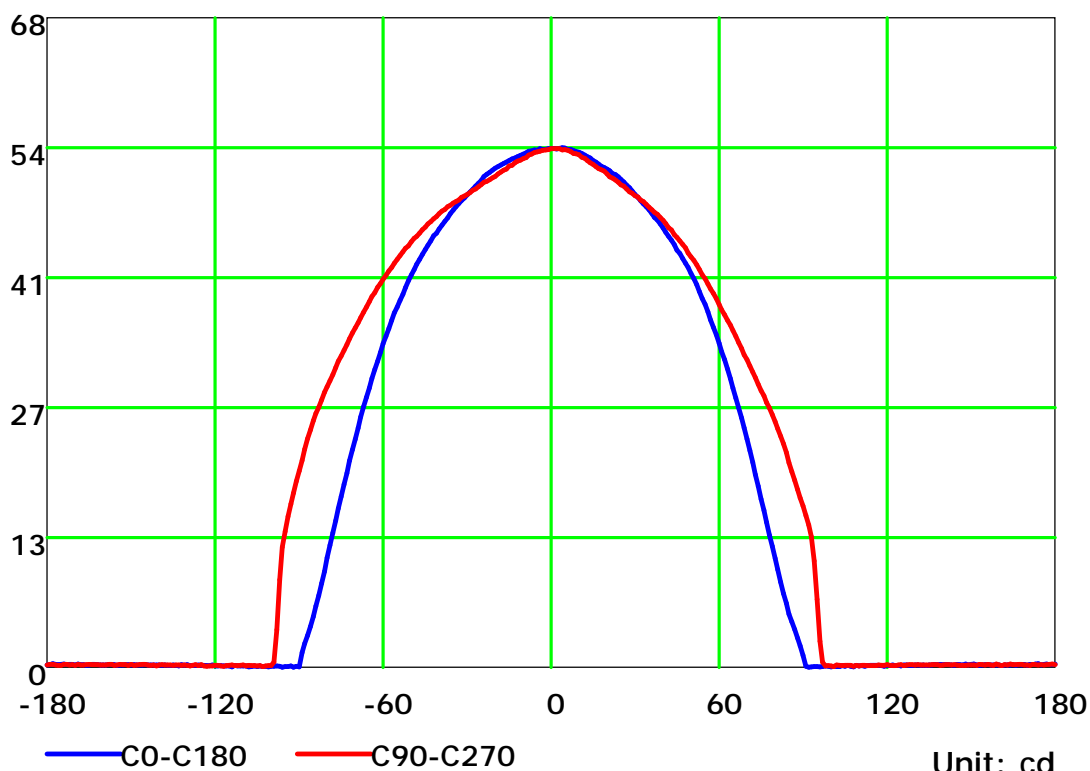
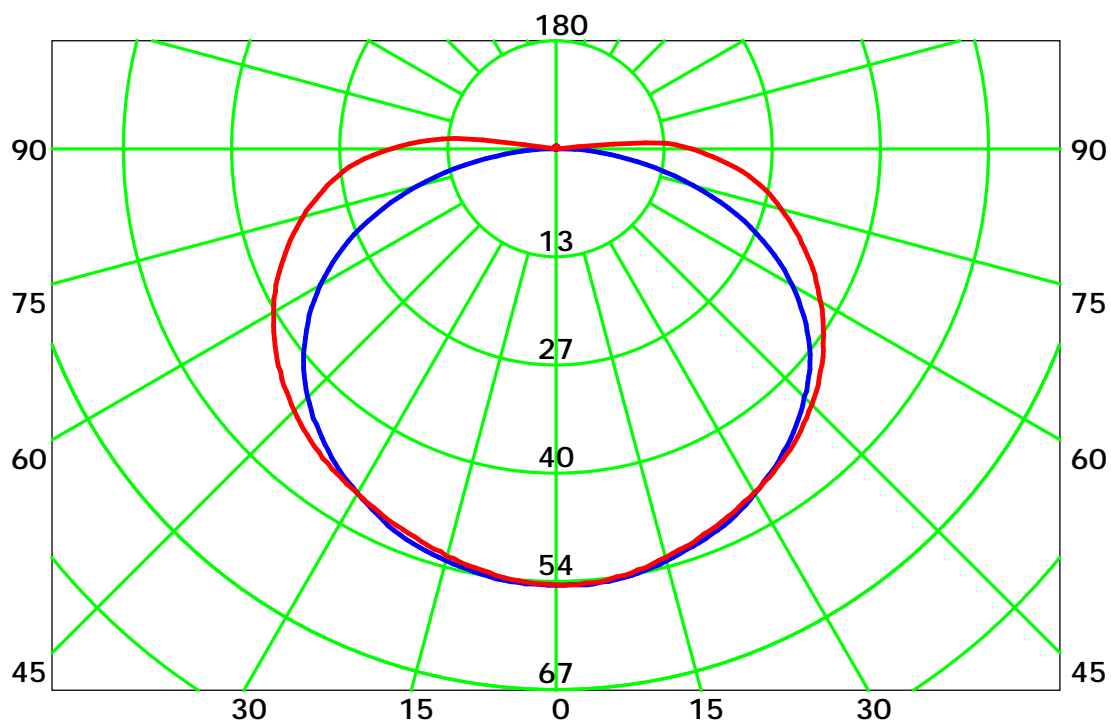
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## Luminous Intensity Distribution Curve

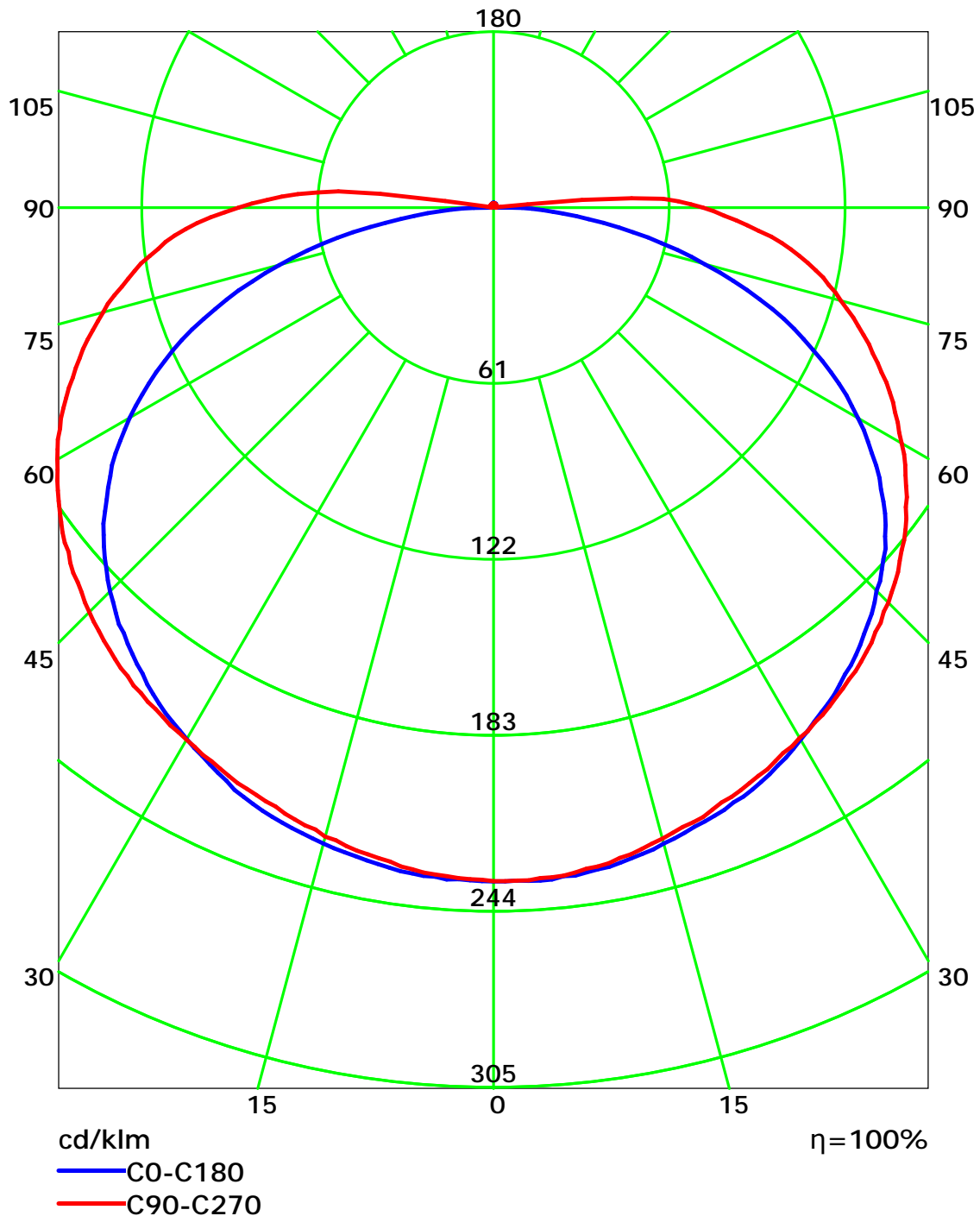


C Plane (°):0.0-360.0: 30.0  
Test Lab: ACOLYTE  
Test Type: TYPE C  
Temperature: 25  
Operator: Zk

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:

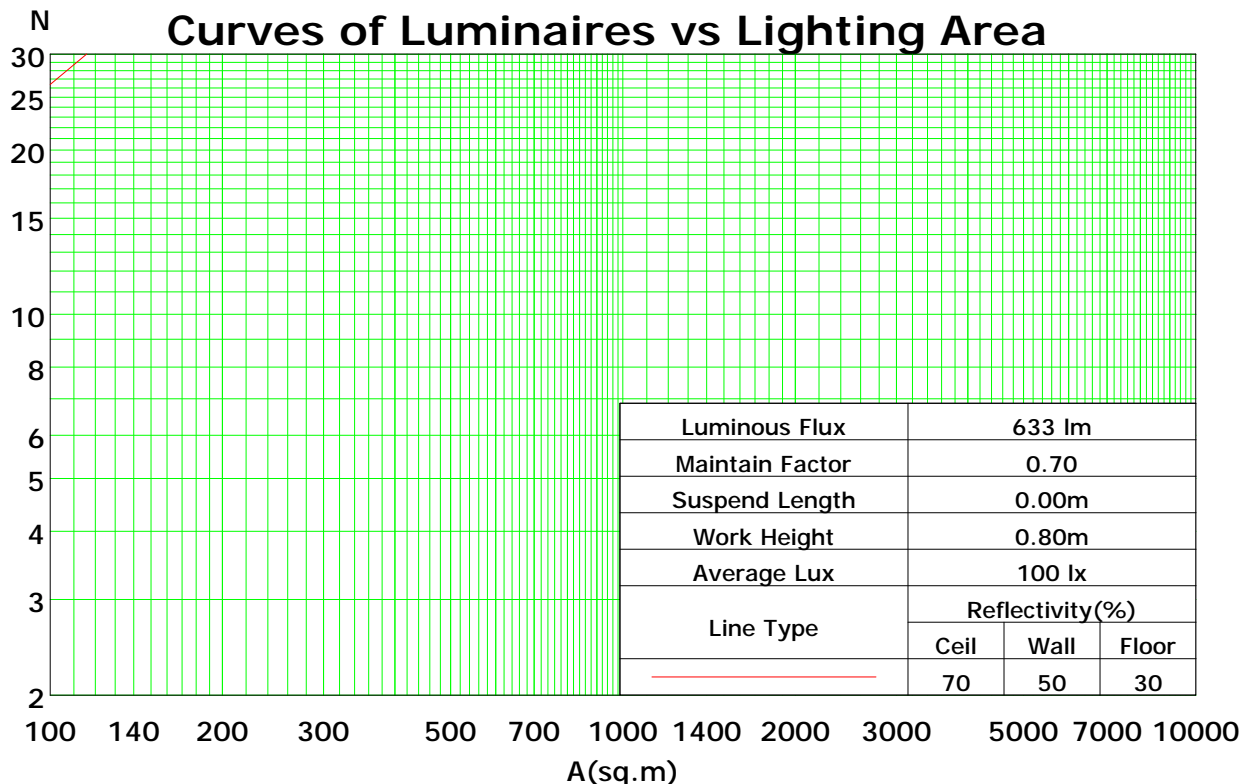
## Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	104	98	92	87	101	95	90	85	90	86	82	86	82	79	81	79	76	73
2	93	83	75	68	90	81	73	67	77	70	65	73	67	63	69	65	61	58
3	84	72	62	54	81	70	61	54	66	59	52	63	56	51	60	54	50	47
4	76	63	53	45	74	61	52	44	58	50	43	55	48	42	53	46	41	39
5	70	55	45	38	67	54	45	38	51	43	37	49	42	36	47	40	35	33
6	64	50	40	33	62	48	39	32	46	38	32	44	37	31	42	36	31	28
7	59	45	35	28	57	44	35	28	42	34	28	40	33	27	38	32	27	25
8	55	41	31	25	53	40	31	25	38	30	24	36	29	24	35	29	24	22
9	51	37	28	22	50	36	28	22	35	27	22	34	27	22	32	26	21	19
10	48	34	26	20	47	33	25	20	32	25	20	31	24	19	30	24	19	17

Spacing Criteria (0-180): 1.36

Spacing Criteria (90-270): 1.38

Spacing Criteria (Diagonal): 1.55



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

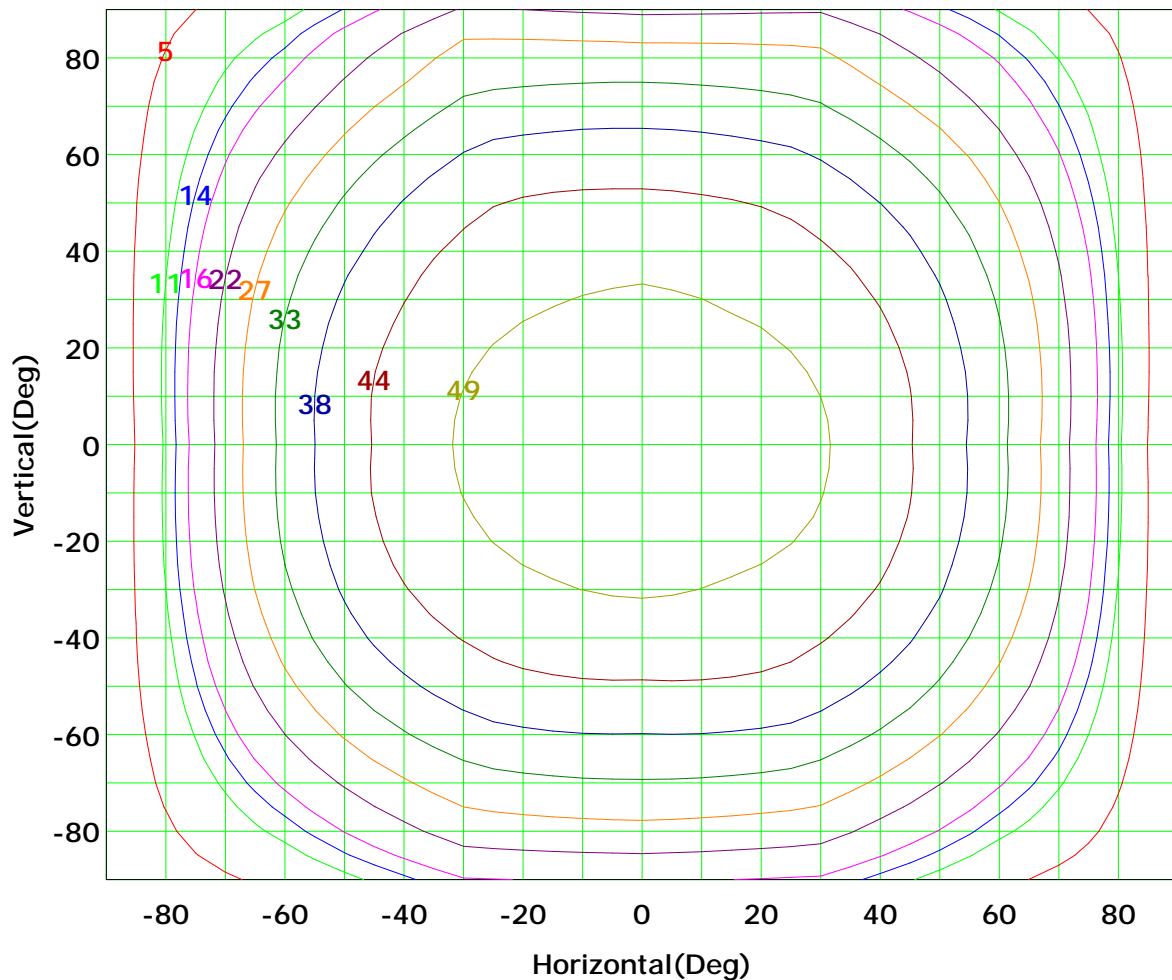
Distance: 9.028 m

Humidity: 60%

Inspector:



## Isocandela (rectangle)



Imax (100%): 55 cd

( 10%):	5 cd	( 20%):	11 cd
( 25%):	14 cd	( 30%):	16 cd
( 40%):	22 cd	( 50%):	27 cd
( 60%):	33 cd	( 70%):	38 cd
( 80%):	44 cd	( 90%):	49 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

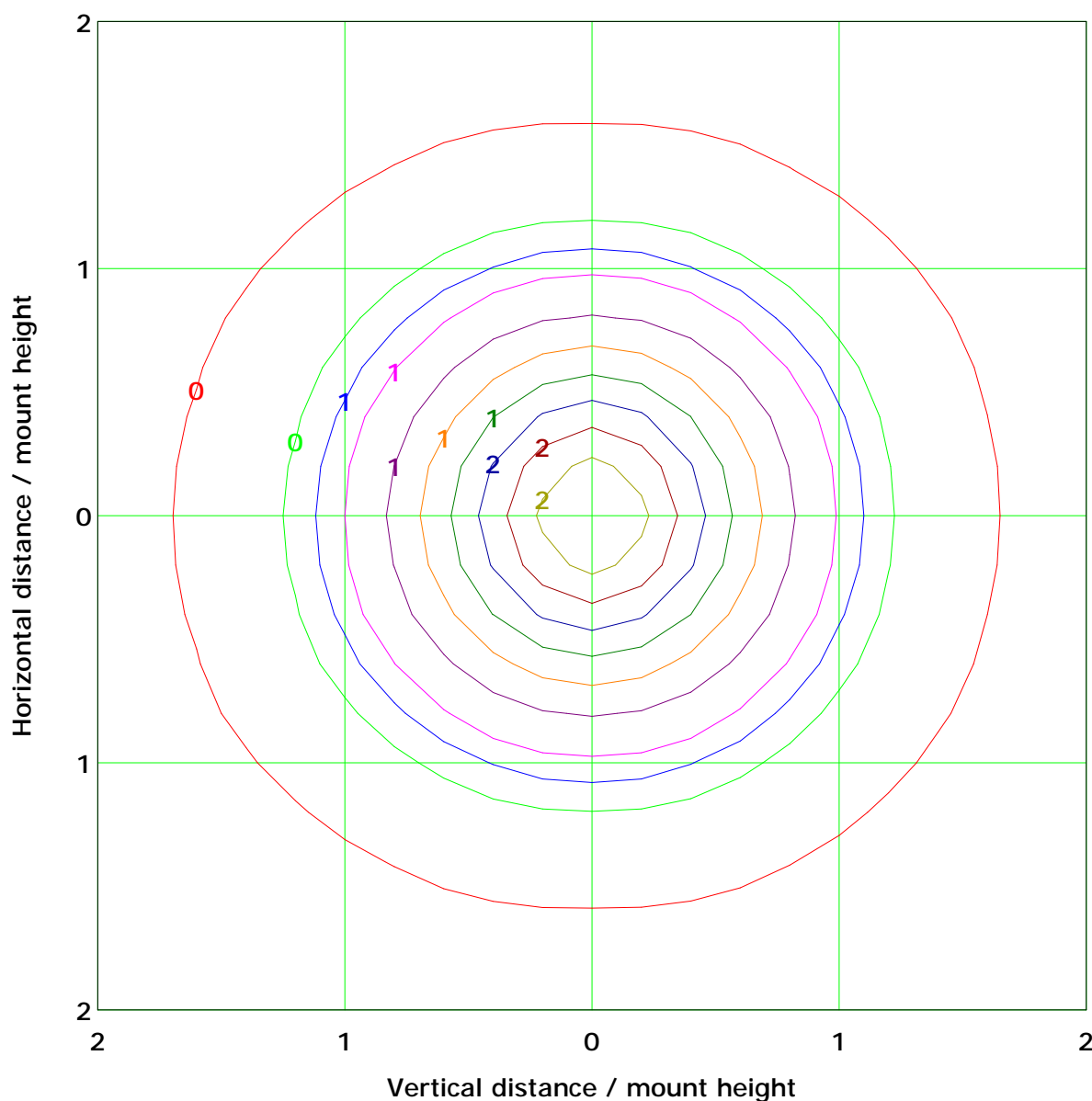
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

## IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 2.2 lx

( 10%): 0.2 lx	( 20%): 0.4 lx
( 25%): 0.5 lx	( 30%): 0.7 lx
( 40%): 0.9 lx	( 50%): 1.1 lx
( 60%): 1.3 lx	( 70%): 1.5 lx
( 80%): 1.8 lx	( 90%): 2.0 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

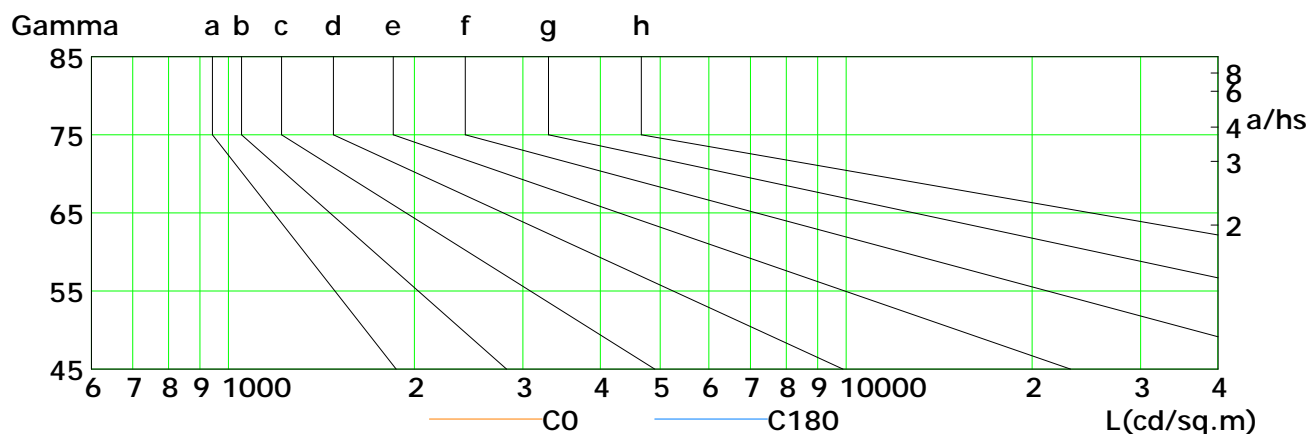
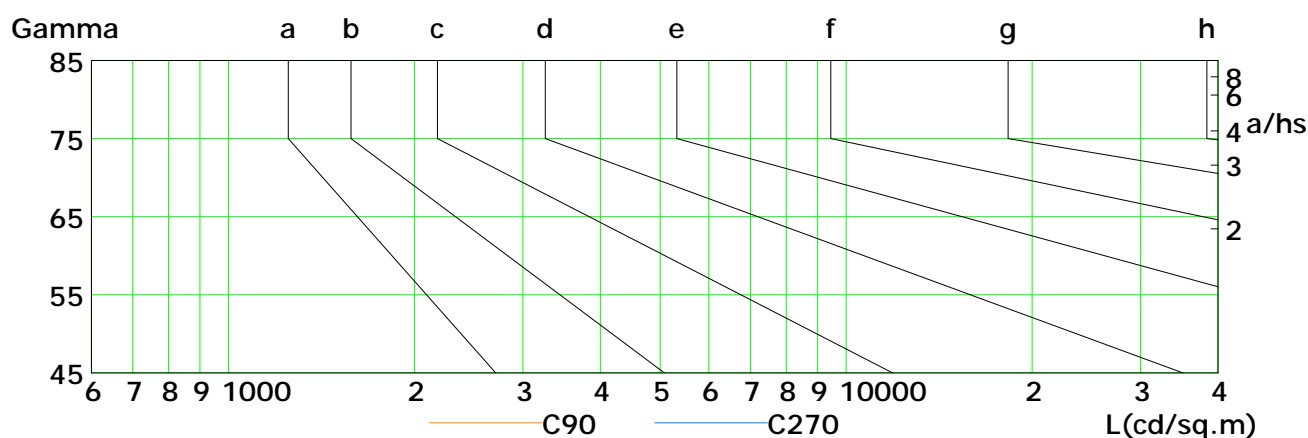
Humidity: 60%

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	207418	208644	207647	203088	195138	181901	157255	124120	78772
C90	251508	262996	277782	295832	322273	359742	419936	536245	807250
C180	207607	207740	206074	202851	195204	181599	159468	125091	75141
C270	257498	272782	291545	316322	349953	396659	472141	612379	971613

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

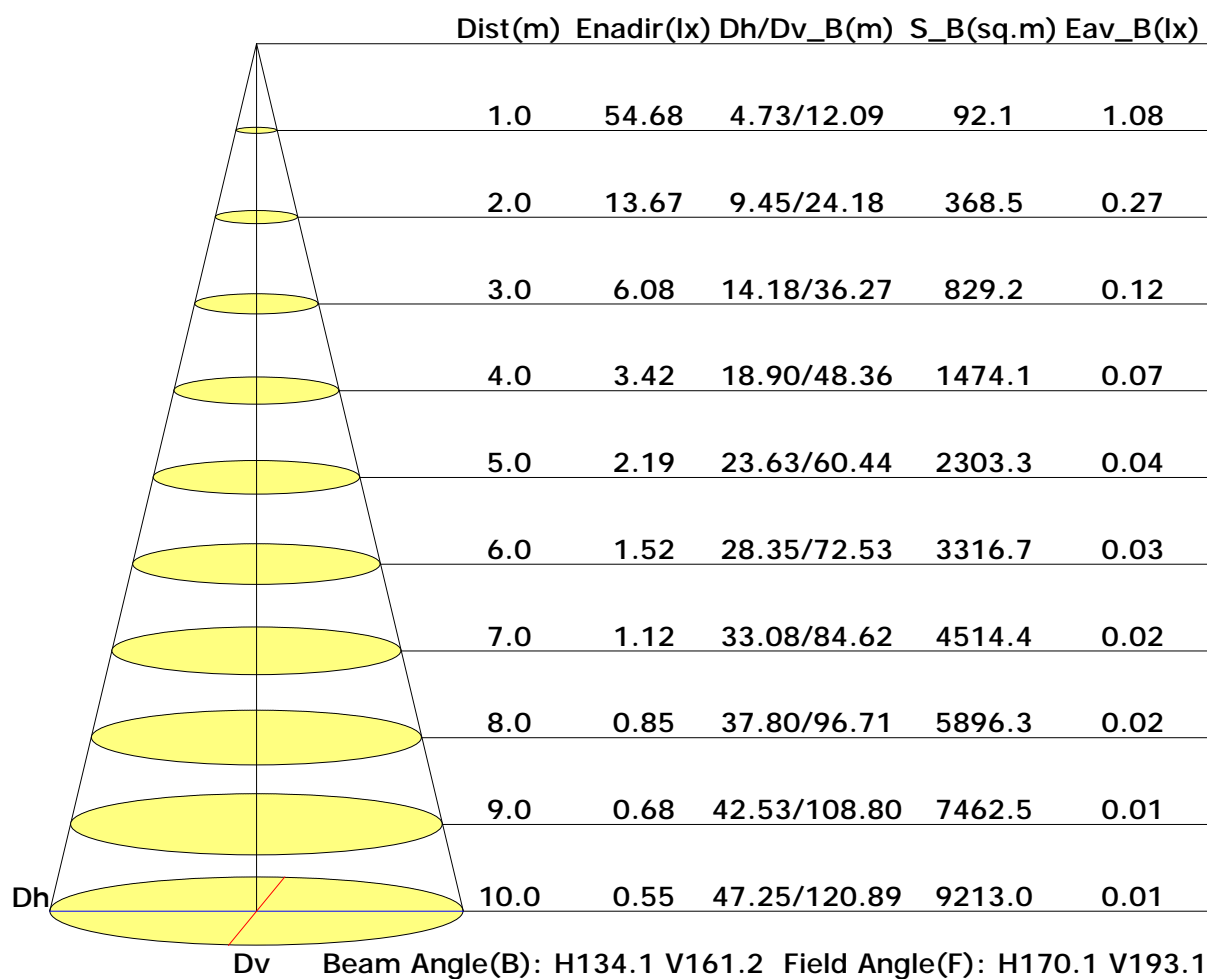
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

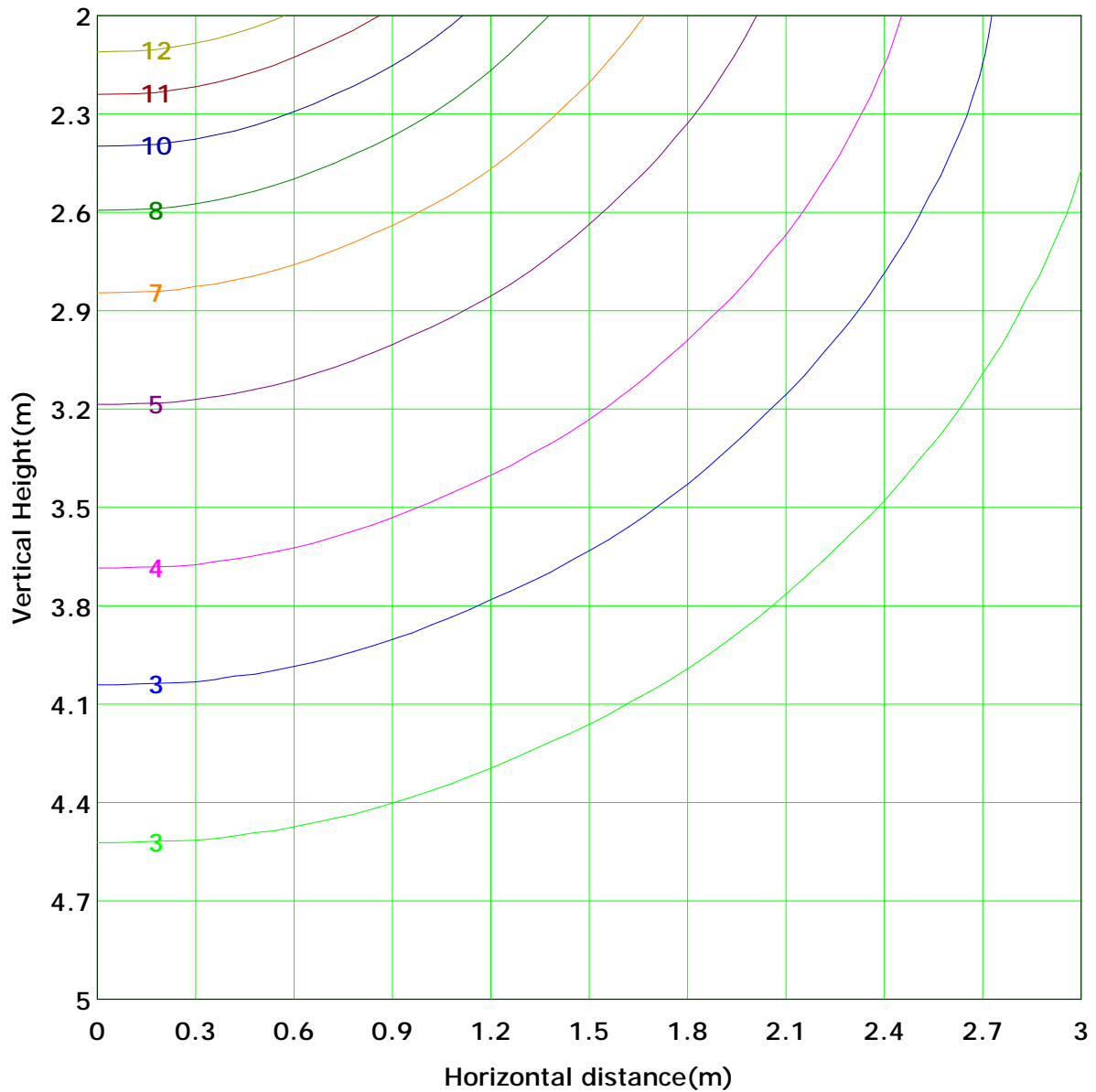
Inspector:

## Illuminance at a Distance





## Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 13.7 lx
( 10%): 1.4 lx	( 20%): 2.7 lx	
( 25%): 3.4 lx	( 30%): 4.1 lx	
( 40%): 5.5 lx	( 50%): 6.8 lx	
( 60%): 8.2 lx	( 70%): 9.6 lx	
( 80%): 10.9 lx	( 90%): 12.3 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	0.1	0.1	0.3	0.4	0.6	0.7	0.9	1.2	1.2	1.4	1.5	1.6	1.6	1.5	1.4	1.3	1.2	1.1	0.3	0.2
	-80	0.0	0.1	0.2	0.4	0.5	0.7	0.9	1.2	1.2	1.4	1.5	1.6	1.6	1.5	1.4	1.3	1.2	1.1	0.0	2.0	2.0
	-70	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.7	1.6	1.5	1.4	1.3	0.0	5.2	5.2
	-60	0.0	0.1	0.3	0.5	0.7	1.0	1.1	1.3	1.5	1.7	1.9	2.0	2.0	1.9	1.8	1.7	1.6	1.5	0.0	9.2	9.2
	-50	0.0	0.1	0.3	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.3	2.2	2.1	2.0	1.9	0.0	13.3	13.3
	-40	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	17.2	17.2
	-30	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	20.3	20.3
	-20	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	22.3	22.3
	-10	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	23.3	23.3
	0	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	23.4	23.4
	10	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	22.4	22.4
	20	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	20.4	20.4
	30	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	17.3	17.3
	40	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	13.4	13.4
	50	0.0	0.1	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.4	2.3	2.2	2.1	2.0	0.0	9.2	9.2
	60	0.0	0.1	0.3	0.5	0.7	1.0	1.1	1.3	1.5	1.7	1.9	2.1	2.3	2.4	2.3	2.2	2.1	2.0	0.0	5.1	5.1
	70	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.7	1.6	1.5	1.4	1.3	0.0	2.0	2.0
	80	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.7	1.6	1.5	1.4	1.3	0.0	0.3	0.2
	90	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.8	1.8	1.7	1.6	1.5	1.4	1.3	0.0	226	226
																						226

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

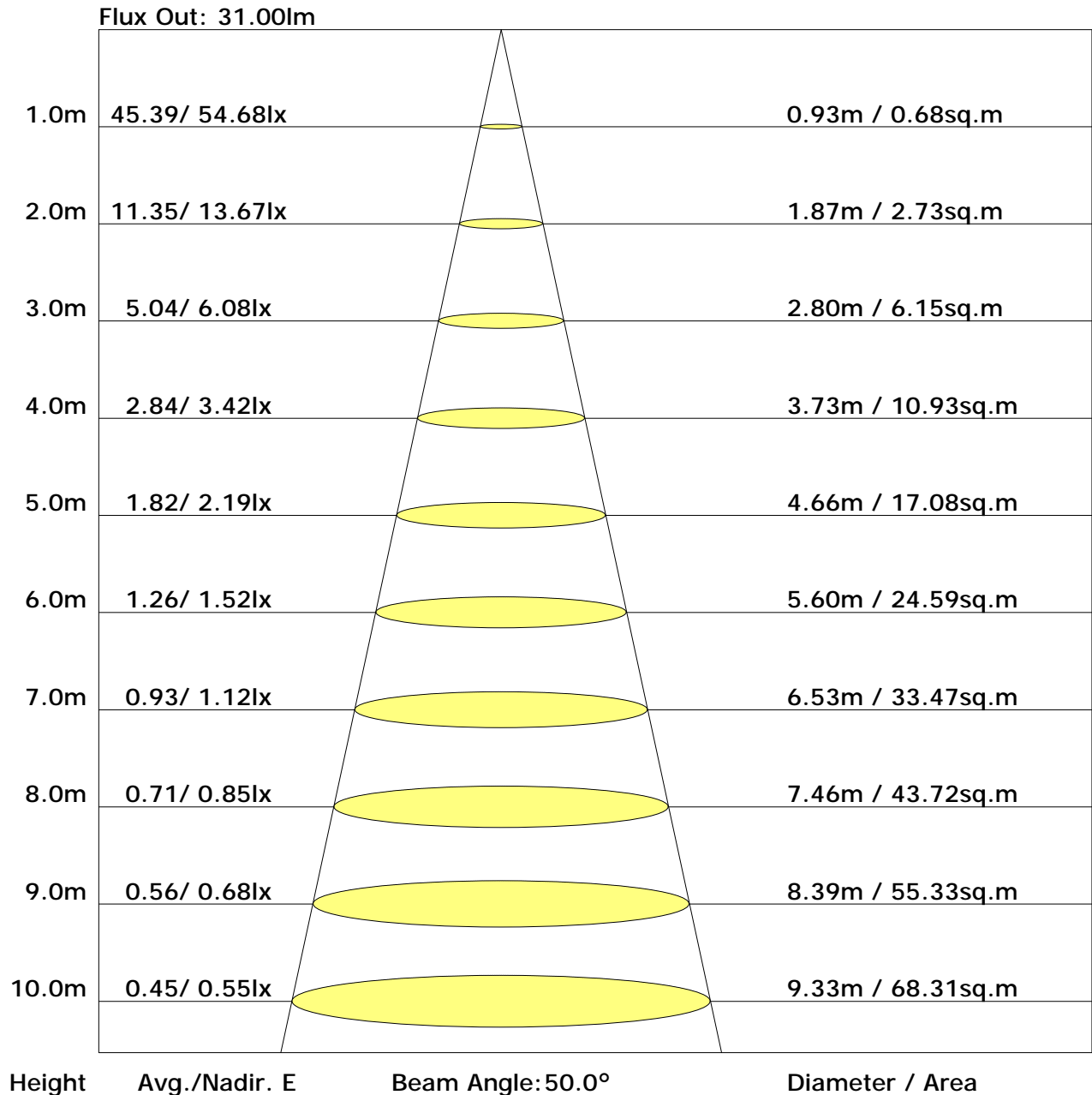
Distance: 9.028 m

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	36.0	37.7	36.4	38.1	38.5	35.9	37.6	36.3	38.0	38.4
3H	38.3	39.9	38.7	40.2	40.7	38.4	40.0	38.9	40.4	40.9
4H	39.2	40.7	39.6	41.1	41.5	39.6	41.2	40.1	41.6	42.0
6H	39.9	41.3	40.3	41.7	42.2	40.8	42.3	41.3	42.7	43.1
8H	40.1	41.5	40.6	41.9	42.4	41.4	42.8	41.8	43.2	43.7
12H	40.3	41.6	40.8	42.1	42.5	41.9	43.2	42.4	43.7	44.2
X=4H Y=2H	36.9	38.4	37.3	38.8	39.2	36.7	38.3	37.2	38.7	39.1
3H	39.3	40.7	39.8	41.1	41.6	39.5	40.8	40.0	41.3	41.8
4H	40.4	41.6	40.9	42.1	42.6	40.9	42.1	41.4	42.6	43.1
6H	41.3	42.4	41.8	42.9	43.4	42.3	43.3	42.8	43.8	44.3
8H	41.6	42.6	42.1	43.1	43.6	42.9	43.9	43.4	44.4	44.9
12H	41.9	42.8	42.4	43.3	43.9	43.5	44.5	44.1	45.0	45.5
X=8H Y=4H	41.0	42.1	41.5	42.6	43.1	41.4	42.4	41.9	42.9	43.4
6H	42.1	43.0	42.7	43.5	44.1	43.0	43.9	43.5	44.4	44.9
8H	42.6	43.4	43.1	43.9	44.5	43.8	44.6	44.3	45.1	45.7
12H	43.0	43.7	43.5	44.2	44.8	44.6	45.3	45.2	45.9	46.5
X=12H Y=4H	41.2	42.2	41.7	42.7	43.2	41.5	42.4	42.0	42.9	43.5
6H	42.4	43.2	43.0	43.7	44.3	43.1	43.9	43.7	44.5	45.0
8H	43.0	43.7	43.5	44.2	44.8	44.0	44.8	44.6	45.3	45.9

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	0.50	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.97	
	0.30		0.41	0.49	0.57	0.63	0.71	0.77	0.81	0.88	0.92	
	0.20		0.35	0.43	0.50	0.56	0.65	0.71	0.76	0.83	0.88	
0.50	0.50	0.20	0.48	0.56	0.63	0.68	0.75	0.80	0.84	0.89	0.92	
	0.30		0.40	0.48	0.55	0.61	0.68	0.74	0.78	0.84	0.88	
	0.20		0.35	0.42	0.49	0.55	0.63	0.69	0.73	0.80	0.84	
0.30	0.50	0.20	0.46	0.53	0.60	0.65	0.71	0.76	0.80	0.84	0.87	
	0.30		0.39	0.46	0.54	0.59	0.66	0.71	0.75	0.80	0.84	
	0.20		0.34	0.41	0.48	0.54	0.61	0.67	0.71	0.77	0.81	
0.00	0.00	0.00	0.32	0.38	0.45	0.50	0.57	0.62	0.66	0.72	0.76	
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	1.08	0.94	0.82	0.73	0.60	0.51	0.45	0.36	0.30
	0.30		0.90	0.81	0.71	0.64	0.54	0.47	0.41	0.34	0.28
	0.20		0.77	0.70	0.63	0.58	0.49	0.43	0.38	0.32	0.27
0.50	0.50	0.20	1.04	0.90	0.78	0.70	0.57	0.52	0.43	0.34	0.29
	0.30		0.88	0.78	0.69	0.62	0.52	0.45	0.40	0.32	0.27
	0.20		0.76	0.69	0.62	0.56	0.48	0.42	0.37	0.31	0.26
0.30	0.50	0.20	1.01	0.87	0.75	0.67	0.55	0.47	0.41	0.33	0.28
	0.30		0.86	0.76	0.67	0.60	0.51	0.44	0.39	0.31	0.26
	0.20		0.75	0.68	0.61	0.55	0.47	0.41	0.36	0.30	0.25
0.00	0.00	0.00	0.65	0.59	0.52	0.47	0.40	0.35	0.31	0.25	0.21
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	0.20	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.25
	0.30		0.12	0.14	0.15	0.16	0.18	0.19	0.20	0.21	0.22
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17	0.19
0.50	0.50	0.20	0.19	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24
	0.30		0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.30	0.50	0.20	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23
	0.30		0.12	0.13	0.15	0.15	0.17	0.18	0.19	0.20	0.20
	0.20		0.07	0.08	0.10	0.11	0.12	0.14	0.15	0.16	0.17
0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
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	54.7	0.1	0.1	0.02	0.02
1.0-2.0	54.7	0.2	0.2	0.07	0.09
2.0-3.0	54.6	0.3	0.5	0.11	0.20
3.0-4.0	54.6	0.4	0.8	0.16	0.36
4.0-5.0	54.6	0.5	1.3	0.20	0.56
5.0-6.0	54.5	0.6	1.9	0.24	0.80
6.0-7.0	54.4	0.7	2.6	0.29	1.09
7.0-8.0	54.3	0.8	3.3	0.33	1.42
8.0-9.0	54.2	0.9	4.2	0.38	1.80
9.0-10.0	54.1	1.0	5.2	0.42	2.22
10.0-11.0	53.9	1.1	6.3	0.46	2.68
11.0-12.0	53.8	1.2	7.4	0.50	3.18
12.0-13.0	53.6	1.3	8.7	0.54	3.73
13.0-14.0	53.4	1.4	10.1	0.58	4.31
14.0-15.0	53.2	1.5	11.5	0.62	4.94
15.0-16.0	53.0	1.6	13.1	0.66	5.60
16.0-17.0	52.8	1.6	14.7	0.70	6.30
17.0-18.0	52.6	1.7	16.5	0.74	7.04
18.0-19.0	52.4	1.8	18.3	0.78	7.82
19.0-20.0	52.2	1.9	20.2	0.82	8.64
20.0-21.0	51.9	2.0	22.2	0.85	9.49
21.0-22.0	51.7	2.1	24.3	0.89	10.38
22.0-23.0	51.5	2.2	26.4	0.92	11.31
23.0-24.0	51.3	2.2	28.7	0.96	12.26
24.0-25.0	51.1	2.3	31.0	0.99	13.26
25.0-26.0	50.8	2.4	33.4	1.03	14.28
26.0-27.0	50.6	2.5	35.9	1.06	15.34
27.0-28.0	50.3	2.5	38.4	1.09	16.43
28.0-29.0	50.1	2.6	41.0	1.12	17.55
29.0-30.0	49.8	2.7	43.7	1.15	18.70
30.0-31.0	49.6	2.8	46.5	1.18	19.88
31.0-32.0	49.4	2.8	49.3	1.21	21.09
32.0-33.0	49.1	2.9	52.2	1.24	22.33
33.0-34.0	48.8	3.0	55.2	1.26	23.59
34.0-35.0	48.6	3.0	58.2	1.29	24.88
35.0-36.0	48.3	3.1	61.3	1.32	26.20

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	48.0	3.1	64.4	1.34	27.54
37.0-38.0	47.7	3.2	67.6	1.36	28.90
38.0-39.0	47.5	3.2	70.8	1.39	30.28
39.0-40.0	47.2	3.3	74.1	1.41	31.69
40.0-41.0	46.9	3.3	77.5	1.43	33.12
41.0-42.0	46.5	3.4	80.8	1.45	34.56
42.0-43.0	46.2	3.4	84.3	1.46	36.03
43.0-44.0	45.9	3.5	87.7	1.48	37.51
44.0-45.0	45.5	3.5	91.2	1.50	39.01
45.0-46.0	45.2	3.5	94.8	1.51	40.52
46.0-47.0	44.8	3.6	98.3	1.52	42.04
47.0-48.0	44.4	3.6	101.9	1.53	43.57
48.0-49.0	44.0	3.6	105.5	1.54	45.12
49.0-50.0	43.5	3.6	109.1	1.55	46.67
50.0-51.0	43.1	3.6	112.8	1.56	48.23
51.0-52.0	42.6	3.7	116.5	1.56	49.79
52.0-53.0	42.1	3.7	120.1	1.57	51.36
53.0-54.0	41.6	3.7	123.8	1.57	52.93
54.0-55.0	41.1	3.7	127.5	1.57	54.50
55.0-56.0	40.6	3.7	131.1	1.57	56.07
56.0-57.0	40.0	3.7	134.8	1.56	57.63
57.0-58.0	39.4	3.6	138.4	1.56	59.19
58.0-59.0	38.8	3.6	142.1	1.55	60.74
59.0-60.0	38.2	3.6	145.7	1.54	62.29
60.0-61.0	37.6	3.6	149.3	1.53	63.82
61.0-62.0	36.9	3.6	152.8	1.52	65.35
62.0-63.0	36.3	3.5	156.3	1.51	66.85
63.0-64.0	35.6	3.5	159.8	1.49	68.35
64.0-65.0	34.9	3.5	163.3	1.48	69.82
65.0-66.0	34.1	3.4	166.7	1.46	71.28
66.0-67.0	33.4	3.4	170.1	1.43	72.71
67.0-68.0	32.6	3.3	173.4	1.41	74.12
68.0-69.0	31.8	3.2	176.6	1.39	75.51
69.0-70.0	31.0	3.2	179.8	1.36	76.87
70.0-71.0	30.2	3.1	182.9	1.33	78.21
71.0-72.0	29.3	3.1	186.0	1.30	79.51

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	28.5	3.0	188.9	1.27	80.79
73.0-74.0	27.7	2.9	191.8	1.24	82.03
74.0-75.0	26.8	2.8	194.7	1.21	83.24
75.0-76.0	25.9	2.7	197.4	1.18	84.41
76.0-77.0	25.0	2.7	200.1	1.14	85.56
77.0-78.0	24.1	2.6	202.7	1.11	86.66
78.0-79.0	23.3	2.5	205.2	1.07	87.73
79.0-80.0	22.4	2.4	207.6	1.03	88.76
80.0-81.0	21.5	2.3	209.9	1.00	89.76
81.0-82.0	20.6	2.2	212.2	0.96	90.71
82.0-83.0	19.7	2.1	214.3	0.92	91.63
83.0-84.0	18.8	2.1	216.3	0.88	92.51
84.0-85.0	17.9	2.0	218.3	0.84	93.35
85.0-86.0	17.0	1.9	220.2	0.79	94.14
86.0-87.0	16.0	1.8	221.9	0.75	94.89
87.0-88.0	15.0	1.6	223.6	0.70	95.59
88.0-89.0	14.0	1.5	225.1	0.65	96.25
89.0-90.0	12.9	1.4	226.5	0.61	96.85
90.0-91.0	11.9	1.3	227.8	0.56	97.41
91.0-92.0	10.9	1.2	229.0	0.51	97.92
92.0-93.0	9.8	1.1	230.1	0.46	98.38
93.0-94.0	8.3	0.9	231.0	0.39	98.77
94.0-95.0	6.2	0.7	231.7	0.29	99.06
95.0-96.0	4.3	0.5	232.1	0.20	99.26
96.0-97.0	2.6	0.3	232.4	0.12	99.38
97.0-98.0	1.1	0.1	232.5	0.05	99.43
98.0-99.0	0.4	0.0	232.6	0.02	99.45
99.0-100.0	0.2	0.0	232.6	0.01	99.46
100.0-101.0	0.1	0.0	232.6	0.01	99.46
101.0-102.0	0.2	0.0	232.6	0.01	99.47
102.0-103.0	0.2	0.0	232.7	0.01	99.48
103.0-104.0	0.2	0.0	232.7	0.01	99.49
104.0-105.0	0.2	0.0	232.7	0.01	99.50
105.0-106.0	0.2	0.0	232.7	0.01	99.50
106.0-107.0	0.2	0.0	232.7	0.01	99.51
107.0-108.0	0.2	0.0	232.7	0.01	99.52

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:

## 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	232.8	0.01	99.53
109.0-110.0	0.2	0.0	232.8	0.01	99.54
110.0-111.0	0.2	0.0	232.8	0.01	99.55
111.0-112.0	0.2	0.0	232.8	0.01	99.55
112.0-113.0	0.2	0.0	232.8	0.01	99.56
113.0-114.0	0.2	0.0	232.9	0.01	99.57
114.0-115.0	0.2	0.0	232.9	0.01	99.58
115.0-116.0	0.2	0.0	232.9	0.01	99.59
116.0-117.0	0.2	0.0	232.9	0.01	99.60
117.0-118.0	0.2	0.0	233.0	0.01	99.61
118.0-119.0	0.2	0.0	233.0	0.01	99.62
119.0-120.0	0.2	0.0	233.0	0.01	99.63
120.0-121.0	0.2	0.0	233.0	0.01	99.64
121.0-122.0	0.2	0.0	233.0	0.01	99.65
122.0-123.0	0.2	0.0	233.1	0.01	99.66
123.0-124.0	0.3	0.0	233.1	0.01	99.67
124.0-125.0	0.2	0.0	233.1	0.01	99.68
125.0-126.0	0.2	0.0	233.1	0.01	99.68
126.0-127.0	0.2	0.0	233.2	0.01	99.69
127.0-128.0	0.3	0.0	233.2	0.01	99.70
128.0-129.0	0.3	0.0	233.2	0.01	99.71
129.0-130.0	0.3	0.0	233.2	0.01	99.72
130.0-131.0	0.3	0.0	233.2	0.01	99.73
131.0-132.0	0.3	0.0	233.3	0.01	99.74
132.0-133.0	0.3	0.0	233.3	0.01	99.75
133.0-134.0	0.3	0.0	233.3	0.01	99.76
134.0-135.0	0.3	0.0	233.3	0.01	99.77
135.0-136.0	0.3	0.0	233.3	0.01	99.78
136.0-137.0	0.3	0.0	233.4	0.01	99.79
137.0-138.0	0.3	0.0	233.4	0.01	99.80
138.0-139.0	0.3	0.0	233.4	0.01	99.80
139.0-140.0	0.3	0.0	233.4	0.01	99.81
140.0-141.0	0.3	0.0	233.4	0.01	99.82
141.0-142.0	0.3	0.0	233.5	0.01	99.83
142.0-143.0	0.3	0.0	233.5	0.01	99.84
143.0-144.0	0.3	0.0	233.5	0.01	99.85

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	0.3	0.0	233.5	0.01	99.85
145.0-146.0	0.3	0.0	233.5	0.01	99.86
146.0-147.0	0.3	0.0	233.6	0.01	99.87
147.0-148.0	0.3	0.0	233.6	0.01	99.88
148.0-149.0	0.3	0.0	233.6	0.01	99.88
149.0-150.0	0.3	0.0	233.6	0.01	99.89
150.0-151.0	0.3	0.0	233.6	0.01	99.90
151.0-152.0	0.3	0.0	233.6	0.01	99.90
152.0-153.0	0.3	0.0	233.7	0.01	99.91
153.0-154.0	0.3	0.0	233.7	0.01	99.92
154.0-155.0	0.3	0.0	233.7	0.01	99.92
155.0-156.0	0.3	0.0	233.7	0.01	99.93
156.0-157.0	0.3	0.0	233.7	0.01	99.93
157.0-158.0	0.3	0.0	233.7	0.01	99.94
158.0-159.0	0.3	0.0	233.7	0.01	99.94
159.0-160.0	0.3	0.0	233.7	0.00	99.95
160.0-161.0	0.3	0.0	233.8	0.00	99.95
161.0-162.0	0.3	0.0	233.8	0.00	99.96
162.0-163.0	0.3	0.0	233.8	0.00	99.96
163.0-164.0	0.3	0.0	233.8	0.00	99.97
164.0-165.0	0.3	0.0	233.8	0.00	99.97
165.0-166.0	0.3	0.0	233.8	0.00	99.97
166.0-167.0	0.3	0.0	233.8	0.00	99.98
167.0-168.0	0.3	0.0	233.8	0.00	99.98
168.0-169.0	0.3	0.0	233.8	0.00	99.98
169.0-170.0	0.3	0.0	233.8	0.00	99.99
170.0-171.0	0.3	0.0	233.8	0.00	99.99
171.0-172.0	0.3	0.0	233.8	0.00	99.99
172.0-173.0	0.3	0.0	233.9	0.00	99.99
173.0-174.0	0.3	0.0	233.9	0.00	100.00
174.0-175.0	0.3	0.0	233.9	0.00	100.00
175.0-176.0	0.3	0.0	233.9	0.00	100.00
176.0-177.0	0.3	0.0	233.9	0.00	100.00
177.0-178.0	0.3	0.0	233.9	0.00	100.00
178.0-179.0	0.3	0.0	233.9	0.00	100.00
179.0-180.0	0.3	0.0	233.9	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: