

Report No.:

Test Time: 2019/11/30 16:07

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RBMC9020241.018-140

Luminaire Description: RBMC9020241.018-140

Luminous Length (mm): 500

Luminous Width (mm): 5

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.065 A

Power: 1.55 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 117.9 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H162,H114.9

Vertical Diffuse Angle(10%,50%): V162.6,V114.2

Luminaire Efficacy Rating (LER): 76

Max. Intensity: 40.28 cd

Total Rated Lamp Lumens: 117.9 lm

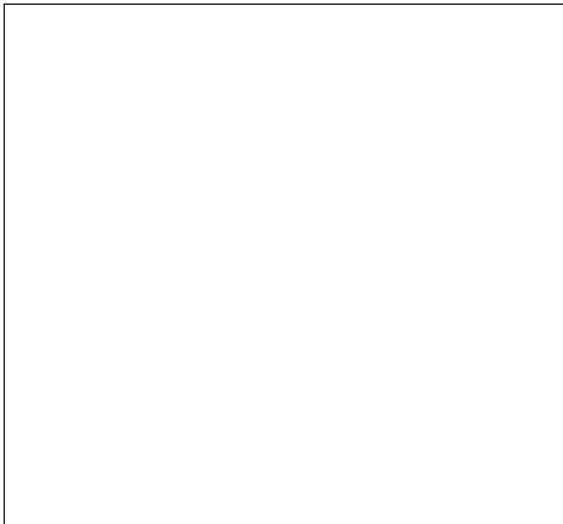
Efficiency: 100%

Upward Ratio: 1%

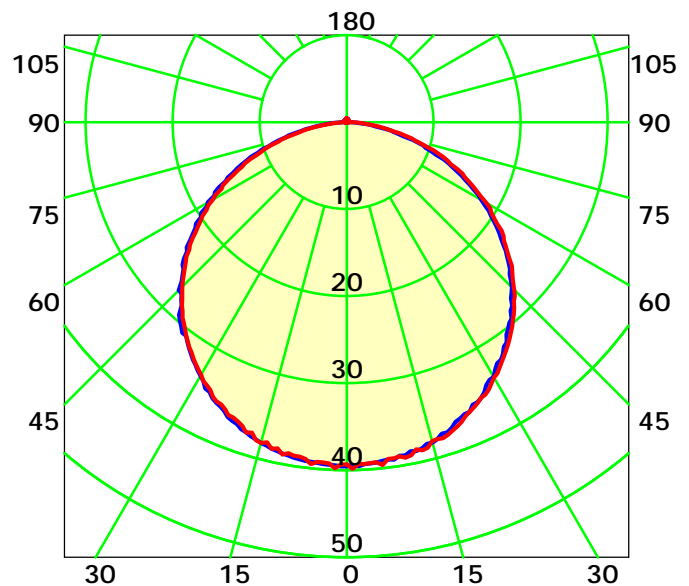
Central Intensity: 39.99 cd

Pos of Max. Intensity: H90 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 114.6° 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

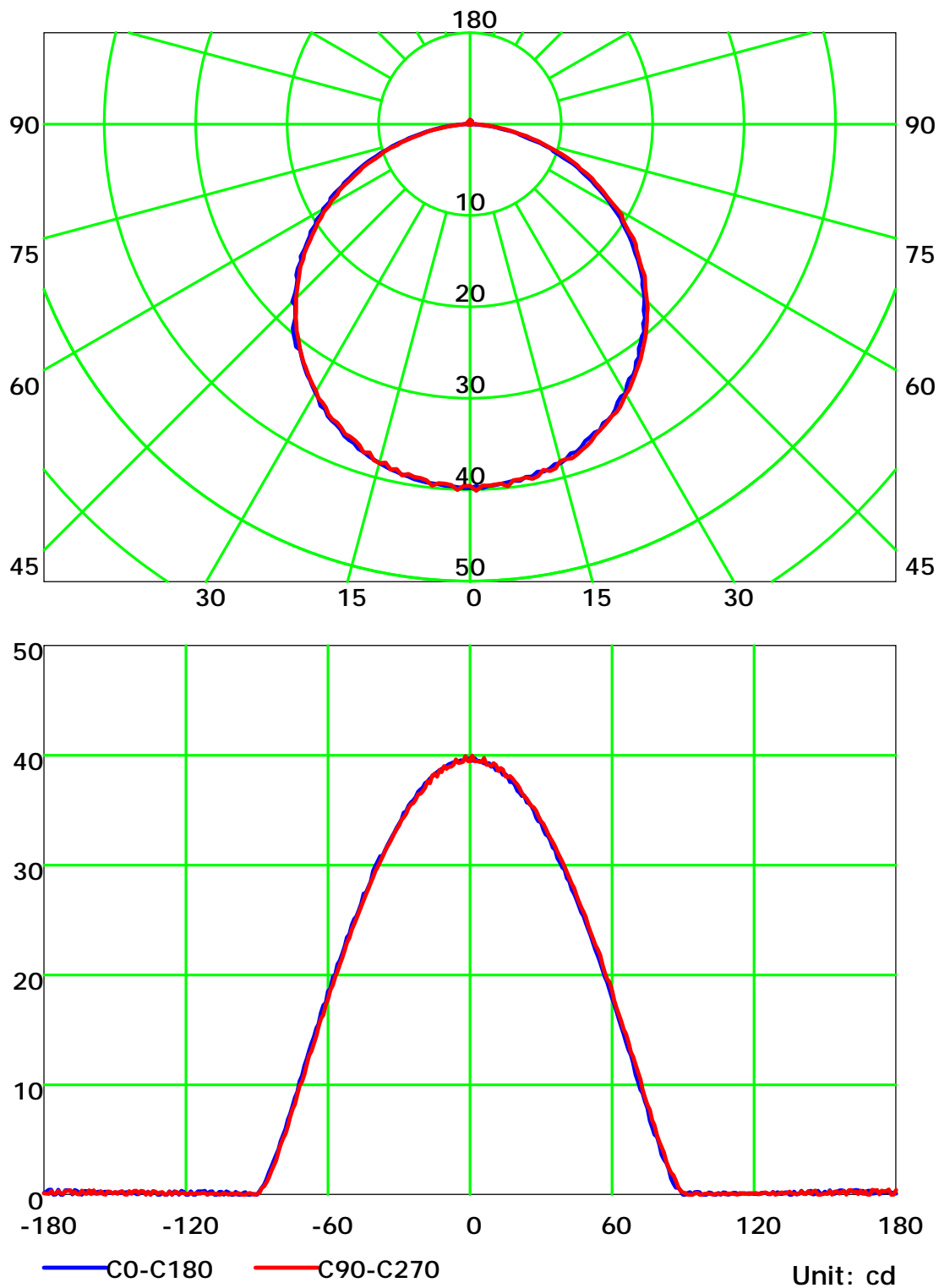
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

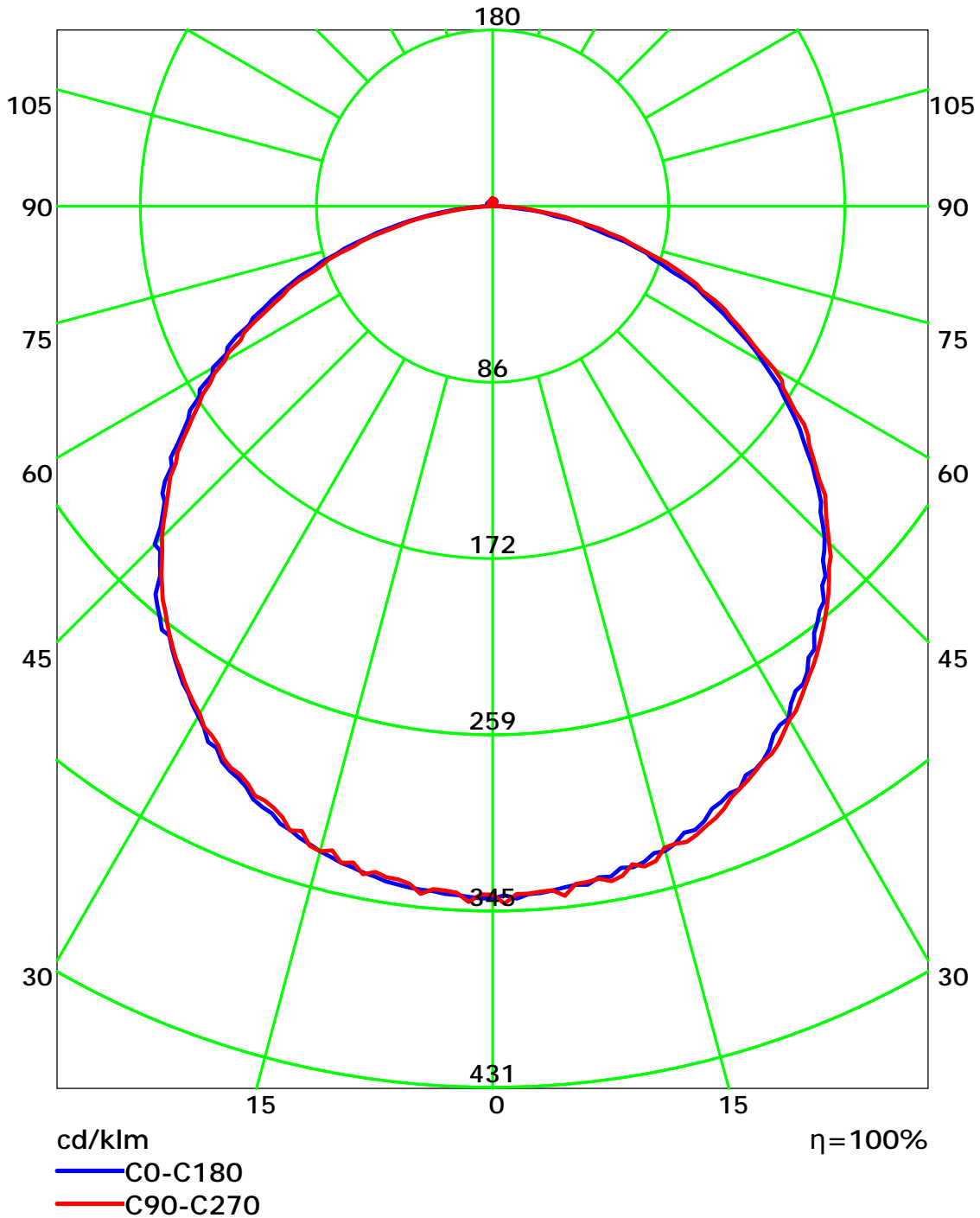
Luminous Intensity Distribution Curve



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:

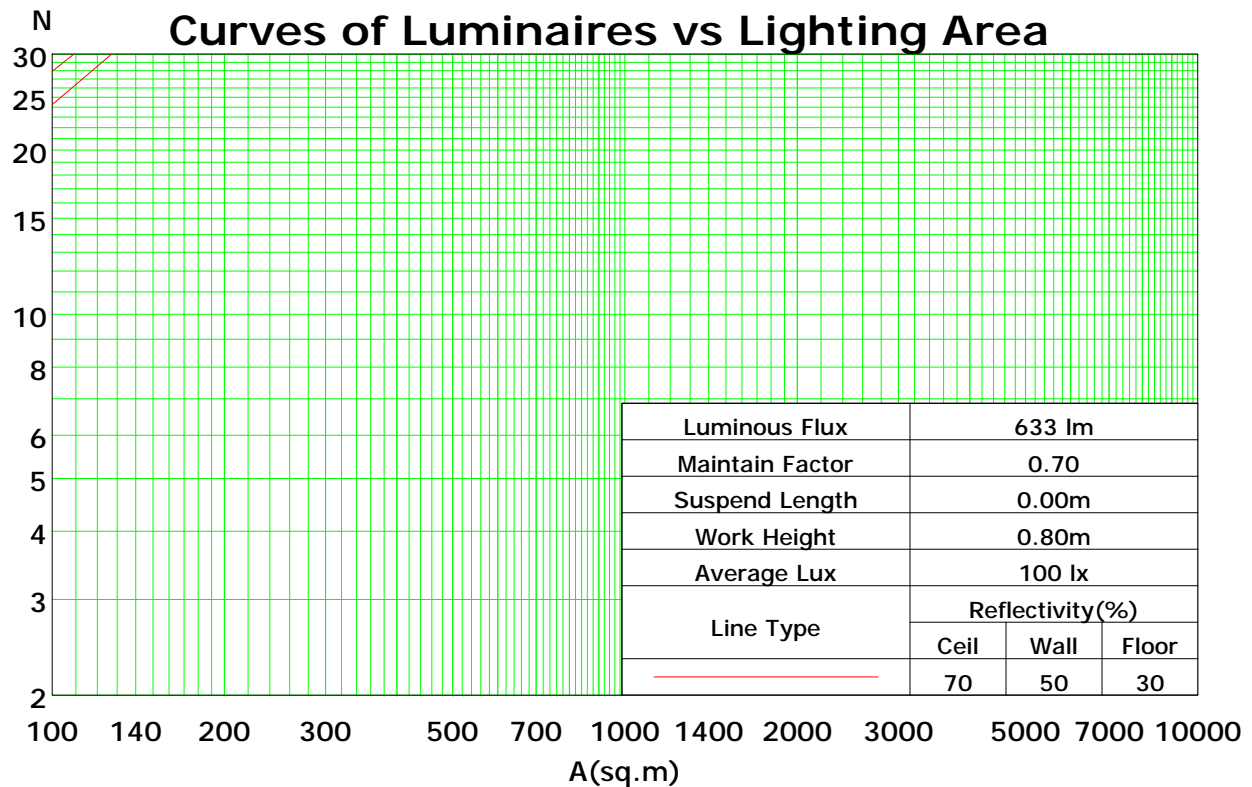
Coefficients Of Utilization - Zonal Cavity Method

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	32
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	37	30	26	37	30	25	36	30	25	23

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.27

Spacing Criteria (Diagonal): 1.39



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

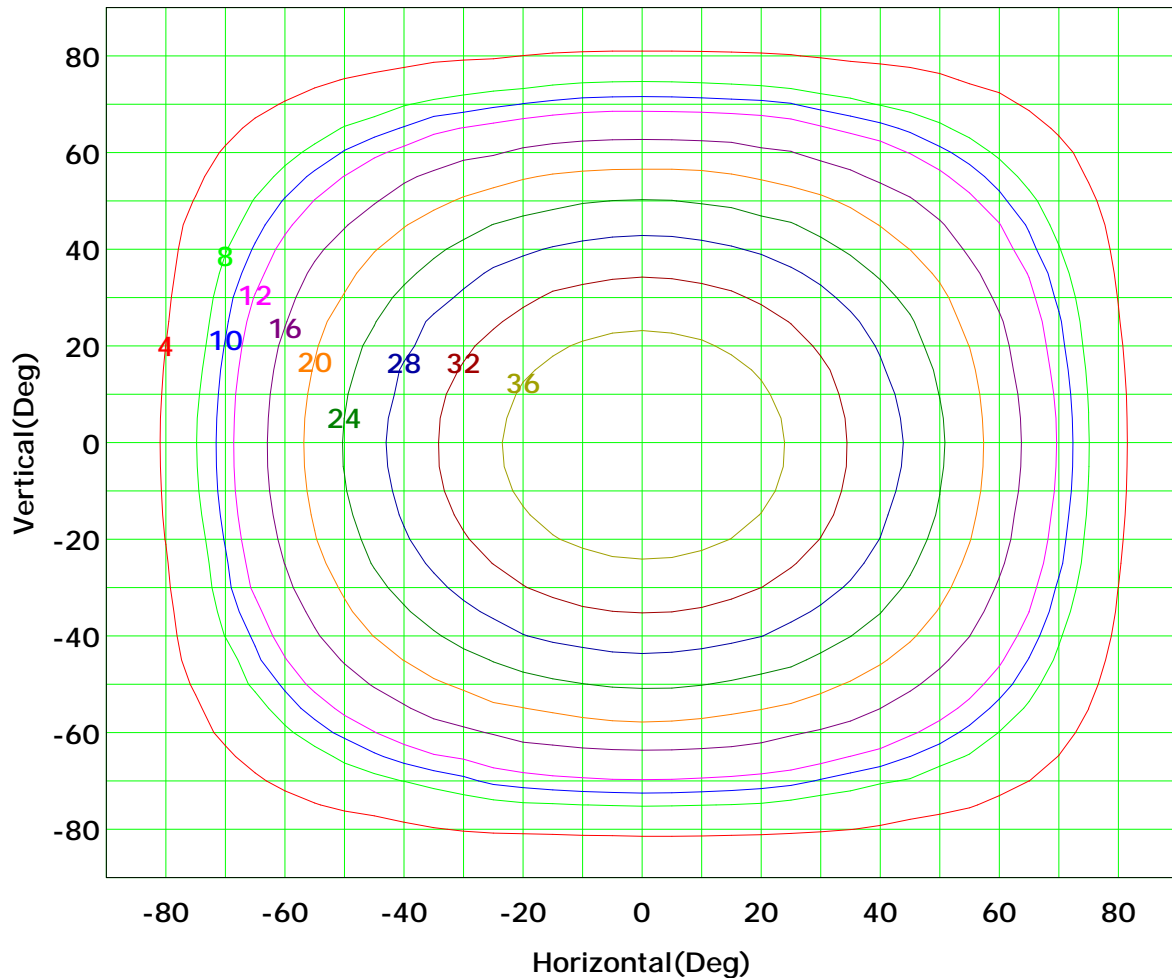
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 40 cd

(10%):	4 cd	(20%):	8 cd
(25%):	10 cd	(30%):	12 cd
(40%):	16 cd	(50%):	20 cd
(60%):	24 cd	(70%):	28 cd
(80%):	32 cd	(90%):	36 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

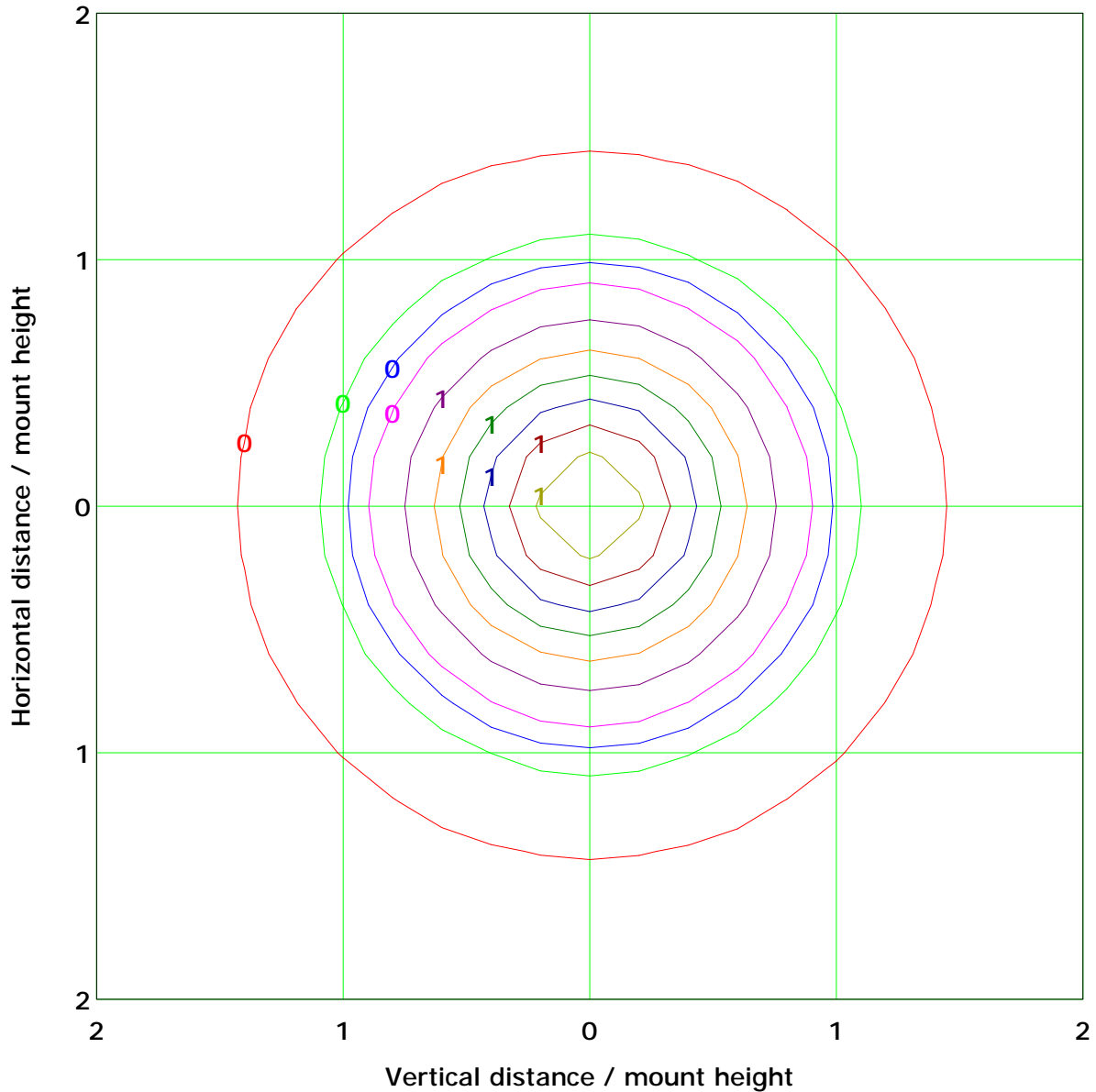
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 1.6 lx

(10%): 0.2 lx	(20%): 0.3 lx
(25%): 0.4 lx	(30%): 0.5 lx
(40%): 0.6 lx	(50%): 0.8 lx
(60%): 1.0 lx	(70%): 1.1 lx
(80%): 1.3 lx	(90%): 1.4 lx

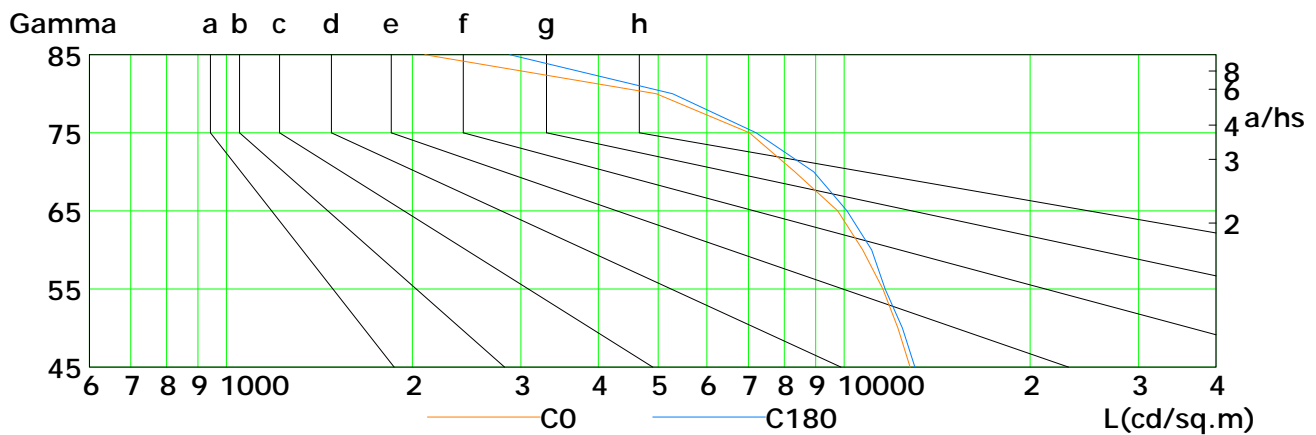
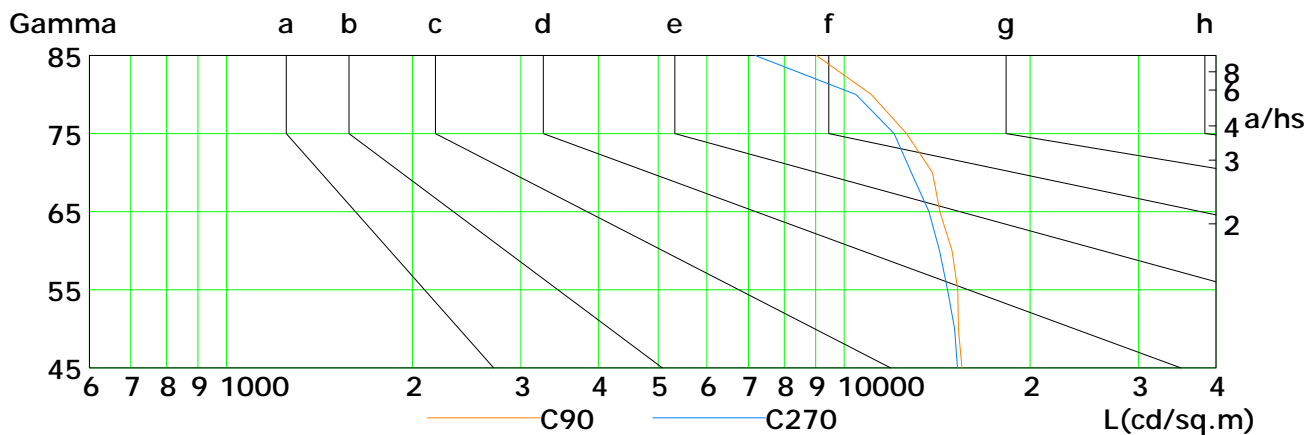
C Plane (°):0.0-360.0: 30.0
Test Lab: ACOLYTE
Test Type: TYPE C
Temperature: 25
Operator: Zk

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	12789	12231	11559	10725	9770	8325	7026	4965	2095
C90	15525	15309	15285	14948	14297	13899	12625	11069	9019
C180	13025	12427	11652	11087	10115	8937	7203	5278	2877
C270	15260	15104	14701	14279	13731	12853	12057	10455	7179

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

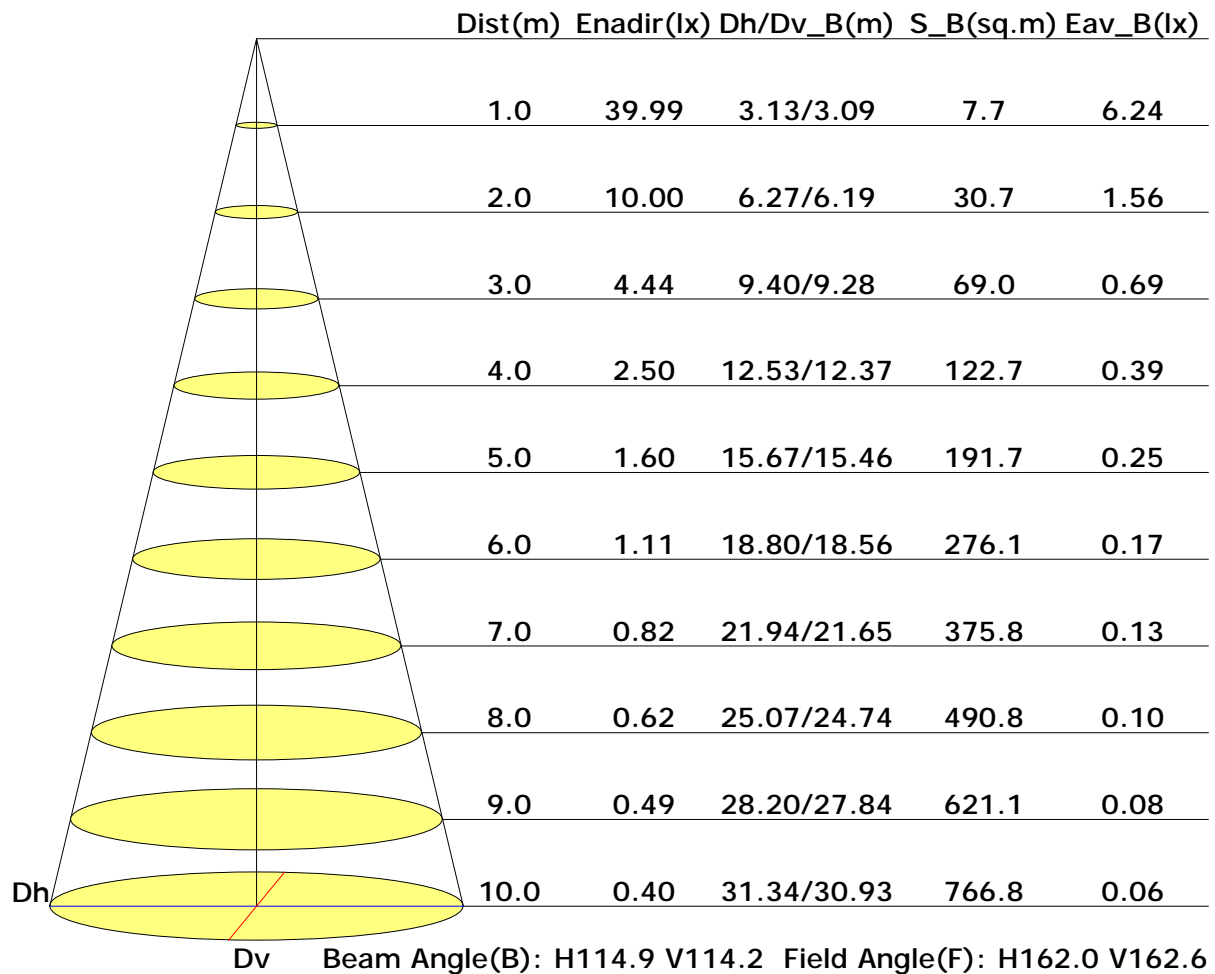
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

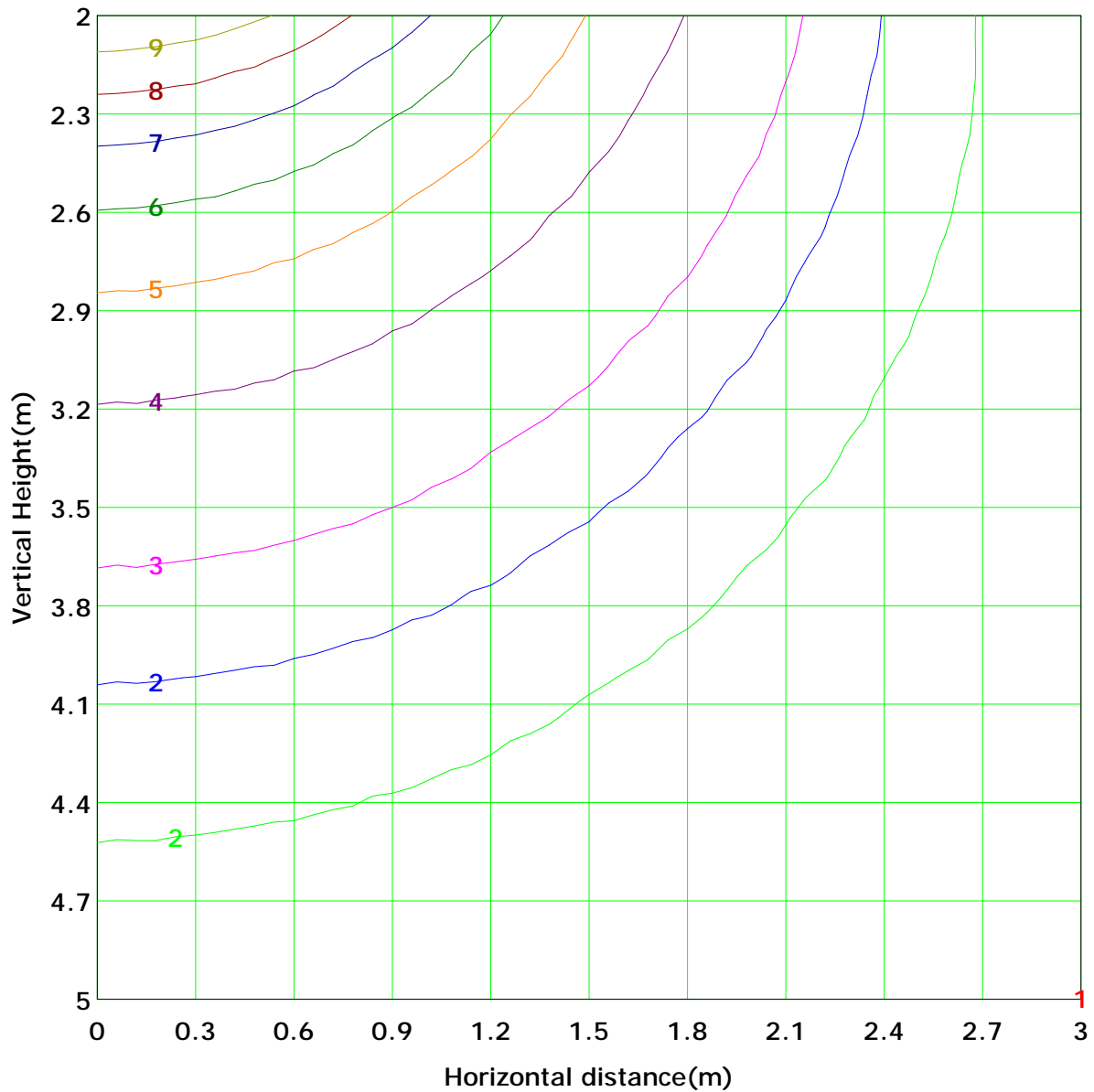
Illuminance at a Distance



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:

Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 10.0 lx
(10%): 1.0 lx	(20%): 2.0 lx	(30%): 3.0 lx
(25%): 2.5 lx	(40%): 4.0 lx	(50%): 5.0 lx
(60%): 6.0 lx	(70%): 7.0 lx	(90%): 9.0 lx
(80%): 8.0 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:

Area Flux Table

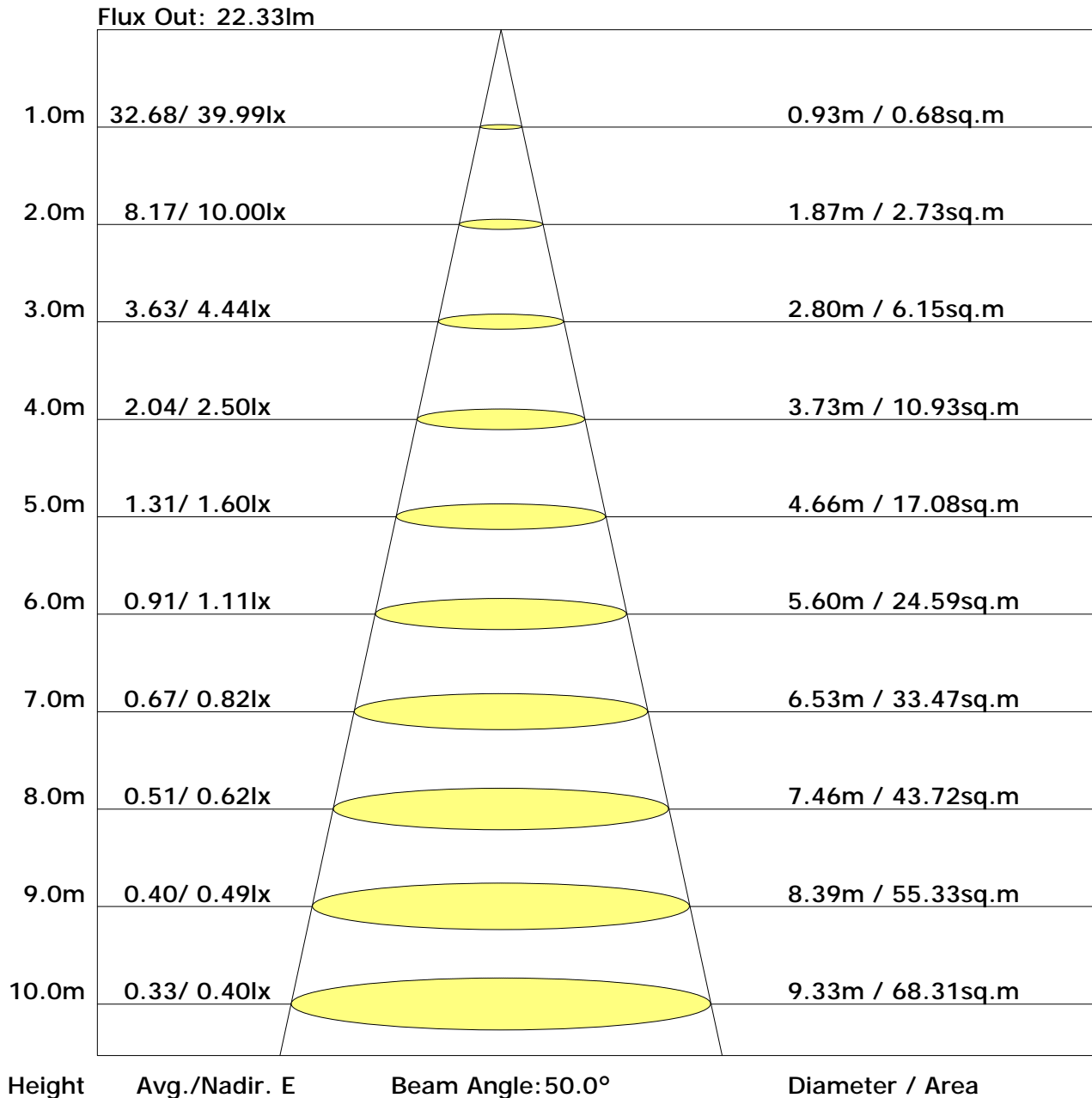
Unit: lm

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)
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
		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	0.1	0.1	0.1	0.1	0.0	0.0	2.1	2.0
		0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.1	0.0	0.0	4.1	4.0
		0.0	0.0	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	6.4	6.3
		0.0	0.0	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.2	0.0	0.0	8.8	8.7
		0.0	0.0	0.4	0.5	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.7	0.4	0.2	0.1	0.0	10.9	10.8
		0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.5	0.4	0.2	0.0	12.4	12.4
		0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.0	13.3	13.2
		0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.0	13.2	13.2
		0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.6	0.4	0.2	0.0	12.4	12.3
		0.0	0.1	0.2	0.3	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.1	1.0	0.9	0.8	0.6	0.4	0.2	0.0	10.8	10.7
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	8.7	8.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	6.3	6.2
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	4.0	3.9
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	2.0	1.9
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	0.7	0.6
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	0.1	0.0
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	0.6	0.5
		0.0	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.0	117	115

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



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:

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	28.6	30.3	29.0	30.6	30.9	28.2	29.8	28.5	30.1	30.4
3H	30.4	31.9	30.8	32.3	32.6	29.8	31.3	30.2	31.6	32.0
4H	31.1	32.5	31.5	32.9	33.3	30.4	31.8	30.8	32.1	32.5
6H	31.6	32.8	32.0	33.2	33.6	30.7	32.0	31.2	32.4	32.8
8H	31.7	32.9	32.1	33.3	33.7	30.8	32.1	31.3	32.5	32.9
12H	31.8	32.9	32.2	33.3	33.8	30.9	32.1	31.3	32.5	32.9
X=4H Y=2H	29.2	30.5	29.6	30.9	31.3	28.8	30.2	29.2	30.6	31.0
3H	31.2	32.3	31.6	32.7	33.2	30.7	31.9	31.1	32.3	32.7
4H	31.9	33.0	32.4	33.4	33.9	31.4	32.4	31.8	32.8	33.3
6H	32.5	33.4	32.9	33.9	34.3	31.8	32.8	32.3	33.2	33.7
8H	32.6	33.5	33.1	34.0	34.4	32.0	32.8	32.4	33.3	33.8
12H	32.8	33.5	33.2	34.0	34.5	32.0	32.8	32.5	33.3	33.8
X=8H Y=4H	32.1	33.0	32.6	33.5	33.9	31.7	32.5	32.1	33.0	33.5
6H	32.8	33.5	33.3	34.0	34.5	32.2	32.9	32.7	33.4	33.9
8H	33.0	33.6	33.5	34.1	34.6	32.4	33.0	32.9	33.6	34.1
12H	33.1	33.7	33.7	34.2	34.8	32.5	33.1	33.0	33.6	34.1
X=12H Y=4H	32.2	32.9	32.6	33.4	33.9	31.7	32.5	32.2	33.0	33.4
6H	32.8	33.5	33.3	33.9	34.5	32.3	32.9	32.8	33.4	33.9
8H	33.0	33.6	33.6	34.1	34.7	32.5	33.0	33.0	33.5	34.1

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 = 1.25								
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	0.56	0.66	0.74	0.79	0.86	0.92	0.95	1.00	1.03
	0.30		0.48	0.58	0.66	0.72	0.80	0.86	0.90	0.96	0.99
	0.20		0.42	0.52	0.60	0.66	0.75	0.81	0.86	0.92	0.96
0.50	0.50	0.20	0.54	0.64	0.71	0.76	0.83	0.88	0.91	0.96	0.99
	0.30		0.47	0.57	0.64	0.70	0.78	0.83	0.87	0.92	0.95
	0.20		0.42	0.52	0.59	0.65	0.73	0.79	0.83	0.89	0.93
0.30	0.50	0.20	0.52	0.62	0.69	0.73	0.80	0.85	0.88	0.92	0.95
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.84	0.89	0.92
	0.20		0.41	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.90
0.00	0.00	0.00	0.39	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85
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 = 1.25								
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	1.01	0.84	0.71	0.62	0.50	0.41	0.35	0.27	0.22
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.30	0.24	0.20
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21
	0.30		0.82	0.70	0.60	0.53	0.43	0.36	0.31	0.25	0.20
	0.20		0.72	0.61	0.54	0.48	0.40	0.34	0.29	0.23	0.19
0.30	0.50	0.20	0.95	0.77	0.66	0.57	0.45	0.37	0.32	0.25	0.20
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.19
	0.20		0.71	0.61	0.53	0.47	0.39	0.33	0.28	0.23	0.19
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.31	0.26	0.23	0.18	0.15
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 = 1.25								
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		0.05	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.07	0.08	0.09	0.11	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	0.12	0.13	0.15	0.16	0.17	0.18	0.18
	0.20		0.05	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16
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: 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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	39.9	0.0	0.0	0.03	0.03
1.0-2.0	40.0	0.1	0.2	0.10	0.13
2.0-3.0	39.9	0.2	0.3	0.16	0.29
3.0-4.0	39.9	0.3	0.6	0.23	0.52
4.0-5.0	39.8	0.3	1.0	0.29	0.81
5.0-6.0	39.8	0.4	1.4	0.35	1.16
6.0-7.0	39.7	0.5	1.9	0.42	1.58
7.0-8.0	39.6	0.6	2.4	0.48	2.06
8.0-9.0	39.5	0.6	3.1	0.54	2.60
9.0-10.0	39.4	0.7	3.8	0.60	3.21
10.0-11.0	39.3	0.8	4.6	0.67	3.87
11.0-12.0	39.1	0.9	5.4	0.73	4.60
12.0-13.0	39.0	0.9	6.3	0.78	5.38
13.0-14.0	38.8	1.0	7.3	0.84	6.23
14.0-15.0	38.6	1.1	8.4	0.90	7.13
15.0-16.0	38.4	1.1	9.5	0.95	8.08
16.0-17.0	38.2	1.2	10.7	1.01	9.09
17.0-18.0	38.0	1.3	12.0	1.06	10.15
18.0-19.0	37.7	1.3	13.3	1.11	11.26
19.0-20.0	37.4	1.4	14.6	1.16	12.43
20.0-21.0	37.1	1.4	16.1	1.21	13.64
21.0-22.0	36.9	1.5	17.6	1.26	14.90
22.0-23.0	36.6	1.5	19.1	1.30	16.20
23.0-24.0	36.3	1.6	20.7	1.35	17.55
24.0-25.0	36.1	1.6	22.3	1.39	18.94
25.0-26.0	35.8	1.7	24.0	1.43	20.37
26.0-27.0	35.4	1.7	25.7	1.47	21.84
27.0-28.0	35.0	1.8	27.5	1.50	23.34
28.0-29.0	34.7	1.8	29.3	1.54	24.88
29.0-30.0	34.3	1.9	31.2	1.57	26.45
30.0-31.0	33.9	1.9	33.1	1.60	28.06
31.0-32.0	33.5	1.9	35.0	1.63	29.68
32.0-33.0	33.1	2.0	36.9	1.66	31.34
33.0-34.0	32.7	2.0	38.9	1.68	33.02
34.0-35.0	32.3	2.0	40.9	1.70	34.72
35.0-36.0	31.9	2.0	43.0	1.72	36.44

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	31.4	2.1	45.0	1.74	38.18
37.0-38.0	31.0	2.1	47.1	1.75	39.94
38.0-39.0	30.5	2.1	49.2	1.77	41.71
39.0-40.0	30.1	2.1	51.3	1.78	43.49
40.0-41.0	29.6	2.1	53.4	1.79	45.27
41.0-42.0	29.1	2.1	55.5	1.79	47.06
42.0-43.0	28.6	2.1	57.6	1.80	48.86
43.0-44.0	28.0	2.1	59.7	1.80	50.65
44.0-45.0	27.6	2.1	61.8	1.80	52.45
45.0-46.0	27.0	2.1	63.9	1.79	54.24
46.0-47.0	26.4	2.1	66.0	1.78	56.03
47.0-48.0	25.9	2.1	68.1	1.77	57.80
48.0-49.0	25.3	2.1	70.2	1.77	59.57
49.0-50.0	24.8	2.1	72.3	1.75	61.32
50.0-51.0	24.2	2.0	74.3	1.74	63.06
51.0-52.0	23.6	2.0	76.4	1.72	64.77
52.0-53.0	23.0	2.0	78.4	1.69	66.47
53.0-54.0	22.4	2.0	80.3	1.68	68.14
54.0-55.0	21.9	2.0	82.3	1.66	69.80
55.0-56.0	21.2	1.9	84.2	1.63	71.43
56.0-57.0	20.6	1.9	86.1	1.59	73.02
57.0-58.0	20.0	1.8	87.9	1.57	74.59
58.0-59.0	19.3	1.8	89.7	1.53	76.12
59.0-60.0	18.7	1.8	91.5	1.50	77.61
60.0-61.0	18.0	1.7	93.2	1.46	79.07
61.0-62.0	17.3	1.7	94.9	1.42	80.49
62.0-63.0	16.7	1.6	96.5	1.37	81.86
63.0-64.0	16.0	1.6	98.1	1.33	83.19
64.0-65.0	15.3	1.5	99.6	1.28	84.48
65.0-66.0	14.6	1.5	101.0	1.24	85.72
66.0-67.0	14.0	1.4	102.5	1.19	86.91
67.0-68.0	13.3	1.3	103.8	1.14	88.05
68.0-69.0	12.6	1.3	105.1	1.09	89.13
69.0-70.0	11.9	1.2	106.3	1.03	90.17
70.0-71.0	11.1	1.2	107.5	0.98	91.15
71.0-72.0	10.5	1.1	108.5	0.92	92.07

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	9.8	1.0	109.6	0.87	92.94
73.0-74.0	9.0	0.9	110.5	0.80	93.74
74.0-75.0	8.3	0.9	111.4	0.75	94.49
75.0-76.0	7.6	0.8	112.2	0.69	95.17
76.0-77.0	7.0	0.7	112.9	0.63	95.81
77.0-78.0	6.3	0.7	113.6	0.57	96.38
78.0-79.0	5.6	0.6	114.2	0.51	96.89
79.0-80.0	5.0	0.5	114.8	0.46	97.35
80.0-81.0	4.4	0.5	115.2	0.41	97.76
81.0-82.0	3.8	0.4	115.7	0.35	98.11
82.0-83.0	3.2	0.3	116.0	0.30	98.40
83.0-84.0	2.6	0.3	116.3	0.24	98.65
84.0-85.0	2.2	0.2	116.5	0.20	98.85
85.0-86.0	1.7	0.2	116.7	0.16	99.01
86.0-87.0	1.3	0.1	116.9	0.12	99.13
87.0-88.0	0.9	0.1	117.0	0.08	99.21
88.0-89.0	0.5	0.1	117.0	0.05	99.25
89.0-90.0	0.2	0.0	117.0	0.02	99.27
90.0-91.0	0.1	0.0	117.0	0.01	99.29
91.0-92.0	0.1	0.0	117.1	0.01	99.30
92.0-93.0	0.1	0.0	117.1	0.01	99.30
93.0-94.0	0.1	0.0	117.1	0.01	99.31
94.0-95.0	0.1	0.0	117.1	0.01	99.32
95.0-96.0	0.1	0.0	117.1	0.01	99.33
96.0-97.0	0.1	0.0	117.1	0.01	99.33
97.0-98.0	0.1	0.0	117.1	0.00	99.34
98.0-99.0	0.1	0.0	117.1	0.01	99.35
99.0-100.0	0.1	0.0	117.1	0.01	99.35
100.0-101.0	0.1	0.0	117.1	0.01	99.36
101.0-102.0	0.1	0.0	117.1	0.01	99.37
102.0-103.0	0.1	0.0	117.2	0.01	99.38
103.0-104.0	0.1	0.0	117.2	0.01	99.38
104.0-105.0	0.1	0.0	117.2	0.01	99.39
105.0-106.0	0.1	0.0	117.2	0.01	99.40
106.0-107.0	0.1	0.0	117.2	0.01	99.40
107.0-108.0	0.1	0.0	117.2	0.01	99.41

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.1	0.0	117.2	0.01	99.42
109.0-110.0	0.1	0.0	117.2	0.01	99.43
110.0-111.0	0.1	0.0	117.2	0.01	99.44
111.0-112.0	0.1	0.0	117.2	0.01	99.45
112.0-113.0	0.1	0.0	117.3	0.01	99.46
113.0-114.0	0.1	0.0	117.3	0.01	99.47
114.0-115.0	0.1	0.0	117.3	0.01	99.48
115.0-116.0	0.1	0.0	117.3	0.01	99.49
116.0-117.0	0.1	0.0	117.3	0.01	99.50
117.0-118.0	0.1	0.0	117.3	0.01	99.50
118.0-119.0	0.1	0.0	117.3	0.01	99.51
119.0-120.0	0.2	0.0	117.3	0.01	99.53
120.0-121.0	0.1	0.0	117.3	0.01	99.54
121.0-122.0	0.1	0.0	117.4	0.01	99.55
122.0-123.0	0.2	0.0	117.4	0.01	99.56
123.0-124.0	0.1	0.0	117.4	0.01	99.57
124.0-125.0	0.1	0.0	117.4	0.01	99.58
125.0-126.0	0.1	0.0	117.4	0.01	99.59
126.0-127.0	0.1	0.0	117.4	0.01	99.60
127.0-128.0	0.2	0.0	117.4	0.01	99.61
128.0-129.0	0.1	0.0	117.4	0.01	99.62
129.0-130.0	0.2	0.0	117.5	0.01	99.63
130.0-131.0	0.1	0.0	117.5	0.01	99.64
131.0-132.0	0.1	0.0	117.5	0.01	99.65
132.0-133.0	0.2	0.0	117.5	0.01	99.66
133.0-134.0	0.2	0.0	117.5	0.01	99.68
134.0-135.0	0.1	0.0	117.5	0.01	99.68
135.0-136.0	0.1	0.0	117.5	0.01	99.69
136.0-137.0	0.2	0.0	117.5	0.01	99.71
137.0-138.0	0.2	0.0	117.6	0.01	99.72
138.0-139.0	0.2	0.0	117.6	0.01	99.73
139.0-140.0	0.2	0.0	117.6	0.01	99.74
140.0-141.0	0.1	0.0	117.6	0.01	99.74
141.0-142.0	0.2	0.0	117.6	0.01	99.76
142.0-143.0	0.2	0.0	117.6	0.01	99.77
143.0-144.0	0.2	0.0	117.6	0.01	99.78

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.2	0.0	117.6	0.01	99.79
145.0-146.0	0.2	0.0	117.7	0.01	99.80
146.0-147.0	0.2	0.0	117.7	0.01	99.81
147.0-148.0	0.2	0.0	117.7	0.01	99.82
148.0-149.0	0.1	0.0	117.7	0.01	99.83
149.0-150.0	0.2	0.0	117.7	0.01	99.84
150.0-151.0	0.2	0.0	117.7	0.01	99.85
151.0-152.0	0.2	0.0	117.7	0.01	99.86
152.0-153.0	0.2	0.0	117.7	0.01	99.87
153.0-154.0	0.2	0.0	117.7	0.01	99.87
154.0-155.0	0.2	0.0	117.7	0.01	99.88
155.0-156.0	0.2	0.0	117.8	0.01	99.89
156.0-157.0	0.2	0.0	117.8	0.01	99.90
157.0-158.0	0.3	0.0	117.8	0.01	99.91
158.0-159.0	0.2	0.0	117.8	0.01	99.92
159.0-160.0	0.2	0.0	117.8	0.01	99.92
160.0-161.0	0.2	0.0	117.8	0.01	99.93
161.0-162.0	0.2	0.0	117.8	0.01	99.94
162.0-163.0	0.3	0.0	117.8	0.01	99.95
163.0-164.0	0.2	0.0	117.8	0.01	99.95
164.0-165.0	0.2	0.0	117.8	0.00	99.96
165.0-166.0	0.2	0.0	117.8	0.01	99.96
166.0-167.0	0.3	0.0	117.8	0.01	99.97
167.0-168.0	0.2	0.0	117.9	0.01	99.97
168.0-169.0	0.2	0.0	117.9	0.00	99.98
169.0-170.0	0.2	0.0	117.9	0.00	99.98
170.0-171.0	0.2	0.0	117.9	0.00	99.98
171.0-172.0	0.2	0.0	117.9	0.00	99.99
172.0-173.0	0.3	0.0	117.9	0.00	99.99
173.0-174.0	0.3	0.0	117.9	0.00	99.99
174.0-175.0	0.2	0.0	117.9	0.00	99.99
175.0-176.0	0.2	0.0	117.9	0.00	100.00
176.0-177.0	0.3	0.0	117.9	0.00	100.00
177.0-178.0	0.3	0.0	117.9	0.00	100.00
178.0-179.0	0.3	0.0	117.9	0.00	100.00
179.0-180.0	0.2	0.0	117.9	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: