

Report No.:

Test Time: 2019/11/30 11:42

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RBMC9020243.020-140

Luminaire Description: RBMC9020243.020-140

Luminous Length (mm): 500

Luminous Width (mm): 5

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.205 A

Power: 4.93 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 419 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H162.3,H115

Vertical Diffuse Angle(10%,50%): V164.8,V115

Luminaire Efficacy Rating (LER): 85

Max. Intensity: 141.28 cd

Total Rated Lamp Lumens: 419.0 lm

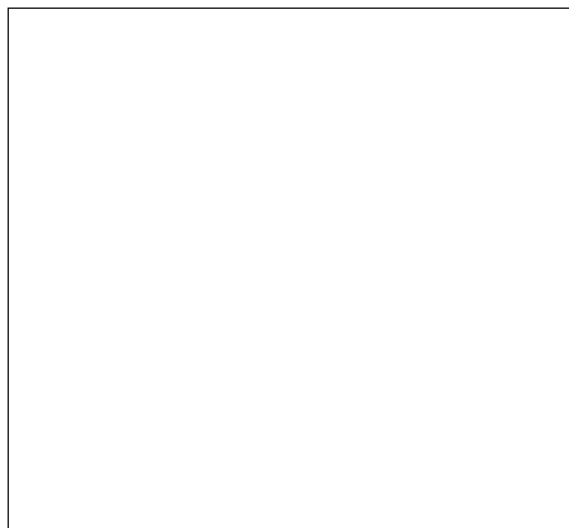
Efficiency: 100%

Upward Ratio: 1%

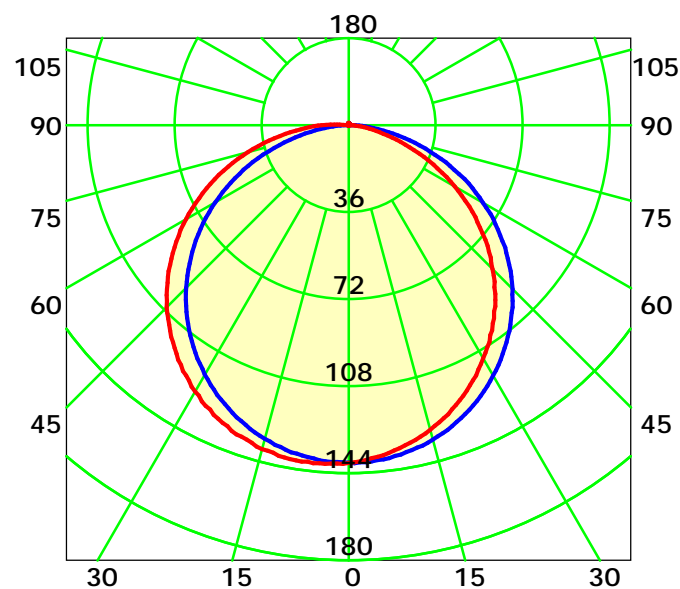
Central Intensity: 140.2 cd

Pos of Max. Intensity: H270 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 115.0° 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

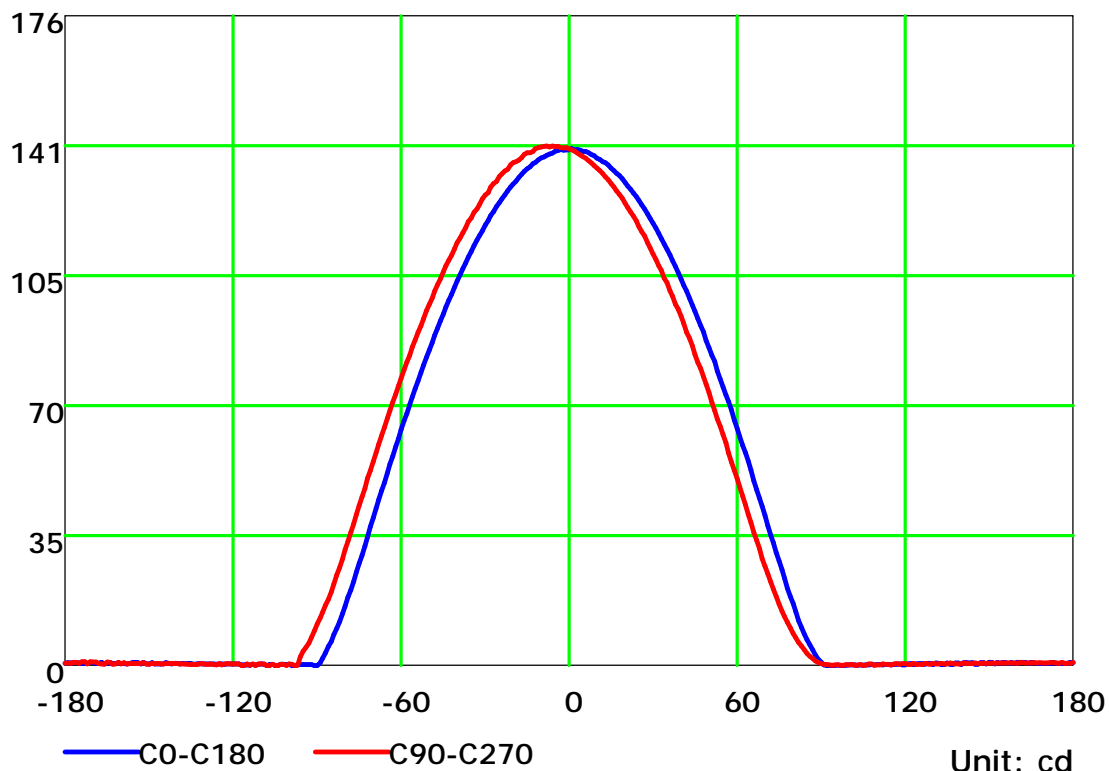
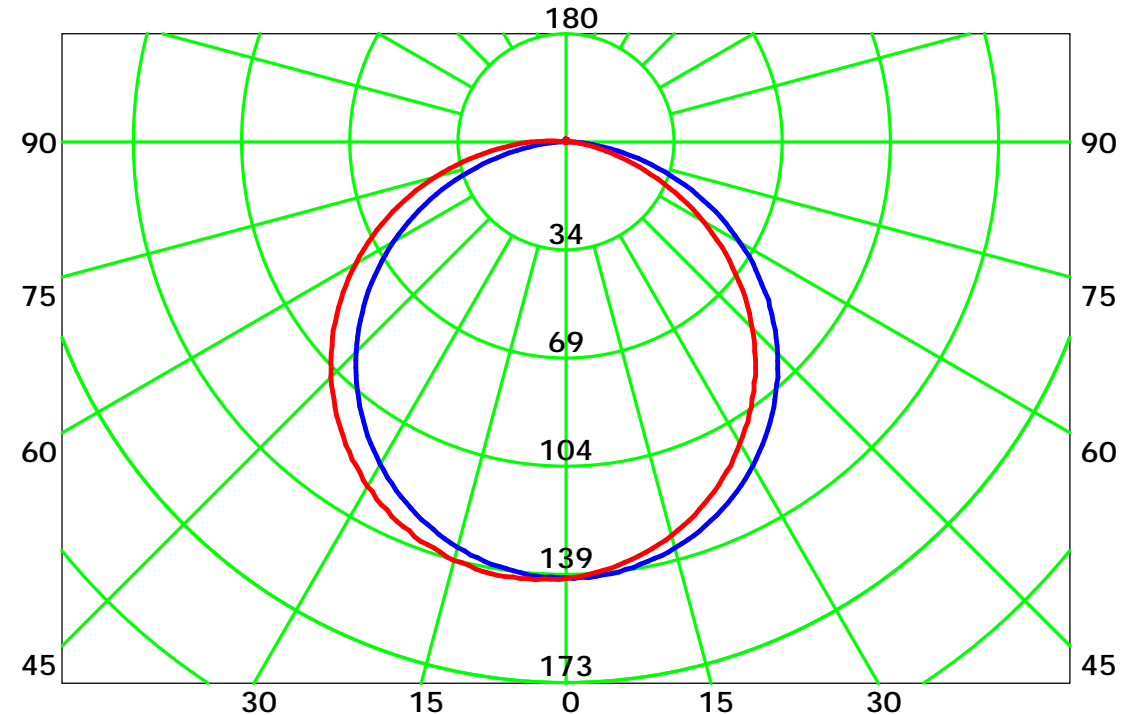
Distance: 9.028 m

Humidity: 60%

Inspector:



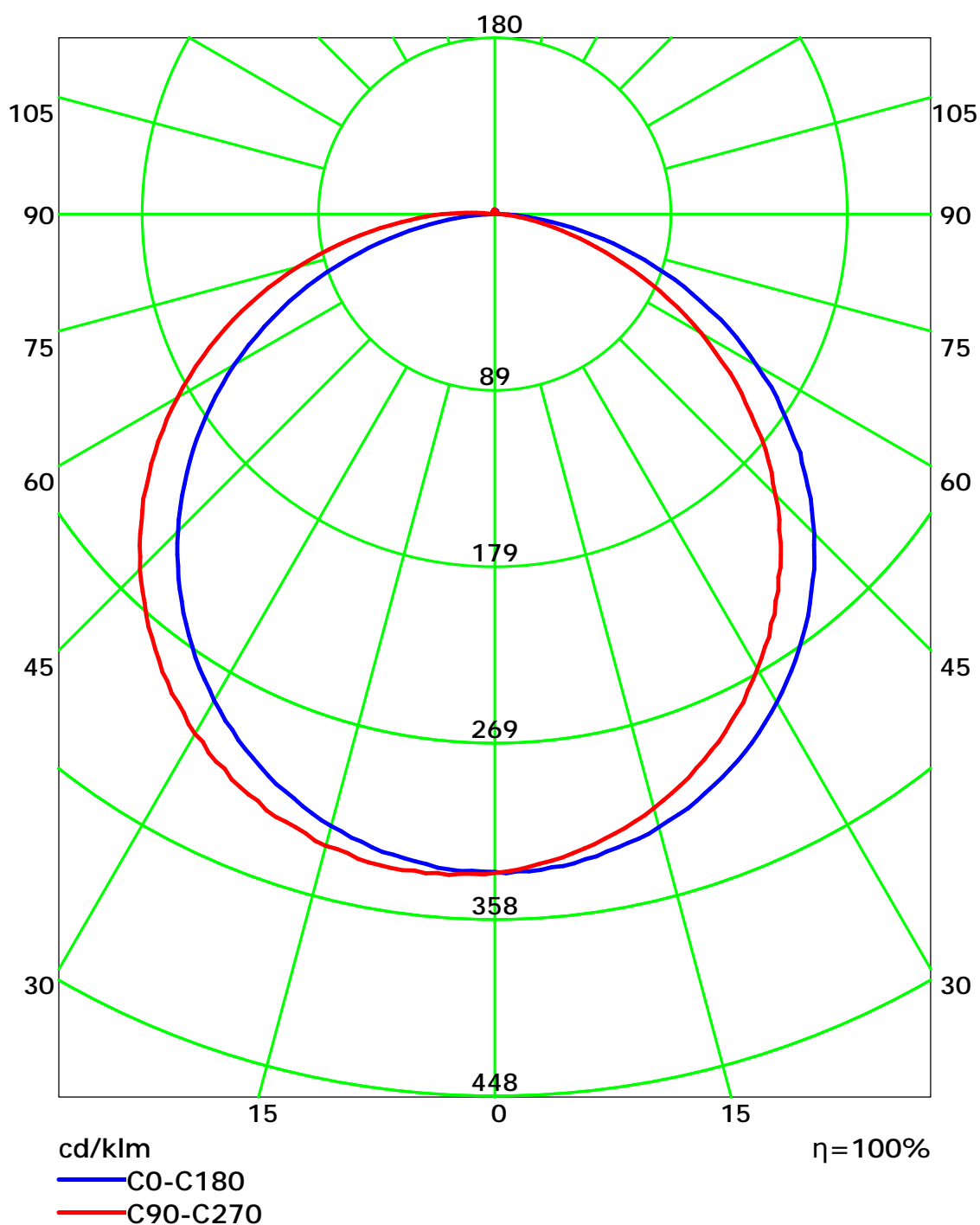
Luminous Intensity Distribution Curve



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:

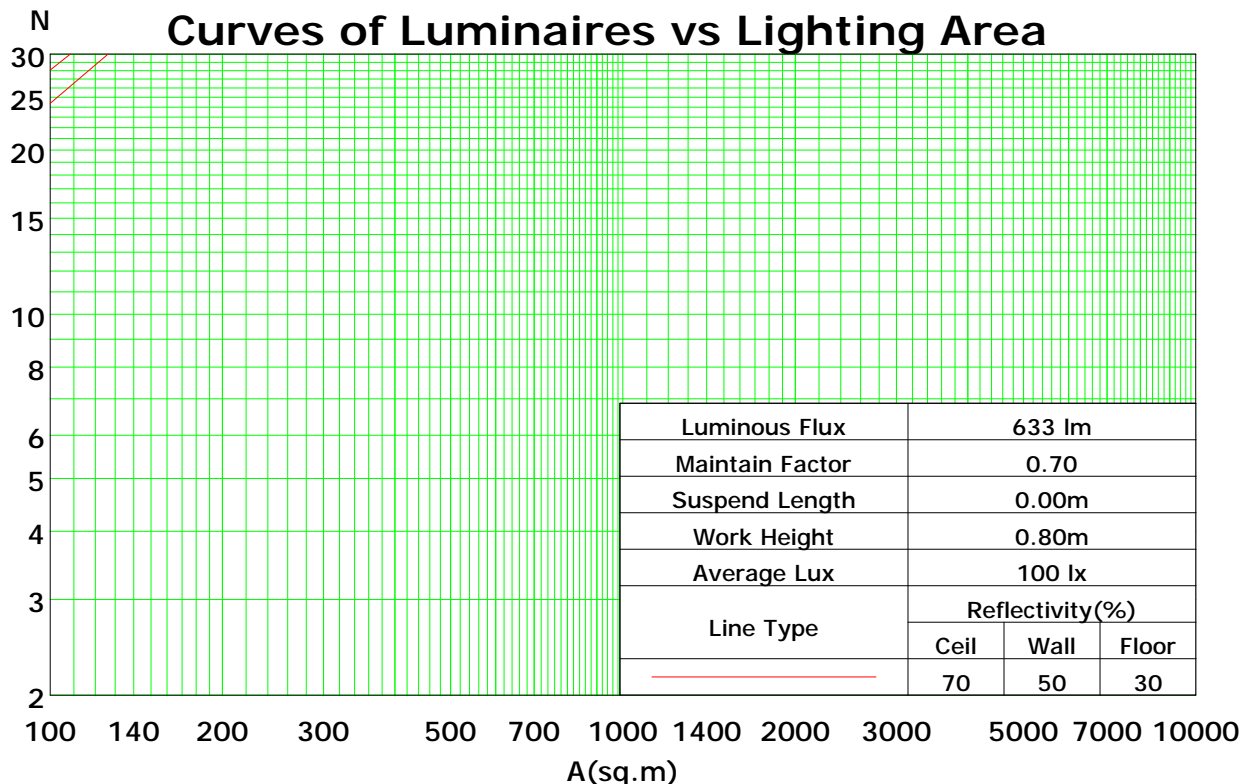
Coefficients Of Utilization - Zonal Cavity Method

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	103	99	95	105	101	97	93	96	93	90	92	90	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	63	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	51	61	55	51	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36
7	64	50	42	35	62	50	41	35	48	40	35	46	40	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	32	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

Spacing Criteria (0-180): 1.27

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

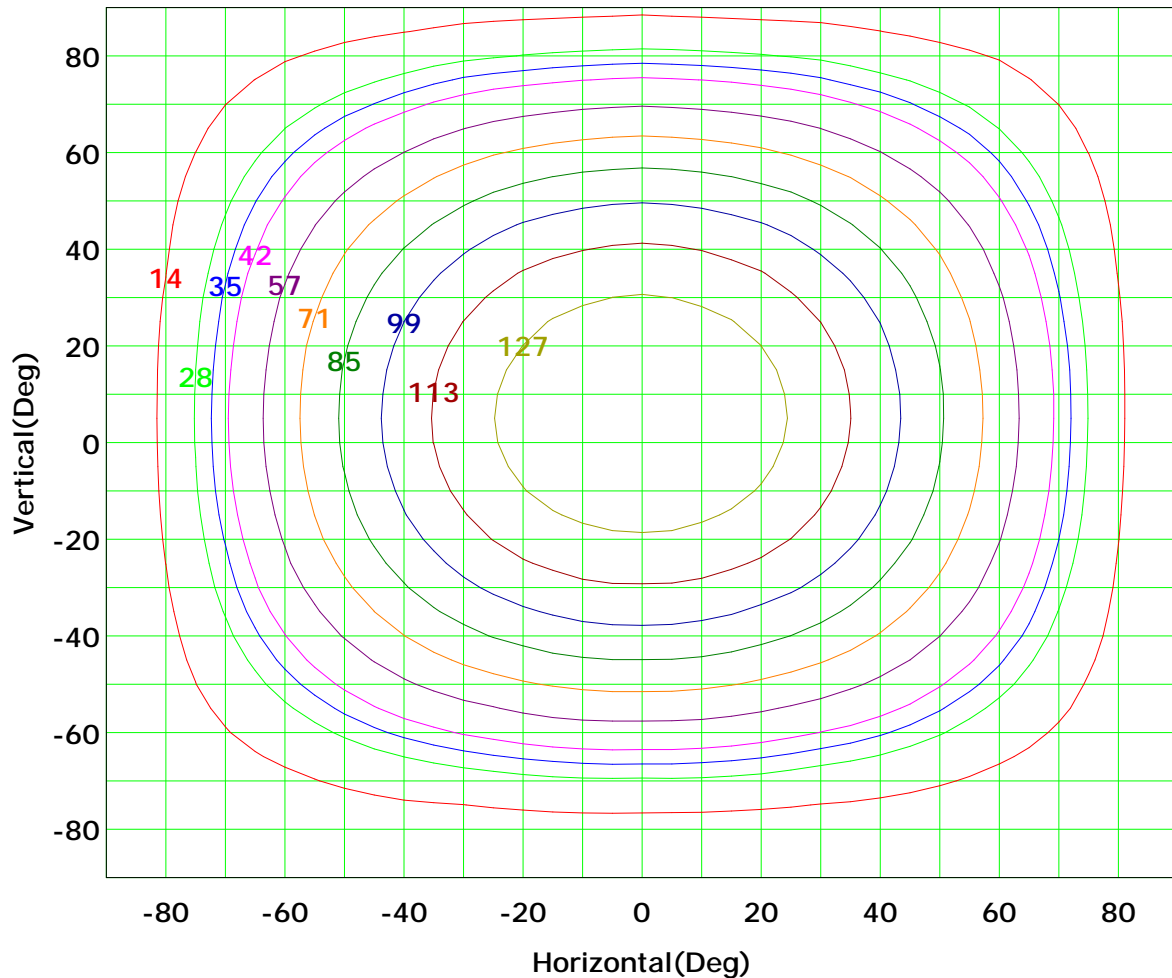
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



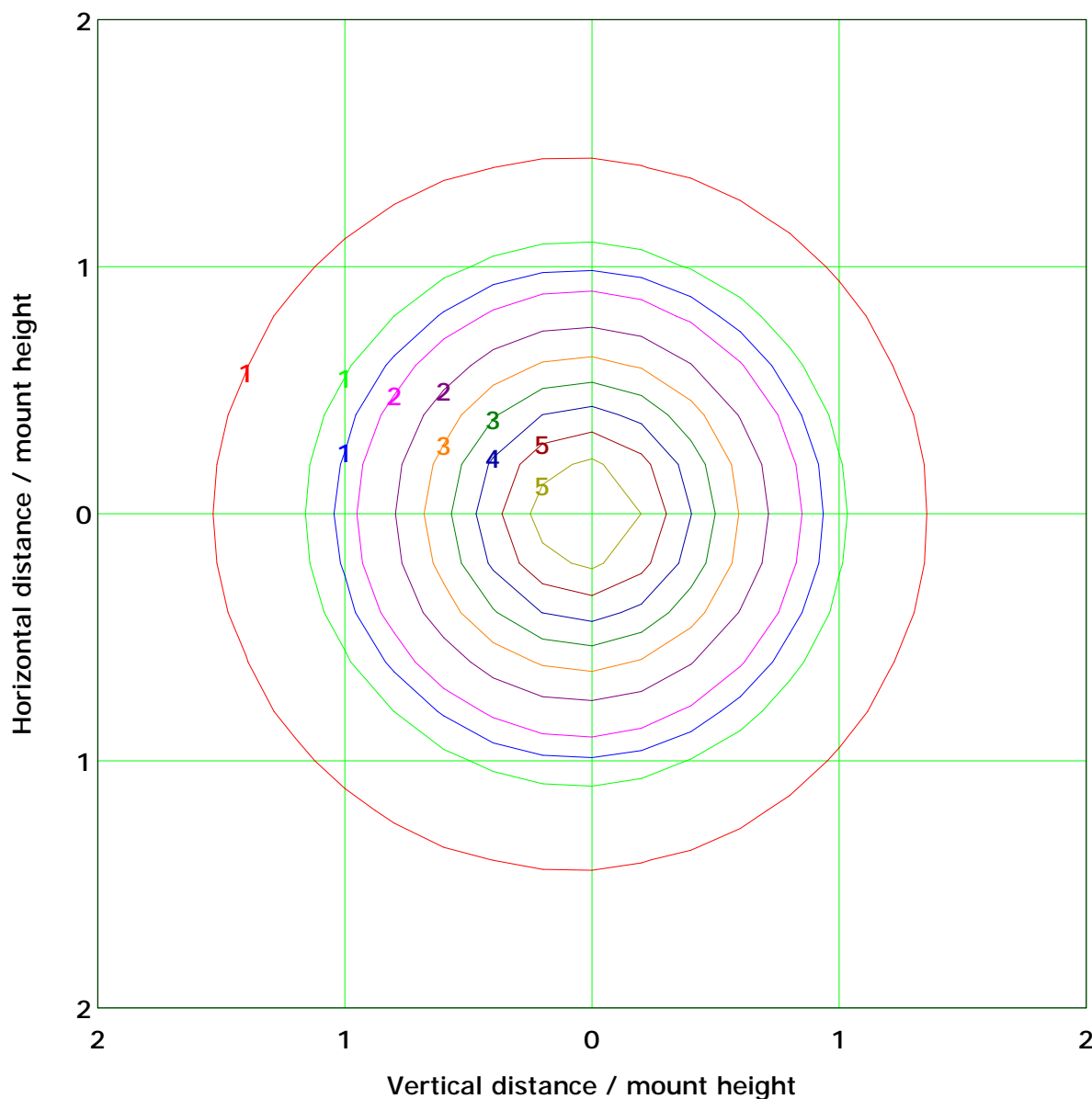
Imax (100%): 141 cd

(10%): 14 cd	(20%): 28 cd
(25%): 35 cd	(30%): 42 cd
(40%): 57 cd	(50%): 71 cd
(60%): 85 cd	(70%): 99 cd
(80%): 113 cd	(90%): 127 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%): 5.6 lx

(10%): 0.6 lx	(20%): 1.1 lx
(25%): 1.4 lx	(30%): 1.7 lx
(40%): 2.3 lx	(50%): 2.8 lx
(60%): 3.4 lx	(70%): 3.9 lx
(80%): 4.5 lx	(90%): 5.1 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

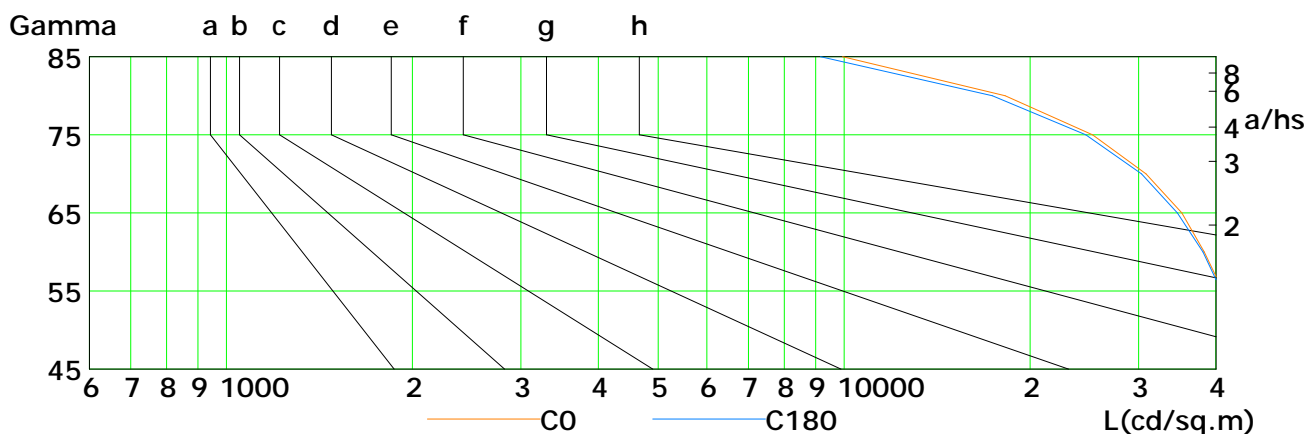
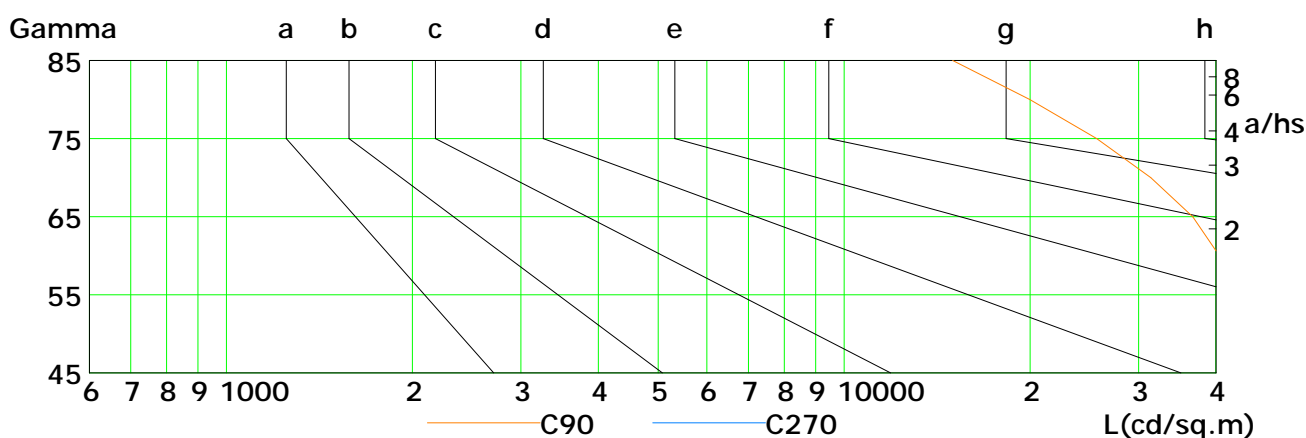
Humidity: 60%

Inspector:

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	45425	43427	41090	38318	35226	30833	25239	18229	9944
C90	47756	46070	43643	40540	36680	31381	25649	19998	14986
C180	45052	43081	40830	38122	34636	30297	24619	17377	9162
C270	60441	60939	61521	62248	63332	64507	66730	71769	90142

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

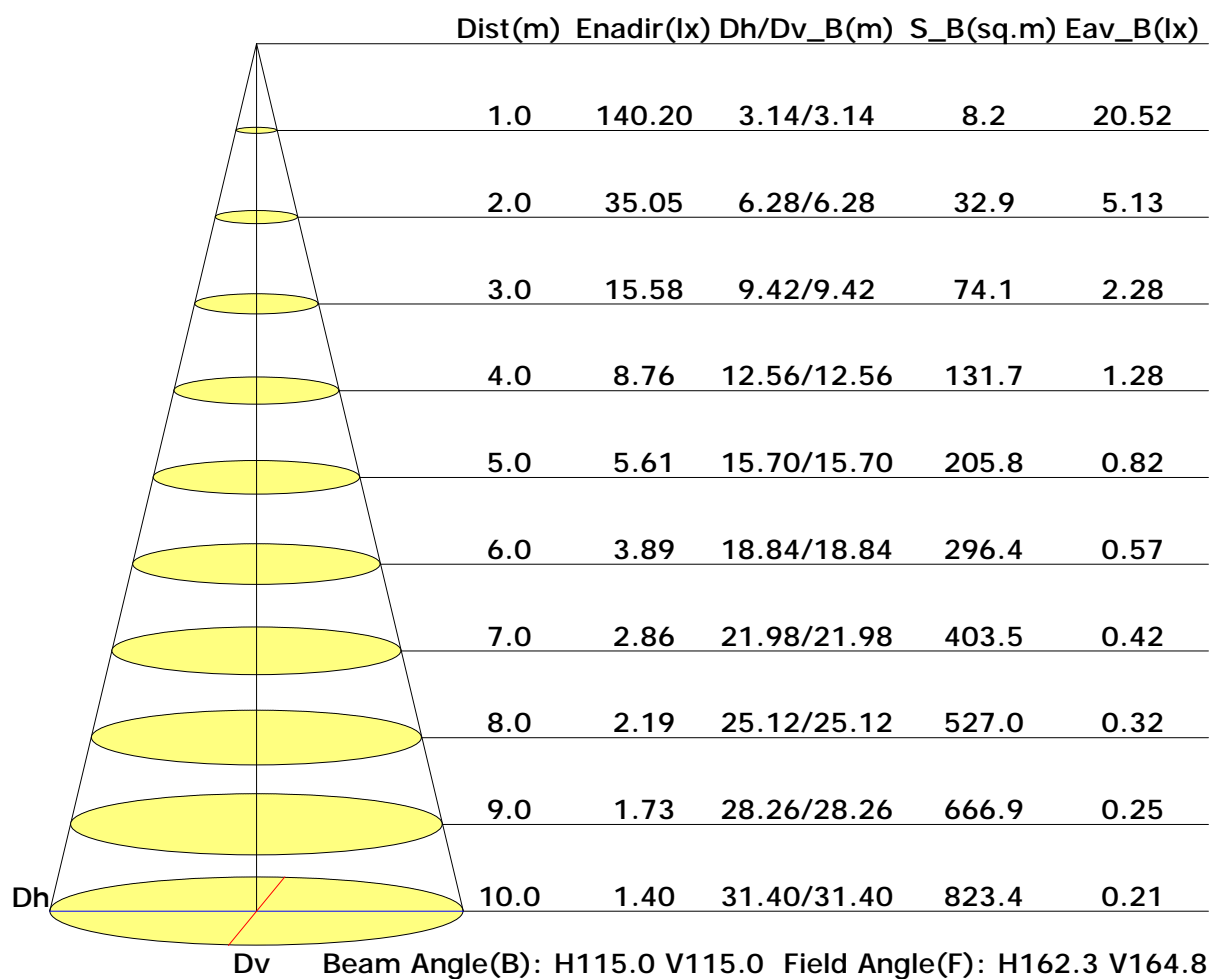
Test Device: GPM-1800B

Distance: 9.028 m

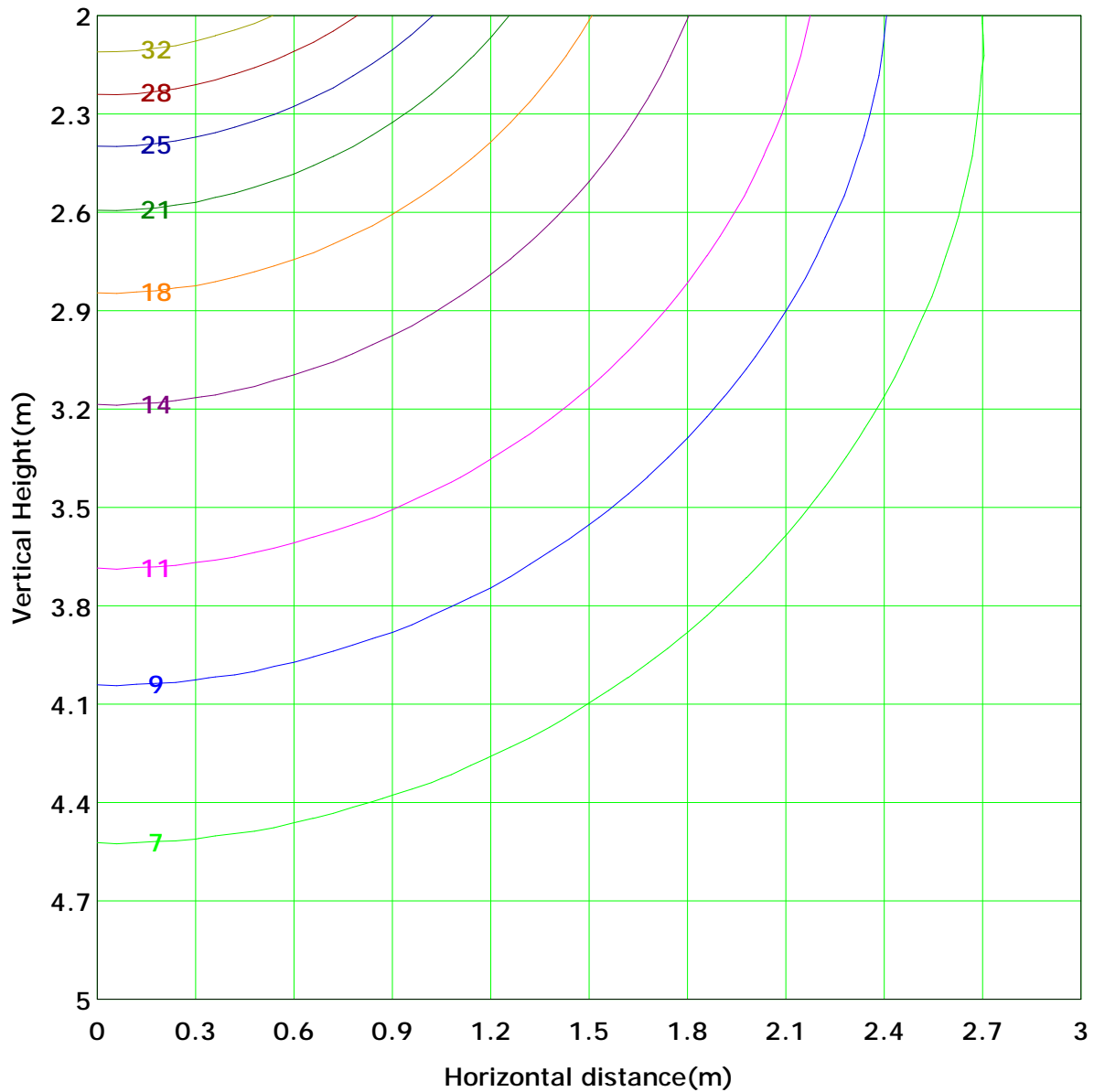
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 35.0 lx
(10%): 3.5 lx	(20%): 7.0 lx	
(25%): 8.8 lx	(30%): 10.5 lx	
(40%): 14.0 lx	(50%): 17.5 lx	
(60%): 21.0 lx	(70%): 24.5 lx	
(80%): 28.0 lx	(90%): 31.5 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	0.1	0.2	0.3	0.4	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	0.3	0.0
	-80	0.0	0.1	0.2	0.4	0.6	0.8	1.1	1.2	1.3	1.3	1.3	1.2	1.1	0.8	0.6	0.4	0.2	0.1	0.0	2.5	2.1
	-70	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.9	2.0	2.0	1.9	1.7	1.6	1.3	0.9	0.6	0.3	0.0	0.0	7.3	7.0
	-60	0.0	0.1	0.4	0.8	1.3	1.7	2.2	2.5	2.7	2.7	2.5	2.2	2.1	1.7	1.2	0.8	0.4	0.0	0.0	14.3	14.0
	-50	0.0	0.2	0.5	1.0	1.5	2.1	2.6	3.0	3.2	3.2	3.0	2.7	2.6	2.1	1.5	0.9	0.5	0.1	0.0	22.6	22.2
	-40	0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.4	3.7	3.7	3.4	3.0	2.9	2.4	1.7	1.2	0.7	0.3	0.1	30.9	30.6
	-30	0.0	0.2	0.6	1.2	1.9	2.6	3.3	3.7	4.0	4.0	3.7	3.3	3.2	2.6	2.1	1.5	0.9	0.4	0.1	38.4	38.1
	-20	0.0	0.2	0.7	1.3	2.0	2.8	3.4	3.9	4.2	4.2	3.9	3.4	3.2	2.6	2.1	1.5	0.9	0.4	0.1	43.9	43.6
	-10	0.0	0.2	0.7	1.3	2.1	2.8	3.5	4.0	4.2	4.2	4.0	3.5	3.2	2.6	2.1	1.5	0.9	0.4	0.1	47.0	46.6
	0	0.0	0.2	0.7	1.3	2.0	2.8	3.4	3.9	4.2	4.2	4.0	3.5	3.2	2.6	2.1	1.5	0.9	0.4	0.1	44.0	43.7
	10	0.0	0.2	0.7	1.3	2.0	2.8	3.4	3.9	4.2	4.2	4.0	3.5	3.2	2.6	2.1	1.5	0.9	0.4	0.1	38.5	38.2
	20	0.0	0.2	0.6	1.2	1.9	2.6	3.2	3.7	3.9	3.9	3.7	3.4	3.0	2.4	1.8	1.2	0.7	0.3	0.1	22.7	22.4
	30	0.0	0.2	0.6	1.1	1.7	2.4	2.9	3.4	3.6	3.6	3.4	3.0	2.6	2.1	1.5	0.9	0.6	0.3	0.1	14.5	14.1
	40	0.0	0.2	0.5	1.0	1.5	2.1	2.6	2.9	3.1	3.1	2.9	2.6	2.1	1.5	1.0	0.6	0.3	0.2	0.1	7.4	7.1
	50	0.0	0.1	0.4	0.8	1.2	1.7	2.1	2.4	2.6	2.6	2.4	2.1	1.7	1.2	0.8	0.4	0.1	0.1	0.0	2.5	2.1
	60	0.0	0.1	0.3	0.5	0.9	1.2	1.5	1.8	1.9	1.9	1.8	1.5	1.2	0.9	0.6	0.3	0.1	0.0	0.0	0.0	0.0
	70	0.0	0.1	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	1.0	0.8	0.6	0.3	0.2	0.1	0.0	0.0	0.0	0.0
	80	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
	90	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	0.0	0.0	0.0	0.0	0.0	0.3	0.0
	Flux(T)	0.3	2.5	7.3	14.3	22.6	30.9	38.4	43.9	47.0	47.0	44.0	38.5	31.1	22.7	14.5	7.4	2.5	0.3	0.0	415	409
	Flux(E)	0.0	2.1	7.0	14.0	22.2	30.6	38.1	43.6	46.6	46.7	43.7	38.2	30.8	22.4	14.1	7.1	2.1	0.0	0.0	409	409

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

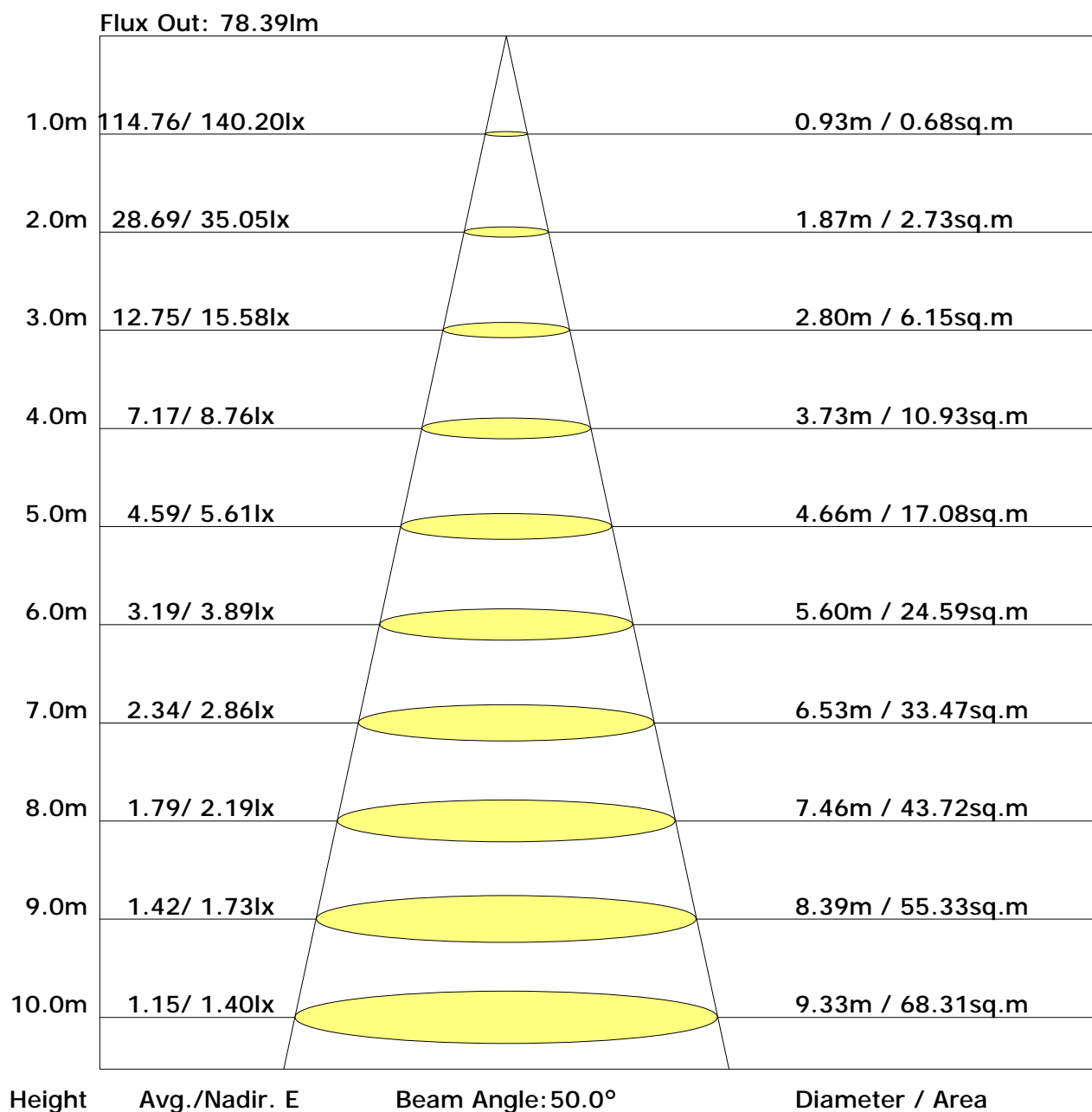
Test Device: GPM-1800B

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	28.6	30.3	29.0	30.6	30.9	26.6	28.3	27.0	28.6	28.9
3H	30.5	32.0	30.9	32.3	32.7	27.9	29.4	28.3	29.7	30.1
4H	31.1	32.5	31.6	32.9	33.3	28.2	29.6	28.6	30.0	30.4
6H	31.6	32.9	32.1	33.3	33.7	28.4	29.7	28.8	30.1	30.5
8H	31.8	33.0	32.2	33.4	33.9	28.4	29.7	28.8	30.1	30.5
12H	31.9	33.1	32.3	33.5	33.9	28.4	29.6	28.9	30.0	30.5
X=4H Y=2H	29.2	30.6	29.6	30.9	31.3	27.3	28.7	27.7	29.1	29.4
3H	31.2	32.4	31.6	32.8	33.2	28.7	29.9	29.1	30.3	30.7
4H	32.0	33.1	32.5	33.5	34.0	29.1	30.2	29.5	30.6	31.1
6H	32.6	33.6	33.1	34.0	34.5	29.3	30.3	29.8	30.7	31.2
8H	32.8	33.7	33.3	34.1	34.6	29.4	30.3	29.8	30.7	31.2
12H	33.0	33.7	33.4	34.2	34.7	29.4	30.2	29.9	30.7	31.2
X=8H Y=4H	32.3	33.2	32.8	33.6	34.1	29.4	30.2	29.8	30.7	31.2
6H	33.0	33.7	33.5	34.2	34.7	29.6	30.4	30.1	30.9	31.4
8H	33.2	33.9	33.8	34.4	34.9	29.7	30.4	30.2	30.9	31.4
12H	33.5	34.0	34.0	34.5	35.1	29.8	30.3	30.3	30.8	31.4
X=12H Y=4H	32.3	33.1	32.8	33.6	34.1	29.4	30.2	29.9	30.7	31.1
6H	33.1	33.7	33.6	34.2	34.7	29.7	30.3	30.2	30.8	31.4
8H	33.4	33.9	33.9	34.4	35.0	29.8	30.4	30.3	30.9	31.4

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	0.55	0.66	0.73	0.78	0.86	0.91	0.95	0.99	1.02
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.99
	0.20		0.41	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95
0.50	0.50	0.20	0.54	0.64	0.70	0.76	0.83	0.87	0.91	0.95	0.98
	0.30		0.46	0.57	0.64	0.69	0.77	0.83	0.86	0.92	0.95
	0.20		0.41	0.51	0.59	0.64	0.73	0.78	0.83	0.88	0.92
0.30	0.50	0.20	0.52	0.62	0.68	0.73	0.80	0.84	0.87	0.91	0.94
	0.30		0.46	0.55	0.62	0.68	0.75	0.80	0.84	0.88	0.91
	0.20		0.41	0.51	0.58	0.63	0.71	0.76	0.80	0.86	0.89
0.00	0.00	0.00	0.38	0.48	0.55	0.60	0.67	0.73	0.76	0.81	0.84
Rating:5W 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	1.02	0.84	0.72	0.63	0.50	0.42	0.36	0.28	0.23	
	0.30		0.85	0.72	0.63	0.56	0.45	0.38	0.33	0.26	0.22	
	0.20		0.73	0.63	0.56	0.50	0.41	0.35	0.31	0.25	0.21	
0.50	0.50	0.20	0.98	0.81	0.69	0.60	0.48	0.43	0.34	0.27	0.22	
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.72	0.62	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.30	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.38	0.33	0.25	0.21	
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.54	0.48	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.32	0.27	0.23	0.18	0.15	
Rating:5W 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	0.19	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	0.21	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	0.10	0.11	0.13	0.14	0.16	0.17
0.30	0.50	0.20	0.16	0.17	0.18	0.19	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	0.18
	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:5W 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	140.4	0.1	0.1	0.03	0.03
1.0-2.0	140.3	0.4	0.5	0.10	0.13
2.0-3.0	140.2	0.7	1.2	0.16	0.29
3.0-4.0	140.1	0.9	2.1	0.22	0.51
4.0-5.0	139.9	1.2	3.3	0.29	0.80
5.0-6.0	139.6	1.5	4.8	0.35	1.15
6.0-7.0	139.3	1.7	6.5	0.41	1.56
7.0-8.0	139.0	2.0	8.5	0.47	2.04
8.0-9.0	138.6	2.2	10.8	0.54	2.57
9.0-10.0	138.2	2.5	13.3	0.60	3.17
10.0-11.0	137.7	2.8	16.0	0.66	3.83
11.0-12.0	137.2	3.0	19.0	0.72	4.54
12.0-13.0	136.7	3.2	22.3	0.77	5.32
13.0-14.0	136.1	3.5	25.8	0.83	6.15
14.0-15.0	135.4	3.7	29.5	0.89	7.04
15.0-16.0	134.8	3.9	33.4	0.94	7.98
16.0-17.0	134.0	4.2	37.6	1.00	8.98
17.0-18.0	133.2	4.4	42.0	1.05	10.02
18.0-19.0	132.4	4.6	46.6	1.10	11.12
19.0-20.0	131.5	4.8	51.4	1.15	12.27
20.0-21.0	130.6	5.0	56.4	1.20	13.47
21.0-22.0	129.7	5.2	61.7	1.24	14.71
22.0-23.0	128.7	5.4	67.1	1.29	16.00
23.0-24.0	127.7	5.6	72.6	1.33	17.34
24.0-25.0	126.6	5.8	78.4	1.37	18.71
25.0-26.0	125.4	5.9	84.3	1.41	20.12
26.0-27.0	124.3	6.1	90.4	1.45	21.57
27.0-28.0	123.1	6.2	96.6	1.49	23.06
28.0-29.0	121.8	6.4	103.0	1.52	24.58
29.0-30.0	120.6	6.5	109.5	1.55	26.14
30.0-31.0	119.3	6.6	116.2	1.58	27.72
31.0-32.0	117.9	6.8	122.9	1.61	29.33
32.0-33.0	116.5	6.9	129.8	1.64	30.97
33.0-34.0	115.0	7.0	136.7	1.66	32.63
34.0-35.0	113.6	7.1	143.8	1.68	34.32
35.0-36.0	112.0	7.1	150.9	1.70	36.02

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	110.5	7.2	158.1	1.72	37.74
37.0-38.0	108.9	7.3	165.4	1.73	39.47
38.0-39.0	107.2	7.3	172.7	1.75	41.22
39.0-40.0	105.6	7.4	180.1	1.76	42.98
40.0-41.0	104.0	7.4	187.5	1.77	44.75
41.0-42.0	102.2	7.4	194.9	1.77	46.52
42.0-43.0	100.4	7.4	202.3	1.78	48.29
43.0-44.0	98.6	7.4	209.8	1.78	50.07
44.0-45.0	96.8	7.4	217.2	1.78	51.84
45.0-46.0	94.9	7.4	224.7	1.77	53.62
46.0-47.0	93.0	7.4	232.1	1.77	55.38
47.0-48.0	91.1	7.4	239.4	1.76	57.14
48.0-49.0	89.1	7.3	246.7	1.75	58.89
49.0-50.0	87.1	7.3	254.0	1.73	60.62
50.0-51.0	85.1	7.2	261.2	1.72	62.34
51.0-52.0	83.0	7.1	268.3	1.70	64.04
52.0-53.0	80.9	7.0	275.4	1.68	65.72
53.0-54.0	78.8	6.9	282.3	1.66	67.37
54.0-55.0	76.7	6.8	289.1	1.63	69.01
55.0-56.0	74.5	6.7	295.9	1.61	70.61
56.0-57.0	72.3	6.6	302.5	1.58	72.19
57.0-58.0	70.1	6.5	309.0	1.55	73.74
58.0-59.0	67.8	6.3	315.3	1.51	75.25
59.0-60.0	65.5	6.2	321.5	1.48	76.73
60.0-61.0	63.3	6.0	327.5	1.44	78.17
61.0-62.0	61.0	5.9	333.4	1.40	79.57
62.0-63.0	58.6	5.7	339.1	1.36	80.94
63.0-64.0	56.3	5.5	344.6	1.32	82.25
64.0-65.0	54.0	5.3	350.0	1.27	83.53
65.0-66.0	51.6	5.1	355.1	1.23	84.76
66.0-67.0	49.1	4.9	360.1	1.18	85.94
67.0-68.0	46.7	4.7	364.8	1.13	87.07
68.0-69.0	44.3	4.5	369.3	1.08	88.15
69.0-70.0	42.0	4.3	373.6	1.03	89.17
70.0-71.0	39.6	4.1	377.7	0.98	90.15
71.0-72.0	37.2	3.9	381.6	0.92	91.07

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	34.8	3.6	385.3	0.87	91.94
73.0-74.0	32.5	3.4	388.7	0.82	92.76
74.0-75.0	30.2	3.2	391.9	0.76	93.52
75.0-76.0	27.9	3.0	394.8	0.71	94.23
76.0-77.0	25.7	2.7	397.6	0.65	94.88
77.0-78.0	23.5	2.5	400.1	0.60	95.48
78.0-79.0	21.4	2.3	402.4	0.55	96.03
79.0-80.0	19.4	2.1	404.5	0.50	96.53
80.0-81.0	17.4	1.9	406.4	0.45	96.98
81.0-82.0	15.5	1.7	408.0	0.40	97.38
82.0-83.0	13.7	1.5	409.5	0.35	97.74
83.0-84.0	11.9	1.3	410.8	0.31	98.05
84.0-85.0	10.3	1.1	411.9	0.27	98.32
85.0-86.0	8.8	1.0	412.9	0.23	98.55
86.0-87.0	7.4	0.8	413.7	0.19	98.74
87.0-88.0	6.2	0.7	414.4	0.16	98.90
88.0-89.0	5.1	0.6	415.0	0.13	99.03
89.0-90.0	4.1	0.5	415.4	0.11	99.14
90.0-91.0	3.3	0.4	415.8	0.09	99.23
91.0-92.0	2.6	0.3	416.1	0.07	99.30
92.0-93.0	1.9	0.2	416.3	0.05	99.35
93.0-94.0	1.4	0.1	416.4	0.04	99.38
94.0-95.0	0.9	0.1	416.5	0.02	99.41
95.0-96.0	0.6	0.1	416.6	0.02	99.42
96.0-97.0	0.3	0.0	416.6	0.01	99.43
97.0-98.0	0.1	0.0	416.6	0.00	99.43
98.0-99.0	0.1	0.0	416.7	0.00	99.44
99.0-100.0	0.2	0.0	416.7	0.01	99.44
100.0-101.0	0.2	0.0	416.7	0.01	99.45
101.0-102.0	0.2	0.0	416.7	0.01	99.45
102.0-103.0	0.2	0.0	416.7	0.01	99.46
103.0-104.0	0.2	0.0	416.8	0.01	99.47
104.0-105.0	0.2	0.0	416.8	0.00	99.47
105.0-106.0	0.2	0.0	416.8	0.01	99.48
106.0-107.0	0.2	0.0	416.8	0.01	99.48
107.0-108.0	0.2	0.0	416.9	0.01	99.49

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	0.3	0.0	416.9	0.01	99.49
109.0-110.0	0.3	0.0	416.9	0.01	99.50
110.0-111.0	0.3	0.0	417.0	0.01	99.51
111.0-112.0	0.3	0.0	417.0	0.01	99.52
112.0-113.0	0.3	0.0	417.0	0.01	99.53
113.0-114.0	0.3	0.0	417.0	0.01	99.53
114.0-115.0	0.3	0.0	417.1	0.01	99.54
115.0-116.0	0.3	0.0	417.1	0.01	99.55
116.0-117.0	0.3	0.0	417.1	0.01	99.56
117.0-118.0	0.3	0.0	417.2	0.01	99.56
118.0-119.0	0.4	0.0	417.2	0.01	99.57
119.0-120.0	0.4	0.0	417.2	0.01	99.58
120.0-121.0	0.4	0.0	417.3	0.01	99.59
121.0-122.0	0.4	0.0	417.3	0.01	99.60
122.0-123.0	0.4	0.0	417.4	0.01	99.61
123.0-124.0	0.4	0.0	417.4	0.01	99.62
124.0-125.0	0.4	0.0	417.4	0.01	99.63
125.0-126.0	0.4	0.0	417.5	0.01	99.64
126.0-127.0	0.4	0.0	417.5	0.01	99.64
127.0-128.0	0.4	0.0	417.6	0.01	99.65
128.0-129.0	0.4	0.0	417.6	0.01	99.66
129.0-130.0	0.5	0.0	417.6	0.01	99.67
130.0-131.0	0.5	0.0	417.7	0.01	99.68
131.0-132.0	0.5	0.0	417.7	0.01	99.69
132.0-133.0	0.5	0.0	417.8	0.01	99.70
133.0-134.0	0.5	0.0	417.8	0.01	99.71
134.0-135.0	0.5	0.0	417.8	0.01	99.72
135.0-136.0	0.5	0.0	417.9	0.01	99.73
136.0-137.0	0.6	0.0	417.9	0.01	99.74
137.0-138.0	0.5	0.0	418.0	0.01	99.75
138.0-139.0	0.5	0.0	418.0	0.01	99.76
139.0-140.0	0.5	0.0	418.0	0.01	99.77
140.0-141.0	0.6	0.0	418.1	0.01	99.78
141.0-142.0	0.6	0.0	418.1	0.01	99.79
142.0-143.0	0.6	0.0	418.2	0.01	99.80
143.0-144.0	0.6	0.0	418.2	0.01	99.81

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	0.6	0.0	418.2	0.01	99.82
145.0-146.0	0.6	0.0	418.3	0.01	99.83
146.0-147.0	0.6	0.0	418.3	0.01	99.83
147.0-148.0	0.6	0.0	418.3	0.01	99.84
148.0-149.0	0.6	0.0	418.4	0.01	99.85
149.0-150.0	0.6	0.0	418.4	0.01	99.86
150.0-151.0	0.6	0.0	418.5	0.01	99.87
151.0-152.0	0.6	0.0	418.5	0.01	99.88
152.0-153.0	0.6	0.0	418.5	0.01	99.88
153.0-154.0	0.7	0.0	418.5	0.01	99.89
154.0-155.0	0.7	0.0	418.6	0.01	99.90
155.0-156.0	0.6	0.0	418.6	0.01	99.91
156.0-157.0	0.7	0.0	418.6	0.01	99.91
157.0-158.0	0.7	0.0	418.7	0.01	99.92
158.0-159.0	0.7	0.0	418.7	0.01	99.93
159.0-160.0	0.7	0.0	418.7	0.01	99.93
160.0-161.0	0.8	0.0	418.8	0.01	99.94
161.0-162.0	0.8	0.0	418.8	0.01	99.95
162.0-163.0	0.7	0.0	418.8	0.01	99.95
163.0-164.0	0.7	0.0	418.8	0.01	99.96
164.0-165.0	0.8	0.0	418.8	0.01	99.96
165.0-166.0	0.7	0.0	418.9	0.00	99.97
166.0-167.0	0.7	0.0	418.9	0.00	99.97
167.0-168.0	0.7	0.0	418.9	0.00	99.98
168.0-169.0	0.7	0.0	418.9	0.00	99.98
169.0-170.0	0.8	0.0	418.9	0.00	99.98
170.0-171.0	0.8	0.0	418.9	0.00	99.99
171.0-172.0	0.7	0.0	419.0	0.00	99.99
172.0-173.0	0.7	0.0	419.0	0.00	99.99
173.0-174.0	0.8	0.0	419.0	0.00	99.99
174.0-175.0	0.8	0.0	419.0	0.00	100.00
175.0-176.0	0.8	0.0	419.0	0.00	100.00
176.0-177.0	0.8	0.0	419.0	0.00	100.00
177.0-178.0	0.7	0.0	419.0	0.00	100.00
178.0-179.0	0.8	0.0	419.0	0.00	100.00
179.0-180.0	0.8	0.0	419.0	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: