

Report No.:

Test Time: 2019/11/30 17:06

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: RBMC9020243.018-140

Luminaire Description: RBMC9020243.018-140

Luminous Length (mm): 500

Luminous Width (mm): 5

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.201 A

Power: 4.82 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 353.5 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(10%,50%): H162.1,H114.8

Vertical Diffuse Angle(10%,50%): V162.1,V114.6

Luminaire Efficacy Rating (LER): 73

Max. Intensity: 120.35 cd

Total Rated Lamp Lumens: 353.5 lm

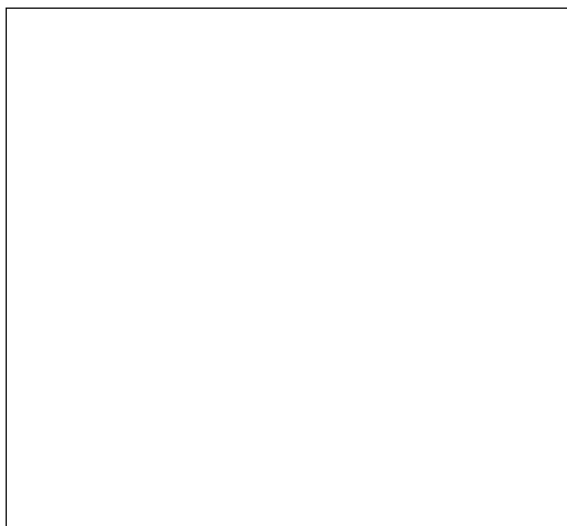
Efficiency: 100%

Upward Ratio: 1%

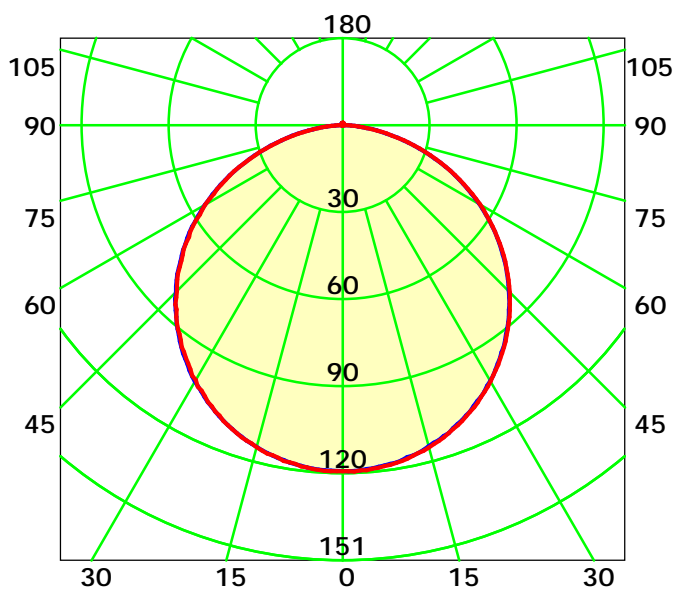
Central Intensity: 119.98 cd

Pos of Max. Intensity: H330 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 114.7° 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

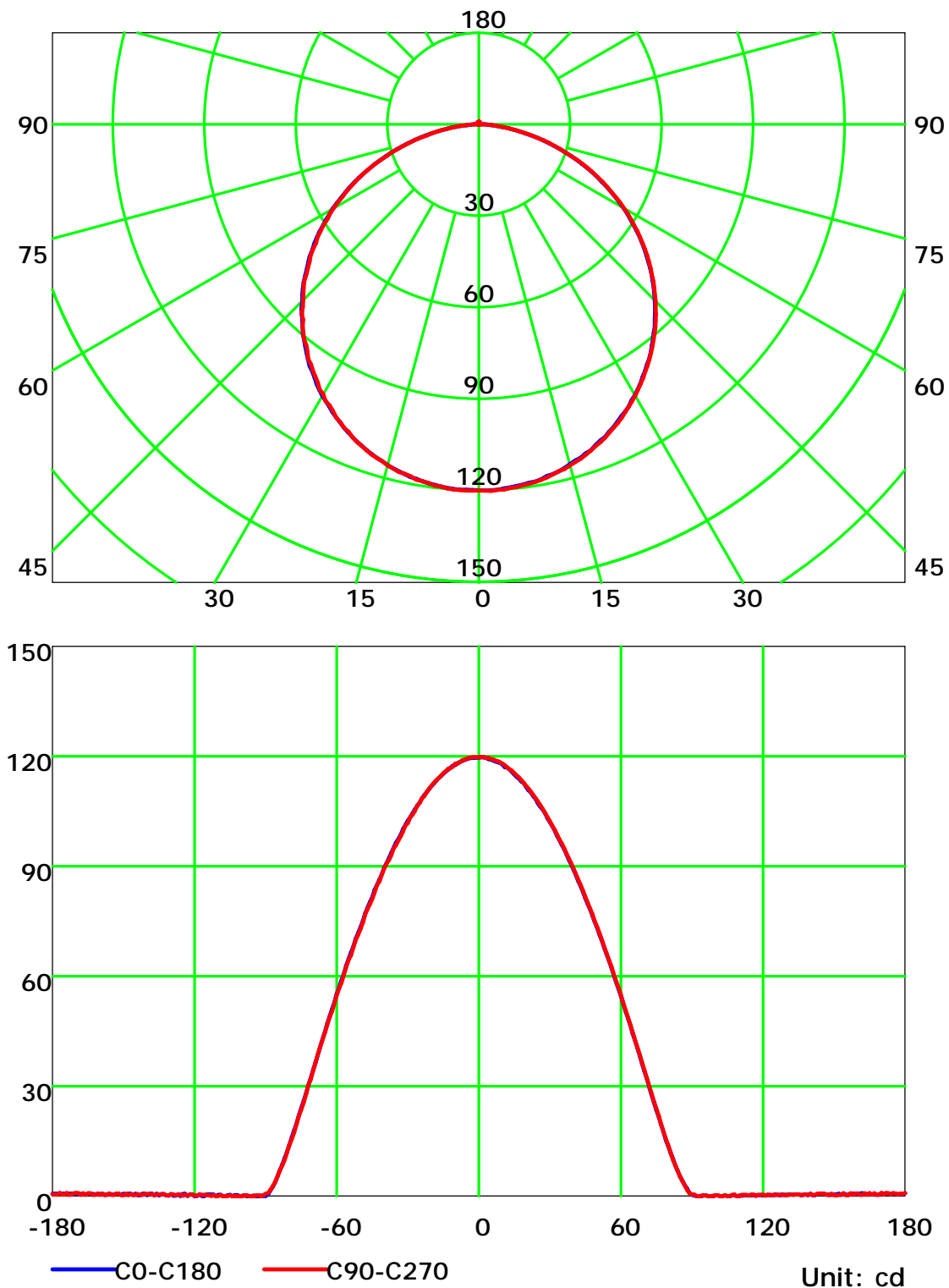
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

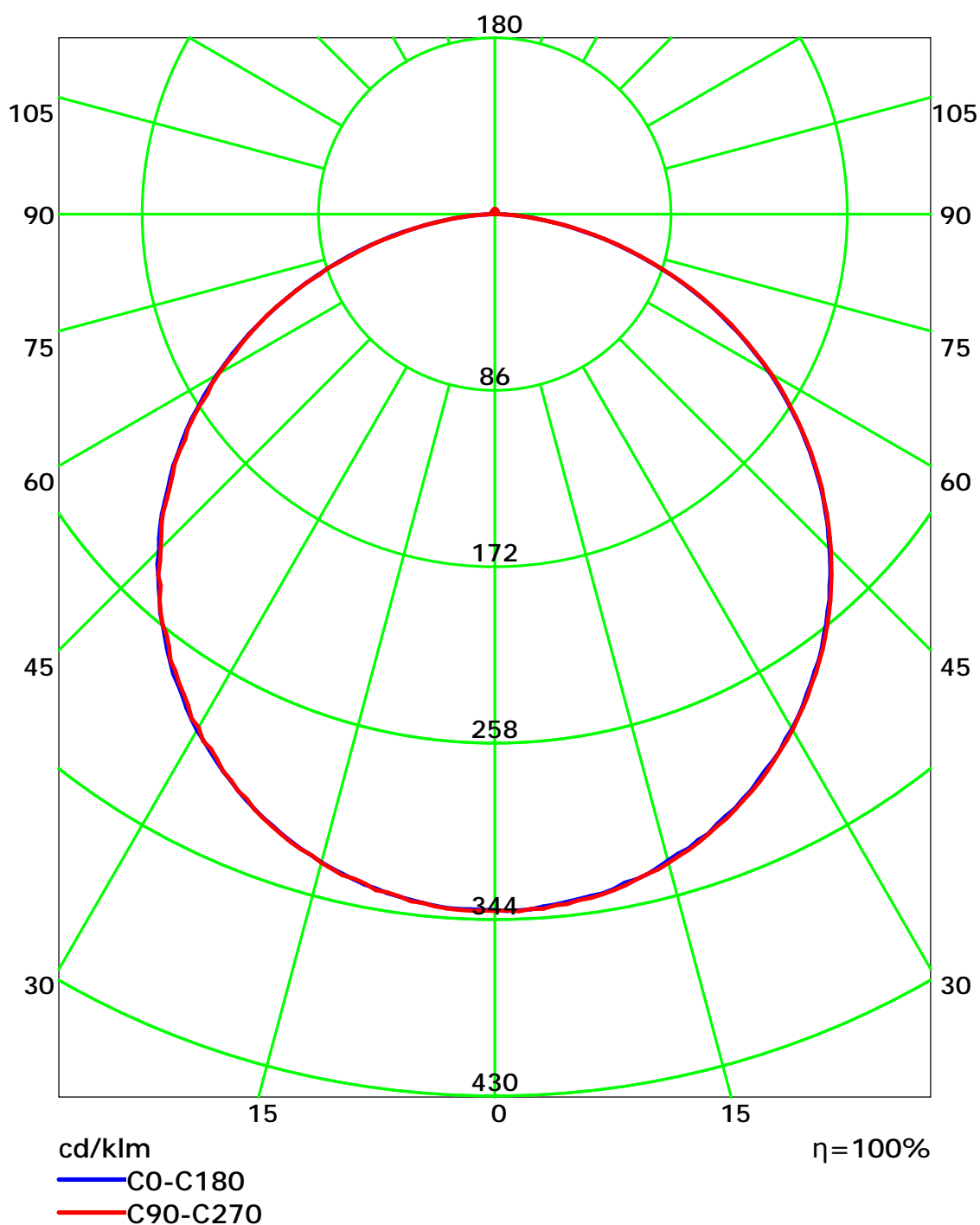
Luminous Intensity Distribution Curve



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:

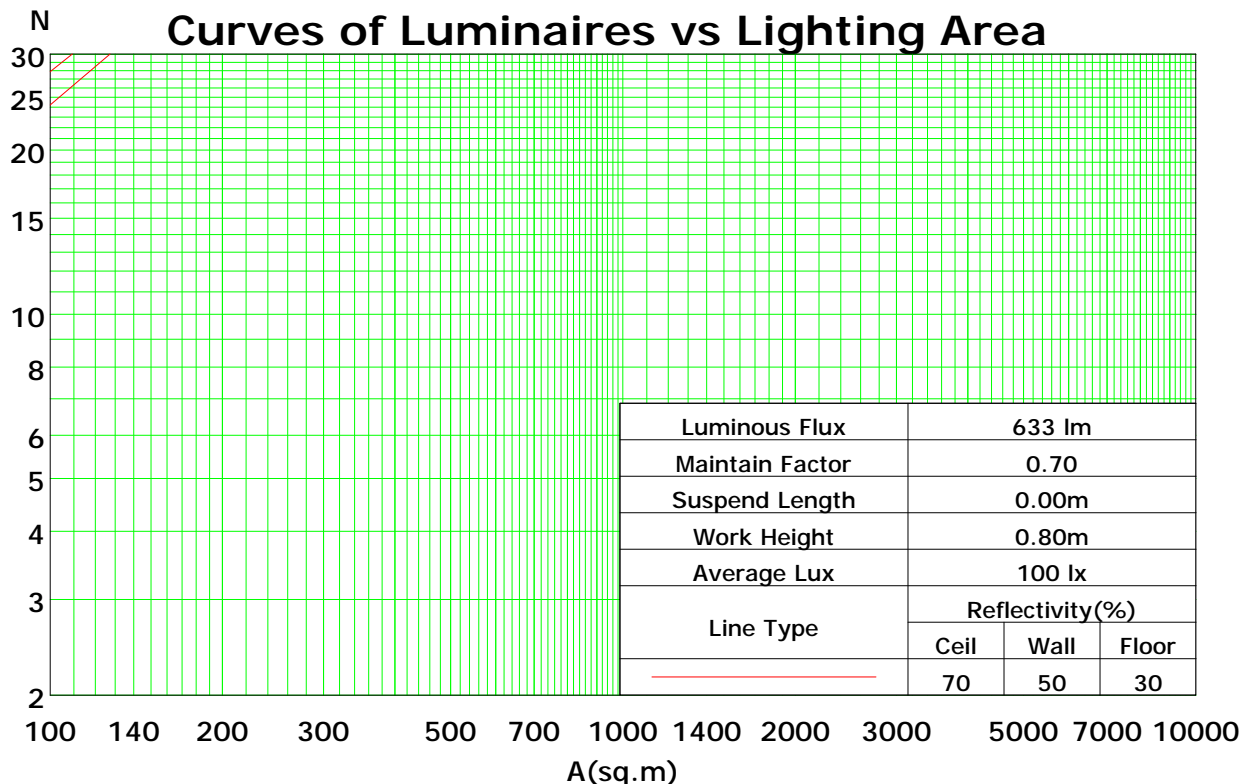
Coefficients Of Utilization - Zonal Cavity Method

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	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	75	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	45	42
6	70	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

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

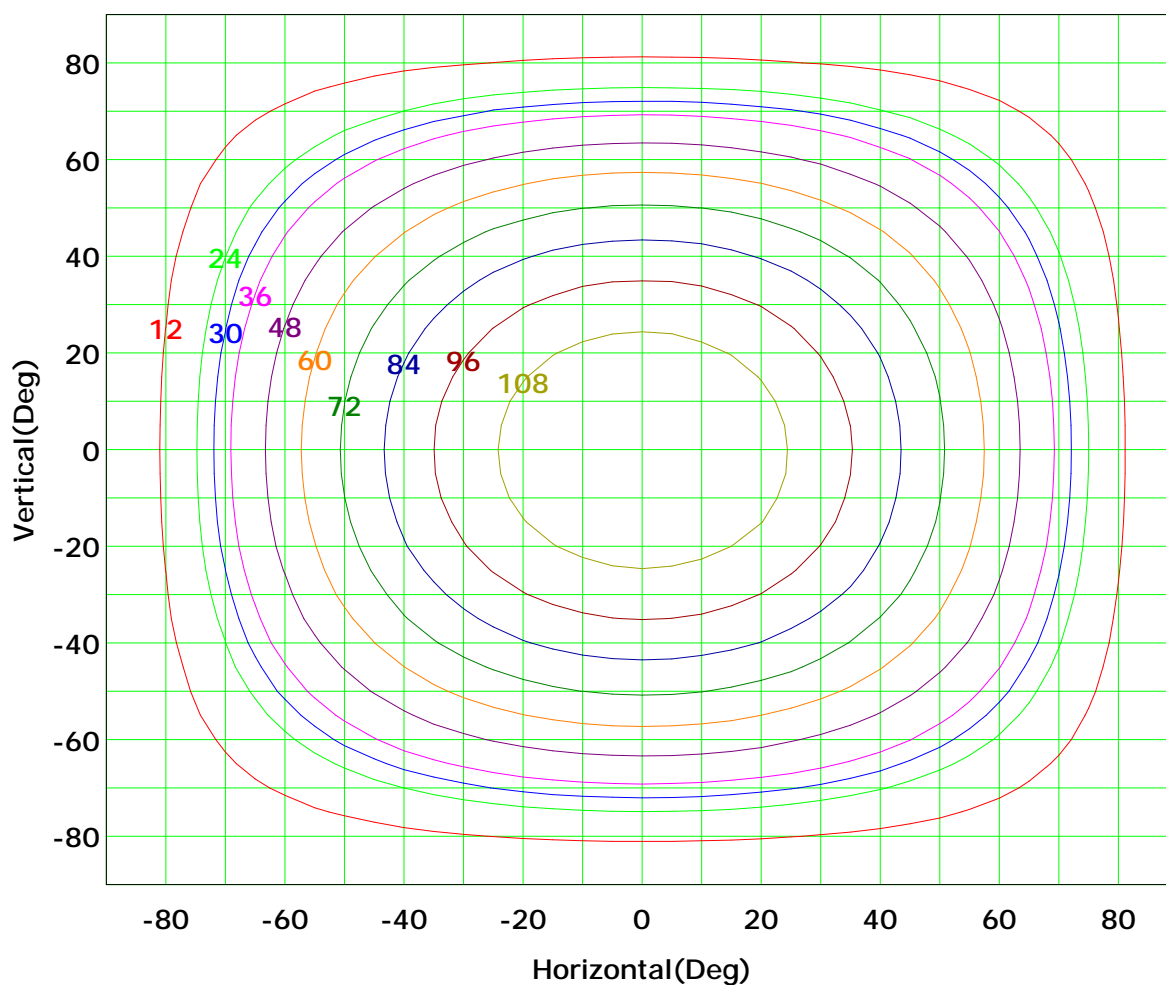
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



I_{max} (100%): 120 cd

(10%):	12 cd	(20%):	24 cd
(25%):	30 cd	(30%):	36 cd
(40%):	48 cd	(50%):	60 cd
(60%):	72 cd	(70%):	84 cd
(80%):	96 cd	(90%):	108 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

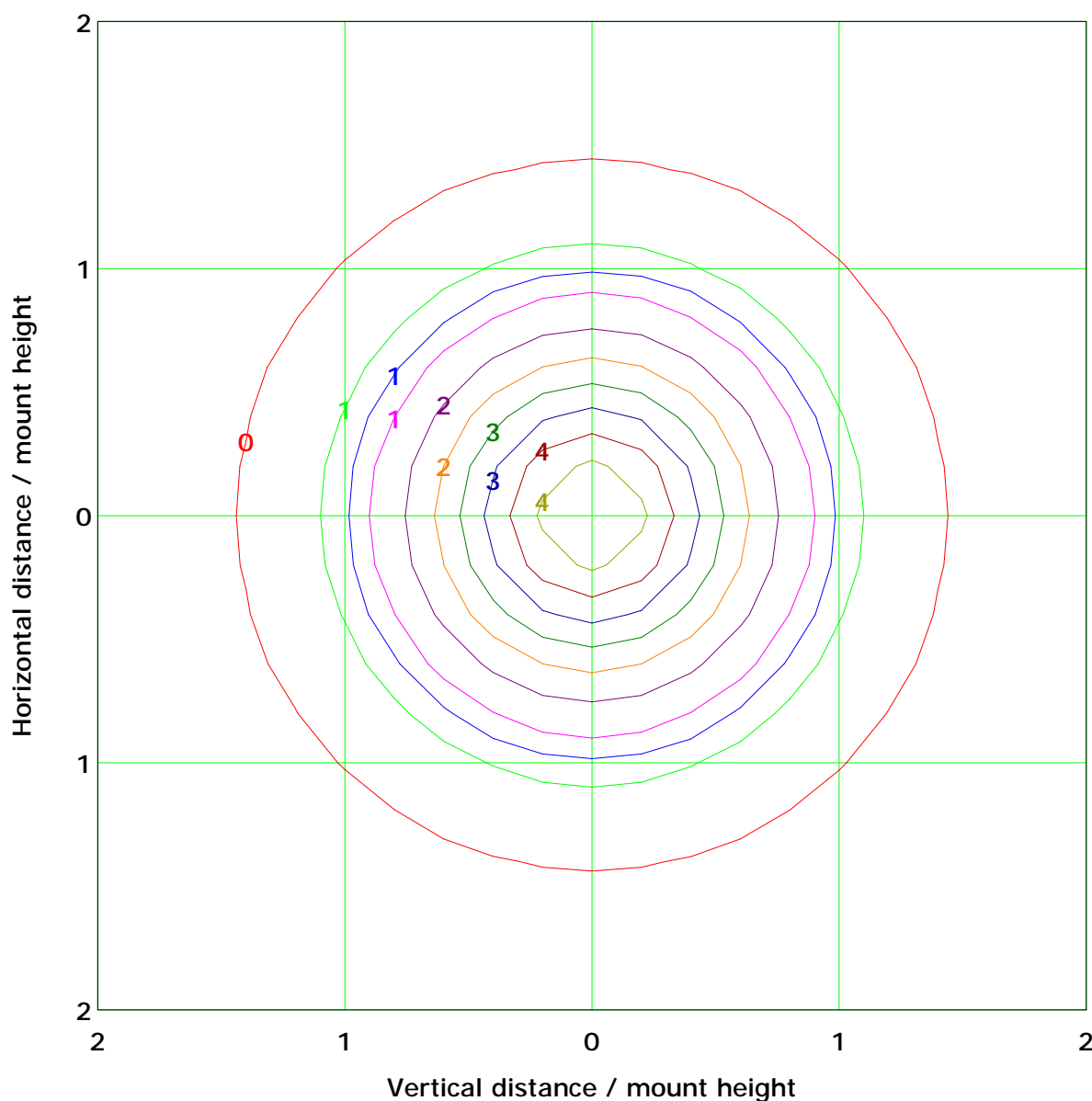
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 4.8 lx

(10%): 0.5 lx	(20%): 1.0 lx
(25%): 1.2 lx	(30%): 1.4 lx
(40%): 1.9 lx	(50%): 2.4 lx
(60%): 2.9 lx	(70%): 3.4 lx
(80%): 3.9 lx	(90%): 4.3 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

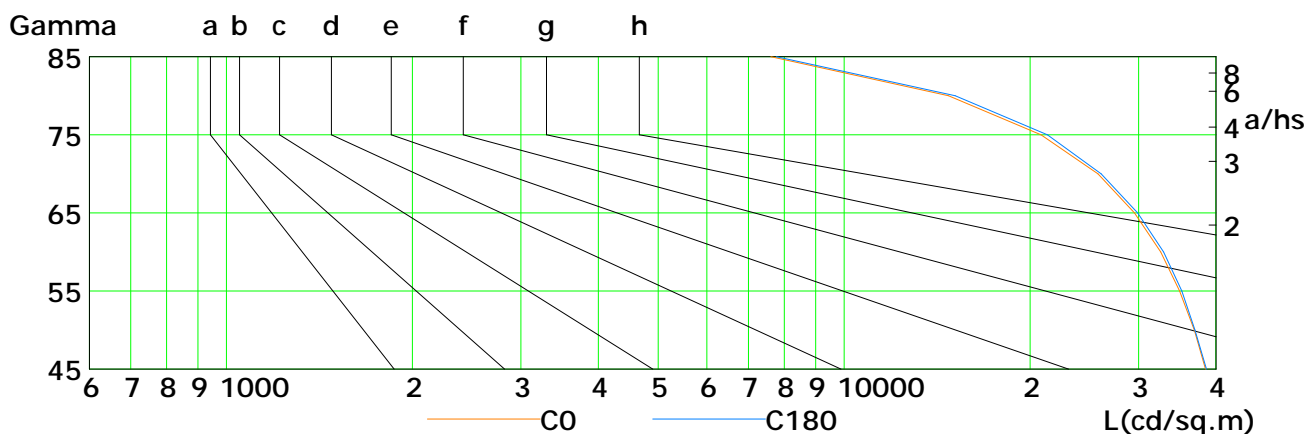
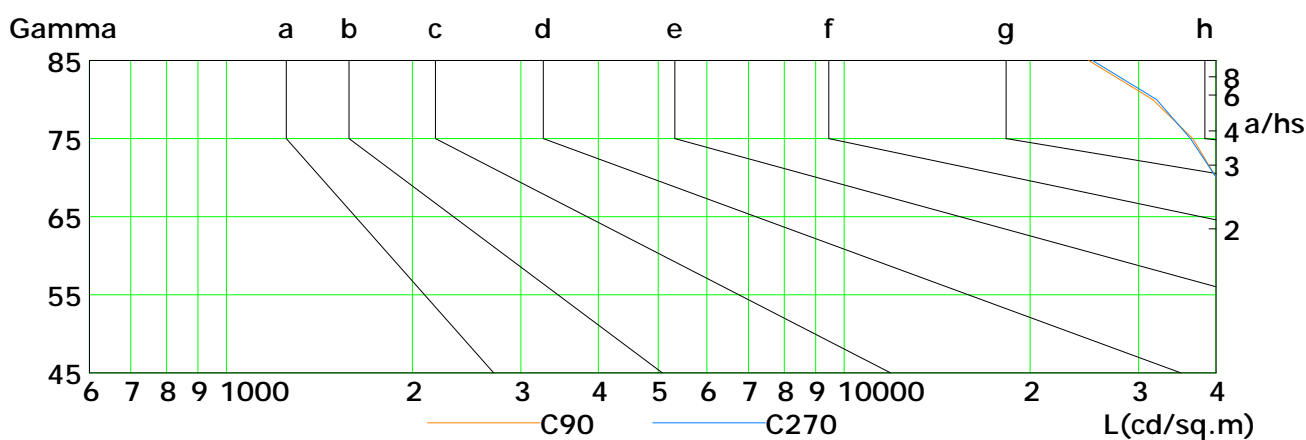
Humidity: 60%

Inspector:

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	38495	36910	34944	32573	29516	25776	20849	14754	7612
C90	46305	45747	44888	43896	42353	40058	36679	31614	24902
C180	38632	37005	35232	32917	29867	26085	21345	15143	7766
C270	46017	45425	44992	43864	42372	40070	36387	32070	25261

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

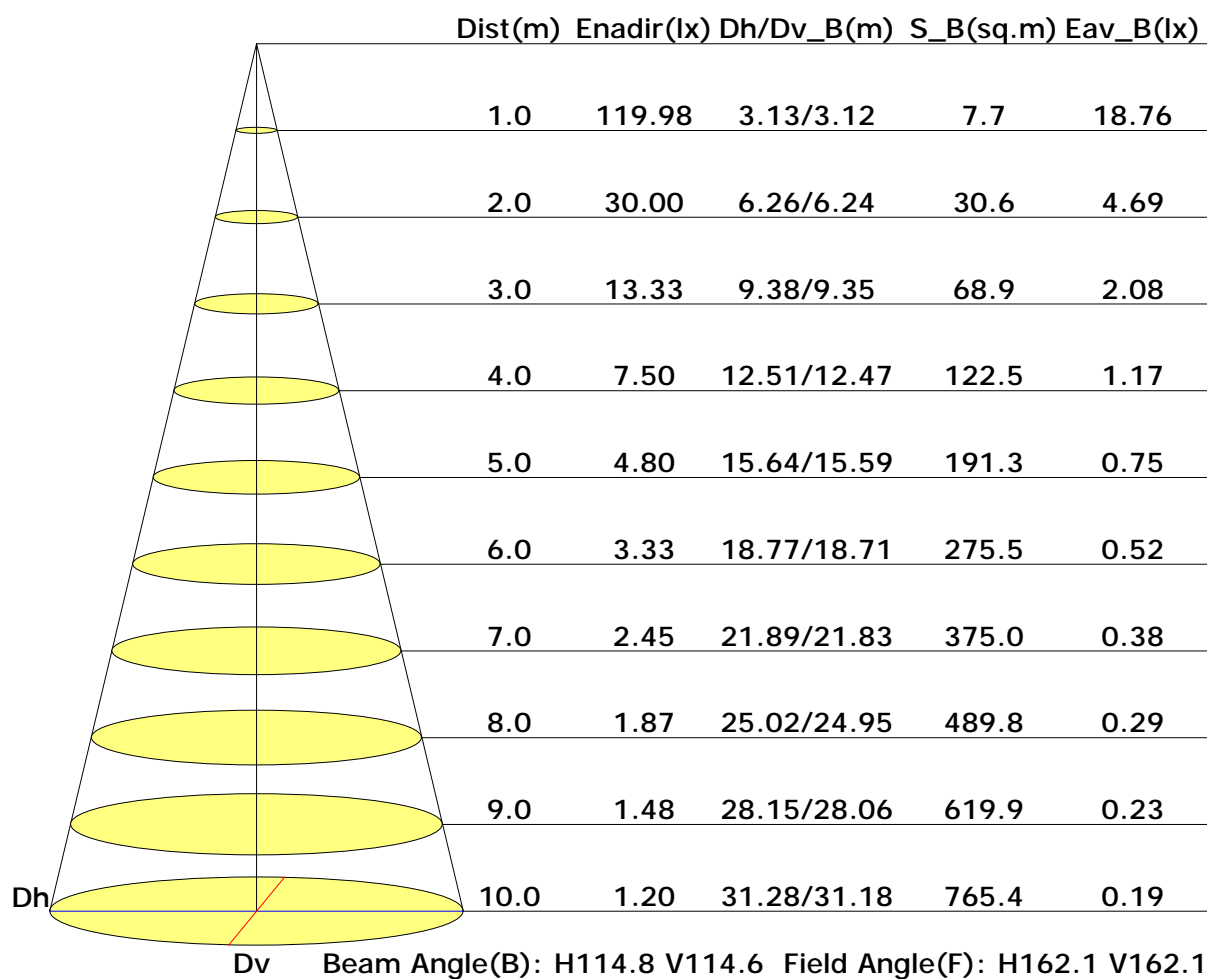
Test Device: GPM-1800B

Distance: 9.028 m

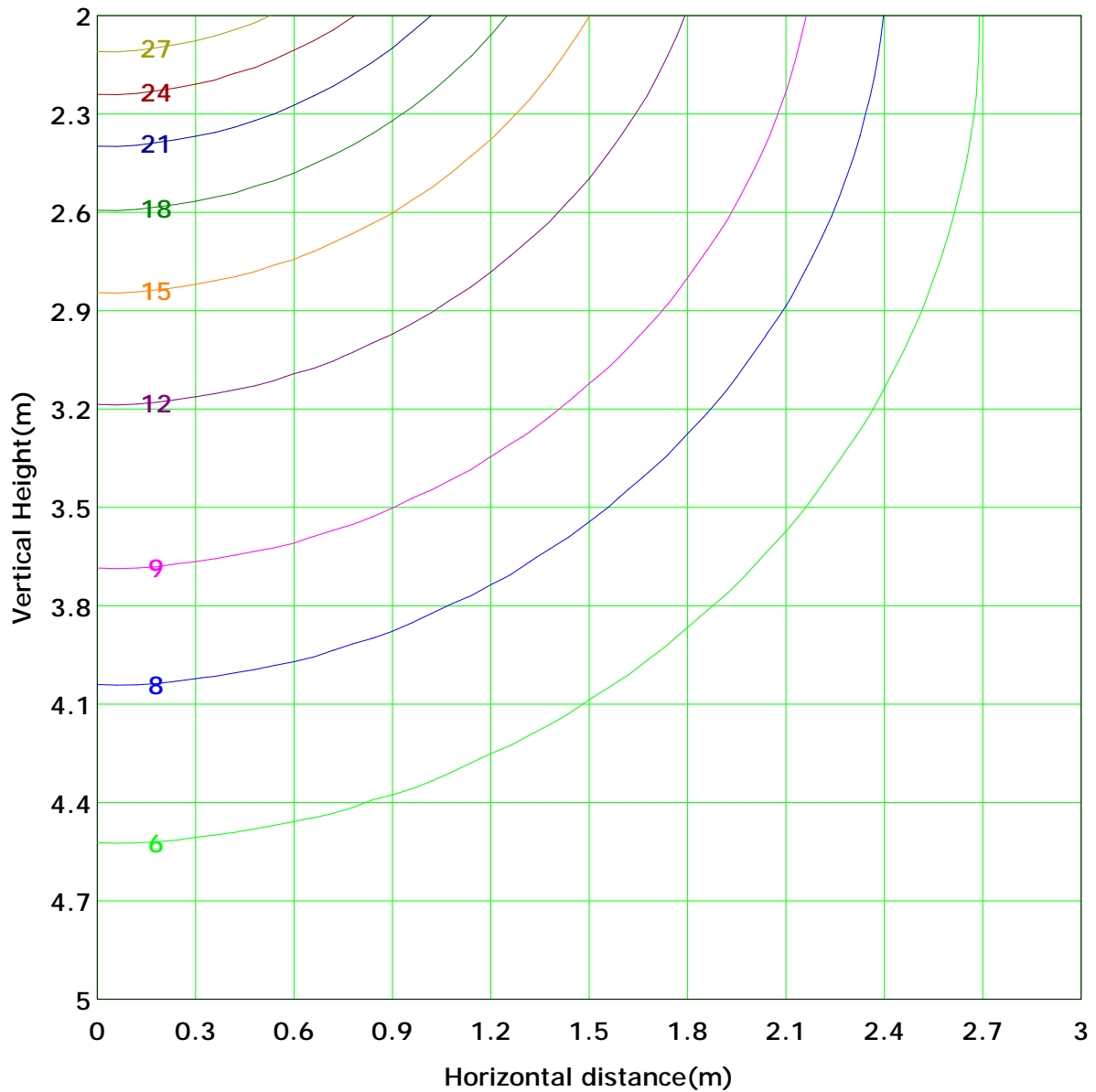
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 30.0 lx
(10%): 3.0 lx	(20%): 6.0 lx	(30%): 9.0 lx
(25%): 7.5 lx	(40%): 12.0 lx	(50%): 15.0 lx
(60%): 18.0 lx	(70%): 21.0 lx	(80%): 24.0 lx
(90%): 27.0 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

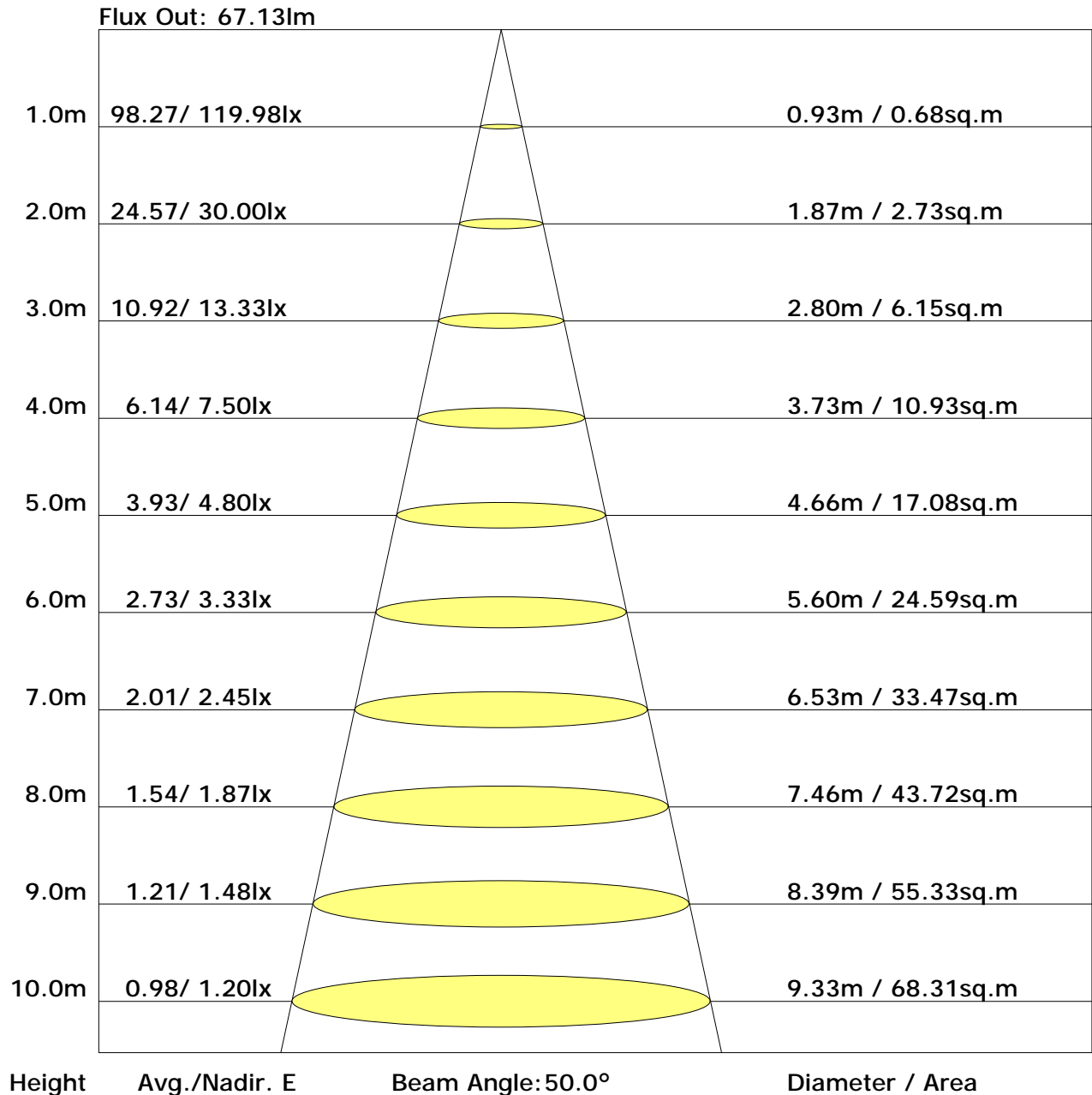
		Vertical plane																		Flux(T)		Flux(E)	
		Horizontal plane																					
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90			
Vertical plane	-90	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.0	1.6	0.1	
	-80	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	6.2	5.6	
	-70	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.3	1.3	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	11.7	11.5	
	-60	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.4	0.2	0.1	0.0	17.0	16.9	
	-50	0.0	0.1	0.4	0.8	1.2	1.6	2.0	2.3	2.5	2.5	2.3	2.0	1.6	1.3	0.9	0.6	0.3	0.1	0.0	21.7	21.6	
	-40	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.4	2.0	1.6	1.2	0.7	0.4	0.1	0.0			
	-30	0.0	0.2	0.5	1.0	1.6	2.2	2.7	3.0	3.2	3.2	3.0	2.7	2.4	2.1	1.7	1.0	0.5	0.1	0.0	25.7	25.6	
	-20	0.0	0.2	0.6	1.1	1.7	2.3	2.9	3.3	3.5	3.5	3.3	3.0	2.8	2.3	1.7	1.1	0.6	0.2	0.0	30.9	30.9	
	-10	0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.4	3.6	3.6	3.4	3.1	2.9	2.4	1.7	1.1	0.6	0.2	0.0	32.0	32.0	
	0	0.0	0.2	0.6	1.1	1.8	2.4	3.0	3.4	3.6	3.6	3.4	3.1	2.9	2.4	1.7	1.1	0.6	0.2	0.0	32.0	32.0	
Vertical plane	10	0.0	0.2	0.6	1.1	1.7	2.3	2.7	3.0	3.2	3.0	2.7	2.4	2.1	1.7	1.0	0.5	0.1	0.0	0.0	25.7	25.7	
	20	0.0	0.2	0.6	1.1	1.8	2.4	2.7	3.0	3.2	3.0	2.7	2.4	2.1	1.7	1.0	0.5	0.1	0.0	0.0	28.8	28.8	
	30	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.4	2.1	1.7	1.0	0.5	0.1	0.0	0.0	31.0	30.9	
	40	0.0	0.2	0.5	0.9	1.4	1.9	2.4	2.7	2.9	2.9	2.7	2.4	2.1	1.7	1.0	0.5	0.1	0.0	0.0	28.8	28.8	
	50	0.0	0.1	0.4	0.8	1.2	1.6	2.0	2.3	2.5	2.5	2.3	2.0	1.6	1.2	0.7	0.4	0.1	0.0	0.0	21.8	21.7	
	60	0.0	0.1	0.3	0.6	0.9	1.3	1.6	1.8	1.9	1.9	1.8	1.6	1.3	0.9	0.6	0.3	0.1	0.0	0.0	17.0	16.9	
	70	0.0	0.1	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.3	1.3	1.1	0.9	0.6	0.4	0.2	0.1	0.0	0.0	11.7	11.5	
	80	0.0	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	6.2	5.6	
	90	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	1.6	0.1	
	Flux(T)	0.2	2.1	6.2	12.2	19.2	26.3	32.6	37.3	39.8	39.8	37.2	32.5	26.2	19.0	12.1	6.1	2.0	0.2	0.2	351		
Flux(E)	0.0	1.8	5.9	11.9	18.9	26.0	32.3	37.1	39.5	39.5	37.0	32.2	25.9	18.8	11.8	5.8	1.7	0.0	0.0		346		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)		

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	28.1	29.7	28.5	30.1	30.4
3H	30.5	31.9	30.8	32.3	32.7	29.7	31.2	30.1	31.6	31.9
4H	31.1	32.5	31.5	32.9	33.3	30.3	31.7	30.7	32.0	32.4
6H	31.6	32.9	32.0	33.3	33.7	30.6	31.9	31.0	32.3	32.7
8H	31.7	33.0	32.2	33.4	33.8	30.7	31.9	31.1	32.3	32.7
12H	31.8	33.0	32.2	33.4	33.8	30.7	31.9	31.2	32.3	32.7
X=4H Y=2H	29.2	30.6	29.6	30.9	31.3	28.8	30.1	29.2	30.5	30.9
3H	31.2	32.4	31.6	32.8	33.2	30.6	31.8	31.0	32.2	32.6
4H	32.0	33.0	32.4	33.4	33.9	31.2	32.3	31.7	32.7	33.2
6H	32.5	33.5	33.0	33.9	34.4	31.7	32.6	32.1	33.0	33.5
8H	32.7	33.6	33.2	34.0	34.5	31.8	32.6	32.2	33.1	33.6
12H	32.8	33.6	33.3	34.1	34.6	31.8	32.6	32.3	33.1	33.6
X=8H Y=4H	32.2	33.0	32.6	33.5	34.0	31.5	32.4	32.0	32.9	33.3
6H	32.8	33.5	33.3	34.0	34.5	32.0	32.8	32.5	33.3	33.8
8H	33.0	33.7	33.6	34.2	34.7	32.2	32.8	32.7	33.4	33.9
12H	33.2	33.8	33.7	34.3	34.9	32.3	32.9	32.8	33.4	33.9
X=12H Y=4H	32.2	33.0	32.7	33.4	33.9	31.6	32.3	32.0	32.8	33.3
6H	32.8	33.5	33.4	34.0	34.5	32.1	32.7	32.6	33.2	33.8
8H	33.1	33.7	33.6	34.2	34.7	32.3	32.8	32.8	33.3	33.9

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 = 1.25								
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	0.87	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	0.65	0.70	0.78	0.83	0.87	0.92	0.96
	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	0.53	0.62	0.69	0.74	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	0.59	0.64	0.72	0.77	0.81	0.87	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: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	1.01	0.83	0.71	0.62	0.49	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	0.42	0.33	0.26	0.21
	0.30		0.82	0.70	0.60	0.53	0.43	0.36	0.31	0.24	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	0.65	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	0.22	0.19
0.00	0.00	0.00	0.61	0.51	0.44	0.39	0.31	0.26	0.22	0.18	0.14
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	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22
	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	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	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: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	120.2	0.1	0.1	0.03	0.03
1.0-2.0	120.1	0.3	0.5	0.10	0.13
2.0-3.0	120.1	0.6	1.0	0.16	0.29
3.0-4.0	120.0	0.8	1.8	0.23	0.52
4.0-5.0	119.8	1.0	2.9	0.29	0.81
5.0-6.0	119.6	1.3	4.1	0.36	1.17
6.0-7.0	119.4	1.5	5.6	0.42	1.59
7.0-8.0	119.1	1.7	7.3	0.48	2.07
8.0-9.0	118.7	1.9	9.2	0.54	2.61
9.0-10.0	118.4	2.1	11.4	0.61	3.22
10.0-11.0	118.0	2.4	13.7	0.67	3.89
11.0-12.0	117.5	2.6	16.3	0.73	4.61
12.0-13.0	117.1	2.8	19.1	0.79	5.40
13.0-14.0	116.6	3.0	22.1	0.84	6.24
14.0-15.0	116.0	3.2	25.3	0.90	7.14
15.0-16.0	115.4	3.4	28.6	0.96	8.10
16.0-17.0	114.8	3.6	32.2	1.01	9.11
17.0-18.0	114.1	3.8	36.0	1.06	10.17
18.0-19.0	113.4	3.9	39.9	1.12	11.29
19.0-20.0	112.6	4.1	44.0	1.17	12.46
20.0-21.0	111.8	4.3	48.3	1.21	13.67
21.0-22.0	111.0	4.5	52.8	1.26	14.93
22.0-23.0	110.2	4.6	57.4	1.31	16.24
23.0-24.0	109.3	4.8	62.2	1.35	17.59
24.0-25.0	108.3	4.9	67.1	1.39	18.99
25.0-26.0	107.4	5.1	72.2	1.43	20.42
26.0-27.0	106.4	5.2	77.4	1.47	21.89
27.0-28.0	105.3	5.3	82.7	1.51	23.40
28.0-29.0	104.3	5.5	88.2	1.54	24.94
29.0-30.0	103.1	5.6	93.8	1.58	26.52
30.0-31.0	102.0	5.7	99.4	1.61	28.13
31.0-32.0	100.8	5.8	105.2	1.63	29.76
32.0-33.0	99.6	5.9	111.1	1.66	31.42
33.0-34.0	98.3	6.0	117.0	1.68	33.10
34.0-35.0	97.1	6.0	123.1	1.71	34.81
35.0-36.0	95.8	6.1	129.2	1.73	36.54

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	94.5	6.2	135.3	1.74	38.28
37.0-38.0	93.1	6.2	141.5	1.76	40.04
38.0-39.0	91.7	6.3	147.8	1.77	41.81
39.0-40.0	90.3	6.3	154.1	1.78	43.59
40.0-41.0	88.9	6.3	160.4	1.79	45.38
41.0-42.0	87.3	6.3	166.8	1.79	47.17
42.0-43.0	85.8	6.4	173.1	1.80	48.97
43.0-44.0	84.3	6.4	179.5	1.80	50.77
44.0-45.0	82.7	6.4	185.9	1.80	52.57
45.0-46.0	81.1	6.3	192.2	1.79	54.37
46.0-47.0	79.5	6.3	198.5	1.79	56.15
47.0-48.0	77.9	6.3	204.8	1.78	57.93
48.0-49.0	76.1	6.3	211.1	1.77	59.70
49.0-50.0	74.4	6.2	217.3	1.75	61.46
50.0-51.0	72.7	6.1	223.4	1.74	63.20
51.0-52.0	71.0	6.1	229.5	1.72	64.92
52.0-53.0	69.2	6.0	235.5	1.70	66.62
53.0-54.0	67.3	5.9	241.5	1.68	68.30
54.0-55.0	65.5	5.9	247.3	1.65	69.95
55.0-56.0	63.7	5.8	253.1	1.63	71.58
56.0-57.0	61.8	5.6	258.7	1.60	73.18
57.0-58.0	59.8	5.5	264.3	1.57	74.75
58.0-59.0	58.0	5.4	269.7	1.53	76.28
59.0-60.0	56.1	5.3	275.0	1.50	77.78
60.0-61.0	54.1	5.2	280.1	1.46	79.24
61.0-62.0	52.0	5.0	285.2	1.42	80.66
62.0-63.0	50.0	4.9	290.0	1.38	82.03
63.0-64.0	48.0	4.7	294.7	1.33	83.36
64.0-65.0	45.9	4.5	299.3	1.29	84.65
65.0-66.0	43.9	4.4	303.6	1.24	85.89
66.0-67.0	41.9	4.2	307.9	1.19	87.08
67.0-68.0	39.7	4.0	311.9	1.14	88.22
68.0-69.0	37.6	3.8	315.7	1.09	89.30
69.0-70.0	35.5	3.6	319.4	1.03	90.33
70.0-71.0	33.4	3.5	322.8	0.98	91.31
71.0-72.0	31.3	3.3	326.1	0.92	92.23

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	29.1	3.0	329.1	0.86	93.09
73.0-74.0	27.0	2.8	332.0	0.80	93.90
74.0-75.0	24.9	2.6	334.6	0.75	94.64
75.0-76.0	22.9	2.4	337.0	0.69	95.33
76.0-77.0	20.9	2.2	339.2	0.63	95.96
77.0-78.0	18.8	2.0	341.3	0.57	96.53
78.0-79.0	16.8	1.8	343.1	0.51	97.04
79.0-80.0	14.9	1.6	344.7	0.45	97.49
80.0-81.0	13.0	1.4	346.1	0.40	97.89
81.0-82.0	11.2	1.2	347.3	0.34	98.24
82.0-83.0	9.5	1.0	348.3	0.29	98.53
83.0-84.0	7.8	0.9	349.2	0.24	98.77
84.0-85.0	6.3	0.7	349.9	0.20	98.96
85.0-86.0	4.9	0.5	350.4	0.15	99.12
86.0-87.0	3.6	0.4	350.8	0.11	99.23
87.0-88.0	2.5	0.3	351.1	0.08	99.31
88.0-89.0	1.5	0.2	351.2	0.05	99.35
89.0-90.0	0.8	0.1	351.3	0.03	99.38
90.0-91.0	0.5	0.1	351.4	0.01	99.39
91.0-92.0	0.3	0.0	351.4	0.01	99.40
92.0-93.0	0.1	0.0	351.4	0.00	99.41
93.0-94.0	0.1	0.0	351.4	0.00	99.41
94.0-95.0	0.1	0.0	351.5	0.00	99.41
95.0-96.0	0.1	0.0	351.5	0.00	99.42
96.0-97.0	0.1	0.0	351.5	0.00	99.42
97.0-98.0	0.1	0.0	351.5	0.00	99.42
98.0-99.0	0.1	0.0	351.5	0.00	99.43
99.0-100.0	0.2	0.0	351.5	0.00	99.43
100.0-101.0	0.1	0.0	351.5	0.00	99.43
101.0-102.0	0.1	0.0	351.5	0.00	99.44
102.0-103.0	0.1	0.0	351.6	0.00	99.44
103.0-104.0	0.2	0.0	351.6	0.00	99.45
104.0-105.0	0.2	0.0	351.6	0.01	99.45
105.0-106.0	0.2	0.0	351.6	0.00	99.46
106.0-107.0	0.2	0.0	351.6	0.01	99.46
107.0-108.0	0.2	0.0	351.7	0.01	99.47

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	0.2	0.0	351.7	0.01	99.48
109.0-110.0	0.2	0.0	351.7	0.01	99.48
110.0-111.0	0.2	0.0	351.7	0.01	99.49
111.0-112.0	0.3	0.0	351.8	0.01	99.50
112.0-113.0	0.3	0.0	351.8	0.01	99.50
113.0-114.0	0.3	0.0	351.8	0.01	99.51
114.0-115.0	0.3	0.0	351.8	0.01	99.52
115.0-116.0	0.3	0.0	351.9	0.01	99.53
116.0-117.0	0.3	0.0	351.9	0.01	99.53
117.0-118.0	0.3	0.0	351.9	0.01	99.54
118.0-119.0	0.3	0.0	352.0	0.01	99.55
119.0-120.0	0.3	0.0	352.0	0.01	99.56
120.0-121.0	0.3	0.0	352.0	0.01	99.57
121.0-122.0	0.4	0.0	352.1	0.01	99.58
122.0-123.0	0.4	0.0	352.1	0.01	99.59
123.0-124.0	0.3	0.0	352.1	0.01	99.60
124.0-125.0	0.4	0.0	352.2	0.01	99.61
125.0-126.0	0.4	0.0	352.2	0.01	99.62
126.0-127.0	0.4	0.0	352.2	0.01	99.63
127.0-128.0	0.4	0.0	352.3	0.01	99.64
128.0-129.0	0.4	0.0	352.3	0.01	99.65
129.0-130.0	0.4	0.0	352.3	0.01	99.66
130.0-131.0	0.4	0.0	352.4	0.01	99.67
131.0-132.0	0.5	0.0	352.4	0.01	99.68
132.0-133.0	0.5	0.0	352.4	0.01	99.69
133.0-134.0	0.4	0.0	352.5	0.01	99.70
134.0-135.0	0.5	0.0	352.5	0.01	99.71
135.0-136.0	0.5	0.0	352.5	0.01	99.72
136.0-137.0	0.4	0.0	352.6	0.01	99.73
137.0-138.0	0.5	0.0	352.6	0.01	99.74
138.0-139.0	0.5	0.0	352.6	0.01	99.75
139.0-140.0	0.5	0.0	352.7	0.01	99.76
140.0-141.0	0.5	0.0	352.7	0.01	99.77
141.0-142.0	0.5	0.0	352.8	0.01	99.78
142.0-143.0	0.6	0.0	352.8	0.01	99.79
143.0-144.0	0.6	0.0	352.8	0.01	99.80

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	352.9	0.01	99.81
145.0-146.0	0.5	0.0	352.9	0.01	99.82
146.0-147.0	0.5	0.0	352.9	0.01	99.83
147.0-148.0	0.5	0.0	353.0	0.01	99.84
148.0-149.0	0.5	0.0	353.0	0.01	99.85
149.0-150.0	0.6	0.0	353.0	0.01	99.86
150.0-151.0	0.6	0.0	353.1	0.01	99.86
151.0-152.0	0.6	0.0	353.1	0.01	99.87
152.0-153.0	0.6	0.0	353.1	0.01	99.88
153.0-154.0	0.6	0.0	353.1	0.01	99.89
154.0-155.0	0.6	0.0	353.2	0.01	99.90
155.0-156.0	0.6	0.0	353.2	0.01	99.90
156.0-157.0	0.6	0.0	353.2	0.01	99.91
157.0-158.0	0.6	0.0	353.2	0.01	99.92
158.0-159.0	0.6	0.0	353.3	0.01	99.92
159.0-160.0	0.6	0.0	353.3	0.01	99.93
160.0-161.0	0.6	0.0	353.3	0.01	99.94
161.0-162.0	0.6	0.0	353.3	0.01	99.94
162.0-163.0	0.6	0.0	353.4	0.01	99.95
163.0-164.0	0.6	0.0	353.4	0.01	99.95
164.0-165.0	0.6	0.0	353.4	0.01	99.96
165.0-166.0	0.6	0.0	353.4	0.00	99.97
166.0-167.0	0.6	0.0	353.4	0.00	99.97
167.0-168.0	0.6	0.0	353.4	0.00	99.97
168.0-169.0	0.6	0.0	353.5	0.00	99.98
169.0-170.0	0.7	0.0	353.5	0.00	99.98
170.0-171.0	0.7	0.0	353.5	0.00	99.99
171.0-172.0	0.7	0.0	353.5	0.00	99.99
172.0-173.0	0.7	0.0	353.5	0.00	99.99
173.0-174.0	0.7	0.0	353.5	0.00	99.99
174.0-175.0	0.7	0.0	353.5	0.00	100.00
175.0-176.0	0.7	0.0	353.5	0.00	100.00
176.0-177.0	0.6	0.0	353.5	0.00	100.00
177.0-178.0	0.7	0.0	353.5	0.00	100.00
178.0-179.0	0.7	0.0	353.5	0.00	100.00
179.0-180.0	0.7	0.0	353.5	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: