



Acolyte LED
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Complete Integrated LED Lighting Solutions

Page 1 of 15 Pages

Report No.:

Test Time: 2018/1/8 12:33

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: DMX RIBBONLYTE RGB (B)

Luminaire Description: DMX RIBBONLYTE RGB (B)

Luminous Length (mm): 1000

Luminous Width (mm): 18

Luminous Height (mm): 1

Voltage: 24.0 V

Current: 0.231 A

Power: 5.55 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Measurement Flux: 51.9 lm

Downward Ratio: 98%

Horizontal Diffuse Angle(50%): H116.5

Vertical Diffuse Angle(50%): V111.5

Luminaire Efficacy Rating (LER): 9

Max. Intensity: 17.03 cd

Total Rated Lamp Lumens: 51.9 lm

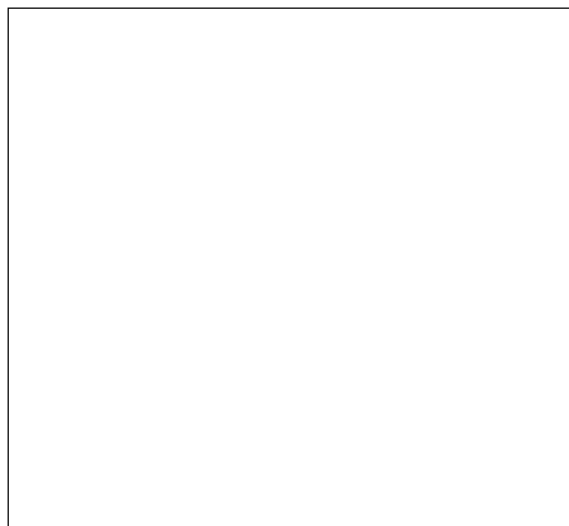
Efficiency: 100%

Upward Ratio: 2%

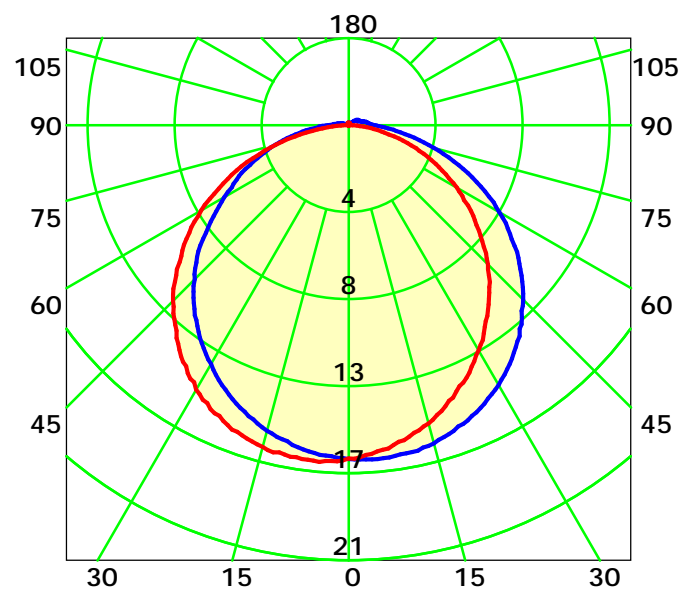
Central Intensity: 16.79 cd

Pos of Max. Intensity: H300 V7

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 114.0° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0: 1.0

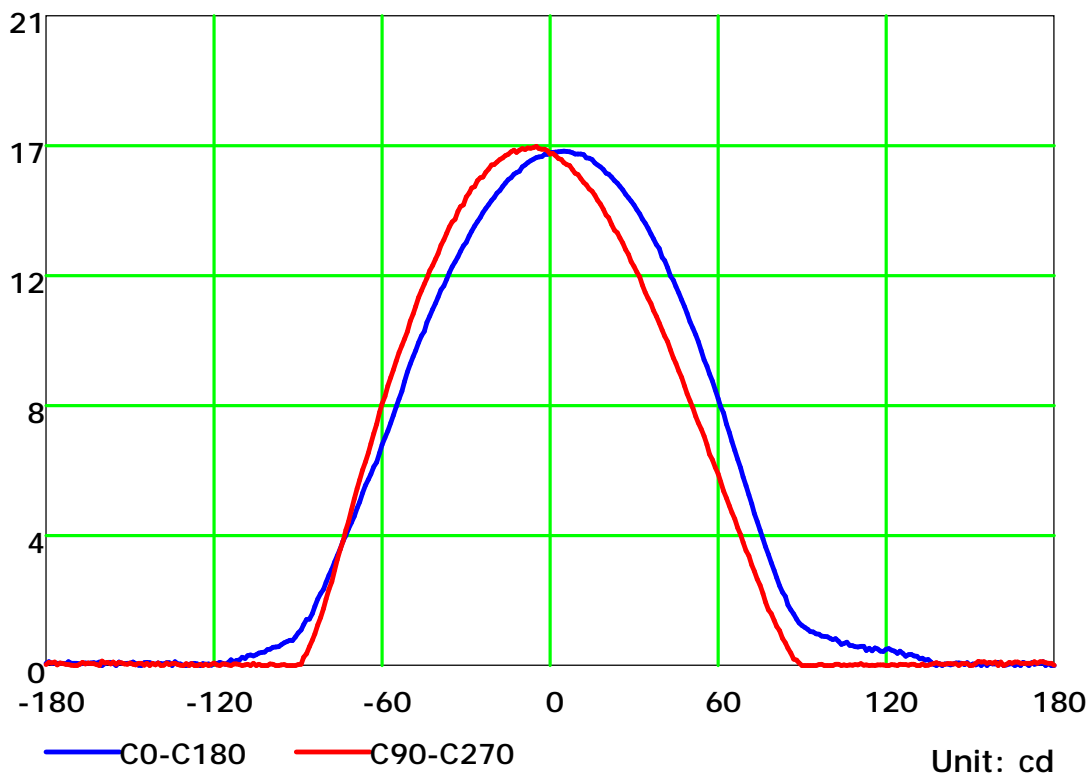
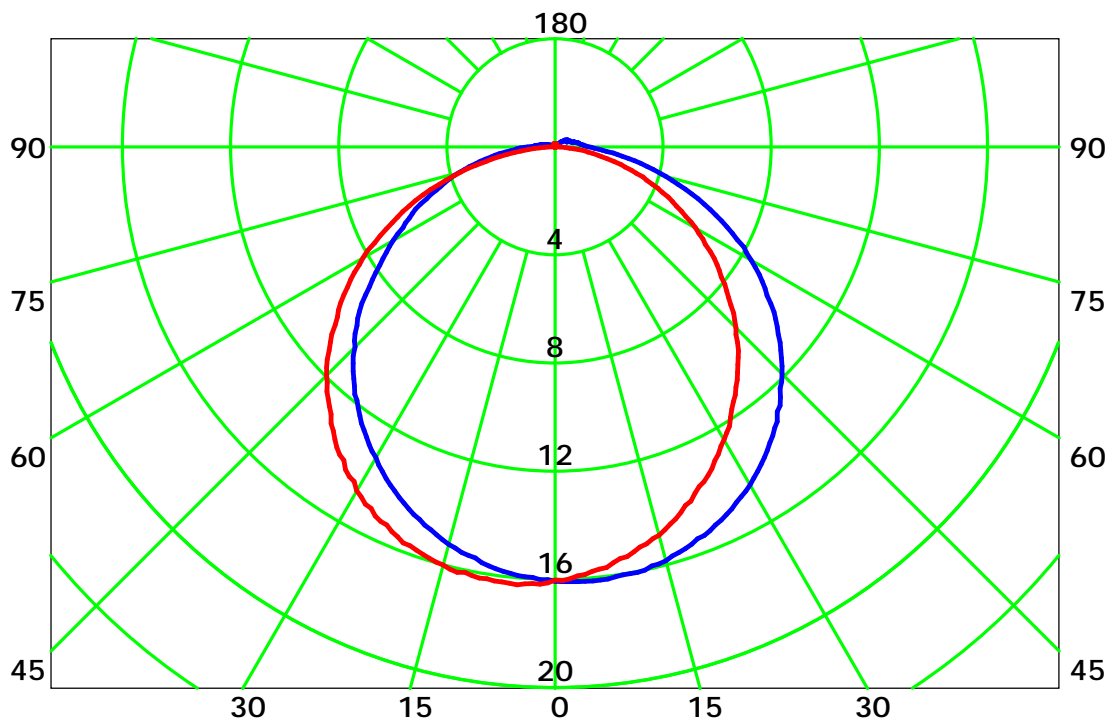
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

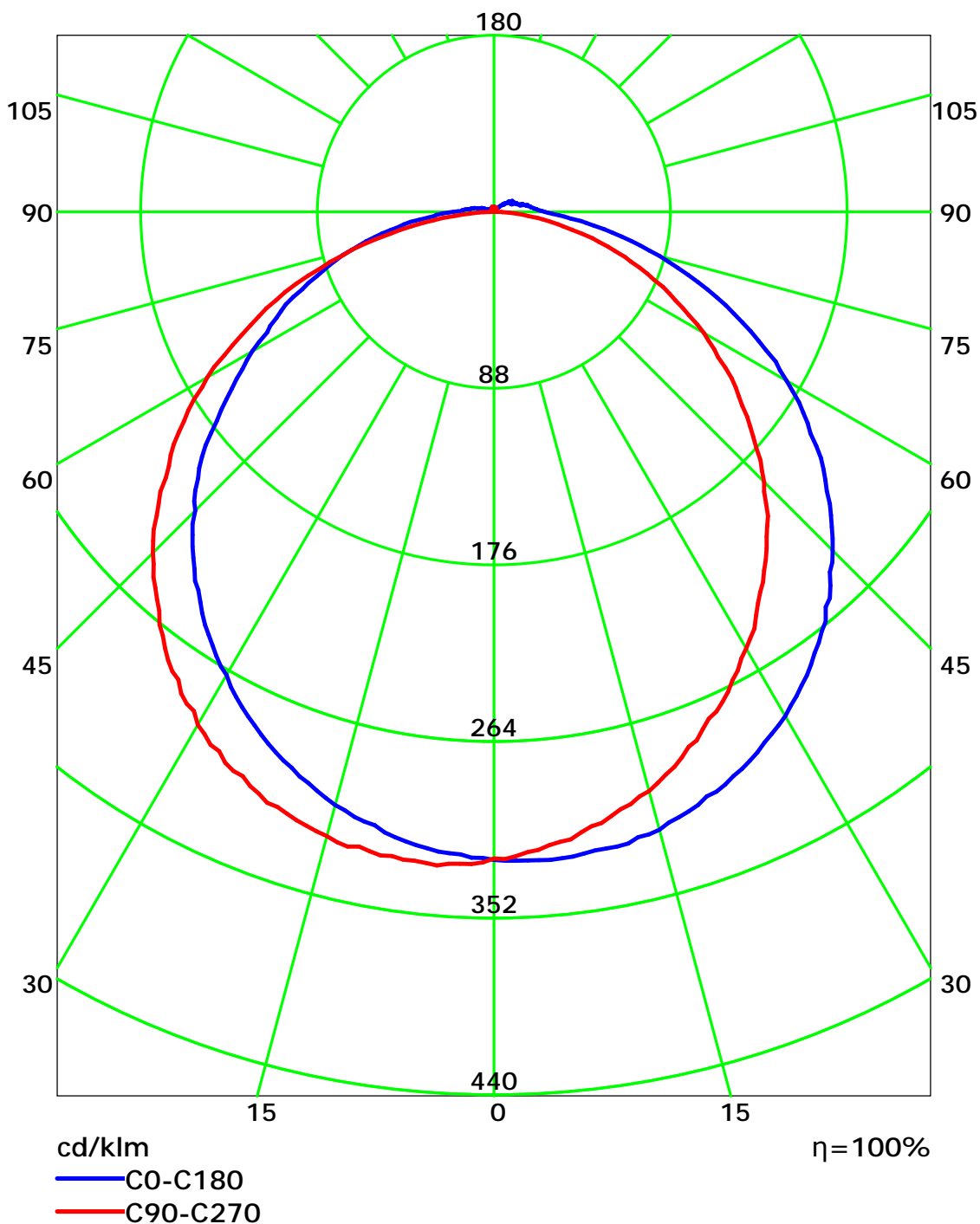
Luminous Intensity Distribution Curve



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

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: acolyteled
 Test Type: TYPE C
 Temperature: 25
 Operator: Aaron

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



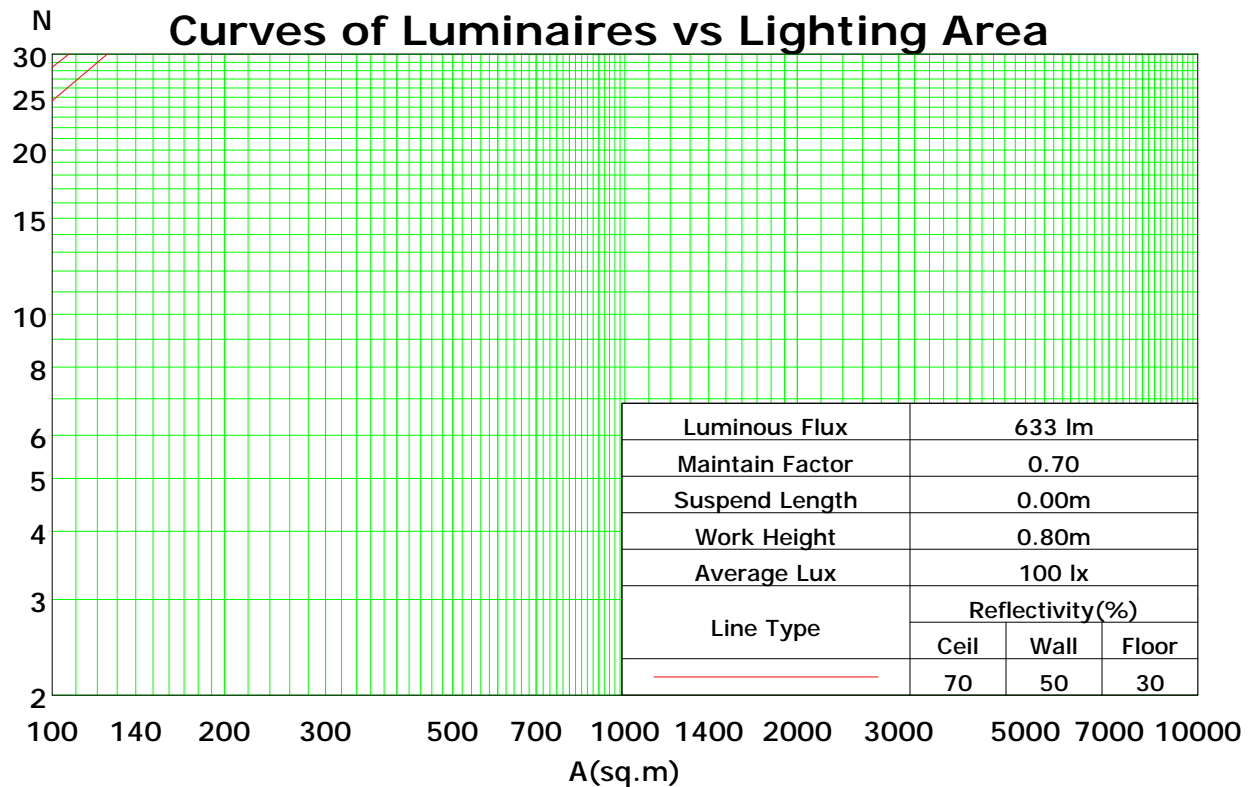
Coefficients Of Utilization - Zonal Cavity Method

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	110	110	110	105	105	105	100	100	100	98
1	107	102	98	94	104	100	96	92	95	92	89	91	88	85	87	85	82	80
2	97	89	82	76	94	87	80	74	83	77	72	79	74	70	76	72	68	66
3	89	78	69	62	86	76	68	62	72	66	60	69	64	59	66	62	58	55
4	81	69	60	53	78	67	59	52	64	57	51	62	55	50	59	54	49	47
5	74	61	52	45	72	60	51	45	57	50	44	55	49	43	53	47	43	40
6	69	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	64	50	41	35	62	49	40	34	47	39	34	45	39	34	44	38	33	31
8	59	45	37	31	57	45	36	31	43	36	30	42	35	30	40	34	30	28
9	55	42	33	28	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	30	25	35	29	24	34	29	24	22

Spacing Criteria (0-180): 1.28

Spacing Criteria (90-270): 1.26

Spacing Criteria (Diagonal): 1.39



C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25

Operator: Aaron

Gamma Plane (°):0.0-180.0: 1.0

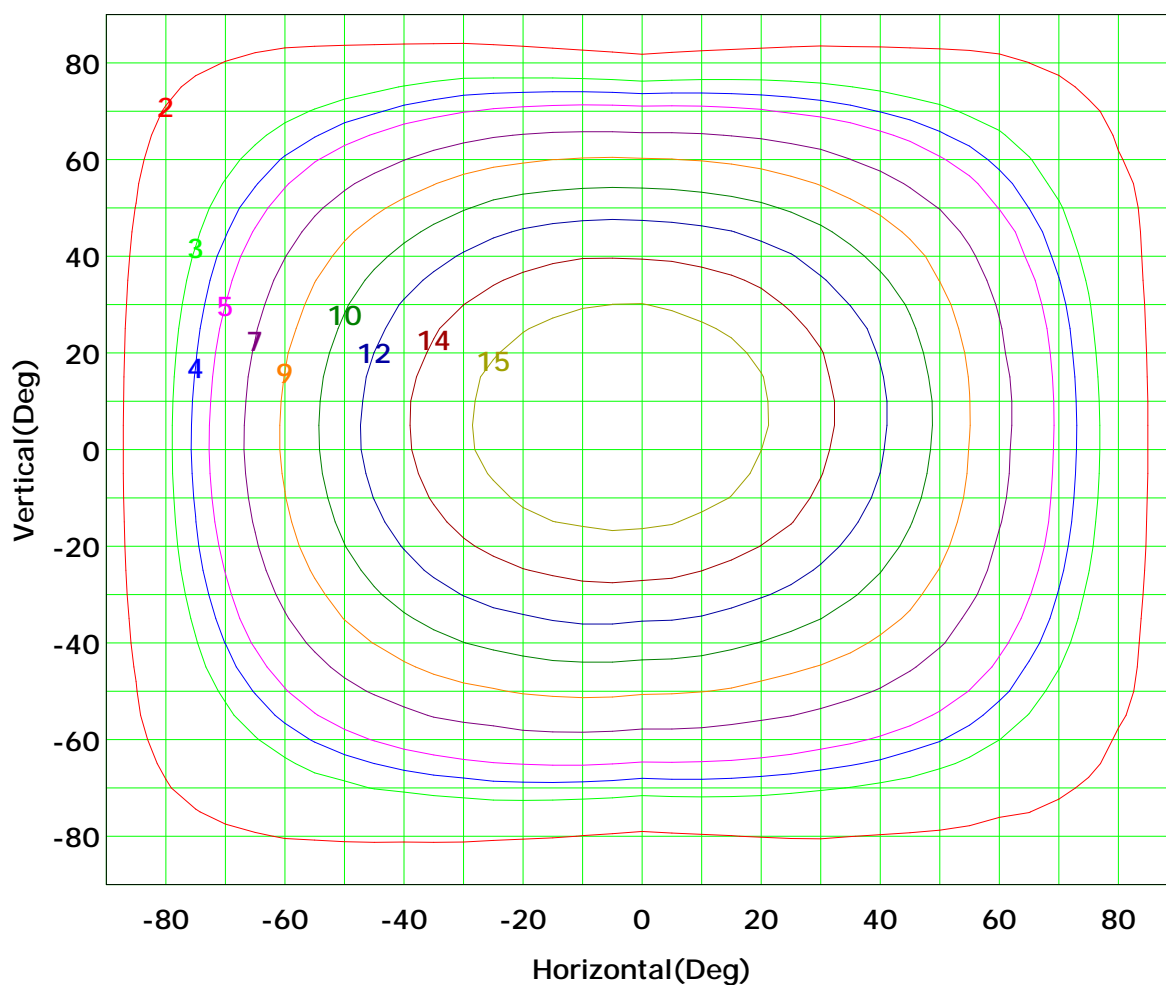
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



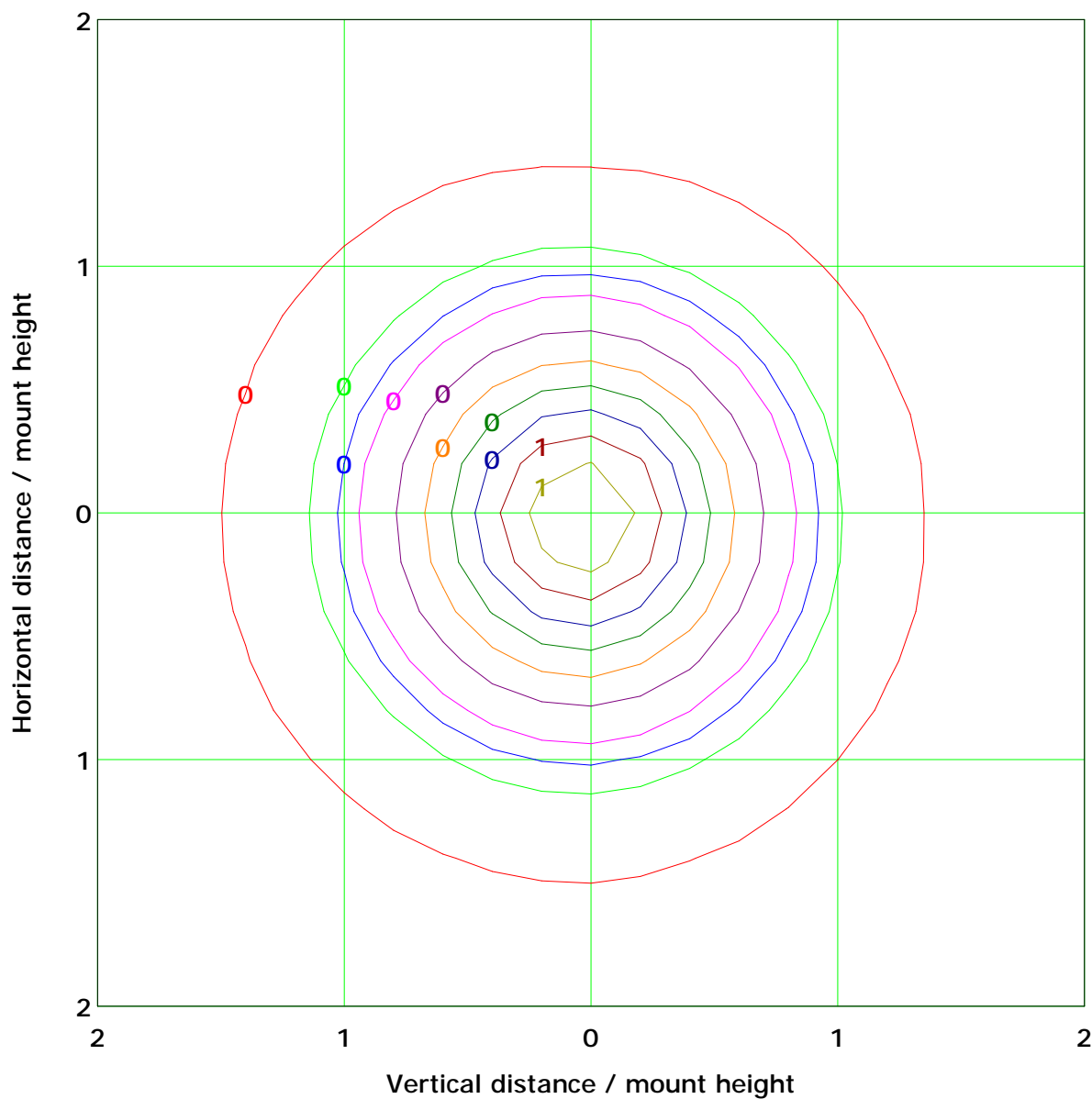
I_{max} (100%): 17 cd

(10%):	2 cd	(20%):	3 cd
(25%):	4 cd	(30%):	5 cd
(40%):	7 cd	(50%):	9 cd
(60%):	10 cd	(70%):	12 cd
(80%):	14 cd	(90%):	15 cd

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

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

IsoLux Plot



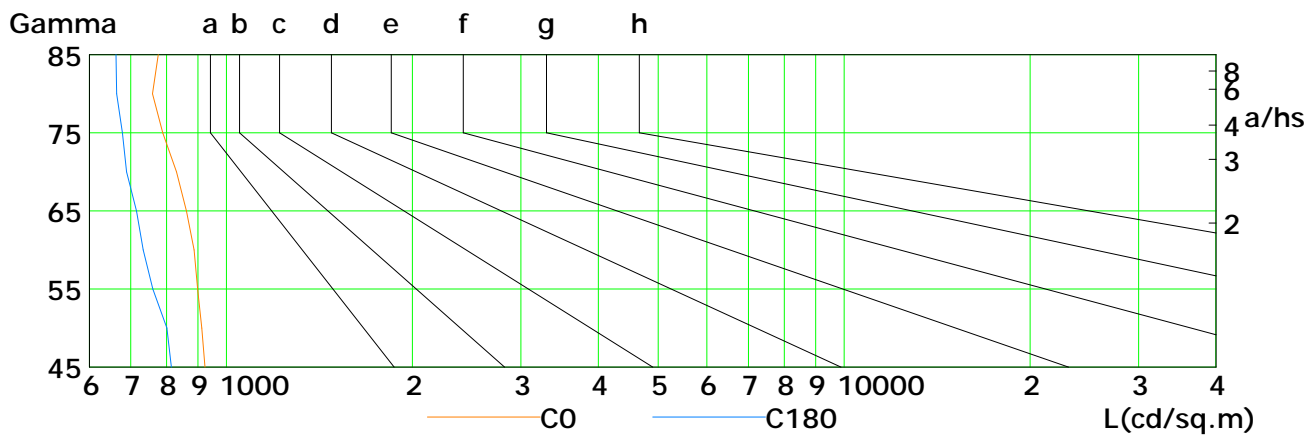
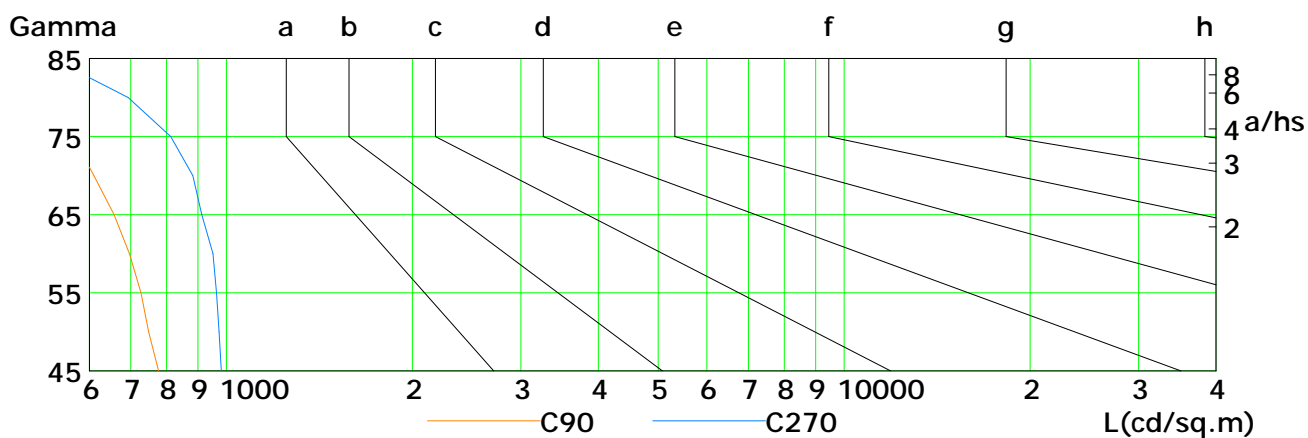
C Plane (°):0.0-360.0: 30.0
 Test Lab: acolyteled
 Test Type: TYPE C
 Temperature: 25
 Operator: Aaron

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



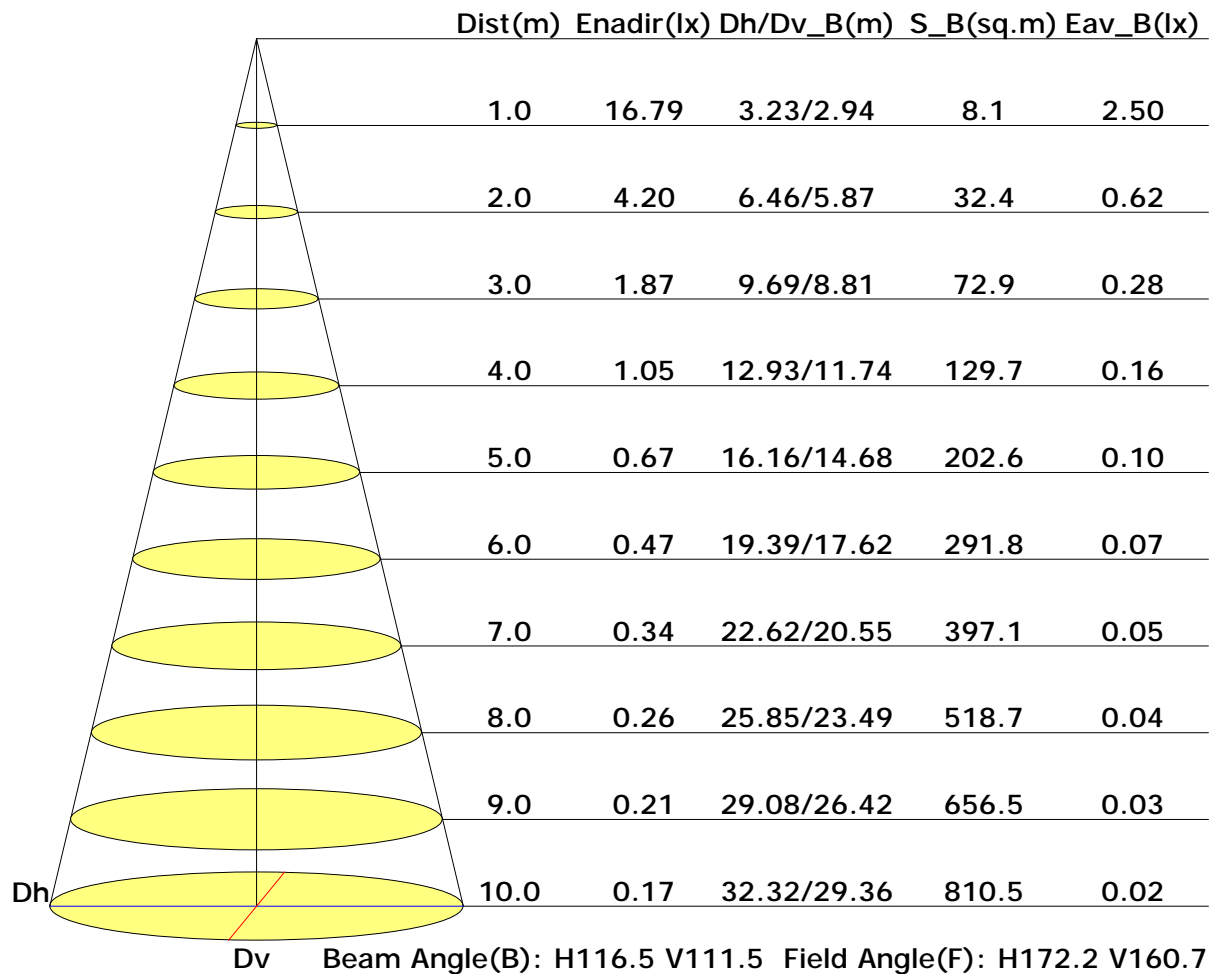
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	924	913	898	887	862	830	789	759	776
C90	777	748	727	697	658	611	565	471	359
C180	815	801	760	734	715	689	679	664	663
C270	981	974	964	952	913	883	813	694	523

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

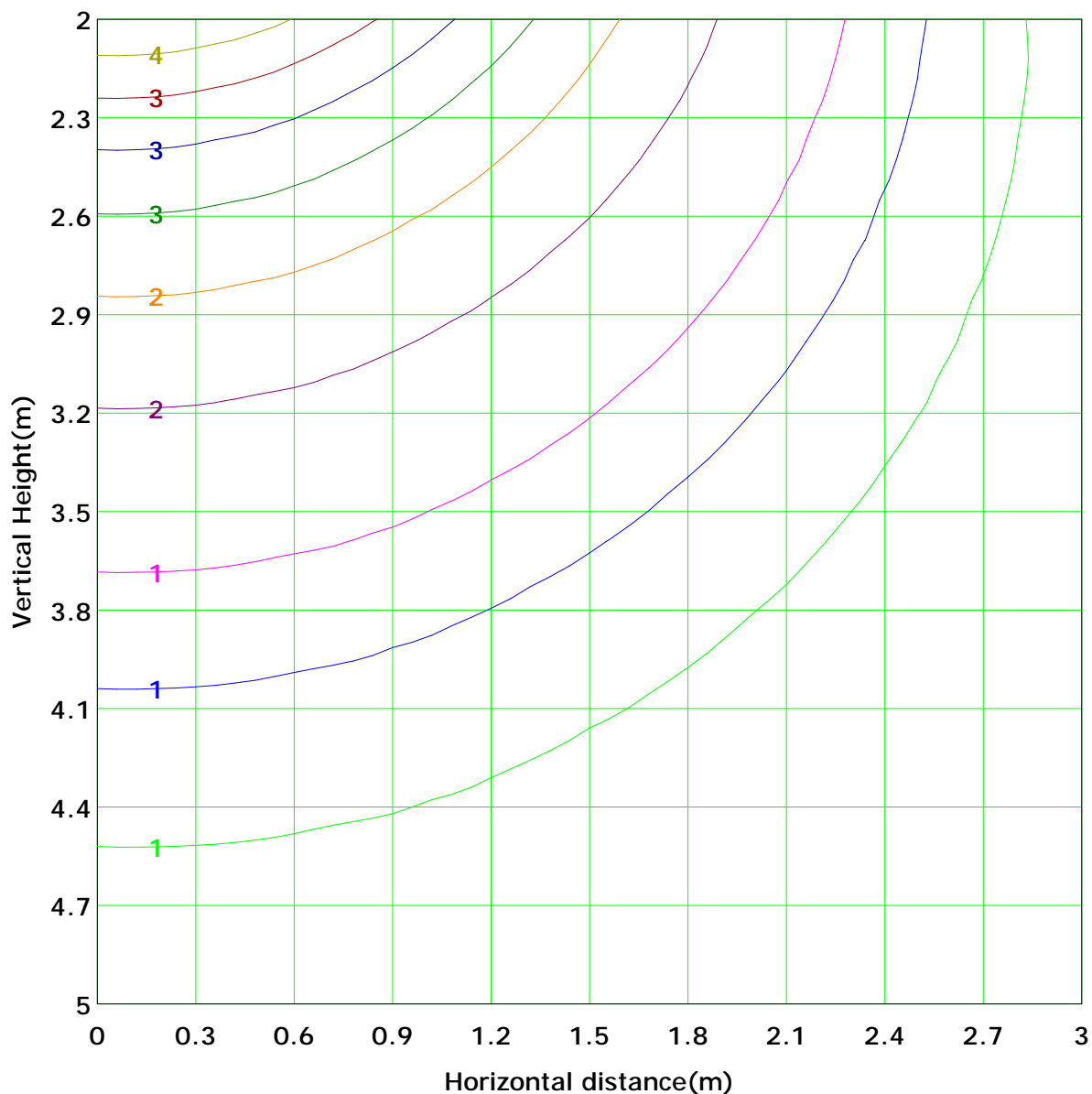
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 4.2 lx
(10%): 0.4 lx	(20%): 0.8 lx	
(25%): 1.1 lx	(30%): 1.3 lx	
(40%): 1.7 lx	(50%): 2.1 lx	
(60%): 2.5 lx	(70%): 2.9 lx	
(80%): 3.4 lx	(90%): 3.8 lx	

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

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



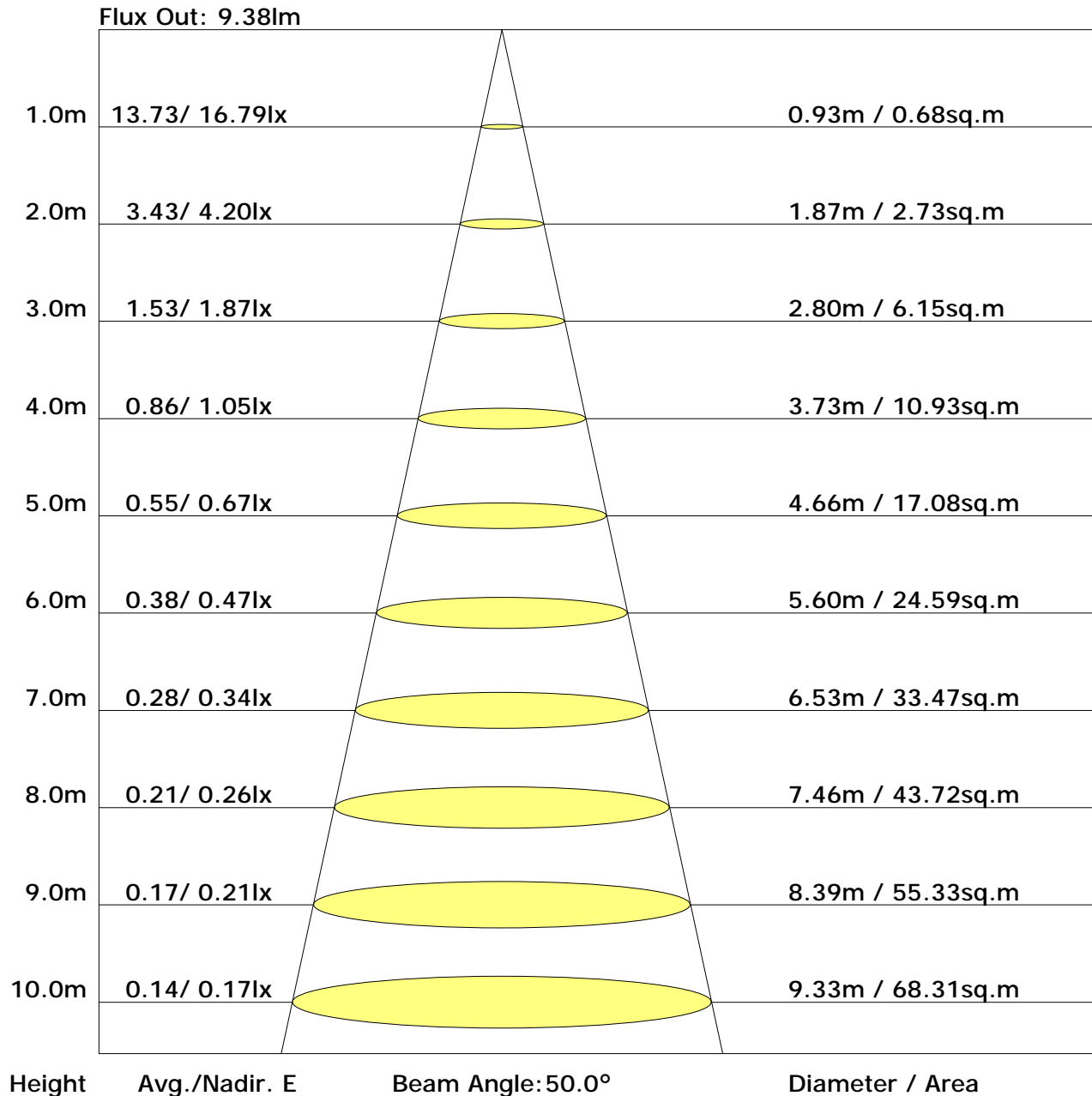
Unit: 1m

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

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: acolyteled
Test Type: TYPE C
Temperature: 25
Operator: Aaron

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	22.3	24.0	22.7	24.3	24.7	20.4	22.0	20.8	22.3	22.7
3H	24.4	25.9	24.8	26.2	26.7	22.0	23.5	22.4	23.9	24.3
4H	25.2	26.6	25.7	27.0	27.4	22.6	24.0	23.0	24.4	24.8
6H	26.0	27.3	26.4	27.7	28.1	23.0	24.3	23.4	24.7	25.1
8H	26.3	27.5	26.8	28.0	28.4	23.1	24.3	23.6	24.8	25.2
12H	26.6	27.8	27.1	28.2	28.7	23.2	24.3	23.6	24.8	25.2
X=4H Y=2H	22.9	24.3	23.4	24.7	25.1	21.1	22.5	21.6	22.9	23.4
3H	25.2	26.4	25.7	26.8	27.3	23.0	24.2	23.5	24.7	25.1
4H	26.2	27.3	26.7	27.7	28.2	23.8	24.8	24.2	25.3	25.8
6H	27.1	28.0	27.6	28.5	29.0	24.3	25.2	24.8	25.7	26.2
8H	27.5	28.4	28.0	28.9	29.4	24.4	25.3	24.9	25.8	26.3
12H	27.9	28.7	28.4	29.2	29.7	24.5	25.3	25.0	25.8	26.3
X=8H Y=4H	26.5	27.4	27.0	27.9	28.4	24.2	25.1	24.7	25.6	26.1
6H	27.5	28.3	28.1	28.8	29.3	24.9	25.6	25.4	26.2	26.7
8H	28.1	28.7	28.6	29.3	29.8	25.2	25.8	25.7	26.4	26.9
12H	28.6	29.2	29.2	29.7	30.3	25.3	25.9	25.9	26.4	27.1
X=12H Y=4H	26.5	27.3	27.1	27.8	28.4	24.3	25.1	24.8	25.6	26.1
6H	27.6	28.3	28.2	28.8	29.4	25.1	25.7	25.6	26.2	26.8
8H	28.2	28.8	28.7	29.3	29.9	25.4	26.0	25.9	26.5	27.1

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0

Test Lab: acolyteled

Test Type: TYPE C

Temperature: 25

Operator: Aaron

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	0.54	0.65	0.72	0.77	0.85	0.90	0.93	0.98	1.01
	0.30		0.46	0.57	0.64	0.70	0.78	0.84	0.88	0.94	0.97
	0.20		0.40	0.51	0.58	0.64	0.73	0.79	0.83	0.90	0.94
0.50	0.50	0.20	0.53	0.62	0.69	0.74	0.81	0.86	0.89	0.94	0.97
	0.30		0.45	0.55	0.63	0.68	0.76	0.81	0.85	0.90	0.93
	0.20		0.40	0.50	0.57	0.63	0.71	0.77	0.81	0.87	0.91
0.30	0.50	0.20	0.51	0.60	0.67	0.71	0.78	0.82	0.86	0.90	0.92
	0.30		0.44	0.54	0.61	0.66	0.73	0.78	0.82	0.87	0.90
	0.20		0.40	0.49	0.56	0.62	0.69	0.75	0.79	0.84	0.87
0.00	0.00	0.00	0.37	0.46	0.53	0.58	0.65	0.71	0.74	0.79	0.82
Rating: 6W 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	0.85	0.73	0.64	0.51	0.43	0.37	0.29	0.24
	0.30		0.85	0.73	0.63	0.56	0.46	0.39	0.34	0.27	0.23
	0.20		0.73	0.63	0.56	0.50	0.42	0.36	0.32	0.25	0.21
0.50	0.50	0.20	0.98	0.81	0.69	0.61	0.49	0.44	0.35	0.27	0.22
	0.30		0.83	0.70	0.61	0.54	0.45	0.38	0.33	0.26	0.22
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.25	0.21
0.30	0.50	0.20	0.95	0.78	0.66	0.58	0.47	0.39	0.33	0.26	0.21
	0.30		0.81	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.21
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20
0.00	0.00	0.00	0.61	0.51	0.45	0.40	0.32	0.27	0.24	0.19	0.16
Rating: 6W 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	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
	0.30		0.12	0.13	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	0.15	0.16	0.17	0.19
0.50	0.50	0.20	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.20
	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	0.17	0.19	0.19	0.20	0.21	0.21	0.21	0.22	0.22
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<p>Rating:6W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											