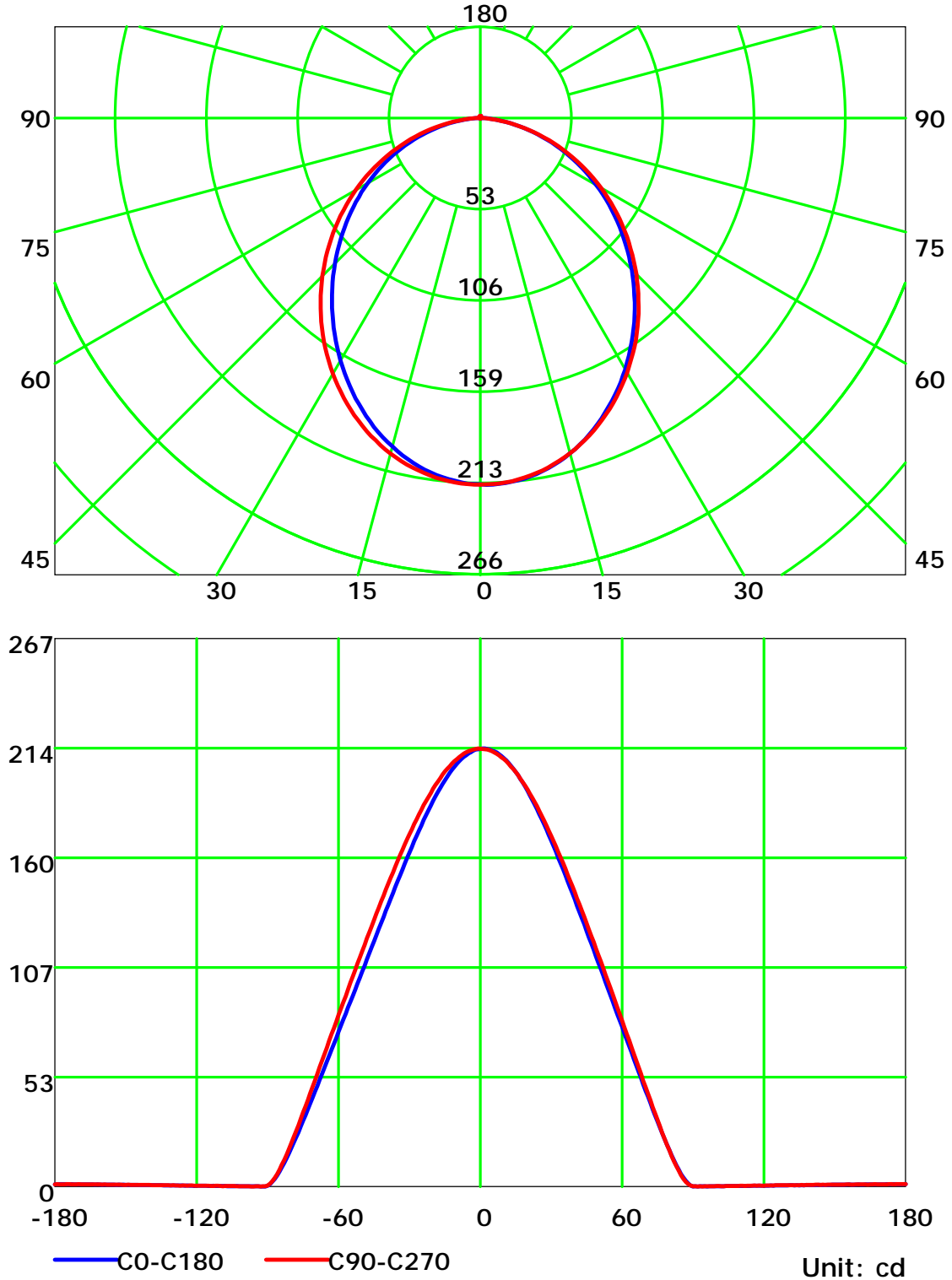


Inspector:

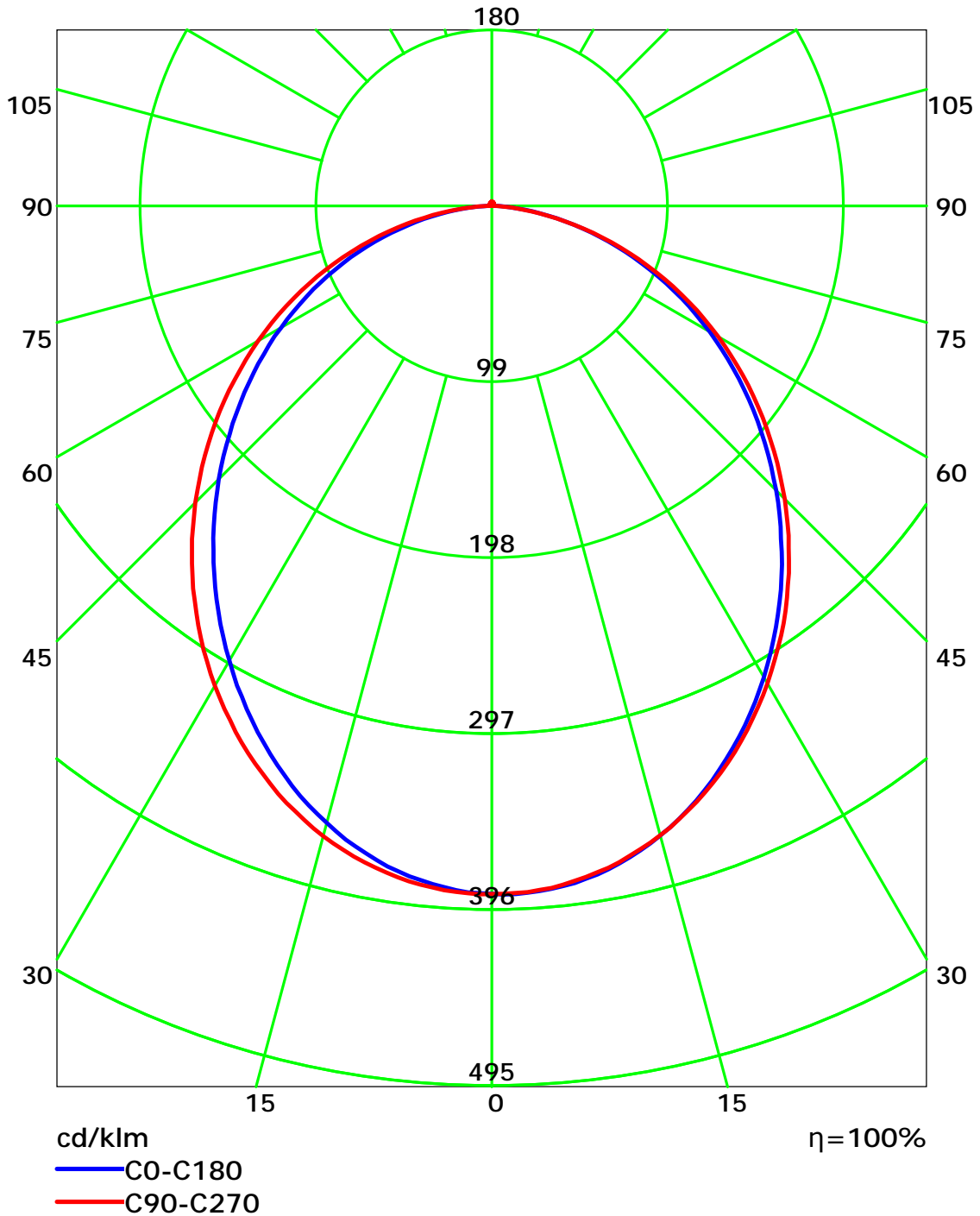
Luminous Intensity Distribution Curve



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

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°C
Operator:

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

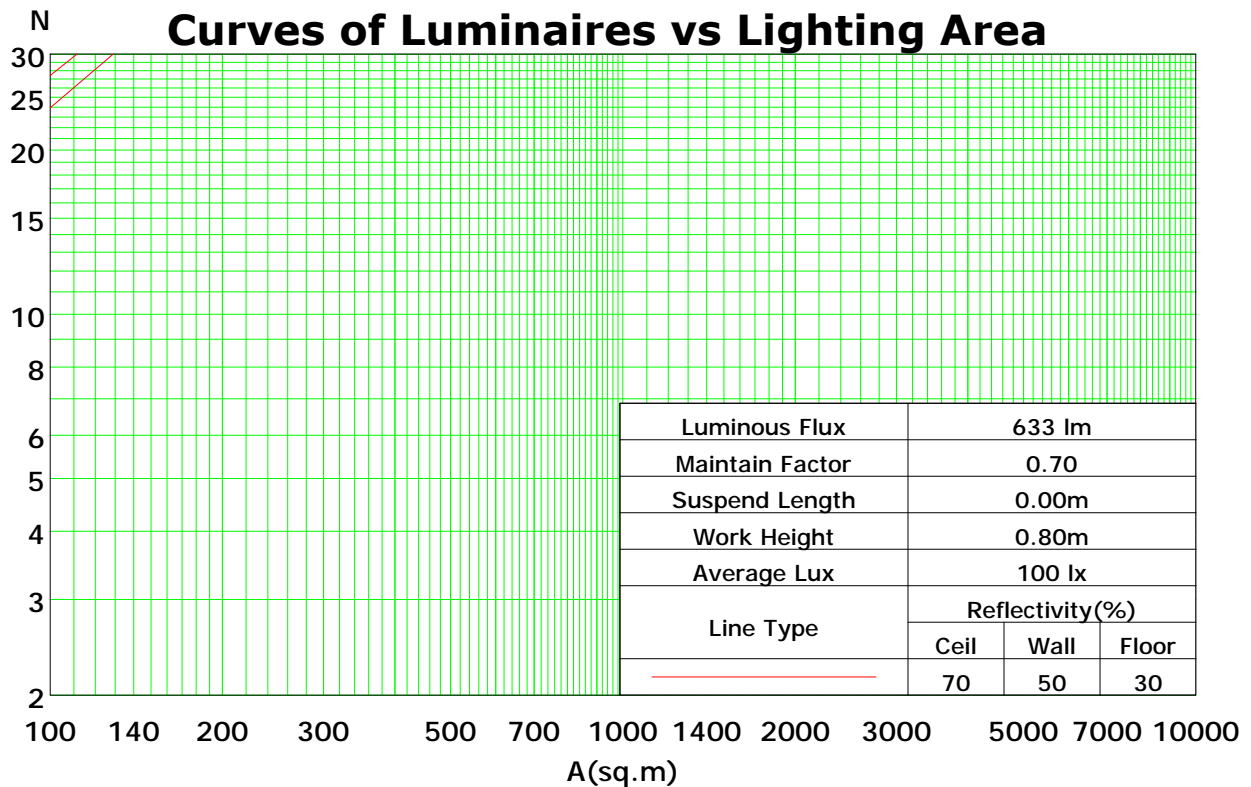
Coefficients Of Utilization - Zonal Cavity Method

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	109	104	100	96	106	102	98	95	97	94	92	93	91	89	90	88	86	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	65	62	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51
5	77	64	55	48	74	63	54	48	60	53	48	58	52	47	57	51	46	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	38	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	27	39	32	27	38	32	27	37	31	27	25

Spacing Criteria (0-180): 1.16

Spacing Criteria (90-270): 1.20

Spacing Criteria (Diagonal): 1.30



C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25°C

Operator:

Gamma Plane (°):0.0-180.0:1.0

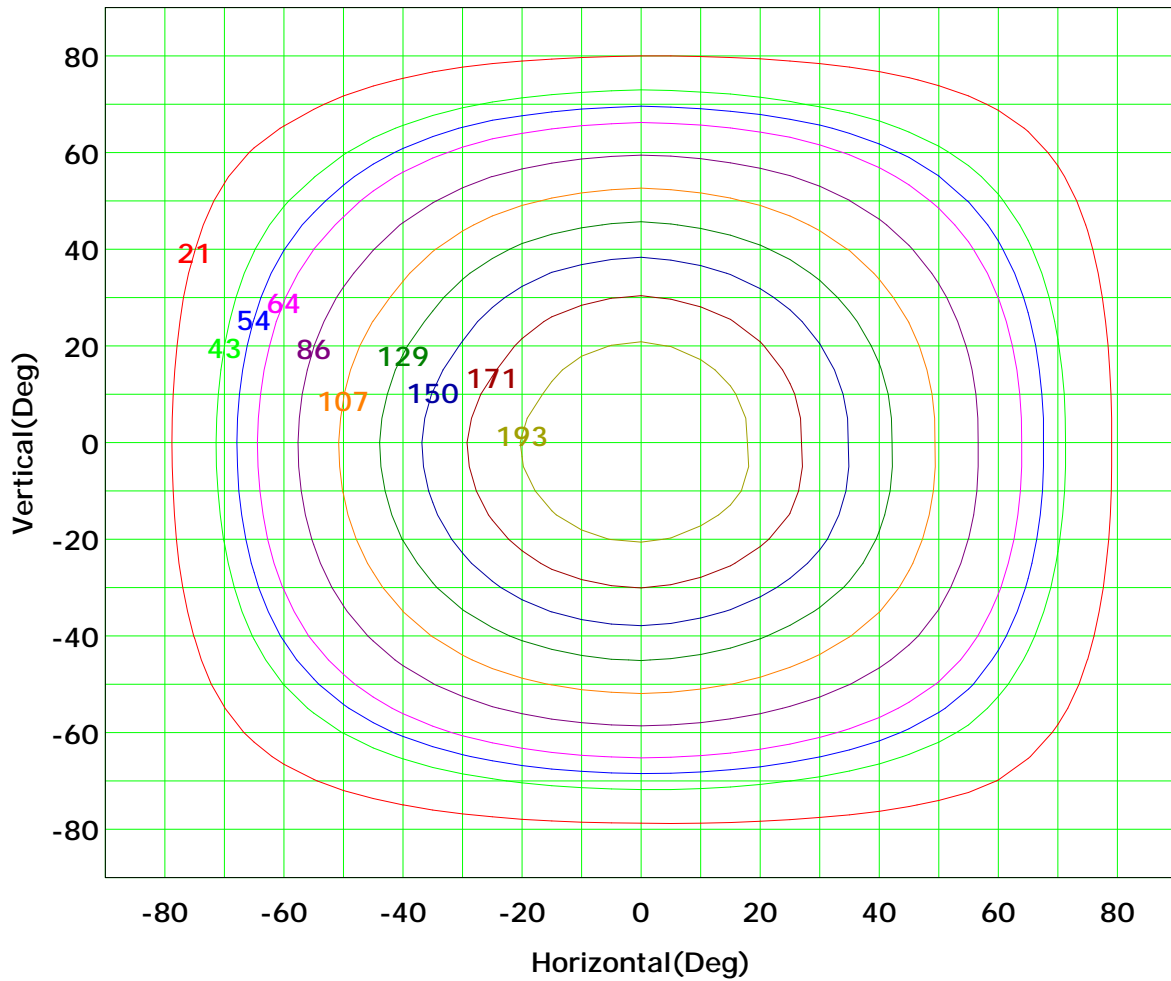
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



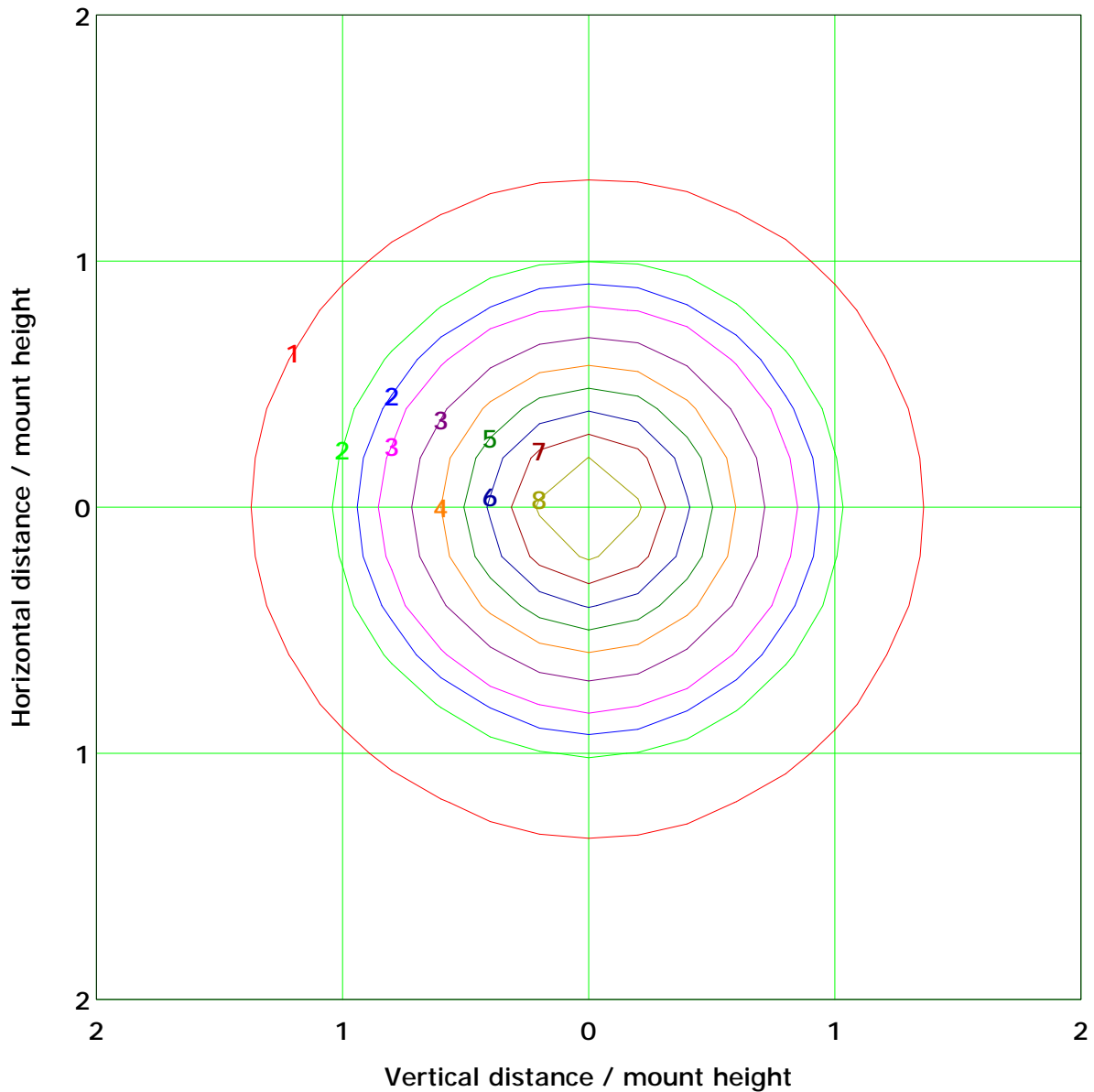
I_{max} (100%): 214 cd

(10%): 21 cd	(20%): 43 cd
(25%): 54 cd	(30%): 64 cd
(40%): 86 cd	(50%): 107 cd
(60%): 129 cd	(70%): 150 cd
(80%): 171 cd	(90%): 193 cd

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

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%): 8.6 lx

(10%): 0.9 lx	(20%): 1.7 lx
(25%): 2.1 lx	(30%): 2.6 lx
(40%): 3.4 lx	(50%): 4.3 lx
(60%): 5.1 lx	(70%): 6.0 lx
(80%): 6.9 lx	(90%): 7.7 lx

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25°C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 9.028 m

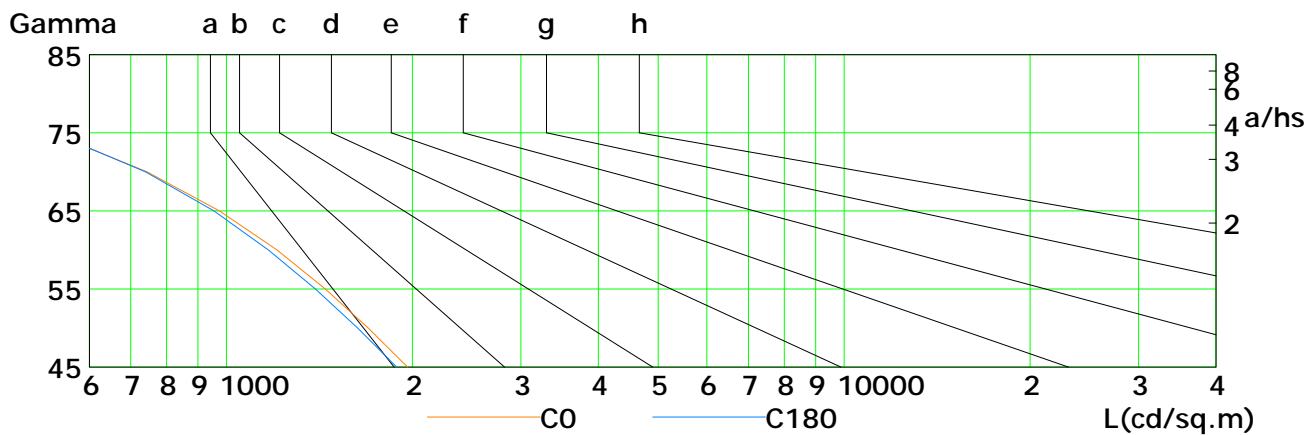
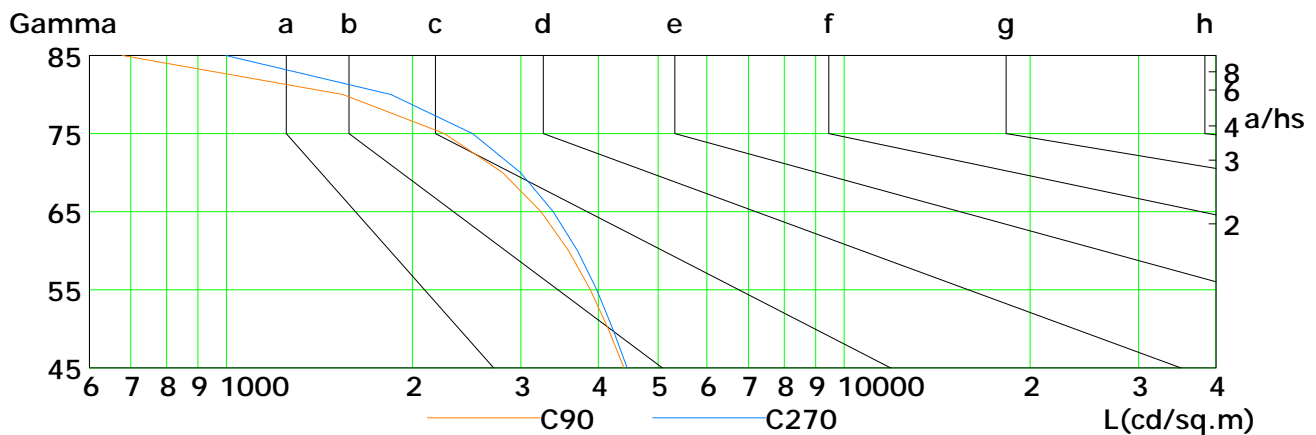
Humidity: 60%

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	1966	1697	1446	1208	975	744	521	303	111
C90	4402	4150	3886	3582	3234	2802	2255	1544	679
C180	1888	1633	1393	1170	955	740	526	319	133
C270	4456	4224	3979	3703	3383	2996	2505	1846	998

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25°C

Operator:

Gamma Plane (°):0.0-180.0:1.0

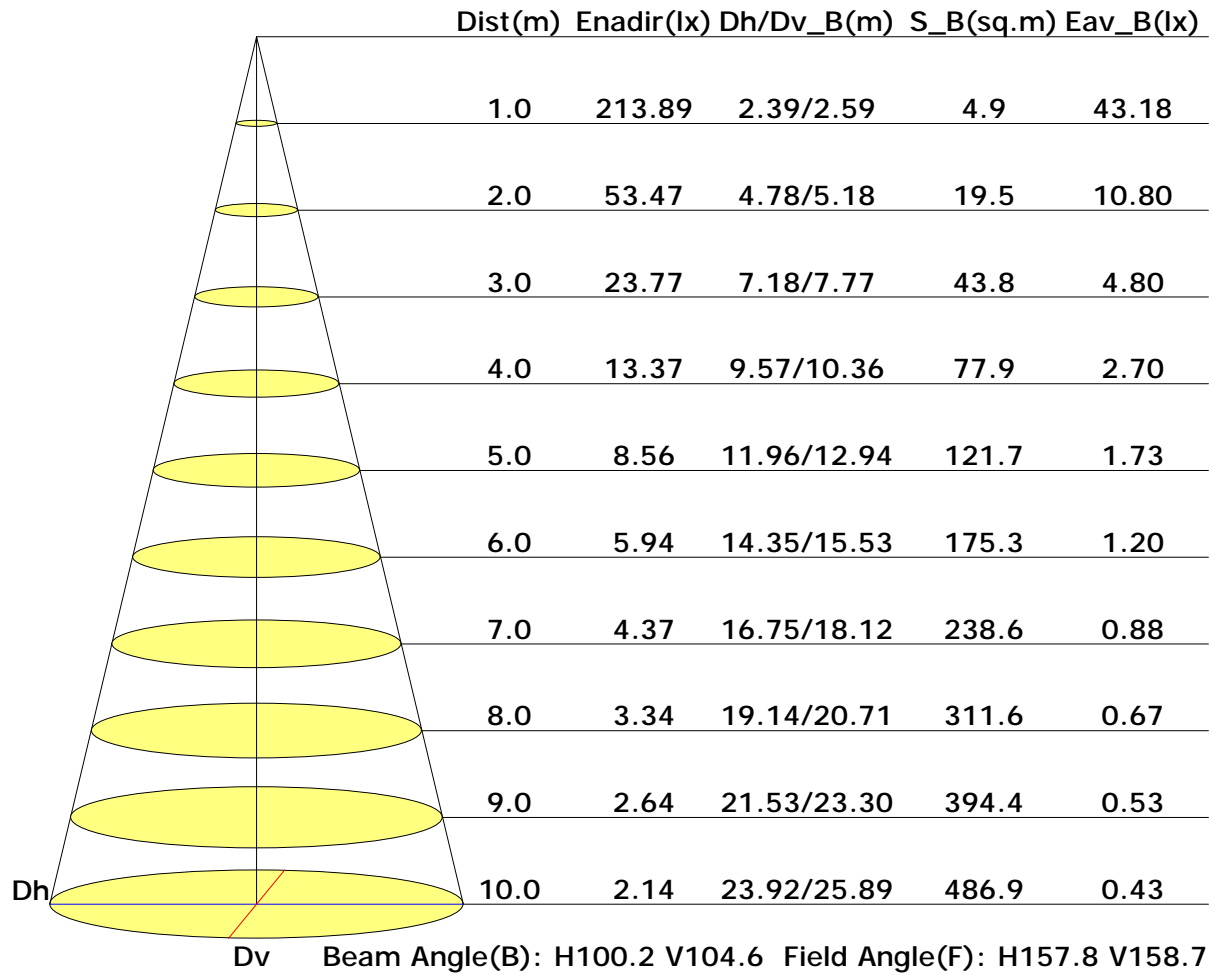
Test Device: GPM-1800B

Distance: 9.028 m

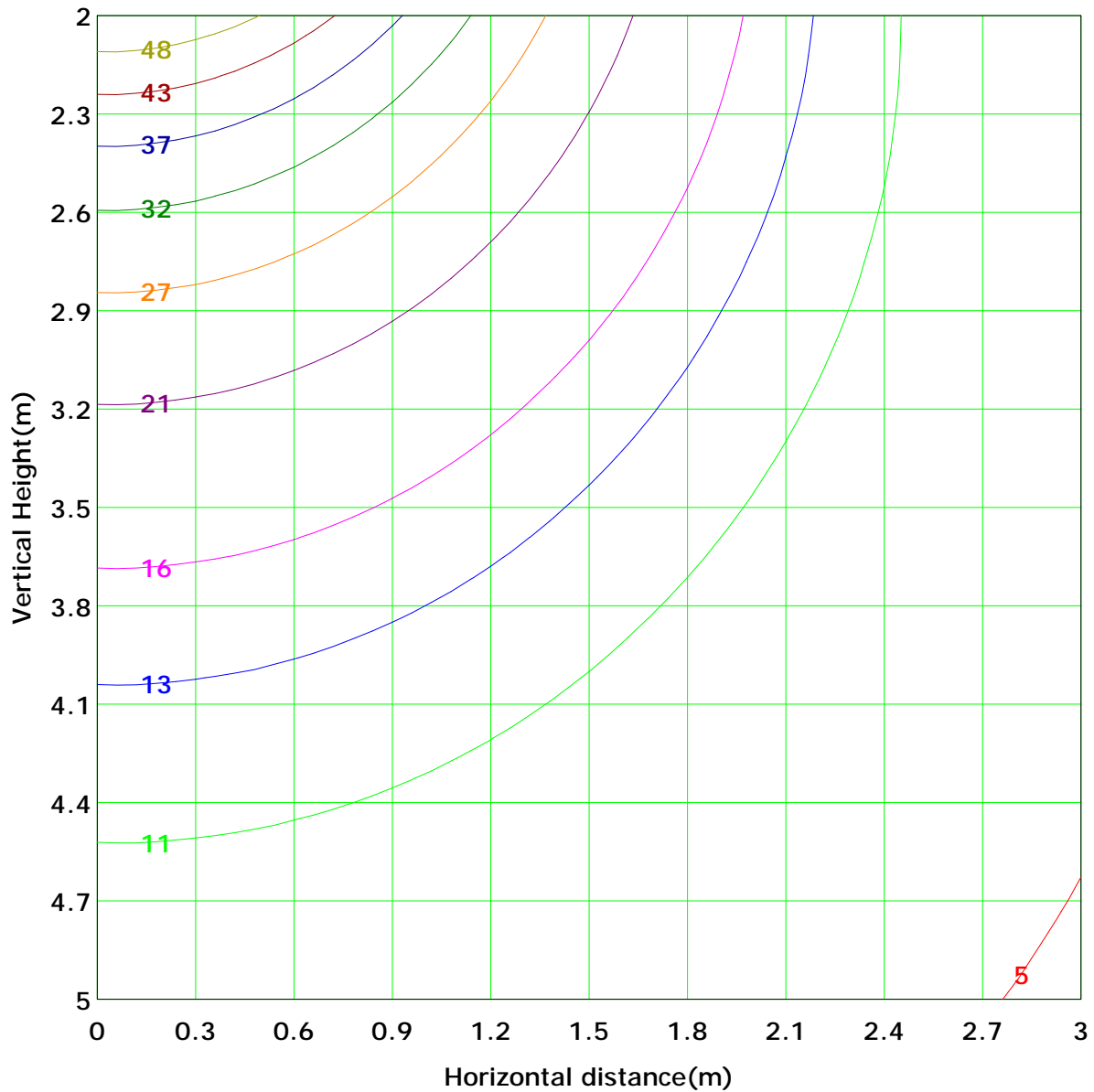
Humidity: 60%

Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 53.5 lx
(10%): 5.3 lx	(20%): 10.7 lx	
(25%): 13.4 lx	(30%): 16.0 lx	
(40%): 21.4 lx	(50%): 26.7 lx	
(60%): 32.1 lx	(70%): 37.4 lx	
(80%): 42.8 lx	(90%): 48.1 lx	

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

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		0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.0
		0.0	0.0	0.1	0.3	0.5	0.7	0.9	1.0	1.1	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	0.0	2.9	2.1
		0.0	0.1	0.3	0.5	0.9	1.3	1.6	1.9	2.0	2.0	1.9	1.6	1.3	0.9	0.5	0.3	0.1	0.0	0.0	8.7	8.0
		0.0	0.1	0.4	0.8	1.3	1.9	2.4	3.1	3.6	3.9	3.0	2.4	1.8	1.3	0.8	0.4	0.1	0.0	0.0	17.3	16.7
		0.0	0.2	0.6	1.3	2.0	2.9	3.7	4.4	4.8	4.8	3.6	2.8	2.4	1.8	1.3	0.8	0.4	0.1	0.0	28.0	27.4
		0.0	0.2	0.7	1.4	2.3	3.3	4.3	5.1	5.5	5.5	4.3	3.8	3.4	2.9	2.4	1.7	1.1	0.7	0.3	39.8	39.2
		0.0	0.3	0.8	1.5	2.5	3.6	4.7	5.6	6.1	6.1	5.1	4.4	4.0	3.6	3.1	2.3	1.6	0.9	0.5	51.2	50.6
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	60.3	59.8
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	65.6	65.0
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	65.7	65.2
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	60.6	60.0
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	51.4	50.8
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	39.8	39.2
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	27.8	27.2
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	16.9	16.3
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	8.3	7.6
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	2.6	1.9
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	0.3	0.0
		0.0	0.3	0.8	1.6	2.6	3.7	4.9	5.8	6.4	6.4	5.9	5.0	4.8	4.4	3.8	3.1	2.4	1.7	1.1	548	537

C Plane (°):0.0-360.0: 30.0

Test Lab: ACOLYTE

Test Type: TYPE C

Temperature: 25°C

Operator:

Gamma Plane (°):0.0-180.0:1.0

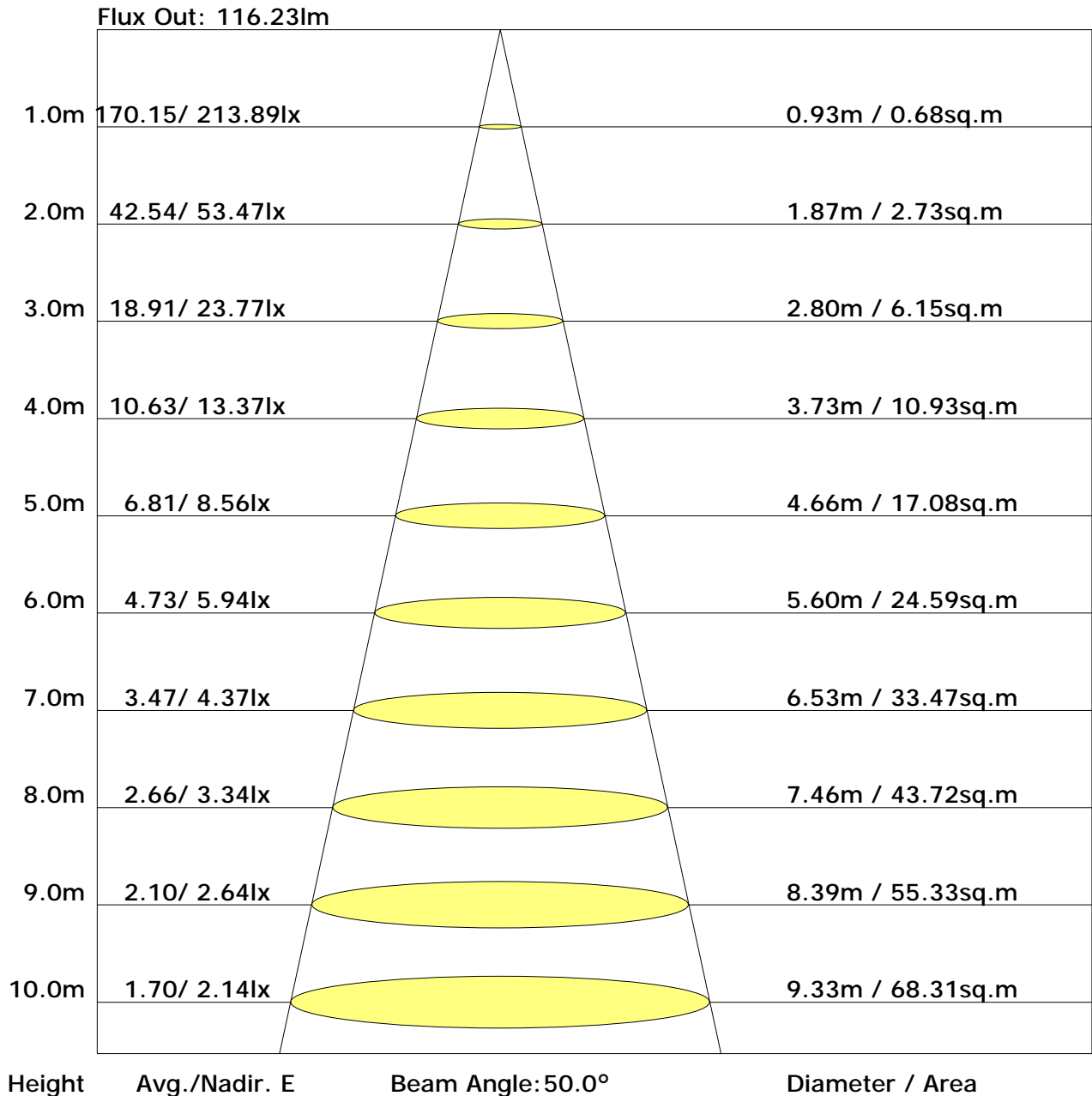
Test Device: GPM-1800B

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	16.8	18.4	17.2	18.7	19.1	15.3	16.9	15.6	17.2	17.5
3H	18.4	19.8	18.8	20.2	20.6	16.5	17.9	16.9	18.3	18.7
4H	18.9	20.3	19.4	20.7	21.1	16.8	18.2	17.3	18.6	19.0
6H	19.3	20.5	19.7	20.9	21.3	17.0	18.3	17.4	18.6	19.1
8H	19.4	20.5	19.8	21.0	21.4	17.0	18.2	17.5	18.6	19.1
12H	19.4	20.5	19.8	20.9	21.4	17.0	18.2	17.5	18.6	19.0
X=4H Y=2H	17.1	18.5	17.5	18.8	19.2	15.8	17.2	16.2	17.5	17.9
3H	18.8	20.0	19.2	20.4	20.8	17.2	18.4	17.7	18.8	19.2
4H	19.4	20.5	19.9	20.9	21.3	17.7	18.7	18.1	19.1	19.6
6H	19.8	20.7	20.3	21.2	21.7	17.9	18.8	18.4	19.3	19.7
8H	19.9	20.8	20.4	21.2	21.7	17.9	18.8	18.4	19.2	19.7
12H	20.0	20.7	20.5	21.2	21.7	17.9	18.7	18.4	19.2	19.7
X=8H Y=4H	19.5	20.3	20.0	20.8	21.3	17.9	18.7	18.4	19.2	19.7
6H	19.9	20.6	20.4	21.1	21.6	18.2	18.9	18.7	19.4	19.9
8H	20.1	20.7	20.6	21.2	21.7	18.2	18.8	18.7	19.4	19.9
12H	20.1	20.7	20.6	21.2	21.7	18.2	18.8	18.8	19.3	19.9
X=12H Y=4H	19.5	20.2	20.0	20.7	21.2	17.9	18.6	18.4	19.1	19.6
6H	19.9	20.6	20.5	21.0	21.6	18.2	18.8	18.7	19.3	19.8
8H	20.1	20.6	20.6	21.1	21.7	18.3	18.8	18.8	19.3	19.9

Calculate in accordance with CIE 190:2010

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

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	0.58	0.68	0.76	0.81	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.61	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.45	0.55	0.63	0.69	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.50	0.60	0.67	0.72	0.80	0.85	0.88	0.93	0.96
	0.20		0.44	0.55	0.62	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.95
	0.30		0.49	0.58	0.65	0.70	0.77	0.82	0.86	0.90	0.93
	0.20		0.44	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.42	0.51	0.58	0.63	0.70	0.75	0.79	0.83	0.86
<p>Rating: 7W 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>											

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	0.97	0.80	0.68	0.59	0.47	0.39	0.33	0.26	0.21
	0.30		0.81	0.69	0.59	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19
0.50	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20
	0.30		0.79	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18
0.30	0.50	0.20	0.91	0.74	0.63	0.54	0.43	0.36	0.30	0.23	0.19
	0.30		0.78	0.65	0.56	0.49	0.40	0.33	0.29	0.22	0.18
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18
0.00	0.00	0.00	0.58	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13
Rating: 7W 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	0.09	0.10	0.12	0.13	0.15	0.16	0.18
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.21
	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	0.12	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	0.19
	0.20		0.05	0.07	0.08	0.10	0.11	0.13	0.14	0.16	0.17
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
<p>Rating: 7W 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>											