



Indoor Distribution Test Report

Spectrum Lighting Inc.

994 Jefferson Street
Fall River, MA 02721
+1.508.678.2303

Spectrum Lighting Photometric Lab

Luminaire

CW0606TA-05L-AMB-EX-SO-MW
Nom 6" diam cylinder luminaire

Test Number

SP-00832

Test Date

The results contained in this report pertain only to this IES file.

**Summary of Results****Power**

Input Watts	15.3 W
-------------	--------

Lumen Output

Output Lumens	288
Efficacy	18.79 lm/W

Luminous Dimensions

0° - 180° Size	-0.5
90° - 270° Size	-0.5
Height	0

Spacing Criterion

Two luminaires, plane 0°	1.29
Two luminaires, plane 90°	1.29
Four luminaires	1.22

Full Beam Angle

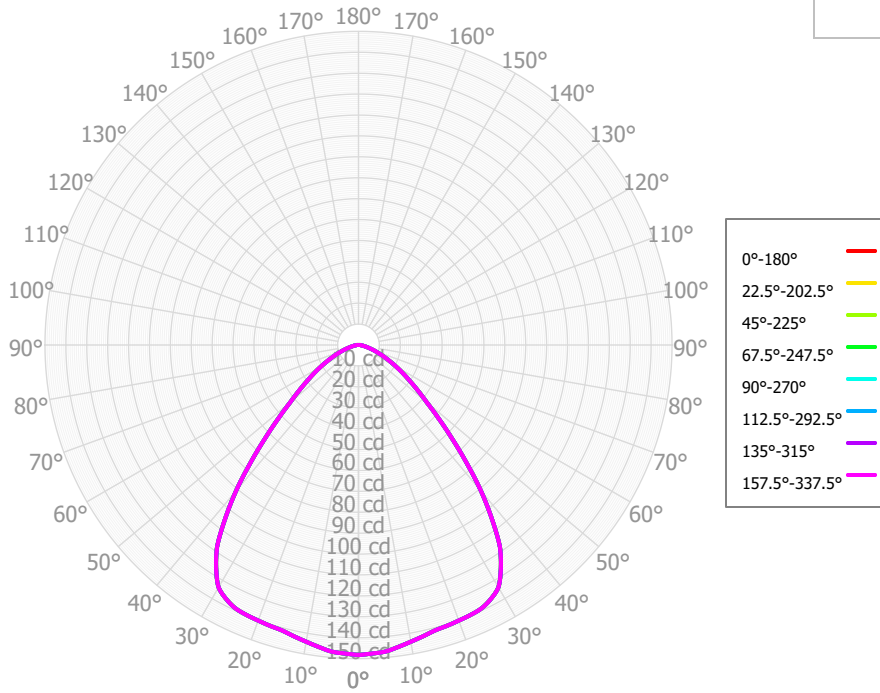
0° - 180°	86°
90° - 270°	86°

IES File Header Contents

Keyword	Value
TEST	SP-00832
TESTLAB	Spectrum Lighting Photometric Lab, VLS-245-981
MANUFAC	Spectrum Lighting
ISSUEDATE	3/28/2019
UPDATE	4/30/2019
LUMCAT	CW0606TA-05L-AMB-EX-SO-MW
LUMINAIRE	Nom 6" diam cylinder luminaire
OTHER	Beam Angle: 86 degrees
OTHER	Matte white trim; Solite lens
LAMPCAT	N/A
LAMP	N/A, Amber in color, 590 nm
OTHER	CCT Output Multipliers: N/A
OTHER	Total luminaire wattages is approximate
OTHER	This report prepared by Spectrum Lighting
_CRI	N/A, Amber Light
_CCTMULT	N/A
_LAMPMULT	N/A

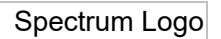


Candela Polar Plot



Zonal Lumen Summary

Zone	Lumens	% Fixture	Zone	Lumens	% Fixture
0.00° - 10.00°	14.15	4.92%	90.00° - 100.00°	0.12	0.04%
10.00° - 20.00°	40.12	13.95%	100.00° - 110.00°	0.00	0.00%
20.00° - 30.00°	63.89	22.22%	100.00° - 120.00°	0.00	0.00%
30.00° - 40.00°	71.92	25.01%	120.00° - 130.00°	0.00	0.00%
40.00° - 50.00°	49.45	17.20%	130.00° - 140.00°	0.00	0.00%
50.00° - 60.00°	27.30	9.49%	140.00° - 150.00°	0.00	0.00%
60.00° - 70.00°	13.88	4.83%	150.00° - 160.00°	0.00	0.00%
70.00° - 80.00°	5.24	1.82%	160.00° - 170.00°	0.00	0.00%
80.00° - 90.00°	1.49	0.52%	170.00° - 180.00°	0.00	0.00%
0.00° - 90.00°	287.44	99.96%	0.00° - 180.00°	287.56	100.00%



Candela Distribution

[illegible]

**Coefficients of Utilization – Zonal Cavity Method**

Values are lumens delivered to the workplane.

RCR	pfc	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	0%
	pcc	80%	80%	80%	80%	70%	70%	70%	70%	50%	50%	50%	30%	30%	30%	10%	10%	0%
	pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	30%
	0	342	342	342	342	334	334	334	334	319	319	319	306	306	306	293	293	287
	1	320	310	300	292	313	303	295	287	291	284	278	280	275	270	270	266	260
	2	298	279	263	250	291	274	259	247	264	252	242	255	245	236	247	239	234
	3	276	252	233	218	270	247	230	216	239	224	212	232	219	209	225	214	210
	4	257	228	207	191	251	225	205	190	218	201	187	212	197	185	206	193	189
	5	239	208	186	170	233	205	184	169	199	181	167	194	178	165	189	175	171
	6	223	190	168	152	218	187	166	151	182	164	150	178	161	149	174	159	156
	7	208	174	152	137	204	172	151	136	168	149	135	164	147	134	160	145	142
	8	195	160	139	124	191	159	138	124	155	136	123	152	135	122	149	133	131
	9	183	148	127	113	179	147	127	113	144	125	112	141	124	112	138	123	120
	10	172	138	117	103	169	136	117	103	134	115	103	131	114	103	129	113	111

Cone of Light

Mtg Height	Light Level	Beam Diameter
5.5 ft	4.9 fc	10.2 ft
6.5 ft	3.5 fc	12.1 ft
7.5 ft	2.6 fc	14.0 ft
8.0 ft	2.3 fc	14.9 ft
10.0 ft	1.5 fc	18.6 ft
12.0 ft	1.0 fc	22.4 ft
14.0 ft	0.8 fc	26.1 ft
16.0 ft	0.6 fc	29.8 ft
20.0 ft	0.4 fc	37.3 ft
24.0 ft	0.3 fc	44.7 ft
28.0 ft	0.2 fc	52.2 ft

Average Luminaire Luminance [cd/m²]

	0.00°	45.00°	90.00°
0.00°	8,127	8,127	8,127
45.00°	4,904	4,904	4,904
55.00°	2,864	2,864	2,864
65.00°	1,781	1,781	1,781
75.00°	997	997	997
85.00°	714	714	714

**UGR CIE 190:2010**

Ceiling reflectance		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall reflectance		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Plane reflectance		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				
2H	2H	12.7	14.1	13.1	14.4	14.7	12.7	14.1	13.1	14.4	14.7
	3H	13.5	14.7	13.9	15.0	15.4	13.5	14.7	13.9	15.0	15.4
	4H	13.7	14.8	14.1	15.1	15.5	13.7	14.8	14.1	15.1	15.5
	6H	13.8	14.8	14.2	15.2	15.5	13.8	14.8	14.2	15.2	15.5
	8H	13.8	14.7	14.2	15.1	15.5	13.8	14.7	14.2	15.1	15.5
	12H	13.8	14.7	14.2	15.1	15.5	13.8	14.7	14.2	15.1	15.5
4H	2H	13.0	14.1	13.4	14.5	14.8	13.0	14.1	13.4	14.5	14.8
	3H	13.9	14.8	14.3	15.2	15.6	13.9	14.8	14.3	15.2	15.6
	4H	14.2	15.0	14.6	15.4	15.8	14.2	15.0	14.6	15.4	15.8
	6H	14.3	15.0	14.8	15.4	15.9	14.3	15.0	14.8	15.4	15.9
	8H	14.3	15.0	14.8	15.4	15.9	14.3	15.0	14.8	15.4	15.9
	12H	14.3	14.9	14.8	15.4	15.9	14.3	14.9	14.8	15.4	15.9
8H	4H	14.2	14.8	14.7	15.3	15.8	14.2	14.8	14.7	15.3	15.8
	6H	14.4	14.9	14.9	15.4	15.9	14.4	14.9	14.9	15.4	15.9
	8H	14.4	14.9	14.9	15.4	15.9	14.4	14.9	14.9	15.4	15.9
	12H	14.5	14.9	15.0	15.4	16.0	14.5	14.9	15.0	15.4	16.0
12H	4H	14.2	14.7	14.6	15.2	15.7	14.2	14.7	14.6	15.2	15.7
	6H	14.3	14.8	14.9	15.3	15.8	14.3	14.8	14.9	15.3	15.8
	8H	14.4	14.9	14.9	15.3	15.9	14.4	14.9	14.9	15.3	15.9

Corrected UGR values based on total output lumens

SHR = 1.0