

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00640_2_M-7L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 2/6/2018

[UPDATE] 2/7/2018

[LUMCAT] C0205XT-7L-xxK-MD-EX-SO-xx-MW

[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Medium Beam

[OTHER] Matte White finish

[OTHER] Solite Lens

[OTHER] 35.2 Degree Beam Angle

[LAMPCAT] N/A

[LAMP] N/A, 19mm LES

[OTHER] Total Luminaire Watts is approximate

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting, scaled from 13L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	519
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	6.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.60
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.20 ft (Diameter)
Luminous Width (90-270)	0.20 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10556	9079	9308
55	5338	4532	4423
65	5129	4092	4535
75	3554	2460	3140
85	3130	2376	2910

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093
5	1125.327	1137.171	1128.011	1132.250	1123.432	1127.786	1125.375	1133.016	1125.610	1136.050
10	958.918	966.058	959.821	961.266	954.594	958.114	953.469	962.001	958.137	968.780
15	719.285	713.889	714.355	711.319	712.423	714.471	712.403	718.977	715.560	718.856
20	480.178	469.398	471.518	467.203	472.582	473.358	471.670	476.551	471.658	468.787
25	292.714	283.562	285.086	281.590	286.616	286.629	285.450	286.580	281.290	276.994
30	164.515	156.725	159.059	156.450	159.633	159.279	155.080	156.065	151.725	148.694
35	84.742	80.118	80.092	78.424	79.682	80.483	76.033	78.594	75.328	74.386
40	42.194	38.800	38.216	35.821	38.261	39.030	37.029	38.126	36.745	35.028
45	21.806	19.882	18.754	16.738	19.228	18.736	18.449	19.206	18.681	17.378
50	12.752	10.912	10.325	9.328	10.416	11.084	11.425	11.391	9.781	10.419
55	8.944	8.359	7.594	6.738	7.411	8.771	8.292	7.808	7.917	7.262
60	7.173	7.524	6.544	6.041	6.763	7.221	6.565	6.252	6.648	6.277
65	6.332	6.445	5.052	4.950	5.599	5.209	5.691	4.885	5.016	5.113
70	3.845	3.912	4.004	3.584	3.917	3.996	3.634	4.012	3.341	3.221
75	2.687	2.330	1.860	1.761	2.374	2.268	2.268	2.136	2.378	2.250
80	0.999	1.092	0.966	0.998	1.115	0.997	0.889	1.443	1.294	1.258
85	0.797	0.579	0.605	0.885	0.741	0.927	0.959	0.737	0.956	0.904
90	0.000	0.000	0.000	0.000	0.000	0.730	1.054	0.792	0.671	0.680
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093	1186.093
5	1129.550	1135.409	1123.521	1129.034	1124.934	1134.878	1125.327
10	961.274	967.041	954.747	960.137	957.650	963.228	958.918
15	711.201	710.889	709.958	712.108	717.287	717.526	719.285
20	461.916	456.517	465.764	465.216	478.430	475.062	480.178
25	269.809	265.831	275.103	275.131	289.811	288.350	292.714
30	143.216	141.876	148.181	147.935	160.155	160.251	164.515
35	68.222	67.980	72.051	74.525	80.852	81.403	84.742
40	31.271	31.756	34.520	35.673	38.979	40.064	42.194
45	14.475	15.577	17.706	18.644	20.001	19.804	21.806

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES

CANDELA TABULATION - (Cont.)

50	8.793	9.835	10.699	11.144	11.667	10.948	12.752
55	6.721	6.875	7.958	8.248	8.352	7.719	8.944
60	6.039	5.658	6.367	5.988	6.331	6.177	7.173
65	4.085	4.506	5.024	4.975	4.910	5.605	6.332
70	3.748	3.415	3.885	3.412	3.811	4.216	3.845
75	1.989	1.839	2.132	2.109	2.512	1.999	2.687
80	0.955	1.028	1.092	1.424	1.269	0.940	0.999
85	0.853	0.585	0.755	0.748	0.705	0.830	0.797
90	0.661	0.881	0.864	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	299.43	N.A.	57.70
0-30	433.53	N.A.	83.60
0-40	486.62	N.A.	93.80
0-60	510.09	N.A.	98.40
0-80	517.63	N.A.	99.80
0-90	518.47	N.A.	100.00
10-90	416.03	N.A.	80.20
20-40	187.20	N.A.	36.10
20-50	203.34	N.A.	39.20
40-70	28.58	N.A.	5.50
60-80	7.54	N.A.	1.50
70-80	2.43	N.A.	0.50
80-90	0.84	N.A.	0.20
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	518.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	102.44
10-20	196.99
20-30	134.10
30-40	53.09
40-50	16.14
50-60	7.32
60-70	5.11
70-80	2.43
80-90	0.84
90-100	0.11
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES

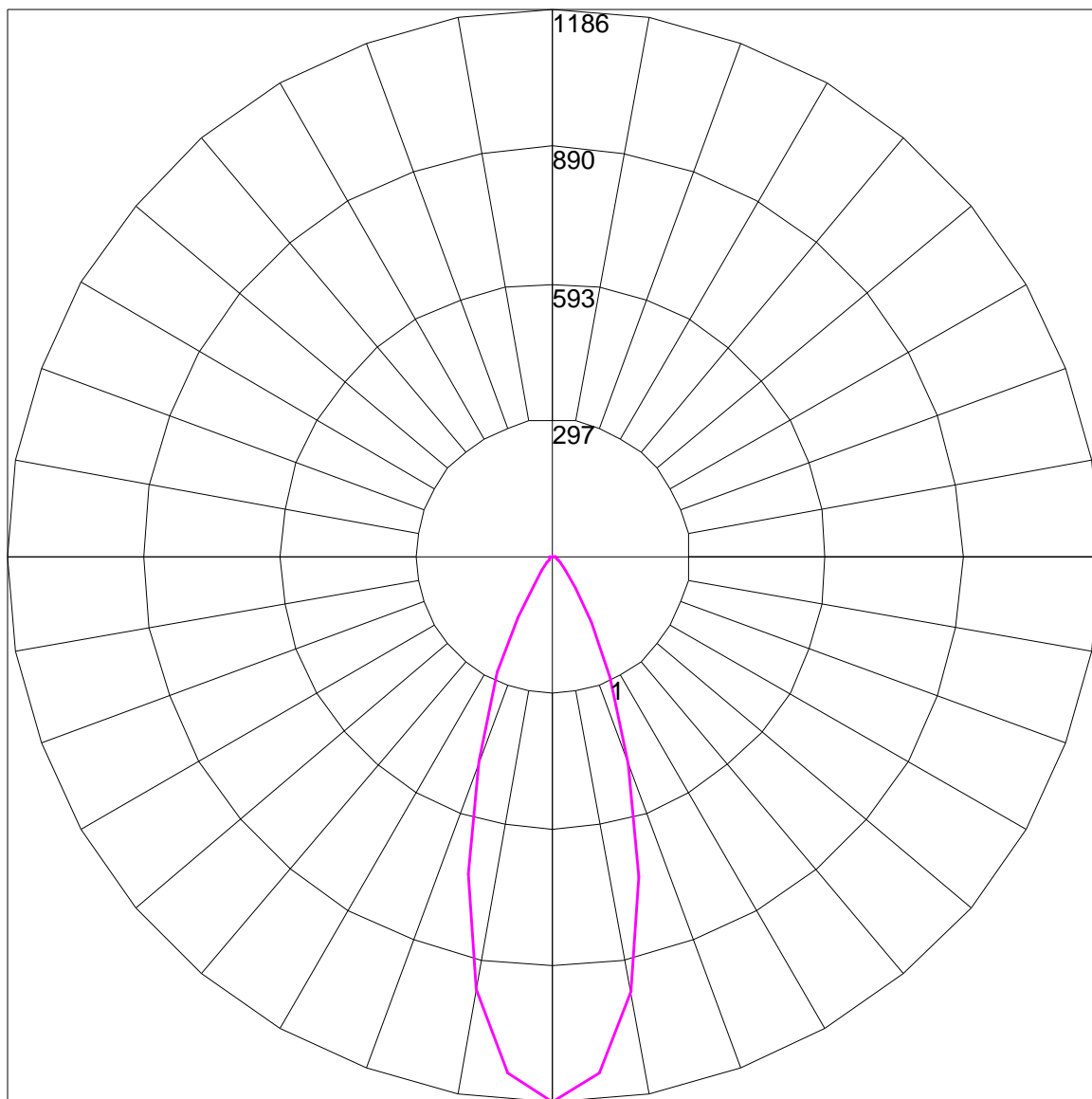
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	70	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-7LXXK-MDEX-SOXXMW.IES

POLAR GRAPH



Maximum Candela = 1186.093 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)