

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

IESNA:LM-63-2002
[TEST] SP-00640_M-7L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-7L-xxK-MD-EX-GL-xx-MW
[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Medium Beam
[OTHER] Matte White finish
[OTHER] Clear Glass Lens
[OTHER] 34.8 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	511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
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)	0.58
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 ~ C0205XT-7LXXK-MDEX-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2232	2848	3524
55	2310	2144	2814
65	2310	2288	2837
75	1915	2588	2214
85	2415	2278	2443

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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	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133
5	1230.881	1227.104	1239.544	1227.009	1230.713	1220.693	1219.967	1219.981	1226.160	1226.655
10	1070.313	1063.463	1086.237	1064.559	1071.262	1054.339	1056.479	1057.752	1074.035	1073.582
15	769.427	773.843	773.267	773.018	766.806	765.189	770.558	767.137	783.367	783.464
20	471.626	484.235	475.331	480.459	463.614	473.865	476.672	471.054	477.693	481.050
25	274.785	279.572	274.985	280.210	271.486	274.292	272.903	268.426	267.577	269.824
30	144.231	147.441	144.672	148.801	142.198	143.046	140.672	134.156	136.341	137.886
35	61.138	61.624	61.962	63.049	55.944	56.535	55.001	50.104	53.354	53.783
40	17.762	19.452	16.940	20.383	16.156	17.967	16.619	14.862	14.886	15.980
45	4.610	6.329	5.884	7.227	7.280	7.225	6.902	6.456	5.496	6.549
50	4.359	4.301	4.996	5.302	4.681	4.856	4.764	4.856	3.734	4.496
55	3.871	3.664	3.592	4.453	4.716	3.655	3.466	3.152	3.372	3.633
60	3.664	3.270	3.009	3.507	4.043	3.744	3.027	3.090	3.289	2.887
65	2.852	2.628	2.825	2.677	3.503	3.151	2.923	2.691	2.547	2.484
70	2.031	2.500	2.600	2.548	2.652	2.283	2.265	2.198	2.060	2.203
75	1.448	1.640	1.957	1.931	1.674	1.538	1.794	1.685	1.081	1.401
80	1.099	0.876	0.914	1.107	0.706	0.911	0.806	0.841	0.783	0.876
85	0.615	0.639	0.580	0.931	0.622	0.704	0.664	0.680	0.592	0.422
90	0.625	0.591	0.677	0.526	0.456	0.000	0.000	0.000	0.000	0.000
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. 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	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133	1264.133
5	1231.979	1223.990	1223.853	1216.336	1220.046	1220.911	1230.881
10	1087.174	1069.061	1072.243	1054.469	1055.492	1058.998	1070.313
15	788.467	780.246	776.673	767.451	762.662	773.213	769.427
20	476.480	480.552	472.349	473.759	468.026	479.735	471.626
25	263.327	267.575	265.555	267.528	267.934	275.703	274.785
30	134.713	135.098	134.661	135.565	135.921	146.285	144.231
35	55.067	54.368	53.878	53.227	52.377	62.124	61.138
40	15.445	17.288	16.384	16.756	17.949	20.658	17.762
45	7.037	8.186	7.688	7.669	8.035	8.342	4.610

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CANDELA TABULATION - (Cont.)

50	4.785	5.534	5.179	4.973	4.820	5.419	4.359
55	3.550	3.896	3.818	4.281	3.505	4.405	3.871
60	2.638	2.778	3.094	3.280	2.902	3.024	3.664
65	2.386	2.983	3.230	2.679	2.117	2.323	2.852
70	2.368	2.100	2.215	2.208	3.126	1.945	2.031
75	1.514	1.849	1.749	1.818	1.933	1.992	1.448
80	0.853	0.963	0.937	1.092	0.845	0.833	1.099
85	0.730	0.845	0.617	0.607	0.694	0.686	0.615
90	0.000	0.000	0.000	0.974	0.562	0.868	0.625
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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	323.85	N.A.	63.40
0-30	454.24	N.A.	88.90
0-40	495.48	N.A.	96.90
0-60	505.82	N.A.	99.00
0-80	510.30	N.A.	99.80
0-90	511.00	N.A.	100.00
10-90	399.24	N.A.	78.10
20-40	171.63	N.A.	33.60
20-50	178.48	N.A.	34.90
40-70	13.08	N.A.	2.60
60-80	4.48	N.A.	0.90
70-80	1.74	N.A.	0.30
80-90	0.70	N.A.	0.10
90-110	0.09	N.A.	0.00
90-120	0.09	N.A.	0.00
90-130	0.09	N.A.	0.00
90-150	0.09	N.A.	0.00
90-180	0.09	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	511.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.76
10-20	212.08
20-30	130.39
30-40	41.24
40-50	6.85
50-60	3.50
60-70	2.73
70-80	1.74
80-90	0.70
90-100	0.09
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

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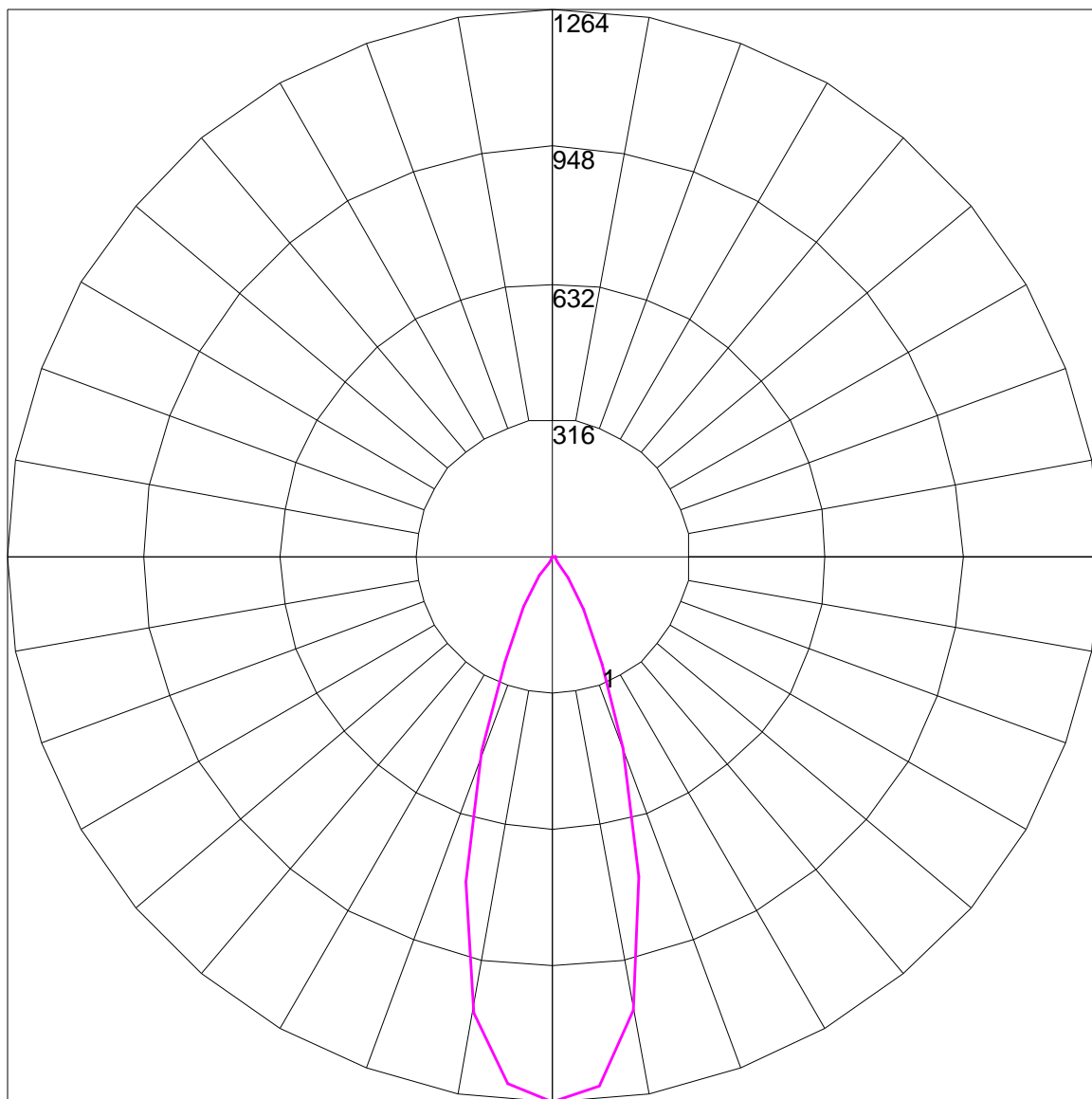
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90
3	105	100	96	92	104	99	95	92	96	93	90	94	91	89	92	89	88	86
4	101	95	90	87	100	94	90	86	92	88	85	90	87	84	88	86	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	79
6	94	87	82	78	93	86	81	78	84	80	77	83	80	77	82	79	76	75
7	90	83	78	74	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	71	76	73	70	69
9	84	76	72	68	83	76	71	68	75	71	68	74	70	68	74	70	68	66
10	81	73	69	66	81	73	69	65	72	68	65	72	68	65	71	68	65	64

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POLAR GRAPH



Maximum Candela = 1264.133 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)