

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640 ~ C0205XT-13LXXK-MDEX-GLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-13L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	923
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	13
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-13LXXK-MDEX-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4029	5142	6361
55	4170	3870	5080
65	4170	4130	5122
75	3456	4671	3997
85	4360	4112	4407

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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	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829
5	2221.807	2214.989	2237.444	2214.818	2221.503	2203.416	2202.106	2202.132	2213.285	2214.179
10	1931.973	1919.609	1960.717	1921.587	1933.686	1903.139	1907.002	1909.299	1938.692	1937.874
15	1388.857	1396.829	1395.789	1395.340	1384.126	1381.207	1390.898	1384.724	1414.020	1414.194
20	851.311	874.070	857.998	867.255	836.848	855.352	860.419	850.278	862.261	868.321
25	496.001	504.642	496.363	505.795	490.047	495.112	492.605	484.524	482.991	487.047
30	260.345	266.139	261.140	268.594	256.675	258.206	253.921	242.158	246.102	248.891
35	110.358	111.235	111.844	113.807	100.982	102.049	99.280	90.441	96.306	97.082
40	32.061	35.112	30.577	36.792	29.163	32.431	29.998	26.826	26.870	28.845
45	8.322	11.425	10.621	13.045	13.141	13.041	12.459	11.654	9.920	11.822
50	7.869	7.764	9.018	9.571	8.449	8.766	8.600	8.766	6.740	8.115
55	6.987	6.614	6.484	8.038	8.512	6.597	6.256	5.690	6.087	6.557
60	6.614	5.903	5.431	6.330	7.297	6.758	5.463	5.578	5.936	5.211
65	5.148	4.744	5.099	4.832	6.324	5.687	5.277	4.857	4.598	4.484
70	3.666	4.512	4.694	4.599	4.787	4.121	4.088	3.967	3.719	3.976
75	2.613	2.961	3.532	3.485	3.022	2.777	3.238	3.042	1.952	2.528
80	1.984	1.582	1.650	1.998	1.274	1.645	1.455	1.518	1.414	1.582
85	1.110	1.153	1.047	1.681	1.122	1.271	1.198	1.228	1.069	0.761
90	1.129	1.067	1.222	0.949	0.823	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. 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	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829	2281.829
5	2223.788	2209.369	2209.120	2195.552	2202.249	2203.810	2221.807
10	1962.407	1929.713	1935.457	1903.373	1905.220	1911.548	1931.973
15	1423.226	1408.387	1401.936	1385.290	1376.646	1395.692	1388.857
20	860.073	867.422	852.616	855.160	844.812	865.948	851.311
25	475.319	482.988	479.342	482.903	483.635	497.659	496.001
30	243.165	243.860	243.071	244.702	245.345	264.052	260.345
35	99.399	98.137	97.253	96.077	94.543	112.137	110.358
40	27.879	31.206	29.574	30.245	32.399	37.288	32.061
45	12.703	14.777	13.877	13.843	14.504	15.057	8.322

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CANDELA TABULATION - (Cont.)

50	8.637	9.989	9.348	8.977	8.701	9.782	7.869
55	6.408	7.032	6.891	7.728	6.326	7.951	6.987
60	4.761	5.014	5.585	5.921	5.239	5.459	6.614
65	4.306	5.385	5.831	4.835	3.821	4.194	5.148
70	4.275	3.790	3.999	3.985	5.643	3.510	3.666
75	2.733	3.338	3.157	3.282	3.489	3.596	2.613
80	1.539	1.738	1.691	1.972	1.526	1.504	1.984
85	1.317	1.525	1.113	1.095	1.252	1.238	1.110
90	0.000	0.000	0.000	1.759	1.014	1.567	1.129
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	584.56	N.A.	63.40
0-30	819.92	N.A.	88.90
0-40	894.37	N.A.	96.90
0-60	913.04	N.A.	99.00
0-80	921.12	N.A.	99.80
0-90	922.38	N.A.	100.00
10-90	720.65	N.A.	78.10
20-40	309.81	N.A.	33.60
20-50	322.16	N.A.	34.90
40-70	23.61	N.A.	2.60
60-80	8.08	N.A.	0.90
70-80	3.15	N.A.	0.30
80-90	1.26	N.A.	0.10
90-110	0.16	N.A.	0.00
90-120	0.16	N.A.	0.00
90-130	0.16	N.A.	0.00
90-150	0.16	N.A.	0.00
90-180	0.16	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	922.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	201.73
10-20	382.82
20-30	235.36
30-40	74.44
40-50	12.36
50-60	6.31
60-70	4.93
70-80	3.15
80-90	1.26
90-100	0.16
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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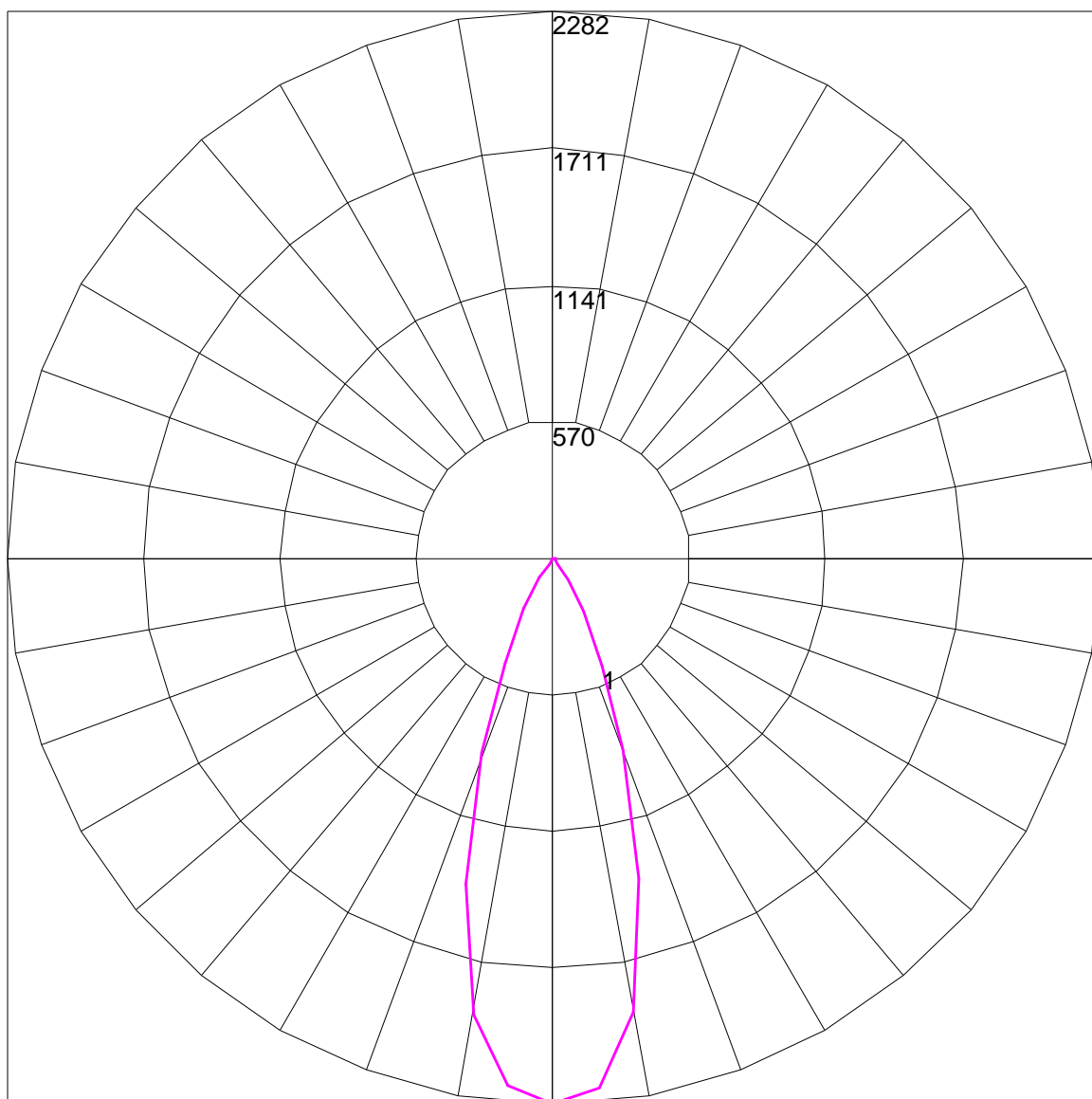
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	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	83	82
5	97	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	78
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	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	69	66	80	73	69	65	72	68	65	72	68	65	71	67	65	64

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POLAR GRAPH



Maximum Candela = 2281.829 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)