

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_7 ~ C0205XT-13LXXK-XNEX-NLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640_7
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-13L-xxK-XN-EX-NL-xx-MW
[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Xtra Narrow Beam
[OTHER] Matte White finish
[OTHER] No Lens
[OTHER] 15.2 Degree Beam Angle
[LAMPCAT] N/A
[LAMP] N/A, 9mm 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	858
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	18.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.26
Spacing Criterion (Diagonal)	0.28
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_7 ~ C0205XT-13LXXK-XNEX-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9932	8719	8741
55	13822	12900	13068
65	13693	12463	11702
75	7630	7274	6893
85	6744	4980	6190

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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	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215
5	4246.800	4286.438	4242.618	4204.598	4106.580	4435.071	4193.292	4286.545	4262.821	4313.148
10	1790.172	1608.676	1691.153	1563.070	1661.204	1779.057	1818.562	1803.230	1865.472	1776.330
15	697.831	623.690	667.245	621.926	672.870	677.027	720.942	691.603	715.932	664.275
20	477.440	469.802	476.546	470.119	476.626	472.707	478.121	468.871	476.310	469.005
25	414.787	420.316	399.564	408.151	392.619	368.882	377.028	386.536	392.265	410.715
30	217.357	196.925	170.007	174.639	167.064	174.044	178.837	197.333	209.144	236.055
35	59.114	32.912	38.172	32.944	39.581	38.939	46.671	39.537	52.780	48.099
40	22.965	21.279	20.254	20.656	18.686	18.785	20.212	17.901	21.500	20.560
45	20.516	20.254	18.011	15.211	18.056	17.031	18.163	16.431	18.198	19.042
50	22.427	20.556	20.051	17.610	17.854	18.853	18.699	18.776	19.841	20.841
55	23.161	22.645	21.615	19.484	21.897	20.616	19.349	21.530	21.648	23.548
60	21.947	18.250	19.353	17.601	23.391	19.555	18.489	19.064	20.337	21.766
65	16.906	17.330	15.387	14.899	14.448	15.548	14.478	15.228	17.434	16.473
70	15.510	10.960	9.455	12.642	11.755	10.646	11.082	12.267	12.793	12.259
75	5.769	5.446	5.500	4.753	5.212	5.241	4.800	6.004	5.755	6.614
80	1.733	2.029	1.245	1.459	2.038	2.010	2.000	1.574	2.531	3.008
85	1.717	1.477	1.268	2.125	1.576	1.608	1.888	2.052	2.106	1.584
90	0.000	0.000	0.000	0.000	0.000	1.533	1.578	1.909	1.141	1.064
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	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215	6004.215
5	4335.057	4242.976	4181.932	4245.184	4244.786	4165.655	4246.800
10	1829.196	1701.217	1754.669	1795.234	1785.878	1697.693	1790.172
15	694.294	653.136	679.602	711.263	689.299	674.979	697.831
20	475.957	472.655	476.453	485.693	476.613	478.982	477.440
25	413.670	420.010	410.734	428.987	415.393	425.103	414.787
30	254.449	251.417	251.992	254.845	248.793	232.108	217.357
35	63.919	55.661	68.692	75.952	76.663	53.450	59.114
40	21.876	21.270	22.195	22.965	22.881	20.385	22.965
45	20.338	18.963	19.102	18.927	20.227	21.220	20.516

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50	23.282	19.530	20.264	20.518	21.234	22.447	22.427
55	23.569	22.749	23.455	25.646	23.664	23.341	23.161
60	21.788	23.722	23.346	23.872	22.236	23.244	21.947
65	18.629	20.031	19.386	18.945	18.328	16.925	16.906
70	14.123	14.949	14.194	15.426	14.096	13.762	15.510
75	7.328	7.106	7.076	6.710	7.813	6.479	5.769
80	3.032	2.781	3.104	1.937	2.658	2.048	1.733
85	2.097	1.243	1.741	1.378	1.653	1.043	1.717
90	1.588	1.118	1.580	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	575.87	N.A.	67.10
0-30	746.51	N.A.	87.00
0-40	797.58	N.A.	93.00
0-60	832.08	N.A.	97.00
0-80	856.04	N.A.	99.80
0-90	857.74	N.A.	100.00
10-90	520.72	N.A.	60.70
20-40	221.72	N.A.	25.80
20-50	236.91	N.A.	27.60
40-70	51.28	N.A.	6.00
60-80	23.96	N.A.	2.80
70-80	7.18	N.A.	0.80
80-90	1.70	N.A.	0.20
90-110	0.20	N.A.	0.00
90-120	0.20	N.A.	0.00
90-130	0.20	N.A.	0.00
90-150	0.20	N.A.	0.00
90-180	0.20	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	857.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	337.03
10-20	238.84
20-30	170.64
30-40	51.08
40-50	15.20
50-60	19.30
60-70	16.78
70-80	7.18
80-90	1.70
90-100	0.20
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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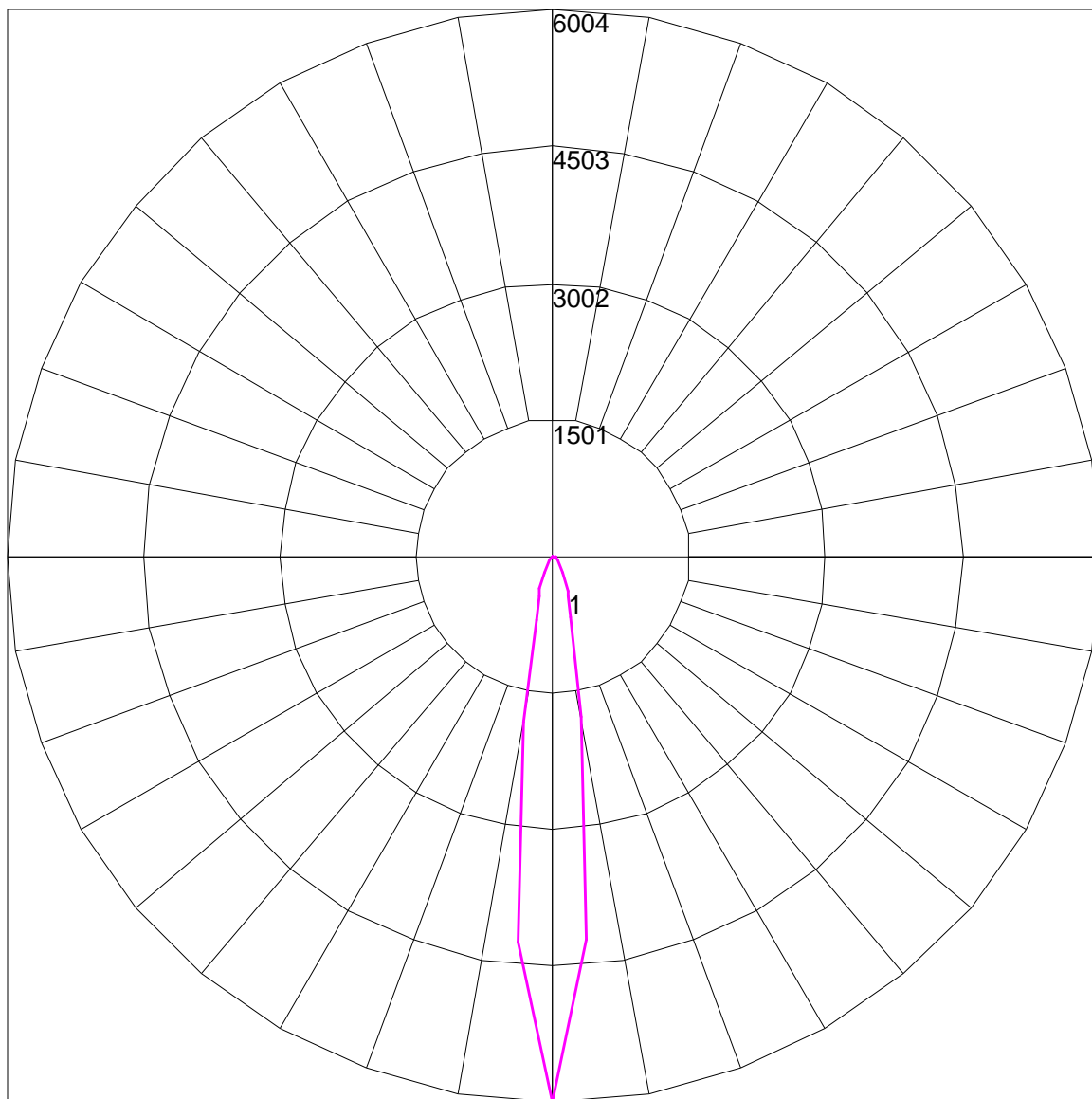
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 6004.215 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)