

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_6 ~ C0205XT-13LXXK-XNEX-GLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640_6
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-13L-xxK-XN-EX-GL-xx-MW
[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Xtra Narrow Beam
[OTHER] Matte White finish
[OTHER] Clear Glass Lens
[OTHER] 15.3 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	794
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	18.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
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_6 ~ C0205XT-13LXXK-XNEX-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9156	8807	8429
55	9960	9697	10775
65	8961	7578	7196
75	7330	4609	5531
85	4854	3260	7026

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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	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287
5	3855.422	3958.073	3815.699	3811.561	3705.941	4041.379	3743.596	3848.009	3827.020	3847.024
10	1657.207	1478.777	1555.615	1404.645	1553.975	1615.113	1648.353	1615.945	1720.405	1555.807
15	649.015	582.089	624.301	575.300	637.991	625.311	671.951	633.618	689.791	605.800
20	438.764	431.329	434.714	429.891	440.051	429.351	440.384	434.031	446.762	435.896
25	383.412	379.270	374.404	380.452	369.492	348.270	361.205	366.090	366.171	394.123
30	225.154	212.480	181.626	194.039	185.764	185.575	186.175	198.769	201.833	244.614
35	69.009	44.716	40.917	38.210	49.668	46.686	52.791	50.478	68.877	55.052
40	21.728	21.895	19.555	18.773	18.476	20.411	21.933	30.402	39.610	21.709
45	18.913	20.076	18.192	16.908	17.411	18.078	23.012	33.486	29.672	19.961
50	15.888	19.260	15.522	16.815	15.304	16.588	20.681	28.231	20.383	19.658
55	16.689	16.440	16.248	15.123	18.055	17.225	18.353	21.777	20.529	17.694
60	16.524	14.368	13.097	14.098	14.009	15.096	16.384	17.080	18.554	15.592
65	11.063	10.375	9.356	10.837	8.884	10.252	10.734	12.422	11.664	11.898
70	8.497	6.699	6.735	6.354	8.825	6.683	8.370	8.185	8.672	8.988
75	5.542	3.533	3.485	3.093	4.182	2.582	4.668	4.795	5.999	4.293
80	2.382	2.288	2.658	1.435	1.525	1.908	1.963	2.227	2.486	1.846
85	1.236	1.053	0.830	1.571	1.789	1.666	1.694	1.306	1.526	1.306
90	0.000	0.000	0.000	0.000	0.000	1.197	1.192	1.543	1.480	1.435
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	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287	5402.287
5	3903.841	3793.774	3751.901	3791.311	3860.737	3772.392	3855.422
10	1685.181	1538.671	1623.141	1607.582	1646.362	1483.400	1657.207
15	657.268	610.279	641.168	657.436	641.125	598.969	649.015
20	441.439	437.667	445.361	447.501	440.972	432.855	438.764
25	387.999	386.825	390.776	400.088	388.048	399.151	383.412
30	263.711	239.585	256.524	261.229	256.003	240.812	225.154
35	86.450	68.190	85.447	81.545	95.618	51.108	69.009
40	30.803	33.274	25.075	27.987	36.220	21.606	21.728
45	22.003	22.051	19.959	19.848	28.077	20.416	18.913

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CANDELA TABULATION - (Cont.)

50	19.026	19.903	19.229	18.003	23.246	19.675	15.888
55	17.490	18.630	19.818	21.003	23.021	19.239	16.689
60	15.958	16.037	18.285	20.444	19.836	18.211	16.524
65	12.431	11.387	13.347	12.246	14.067	11.966	11.063
70	9.305	9.609	9.479	7.862	10.291	9.047	8.497
75	4.737	6.226	6.755	5.051	6.209	4.409	5.542
80	2.593	2.408	2.122	2.266	2.310	2.217	2.382
85	1.302	1.403	1.382	1.802	1.419	1.470	1.236
90	1.429	1.411	1.561	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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Zone	Lumens	%Lamp	%Fixt
0-20	524.00	N.A.	66.00
0-30	685.76	N.A.	86.40
0-40	741.89	N.A.	93.40
0-60	775.25	N.A.	97.60
0-80	792.31	N.A.	99.80
0-90	793.86	N.A.	100.00
10-90	489.57	N.A.	61.70
20-40	217.89	N.A.	27.40
20-50	234.94	N.A.	29.60
40-70	45.16	N.A.	5.70
60-80	17.05	N.A.	2.10
70-80	5.26	N.A.	0.70
80-90	1.56	N.A.	0.20
90-110	0.19	N.A.	0.00
90-120	0.19	N.A.	0.00
90-130	0.19	N.A.	0.00
90-150	0.19	N.A.	0.00
90-180	0.19	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	794.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	304.29
10-20	219.71
20-30	161.77
30-40	56.13
40-50	17.04
50-60	16.32
60-70	11.79
70-80	5.26
80-90	1.56
90-100	0.19
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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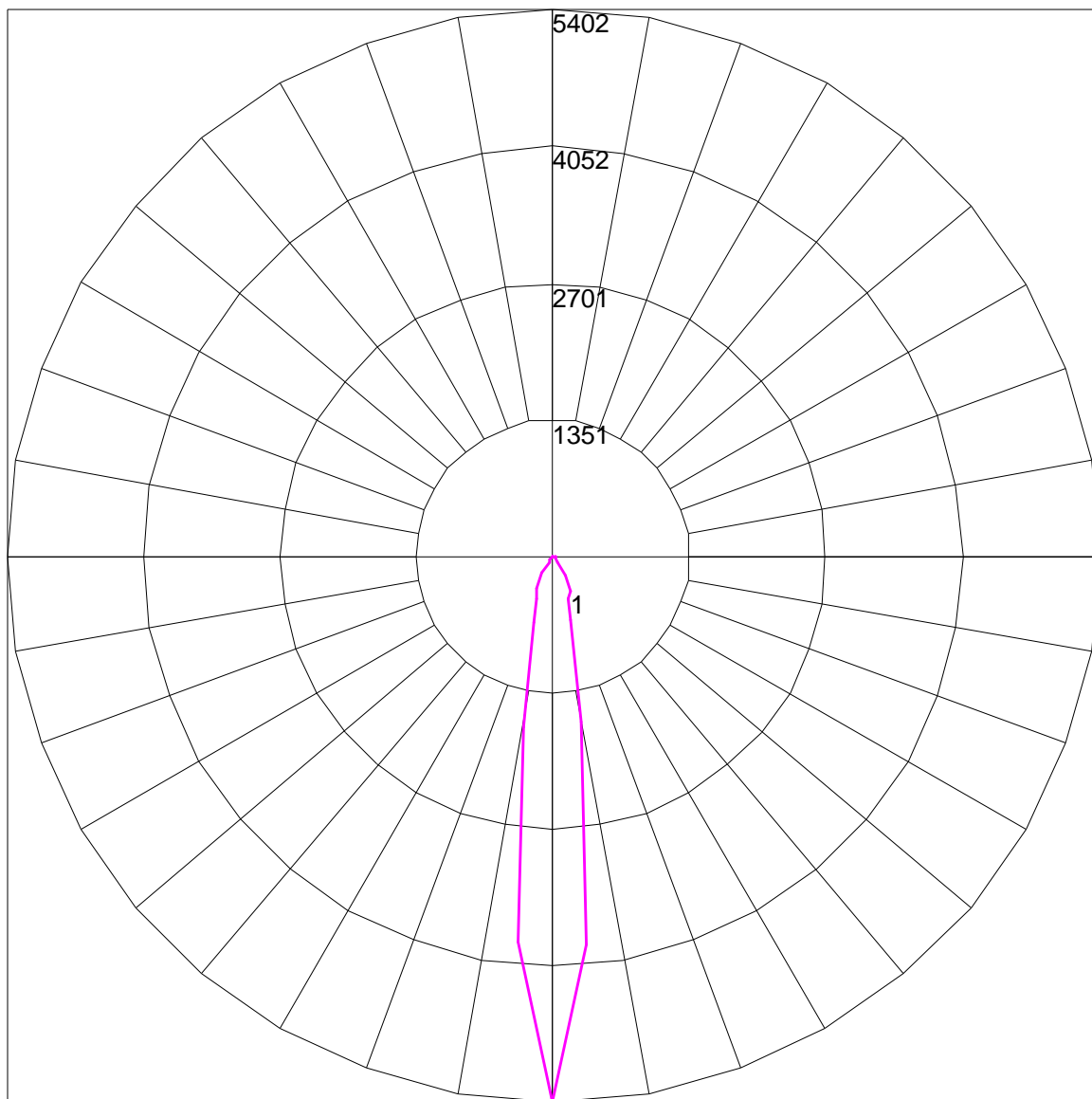
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	101	97	93	104	99	96	93	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	87	84	97	91	87	84	89	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	83	80	85	82	79	84	81	79	78
7	92	85	81	77	91	85	80	77	84	80	77	82	79	76	81	78	76	75
8	90	82	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

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POLAR GRAPH



Maximum Candela = 5402.287 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)