

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00640_5 ~ C0205XT-7LXXK-WDEX-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00640_5_M-7L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/6/2018
 [UPDATE] 2/7/2018
 [LUMCAT] C0205XT-7L-xxK-WD-EX-SO-xx-MW
 [LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Wide Beam
 [OTHER] Matte White finish
 [OTHER] Solite Lens
 [OTHER] 48.5 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	513
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	6.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.78
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_5 ~ C0205XT-7LXXK-WDEX-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20641	18187	18231
55	7660	6331	6599
65	5644	4401	4510
75	3216	2698	3309
85	3865	2612	3016

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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	701.062	701.062	701.062	701.062	701.062	701.062	701.062	701.062	701.062	701.062
5	684.389	683.045	685.422	681.811	681.655	682.710	682.031	679.898	683.732	683.670
10	629.227	629.430	631.267	627.520	626.124	625.268	623.328	623.746	629.976	631.320
15	541.948	544.505	545.915	541.425	539.605	536.653	536.650	538.901	544.682	547.293
20	439.551	442.185	441.608	438.438	436.104	433.744	431.994	436.549	442.562	443.370
25	334.719	336.319	335.721	333.090	329.091	323.984	325.214	328.581	333.835	336.257
30	233.038	234.975	233.344	231.249	227.178	222.687	221.473	227.133	231.686	235.004
35	146.686	148.496	145.290	143.272	141.646	138.319	136.342	143.586	145.347	147.207
40	83.665	83.222	79.679	77.987	78.808	77.879	76.726	82.509	82.492	83.094
45	42.638	41.780	37.570	37.237	37.661	38.204	39.586	41.920	40.414	40.917
50	21.979	21.479	17.797	17.012	18.165	19.095	19.856	21.132	21.284	20.565
55	12.835	12.673	10.609	9.525	11.057	11.392	11.828	12.257	12.730	12.344
60	8.853	9.068	7.484	7.031	7.882	8.077	8.240	8.743	8.825	8.788
65	6.968	6.459	5.433	5.307	5.568	6.009	5.410	6.550	6.724	7.134
70	4.231	3.941	4.026	3.915	4.059	4.289	4.514	4.168	4.267	4.448
75	2.432	2.331	2.040	2.128	2.502	2.376	2.681	2.336	2.850	2.609
80	1.226	1.164	0.832	1.010	1.323	0.900	1.173	1.541	0.791	1.435
85	0.984	0.665	0.665	1.041	0.768	0.845	0.792	0.958	1.256	0.989
90	0.944	1.003	0.916	0.842	0.680	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	701.062	701.062	701.062	701.062	701.062	701.062	701.062
5	686.416	682.750	681.621	681.495	682.410	679.393	684.389
10	633.490	628.797	626.950	624.706	624.066	622.304	629.227
15	547.482	543.049	539.489	537.032	534.937	536.076	541.948
20	443.613	440.094	436.102	432.621	430.741	434.298	439.551
25	335.032	332.735	328.580	325.265	325.496	329.105	334.719
30	232.863	230.426	227.009	224.193	222.926	228.437	233.038
35	143.446	142.249	140.168	140.048	139.296	144.277	146.686
40	77.855	79.221	79.942	80.142	79.729	82.467	83.665
45	37.690	39.160	40.222	41.532	39.716	43.201	42.638

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50	17.989	19.227	20.651	21.510	21.179	21.915	21.979
55	10.282	11.640	12.192	13.316	12.570	12.840	12.835
60	7.458	8.385	8.935	9.226	8.162	8.539	8.853
65	6.641	5.824	6.394	7.033	5.857	6.312	6.968
70	4.775	5.240	4.743	5.283	4.475	4.500	4.231
75	2.718	3.104	3.001	3.217	2.884	2.801	2.432
80	1.482	1.315	1.409	1.682	1.459	1.186	1.226
85	0.977	0.888	0.741	1.029	0.926	1.044	0.984
90	0.000	0.000	0.000	0.834	0.809	0.906	0.944
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	213.37	N.A.	41.60
0-30	364.81	N.A.	71.10
0-40	456.81	N.A.	89.00
0-60	502.83	N.A.	98.00
0-80	511.95	N.A.	99.80
0-90	512.91	N.A.	100.00
10-90	449.50	N.A.	87.60
20-40	243.44	N.A.	47.50
20-50	277.84	N.A.	54.20
40-70	52.27	N.A.	10.20
60-80	9.12	N.A.	1.80
70-80	2.88	N.A.	0.60
80-90	0.95	N.A.	0.20
90-110	0.12	N.A.	0.00
90-120	0.12	N.A.	0.00
90-130	0.12	N.A.	0.00
90-150	0.12	N.A.	0.00
90-180	0.12	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	513.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	63.40
10-20	149.96
20-30	151.45
30-40	91.99
40-50	34.40
50-60	11.62
60-70	6.24
70-80	2.88
80-90	0.95
90-100	0.12
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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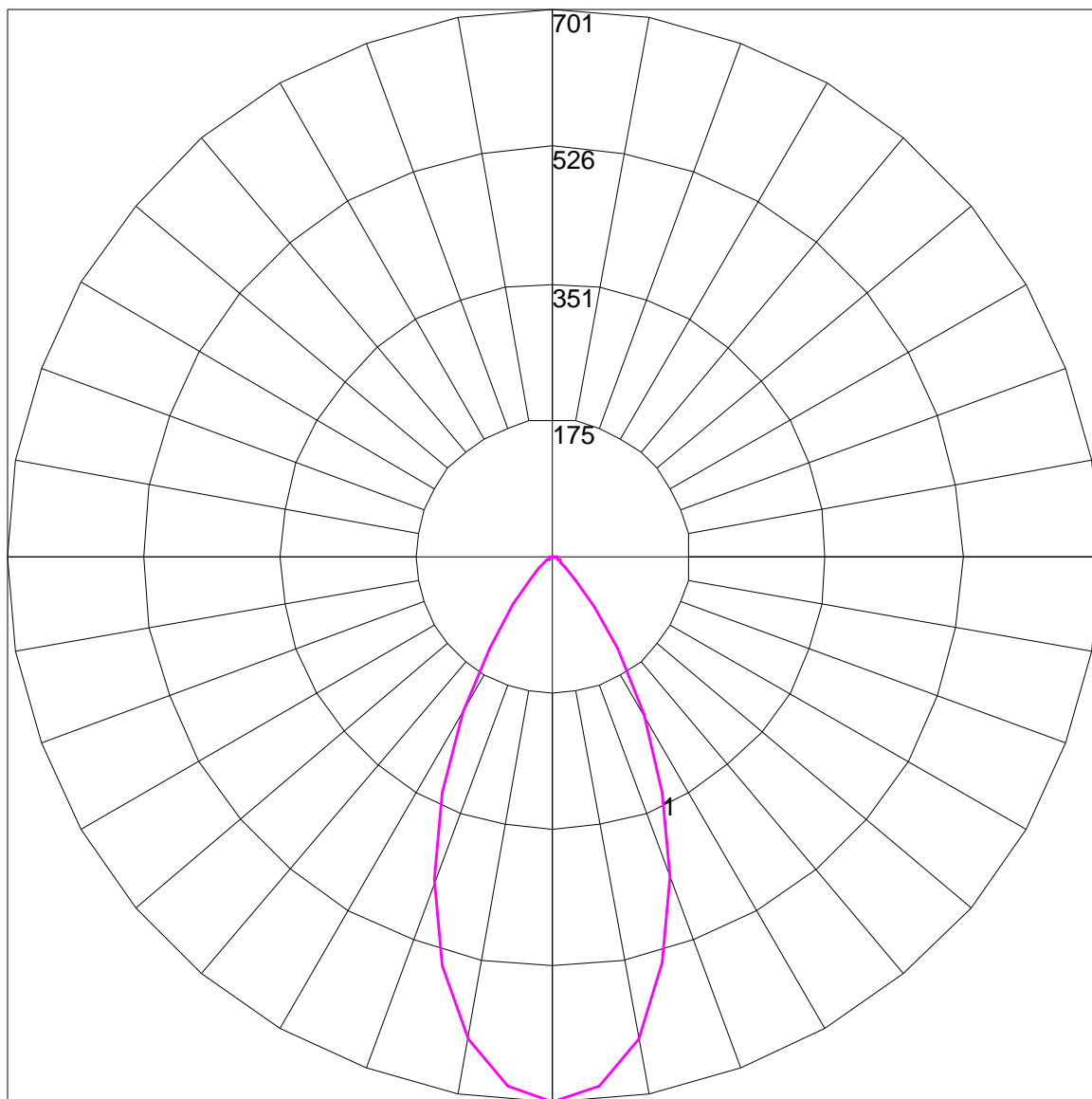
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93
2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86
3	102	96	91	87	100	94	90	86	92	88	84	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	90	83	77	73	81	76	73	79	75	72	78	74	71	70
6	88	79	73	68	86	78	72	68	76	71	68	75	71	67	74	70	67	65
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61
8	79	70	64	60	78	69	64	60	68	63	60	67	63	59	66	62	59	58
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51

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POLAR GRAPH



Maximum Candela = 701.062 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)