

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_4 ~ C0205XT-10LXXK-WDEX-NLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640_4_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-10L-xxK-WD-EX-NL-xx-MW
[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Wide Beam
[OTHER] Matte White finish
[OTHER] No Lens
[OTHER] 48.1 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	706
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	9.1
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_4 ~ C0205XT-10LXXK-WDEX-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7687	7003	6529
55	3598	5044	4604
65	2975	3845	3651
75	3863	3421	5040
85	5047	3507	4305

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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	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113
5	1027.470	1023.369	1020.006	1013.728	1014.383	1007.170	1007.149	1011.369	1023.303	1027.666
10	956.153	951.668	950.380	941.504	940.472	927.329	923.743	935.116	953.293	961.644
15	807.085	814.175	815.682	809.648	810.436	799.360	795.463	802.889	819.420	826.641
20	649.109	657.546	656.914	653.895	646.406	642.130	636.232	642.082	649.812	659.398
25	492.603	496.527	498.590	493.900	492.566	481.956	477.464	480.786	491.211	496.512
30	327.782	338.112	339.905	335.011	331.448	319.134	317.112	320.843	331.061	338.790
35	185.950	195.876	194.006	189.274	183.997	177.141	175.246	178.632	190.881	198.226
40	92.182	91.572	89.101	85.769	84.296	81.102	78.321	85.173	87.526	92.796
45	15.880	19.748	14.467	20.695	13.487	21.975	24.250	22.446	25.574	28.899
50	7.787	8.312	8.766	7.850	7.619	8.067	7.985	8.175	7.692	8.483
55	6.029	6.093	8.452	6.701	7.715	8.255	7.289	7.153	6.810	6.583
60	5.279	5.596	6.018	5.649	6.969	5.831	5.771	6.409	5.914	5.617
65	3.673	3.778	4.747	4.487	4.507	4.177	4.643	4.752	4.318	4.146
70	3.830	3.398	3.305	3.829	4.330	4.062	4.474	4.033	4.442	3.994
75	2.921	2.534	2.587	3.223	3.811	3.369	3.200	3.363	3.522	2.972
80	1.411	1.400	1.511	1.179	1.477	1.377	1.330	1.421	1.194	1.701
85	1.285	1.144	0.893	0.936	1.096	1.262	1.082	1.309	1.234	0.919
90	1.040	1.075	1.195	0.864	1.202	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	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113	1043.113
5	1030.571	1030.601	1030.997	1023.051	1022.722	1020.864	1027.470
10	965.766	960.754	959.937	942.908	939.402	940.045	956.153
15	828.478	820.049	813.184	798.492	792.408	797.665	807.085
20	659.350	654.489	646.050	639.850	636.701	638.348	649.109
25	497.167	493.342	489.475	480.136	476.515	479.777	492.603
30	337.379	335.399	326.106	315.040	310.385	316.887	327.782
35	200.335	198.484	190.175	180.822	172.153	181.150	185.950
40	93.732	95.952	92.391	92.316	90.835	89.914	92.182
45	28.686	28.743	28.392	27.556	19.246	27.125	15.880

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CANDELA TABULATION - (Cont.)

50	7.939	9.071	9.145	8.549	7.969	8.177	7.787
55	6.918	7.769	7.530	7.581	7.231	5.909	6.029
60	5.260	5.313	5.920	5.379	6.340	5.023	5.279
65	3.924	3.785	3.497	3.706	3.334	4.114	3.673
70	3.634	3.675	3.224	2.866	3.408	3.778	3.830
75	2.944	2.416	3.082	1.987	2.954	2.473	2.921
80	1.059	1.695	1.867	1.795	1.411	1.362	1.411
85	1.150	1.619	1.185	1.143	1.234	1.030	1.285
90	0.000	0.000	0.000	0.949	1.129	0.853	1.040
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	319.37	N.A.	45.30
0-30	541.87	N.A.	76.80
0-40	663.68	N.A.	94.10
0-60	697.02	N.A.	98.80
0-80	704.35	N.A.	99.80
0-90	705.51	N.A.	100.00
10-90	610.45	N.A.	86.50
20-40	344.32	N.A.	48.80
20-50	371.33	N.A.	52.60
40-70	37.72	N.A.	5.30
60-80	7.33	N.A.	1.00
70-80	2.94	N.A.	0.40
80-90	1.17	N.A.	0.20
90-110	0.14	N.A.	0.00
90-120	0.14	N.A.	0.00
90-130	0.14	N.A.	0.00
90-150	0.14	N.A.	0.00
90-180	0.14	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	705.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.07
10-20	224.30
20-30	222.51
30-40	121.81
40-50	27.02
50-60	6.32
60-70	4.39
70-80	2.94
80-90	1.17
90-100	0.14
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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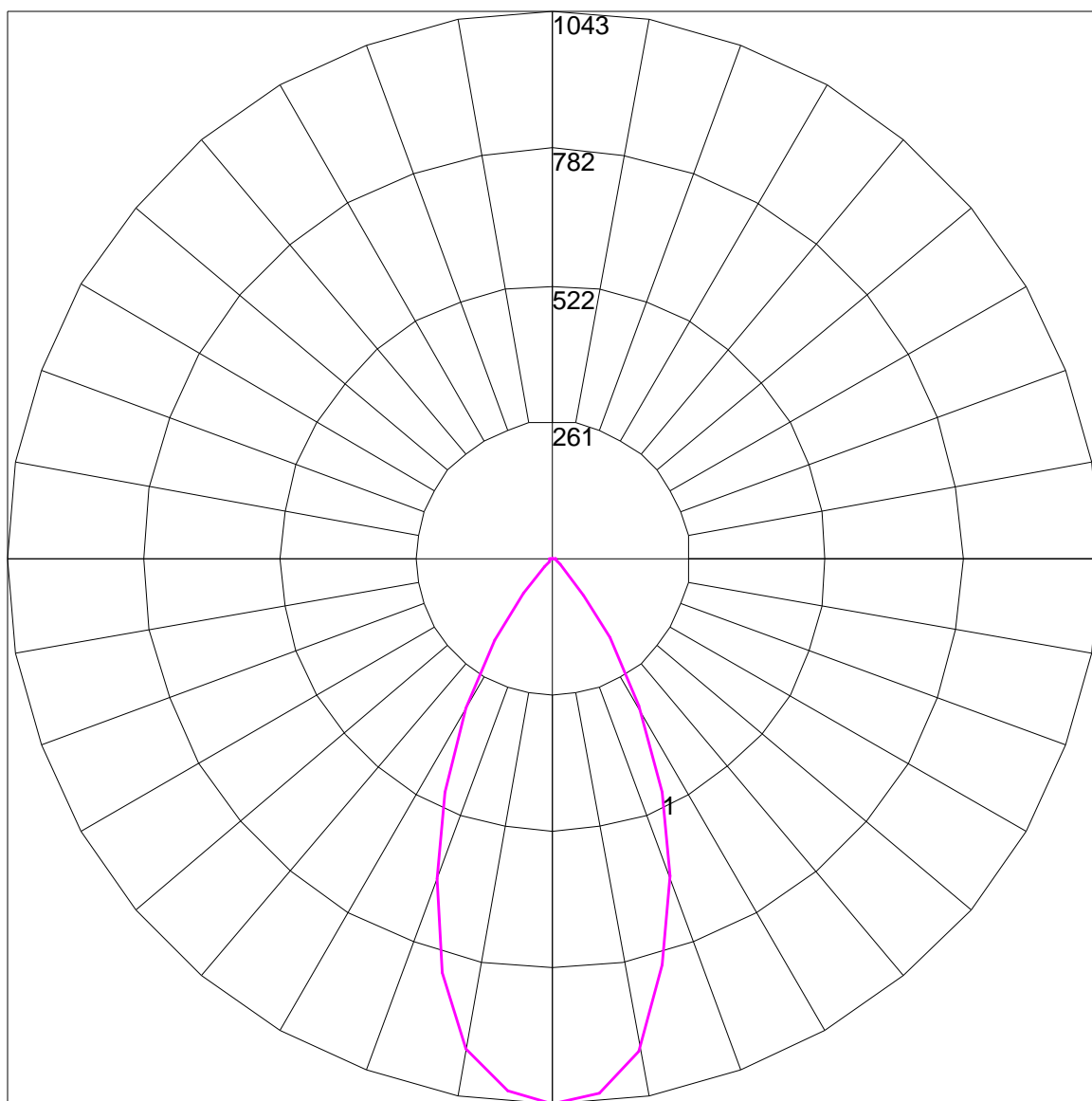
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	96	94
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	67	75	70	66	73	69	66	72	68	66	64
8	81	72	67	63	80	72	67	63	71	66	63	70	65	62	69	65	62	61
9	78	69	63	59	77	68	63	59	67	63	59	67	62	59	66	62	59	57
10	75	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

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POLAR GRAPH



Maximum Candela = 1043.113 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)