

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_2 ~ C0205XT-10LXXK-MDEX-SOXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640_2_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-10L-xxK-MD-EX-SO-xx-MW
[LUMINAIRE] Nom. 2.5" Diam x 5" H. LED Cylinder XT Series, Medium Beam
[OTHER] Matte White finish
[OTHER] Solite Lens
[OTHER] 35.2 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	695
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.60
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_2 ~ C0205XT-10LXXK-MDEX-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14138	12159	12467
55	7150	6070	5924
65	6869	5480	6074
75	4760	3296	4204
85	4195	3181	3896

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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	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594
5	1507.208	1523.070	1510.802	1516.480	1504.669	1510.500	1507.271	1517.505	1507.586	1521.568
10	1284.326	1293.890	1285.536	1287.472	1278.535	1283.250	1277.029	1288.456	1283.281	1297.536
15	963.374	956.148	956.771	952.706	954.184	956.927	954.157	962.962	958.386	962.800
20	643.126	628.688	631.527	625.749	632.953	633.991	631.731	638.268	631.715	627.869
25	392.046	379.788	381.830	377.148	383.880	383.896	382.317	383.831	376.745	370.993
30	220.343	209.910	213.036	209.542	213.805	213.330	207.707	209.025	203.212	199.153
35	113.499	107.306	107.272	105.038	106.723	107.795	101.834	105.265	100.891	99.628
40	56.512	51.967	51.185	47.976	51.245	52.275	49.595	51.064	49.214	46.914
45	29.206	26.629	25.118	22.418	25.753	25.094	24.709	25.723	25.021	23.276
50	17.079	14.615	13.829	12.493	13.950	14.845	15.302	15.256	13.100	13.954
55	11.980	11.195	10.171	9.025	9.926	11.748	11.106	10.457	10.604	9.727
60	9.607	10.078	8.765	8.092	9.058	9.672	8.793	8.374	8.904	8.408
65	8.481	8.632	6.766	6.630	7.499	6.977	7.622	6.542	6.718	6.848
70	5.149	5.240	5.363	4.800	5.247	5.352	4.867	5.374	4.475	4.314
75	3.599	3.120	2.492	2.359	3.179	3.038	3.038	2.861	3.185	3.014
80	1.338	1.462	1.294	1.337	1.493	1.336	1.191	1.932	1.733	1.685
85	1.068	0.776	0.810	1.186	0.992	1.241	1.284	0.987	1.281	1.210
90	0.000	0.000	0.000	0.000	0.000	0.977	1.412	1.060	0.899	0.911
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	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594	1588.594
5	1512.863	1520.710	1504.788	1512.171	1506.680	1519.999	1507.208
10	1287.482	1295.206	1278.741	1285.959	1282.629	1290.099	1284.326
15	952.548	952.129	950.882	953.762	960.698	961.019	963.374
20	618.667	611.435	623.822	623.087	640.785	636.275	643.126
25	361.369	356.041	368.459	368.496	388.159	386.202	392.046
30	191.817	190.021	198.466	198.137	214.504	214.632	220.343
35	91.374	91.049	96.502	99.815	108.290	109.027	113.499
40	41.883	42.533	46.235	47.779	52.207	53.659	56.512
45	19.387	20.864	23.715	24.971	26.788	26.524	29.206

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CANDELA TABULATION - (Cont.)

50	11.776	13.173	14.330	14.926	15.627	14.663	17.079
55	9.001	9.207	10.658	11.047	11.186	10.339	11.980
60	8.089	7.578	8.528	8.020	8.479	8.273	9.607
65	5.471	6.035	6.728	6.663	6.576	7.508	8.481
70	5.020	4.574	5.204	4.569	5.104	5.647	5.149
75	2.665	2.463	2.856	2.824	3.364	2.677	3.599
80	1.278	1.376	1.462	1.908	1.700	1.258	1.338
85	1.142	0.784	1.011	1.002	0.945	1.112	1.068
90	0.886	1.180	1.157	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	401.04	N.A.	57.70
0-30	580.65	N.A.	83.60
0-40	651.76	N.A.	93.80
0-60	683.19	N.A.	98.40
0-80	693.29	N.A.	99.80
0-90	694.41	N.A.	100.00
10-90	557.21	N.A.	80.20
20-40	250.72	N.A.	36.10
20-50	272.34	N.A.	39.20
40-70	38.27	N.A.	5.50
60-80	10.10	N.A.	1.50
70-80	3.25	N.A.	0.50
80-90	1.12	N.A.	0.20
90-110	0.15	N.A.	0.00
90-120	0.15	N.A.	0.00
90-130	0.15	N.A.	0.00
90-150	0.15	N.A.	0.00
90-180	0.15	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	694.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	137.20
10-20	263.83
20-30	179.61
30-40	71.11
40-50	21.62
50-60	9.81
60-70	6.84
70-80	3.25
80-90	1.12
90-100	0.15
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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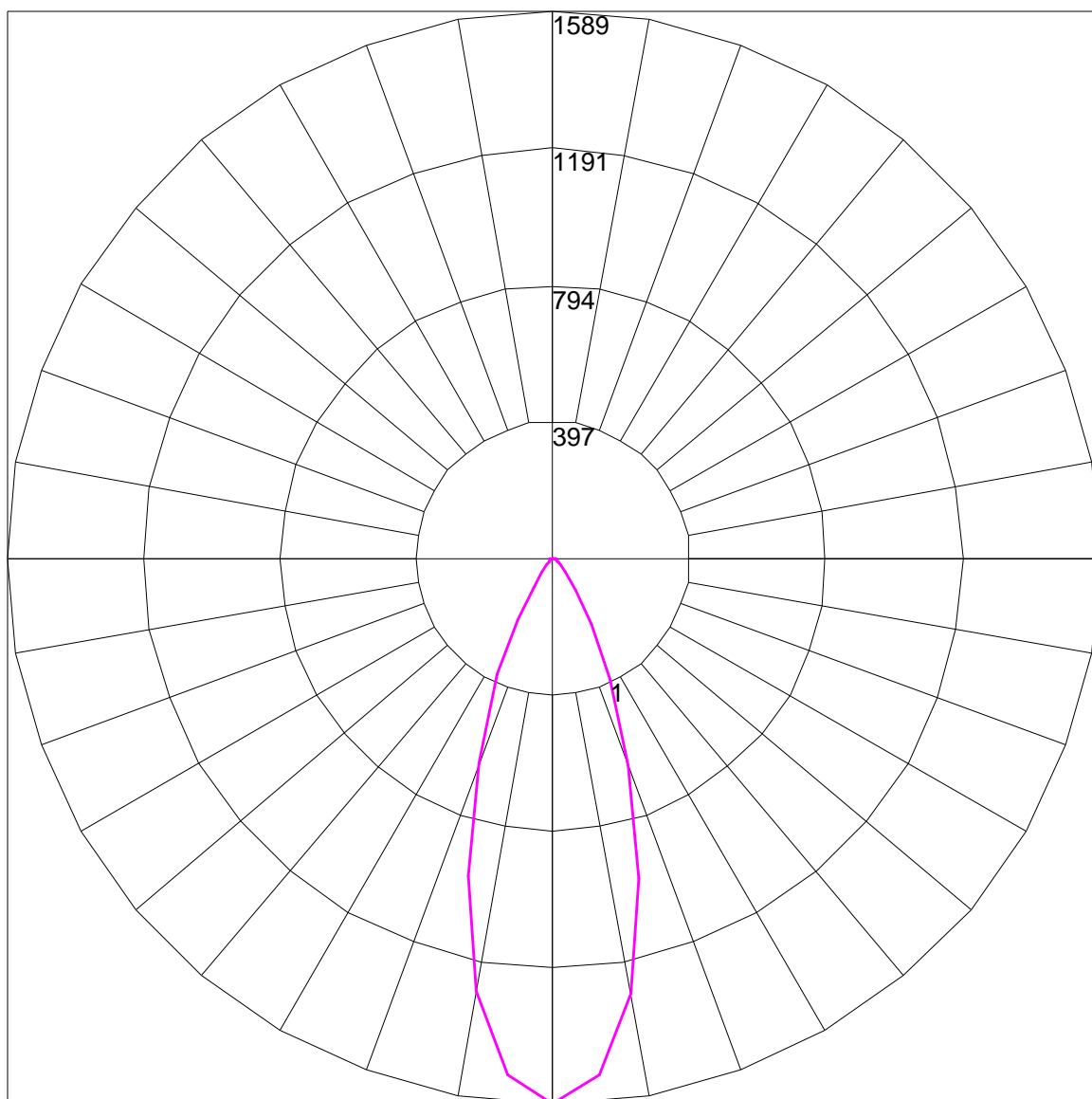
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80
5	96	88	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	70	65	62	78	70	65	62	69	65	62	69	65	62	68	64	62	60

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POLAR GRAPH



Maximum Candela = 1588.594 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)