

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00640_5 ~ C0205XT-10LXXK-WDEX-SOXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00640_5_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/6/2018
[UPDATE] 2/7/2018
[LUMCAT] C0205XT-10L-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	687
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)	0.76
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-10LXXK-WDEX-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	27645	24359	24418
55	10259	8480	8838
65	7559	5893	6040
75	4308	3613	4433
85	5176	3499	4037

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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	938.967	938.967	938.967	938.967	938.967	938.967	938.967	938.967	938.967	938.967
5	916.636	914.837	918.019	913.183	912.975	914.387	913.478	910.622	915.756	915.673
10	842.755	843.028	845.487	840.469	838.599	837.453	834.854	835.415	843.759	845.559
15	725.858	729.283	731.171	725.158	722.720	718.766	718.763	721.777	729.520	733.017
20	588.713	592.240	591.468	587.222	584.096	580.936	578.591	584.692	592.745	593.828
25	448.306	450.449	449.648	446.125	440.768	433.928	435.576	440.085	447.123	450.366
30	312.119	314.714	312.529	309.723	304.271	298.256	296.630	304.210	310.308	314.753
35	196.465	198.889	194.595	191.891	189.713	185.258	182.610	192.312	194.671	197.162
40	112.057	111.464	106.718	104.452	105.551	104.307	102.763	110.509	110.486	111.292
45	57.107	55.958	50.319	49.874	50.441	51.169	53.020	56.145	54.128	54.803
50	29.437	28.767	23.836	22.785	24.329	25.575	26.595	28.304	28.507	27.544
55	17.190	16.973	14.209	12.758	14.810	15.258	15.842	16.417	17.050	16.533
60	11.858	12.145	10.024	9.417	10.557	10.818	11.037	11.710	11.820	11.770
65	9.332	8.650	7.276	7.108	7.457	8.048	7.246	8.773	9.006	9.555
70	5.667	5.279	5.392	5.243	5.436	5.744	6.046	5.582	5.716	5.958
75	3.257	3.122	2.732	2.850	3.352	3.182	3.591	3.128	3.818	3.495
80	1.642	1.559	1.114	1.353	1.772	1.205	1.572	2.064	1.060	1.922
85	1.318	0.891	0.891	1.394	1.028	1.132	1.060	1.284	1.682	1.325
90	1.264	1.343	1.227	1.128	0.910	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	938.967	938.967	938.967	938.967	938.967	938.967	938.967
5	919.351	914.441	912.929	912.761	913.986	909.946	916.636
10	848.464	842.180	839.706	836.700	835.843	833.483	842.755
15	733.270	727.333	722.565	719.274	716.469	717.993	725.858
20	594.154	589.440	584.093	579.431	576.912	581.678	588.713
25	448.724	445.648	440.084	435.644	435.953	440.787	448.306
30	311.885	308.622	304.044	300.273	298.576	305.958	312.119
35	192.125	190.522	187.733	187.573	186.566	193.238	196.465
40	104.275	106.105	107.070	107.338	106.786	110.452	112.057
45	50.480	52.449	53.871	55.626	53.193	57.861	57.107

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CANDELA TABULATION - (Cont.)

50	24.094	25.751	27.660	28.809	28.366	29.352	29.437
55	13.771	15.590	16.330	17.835	16.836	17.197	17.190
60	9.989	11.230	11.968	12.357	10.931	11.437	11.858
65	8.894	7.800	8.564	9.420	7.844	8.454	9.332
70	6.396	7.018	6.352	7.076	5.994	6.027	5.667
75	3.641	4.157	4.019	4.308	3.862	3.752	3.257
80	1.985	1.762	1.887	2.253	1.954	1.589	1.642
85	1.309	1.189	0.993	1.379	1.241	1.398	1.318
90	0.000	0.000	0.000	1.117	1.083	1.214	1.264
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	285.77	N.A.	41.60
0-30	488.61	N.A.	71.10
0-40	611.83	N.A.	89.00
0-60	673.47	N.A.	98.00
0-80	685.69	N.A.	99.80
0-90	686.96	N.A.	100.00
10-90	602.04	N.A.	87.60
20-40	326.05	N.A.	47.50
20-50	372.13	N.A.	54.20
40-70	70.00	N.A.	10.20
60-80	12.22	N.A.	1.80
70-80	3.86	N.A.	0.60
80-90	1.28	N.A.	0.20
90-110	0.16	N.A.	0.00
90-120	0.16	N.A.	0.00
90-130	0.16	N.A.	0.00
90-150	0.16	N.A.	0.00
90-180	0.16	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	687.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	84.92
10-20	200.85
20-30	202.84
30-40	123.21
40-50	46.08
50-60	15.56
60-70	8.36
70-80	3.86
80-90	1.28
90-100	0.16
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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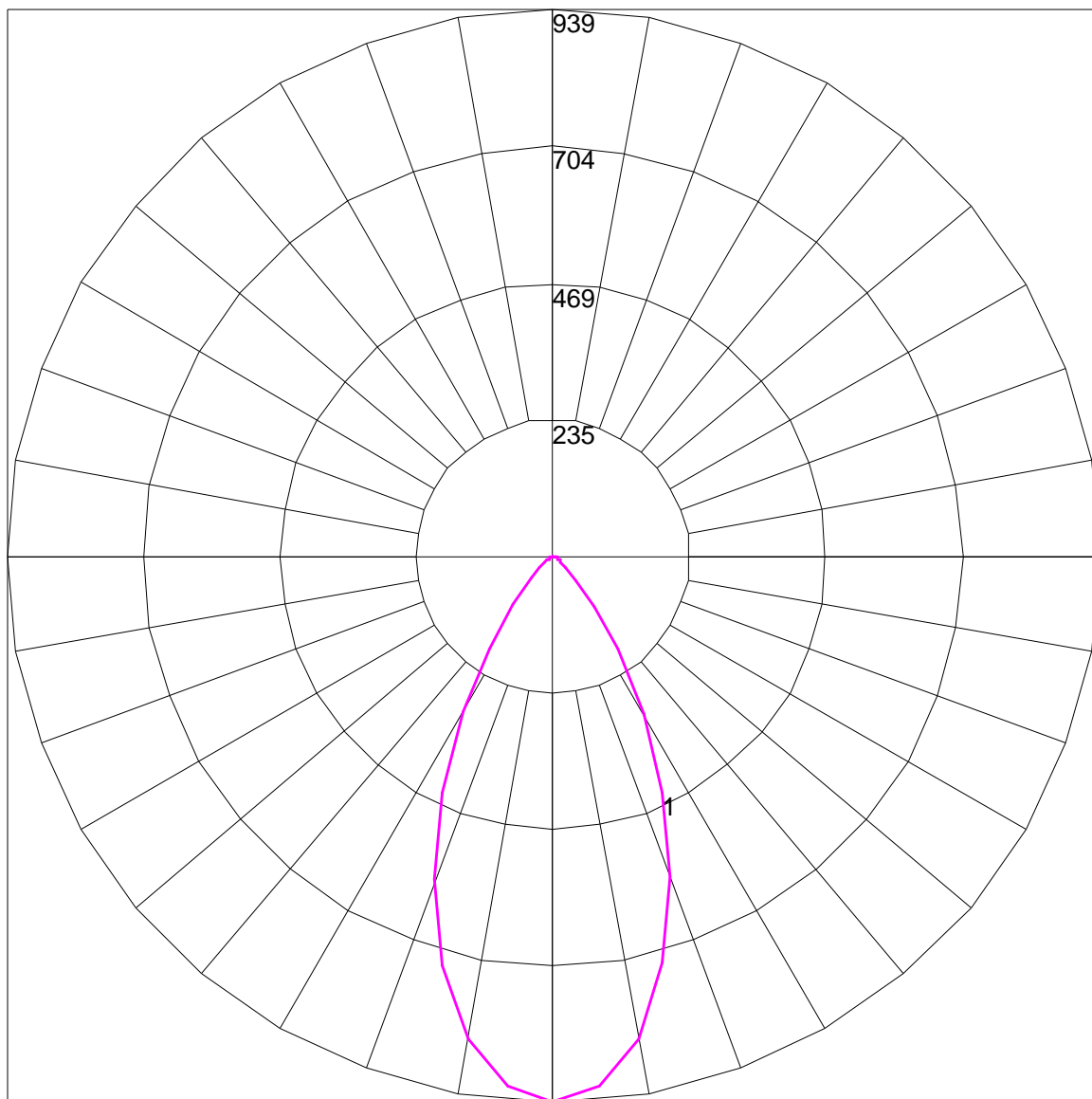
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 938.967 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)