

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_1 ~ C1216XT-40LXXK-NDEX-TCY-SOXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00629_1
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 9/20/2017
[UPDATE] 3/9/2018
[LUMCAT] C1216XT-30L-xxK-ND-EX-TCY-SO
[LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
[OTHER] Internal Reflector, Narrow Beam
[OTHER] Solite Lens, Flush with Lower Trim
[OTHER] 25.1 Degree Beam Angle
[OTHER] Aimed at 0 Degrees
[LAMPCAT] N/A, 19mm LES
[LAMP] N/A, 83 CRI
[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 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3436
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.42
Spacing Criterion (90-270)	0.42
Spacing Criterion (Diagonal)	0.48
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.44 ft (Diameter)
Luminous Width (90-270)	0.44 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00629_1 ~ C1216XT-40LXXK-NDEX-TCY-SOXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	47399	47679	48607
55	21307	21084	22233
65	12368	12620	13361
75	10262	10914	10431
85	6525	7409	8024

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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	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934
5	6463.179	6629.292	6480.983	6611.299	6527.134	6515.147	6590.129	6462.484	6628.640	6502.345
10	4544.081	4677.203	4490.687	4669.253	4526.269	4471.655	4637.699	4492.305	4692.492	4518.028
15	2869.911	2908.498	2820.564	2923.010	2829.200	2759.981	2854.792	2827.415	2904.765	2782.565
20	1911.329	1890.616	1887.054	1939.986	1883.529	1823.124	1858.332	1891.813	1892.490	1817.189
25	1493.835	1478.770	1487.581	1505.366	1479.574	1445.719	1450.942	1474.562	1458.489	1425.092
30	1279.995	1296.989	1290.354	1303.469	1281.730	1268.596	1269.165	1256.565	1247.316	1221.522
35	1038.930	1073.965	1054.740	1082.633	1048.929	1036.889	1044.325	1006.200	1013.158	978.134
40	748.224	773.772	753.990	778.115	760.084	753.788	744.826	709.895	726.181	706.011
45	478.215	494.481	481.047	492.907	490.404	493.139	486.605	465.286	472.035	459.546
50	289.705	287.558	286.763	300.388	298.196	297.325	295.286	295.320	301.642	284.521
55	174.379	174.624	172.553	178.322	181.954	179.850	182.590	182.407	188.071	182.292
60	111.076	111.126	111.822	108.956	116.685	124.727	121.907	122.564	125.418	122.711
65	74.577	78.513	76.097	76.084	80.570	92.685	91.175	89.274	87.546	92.830
70	56.262	56.210	55.468	57.756	55.982	70.542	74.791	68.507	71.149	71.071
75	37.895	39.882	40.305	40.048	38.522	53.729	58.460	52.369	55.646	53.978
80	24.015	23.728	23.764	25.636	26.549	45.712	44.778	43.050	43.155	41.731
85	8.114	8.334	9.213	7.964	9.978	26.899	27.221	25.956	26.394	27.771
90	2.054	1.783	2.719	3.074	3.562	13.923	12.535	13.900	11.257	16.641
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	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934	7479.934
5	6734.756	6533.133	6679.788	6683.171	6484.125	6671.849	6463.179
10	4712.873	4553.820	4635.755	4632.763	4536.924	4708.228	4544.081
15	2850.867	2821.022	2815.075	2796.817	2813.813	2913.850	2869.911
20	1827.146	1854.437	1829.176	1806.029	1853.391	1898.698	1911.329
25	1431.226	1452.459	1442.127	1426.995	1454.449	1484.695	1493.835
30	1241.927	1230.580	1240.855	1249.754	1248.957	1280.759	1279.995
35	1004.083	988.549	1004.299	1013.317	1013.561	1052.098	1038.930
40	723.752	704.314	727.488	739.920	733.737	759.975	748.224
45	470.136	456.503	468.816	478.962	475.951	481.824	478.215

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50	290.514	292.837	288.284	287.060	287.882	291.154	289.705
55	190.161	184.942	186.298	171.196	175.484	179.656	174.379
60	127.113	124.516	124.619	115.112	114.061	115.798	111.076
65	91.012	89.970	87.638	81.134	77.593	78.352	74.577
70	70.288	66.660	66.697	58.183	54.826	55.401	56.262
75	56.371	52.353	52.471	33.394	41.179	38.192	37.895
80	41.359	41.422	39.169	23.539	23.850	23.125	24.015
85	26.625	24.204	22.920	7.040	7.797	8.837	8.114
90	12.903	14.295	13.075	2.468	2.702	2.485	2.054
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	1396.87	N.A.	40.70
0-30	2090.82	N.A.	60.90
0-40	2723.33	N.A.	79.30
0-60	3276.29	N.A.	95.40
0-80	3412.89	N.A.	99.30
0-90	3433.57	N.A.	99.90
10-90	2866.01	N.A.	83.40
20-40	1326.46	N.A.	38.60
20-50	1707.6	N.A.	49.70
40-70	639.51	N.A.	18.60
60-80	136.60	N.A.	4.00
70-80	50.06	N.A.	1.50
80-90	20.68	N.A.	0.60
90-110	2.21	N.A.	0.10
90-120	2.21	N.A.	0.10
90-130	2.21	N.A.	0.10
90-150	2.21	N.A.	0.10
90-180	2.21	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	3435.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	567.56
10-20	829.31
20-30	693.95
30-40	632.50
40-50	381.14
50-60	171.82
60-70	86.54
70-80	50.06
80-90	20.68
90-100	2.21
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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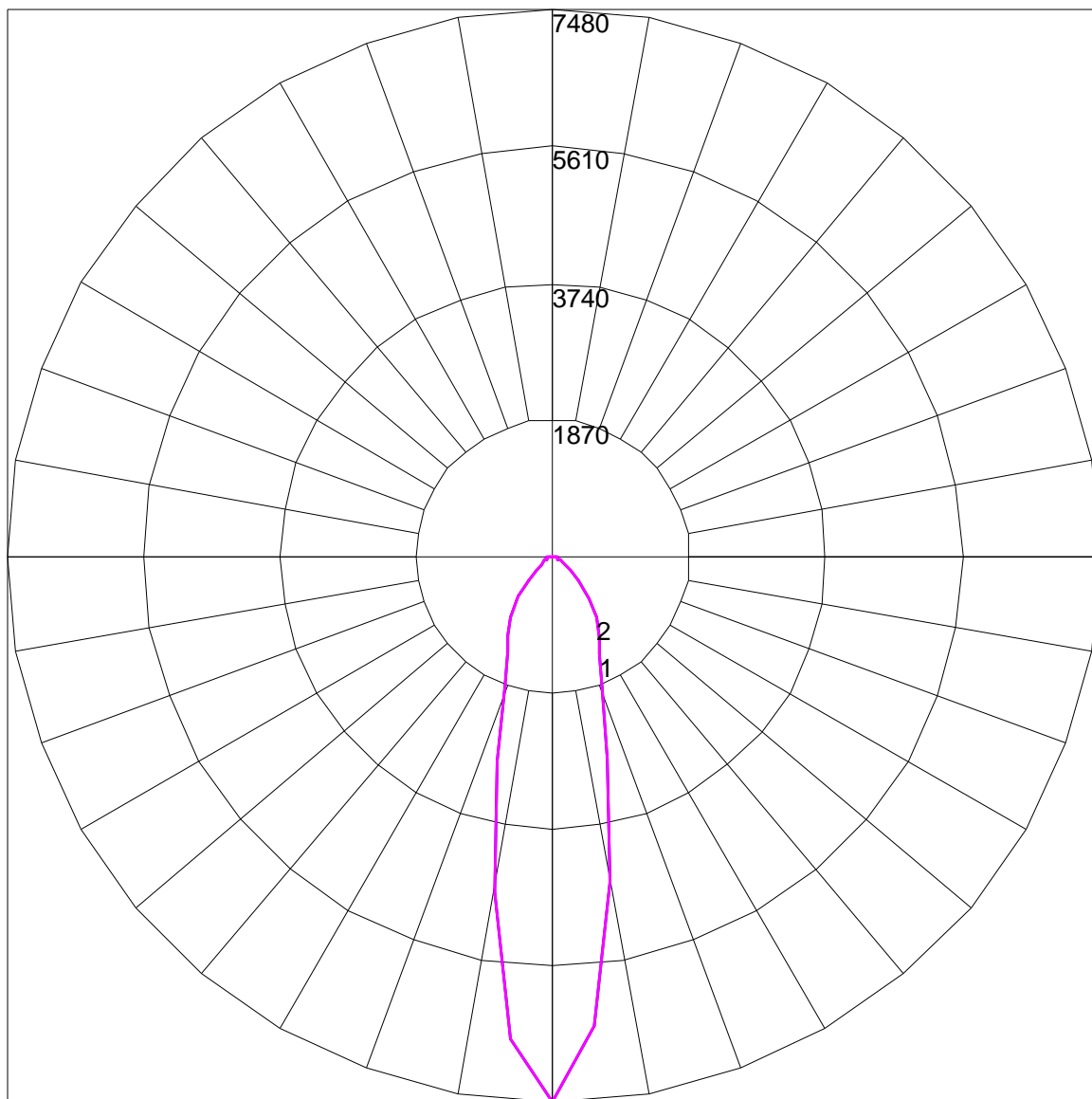
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	96	93	104	99	95	92	96	92	89	93	90	88	90	88	86	84
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66
6	85	76	69	65	84	75	69	65	73	68	64	72	67	64	71	67	63	62
7	81	71	65	61	80	71	65	60	69	64	60	68	63	60	67	63	59	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	54
9	74	64	58	53	73	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	55	51	69	60	54	50	59	54	50	58	54	50	58	53	50	49

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POLAR GRAPH



Maximum Candela = 7479.934 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)