

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00629_2 ~ C1216XT-40LXXK-NDEX-TCY-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00629_2_M-40L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/20/2017
 [UPDATE] 4/5/2018
 [LUMCAT] C1216XT-40L-xxK-ND-EX-TCY-GL
 [LUMINAIRE] Nom. 12" Diam. x 16" H. Accent Biaxial Adjustable Downlight Cylinder
 [OTHER] Internal Reflector, Narrow Beam
 [OTHER] Clear Glass Lens, Flush with Lower Trim
 [OTHER] 20.3 Degree Beam Angle
 [OTHER] Aimed at 0 Degrees (Nadir)
 [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	3585
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	37.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.38
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_2 ~ C1216XT-40LXXK-NDEX-TCY-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	49811	52818	49033
55	27203	26650	27237
65	4658	5357	5366
75	7684	7098	6366
85	5779	7506	7655

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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	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219
5	9227.568	9494.734	9349.789	9465.181	9211.415	8944.210	8991.161	8577.267	8700.983	8422.735
10	5719.260	6064.542	5858.432	6022.147	5645.739	5348.688	5362.740	4913.771	5029.672	4723.248
15	2909.218	3118.233	2970.380	3053.543	2797.262	2628.145	2611.826	2376.315	2424.048	2274.134
20	1706.878	1774.664	1709.492	1728.146	1616.278	1570.957	1562.568	1510.153	1519.952	1489.519
25	1416.503	1431.639	1410.067	1402.664	1366.679	1348.788	1353.193	1354.204	1359.746	1363.099
30	1324.558	1336.320	1321.364	1312.215	1288.083	1272.086	1276.849	1272.755	1282.444	1275.852
35	1196.780	1217.100	1200.203	1200.291	1173.569	1148.105	1145.559	1108.559	1112.498	1074.128
40	877.332	932.156	911.967	923.697	866.266	799.058	788.339	707.132	701.955	648.497
45	502.556	531.052	532.893	514.845	494.704	439.188	433.355	391.595	376.494	354.657
50	357.929	361.490	353.859	353.925	343.435	339.097	345.854	334.210	313.982	306.624
55	222.624	232.571	218.106	232.634	222.906	213.886	236.145	218.129	219.802	198.298
60	69.885	75.850	72.200	77.125	75.614	71.919	83.732	76.885	82.013	75.106
65	28.086	29.648	32.302	30.403	32.356	37.360	45.082	41.390	43.631	39.129
70	27.321	32.436	27.703	26.295	28.043	34.483	35.720	41.919	39.727	43.413
75	28.376	21.783	26.214	23.507	23.510	36.337	41.347	39.813	44.337	39.257
80	15.250	20.271	18.867	18.988	18.813	35.884	31.253	34.098	36.362	33.123
85	7.186	8.745	9.334	10.406	9.519	25.278	19.674	19.884	22.101	20.723
90	3.063	0.896	2.372	1.091	1.638	11.396	5.354	13.450	5.204	15.432
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	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219	10708.219
5	8615.747	8421.192	8675.473	8991.449	8937.450	9308.631	9227.568
10	4938.843	4753.269	5049.530	5399.345	5368.740	5804.212	5719.260
15	2378.243	2297.051	2463.351	2679.510	2693.208	2955.390	2909.218
20	1525.346	1499.777	1559.172	1617.073	1629.774	1723.290	1706.878
25	1373.587	1369.085	1379.285	1397.354	1397.283	1417.757	1416.503
30	1289.493	1280.884	1297.898	1315.997	1316.615	1330.774	1324.558
35	1104.794	1077.048	1134.728	1159.165	1164.488	1201.995	1196.780
40	674.562	657.939	706.525	771.714	787.771	873.895	877.332
45	375.579	376.093	378.708	424.978	438.012	491.490	502.556

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50	328.850	323.272	343.943	334.313	342.285	357.721	357.929
55	215.163	196.807	215.139	218.786	211.301	229.132	222.624
60	73.619	70.033	64.448	72.873	65.427	72.973	69.885
65	38.609	42.333	34.206	30.635	34.259	31.241	28.086
70	36.563	38.104	36.818	21.329	22.704	23.555	27.321
75	38.770	39.968	37.234	25.375	28.221	25.569	28.376
80	34.393	34.093	35.098	17.100	18.045	16.453	15.250
85	19.513	19.260	23.464	5.464	6.786	7.789	7.186
90	5.868	11.072	11.526	1.651	1.791	0.684	3.063
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	1576.94	N.A.	44.00
0-30	2230.42	N.A.	62.20
0-40	2915.08	N.A.	81.30
0-60	3489.85	N.A.	97.40
0-80	3566.25	N.A.	99.50
0-90	3582.95	N.A.	100.00
10-90	2835.08	N.A.	79.10
20-40	1338.13	N.A.	37.30
20-50	1723.76	N.A.	48.10
40-70	618.57	N.A.	17.30
60-80	76.40	N.A.	2.10
70-80	32.60	N.A.	0.90
80-90	16.70	N.A.	0.50
90-110	1.58	N.A.	0.00
90-120	1.58	N.A.	0.00
90-130	1.58	N.A.	0.00
90-150	1.58	N.A.	0.00
90-180	1.58	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3584.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	747.87
10-20	829.08
20-30	653.48
30-40	684.66
40-50	385.63
50-60	189.15
60-70	43.79
70-80	32.60
80-90	16.70
90-100	1.58
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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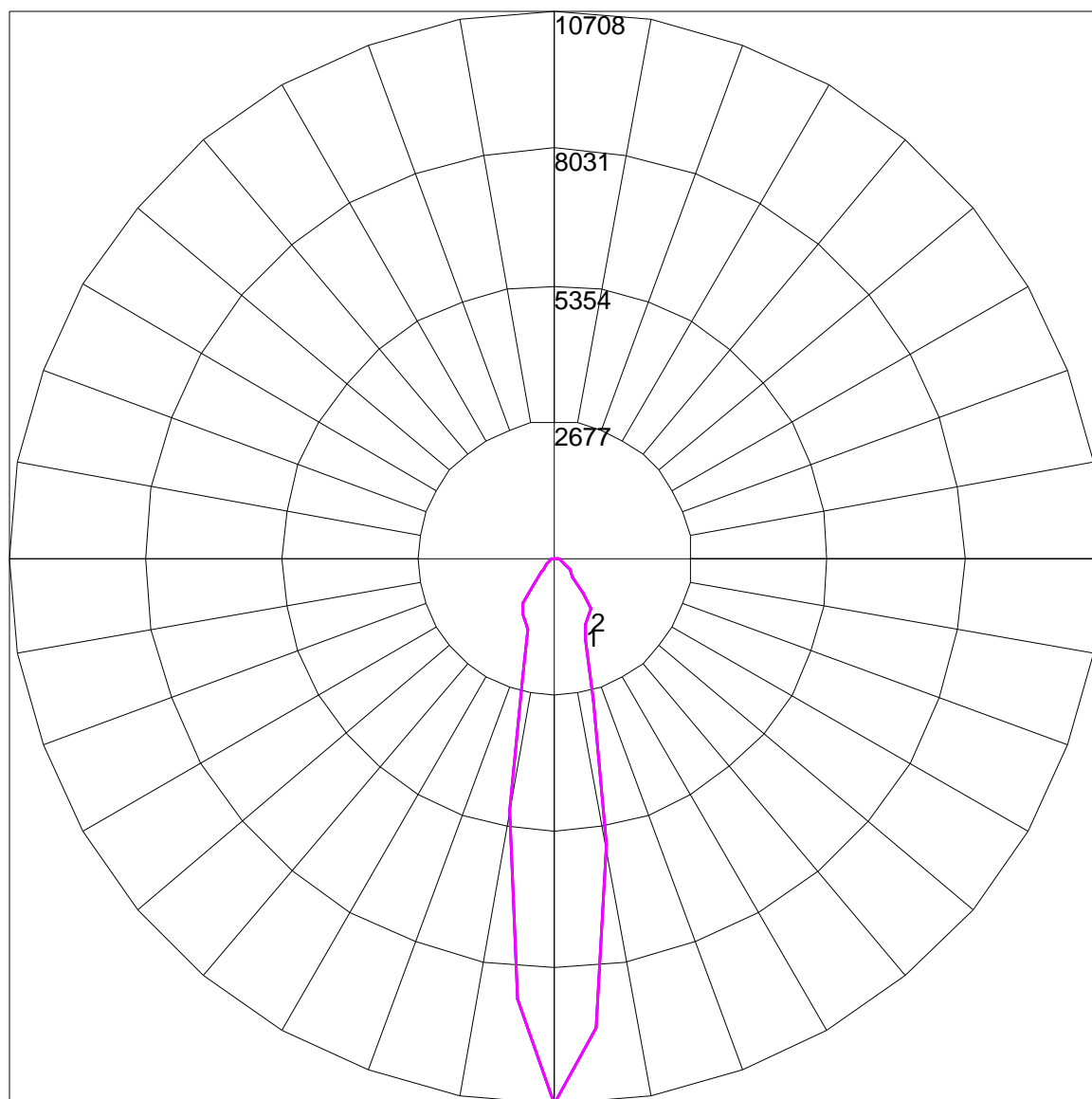
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	89	85	91	87	83	88	85	82	86	83	81	79
4	96	88	83	78	94	87	82	78	85	80	77	83	79	76	81	78	75	73
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	69
6	87	78	72	67	85	77	71	67	76	70	67	74	70	66	73	69	66	64
7	83	73	67	63	81	73	67	63	71	66	63	70	66	62	69	65	62	60
8	79	70	64	59	78	69	63	59	68	63	59	67	62	59	66	62	59	57
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54
10	73	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 10708.219 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)