

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00616_15 ~ C0808XT-10LXXK-XNEX-TCY-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00616_15_M-10L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/20/2017
 [UPDATE] 3/9/2018
 [LUMCAT] C0808XT-10L-xxK-XN-EX-TCY-SO
 [LUMINAIRE] Nom. 8" Diam. x 8" H. Accent Biaxial Adjustable Downlight Cylinder
 [OTHER] Internal Reflector, Xtra Narrow Beam
 [OTHER] Solite Lens, Flush with Lower Trim
 [OTHER] 22.1 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 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	841
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	12.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	0.38
Spacing Criterion (Diagonal)	0.42
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10722	11453	11605
55	4945	4628	4919
65	2794	2776	2772
75	2069	2217	2548
85	1355	1965	1532

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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	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607
5	1877.324	1849.044	1842.317	1832.446	1834.215	1834.850	1851.321	1836.261	1858.247	1856.359
10	1189.415	1201.355	1200.274	1210.808	1190.119	1189.151	1174.392	1203.438	1203.836	1195.160
15	661.589	684.478	686.637	719.574	685.141	673.316	659.950	700.768	697.094	661.008
20	425.273	437.337	440.819	465.014	438.606	423.749	419.871	447.665	444.173	414.220
25	346.884	352.450	355.158	361.689	345.905	339.546	339.042	346.811	343.384	333.028
30	308.289	311.946	313.688	313.837	307.407	304.569	304.398	300.574	299.077	294.805
35	253.404	256.912	261.105	260.710	257.508	254.368	250.318	249.849	246.724	242.391
40	177.913	183.555	186.099	185.724	185.148	185.114	182.434	179.874	176.132	174.845
45	108.174	115.559	115.554	115.979	117.084	121.268	119.345	116.127	114.687	112.642
50	64.995	67.598	66.368	70.175	69.416	72.389	72.005	73.285	72.466	68.751
55	40.468	39.745	37.874	41.677	40.258	42.721	44.695	45.124	45.600	44.167
60	23.819	25.270	23.475	25.477	25.298	28.855	29.368	28.444	30.148	29.506
65	16.850	17.255	16.737	16.048	16.718	21.818	21.342	20.815	21.798	20.513
70	11.324	12.308	12.024	11.529	12.407	16.673	15.544	16.333	16.468	15.928
75	7.640	7.886	8.187	8.520	9.410	12.094	12.501	12.391	12.383	12.649
80	4.747	3.993	4.629	5.612	5.066	9.908	9.196	10.467	9.471	8.358
85	1.685	2.226	2.443	1.862	1.905	6.894	5.986	5.982	6.435	5.725
90	0.000	0.000	0.000	0.000	0.000	4.215	3.840	3.425	3.935	4.061
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. 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	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607	2173.607
5	1861.014	1867.765	1848.179	1864.840	1901.258	1862.390	1877.324
10	1210.676	1206.698	1205.233	1186.068	1164.897	1210.221	1189.415
15	673.252	671.170	678.596	635.980	611.065	680.615	661.589
20	417.973	422.106	424.021	398.202	389.457	430.824	425.273
25	334.389	337.152	338.520	331.786	334.724	347.189	346.884
30	293.958	296.358	296.576	298.160	303.286	303.569	308.289
35	241.127	241.791	242.350	239.840	243.001	248.989	253.404
40	175.508	173.195	173.203	171.243	173.427	179.245	177.913
45	114.531	108.369	111.270	108.145	112.117	112.074	108.174

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50	69.691	69.213	69.068	63.810	64.630	68.870	64.995
55	44.977	43.314	42.887	38.616	38.709	41.098	40.468
60	29.473	27.732	28.561	25.972	25.321	23.871	23.819
65	20.692	19.856	21.081	18.314	16.752	16.117	16.850
70	15.716	15.215	15.493	11.813	12.280	11.350	11.324
75	11.373	12.429	11.811	8.359	8.261	7.755	7.640
80	9.357	8.570	9.760	4.387	4.560	4.164	4.747
85	5.705	6.104	5.117	1.538	1.699	1.895	1.685
90	3.954	3.850	3.338	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	359.00	N.A.	42.70
0-30	521.57	N.A.	62.00
0-40	674.40	N.A.	80.20
0-60	805.62	N.A.	95.80
0-80	835.99	N.A.	99.40
0-90	840.58	N.A.	99.90
10-90	683.27	N.A.	81.20
20-40	315.40	N.A.	37.50
20-50	406.57	N.A.	48.30
40-70	150.67	N.A.	17.90
60-80	30.37	N.A.	3.60
70-80	10.92	N.A.	1.30
80-90	4.59	N.A.	0.50
90-110	0.52	N.A.	0.10
90-120	0.52	N.A.	0.10
90-130	0.52	N.A.	0.10
90-150	0.52	N.A.	0.10
90-180	0.52	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	841.10	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.31
10-20	201.69
20-30	162.57
30-40	152.83
40-50	91.17
50-60	40.04
60-70	19.45
70-80	10.92
80-90	4.59
90-100	0.52
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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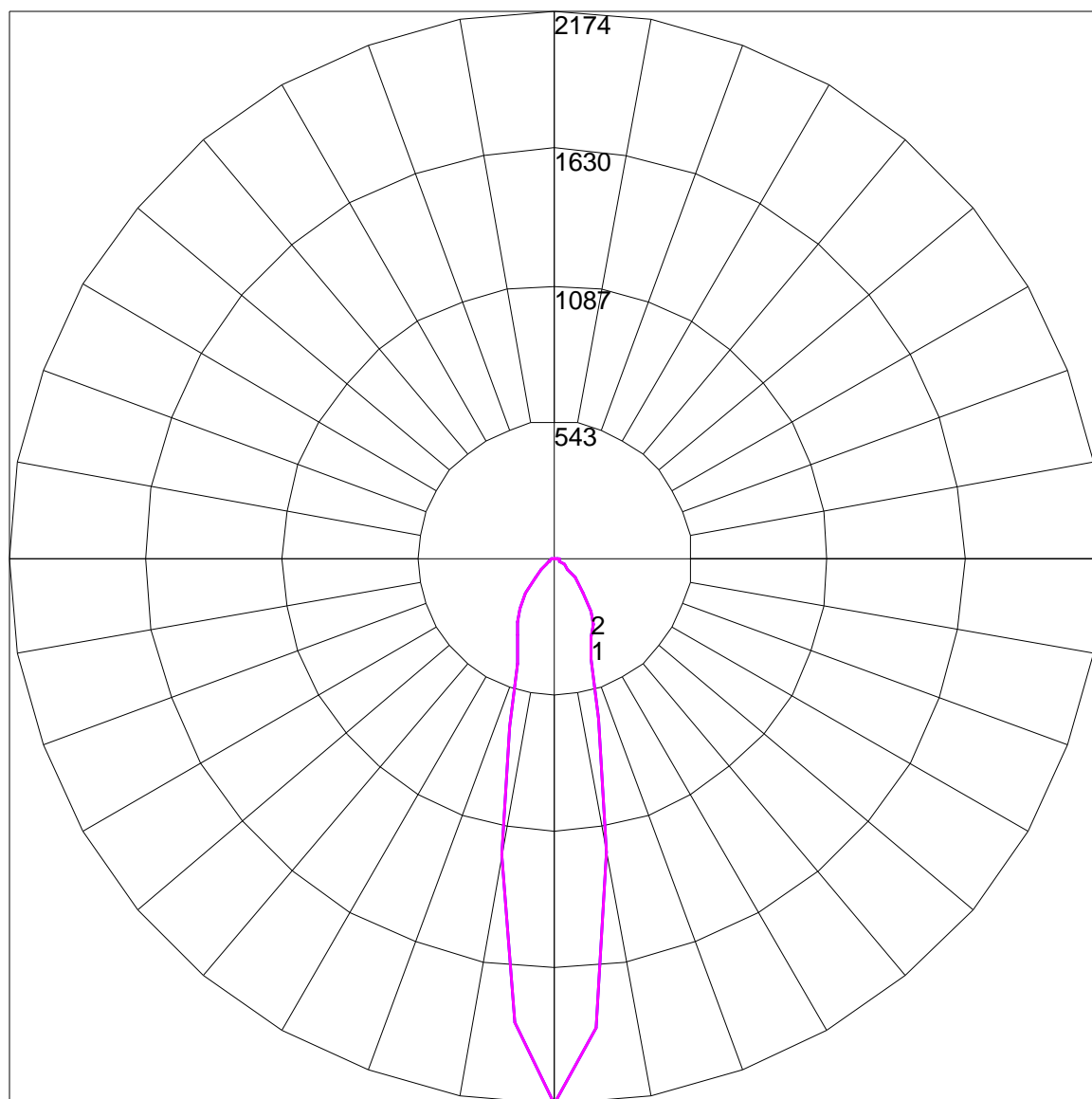
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	108	105	103	103	101	100	100	98	97	96	95	94	92
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	90	88	86	85
3	101	94	89	84	99	93	88	84	90	86	82	87	84	81	85	82	80	78
4	96	88	82	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	71	66	85	76	70	66	75	69	65	73	68	65	72	68	65	63
7	82	72	66	62	81	72	66	62	70	65	61	69	65	61	68	64	61	59
8	78	69	62	58	77	68	62	58	67	62	58	66	61	58	65	60	57	56
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

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POLAR GRAPH



Maximum Candela = 2173.607 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)