

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00616\_14 ~ C0808XT-10LXXK-XNEX-TCY-NLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00616\_14\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 9/20/2017  
[UPDATE] 3/9/2018  
[LUMCAT] C0808XT-10L-xxK-XN-EX-TCY-NL  
[LUMINAIRE] Nom. 8" Diam. x 8" H. Accent Biaxial Adjustable Downlight Cylinder  
[OTHER] Internal Reflector, Xtra Narrow Beam  
[OTHER] No Lens  
[OTHER] 16.0 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	879
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	12.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.30
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-00616\_14 ~ C0808XT-10LXXK-XNEX-TCY-NLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10209	8995	9887
55	2094	2304	4339
65	762	613	841
75	489	756	984
85	1101	1421	1556

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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	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480
5	2993.008	3082.845	3126.992	3010.468	3085.024	3010.718	3015.471	3048.244	3050.528	3050.270
10	1115.809	1096.199	1191.290	1115.786	1280.760	1362.734	1337.547	1254.669	1234.457	1167.401
15	462.802	434.904	437.347	457.010	462.678	474.650	459.978	440.323	439.837	431.079
20	360.584	359.143	358.803	357.422	367.214	358.944	355.942	354.529	355.262	353.892
25	340.178	340.526	337.805	334.336	342.559	332.168	332.797	335.000	334.142	329.974
30	333.595	330.209	325.423	316.104	323.247	313.863	317.400	317.787	319.350	321.948
35	306.491	305.379	302.693	301.253	301.894	294.301	295.293	296.947	298.610	301.449
40	214.314	228.116	232.959	212.525	233.574	213.676	217.135	223.328	226.178	221.811
45	103.001	97.194	90.754	107.352	99.748	94.780	90.275	82.341	82.997	85.483
50	92.504	99.886	92.847	101.119	90.502	85.573	87.785	83.758	93.402	96.997
55	17.138	14.310	18.857	13.472	35.512	45.694	47.901	42.611	42.954	38.835
60	5.298	4.358	5.234	5.051	6.685	7.275	7.154	8.048	8.575	7.830
65	4.592	4.073	3.695	4.372	5.073	6.315	6.042	6.800	6.678	6.743
70	3.199	3.428	2.564	2.973	4.689	5.380	5.697	6.032	5.224	6.286
75	1.804	3.160	2.791	3.227	3.632	5.246	6.390	7.039	5.933	6.686
80	2.764	1.987	1.836	1.635	2.720	5.861	5.226	5.592	5.889	6.160
85	1.369	1.148	1.767	1.805	1.935	4.617	4.794	5.722	5.536	5.060
90	0.000	0.000	0.000	0.000	0.000	3.413	3.539	3.395	3.131	3.337
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	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480	3830.480
5	2967.161	3040.101	2879.281	2830.157	2845.997	2925.604	2993.008
10	1157.078	1210.046	1158.146	1232.768	1190.145	1128.718	1115.809
15	463.755	440.109	486.091	483.400	482.187	470.389	462.802
20	354.627	357.567	366.928	362.379	360.454	362.302	360.584
25	332.253	334.300	340.358	336.649	336.950	338.888	340.178
30	321.990	318.378	326.110	322.449	325.800	328.825	333.595
35	300.117	297.450	304.266	300.637	302.583	302.996	306.491
40	205.994	223.813	202.752	189.062	193.515	207.297	214.314
45	97.144	82.793	104.797	108.049	111.886	106.812	103.001

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50	100.373	96.560	103.793	91.463	92.750	96.271	92.504
55	29.975	38.453	32.424	36.403	29.188	20.803	17.138
60	9.857	8.557	11.218	6.856	5.372	6.263	5.298
65	7.779	6.628	7.755	3.518	4.624	4.978	4.592
70	6.963	5.853	7.162	3.912	2.872	3.111	3.199
75	6.354	6.186	6.547	2.274	2.510	2.279	1.804
80	5.736	5.433	7.783	3.277	2.725	1.671	2.764
85	4.837	4.486	5.924	1.467	1.802	1.213	1.369
90	2.802	3.782	4.102	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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00616\_14 ~ C0808XT-10LXXK-XNEX-TCY-NLXXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	397.67	N.A.	45.30
0-30	553.97	N.A.	63.00
0-40	731.89	N.A.	83.30
0-60	864.43	N.A.	98.40
0-80	874.85	N.A.	99.60
0-90	878.27	N.A.	99.90
10-90	646.41	N.A.	73.60
20-40	334.22	N.A.	38.00
20-50	430.51	N.A.	49.00
40-70	138.24	N.A.	15.70
60-80	10.42	N.A.	1.20
70-80	4.72	N.A.	0.50
80-90	3.42	N.A.	0.40
90-110	0.47	N.A.	0.10
90-120	0.47	N.A.	0.10
90-130	0.47	N.A.	0.10
90-150	0.47	N.A.	0.10
90-180	0.47	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	878.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	231.86
10-20	165.81
20-30	156.30
30-40	177.92
40-50	96.29
50-60	36.25
60-70	5.70
70-80	4.72
80-90	3.42
90-100	0.47
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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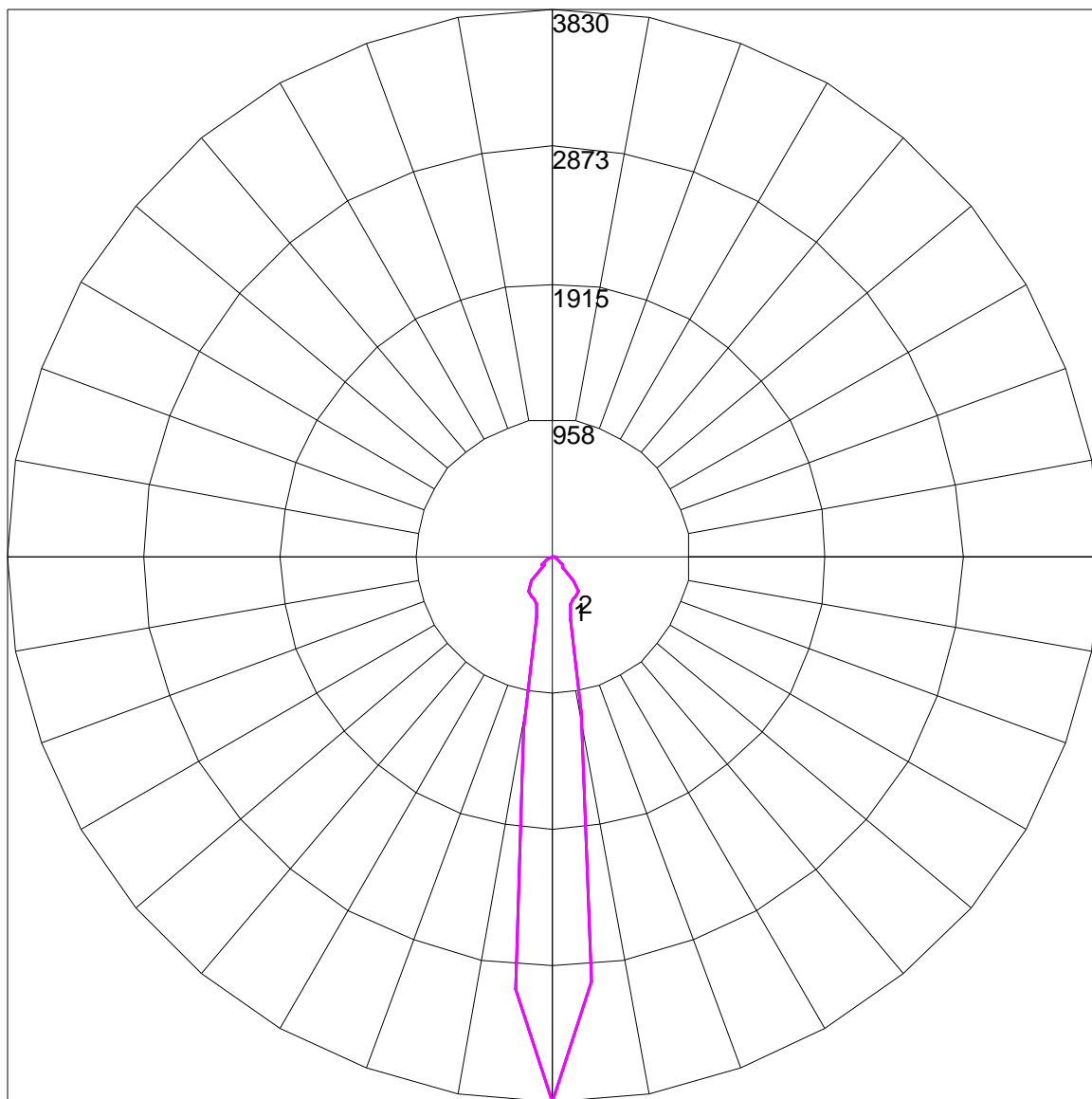
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	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	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	85	82	81
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	79	77	75
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67
7	84	75	70	65	83	75	69	65	73	69	65	72	68	65	71	67	64	63
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	60	56	74	65	60	56	64	59	56	63	59	56	63	59	56	54

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POLAR GRAPH



Maximum Candela = 3830.48 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)