

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00616_13 ~ C0808XT-13LXXK-XNEX-TCY-GLXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00616_13_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 9/20/2017
 [UPDATE] 3/9/2018
 [LUMCAT] C0808XT-13L-xxK-XN-EX-TCY-GL
 [LUMINAIRE] Nom. 8" Diam. x 8" H. Accent Biaxial Adjustable Downlight Cylinder
 [OTHER] Internal Reflector, Xtra NARrow Beam
 [OTHER] Clear Glass Lens, Flush with Lower Trim
 [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	1180
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	18.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.28
Spacing Criterion (90-270)	0.28
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11194	12298	11584
55	8448	7656	9919
65	1242	1097	1808
75	1150	2032	2352
85	1608	1928	2083

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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	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569
5	3912.185	3770.973	3978.662	3832.639	3943.080	3882.745	3934.090	3857.125	3943.890	3932.170
10	1634.400	1725.752	1809.118	1631.434	1697.086	1803.768	1722.792	1830.688	1645.120	1829.130
15	611.181	695.228	628.808	639.125	599.525	640.263	591.696	673.938	585.091	665.871
20	486.983	488.556	481.848	487.509	481.827	471.856	468.232	477.385	477.249	480.260
25	464.129	463.047	460.224	462.138	449.899	442.542	443.767	447.816	451.161	452.425
30	425.922	427.227	427.023	430.704	426.079	415.887	417.678	415.077	416.736	413.514
35	376.260	381.218	376.585	382.751	386.270	375.727	375.089	375.157	373.759	367.423
40	275.773	259.060	300.548	300.160	298.083	281.209	303.062	273.586	285.230	270.327
45	112.936	139.316	124.077	125.938	116.877	121.258	104.991	124.000	87.396	92.446
50	108.000	111.370	98.259	122.496	109.466	111.165	112.503	107.042	104.036	110.580
55	69.141	54.877	62.653	57.772	81.178	86.349	90.360	78.215	86.675	95.483
60	9.693	12.295	9.236	12.269	13.164	15.369	13.802	18.482	16.295	23.980
65	7.492	7.595	6.612	9.426	10.905	10.224	9.539	11.010	13.001	11.784
70	6.329	6.705	6.674	9.133	9.847	10.048	9.222	11.762	9.940	10.706
75	4.246	7.233	7.504	8.013	8.685	11.510	11.465	10.663	10.231	12.143
80	5.045	4.625	5.643	5.551	5.821	9.390	9.898	8.933	9.873	8.763
85	2.000	1.840	2.398	3.089	2.590	6.453	6.289	7.608	9.090	6.412
90	0.000	0.000	0.000	0.000	0.000	4.998	4.175	5.091	4.692	4.253
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	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569	5104.569
5	3781.396	4001.749	3814.906	3759.927	3800.365	3791.088	3912.185
10	1707.098	1729.207	1600.194	1715.860	1637.018	1761.837	1634.400
15	690.223	626.218	639.082	688.240	656.061	689.163	611.181
20	482.822	488.109	487.562	478.596	480.758	482.939	486.983
25	450.375	460.266	460.902	449.416	454.832	456.131	464.129
30	408.679	426.872	426.614	417.524	419.726	420.641	425.922
35	367.264	377.958	381.638	375.102	374.967	378.467	376.260
40	234.981	282.599	264.398	232.627	246.804	247.754	275.773
45	120.850	91.879	100.056	122.555	119.876	126.483	112.936

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50	107.538	118.914	112.341	112.720	110.495	117.148	108.000
55	75.713	94.809	77.880	66.254	68.958	77.321	69.141
60	25.912	17.610	17.961	15.632	15.550	19.816	9.693
65	9.773	12.693	13.012	6.785	8.946	7.044	7.492
70	9.671	12.228	11.322	5.751	5.769	6.781	6.329
75	10.681	14.312	13.548	6.411	6.646	5.216	4.246
80	10.284	13.593	13.164	4.698	3.823	4.480	5.045
85	5.039	9.028	7.976	2.721	2.157	1.188	2.000
90	4.708	4.800	4.894	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	540.20	N.A.	45.80
0-30	749.11	N.A.	63.50
0-40	974.82	N.A.	82.60
0-60	1154.07	N.A.	97.80
0-80	1174.35	N.A.	99.50
0-90	1179.68	N.A.	99.90
10-90	872.46	N.A.	73.90
20-40	434.62	N.A.	36.80
20-50	551.75	N.A.	46.70
40-70	190.24	N.A.	16.10
60-80	20.28	N.A.	1.70
70-80	9.29	N.A.	0.80
80-90	5.33	N.A.	0.50
90-110	0.64	N.A.	0.10
90-120	0.64	N.A.	0.10
90-130	0.64	N.A.	0.10
90-150	0.64	N.A.	0.10
90-180	0.64	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	1180.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	307.22
10-20	232.97
20-30	208.91
30-40	225.71
40-50	117.13
50-60	62.13
60-70	10.99
70-80	9.29
80-90	5.33
90-100	0.64
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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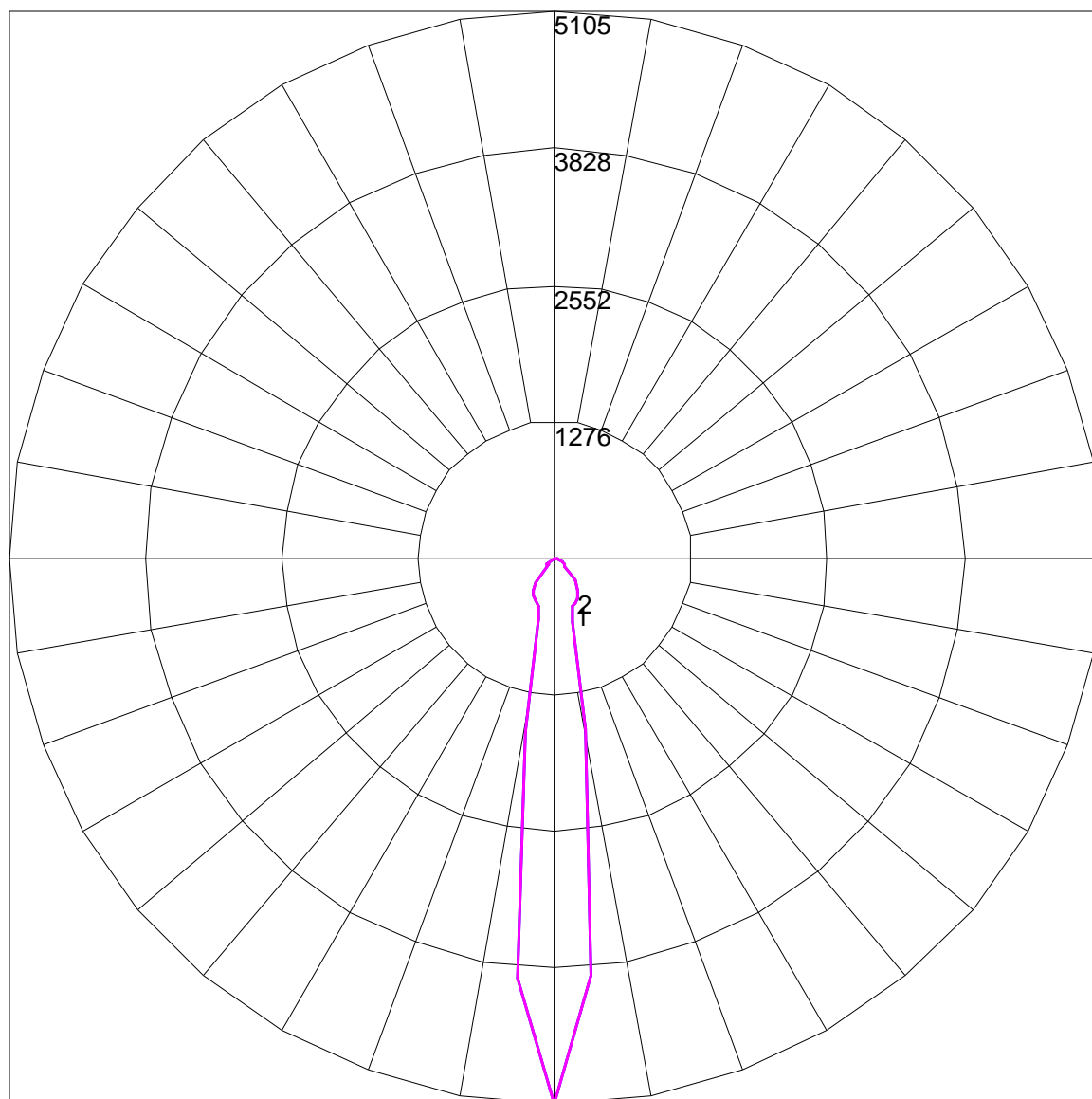
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	99	98	97	96	95	93
2	108	103	98	95	105	101	97	94	98	94	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	90	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	65	72	68	64	71	67	64	63
8	81	71	66	62	79	71	65	62	70	65	61	69	64	61	68	64	61	59
9	77	68	62	59	76	68	62	59	67	62	58	66	61	58	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54

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POLAR GRAPH



Maximum Candela = 5104.569 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)