

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00616\_5 ~ C0808XT-10LXXK-NDEX-TCY-GLXXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] SP-00616\_5\_M-10L  
[TESTLAB] VLS-245-981  
[MANUFAC] Spectrum Lighting  
[ISSUE DATE] 9/20/2017  
[UPDATE] 3/9/2018  
[LUMCAT] C0808XT-10L-xxK-ND-EX-TCY-GL  
[LUMINAIRE] Nom. 8" Diam. x 8" H. Accent Biaxial Adjustable Downlight Cylinder  
[OTHER] Internal Reflector, Medium Beam  
[OTHER] Clear Glass Lens, Flush with Lower Trim  
[OTHER] 20.3 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	899
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	9.1
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-00616\_5 ~ C0808XT-10LXXK-NDEX-TCY-GLXXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12486	13240	12291
55	6819	6680	6827
65	1167	1343	1345
75	1926	1779	1596
85	1448	1882	1919

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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	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149
5	2313.005	2379.974	2343.642	2372.566	2308.956	2241.978	2253.747	2149.999	2181.010	2111.264
10	1433.604	1520.153	1468.489	1509.526	1415.175	1340.716	1344.238	1231.698	1260.750	1183.941
15	729.232	781.624	744.563	765.409	701.169	658.777	654.687	595.653	607.618	570.040
20	427.850	444.842	428.506	433.181	405.140	393.780	391.677	378.539	380.995	373.367
25	355.064	358.858	353.451	351.595	342.575	338.091	339.195	339.448	340.837	341.678
30	332.017	334.965	331.216	328.923	322.874	318.864	320.058	319.032	321.461	319.808
35	299.988	305.081	300.846	300.868	294.170	287.787	287.149	277.874	278.862	269.244
40	219.914	233.657	228.596	231.536	217.140	200.294	197.607	177.251	175.954	162.554
45	125.972	133.115	133.576	129.052	124.004	110.088	108.626	98.158	94.373	88.899
50	89.719	90.612	88.699	88.716	86.086	84.999	86.693	83.774	78.704	76.859
55	55.803	58.297	54.671	58.313	55.874	53.613	59.193	54.677	55.096	49.706
60	17.518	19.013	18.098	19.332	18.953	18.027	20.989	19.272	20.558	18.826
65	7.040	7.432	8.097	7.621	8.110	9.365	11.300	10.375	10.937	9.808
70	6.848	8.130	6.944	6.591	7.029	8.644	8.954	10.508	9.958	10.882
75	7.113	5.460	6.571	5.892	5.893	9.108	10.364	9.980	11.114	9.840
80	3.823	5.081	4.729	4.760	4.716	8.995	7.834	8.547	9.114	8.303
85	1.801	2.192	2.340	2.608	2.386	6.336	4.931	4.984	5.540	5.194
90	0.768	0.224	0.595	0.273	0.411	2.856	1.342	3.371	1.304	3.868
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	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149	2684.149
5	2159.645	2110.877	2174.616	2253.819	2240.284	2333.325	2313.005
10	1237.983	1191.466	1265.728	1353.413	1345.742	1454.898	1433.604
15	596.136	575.785	617.470	671.653	675.086	740.806	729.232
20	382.347	375.938	390.826	405.339	408.523	431.964	427.850
25	344.307	343.178	345.735	350.264	350.247	355.379	355.064
30	323.228	321.070	325.334	329.871	330.026	333.575	332.017
35	276.930	269.975	284.434	290.559	291.893	301.295	299.988
40	169.087	164.921	177.099	193.440	197.465	219.053	219.914
45	94.144	94.273	94.928	106.526	109.793	123.198	125.972

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<b>50</b>	82.430	81.032	86.214	83.800	85.798	89.667	89.719
<b>55</b>	53.933	49.332	53.927	54.841	52.965	57.435	55.803
<b>60</b>	18.453	17.555	16.155	18.267	16.400	18.292	17.518
<b>65</b>	9.678	10.611	8.574	7.679	8.587	7.831	7.040
<b>70</b>	9.165	9.551	9.229	5.346	5.691	5.904	6.848
<b>75</b>	9.718	10.018	9.333	6.361	7.074	6.409	7.113
<b>80</b>	8.621	8.546	8.798	4.286	4.523	4.124	3.823
<b>85</b>	4.891	4.828	5.881	1.370	1.701	1.952	1.801
<b>90</b>	1.471	2.775	2.889	0.414	0.449	0.171	0.768
<b>95</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	395.28	N.A.	44.00
0-30	559.08	N.A.	62.20
0-40	730.70	N.A.	81.30
0-60	874.78	N.A.	97.40
0-80	893.92	N.A.	99.50
0-90	898.11	N.A.	100.00
10-90	710.65	N.A.	79.10
20-40	335.42	N.A.	37.30
20-50	432.08	N.A.	48.10
40-70	155.05	N.A.	17.30
60-80	19.15	N.A.	2.10
70-80	8.17	N.A.	0.90
80-90	4.19	N.A.	0.50
90-110	0.40	N.A.	0.00
90-120	0.40	N.A.	0.00
90-130	0.40	N.A.	0.00
90-150	0.40	N.A.	0.00
90-180	0.40	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	898.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	187.46
10-20	207.82
20-30	163.80
30-40	171.62
40-50	96.66
50-60	47.41
60-70	10.98
70-80	8.17
80-90	4.19
90-100	0.40
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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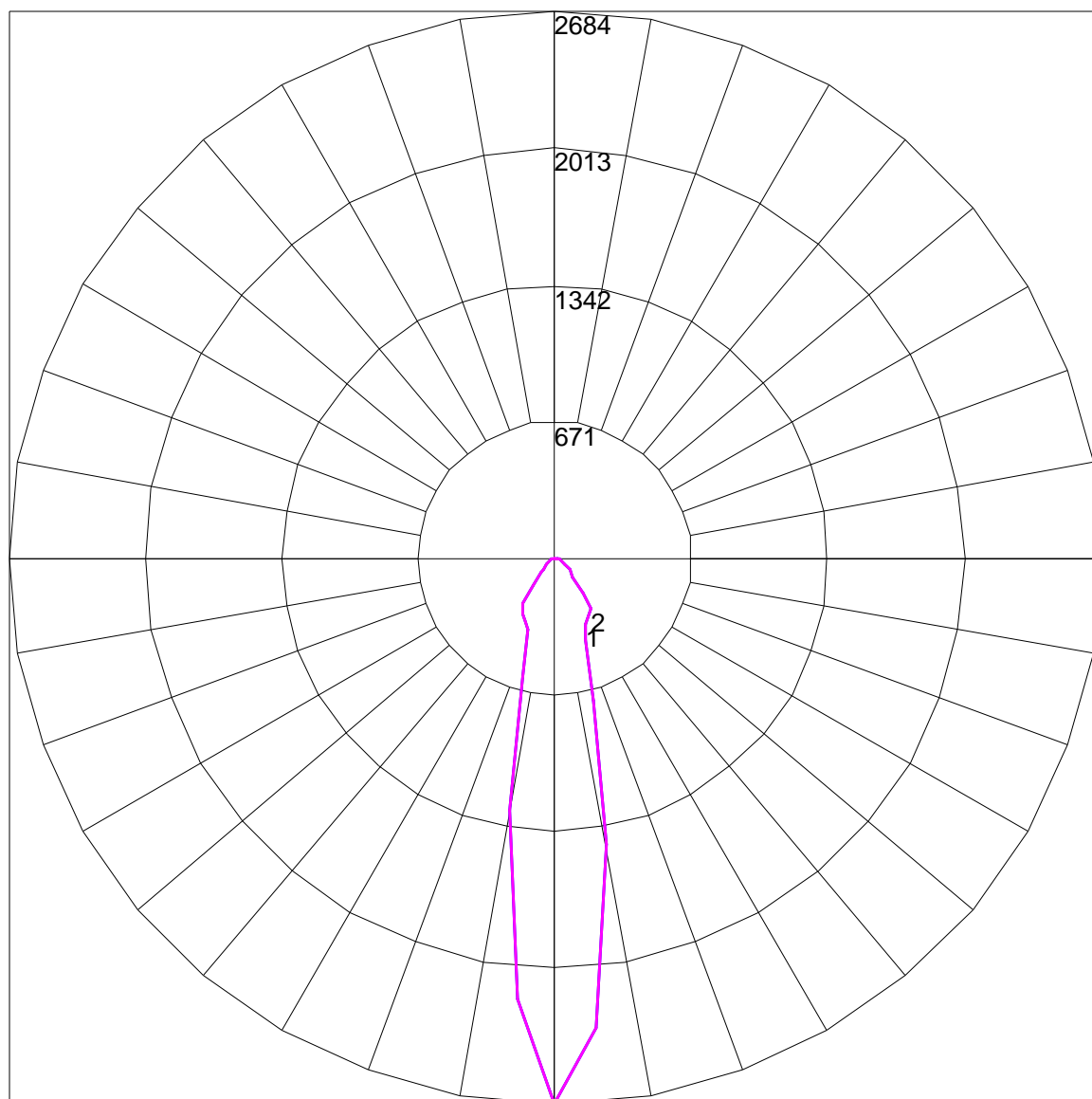
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	102	100	100	99	97	97	95	94	92
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	88	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	75	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	59	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 = 2684.149 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)