

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00616_15 ~ C0808XT-20LXXK-XNEX-TCY-SOXXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00616_15
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/20/2017
 [UPDATE] 3/9/2018
 [LUMCAT] C0808XT-20L-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1743
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	35.5
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	22221	23737	24052
55	10248	9591	10195
65	5792	5753	5746
75	4288	4595	5281
85	2809	4072	3176

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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	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885
5	3890.828	3832.215	3818.273	3797.815	3801.483	3802.798	3836.936	3805.722	3851.290	3847.377
10	2465.109	2489.856	2487.615	2509.447	2466.568	2464.562	2433.973	2494.173	2494.998	2477.015
15	1371.170	1418.608	1423.082	1491.345	1419.982	1395.474	1367.772	1452.368	1444.755	1369.965
20	881.396	906.397	913.615	963.760	909.027	878.235	870.198	927.804	920.566	858.488
25	718.930	730.467	736.079	749.615	716.901	703.723	702.679	718.779	711.678	690.213
30	638.942	646.521	650.130	650.439	637.113	631.232	630.876	622.951	619.849	610.996
35	525.190	532.460	541.149	540.332	533.696	527.187	518.793	517.822	511.346	502.364
40	368.731	380.424	385.698	384.920	383.726	383.657	378.102	372.797	365.041	362.373
45	224.195	239.501	239.491	240.372	242.661	251.332	247.348	240.678	237.694	233.454
50	134.704	140.100	137.550	145.440	143.868	150.029	149.232	151.885	150.188	142.490
55	83.872	82.373	78.496	86.377	83.437	88.540	92.631	93.522	94.507	91.538
60	49.365	52.374	48.652	52.802	52.431	59.803	60.866	58.951	62.482	61.153
65	34.923	35.762	34.688	33.259	34.649	45.218	44.232	43.140	45.176	42.514
70	23.470	25.509	24.921	23.893	25.713	34.556	32.216	33.850	34.130	33.012
75	15.834	16.344	16.968	17.659	19.502	25.066	25.908	25.682	25.665	26.216
80	9.838	8.277	9.593	11.632	10.500	20.535	19.059	21.693	19.630	17.323
85	3.493	4.613	5.064	3.860	3.949	14.288	12.406	12.398	13.337	11.866
90	0.000	0.000	0.000	0.000	0.000	8.737	7.958	7.099	8.155	8.417
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	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885	4504.885
5	3857.024	3871.016	3830.423	3864.953	3940.430	3859.876	3890.828
10	2509.174	2500.928	2497.893	2458.171	2414.293	2508.230	2465.109
15	1395.341	1391.025	1406.417	1318.093	1266.456	1410.601	1371.170
20	866.265	874.831	878.801	825.289	807.166	892.899	881.396
25	693.034	698.761	701.596	687.640	693.729	719.563	718.930
30	609.239	614.213	614.665	617.948	628.571	629.159	638.942
35	499.745	501.121	502.279	497.079	503.628	516.039	525.190
40	363.748	358.954	358.970	354.907	359.435	371.492	368.731
45	237.369	224.598	230.612	224.135	232.367	232.279	224.195

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50	144.437	143.447	143.145	132.249	133.947	142.736	134.704
55	93.217	89.770	88.886	80.033	80.227	85.176	83.872
60	61.084	57.476	59.193	53.827	52.479	49.473	49.365
65	42.884	41.151	43.692	37.957	34.720	33.404	34.923
70	32.572	31.533	32.110	24.483	25.451	23.524	23.470
75	23.572	25.759	24.478	17.324	17.121	16.072	15.834
80	19.393	17.762	20.228	9.092	9.451	8.629	9.838
85	11.824	12.650	10.605	3.188	3.522	3.928	3.493
90	8.194	7.979	6.917	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	744.04	N.A.	42.70
0-30	1080.98	N.A.	62.00
0-40	1397.73	N.A.	80.20
0-60	1669.68	N.A.	95.80
0-80	1732.63	N.A.	99.40
0-90	1742.13	N.A.	99.90
10-90	1416.1	N.A.	81.20
20-40	653.68	N.A.	37.50
20-50	842.64	N.A.	48.30
40-70	312.27	N.A.	17.90
60-80	62.95	N.A.	3.60
70-80	22.63	N.A.	1.30
80-90	9.50	N.A.	0.50
90-110	1.09	N.A.	0.10
90-120	1.09	N.A.	0.10
90-130	1.09	N.A.	0.10
90-150	1.09	N.A.	0.10
90-180	1.09	N.A.	0.10
110-180	0.00	N.A.	0.00
0-180	1743.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	326.03
10-20	418.01
20-30	336.94
30-40	316.74
40-50	188.96
50-60	82.99
60-70	40.31
70-80	22.63
80-90	9.50
90-100	1.09
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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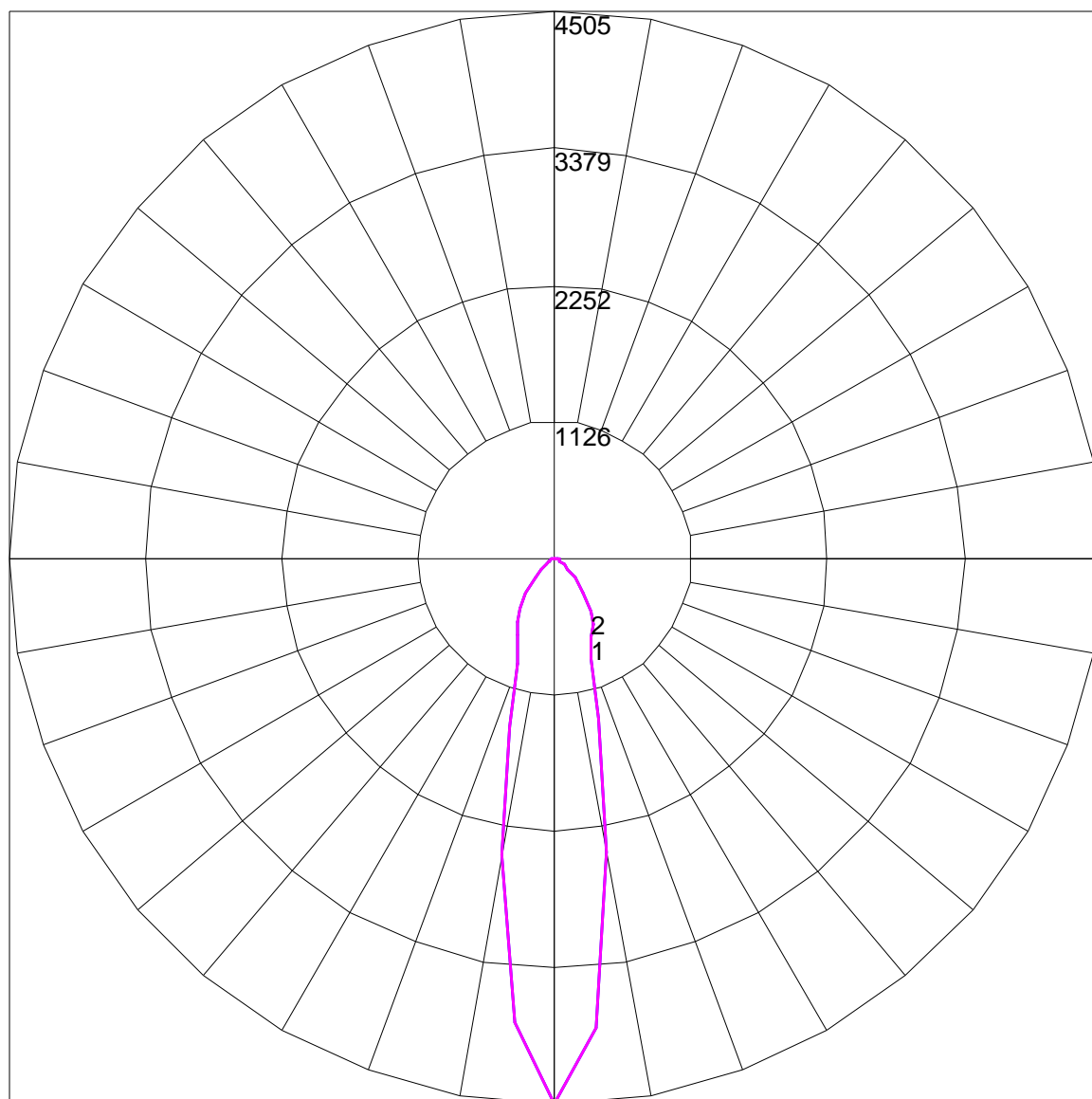
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4504.885 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)