

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00724_2 ~ CP0608XT-10L35K-OSD-EX-FASFA-PT.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00724_2_M-10L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 10/17/2018
 [UPDATE] 10/30/2018
 [LUMCAT] CP0608XT-10L-35K-OSD-EX-FASFA-PT
 [LUMINAIRE] Nom 6" diam x 8.2" H, Carli Pendant decorative luminaire
 [LAMPCAT] N/A
 [LAMP] N/A, 19mm LES
 [OTHER] Open Spherical Diffuser at LED
 [OTHER] Frosted Acrylic Lens
 [OTHER] Frosted Acrylic Shade
 [OTHER] 83.1% Downlight
 [OTHER] 16.9% Uplight
 [OTHER] Luminaire tested with Platinum painted finish
 [OTHER] Total Luminaire watts is approximate
 [OTHER] This report prepared by Spectrum Lighting,scaled from 20L
 [_CRI] 83
 [_CCTMULT] Same for all available CCT's
 [_LAMPMULT] 10L x 0.48, 13L x 0.65

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	322
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	9.1
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.64
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.50 ft (Diameter)
Luminous Width (90-270)	0.50 ft (Diameter)
Luminous Height	0.12 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00724_2 ~ CP0608XT-10L35K-OSD-EX-FASFA-PT.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2156	2219	2268
55	1444	1566	1585
65	1682	1827	1704
75	2002	2213	2173
85	2818	2897	2771

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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>
0.0	272.000	272.000	272.000	272.000	272.000	272.000	272.000	272.000	272.000	272.000
2.5	271.496	271.766	270.812	271.999	271.583	272.250	272.914	273.123	271.740	272.502
5.0	270.866	272.184	270.676	271.912	271.102	268.852	269.588	268.636	268.093	267.225
7.5	268.428	267.572	267.707	266.946	269.372	265.019	265.643	262.932	262.685	260.600
10.0	248.832	252.005	249.731	252.484	250.271	242.546	244.147	240.804	240.675	237.168
12.5	227.119	230.593	228.627	231.697	229.442	218.997	221.558	216.210	216.901	211.367
15.0	194.118	199.671	196.294	201.496	197.371	184.828	188.095	183.023	184.001	179.012
17.5	161.485	168.325	164.437	169.897	165.339	151.051	155.262	149.209	151.853	146.240
20.0	130.155	136.443	133.776	136.707	133.460	121.836	125.892	121.360	122.357	118.858
22.5	102.864	109.877	106.832	109.413	105.157	94.942	99.459	94.449	97.018	92.506
25.0	85.634	88.503	86.785	87.409	87.122	81.705	83.655	81.556	82.005	80.350
27.5	72.621	75.403	72.742	75.002	73.268	70.553	71.475	70.000	71.069	69.386
30.0	67.471	68.495	67.371	69.180	68.125	67.520	68.496	67.950	67.603	66.638
32.5	62.197	63.164	62.235	64.086	63.531	64.182	64.957	65.237	63.553	63.371
35.0	56.746	58.741	57.359	59.367	59.797	60.021	60.358	59.615	58.671	57.926
37.5	51.506	53.796	52.550	54.256	55.132	55.133	55.494	54.015	53.509	52.365
40.0	46.499	48.623	47.798	48.991	49.327	48.812	50.243	48.476	48.041	46.467
42.5	41.441	43.195	42.714	43.613	43.698	43.115	44.880	43.044	42.521	40.881
45.0	36.340	37.688	37.410	38.203	38.233	38.374	39.390	37.845	36.957	35.965
47.5	32.068	33.351	32.878	33.888	33.823	33.953	34.423	33.084	32.235	31.147
50.0	28.344	29.267	28.732	29.764	30.173	29.904	29.915	29.050	28.068	26.488
52.5	24.952	26.274	25.903	26.641	26.902	26.125	26.102	25.668	24.739	23.336
55.0	21.725	23.420	23.564	23.618	23.843	22.590	22.755	23.103	21.824	22.024
57.5	21.048	22.415	23.032	23.092	22.877	21.450	21.214	21.629	20.839	21.277
60.0	21.325	21.521	22.977	22.660	22.781	21.998	20.584	21.222	20.549	21.073
62.5	21.427	22.254	23.135	22.973	22.326	22.221	20.779	21.232	20.963	21.009
65.0	21.485	22.890	23.330	23.199	21.765	22.271	21.289	21.560	21.559	21.047
67.5	20.900	22.391	22.878	22.645	21.797	21.854	20.619	21.498	20.965	21.022
70.0	20.211	21.880	22.370	22.116	21.949	21.254	19.635	21.211	20.177	20.960
72.5	20.203	21.298	22.388	21.715	21.972	20.768	19.421	20.715	20.191	20.651
75.0	20.255	20.698	22.382	21.373	21.979	20.314	19.336	20.126	20.271	20.236
77.5	20.025	20.024	21.732	21.231	21.124	19.724	19.343	19.918	19.827	20.057
80.0	19.814	19.572	21.127	20.981	20.249	19.109	19.360	19.829	19.418	19.950
82.5	20.016	19.717	20.897	20.469	20.016	19.140	18.924	19.776	19.769	20.230
85.0	20.144	19.891	20.713	20.268	19.814	19.238	18.490	19.730	20.088	20.588
87.5	19.674	20.124	20.751	20.625	19.936	19.241	18.283	19.465	20.152	20.408
90.0	19.252	20.281	20.679	20.764	20.063	19.218	18.127	19.172	20.139	20.164
92.5	19.052	20.321	20.255	20.602	20.217	18.527	18.401	19.638	19.767	20.312
95.0	18.907	20.102	19.819	20.476	20.203	17.967	18.498	20.125	19.534	20.466
97.5	18.933	19.581	19.351	20.390	19.576	18.618	17.751	19.535	19.733	20.097
100.0	18.699	19.175	18.997	20.045	19.097	19.064	17.256	18.974	19.675	19.713
102.5	17.864	18.872	18.839	19.488	18.999	18.437	17.563	18.772	19.030	19.164
105.0	17.282	18.049	18.575	18.139	18.484	16.824	17.511	18.460	18.333	18.632
107.5	17.133	16.860	18.170	16.287	17.172	11.835	16.609	17.470	17.544	18.204
110.0	16.695	16.388	17.522	11.166	13.644	7.214	15.553	16.516	16.795	17.646
112.5	15.879	16.297	16.621	4.466	6.868	3.495	14.229	15.698	16.098	16.601
115.0	14.736	15.181	14.136	1.946	2.706	1.028	11.873	14.799	15.295	15.569
117.5	13.256	13.657	10.386	0.893	1.477	0.868	8.129	13.676	14.385	14.571
120.0	11.897	12.598	6.711	0.639	0.855	0.727	5.079	12.337	12.382	12.983
122.5	10.633	11.672	3.081	0.580	0.770	0.613	2.757	10.565	9.518	10.248
125.0	7.869	9.180	1.557	0.544	0.637	0.512	1.511	8.077	6.455	7.284

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CANDELA TABULATION - (Cont.)

127.5	4.190	6.398	1.020	0.511	0.473	0.427	1.128	4.511	3.272	3.979
130.0	2.398	4.182	0.765	0.570	0.510	0.437	0.875	2.169	1.737	1.870
132.5	1.480	2.023	0.605	0.636	0.651	0.527	0.703	1.278	0.962	1.137
135.0	1.050	1.371	0.571	0.491	0.589	0.598	0.618	0.847	0.787	0.824
137.5	0.784	0.787	0.566	0.355	0.450	0.657	0.573	0.836	0.812	0.882
140.0	0.699	0.773	0.544	0.386	0.442	0.540	0.518	0.770	0.728	0.811
142.5	0.657	0.755	0.520	0.411	0.469	0.336	0.459	0.665	0.620	0.649
145.0	0.740	0.699	0.505	0.396	0.478	0.378	0.396	0.555	0.628	0.549
147.5	0.842	0.646	0.491	0.396	0.484	0.509	0.333	0.442	0.653	0.481
150.0	0.683	0.602	0.433	0.471	0.549	0.514	0.387	0.472	0.572	0.503
152.5	0.509	0.581	0.387	0.542	0.619	0.487	0.459	0.559	0.484	0.560
155.0	0.545	0.633	0.511	0.599	0.552	0.420	0.594	0.578	0.528	0.632
157.5	0.591	0.654	0.589	0.627	0.487	0.346	0.720	0.577	0.564	0.710
160.0	0.715	0.611	0.448	0.601	0.477	0.382	0.587	0.568	0.538	0.615
162.5	0.765	0.555	0.393	0.614	0.435	0.426	0.544	0.580	0.522	0.527
165.0	0.696	0.488	0.453	0.656	0.335	0.484	0.693	0.693	0.523	0.534
167.5	0.610	0.657	0.432	0.669	0.439	0.495	0.568	0.618	0.481	0.540
170.0	0.536	0.608	0.481	0.579	0.539	0.476	0.505	0.519	0.578	0.539
172.5	0.467	0.486	0.521	0.499	0.552	0.478	0.577	0.598	0.715	0.532
175.0	0.426	0.528	0.445	0.500	0.497	0.585	0.545	0.704	0.577	0.532
177.5	0.416	0.550	0.520	0.593	0.400	0.553	0.641	0.558	0.605	0.391
180.0	0.547	0.547	0.547	0.547	0.547	0.547	0.547	0.547	0.547	0.547

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>
0.0	272.000	272.000	272.000	272.000	272.000	272.000	272.000
2.5	272.080	271.612	272.507	271.916	271.043	272.200	271.496
5.0	267.291	266.029	268.136	270.520	269.778	271.903	270.866
7.5	261.760	259.018	261.543	265.153	265.516	266.435	268.428
10.0	238.512	235.477	238.738	246.999	246.183	250.063	248.832
12.5	214.314	209.061	214.033	224.732	223.792	228.009	227.119
15.0	181.406	176.103	180.857	193.007	191.069	196.984	194.118
17.5	149.205	142.533	148.739	161.314	158.519	165.063	161.485
20.0	120.595	116.482	119.811	129.677	126.391	132.031	130.155
22.5	95.174	91.200	95.398	103.386	99.508	105.364	102.864
25.0	80.835	79.697	80.952	84.234	82.069	84.744	85.634
27.5	69.753	69.154	70.385	72.289	70.255	73.009	72.621
30.0	66.664	66.753	66.303	67.717	66.336	67.736	67.471
32.5	62.989	63.773	62.154	63.170	61.953	62.771	62.197
35.0	58.253	58.002	57.920	58.644	57.072	57.979	56.746
37.5	53.035	52.280	53.087	53.394	51.770	53.016	51.506
40.0	47.136	46.720	47.664	47.699	46.122	47.981	46.499
42.5	41.551	41.285	42.131	42.473	40.971	42.305	41.441
45.0	36.305	36.145	36.514	37.462	36.144	36.437	36.340
47.5	31.526	31.320	31.811	33.054	31.383	32.107	32.068
50.0	27.140	27.044	27.640	28.854	26.654	28.093	28.344
52.5	24.072	23.533	24.362	25.190	23.934	24.832	24.952
55.0	21.863	21.070	21.484	21.651	21.921	21.659	21.725
57.5	20.816	20.133	20.773	21.425	21.135	21.879	21.048
60.0	20.337	20.798	20.759	21.666	20.659	22.229	21.325
62.5	20.428	20.925	20.826	22.153	20.775	22.281	21.427
65.0	20.726	20.618	20.910	22.656	20.985	22.272	21.485

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67.5	20.620	20.086	21.271	22.554	21.134	21.630	20.900
70.0	20.410	19.413	21.669	22.445	21.278	21.134	20.211
72.5	19.900	19.282	21.058	22.227	21.410	21.456	20.203
75.0	19.341	19.407	20.397	21.972	21.525	21.603	20.255
77.5	19.396	19.329	20.113	21.457	21.371	21.098	20.025
80.0	19.500	19.183	19.851	21.018	21.219	20.801	19.814
82.5	19.032	19.123	19.853	20.897	21.090	21.044	20.016
85.0	18.593	19.085	19.794	20.739	20.986	21.048	20.144
87.5	18.772	18.815	19.351	20.476	20.992	20.589	19.674
90.0	18.948	18.509	19.056	20.342	20.966	20.535	19.252
92.5	19.097	18.271	19.329	20.484	20.843	21.082	19.052
95.0	19.179	18.038	19.449	20.664	20.643	21.091	18.907
97.5	18.960	17.762	19.143	20.904	20.269	20.489	18.933
100.0	18.699	17.503	18.754	20.459	19.842	19.954	18.699
102.5	18.311	17.509	18.197	19.165	19.326	19.477	17.864
105.0	17.848	16.813	17.078	17.664	18.836	18.936	17.282
107.5	17.215	11.311	15.089	15.963	18.381	18.351	17.133
110.0	16.209	6.309	11.277	11.413	17.578	17.641	16.695
112.5	14.569	3.485	5.284	4.759	16.430	16.867	15.879
115.0	11.812	1.284	1.988	1.860	13.811	16.077	14.736
117.5	7.615	0.928	1.169	1.093	10.052	15.281	13.256
120.0	4.439	0.649	0.703	0.732	6.491	13.717	11.897
122.5	2.304	0.539	0.488	0.546	3.045	11.941	10.633
125.0	1.235	0.447	0.446	0.548	1.595	8.702	7.869
127.5	0.998	0.385	0.499	0.608	1.032	5.205	4.190
130.0	0.793	0.409	0.540	0.645	0.861	3.091	2.398
132.5	0.607	0.543	0.576	0.677	0.816	1.107	1.480
135.0	0.528	0.600	0.577	0.706	0.743	0.994	1.050
137.5	0.498	0.582	0.570	0.734	0.664	0.928	0.784
140.0	0.507	0.524	0.580	0.683	0.619	0.875	0.699
142.5	0.529	0.436	0.594	0.627	0.580	0.815	0.657
145.0	0.559	0.465	0.506	0.562	0.559	0.698	0.740
147.5	0.590	0.563	0.407	0.504	0.542	0.598	0.842
150.0	0.486	0.570	0.395	0.517	0.702	0.588	0.683
152.5	0.364	0.537	0.388	0.539	0.837	0.590	0.509
155.0	0.433	0.501	0.471	0.621	0.645	0.631	0.545
157.5	0.506	0.463	0.526	0.648	0.476	0.644	0.591
160.0	0.469	0.433	0.418	0.512	0.411	0.601	0.715
162.5	0.498	0.415	0.393	0.507	0.423	0.571	0.765
165.0	0.660	0.446	0.492	0.633	0.533	0.551	0.696
167.5	0.596	0.433	0.538	0.515	0.594	0.584	0.610
170.0	0.521	0.437	0.577	0.440	0.563	0.703	0.536
172.5	0.515	0.509	0.564	0.505	0.506	0.749	0.467
175.0	0.476	0.453	0.466	0.577	0.512	0.584	0.426
177.5	0.531	0.511	0.495	0.563	0.415	0.608	0.416
180.0	0.547	0.547	0.547	0.547	0.547	0.547	0.547

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Zone	Lumens	%Lamp	%Fixt
0-20	76.69	N.A.	23.80
0-30	116.68	N.A.	36.20
0-40	153.03	N.A.	47.50
0-60	203.00	N.A.	62.90
0-80	246.21	N.A.	76.30
0-90	267.96	N.A.	83.10
10-90	242.88	N.A.	75.30
20-40	76.34	N.A.	23.70
20-50	105.28	N.A.	32.60
40-70	71.35	N.A.	22.10
60-80	43.22	N.A.	13.40
70-80	21.83	N.A.	6.80
80-90	21.74	N.A.	6.70
90-110	39.87	N.A.	12.40
90-120	49.77	N.A.	15.40
90-130	53.08	N.A.	16.50
90-150	54.08	N.A.	16.80
90-180	54.53	N.A.	16.90
110-180	14.66	N.A.	4.50
0-180	322.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.08
10-20	51.61
20-30	39.99
30-40	36.35
40-50	28.93
50-60	21.03
60-70	21.38
70-80	21.83
80-90	21.74
90-100	21.37
100-110	18.50
110-120	9.90
120-130	3.31
130-140	0.65
140-150	0.35
150-160	0.25
160-170	0.15
170-180	0.05

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

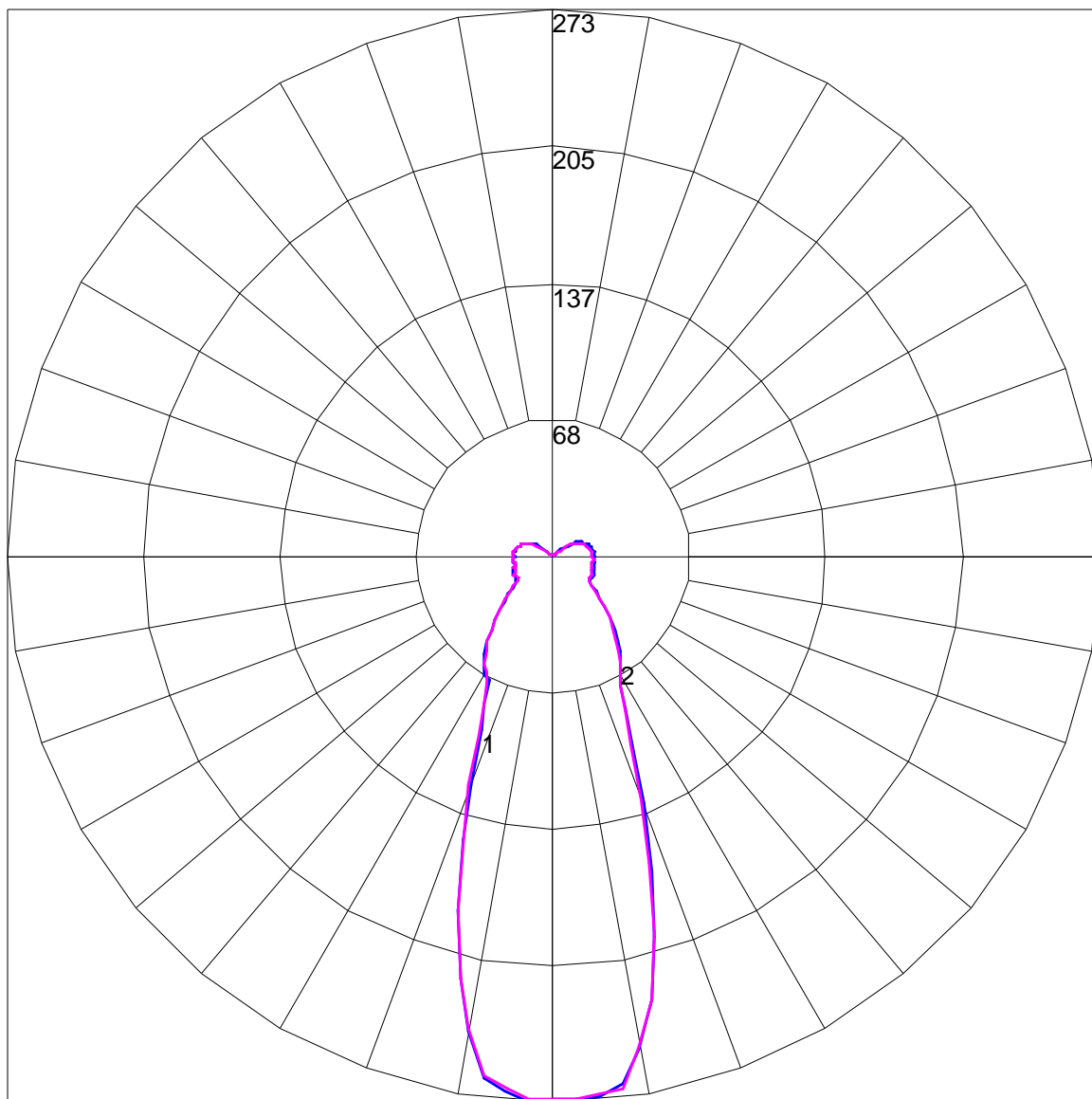
Effective Floor Cavity Reflectance 0.20

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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	83
1	104	99	94	90	100	95	91	87	88	84	81	81	78	76	75	73	71	67
2	96	88	81	75	91	84	78	73	78	73	69	72	68	65	67	64	61	58
3	88	79	71	65	85	76	69	63	70	65	60	65	61	57	61	57	54	51
4	82	71	63	57	79	69	61	56	64	58	53	60	55	51	56	52	48	46
5	77	65	57	51	73	63	56	50	59	53	48	55	50	46	52	48	44	42
6	72	60	52	46	69	58	51	45	55	48	44	51	46	42	48	44	40	38
7	67	55	48	42	65	54	47	41	51	45	40	48	43	39	45	41	37	35
8	64	52	44	39	61	50	43	38	48	41	37	45	40	36	43	38	35	33
9	60	48	41	36	58	47	40	35	45	39	34	42	37	33	40	36	32	31
10	57	45	38	34	55	44	38	33	42	36	32	40	35	31	38	34	30	29

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00724_2 ~ CP0608XT-10L35K-OSD-EX-FASFA-PT.IES

POLAR GRAPH



Maximum Candela = 273.123 Located At Horizontal Angle = 157.5, Vertical Angle = 2.5

1 - Vertical Plane Through Horizontal Angles (157.5 - 337.5) (Through Max. Cd.)

2 - Vertical Plane Through Horizontal Angles (0 - 180)