

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-55L35KEX-MWI-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00702_3
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 9/4/2018
 [LUMCAT] SD1612GV-55L-35K-EX-MWI-TF2
 [LUMINAIRE] Nom. 16" diam reflector x 13.4" H decorative Domo Pendant
 [OTHER] 4" Frosted Glass Dome
 [OTHER] 77.1 degree beam angle
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] This report generated by Spectrum Lighting
 [_CCTMULT]27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT]15L x 0.265, 27L x 0.463, 37L x 0.68
 [_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3828
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.06
Spacing Criterion (Diagonal)	1.12
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.34 ft (Diameter)
Luminous Width (90-270)	1.34 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-55L35KEX-MWI-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7368	7806	8054
55	4770	4974	5079
65	4131	4315	4385
75	3529	3725	3824
85	1941	2265	2536

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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	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370
2.5	2441.182	2442.771	2444.166	2444.747	2446.452	2433.336	2430.491	2422.150	2426.085	2416.399
5.0	2411.986	2421.337	2423.768	2429.495	2418.199	2401.847	2402.534	2386.862	2382.702	2372.542
7.5	2366.192	2378.083	2373.306	2378.506	2369.203	2347.392	2346.200	2327.837	2326.385	2310.535
10.0	2305.478	2321.172	2314.107	2322.891	2305.333	2281.798	2280.594	2262.327	2256.244	2241.043
12.5	2237.131	2253.105	2241.512	2247.156	2231.446	2204.974	2204.785	2187.019	2184.012	2164.814
15.0	2162.750	2179.347	2166.277	2169.965	2153.266	2127.478	2126.439	2111.343	2109.903	2090.362
17.5	2085.931	2102.928	2087.706	2092.764	2072.758	2049.427	2051.821	2035.216	2036.057	2017.209
20.0	2010.784	2025.439	2011.976	2015.697	1996.823	1975.491	1977.871	1962.181	1962.402	1945.270
22.5	1936.156	1950.181	1939.174	1942.870	1922.892	1904.388	1906.538	1892.286	1891.077	1874.050
25.0	1860.796	1875.628	1866.699	1870.200	1852.312	1834.323	1835.500	1822.673	1821.150	1802.792
27.5	1785.262	1802.913	1794.509	1799.390	1782.896	1764.835	1768.249	1753.298	1751.410	1731.515
30.0	1708.074	1730.637	1718.976	1727.531	1710.644	1693.087	1701.215	1681.474	1681.761	1655.728
32.5	1630.611	1642.618	1641.089	1648.531	1637.653	1620.341	1618.363	1607.976	1591.974	1578.204
35.0	1488.943	1551.990	1518.683	1554.726	1521.297	1497.883	1530.891	1479.020	1494.457	1427.471
37.5	1340.761	1362.866	1370.970	1389.523	1396.701	1357.701	1344.689	1319.020	1298.804	1255.206
40.0	1092.206	1163.397	1153.803	1206.686	1167.665	1135.146	1154.243	1098.172	1073.800	1021.888
42.5	838.747	930.322	904.124	962.205	925.385	890.412	919.418	849.762	860.209	774.832
45.0	683.225	695.898	723.872	746.948	746.820	719.218	700.842	682.037	649.175	632.241
47.5	532.105	584.267	569.059	609.464	572.455	562.556	583.806	542.814	545.312	505.675
50.0	465.845	475.469	484.451	496.137	498.844	485.679	478.569	466.045	457.802	443.715
52.5	401.826	420.601	419.351	434.932	427.598	419.461	424.082	406.271	405.372	387.548
55.0	358.789	367.582	374.131	381.864	382.071	374.875	373.763	363.535	356.212	348.889
57.5	317.777	331.758	333.095	342.810	337.717	331.846	337.223	324.210	322.885	311.039
60.0	288.502	297.030	300.935	307.668	306.302	300.747	302.331	292.919	290.237	281.849
62.5	259.065	268.620	270.022	277.971	274.836	269.906	271.616	262.683	261.602	252.699
65.0	228.952	239.831	239.159	247.475	243.025	239.518	240.994	233.284	232.912	224.207
67.5	199.691	209.568	208.404	216.075	212.215	209.299	210.550	203.974	203.559	195.708
70.0	172.508	179.833	180.422	185.863	184.759	180.155	181.161	175.288	174.525	167.175
72.5	145.898	151.002	152.907	156.401	157.281	151.831	152.867	147.794	146.456	139.779
75.0	119.780	123.961	126.431	130.831	129.782	124.754	126.612	122.881	119.985	113.929
77.5	95.266	98.264	101.048	104.771	104.212	101.768	100.784	97.142	94.479	89.469
80.0	70.353	74.621	75.880	77.901	78.795	77.190	74.951	71.615	68.426	65.693
82.5	45.278	49.206	50.487	53.072	53.067	50.568	50.583	47.325	45.081	41.496
85.0	22.188	28.316	25.887	29.597	28.990	26.839	26.550	24.542	21.461	17.918
87.5	4.816	7.220	7.630	9.272	10.481	8.013	8.439	5.700	5.132	3.572
90.0	1.001	0.476	1.268	0.416	1.108	1.105	0.389	1.104	0.576	0.970
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	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>
0.0	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370	2446.370
2.5	2419.233	2416.627	2426.780	2428.377	2424.014	2433.301	2441.182
5.0	2375.692	2374.439	2379.642	2389.681	2390.426	2407.651	2411.986
7.5	2312.750	2306.380	2320.279	2331.168	2331.220	2356.561	2366.192
10.0	2243.348	2236.546	2250.811	2261.844	2267.017	2296.837	2305.478
12.5	2170.248	2161.650	2177.110	2189.506	2195.038	2226.641	2237.131
15.0	2096.208	2087.118	2100.481	2115.863	2123.083	2153.664	2162.750
17.5	2021.866	2013.407	2026.387	2043.528	2051.158	2079.147	2085.931
20.0	1947.469	1940.754	1953.708	1971.650	1978.340	2004.340	2010.784
22.5	1875.858	1870.002	1881.812	1898.482	1904.591	1931.104	1936.156
25.0	1804.574	1798.554	1810.263	1824.975	1831.303	1858.060	1860.796
27.5	1732.853	1726.081	1737.238	1752.608	1758.415	1785.043	1785.262
30.0	1661.105	1644.498	1663.683	1680.460	1676.327	1712.028	1708.074
32.5	1561.856	1551.856	1555.226	1576.369	1587.763	1613.030	1630.611
35.0	1457.926	1402.474	1437.305	1468.178	1437.023	1509.492	1488.943
37.5	1235.778	1196.891	1220.766	1249.517	1249.839	1296.133	1340.761
40.0	1014.822	980.474	985.073	1023.425	1025.069	1081.807	1092.206
42.5	806.338	755.046	788.488	817.103	782.705	856.372	838.747
45.0	614.036	602.669	597.187	614.762	631.175	647.325	683.225
47.5	522.855	499.671	510.336	525.975	512.929	547.136	532.105
50.0	439.290	430.609	431.150	440.376	442.442	455.171	465.845
52.5	390.058	380.031	382.971	390.501	385.787	401.192	401.826
55.0	344.913	340.838	335.839	343.092	346.034	352.068	358.789
57.5	313.273	306.736	307.111	312.320	309.839	319.660	317.777
60.0	282.491	276.586	278.398	281.987	280.662	288.271	288.502
62.5	253.880	247.814	249.875	253.709	252.470	259.559	259.065
65.0	224.901	219.728	221.318	225.373	223.189	230.432	228.952

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67.5	195.198	191.819	192.553	196.855	193.877	200.475	199.691
70.0	166.756	164.320	164.330	168.505	166.221	171.306	172.508
72.5	139.624	137.131	137.337	140.412	139.204	142.977	145.898
75.0	113.086	111.050	111.240	114.436	113.608	116.871	119.780
77.5	87.832	85.499	85.917	89.492	89.086	91.512	95.266
80.0	64.924	61.226	61.927	65.311	65.094	66.688	70.353
82.5	41.153	38.826	38.588	41.039	41.584	43.895	45.278
85.0	18.385	15.675	16.563	17.772	19.583	20.239	22.188
87.5	3.195	2.690	2.263	2.978	4.449	4.208	4.816
90.0	0.498	1.020	0.807	0.473	1.063	0.535	1.001
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	824.25	N.A.	21.50
0-30	1670.00	N.A.	43.60
0-40	2570.98	N.A.	67.20
0-60	3441.15	N.A.	89.90
0-80	3798.2	N.A.	99.20
0-90	3827.91	N.A.	100.00
10-90	3602.95	N.A.	94.10
20-40	1746.73	N.A.	45.60
20-50	2290.24	N.A.	59.80
40-70	1099.91	N.A.	28.70
60-80	357.06	N.A.	9.30
70-80	127.32	N.A.	3.30
80-90	29.71	N.A.	0.80
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3828.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	224.96
10-20	599.29
20-30	845.75
30-40	900.98
40-50	543.51
50-60	326.66
60-70	229.74
70-80	127.32
80-90	29.71
90-100	0.11
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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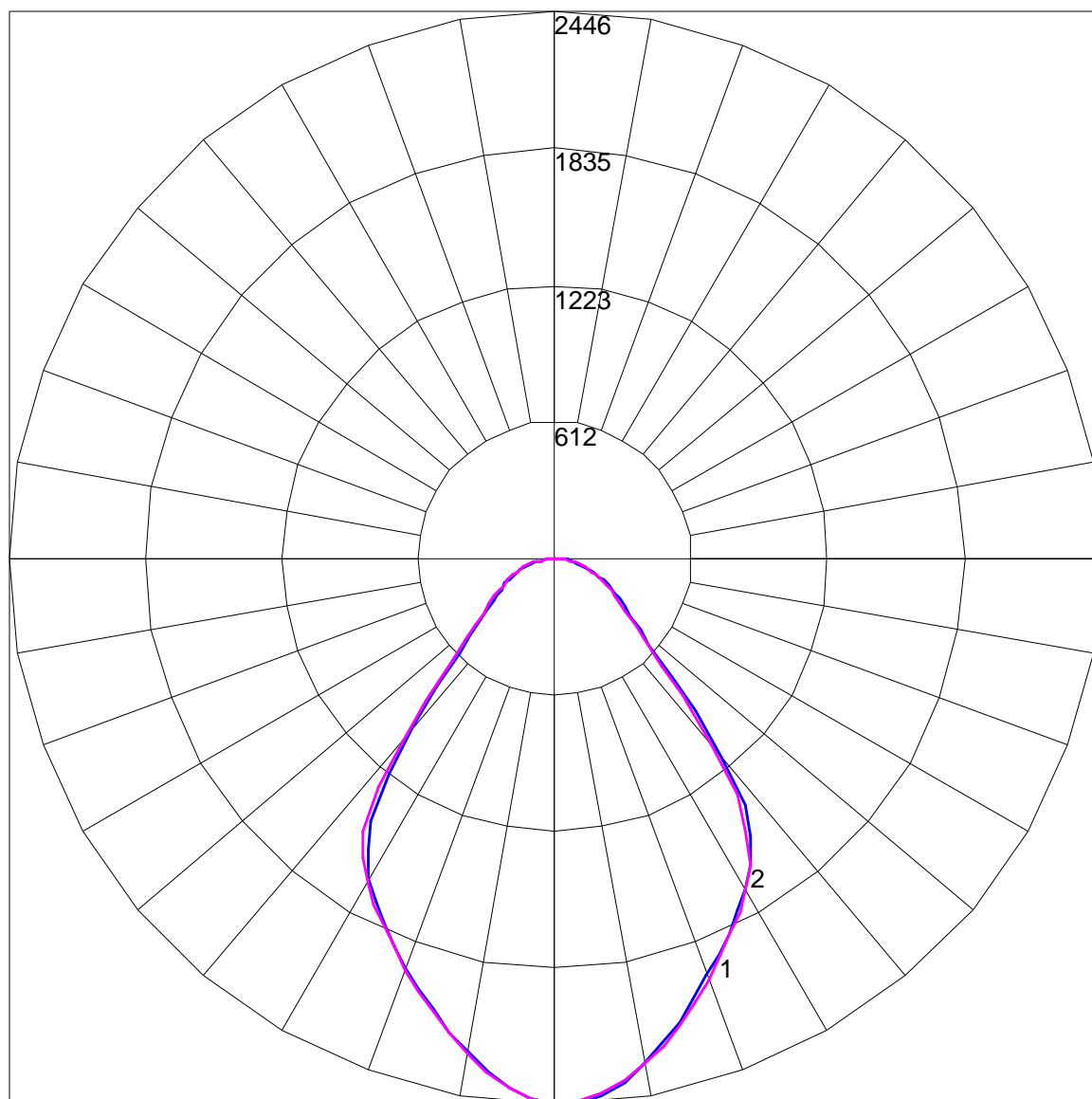
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88
2	103	96	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	94	86	79	74	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	61
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-55L35KEX-MWI-TF2.IES

POLAR GRAPH



Maximum Candela = 2446.452 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)