

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-15L35KEX-MWI-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00702_3_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 9/4/2018
 [LUMCAT] SD1612GV-15L-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, scaled from 55L
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT]
 [_CRI]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1014
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	10
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-15L35KEX-MWI-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1952	2069	2134
55	1264	1318	1346
65	1095	1144	1162
75	935	987	1013
85	514	600	672

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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	648.288	648.288	648.288	648.288	648.288	648.288	648.288	648.288	648.288	648.288
2.5	646.913	647.334	647.704	647.858	648.310	644.834	644.080	641.870	642.913	640.346
5.0	639.176	641.654	642.298	643.816	640.823	636.490	636.672	632.518	631.416	628.724
7.5	627.041	630.192	628.926	630.304	627.839	622.059	621.743	616.877	616.492	612.292
10.0	610.952	615.111	613.238	615.566	610.913	604.676	604.358	599.517	597.905	593.876
12.5	592.840	597.073	594.001	595.496	591.333	584.318	584.268	579.560	578.763	573.676
15.0	573.129	577.527	574.063	575.041	570.616	563.782	563.506	559.506	559.124	553.946
17.5	552.772	557.276	553.242	554.583	549.281	543.098	543.733	539.332	539.555	534.560
20.0	532.858	536.741	533.174	534.160	529.158	523.505	524.136	519.978	520.037	515.497
22.5	513.081	516.798	513.881	514.861	509.566	504.663	505.233	501.456	501.135	496.623
25.0	493.111	497.041	494.675	495.603	490.863	486.096	486.408	483.008	482.605	477.740
27.5	473.094	477.772	475.545	476.838	472.467	467.681	468.586	464.624	464.124	458.852
30.0	452.640	458.619	455.529	457.796	453.321	448.668	450.822	445.590	445.667	438.768
32.5	432.112	435.294	434.889	436.861	433.978	429.390	428.866	426.114	421.873	418.224
35.0	394.570	411.277	402.451	412.002	403.144	396.939	405.686	391.940	396.031	378.280
37.5	355.302	361.159	363.307	368.224	370.126	359.791	356.342	349.540	344.183	332.630
40.0	289.435	308.300	305.758	319.772	309.431	300.814	305.874	291.015	284.557	270.800
42.5	222.268	246.535	239.593	254.984	245.227	235.959	243.646	225.187	227.955	205.330
45.0	181.055	184.413	191.826	197.941	197.907	190.593	185.723	180.740	172.031	167.544
47.5	141.008	154.831	150.801	161.508	151.700	149.077	154.709	143.846	144.508	134.004
50.0	123.449	125.999	128.379	131.476	132.194	128.705	126.821	123.502	121.317	117.584
52.5	106.484	111.459	111.128	115.257	113.314	111.157	112.382	107.662	107.424	102.700
55.0	95.079	97.409	99.145	101.194	101.249	99.342	99.047	96.337	94.396	92.456
57.5	84.211	87.916	88.270	90.845	89.495	87.939	89.364	85.916	85.565	82.425
60.0	76.453	78.713	79.748	81.532	81.170	79.698	80.118	77.624	76.913	74.690
62.5	68.652	71.184	71.556	73.662	72.832	71.525	71.978	69.611	69.324	66.965
65.0	60.672	63.555	63.377	65.581	64.402	63.472	63.863	61.820	61.722	59.415
67.5	52.918	55.535	55.227	57.260	56.237	55.464	55.796	54.053	53.943	51.863
70.0	45.715	47.656	47.812	49.254	48.961	47.741	48.008	46.451	46.249	44.301
72.5	38.663	40.016	40.520	41.446	41.680	40.235	40.510	39.165	38.811	37.041
75.0	31.742	32.850	33.504	34.670	34.392	33.060	33.552	32.564	31.796	30.191
77.5	25.245	26.040	26.778	27.764	27.616	26.969	26.708	25.743	25.037	23.709
80.0	18.644	19.775	20.108	20.644	20.881	20.455	19.862	18.978	18.133	17.409
82.5	11.999	13.039	13.379	14.064	14.063	13.401	13.404	12.541	11.946	10.996
85.0	5.880	7.504	6.860	7.843	7.682	7.112	7.036	6.504	5.687	4.748
87.5	1.276	1.913	2.022	2.457	2.777	2.123	2.236	1.511	1.360	0.946
90.0	0.265	0.126	0.336	0.110	0.294	0.293	0.103	0.292	0.153	0.257
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. 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	648.288	648.288	648.288	648.288	648.288	648.288	648.288
2.5	641.097	640.406	643.097	643.520	642.364	644.825	646.913
5.0	629.558	629.226	630.605	633.265	633.463	638.028	639.176
7.5	612.879	611.191	614.874	617.759	617.773	624.488	627.041
10.0	594.487	592.685	596.465	599.389	600.760	608.662	610.952
12.5	575.116	572.837	576.934	580.219	581.685	590.060	592.840
15.0	555.495	553.086	556.627	560.704	562.617	570.721	573.129
17.5	535.794	533.553	536.992	541.535	543.557	550.974	552.772
20.0	516.079	514.300	517.733	522.487	524.260	531.150	532.858
22.5	497.102	495.551	498.680	503.098	504.717	511.743	513.081
25.0	478.212	476.617	479.720	483.618	485.295	492.386	493.111
27.5	459.206	457.411	460.368	464.441	465.980	473.036	473.094
30.0	440.193	435.792	440.876	445.322	444.227	453.687	452.640
32.5	413.892	411.242	412.135	417.738	420.757	427.453	432.112
35.0	386.350	371.655	380.886	389.067	380.811	400.015	394.570
37.5	327.481	317.176	323.503	331.122	331.207	343.475	355.302
40.0	268.928	259.826	261.044	271.208	271.643	286.679	289.435
42.5	213.680	200.087	208.949	216.532	207.417	226.939	222.268
45.0	162.720	159.707	158.255	162.912	167.261	171.541	181.055
47.5	138.557	132.413	135.239	139.383	135.926	144.991	141.008
50.0	116.412	114.111	114.255	116.700	117.247	120.620	123.449
52.5	103.365	100.708	101.487	103.483	102.233	106.316	106.484
55.0	91.402	90.322	88.997	90.919	91.699	93.298	95.079
57.5	83.017	81.285	81.384	82.765	82.107	84.710	84.211
60.0	74.860	73.295	73.775	74.726	74.375	76.392	76.453
62.5	67.278	65.671	66.217	67.233	66.905	68.783	68.652
65.0	59.599	58.228	58.649	59.724	59.145	61.064	60.672

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-15L35KEX-MWI-TF2.IES****CANDELA TABULATION - (Cont.)**

67.5	51.727	50.832	51.027	52.167	51.377	53.126	52.918
70.0	44.190	43.545	43.547	44.654	44.049	45.396	45.715
72.5	37.000	36.340	36.394	37.209	36.889	37.889	38.663
75.0	29.968	29.428	29.479	30.326	30.106	30.971	31.742
77.5	23.276	22.657	22.768	23.715	23.608	24.251	25.245
80.0	17.205	16.225	16.411	17.307	17.250	17.672	18.644
82.5	10.906	10.289	10.226	10.875	11.020	11.632	11.999
85.0	4.872	4.154	4.389	4.710	5.189	5.363	5.880
87.5	0.847	0.713	0.600	0.789	1.179	1.115	1.276
90.0	0.132	0.270	0.214	0.125	0.282	0.142	0.265
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	218.43	N.A.	21.50
0-30	442.55	N.A.	43.60
0-40	681.31	N.A.	67.20
0-60	911.90	N.A.	89.90
0-80	1006.52	N.A.	99.20
0-90	1014.4	N.A.	100.00
10-90	954.78	N.A.	94.10
20-40	462.88	N.A.	45.60
20-50	606.91	N.A.	59.80
40-70	291.48	N.A.	28.70
60-80	94.62	N.A.	9.30
70-80	33.74	N.A.	3.30
80-90	7.87	N.A.	0.80
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1014.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.61
10-20	158.81
20-30	224.12
30-40	238.76
40-50	144.03
50-60	86.56
60-70	60.88
70-80	33.74
80-90	7.87
90-100	0.03
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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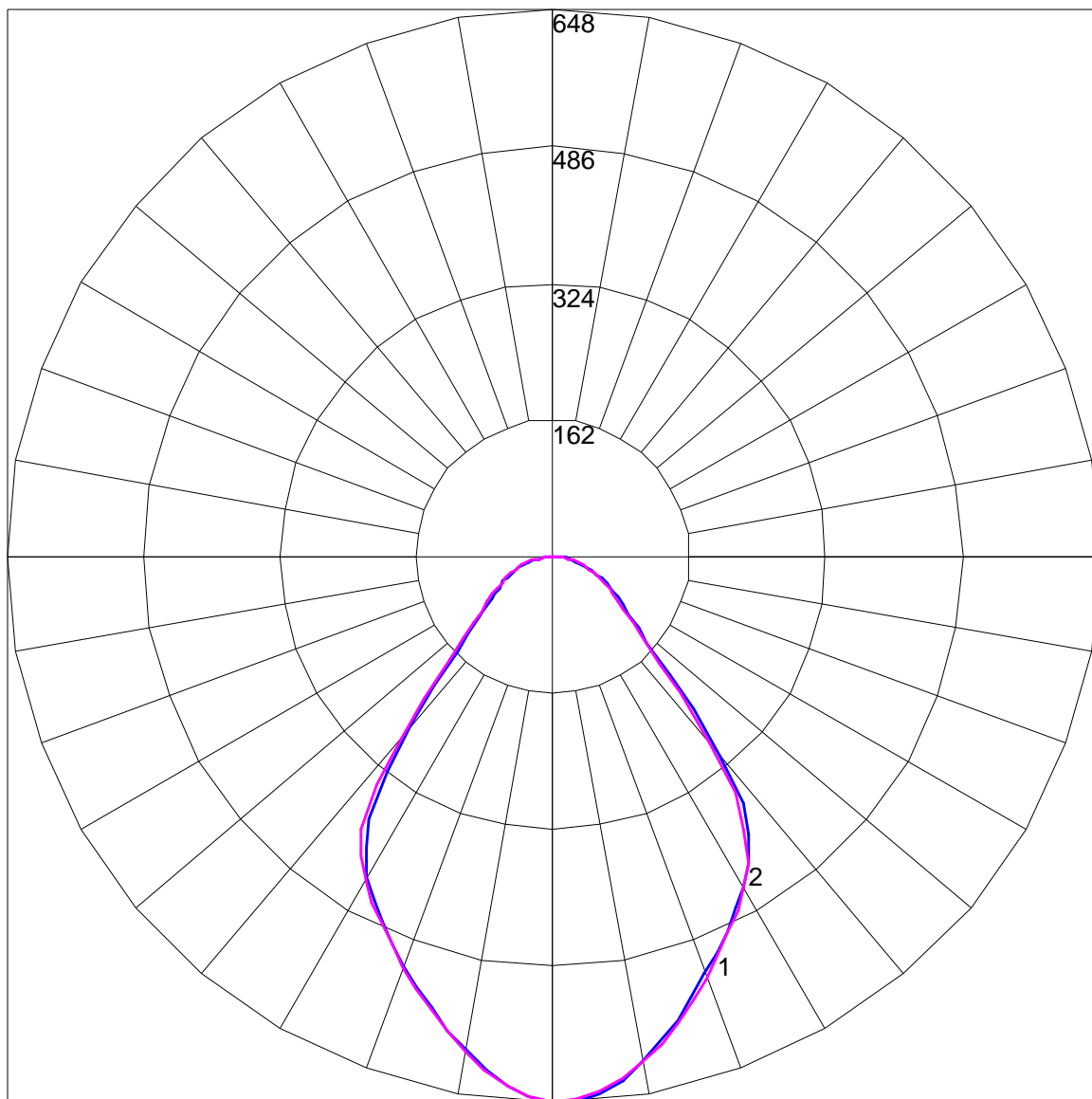
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	80	75	94	86	80	75	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	62
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	54	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	54	48	43	52	47	43	41
9	64	53	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

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POLAR GRAPH



Maximum Candela = 648.31 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)