

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-15L35KEX-MWI-MW-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00609_6_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 7/24/2018
 [LUMCAT] EG1612GV-15L-35K-EX-MWI-MW-TF2
 [LUMINAIRE] Nom. 16.2" diam reflector x 12.5" H Decorative Domo Pendant
 [OTHER] 4" Frosted Glass Dome
 [OTHER] 89.1 Degree Beam Angle
 [OTHER] Remote driver in canopy
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate, scaled from 55L
 [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]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1025
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.35 ft (Diameter)
Luminous Width (90-270)	1.35 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-15L35KEX-MWI-MW-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2524	2680	2724
55	1326	1371	1386
65	1189	1216	1233
75	1103	1137	1163
85	785	920	948

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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	495.098	495.098	495.098	495.098	495.098	495.098	495.098	495.098	495.098	495.098
2.5	495.098	495.307	495.247	495.265	494.693	493.907	493.820	492.992	492.989	492.891
5.0	494.219	495.146	494.717	494.421	493.138	491.443	491.501	490.093	489.773	490.018
7.5	492.404	493.139	492.517	491.926	490.539	487.557	487.292	485.481	485.647	485.887
10.0	488.944	490.051	489.350	489.277	486.482	482.703	482.538	480.448	480.694	480.595
12.5	484.495	485.469	484.581	484.126	481.366	476.897	476.696	474.623	474.874	474.224
15.0	479.210	480.192	479.309	478.872	475.300	470.677	470.622	468.356	468.416	467.637
17.5	473.514	474.313	473.347	472.129	468.670	464.125	463.587	461.402	461.798	460.883
20.0	467.152	468.214	467.265	465.452	462.506	457.998	456.418	454.986	455.086	454.556
22.5	460.533	462.122	461.049	459.736	456.562	452.145	450.750	449.240	449.342	448.497
25.0	454.273	456.033	454.300	453.803	449.970	445.404	445.209	442.815	444.068	441.641
27.5	448.118	448.173	447.070	446.228	443.135	438.191	436.653	435.702	436.480	434.388
30.0	436.718	439.953	436.875	437.773	432.495	427.321	427.892	426.038	428.015	423.734
32.5	424.158	426.106	424.445	424.733	420.757	414.922	414.456	414.217	415.542	411.707
35.0	406.579	411.492	409.173	410.631	405.959	399.615	400.638	399.172	401.895	394.756
37.5	388.256	389.373	392.175	392.601	390.526	383.377	381.827	381.922	377.725	376.286
40.0	345.979	366.677	356.093	366.307	356.646	347.487	358.667	343.323	351.277	329.141
42.5	301.601	308.872	310.784	317.100	320.084	306.746	304.462	292.822	291.171	275.541
45.0	237.516	250.505	252.213	264.181	256.365	246.258	249.886	235.234	226.217	217.298
47.5	173.468	196.436	188.458	202.996	190.449	182.396	193.560	174.470	179.283	158.307
50.0	143.614	144.904	150.934	154.309	154.872	148.426	144.660	139.953	133.863	131.624
52.5	114.870	123.510	121.201	127.644	120.451	117.685	122.114	114.534	115.252	108.012
55.0	101.270	103.438	104.691	106.815	105.837	102.980	102.510	99.820	97.635	95.932
57.5	88.389	92.239	91.024	94.246	91.708	89.121	90.786	87.933	88.251	84.361
60.0	80.946	81.906	82.505	84.281	83.639	81.870	80.895	80.351	79.100	77.730
62.5	73.618	75.667	74.768	77.386	75.780	74.654	74.826	73.592	72.988	71.110
65.0	66.858	69.184	68.402	70.449	69.367	68.068	68.479	66.595	66.750	64.650
67.5	59.979	61.920	62.116	63.471	62.695	61.279	61.674	59.568	59.700	58.009
70.0	52.771	54.600	54.716	55.767	55.119	53.388	54.276	52.243	52.322	50.457
72.5	45.446	47.196	47.142	47.687	47.580	45.749	46.348	44.871	44.198	42.817
75.0	38.010	39.271	39.165	39.986	40.081	38.464	38.427	37.378	36.547	35.058
77.5	30.365	31.329	31.715	32.303	32.083	30.757	30.687	30.048	29.158	27.753
80.0	22.779	23.884	24.411	24.681	24.578	23.327	23.293	22.531	21.801	20.565
82.5	15.533	16.904	17.251	17.427	17.628	16.301	16.351	14.884	15.130	13.768
85.0	9.107	10.087	10.669	11.237	10.997	9.616	9.407	8.530	8.179	7.484
87.5	3.436	4.331	4.413	4.740	4.965	3.580	3.758	3.131	2.903	2.132
90.0	0.349	0.240	0.609	0.315	0.582	0.348	0.209	0.385	0.149	0.371
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	495.098	495.098	495.098	495.098	495.098	495.098	495.098
2.5	493.219	493.608	494.031	494.736	494.514	495.050	495.098
5.0	490.900	491.080	491.700	493.150	493.224	494.187	494.219
7.5	486.749	486.658	487.989	489.903	490.873	491.404	492.404
10.0	482.059	481.710	483.239	485.741	487.292	488.146	488.944
12.5	475.635	475.040	477.677	480.144	481.642	483.284	484.495
15.0	468.843	468.212	471.613	473.903	475.331	478.148	479.210
17.5	461.977	460.982	464.292	466.836	468.112	471.904	473.514
20.0	455.101	453.998	456.353	459.482	461.480	465.544	467.152
22.5	448.767	447.512	449.546	453.071	455.502	460.027	460.533
25.0	442.479	440.179	443.188	446.904	448.134	454.545	454.273
27.5	433.713	431.480	433.267	437.053	439.490	444.989	448.118
30.0	424.772	420.534	422.268	426.493	427.659	435.173	436.718
32.5	410.164	406.625	408.071	411.944	413.423	420.487	424.158
35.0	394.774	388.593	393.171	396.907	396.246	404.984	406.579
37.5	369.117	366.092	366.089	372.710	377.282	382.061	388.256
40.0	338.811	324.071	337.100	347.922	336.375	353.764	345.979
42.5	275.333	264.869	275.606	287.185	284.511	295.333	301.601
45.0	214.774	210.279	211.159	226.529	227.796	237.927	237.516
47.5	168.695	159.073	168.667	178.537	169.186	184.629	173.468
50.0	128.810	127.564	127.222	133.143	136.807	139.322	143.614
52.5	110.902	107.683	110.250	114.580	112.219	118.207	114.870
55.0	95.240	93.946	93.804	97.146	97.609	100.106	101.270
57.5	85.592	83.091	84.818	86.835	85.249	89.030	88.389
60.0	77.093	75.691	76.191	77.277	77.952	79.557	80.946
62.5	71.069	69.597	70.249	70.949	71.424	73.080	73.618
65.0	64.768	63.107	64.111	64.542	64.807	66.518	66.858

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CANDELA TABULATION - (Cont.)

67.5	58.010	56.504	57.061	57.896	58.157	59.833	59.979
70.0	50.592	49.107	49.739	50.844	50.689	52.429	52.771
72.5	42.586	41.594	41.896	43.201	43.182	44.449	45.446
75.0	35.034	33.939	34.404	35.838	35.585	36.911	38.010
77.5	27.618	26.670	27.059	28.500	28.288	29.467	30.365
80.0	20.318	19.587	19.667	20.970	21.123	22.120	22.779
82.5	13.312	12.635	13.219	13.839	14.147	15.433	15.533
85.0	7.311	6.762	6.830	7.321	7.812	8.544	9.107
87.5	2.341	1.816	2.005	2.501	2.678	3.346	3.436
90.0	0.172	0.247	0.356	0.101	0.420	0.163	0.349
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	180.49	N.A.	17.60
0-30	386.77	N.A.	37.70
0-40	634.95	N.A.	61.90
0-60	909.55	N.A.	88.70
0-80	1014.59	N.A.	99.00
0-90	1025.06	N.A.	100.00
10-90	978.30	N.A.	95.40
20-40	454.46	N.A.	44.30
20-50	636.64	N.A.	62.10
40-70	340.40	N.A.	33.20
60-80	105.04	N.A.	10.20
70-80	39.24	N.A.	3.80
80-90	10.47	N.A.	1.00
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1025.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.76
10-20	133.73
20-30	206.29
30-40	248.17
40-50	182.18
50-60	92.42
60-70	65.80
70-80	39.24
80-90	10.47
90-100	0.04
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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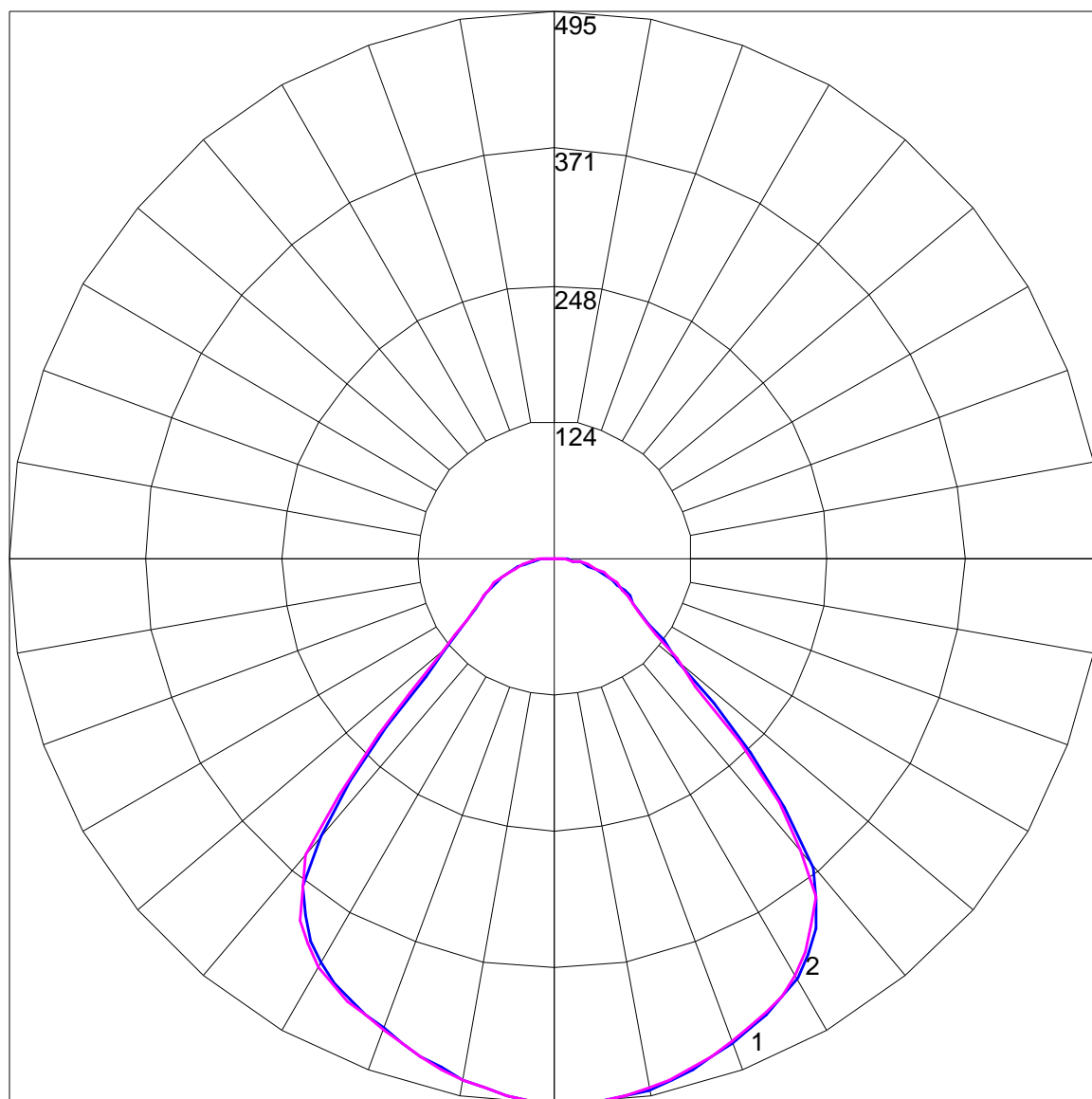
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	90	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59
5	81	70	62	56	80	69	62	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	55	50	60	54	49	58	53	49	47
7	71	59	51	45	69	58	50	45	56	50	45	55	49	44	54	48	44	42
8	66	54	46	41	65	53	46	41	52	45	40	51	45	40	50	44	40	38
9	62	50	42	37	61	49	42	37	48	41	37	47	41	37	46	41	37	35
10	58	46	39	34	57	46	39	34	45	38	34	44	38	34	43	37	33	32

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POLAR GRAPH



Maximum Candela = 495.307 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)