

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-27L35KEX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00609_6_M-27L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 7/24/2018
 [LUMCAT] EG1612GV-27L-35K-EX-TF2-MWI
 [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
 [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	1791
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	18
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-27L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4409	4682	4759
55	2318	2396	2422
65	2077	2125	2154
75	1928	1986	2033
85	1372	1607	1656

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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	865.020	865.020	865.020	865.020	865.020	865.020	865.020	865.020	865.020	865.020
2.5	865.021	865.385	865.280	865.313	864.313	862.939	862.787	861.341	861.336	861.164
5.0	863.484	865.104	864.356	863.838	861.597	858.634	858.735	856.276	855.716	856.144
7.5	860.314	861.598	860.511	859.478	857.054	851.845	851.381	848.218	848.507	848.926
10.0	854.267	856.203	854.978	854.850	849.967	843.365	843.077	839.424	839.854	839.681
12.5	846.495	848.197	846.646	845.851	841.028	833.221	832.868	829.247	829.686	828.551
15.0	837.262	838.976	837.435	836.671	830.430	822.352	822.257	818.297	818.402	817.042
17.5	827.309	828.706	827.018	824.890	818.846	810.905	809.966	806.148	806.840	805.240
20.0	816.194	818.049	816.391	813.224	808.077	800.200	797.440	794.938	795.113	794.187
22.5	804.629	807.406	805.530	803.236	797.692	789.973	787.537	784.899	785.077	783.601
25.0	793.692	796.768	793.739	792.871	786.174	778.196	777.856	773.673	775.862	771.622
27.5	782.938	783.034	781.107	779.636	774.233	765.594	762.907	761.245	762.605	758.949
30.0	763.021	768.674	763.296	764.864	755.642	746.603	747.601	744.361	747.815	740.336
32.5	741.077	744.479	741.577	742.082	735.134	724.939	724.125	723.707	726.022	719.321
35.0	710.363	718.946	714.895	717.442	709.279	698.196	699.983	697.422	702.178	689.706
37.5	678.349	680.300	685.196	685.941	682.316	669.824	667.117	667.283	659.950	657.436
40.0	604.484	640.647	622.156	640.000	623.121	607.118	626.652	599.843	613.740	575.066
42.5	526.948	539.652	542.993	554.029	559.242	535.938	531.946	511.610	508.726	481.417
45.0	414.981	437.675	440.658	461.569	447.914	430.255	436.593	410.994	395.239	379.657
47.5	303.078	343.207	329.268	354.669	332.747	318.676	338.182	304.829	313.238	276.590
50.0	250.918	253.172	263.708	269.604	270.588	259.326	252.745	244.521	233.881	229.970
52.5	200.698	215.793	211.758	223.016	210.449	205.616	213.353	200.110	201.364	188.716
55.0	176.936	180.724	182.913	186.625	184.915	179.923	179.102	174.402	170.585	167.609
57.5	154.431	161.158	159.035	164.663	160.229	155.710	158.620	153.634	154.189	147.393
60.0	141.426	143.104	144.150	147.253	146.132	143.041	141.337	140.387	138.201	135.808
62.5	128.623	132.204	130.633	135.207	132.401	130.433	130.734	128.577	127.522	124.241
65.0	116.813	120.876	119.510	123.086	121.196	118.927	119.645	116.353	116.623	112.955
67.5	104.794	108.185	108.527	110.895	109.539	107.065	107.755	104.076	104.306	101.352
70.0	92.200	95.395	95.599	97.435	96.303	93.277	94.828	91.278	91.416	88.157
72.5	79.402	82.459	82.364	83.317	83.131	79.932	80.979	78.398	77.221	74.809
75.0	66.411	68.613	68.427	69.863	70.028	67.204	67.139	65.305	63.854	61.251
77.5	53.053	54.737	55.412	56.438	56.054	53.737	53.616	52.499	50.943	48.489
80.0	39.798	41.730	42.651	43.122	42.943	40.757	40.697	39.366	38.090	35.930
82.5	27.139	29.534	30.141	30.448	30.799	28.481	28.568	26.006	26.435	24.056
85.0	15.911	17.623	18.640	19.634	19.214	16.800	16.435	14.904	14.290	13.077
87.5	6.003	7.567	7.710	8.282	8.675	6.255	6.565	5.470	5.072	3.724
90.0	0.609	0.420	1.064	0.550	1.017	0.608	0.366	0.672	0.260	0.648
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	865.020	865.020	865.020	865.020	865.020	865.020	865.020
2.5	861.738	862.418	863.157	864.388	864.000	864.937	865.021
5.0	857.686	858.000	859.083	861.617	861.746	863.429	863.484
7.5	850.433	850.274	852.600	855.943	857.638	858.567	860.314
10.0	842.239	841.628	844.301	848.672	851.382	852.873	854.267
12.5	831.016	829.975	834.582	838.894	841.511	844.380	846.495
15.0	819.149	818.046	823.988	827.990	830.485	835.405	837.262
17.5	807.153	805.413	811.197	815.643	817.871	824.496	827.309
20.0	795.138	793.211	797.327	802.794	806.284	813.385	816.194
22.5	784.072	781.880	785.433	791.592	795.839	803.746	804.629
25.0	773.085	769.068	774.324	780.817	782.966	794.168	793.692
27.5	757.770	753.869	756.991	763.605	767.864	777.472	782.938
30.0	742.149	734.744	737.774	745.156	747.193	760.321	763.021
32.5	716.627	710.443	712.970	719.737	722.321	734.662	741.077
35.0	689.737	678.939	686.937	693.463	692.310	707.575	710.363
37.5	644.909	639.625	639.620	651.188	659.175	667.525	678.349
40.0	591.961	566.207	588.972	607.879	587.704	618.086	604.484
42.5	481.053	462.771	481.531	501.760	497.089	515.996	526.948
45.0	375.246	367.393	368.930	395.785	397.999	415.698	414.981
47.5	294.739	277.927	294.689	311.934	295.596	322.579	303.078
50.0	225.052	222.876	222.278	232.624	239.025	243.419	250.918
52.5	193.764	188.140	192.626	200.191	196.065	206.528	200.698
55.0	166.400	164.140	163.891	169.731	170.539	174.903	176.936
57.5	149.544	145.174	148.192	151.716	148.945	155.550	154.431
60.0	134.695	132.245	133.119	135.016	136.195	139.000	141.426
62.5	124.170	121.599	122.737	123.961	124.790	127.683	128.623
65.0	113.161	110.258	112.014	112.767	113.229	116.219	116.813

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-27L35KEX-TF2-MWI.IES****CANDELA TABULATION - (Cont.)**

67.5	101.353	98.722	99.696	101.153	101.611	104.539	104.794
70.0	88.392	85.799	86.903	88.832	88.563	91.603	92.200
72.5	74.405	72.672	73.200	75.480	75.447	77.660	79.402
75.0	61.210	59.297	60.109	62.615	62.173	64.491	66.411
77.5	48.253	46.596	47.277	49.795	49.424	51.484	53.053
80.0	35.499	34.222	34.362	36.639	36.906	38.647	39.798
82.5	23.258	22.076	23.095	24.179	24.718	26.964	27.139
85.0	12.774	11.814	11.932	12.792	13.650	14.928	15.911
87.5	4.090	3.173	3.504	4.370	4.679	5.846	6.003
90.0	0.301	0.432	0.623	0.176	0.734	0.284	0.609
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	315.34	N.A.	17.60
0-30	675.76	N.A.	37.70
0-40	1109.36	N.A.	61.90
0-60	1589.14	N.A.	88.70
0-80	1772.66	N.A.	99.00
0-90	1790.96	N.A.	100.00
10-90	1709.26	N.A.	95.40
20-40	794.02	N.A.	44.30
20-50	1112.32	N.A.	62.10
40-70	594.74	N.A.	33.20
60-80	183.52	N.A.	10.20
70-80	68.57	N.A.	3.80
80-90	18.30	N.A.	1.00
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1791.03	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.70
10-20	233.64
20-30	360.42
30-40	433.60
40-50	318.30
50-60	161.48
60-70	114.96
70-80	68.57
80-90	18.30
90-100	0.08
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

IES INDOOR REPORT

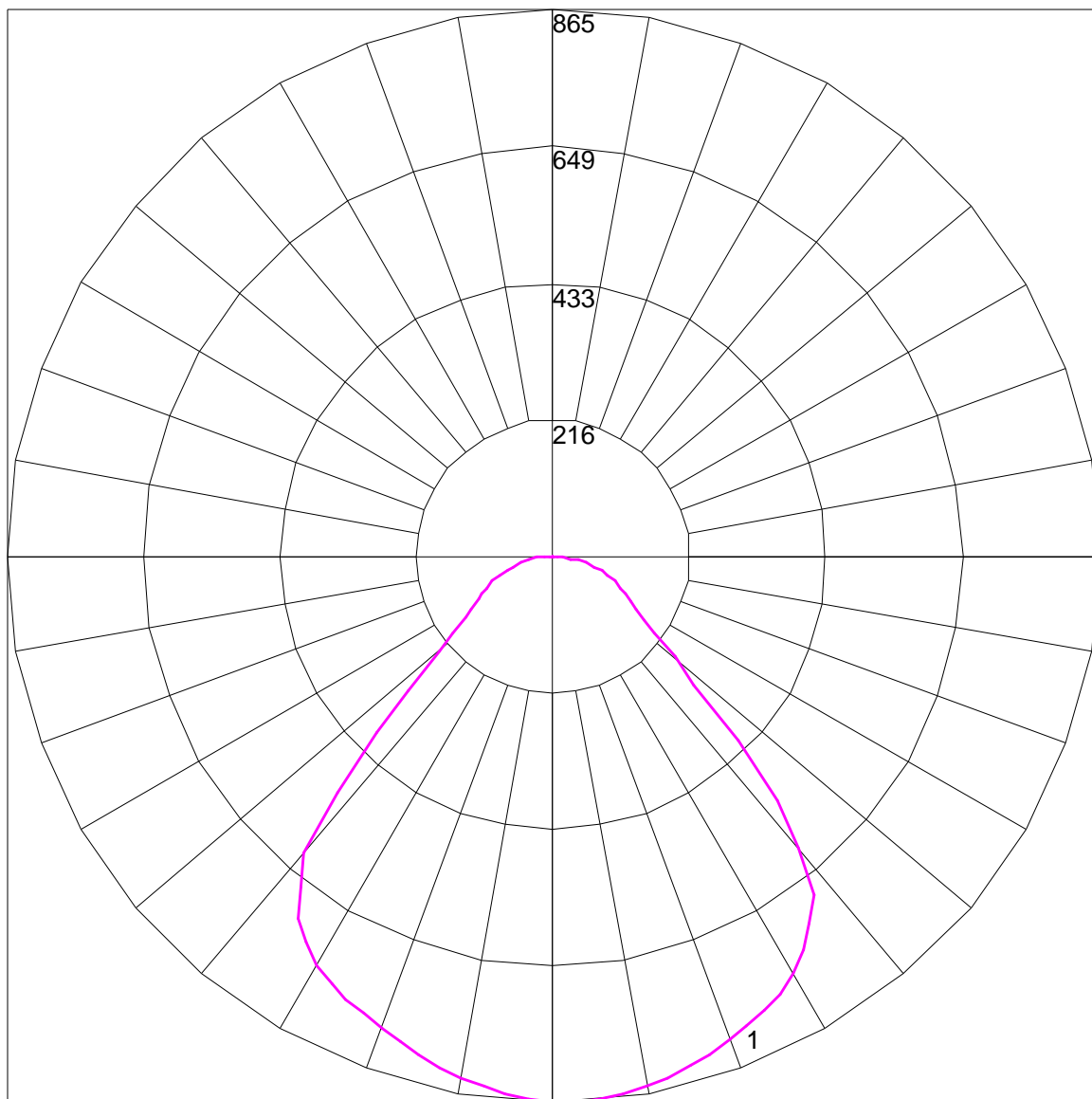
PHOTOMETRIC FILENAME : SP-00609_6 ~ EG1612GV-27L35KEX-TF2-MWI.IES

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	79	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

POLAR GRAPH



Maximum Candela = 865.385 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)