

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-37L35KEX-MWI-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00702_3_M-37L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 5/25/2018
 [UPDATE] 9/4/2018
 [LUMCAT] SD1612GV-37L-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	2603
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	26
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-37L35KEX-MWI-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5010	5308	5477
55	3244	3382	3454
65	2809	2934	2982
75	2400	2533	2600
85	1320	1540	1725

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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	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532
2.5	1660.004	1661.084	1662.033	1662.428	1663.587	1654.668	1652.734	1647.062	1649.738	1643.151
5.0	1640.150	1646.509	1648.162	1652.057	1644.375	1633.256	1633.723	1623.066	1620.237	1613.329
7.5	1609.011	1617.096	1613.848	1617.384	1611.058	1596.227	1595.416	1582.929	1581.942	1571.164
10.0	1567.725	1578.397	1573.593	1579.566	1567.626	1551.623	1550.804	1538.382	1534.246	1523.909
12.5	1521.249	1532.111	1524.228	1528.066	1517.383	1499.382	1499.254	1487.173	1485.128	1472.074
15.0	1470.670	1481.956	1473.068	1475.576	1464.221	1446.685	1445.979	1435.713	1434.734	1421.446
17.5	1418.433	1429.991	1419.640	1423.080	1409.475	1393.610	1395.238	1383.947	1384.519	1371.702
20.0	1367.333	1377.299	1368.144	1370.674	1357.840	1343.334	1344.952	1334.283	1334.433	1322.784
22.5	1316.586	1326.123	1318.638	1321.152	1307.567	1294.984	1296.446	1286.754	1285.932	1274.354
25.0	1265.341	1275.427	1269.355	1271.736	1259.572	1247.340	1248.140	1239.418	1238.382	1225.899
27.5	1213.978	1225.981	1220.266	1223.585	1212.369	1200.088	1202.409	1192.243	1190.959	1177.430
30.0	1161.490	1176.833	1168.904	1174.721	1163.238	1151.299	1156.826	1143.402	1143.597	1125.895
32.5	1108.815	1116.980	1115.941	1121.001	1113.604	1101.832	1100.487	1093.424	1082.542	1073.179
35.0	1012.481	1055.353	1032.704	1057.214	1034.482	1018.560	1041.006	1005.734	1016.231	970.680
37.5	911.717	926.749	932.260	944.876	949.757	923.237	914.389	896.934	883.187	853.540
40.0	742.700	791.110	784.586	820.546	794.012	771.899	784.885	746.757	730.184	694.884
42.5	570.348	632.619	614.804	654.299	629.262	605.480	625.204	577.838	584.942	526.886
45.0	464.593	473.211	492.233	507.925	507.838	489.068	476.573	463.785	441.439	429.924
47.5	361.831	397.302	386.960	414.436	389.269	382.538	396.988	369.114	370.812	343.859
50.0	316.775	323.319	329.427	337.373	339.214	330.262	325.427	316.911	311.305	301.726
52.5	273.242	286.009	285.159	295.754	290.767	285.233	288.376	276.264	275.653	263.533
55.0	243.977	249.956	254.409	259.668	259.808	254.915	254.159	247.204	242.224	237.245
57.5	216.088	225.595	226.505	233.111	229.648	225.655	229.312	220.463	219.562	211.507
60.0	196.181	201.980	204.636	209.214	208.285	204.508	205.585	199.185	197.361	191.657
62.5	176.164	182.662	183.615	189.020	186.888	183.536	184.699	178.624	177.889	171.835
65.0	155.687	163.085	162.628	168.283	165.257	162.872	163.876	158.633	158.380	152.461
67.5	135.790	142.506	141.715	146.931	144.306	142.323	143.174	138.702	138.420	133.081
70.0	117.305	122.286	122.687	126.387	125.636	122.505	123.189	119.196	118.677	113.679
72.5	99.211	102.681	103.977	106.353	106.951	103.245	103.950	100.500	99.590	95.050
75.0	81.450	84.293	85.973	88.965	88.252	84.833	86.096	83.559	81.590	77.472
77.5	64.781	66.820	68.713	71.244	70.864	69.202	68.533	66.057	64.246	60.839
80.0	47.840	50.742	51.598	52.973	53.581	52.489	50.967	48.698	46.530	44.671
82.5	30.789	33.460	34.331	36.089	36.086	34.386	34.396	32.181	30.655	28.217
85.0	15.088	19.255	17.603	20.126	19.713	18.251	18.054	16.689	14.593	12.184
87.5	3.275	4.910	5.188	6.305	7.127	5.449	5.739	3.876	3.490	2.429
90.0	0.681	0.324	0.862	0.283	0.753	0.751	0.265	0.751	0.392	0.660
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	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532	1663.532
2.5	1645.078	1643.306	1650.210	1651.296	1648.330	1654.645	1660.004
5.0	1615.471	1614.619	1618.157	1624.983	1625.490	1637.203	1640.150
7.5	1572.670	1568.338	1577.790	1585.194	1585.230	1602.461	1609.011
10.0	1525.477	1520.851	1530.551	1538.054	1541.572	1561.849	1567.725
12.5	1475.769	1469.922	1480.435	1488.864	1492.626	1514.116	1521.249
15.0	1425.421	1419.240	1428.327	1438.787	1443.696	1464.492	1470.670
17.5	1374.869	1369.117	1377.943	1389.599	1394.787	1413.820	1418.433
20.0	1324.279	1319.713	1328.521	1340.722	1345.271	1362.951	1367.333
22.5	1275.583	1271.601	1279.632	1290.968	1295.122	1313.151	1316.586
25.0	1227.110	1223.017	1230.979	1240.983	1245.286	1263.481	1265.341
27.5	1178.340	1173.735	1181.322	1191.773	1195.722	1213.829	1213.978
30.0	1129.551	1118.259	1131.304	1142.713	1139.902	1164.179	1161.490
32.5	1062.062	1055.262	1057.554	1071.931	1079.679	1096.860	1108.815
35.0	991.390	953.682	977.367	998.361	977.176	1026.455	1012.481
37.5	840.329	813.886	830.121	849.672	849.891	881.370	911.717
40.0	690.079	666.722	669.850	695.929	697.047	735.629	742.700
42.5	548.310	513.431	536.172	555.630	532.239	582.333	570.348
45.0	417.544	409.815	406.087	418.038	429.199	440.181	464.593
47.5	355.541	339.776	347.028	357.663	348.792	372.052	361.831
50.0	298.717	292.814	293.182	299.456	300.861	309.516	316.775
52.5	265.239	258.421	260.420	265.541	262.335	272.811	273.242
55.0	234.541	231.770	228.371	233.303	235.303	239.406	243.977
57.5	213.026	208.580	208.835	212.378	210.691	217.369	216.088
60.0	192.094	188.078	189.311	191.751	190.850	196.024	196.181
62.5	172.638	168.514	169.915	172.522	171.680	176.500	176.164
65.0	152.933	149.415	150.496	153.254	151.769	156.694	155.687

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00702_3 ~ SD1612GV-37L35KEX-MWI-TF2.IES****CANDELA TABULATION - (Cont.)**

67.5	132.735	130.437	130.936	133.861	131.836	136.323	135.790
70.0	113.394	111.738	111.744	114.583	113.030	116.488	117.305
72.5	94.944	93.249	93.389	95.480	94.659	97.224	99.211
75.0	76.898	75.514	75.643	77.816	77.253	79.472	81.450
77.5	59.726	58.139	58.424	60.855	60.578	62.228	64.781
80.0	44.148	41.634	42.110	44.411	44.264	45.348	47.840
82.5	27.984	26.402	26.240	27.907	28.277	29.849	30.789
85.0	12.502	10.659	11.263	12.085	13.316	13.763	15.088
87.5	2.173	1.829	1.539	2.025	3.025	2.861	3.275
90.0	0.339	0.694	0.549	0.322	0.723	0.364	0.681
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	560.49	N.A.	21.50
0-30	1135.6	N.A.	43.60
0-40	1748.27	N.A.	67.20
0-60	2339.98	N.A.	89.90
0-80	2582.78	N.A.	99.20
0-90	2602.98	N.A.	100.00
10-90	2450.01	N.A.	94.10
20-40	1187.77	N.A.	45.60
20-50	1557.36	N.A.	59.80
40-70	747.94	N.A.	28.70
60-80	242.80	N.A.	9.30
70-80	86.58	N.A.	3.30
80-90	20.20	N.A.	0.80
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2603.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	152.97
10-20	407.52
20-30	575.11
30-40	612.66
40-50	369.59
50-60	222.13
60-70	156.22
70-80	86.58
80-90	20.20
90-100	0.07
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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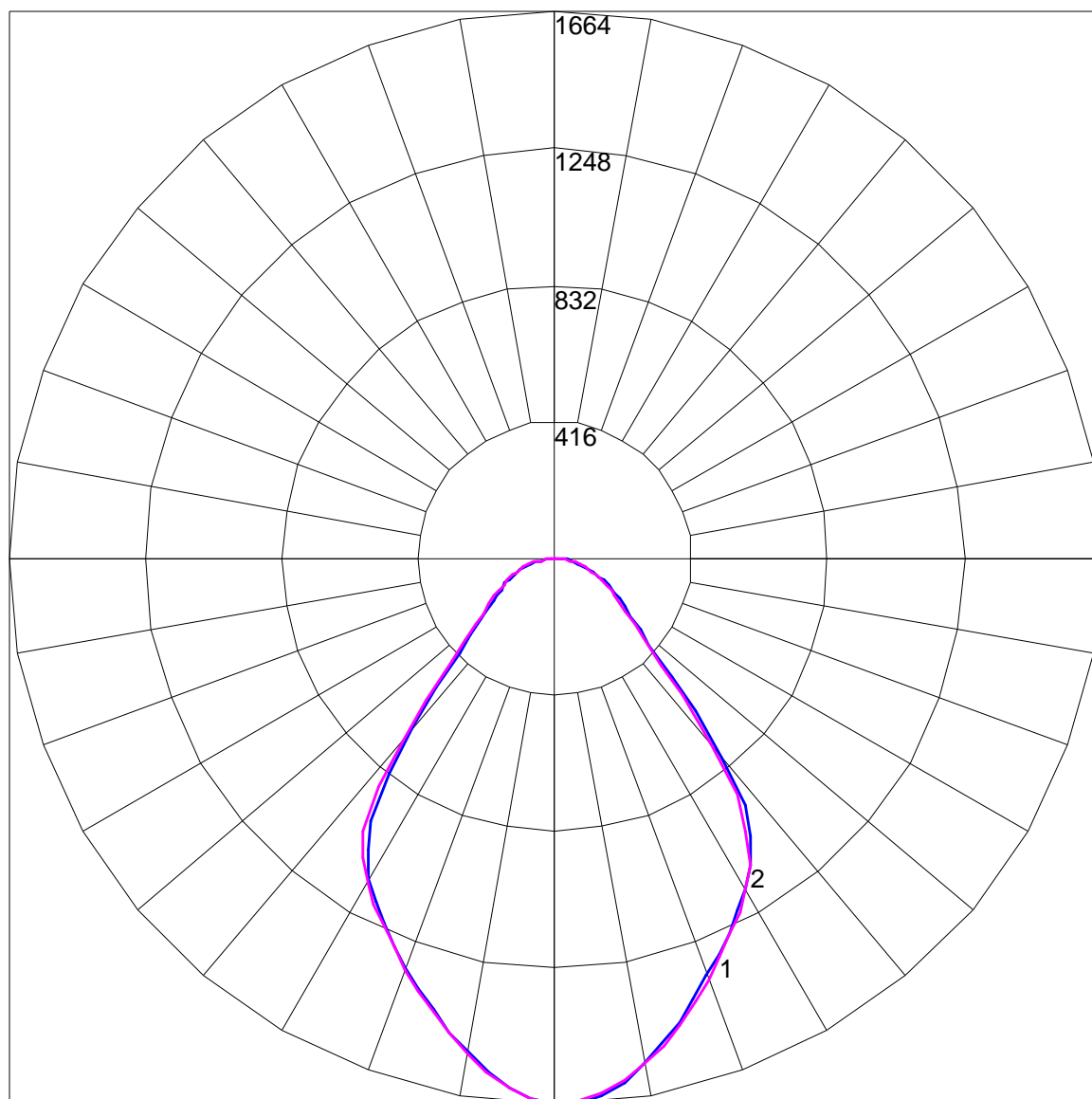
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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-37L35KEX-MWI-TF2.IES

POLAR GRAPH



Maximum Candela = 1663.587 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)