

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-37L35KEX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00733_M-37L

[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 10/30/2018

[UPDATE] 11/20/2018

[LUMCAT] ED2015GV-37L-35K-EX-TF2-MWI

[LUMINAIRE] Nom. 20" diam. x 15.0" H, Expanded Dome RLM Classic

[OTHER] Regressed, 4" inside frosted diffuser

[OTHER] Reflector: Matte white finish

[OTHER] Beam Angle: 106.6 degrees

[LAMPCAT] N/A

[LAMP] N/A, Gen3

[OTHER] Total luminaire watts is approximate

[OTHER] CCT Multipliers: 27K x 0.971, 30K x 0.985, 40K x 1.03

[OTHER] This report generated by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2899
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.67 ft (Diameter)
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5040	5259	5370
55	4637	4971	5199
65	2252	2335	2188
75	833	744	639
85	392	367	276

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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	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641
2.5	1232.072	1233.451	1231.756	1233.484	1234.707	1238.863	1238.416	1237.760	1235.914	1236.546
5.0	1224.778	1224.843	1225.976	1227.926	1230.748	1235.610	1236.737	1235.264	1233.398	1232.475
7.5	1211.929	1214.664	1217.799	1219.749	1222.462	1230.210	1232.088	1229.834	1227.430	1227.039
10.0	1197.073	1200.781	1205.655	1209.656	1212.755	1221.780	1223.676	1221.758	1220.025	1216.532
12.5	1179.186	1185.103	1190.058	1196.139	1200.124	1211.957	1213.703	1211.175	1208.302	1204.812
15.0	1158.874	1165.865	1171.718	1180.409	1185.601	1197.623	1202.028	1197.702	1195.088	1187.668
17.5	1135.379	1144.724	1151.324	1161.472	1167.778	1181.495	1186.673	1181.837	1177.595	1169.523
20.0	1107.445	1120.279	1126.509	1140.767	1146.100	1160.294	1167.813	1162.072	1158.851	1146.814
22.5	1074.427	1090.565	1098.817	1110.946	1118.503	1137.427	1143.302	1139.490	1132.297	1123.448
25.0	1037.143	1053.034	1062.011	1076.874	1083.609	1101.127	1114.088	1106.228	1103.924	1085.846
27.5	995.652	1013.116	1020.069	1034.517	1039.112	1061.178	1073.330	1066.366	1060.982	1046.866
30.0	954.911	970.117	978.668	988.811	994.480	1014.003	1024.320	1020.464	1015.434	1000.505
32.5	914.816	929.964	937.525	947.864	949.693	965.242	977.974	971.283	970.416	953.747
35.0	876.781	893.021	900.793	908.508	909.209	925.627	933.280	929.666	925.471	916.826
37.5	840.295	856.427	865.858	873.010	873.040	887.533	895.043	891.518	890.534	880.170
40.0	803.495	820.171	830.904	838.556	839.057	854.022	860.273	858.400	856.518	846.874
42.5	766.494	782.998	795.943	804.308	806.964	821.071	828.173	827.210	825.489	813.498
45.0	725.840	745.047	757.506	770.105	773.466	788.793	797.283	796.194	794.608	778.599
47.5	683.148	703.649	718.098	734.161	738.924	756.570	765.507	765.235	760.849	743.507
50.0	639.012	659.702	676.151	697.919	702.324	723.053	733.388	732.346	726.938	706.290
52.5	594.183	613.753	633.614	656.203	664.374	689.485	696.991	698.946	688.184	667.075
55.0	541.790	566.537	580.809	613.796	607.413	638.266	659.210	640.183	646.182	613.387
57.5	486.353	495.512	526.179	528.091	539.820	584.304	566.263	576.137	551.247	547.017
60.0	385.983	411.437	407.951	438.707	421.008	442.900	458.895	439.583	452.641	411.524
62.5	270.082	310.891	281.572	313.281	277.944	304.743	331.009	291.005	315.967	284.596
65.0	193.858	202.580	201.002	187.508	188.327	210.973	198.708	201.298	190.673	194.362
67.5	128.514	140.385	125.684	135.307	120.090	126.076	136.370	118.742	132.922	119.216
70.0	92.307	93.554	90.365	87.425	81.013	86.808	84.824	82.645	83.865	82.206
72.5	61.975	64.786	59.584	57.790	49.838	55.069	56.447	51.431	54.270	53.798
75.0	43.906	42.420	39.202	38.144	33.666	33.576	35.574	32.777	35.389	33.040
77.5	31.400	30.945	27.595	26.889	23.093	24.715	24.056	22.232	23.209	24.125
80.0	21.739	20.410	19.300	18.427	16.188	17.668	17.372	15.115	15.562	16.536
82.5	12.517	12.660	12.131	11.510	9.466	10.977	11.172	9.377	9.770	10.095
85.0	6.958	6.229	6.521	6.179	4.901	6.028	5.849	5.492	5.290	5.196
87.5	2.033	3.250	2.324	2.438	2.149	2.691	2.079	2.339	1.716	1.682
90.0	0.447	0.403	0.556	0.326	0.578	0.762	0.564	0.653	0.352	0.467

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	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641	1236.641
2.5	1235.203	1234.534	1234.283	1235.255	1233.920	1233.416	1232.072
5.0	1232.380	1230.025	1229.977	1228.868	1226.673	1226.064	1224.778
7.5	1225.016	1222.311	1220.935	1219.518	1217.050	1214.513	1211.929
10.0	1214.227	1210.397	1210.539	1206.070	1201.608	1200.063	1197.073
12.5	1200.658	1194.721	1194.074	1189.740	1183.217	1181.229	1179.186
15.0	1185.263	1177.122	1176.200	1169.986	1161.666	1159.808	1158.874
17.5	1166.292	1158.042	1154.435	1147.404	1138.721	1135.321	1135.379
20.0	1145.288	1134.146	1131.957	1121.927	1109.483	1109.271	1107.445
22.5	1117.181	1107.071	1102.672	1090.818	1077.930	1075.942	1074.427

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CANDELA TABULATION - (Cont.)

25.0	1085.651	1072.637	1072.481	1054.599	1039.319	1039.436	1037.143
27.5	1045.132	1033.928	1032.859	1016.691	998.581	999.321	995.652
30.0	1000.851	994.558	992.376	977.465	959.751	957.894	954.911
32.5	959.929	954.861	955.720	940.569	921.403	919.072	914.816
35.0	920.173	918.635	919.265	905.232	886.073	881.039	876.781
37.5	884.289	883.874	885.923	871.639	851.337	845.343	840.295
40.0	849.500	849.811	852.643	839.073	815.863	810.227	803.495
42.5	814.752	815.997	820.406	802.804	780.282	771.068	766.494
45.0	780.015	780.497	787.698	764.682	739.029	731.129	725.840
47.5	742.848	744.507	746.875	722.872	697.169	687.690	683.148
50.0	705.242	702.829	705.520	679.511	650.552	643.721	639.012
52.5	661.818	659.801	658.924	630.299	603.634	596.431	594.183
55.0	617.634	602.077	608.864	578.968	547.845	548.795	541.790
57.5	527.189	541.593	534.745	497.644	491.366	475.670	486.353
60.0	432.419	415.931	451.606	407.426	375.241	401.010	385.983
62.5	309.588	281.315	320.962	300.128	261.228	291.404	270.082
65.0	186.231	199.811	205.630	188.693	190.198	182.960	193.858
67.5	134.235	124.152	146.635	134.497	124.640	136.348	128.514
70.0	86.584	88.926	97.365	90.173	90.227	93.567	92.307
72.5	58.065	58.356	64.709	63.474	61.666	65.171	61.975
75.0	38.457	38.763	45.567	43.147	41.683	45.161	43.906
77.5	26.553	26.847	32.486	31.220	30.747	31.996	31.400
80.0	17.726	18.641	21.255	20.639	21.369	21.755	21.739
82.5	10.458	12.023	12.318	12.693	12.479	13.986	12.517
85.0	5.496	5.432	6.005	6.510	6.147	7.464	6.958
87.5	1.971	1.964	2.370	2.585	2.387	2.037	2.033
90.0	0.477	0.513	0.458	0.407	0.463	0.432	0.447

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	449.51	N.A.	15.50
0-30	942.79	N.A.	32.50
0-40	1513.5	N.A.	52.20
0-60	2629.02	N.A.	90.70
0-80	2891.44	N.A.	99.70
0-90	2899.42	N.A.	100.00
10-90	2782.61	N.A.	96.00
20-40	1063.99	N.A.	36.70
20-50	1657.25	N.A.	57.20
40-70	1331.08	N.A.	45.90
60-80	262.43	N.A.	9.10
70-80	46.86	N.A.	1.60
80-90	7.97	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2899.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	116.81
10-20	332.70
20-30	493.29
30-40	570.71
40-50	593.26
50-60	522.26
60-70	215.56
70-80	46.86
80-90	7.97
90-100	0.00
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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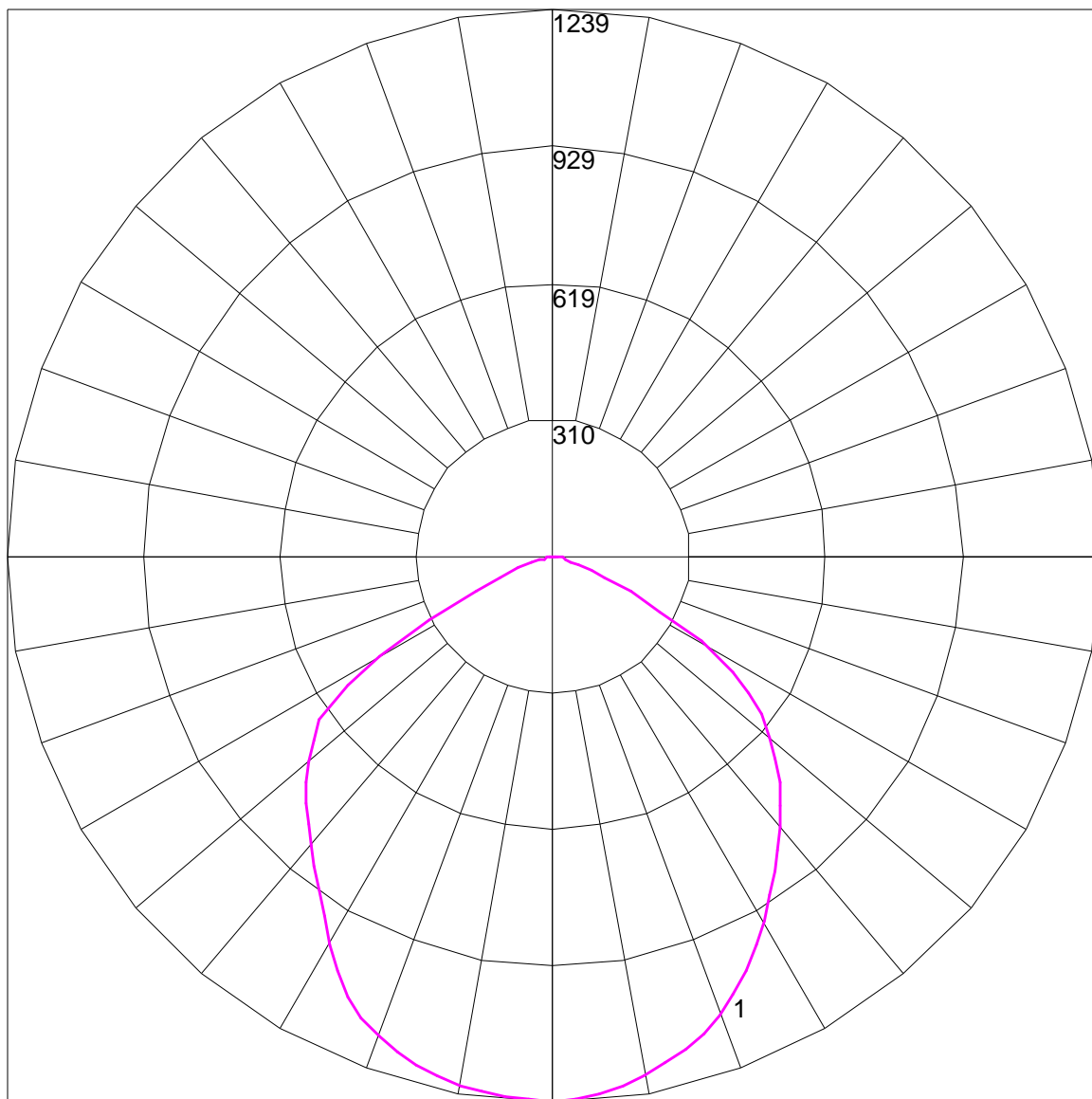
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	101	98	100	98	95	97	94	92	93	91	90	88
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	84	77	71	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	86	75	67	61	84	74	67	61	72	65	60	69	64	59	67	63	59	57
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	44
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	35
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

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POLAR GRAPH



Maximum Candela = 1238.863 Located At Horizontal Angle = 112.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)