

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-37L35K-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00381_1_M-37L
 [TESTLAB] Spectrum Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/20/2018
 [UPDATE] 4/26/2018
 [LUMCAT] SV1411GV-37L-35K-EX-TF2-MWI
 [LUMINAIRE] Nom. 14" diam x 11.4" H, classic bell shape
 [OTHER] Regressed, 6" diam. low profile frosted glass diffuser
 [OTHER] Reflector: Matte White interior finish
 [OTHER] Beam Angle: 99.5 degrees
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [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
 [_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2794
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
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)	1.24 ft (Diameter)
Luminous Width (90-270)	1.24 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-37L35K-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10030	10125	10223
55	6694	6491	6537
65	3073	3048	3052
75	2179	2229	2278
85	1580	1575	1630

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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	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526
2.5	1293.119	1295.923	1296.773	1298.577	1300.907	1299.438	1299.273	1299.025	1298.226	1297.027
5.0	1284.591	1289.708	1289.865	1295.171	1297.967	1297.446	1296.419	1295.358	1295.709	1291.716
7.5	1266.863	1273.006	1275.969	1282.894	1285.324	1284.874	1286.698	1285.903	1283.571	1277.757
10.0	1247.645	1255.521	1258.197	1269.596	1271.098	1271.494	1274.988	1272.532	1270.792	1262.412
12.5	1223.460	1230.753	1235.475	1247.166	1251.268	1251.140	1256.914	1253.376	1248.982	1239.405
15.0	1197.196	1204.960	1209.345	1224.192	1229.654	1229.626	1236.556	1230.964	1226.626	1215.201
17.5	1165.836	1173.903	1179.827	1194.858	1203.513	1202.155	1210.973	1204.824	1198.917	1186.737
20.0	1133.137	1142.143	1147.854	1165.171	1175.141	1173.510	1182.746	1175.525	1170.417	1156.441
22.5	1098.014	1107.962	1114.010	1131.820	1142.604	1140.907	1149.956	1143.452	1137.487	1121.555
25.0	1064.003	1073.572	1079.991	1098.273	1108.633	1107.373	1116.296	1109.705	1104.053	1086.844
27.5	1031.517	1038.668	1045.870	1063.639	1072.584	1071.609	1081.476	1074.816	1068.808	1052.468
30.0	999.011	1004.917	1012.770	1029.279	1037.389	1036.001	1046.464	1039.637	1033.444	1017.857
32.5	966.482	973.266	980.122	995.884	1003.142	1000.677	1011.255	1004.306	997.774	982.911
35.0	934.971	941.772	947.362	962.705	969.116	965.239	975.432	967.732	962.041	948.422
37.5	904.305	910.498	914.566	930.082	935.278	929.646	939.114	930.684	926.187	914.436
40.0	871.806	877.863	881.498	896.213	898.622	892.211	900.204	892.278	889.239	879.397
42.5	838.135	843.751	848.370	859.984	860.079	852.829	859.708	853.502	850.711	843.444
45.0	796.412	802.650	803.970	816.616	811.733	801.791	810.397	802.145	803.487	796.077
47.5	750.764	755.726	758.090	762.881	758.452	741.031	757.063	748.544	746.508	741.153
50.0	658.541	668.643	652.228	676.687	657.978	641.172	653.728	635.867	654.007	643.889
52.5	549.809	555.666	543.068	553.944	540.159	516.447	533.333	517.686	530.494	525.555
55.0	431.158	438.062	418.103	434.997	421.026	401.348	415.100	400.163	415.276	410.752
57.5	310.039	318.182	297.807	319.328	301.543	290.835	297.368	285.044	305.587	297.276
60.0	240.729	242.962	234.974	240.655	234.584	224.488	233.884	227.459	234.802	232.223
62.5	179.615	183.710	176.517	186.750	176.436	173.954	177.954	172.753	183.835	179.826
65.0	145.838	147.065	144.672	148.935	144.847	141.417	146.695	142.348	148.278	146.565
67.5	114.639	116.071	115.796	119.277	115.836	113.285	117.588	114.221	118.522	116.525
70.0	93.947	95.028	96.155	97.752	96.191	93.843	96.740	94.688	97.617	97.989
72.5	75.842	76.749	79.141	78.911	78.746	76.303	78.445	77.911	78.866	80.470
75.0	63.341	65.843	64.796	66.247	66.209	63.396	65.387	64.296	64.127	65.110
77.5	50.295	52.015	50.722	52.812	52.001	49.499	50.201	49.382	49.292	50.309
80.0	36.944	37.752	37.490	39.083	37.896	35.605	35.870	35.357	35.190	36.737
82.5	24.411	26.090	25.524	26.478	25.515	23.255	23.833	23.395	23.394	25.014
85.0	15.467	16.902	15.414	16.549	15.952	14.114	13.912	14.411	14.110	14.514
87.5	8.172	7.440	8.234	8.578	7.140	5.836	6.300	5.389	6.893	6.407
90.0	1.324	1.016	0.843	0.438	0.736	0.510	0.480	0.562	0.136	0.638
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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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	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526	1300.526
2.5	1296.002	1293.384	1293.270	1293.029	1291.841	1292.570	1293.119
5.0	1289.775	1284.232	1283.512	1284.378	1281.719	1282.490	1284.591
7.5	1274.733	1267.540	1264.812	1266.361	1263.487	1266.406	1266.863
10.0	1256.784	1248.430	1245.628	1247.311	1244.739	1248.666	1247.645
12.5	1234.186	1223.522	1220.171	1222.564	1218.580	1224.460	1223.460
15.0	1210.531	1197.182	1194.219	1196.540	1192.028	1199.113	1197.196
17.5	1180.262	1168.220	1163.798	1165.876	1160.825	1167.108	1165.836
20.0	1149.098	1136.668	1132.673	1134.247	1129.368	1134.492	1133.137
22.5	1114.265	1101.531	1097.916	1100.116	1096.411	1101.073	1098.014
25.0	1079.211	1066.606	1063.451	1066.056	1063.182	1067.623	1064.003
27.5	1044.174	1031.906	1029.997	1032.134	1028.908	1033.961	1031.517
30.0	1009.278	998.195	997.232	999.257	995.430	1000.545	999.011
32.5	976.198	965.311	966.153	967.904	964.110	969.178	966.482
35.0	943.375	933.878	935.066	937.087	933.013	937.749	934.971
37.5	912.257	903.370	903.963	906.874	902.356	906.003	904.305
40.0	880.381	871.909	872.304	875.679	870.928	874.141	871.806
42.5	845.423	839.983	839.861	843.633	838.317	841.888	838.135
45.0	804.496	795.859	798.796	804.900	798.810	804.563	796.412
47.5	746.849	747.354	748.460	761.612	751.224	755.107	750.764
50.0	668.085	647.713	663.217	676.888	669.814	682.261	658.541
52.5	544.885	535.434	548.350	570.906	557.993	567.363	549.809
55.0	428.198	418.561	433.516	454.322	443.528	452.279	431.158
57.5	321.781	300.967	318.703	333.756	327.192	336.942	310.039
60.0	241.116	238.329	244.093	258.304	248.741	250.417	240.729
62.5	191.385	180.024	189.008	195.131	190.542	194.360	179.615
65.0	151.941	148.273	151.712	157.009	151.563	152.331	145.838

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CANDELA TABULATION - (Cont.)

67.5	122.103	117.931	120.880	123.215	120.087	121.692	114.639
70.0	99.596	97.870	98.906	100.732	98.062	98.085	93.947
72.5	80.830	80.014	79.424	80.692	78.596	77.569	75.842
75.0	66.790	65.920	65.955	67.167	64.288	64.297	63.341
77.5	52.183	51.102	51.751	52.416	50.746	51.034	50.295
80.0	37.166	37.390	37.442	38.294	37.515	37.867	36.944
82.5	24.558	25.285	24.560	26.349	24.460	25.238	24.411
85.0	15.739	14.611	15.923	15.827	16.463	17.348	15.467
87.5	7.473	7.273	7.715	7.929	8.308	8.623	8.172
90.0	0.295	0.786	0.699	1.180	1.162	0.570	1.324
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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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	463.33	N.A.	16.60
0-30	963.43	N.A.	34.50
0-40	1558.4	N.A.	55.80
0-60	2554.63	N.A.	91.40
0-80	2776.03	N.A.	99.30
0-90	2794.14	N.A.	100.00
10-90	2672.06	N.A.	95.60
20-40	1095.07	N.A.	39.20
20-50	1707.33	N.A.	61.10
40-70	1148.59	N.A.	41.10
60-80	221.40	N.A.	7.90
70-80	69.05	N.A.	2.50
80-90	18.11	N.A.	0.60
90-110	0.10	N.A.	0.00
90-120	0.10	N.A.	0.00
90-130	0.10	N.A.	0.00
90-150	0.10	N.A.	0.00
90-180	0.10	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2794.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	122.08
10-20	341.26
20-30	500.10
30-40	594.97
40-50	612.27
50-60	383.97
60-70	152.35
70-80	69.05
80-90	18.11
90-100	0.10
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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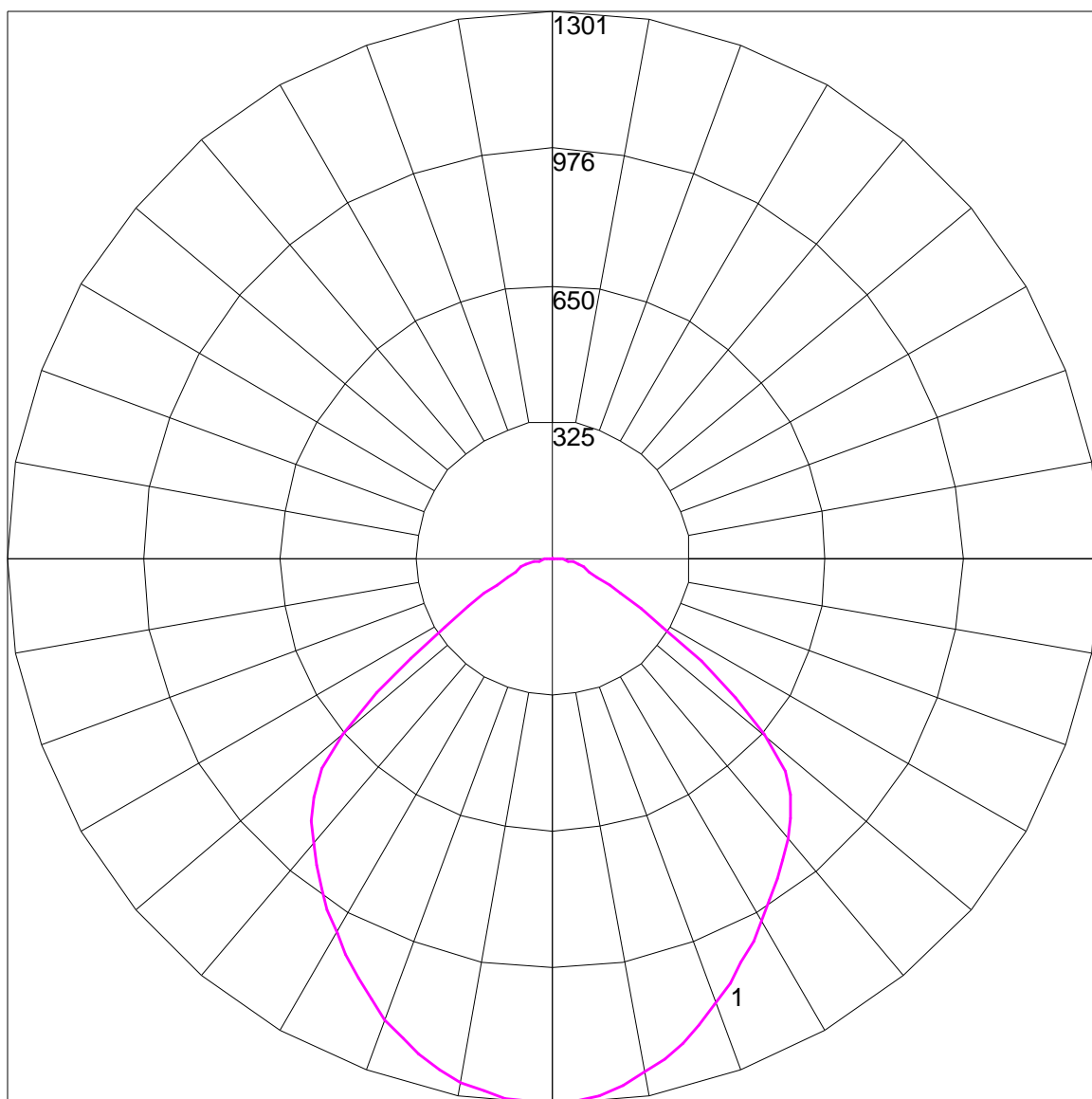
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	100	98	95	97	95	93	93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	55	49	73	62	54	48	60	53	48	58	52	48	57	52	47	45
7	70	57	49	43	68	56	49	43	55	48	43	54	47	43	52	47	42	41
8	65	52	44	39	63	52	44	39	50	44	39	49	43	38	48	42	38	36
9	61	48	41	35	59	48	40	35	47	40	35	45	39	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	41	36	32	30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00381_1 ~ SV1411GV-37L35K-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 1300.907 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)