

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00732 ~ SP1414GV-37L35KEX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00732_M-37L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 5/29/2018

[UPDATE] 11/14/2018

[LUMCAT] EP1414GV-37L-35K-EX-TF2-WMI

[LUMINAIRE] Nom. 14" dia x 14" H Espresso Pendant Specplume Decorative luminaire

[OTHER] Reflector: Matte white interior finish

[OTHER] Beam Angle: 78.2 degrees

[LAMPCAT] N/A

[LAMP] N/A, Gen3

[OTHER] 4" Diffuse Domed Glass

[OTHER] Total Luminaire Watts is approximate

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

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

[_CRI] 85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2317
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.17 ft (Diameter)
Luminous Width (90-270)	1.17 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	5498	5443	5266
55	3904	3840	3692
65	3501	3492	3385
75	2792	2831	2763
85	903	1122	1056

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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	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070
2.5	1359.133	1358.128	1357.118	1357.568	1353.075	1342.824	1340.736	1340.968	1343.310	1344.229
5.0	1360.627	1359.979	1357.136	1353.995	1346.494	1333.424	1330.391	1329.202	1331.290	1333.083
7.5	1356.457	1355.698	1351.070	1345.968	1336.089	1320.648	1316.991	1315.050	1316.664	1319.524
10.0	1344.991	1347.972	1340.527	1333.938	1322.455	1304.980	1302.740	1299.550	1300.640	1301.725
12.5	1326.228	1330.278	1322.309	1316.845	1306.214	1286.376	1283.808	1279.444	1280.514	1279.862
15.0	1303.080	1308.168	1300.936	1296.077	1285.090	1265.516	1263.928	1258.200	1258.631	1255.840
17.5	1276.335	1280.337	1275.162	1271.720	1260.743	1242.804	1239.009	1234.015	1234.868	1230.096
20.0	1246.793	1250.556	1247.443	1245.208	1234.868	1217.797	1213.406	1208.788	1210.487	1203.423
22.5	1215.402	1220.354	1217.502	1216.826	1208.176	1191.227	1186.868	1181.459	1183.116	1176.152
25.0	1185.803	1190.041	1187.728	1187.555	1181.222	1162.958	1160.263	1152.878	1155.006	1148.063
27.5	1157.163	1158.749	1158.109	1157.696	1154.157	1133.764	1128.472	1122.234	1122.968	1119.554
30.0	1117.366	1127.277	1117.567	1127.619	1113.966	1086.498	1095.215	1076.939	1090.242	1071.078
32.5	1072.789	1064.260	1068.739	1064.794	1069.397	1031.494	1020.695	1012.229	1011.190	1014.339
35.0	956.196	997.470	961.310	992.509	948.634	899.097	937.179	896.171	927.207	880.525
37.5	815.960	830.812	817.631	832.501	809.130	740.312	756.147	725.101	750.142	722.365
40.0	650.504	658.039	655.923	654.347	637.091	579.084	581.527	568.440	568.250	567.293
42.5	478.681	516.117	485.356	511.529	459.549	417.239	449.793	424.638	449.122	412.951
45.0	388.677	378.283	384.791	373.633	372.251	339.869	333.523	333.492	334.105	340.043
47.5	312.983	325.612	311.976	316.972	294.882	277.273	286.419	280.307	289.982	280.585
50.0	276.231	275.355	271.330	266.718	261.025	246.503	245.046	244.758	248.005	249.797
52.5	243.622	248.562	240.357	240.822	229.373	219.398	222.284	219.557	225.255	221.812
55.0	223.891	223.167	220.203	215.709	211.705	203.129	201.865	201.660	203.762	204.911
57.5	204.848	205.951	202.399	199.861	194.089	187.437	187.436	187.210	189.224	188.475
60.0	186.529	188.404	184.612	183.825	177.411	171.396	172.522	171.443	174.235	172.327
62.5	168.108	169.489	166.828	165.564	160.634	155.281	156.641	155.194	157.507	156.021
65.0	147.906	150.375	147.560	147.304	143.006	137.714	139.964	137.879	140.258	137.319
67.5	127.935	130.676	128.192	129.051	125.356	120.081	122.071	120.270	121.546	118.672
70.0	109.210	111.491	109.535	110.544	107.624	102.088	104.344	102.983	103.448	100.300
72.5	90.623	93.025	91.117	91.474	89.684	84.531	86.760	85.516	86.188	82.812
75.0	72.233	74.903	73.249	74.118	71.501	67.588	69.253	67.144	68.583	66.528
77.5	54.996	56.860	55.666	57.469	54.460	49.840	51.848	49.508	50.938	48.360
80.0	38.129	38.726	38.846	40.011	37.893	32.519	34.668	32.665	33.469	31.608
82.5	21.684	23.347	23.371	23.359	22.365	17.192	18.660	17.205	18.193	17.064
85.0	7.871	9.554	9.776	10.165	9.203	6.342	5.571	5.559	6.228	5.403
87.5	1.590	1.964	1.807	1.766	1.719	1.118	1.073	1.122	1.235	0.712
90.0	0.695	0.204	0.490	0.350	0.428	0.411	0.263	0.564	0.242	0.544
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	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070	1353.070
2.5	1347.010	1351.793	1353.980	1351.928	1354.923	1357.308	1359.133
5.0	1338.110	1342.206	1348.364	1351.471	1356.324	1361.506	1360.627
7.5	1323.795	1329.105	1337.652	1344.305	1349.573	1353.946	1356.457
10.0	1307.976	1310.801	1323.511	1333.595	1337.934	1345.428	1344.991
12.5	1286.409	1289.367	1302.171	1314.353	1317.919	1325.503	1326.228
15.0	1263.708	1264.841	1276.961	1291.579	1295.140	1305.031	1303.080
17.5	1236.278	1238.838	1249.679	1264.591	1268.561	1276.217	1276.335
20.0	1208.229	1210.394	1221.507	1236.219	1241.232	1247.396	1246.793
22.5	1179.858	1181.013	1191.678	1207.953	1213.057	1218.491	1215.402
25.0	1151.462	1151.847	1161.292	1179.712	1185.355	1189.663	1185.803
27.5	1120.700	1122.741	1129.816	1150.558	1158.091	1161.404	1157.163
30.0	1088.363	1078.141	1098.069	1121.249	1120.742	1128.897	1117.366
32.5	1009.045	1030.324	1024.340	1061.245	1075.852	1076.206	1072.789
35.0	921.362	891.877	943.234	997.975	969.293	999.087	956.196
37.5	742.989	740.325	772.772	830.951	824.584	836.872	815.960
40.0	572.108	579.702	592.346	659.379	661.497	675.832	650.504
42.5	448.361	418.359	470.571	517.110	489.380	517.936	478.681
45.0	338.860	351.501	351.728	379.788	390.940	391.435	388.677
47.5	293.075	287.870	306.794	327.762	320.696	330.171	312.983
50.0	252.714	257.979	263.089	278.503	279.791	281.164	276.231
52.5	229.969	229.086	239.592	252.204	247.707	252.673	243.622
55.0	208.848	212.079	216.762	227.219	226.587	228.152	223.891
57.5	191.737	194.929	199.722	209.302	207.849	209.044	204.848
60.0	174.738	176.795	182.408	190.980	187.927	189.804	186.529
62.5	157.963	158.538	163.524	171.088	167.833	170.420	168.108
65.0	140.489	139.712	144.488	151.024	148.288	150.850	147.906

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CANDELA TABULATION - (Cont.)

67.5	121.946	120.903	124.893	130.497	128.795	131.117	127.935
70.0	103.660	102.139	105.595	110.904	109.449	111.631	109.210
72.5	85.590	83.992	86.783	92.567	90.352	92.267	90.623
75.0	67.949	66.407	68.142	73.714	71.812	74.058	72.233
77.5	50.214	47.865	49.940	55.083	53.985	56.032	54.996
80.0	32.326	30.855	32.920	37.448	37.384	38.520	38.129
82.5	16.272	16.116	17.424	22.295	22.302	22.952	21.684
85.0	4.627	5.283	4.612	7.760	8.388	8.344	7.871
87.5	1.035	1.061	0.980	1.581	1.599	1.912	1.590
90.0	0.209	0.553	0.598	0.331	0.564	0.191	0.695
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	488.73	N.A.	21.10
0-30	1028.26	N.A.	44.40
0-40	1592.78	N.A.	68.80
0-60	2087.21	N.A.	90.10
0-80	2303.9	N.A.	99.50
0-90	2316.54	N.A.	100.00
10-90	2188.83	N.A.	94.50
20-40	1104.05	N.A.	47.70
20-50	1404.41	N.A.	60.60
40-70	636.68	N.A.	27.50
60-80	216.69	N.A.	9.40
70-80	74.44	N.A.	3.20
80-90	12.64	N.A.	0.50
90-110	0.06	N.A.	0.00
90-120	0.06	N.A.	0.00
90-130	0.06	N.A.	0.00
90-150	0.06	N.A.	0.00
90-180	0.06	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2316.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	127.70
10-20	361.02
20-30	539.53
30-40	564.52
40-50	300.36
50-60	194.07
60-70	142.25
70-80	74.44
80-90	12.64
90-100	0.06
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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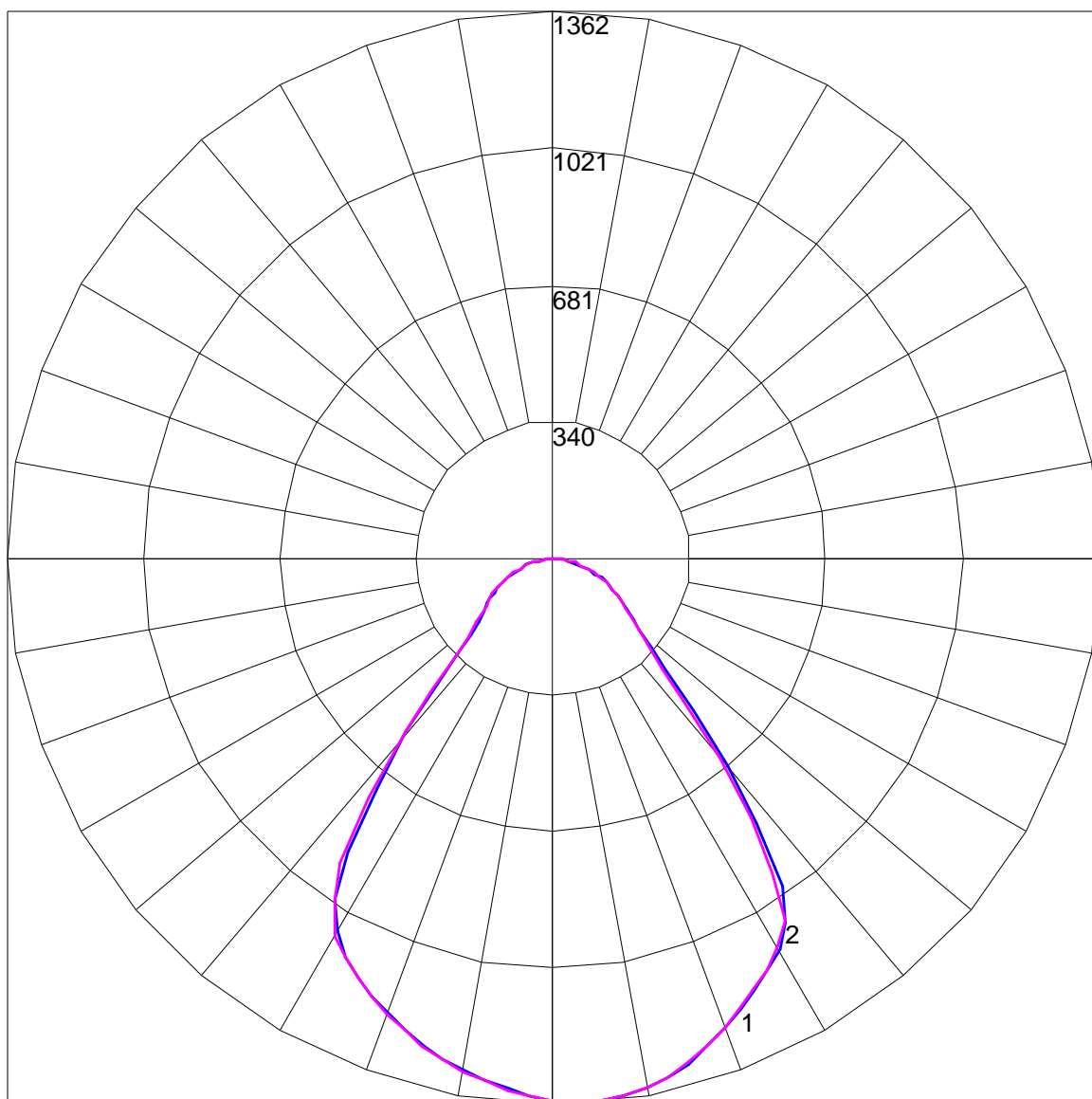
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	91	87	84	88	85	82	85	83	80	78
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62
5	83	73	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	56
6	78	67	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52	50
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42
9	64	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00732 ~ SP1414GV-37L35KEX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 1361.506 Located At Horizontal Angle = 337.5, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)