

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-15L35K-TF1-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00452_2_M-15L
[TESTLAB] Spectrum Photometric Lab VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 4/20/2018
[UPDATE] 4/26/2018
[LUMCAT] SV1007GV-15L-35K-EX-TF1-MWI
[LUMINAIRE] Nom. 10" diam x 8" H, classic bell shape
[OTHER] Regressed, 4" diam. low profile frosted glass diffuser
[OTHER] Reflector: Matte White interior finish
[OTHER] Beam Angle: 102 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 27L
[_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1101
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.84 ft (Diameter)
Luminous Width (90-270)	0.84 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-15L35K-TF1-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8020	8132	8086
55	6749	6852	6988
65	3537	3630	3849
75	1959	2085	2321
85	1038	1138	1290

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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	482.541	482.541	482.541	482.541	482.541	482.541	482.541	482.541	482.541	482.541
2.5	481.178	481.219	481.416	481.561	481.465	481.056	481.889	481.525	481.731	480.859
5.0	477.952	478.633	478.334	479.281	478.893	477.704	478.272	478.183	477.927	477.947
7.5	473.371	473.511	474.240	475.067	474.716	472.736	473.559	473.026	472.755	472.884
10.0	466.796	467.087	467.345	469.201	469.066	466.474	466.835	466.024	466.310	466.005
12.5	458.808	459.071	459.207	461.580	462.244	458.755	458.805	457.754	457.904	456.833
15.0	449.272	450.364	449.818	452.666	453.354	449.146	448.696	447.457	447.922	446.488
17.5	438.780	439.822	439.947	442.326	443.001	437.701	437.771	435.966	436.544	434.846
20.0	426.845	428.590	428.668	431.070	431.776	425.948	425.716	423.134	424.170	422.218
22.5	414.139	416.497	416.943	419.353	420.020	413.927	413.061	409.606	410.948	408.634
25.0	401.184	404.136	404.897	407.379	407.926	400.905	399.690	396.057	397.208	395.244
27.5	388.115	392.413	392.768	395.894	395.655	387.138	386.110	382.499	383.161	382.016
30.0	375.266	380.848	380.470	384.640	382.875	373.708	372.313	368.925	368.953	368.591
32.5	362.503	368.467	368.136	371.847	369.864	360.496	358.302	355.345	356.093	355.020
35.0	349.758	355.916	355.394	358.430	356.362	346.967	344.095	342.039	343.846	341.393
37.5	337.018	343.023	342.587	344.430	342.675	333.261	330.436	328.819	330.671	327.730
40.0	323.628	330.077	328.772	330.230	327.833	318.075	317.211	314.883	317.139	313.574
42.5	310.066	315.852	314.842	315.533	312.631	302.180	302.004	300.765	302.655	299.148
45.0	293.640	301.491	297.748	300.697	296.067	285.622	285.429	283.299	287.869	282.856
47.5	276.587	284.159	280.406	282.973	279.145	268.799	267.570	265.151	269.814	265.672
50.0	256.627	266.611	259.865	264.590	259.295	248.528	248.939	245.910	250.886	246.340
52.5	236.181	239.332	239.190	239.983	238.837	227.061	225.841	226.495	229.256	226.145
55.0	200.431	211.671	203.510	214.256	207.542	195.643	200.451	196.770	207.058	198.528
57.5	162.859	171.650	167.841	176.940	174.503	161.401	167.742	165.908	173.626	168.439
60.0	129.786	132.079	132.519	138.103	139.567	129.214	131.806	133.503	138.404	137.185
62.5	97.090	104.807	98.321	109.360	104.406	97.502	104.547	100.988	110.872	105.602
65.0	77.389	78.617	79.433	81.575	84.217	78.382	80.543	82.621	84.272	84.089
67.5	58.733	63.011	61.530	65.846	65.332	61.510	64.666	65.086	68.058	64.782
70.0	47.150	48.613	48.576	51.138	52.236	49.034	50.882	52.137	52.980	52.493
72.5	36.136	37.630	37.191	40.241	40.335	37.499	40.020	40.249	41.980	41.150
75.0	26.254	27.846	27.944	29.923	31.100	28.392	30.023	30.425	31.935	31.544
77.5	18.660	19.310	19.925	20.350	21.669	20.142	21.439	22.091	22.910	22.776
80.0	12.274	13.558	12.913	13.715	13.980	13.069	13.664	14.661	15.011	15.155
82.5	7.412	7.945	7.842	8.685	9.277	8.054	8.311	8.676	9.531	9.433
85.0	4.683	4.740	5.135	5.468	5.823	5.182	5.261	5.590	5.929	5.708
87.5	2.095	2.474	2.333	1.888	3.020	1.783	2.387	2.668	3.009	2.759
90.0	0.531	0.329	0.448	0.414	0.643	0.535	0.378	0.323	0.328	0.593
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. 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	482.541	482.541	482.541	482.541	482.541	482.541	482.541
2.5	482.192	480.748	481.416	482.194	481.892	481.877	481.178
5.0	479.289	477.690	478.926	479.127	478.910	479.166	477.952
7.5	474.716	473.071	474.410	475.063	475.002	474.551	473.371
10.0	467.740	466.939	468.211	470.420	468.920	468.111	466.796
12.5	459.513	459.636	460.120	463.073	462.114	459.986	458.808
15.0	449.736	449.793	450.674	454.364	452.097	450.463	449.272
17.5	438.270	438.207	439.884	443.550	441.208	439.360	438.780
20.0	424.972	425.466	428.256	431.827	428.456	427.096	426.845
22.5	411.593	412.047	416.031	419.443	415.283	414.237	414.139
25.0	398.136	399.301	403.482	406.821	401.874	401.001	401.184
27.5	384.736	386.894	390.215	393.475	388.423	387.322	388.115
30.0	371.383	373.916	376.617	379.908	375.033	373.403	375.266
32.5	358.187	360.689	363.721	366.925	361.650	360.600	362.503
35.0	345.106	347.392	351.100	354.086	348.022	348.324	349.758
37.5	331.489	334.069	336.799	339.975	334.371	334.593	337.018
40.0	317.538	318.759	321.944	325.618	320.151	320.285	323.628
42.5	302.271	302.853	306.269	309.967	305.904	305.781	310.066
45.0	286.301	285.638	290.373	294.123	289.579	291.211	293.640
47.5	268.403	268.092	271.815	275.710	273.180	274.741	276.587
50.0	249.605	248.273	252.678	257.024	254.141	257.743	256.627
52.5	227.919	228.005	228.779	235.224	234.360	233.274	236.181
55.0	205.102	198.612	204.071	213.226	202.603	207.151	200.431
57.5	173.137	167.879	168.719	176.263	170.462	170.305	162.859
60.0	138.205	134.799	132.068	138.895	134.493	131.592	129.786
62.5	110.355	101.463	104.567	110.224	100.482	104.858	97.090
65.0	84.452	81.884	77.854	82.437	80.141	79.684	77.389

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CANDELA TABULATION - (Cont.)

67.5	67.023	63.488	63.916	67.403	61.698	63.866	58.733
70.0	51.342	51.592	50.686	53.245	49.874	49.197	47.150
72.5	41.301	40.182	39.865	41.981	39.123	38.769	36.136
75.0	31.786	29.824	29.768	31.945	29.561	29.417	26.254
77.5	23.013	21.396	20.527	23.016	21.155	21.198	18.660
80.0	15.627	14.080	13.825	15.776	13.565	13.566	12.274
82.5	9.884	8.425	8.587	10.075	8.164	8.590	7.412
85.0	6.328	5.446	4.965	6.404	5.619	5.258	4.683
87.5	2.855	2.223	2.230	2.883	2.385	2.415	2.095
90.0	0.405	0.393	0.282	0.535	0.427	0.469	0.531
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	172.05	N.A.	15.60
0-30	357.18	N.A.	32.40
0-40	575.75	N.A.	52.30
0-60	977.91	N.A.	88.80
0-80	1094.63	N.A.	99.40
0-90	1101.12	N.A.	100.00
10-90	1055.79	N.A.	95.90
20-40	403.70	N.A.	36.70
20-50	627.32	N.A.	57.00
40-70	486.48	N.A.	44.20
60-80	116.73	N.A.	10.60
70-80	32.40	N.A.	2.90
80-90	6.49	N.A.	0.60
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	1101.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.33
10-20	126.72
20-30	185.13
30-40	218.57
40-50	223.63
50-60	178.53
60-70	84.33
70-80	32.40
80-90	6.49
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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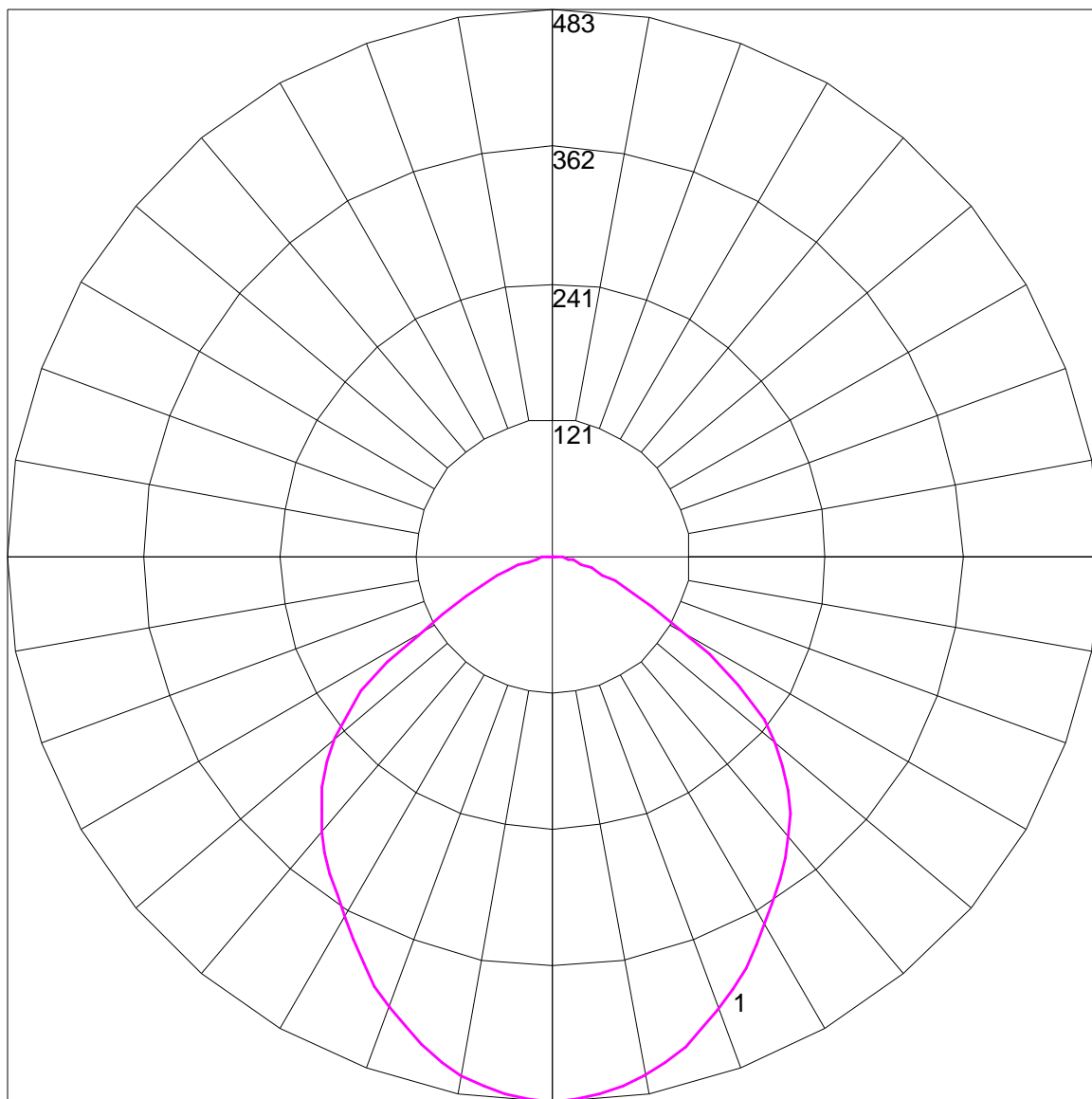
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	93	84	77	71	91	82	76	70	79	74	69	77	72	68	74	70	67	64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	52	61	55	51	49
6	73	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43
7	68	55	47	41	67	55	47	41	53	46	41	52	45	41	50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37	48	41	37	46	41	36	34
9	59	47	39	33	58	46	39	33	45	38	33	44	38	33	43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30	41	34	30	40	34	30	28

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POLAR GRAPH



Maximum Candela = 482.541 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)