

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00452_2
[TESTLAB] Spectrum Photometric Lab VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/20/2018
[UPDATE] 4/26/2018
[LUMCAT] SV1007GV-27L-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
[_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1922
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	18
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-27L35K-TF1-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13997	14192	14112
55	11778	11959	12196
65	6172	6335	6717
75	3419	3639	4050
85	1811	1986	2252

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

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	842.131	842.131	842.131	842.131	842.131	842.131	842.131	842.131	842.131	842.131
2.5	839.753	839.823	840.168	840.421	840.253	839.539	840.993	840.358	840.717	839.195
5.0	834.122	835.310	834.789	836.441	835.764	833.690	834.680	834.525	834.078	834.114
7.5	826.127	826.371	827.644	829.088	828.474	825.019	826.455	825.525	825.053	825.278
10.0	814.653	815.160	815.611	818.850	818.615	814.090	814.720	813.306	813.804	813.273
12.5	800.712	801.171	801.409	805.550	806.709	800.619	800.706	798.872	799.134	797.265
15.0	784.069	785.976	785.022	789.993	791.193	783.850	783.064	780.903	781.714	779.211
17.5	765.759	767.578	767.795	771.948	773.126	763.876	763.999	760.849	761.857	758.894
20.0	744.931	747.976	748.112	752.304	753.535	743.364	742.960	738.454	740.262	736.855
22.5	722.756	726.870	727.650	731.855	733.020	722.385	720.874	714.844	717.187	713.148
25.0	700.146	705.299	706.626	710.958	711.912	699.659	697.539	691.199	693.207	689.780
27.5	677.338	684.840	685.459	690.914	690.498	675.633	673.840	667.538	668.692	666.695
30.0	654.915	664.657	663.996	671.274	668.193	652.196	649.761	643.849	643.897	643.265
32.5	632.641	643.048	642.471	648.948	645.487	629.137	625.309	620.148	621.453	619.582
35.0	610.398	621.145	620.234	625.532	621.924	605.527	600.515	596.927	600.081	595.800
37.5	588.164	598.644	597.883	601.099	598.036	581.608	576.677	573.855	577.087	571.954
40.0	564.796	576.050	573.773	576.317	572.134	555.105	553.596	549.534	553.471	547.249
42.5	541.127	551.225	549.463	550.668	545.603	527.364	527.058	524.896	528.193	522.074
45.0	512.460	526.162	519.630	524.777	516.696	498.468	498.131	494.414	502.389	493.640
47.5	482.699	495.914	489.365	493.844	487.164	469.108	466.964	462.742	470.879	463.651
50.0	447.865	465.290	453.516	461.762	452.521	433.732	434.449	429.162	437.846	429.912
52.5	412.183	417.682	417.434	418.819	416.818	396.267	394.138	395.280	400.098	394.669
55.0	349.793	369.408	355.166	373.919	362.203	341.437	349.828	343.403	361.357	346.471
57.5	284.221	299.563	292.917	308.795	304.543	281.678	292.743	289.543	303.012	293.959
60.0	226.503	230.504	231.272	241.017	243.572	225.504	230.028	232.989	241.542	239.415
62.5	169.441	182.910	171.590	190.856	182.210	170.160	182.455	176.244	193.494	184.297
65.0	135.060	137.202	138.626	142.364	146.975	136.793	140.563	144.191	147.072	146.753
67.5	102.500	109.966	107.383	114.914	114.017	107.347	112.856	113.589	118.775	113.058
70.0	82.287	84.839	84.774	89.246	91.162	85.575	88.800	90.990	92.461	91.611
72.5	63.065	65.672	64.905	70.229	70.393	65.443	69.843	70.242	73.263	71.815
75.0	45.819	48.597	48.768	52.222	54.276	49.550	52.397	53.097	55.733	55.051
77.5	32.565	33.699	34.773	35.514	37.816	35.151	37.416	38.553	39.982	39.748
80.0	21.420	23.661	22.536	23.936	24.398	22.808	23.846	25.586	26.197	26.448
82.5	12.936	13.866	13.686	15.157	16.191	14.056	14.504	15.141	16.634	16.463
85.0	8.173	8.272	8.962	9.543	10.162	9.043	9.181	9.755	10.347	9.962
87.5	3.657	4.317	4.072	3.295	5.271	3.111	4.165	4.656	5.251	4.815
90.0	0.927	0.574	0.781	0.723	1.122	0.933	0.659	0.564	0.573	1.035
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

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. 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	842.131	842.131	842.131	842.131	842.131	842.131	842.131
2.5	841.521	839.001	840.168	841.526	840.999	840.972	839.753
5.0	836.455	833.665	835.822	836.172	835.794	836.240	834.122
7.5	828.474	825.604	827.941	829.080	828.974	828.187	826.127
10.0	816.300	814.902	817.123	820.978	818.360	816.948	814.653
12.5	801.942	802.157	803.002	808.155	806.482	802.767	800.712
15.0	784.879	784.979	786.516	792.957	789.000	786.149	784.069
17.5	764.869	764.760	767.686	774.084	769.997	766.772	765.759
20.0	741.661	742.524	747.393	753.624	747.741	745.368	744.931
22.5	718.312	719.104	726.057	732.012	724.752	722.926	722.756
25.0	694.827	696.861	704.157	709.985	701.350	699.828	700.146
27.5	671.441	675.208	681.003	686.692	677.876	675.955	677.338
30.0	648.137	652.559	657.272	663.016	654.508	651.664	654.915
32.5	625.109	629.475	634.766	640.357	631.152	629.320	632.641
35.0	602.280	606.269	612.740	617.951	607.368	607.895	610.398
37.5	578.515	583.018	587.782	593.325	583.545	583.932	588.164
40.0	554.168	556.299	561.857	568.269	558.728	558.962	564.796
42.5	527.523	528.540	534.500	540.954	533.864	533.649	541.127
45.0	499.652	498.496	506.759	513.303	505.374	508.221	512.460
47.5	468.417	467.875	474.371	481.169	476.754	479.479	482.699
50.0	435.611	433.286	440.973	448.558	443.527	449.814	447.865
52.5	397.765	397.915	399.266	410.513	409.005	407.110	412.183
55.0	357.944	346.617	356.144	372.123	353.583	361.520	349.793
57.5	302.159	292.982	294.449	307.615	297.490	297.216	284.221
60.0	241.195	235.252	230.486	242.399	234.717	229.655	226.503
62.5	192.592	177.074	182.490	192.363	175.362	182.999	169.441
65.0	147.385	142.904	135.871	143.869	139.862	139.064	135.060

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

CANDELA TABULATION - (Cont.)

67.5	116.968	110.800	111.547	117.631	107.676	111.459	102.500
70.0	89.602	90.039	88.458	92.924	87.040	85.858	82.287
72.5	72.079	70.125	69.572	73.265	68.278	67.660	63.065
75.0	55.473	52.048	51.952	55.750	51.590	51.338	45.819
77.5	40.163	37.341	35.823	40.168	36.919	36.995	32.565
80.0	27.272	24.572	24.128	27.533	23.673	23.676	21.420
82.5	17.250	14.703	14.986	17.583	14.247	14.992	12.936
85.0	11.043	9.505	8.665	11.177	9.806	9.176	8.173
87.5	4.983	3.880	3.891	5.031	4.163	4.215	3.657
90.0	0.706	0.686	0.493	0.934	0.746	0.818	0.927
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	300.27	N.A.	15.60
0-30	623.35	N.A.	32.40
0-40	1004.8	N.A.	52.30
0-60	1706.64	N.A.	88.80
0-80	1910.35	N.A.	99.40
0-90	1921.67	N.A.	100.00
10-90	1842.56	N.A.	95.90
20-40	704.53	N.A.	36.70
20-50	1094.81	N.A.	57.00
40-70	849.01	N.A.	44.20
60-80	203.71	N.A.	10.60
70-80	56.54	N.A.	2.90
80-90	11.32	N.A.	0.60
90-110	0.11	N.A.	0.00
90-120	0.11	N.A.	0.00
90-130	0.11	N.A.	0.00
90-150	0.11	N.A.	0.00
90-180	0.11	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1921.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.11
10-20	221.15
20-30	323.08
30-40	381.45
40-50	390.28
50-60	311.57
60-70	147.17
70-80	56.54
80-90	11.32
90-100	0.11
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

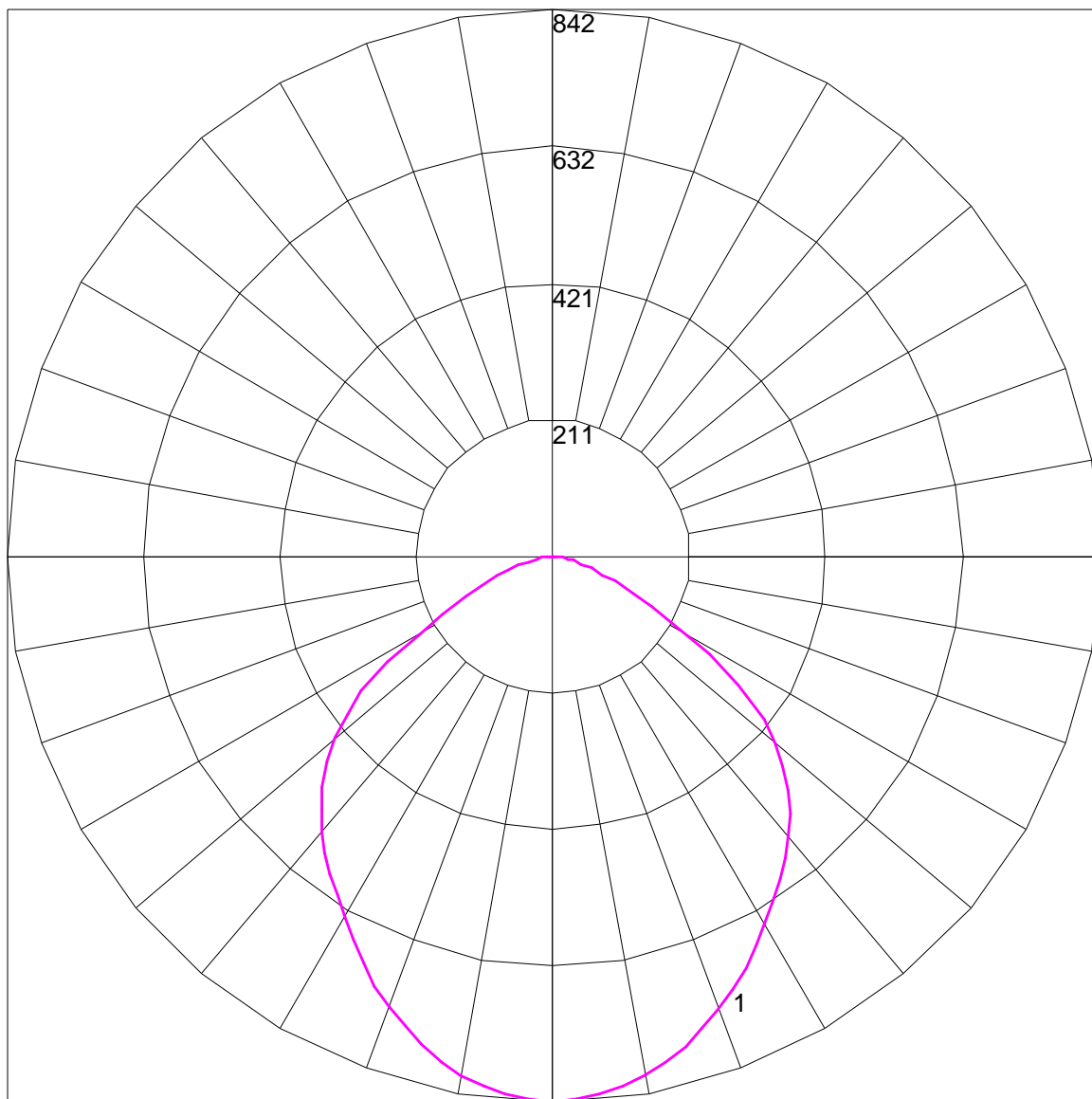
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	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	51	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00452_2 ~ SV1007GV-27L35K-TF1-MWI.IES

POLAR GRAPH



Maximum Candela = 842.131 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)