

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00733_M-27L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 10/30/2018

[UPDATE] 11/20/2018

[LUMCAT] ED2015GV-27L-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	1961
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	18
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3409	3558	3633
55	3137	3363	3517
65	1523	1580	1480
75	563	503	432
85	265	248	187

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-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	836.551	836.551	836.551	836.551	836.551	836.551	836.551	836.551	836.551	836.551
2.5	833.460	834.394	833.247	834.416	835.243	838.054	837.752	837.309	836.060	836.487
5.0	828.526	828.570	829.337	830.656	832.565	835.854	836.616	835.620	834.357	833.733
7.5	819.835	821.685	823.805	825.125	826.959	832.201	833.471	831.946	830.320	830.056
10.0	809.784	812.293	815.590	818.297	820.393	826.499	827.781	826.483	825.311	822.948
12.5	797.685	801.687	805.039	809.153	811.848	819.853	821.035	819.324	817.381	815.020
15.0	783.944	788.673	792.632	798.512	802.024	810.157	813.136	810.210	808.442	803.422
17.5	768.051	774.372	778.837	785.702	789.968	799.246	802.749	799.478	796.609	791.148
20.0	749.154	757.836	762.050	771.696	775.303	784.905	789.991	786.107	783.928	775.786
22.5	726.818	737.735	743.317	751.522	756.634	769.436	773.410	770.831	765.966	759.980
25.0	701.597	712.346	718.419	728.473	733.030	744.880	753.648	748.331	746.772	734.543
27.5	673.529	685.343	690.046	699.820	702.929	717.856	726.076	721.365	717.723	708.174
30.0	645.969	656.255	662.040	668.902	672.736	685.943	692.922	690.314	686.911	676.812
32.5	618.846	629.093	634.208	641.202	642.440	652.958	661.571	657.045	656.458	645.182
35.0	593.117	604.102	609.360	614.579	615.053	626.159	631.337	628.892	626.054	620.206
37.5	568.435	579.347	585.728	590.565	590.586	600.390	605.470	603.086	602.420	595.409
40.0	543.541	554.822	562.082	567.259	567.598	577.720	581.949	580.682	579.410	572.885
42.5	518.511	529.675	538.432	544.091	545.888	555.431	560.234	559.583	558.419	550.307
45.0	491.010	504.003	512.431	520.954	523.227	533.595	539.339	538.602	537.529	526.700
47.5	462.130	475.998	485.772	496.639	499.860	511.797	517.843	517.659	514.692	502.960
50.0	432.273	446.269	457.396	472.122	475.101	489.124	496.116	495.411	491.752	477.785
52.5	401.947	415.186	428.621	443.902	449.429	466.416	471.494	472.817	465.536	451.257
55.0	366.505	383.245	392.900	415.215	410.897	431.768	445.936	433.065	437.123	414.938
57.5	329.004	335.199	355.945	357.238	365.172	395.264	383.060	389.740	372.902	370.041
60.0	261.106	278.325	275.967	296.773	284.799	299.609	310.429	297.365	306.198	278.384
62.5	182.702	210.308	190.475	211.926	188.021	206.150	223.918	196.856	213.743	192.521
65.0	131.139	137.040	135.972	126.844	127.397	142.717	134.420	136.172	128.984	131.480
67.5	86.936	94.967	85.021	91.531	81.237	85.287	92.250	80.325	89.918	80.646
70.0	62.443	63.286	61.129	59.140	54.803	58.723	57.381	55.907	56.732	55.610
72.5	41.924	43.826	40.307	39.094	33.714	37.253	38.185	34.792	36.712	36.393
75.0	29.701	28.696	26.519	25.803	22.774	22.713	24.064	22.172	23.940	22.350
77.5	21.241	20.933	18.667	18.190	15.622	16.719	16.273	15.039	15.700	16.320
80.0	14.706	13.806	13.056	12.466	10.951	11.952	11.752	10.225	10.528	11.186
82.5	8.468	8.564	8.206	7.786	6.404	7.425	7.557	6.343	6.609	6.829
85.0	4.707	4.214	4.411	4.180	3.315	4.077	3.956	3.715	3.579	3.515
87.5	1.375	2.199	1.572	1.650	1.454	1.821	1.406	1.582	1.161	1.138
90.0	0.303	0.273	0.376	0.221	0.391	0.516	0.382	0.442	0.238	0.316

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	836.551	836.551	836.551	836.551	836.551	836.551	836.551
2.5	835.579	835.126	834.956	835.614	834.710	834.370	833.460
5.0	833.669	832.076	832.043	831.293	829.808	829.397	828.526
7.5	828.687	826.857	825.926	824.968	823.299	821.583	819.835
10.0	821.389	818.798	818.894	815.871	812.853	811.808	809.784
12.5	812.210	808.193	807.756	804.824	800.412	799.067	797.685
15.0	801.796	796.289	795.665	791.461	785.833	784.576	783.944
17.5	788.962	783.381	780.941	776.185	770.311	768.011	768.051
20.0	774.754	767.217	765.736	758.951	750.532	750.389	749.154
22.5	755.740	748.901	745.925	737.906	729.188	727.843	726.818

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES

CANDELA TABULATION - (Cont.)

25.0	734.411	725.608	725.502	713.405	703.069	703.148	701.597
27.5	707.001	699.422	698.699	687.762	675.511	676.011	673.529
30.0	677.046	672.789	671.313	661.226	649.244	647.987	645.969
32.5	649.364	645.935	646.516	636.267	623.302	621.725	618.846
35.0	622.470	621.430	621.856	612.363	599.403	595.997	593.117
37.5	598.196	597.914	599.301	589.638	575.904	571.850	568.435
40.0	574.661	574.872	576.788	567.608	551.907	548.095	543.541
42.5	551.156	551.998	554.980	543.073	527.838	521.605	518.511
45.0	527.657	527.983	532.854	517.285	499.931	494.587	491.010
47.5	502.515	503.637	505.239	489.002	471.615	465.202	462.130
50.0	477.075	475.443	477.264	459.669	440.079	435.459	432.273
52.5	447.701	446.336	445.743	426.379	408.341	403.468	401.947
55.0	417.812	407.287	411.878	391.655	370.601	371.244	366.505
57.5	356.628	366.372	361.739	336.641	332.395	321.777	329.004
60.0	292.519	281.365	305.498	275.612	253.840	271.272	261.106
62.5	209.427	190.302	217.121	203.028	176.713	197.126	182.702
65.0	125.980	135.166	139.103	127.645	128.663	123.767	131.139
67.5	90.806	83.985	99.194	90.983	84.315	92.236	86.936
70.0	58.571	60.156	65.865	61.000	61.036	63.296	62.443
72.5	39.279	39.476	43.774	42.938	41.715	44.086	41.924
75.0	26.015	26.222	30.825	29.187	28.198	30.550	29.701
77.5	17.963	18.161	21.976	21.120	20.799	21.644	21.241
80.0	11.991	12.610	14.379	13.961	14.456	14.716	14.706
82.5	7.074	8.133	8.332	8.586	8.442	9.461	8.468
85.0	3.718	3.674	4.062	4.404	4.158	5.049	4.707
87.5	1.334	1.328	1.604	1.748	1.615	1.378	1.375
90.0	0.322	0.347	0.310	0.275	0.313	0.293	0.303

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	304.08	N.A.	15.50
0-30	637.77	N.A.	32.50
0-40	1023.84	N.A.	52.20
0-60	1778.45	N.A.	90.70
0-80	1955.98	N.A.	99.70
0-90	1961.37	N.A.	100.00
10-90	1882.35	N.A.	96.00
20-40	719.76	N.A.	36.70
20-50	1121.08	N.A.	57.20
40-70	900.44	N.A.	45.90
60-80	177.52	N.A.	9.10
70-80	31.70	N.A.	1.60
80-90	5.39	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	1961.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.02
10-20	225.06
20-30	333.69
30-40	386.07
40-50	401.32
50-60	353.29
60-70	145.82
70-80	31.70
80-90	5.39
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES

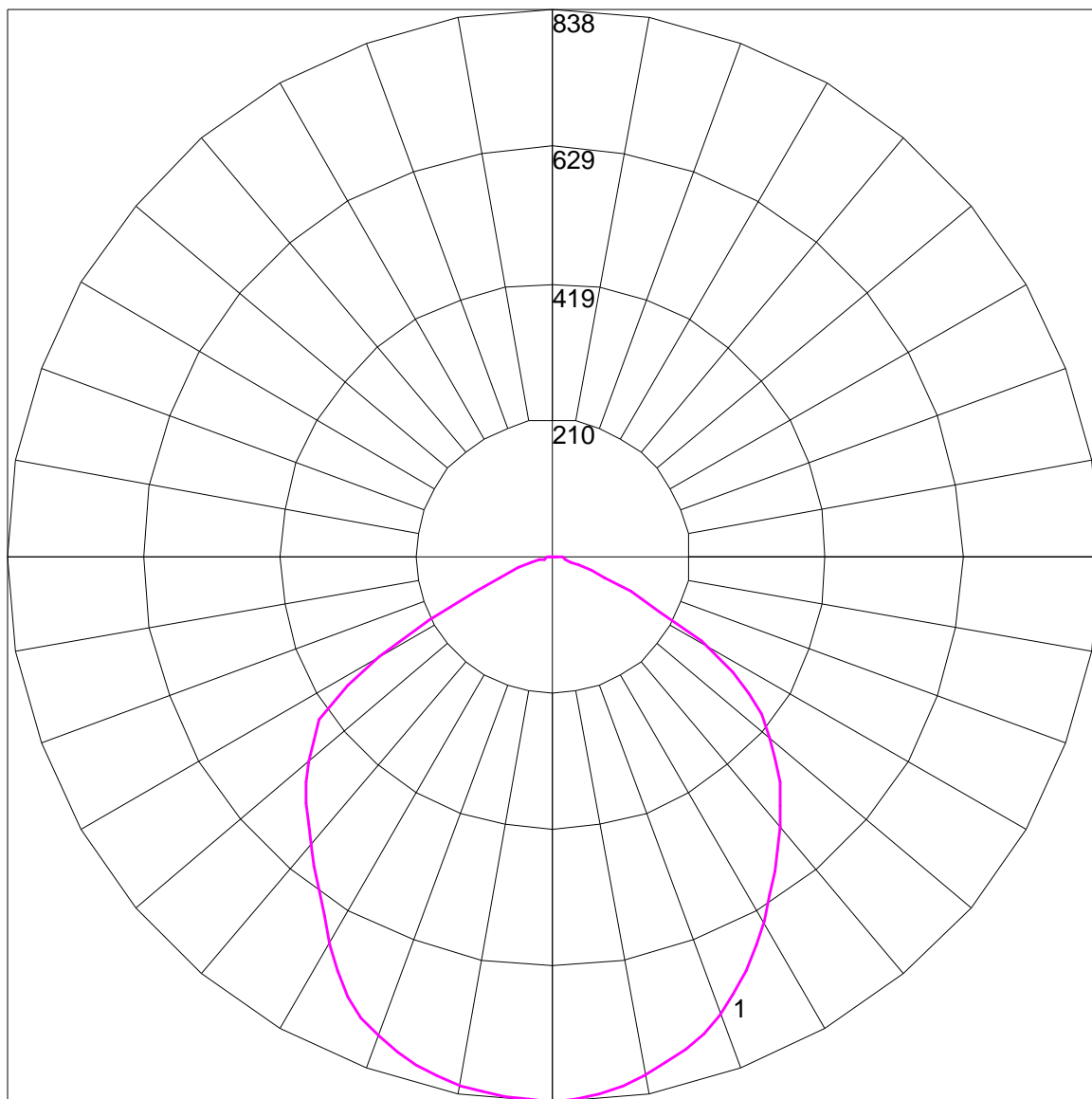
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	59	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00733 ~ ED2015GV-27L35KEX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 838.054 Located At Horizontal Angle = 112.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)