

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00699\_1 ~ TA0510GV-27L35K-EX-FJ1-MB.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00699\_1

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 7/18/2018

[UPDATE] 7/25/2018

[LUMCAT] TA0510GV-27L-35K-EX-FJ1-MB

[LUMINAIRE] Nom. 7.5" diam acrylic shade x 10" H decorative Tech Tier luminaire

[OTHER] 3" x 6.5" Frosted Glass Jar

[OTHER] Remote driver in canopy

[LAMP] N/A, Gen3

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] This report generated by Spectrum Lighting

[\_CCTMULT]27K x 0.971, 30K x 0.985, 40K x 1.03

[\_LAMPMULT]15L x 0.573

[\_CRI]85+

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1134
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.80
Spacing Criterion (90-270)	0.80
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.63 ft (Diameter)
Luminous Width (90-270)	0.63 ft (Diameter)
Luminous Height	0.33 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00699\_1 ~ TA0510GV-27L35K-EX-FJ1-MB.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4529	4529	4529
55	4557	4557	4557
65	4414	4414	4414
75	3891	3891	3891
85	4099	4099	4099

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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	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375
2.5	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375	379.375
5.0	378.436	378.436	378.436	378.436	378.436	378.436	378.436	378.436	378.436	378.436
7.5	363.694	363.694	363.694	363.694	363.694	363.694	363.694	363.694	363.694	363.694
10.0	347.817	347.817	347.817	347.817	347.817	347.817	347.817	347.817	347.817	347.817
12.5	324.157	324.157	324.157	324.157	324.157	324.157	324.157	324.157	324.157	324.157
15.0	299.828	299.828	299.828	299.828	299.828	299.828	299.828	299.828	299.828	299.828
17.5	272.657	272.657	272.657	272.657	272.657	272.657	272.657	272.657	272.657	272.657
20.0	247.423	247.423	247.423	247.423	247.423	247.423	247.423	247.423	247.423	247.423
22.5	227.881	227.881	227.881	227.881	227.881	227.881	227.881	227.881	227.881	227.881
25.0	209.894	209.894	209.894	209.894	209.894	209.894	209.894	209.894	209.894	209.894
27.5	195.236	195.236	195.236	195.236	195.236	195.236	195.236	195.236	195.236	195.236
30.0	183.779	183.779	183.779	183.779	183.779	183.779	183.779	183.779	183.779	183.779
32.5	177.507	177.507	177.507	177.507	177.507	177.507	177.507	177.507	177.507	177.507
35.0	172.014	172.014	172.014	172.014	172.014	172.014	172.014	172.014	172.014	172.014
37.5	167.492	167.492	167.492	167.492	167.492	167.492	167.492	167.492	167.492	167.492
40.0	163.386	163.386	163.386	163.386	163.386	163.386	163.386	163.386	163.386	163.386
42.5	159.680	159.680	159.680	159.680	159.680	159.680	159.680	159.680	159.680	159.680
45.0	154.745	154.745	154.745	154.745	154.745	154.745	154.745	154.745	154.745	154.745
47.5	148.892	148.892	148.892	148.892	148.892	148.892	148.892	148.892	148.892	148.892
50.0	145.881	145.881	145.881	145.881	145.881	145.881	145.881	145.881	145.881	145.881
52.5	144.497	144.497	144.497	144.497	144.497	144.497	144.497	144.497	144.497	144.497
55.0	147.938	147.938	147.938	147.938	147.938	147.938	147.938	147.938	147.938	147.938
57.5	153.447	153.447	153.447	153.447	153.447	153.447	153.447	153.447	153.447	153.447
60.0	149.518	149.518	149.518	149.518	149.518	149.518	149.518	149.518	149.518	149.518
62.5	142.662	142.662	142.662	142.662	142.662	142.662	142.662	142.662	142.662	142.662
65.0	131.405	131.405	131.405	131.405	131.405	131.405	131.405	131.405	131.405	131.405
67.5	119.228	119.228	119.228	119.228	119.228	119.228	119.228	119.228	119.228	119.228
70.0	110.660	110.660	110.660	110.660	110.660	110.660	110.660	110.660	110.660	110.660
72.5	102.534	102.534	102.534	102.534	102.534	102.534	102.534	102.534	102.534	102.534
75.0	101.849	101.849	101.849	101.849	101.849	101.849	101.849	101.849	101.849	101.849
77.5	101.469	101.469	101.469	101.469	101.469	101.469	101.469	101.469	101.469	101.469
80.0	97.970	97.970	97.970	97.970	97.970	97.970	97.970	97.970	97.970	97.970
82.5	94.344	94.344	94.344	94.344	94.344	94.344	94.344	94.344	94.344	94.344
85.0	89.290	89.290	89.290	89.290	89.290	89.290	89.290	89.290	89.290	89.290
87.5	84.441	84.441	84.441	84.441	84.441	84.441	84.441	84.441	84.441	84.441
90.0	80.804	80.804	80.804	80.804	80.804	80.804	80.804	80.804	80.804	80.804
92.5	77.585	77.585	77.585	77.585	77.585	77.585	77.585	77.585	77.585	77.585
95.0	75.951	75.951	75.951	75.951	75.951	75.951	75.951	75.951	75.951	75.951
97.5	74.394	74.394	74.394	74.394	74.394	74.394	74.394	74.394	74.394	74.394
100.0	73.043	73.043	73.043	73.043	73.043	73.043	73.043	73.043	73.043	73.043
102.5	70.747	70.747	70.747	70.747	70.747	70.747	70.747	70.747	70.747	70.747
105.0	66.582	66.582	66.582	66.582	66.582	66.582	66.582	66.582	66.582	66.582
107.5	61.695	61.695	61.695	61.695	61.695	61.695	61.695	61.695	61.695	61.695
110.0	55.722	55.722	55.722	55.722	55.722	55.722	55.722	55.722	55.722	55.722
112.5	48.934	48.934	48.934	48.934	48.934	48.934	48.934	48.934	48.934	48.934
115.0	41.202	41.202	41.202	41.202	41.202	41.202	41.202	41.202	41.202	41.202
117.5	35.260	35.260	35.260	35.260	35.260	35.260	35.260	35.260	35.260	35.260
120.0	30.928	30.928	30.928	30.928	30.928	30.928	30.928	30.928	30.928	30.928
122.5	26.745	26.745	26.745	26.745	26.745	26.745	26.745	26.745	26.745	26.745
125.0	22.665	22.665	22.665	22.665	22.665	22.665	22.665	22.665	22.665	22.665

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**CANDELA TABULATION - (Cont.)**

127.5	18.520	18.520	18.520	18.520	18.520	18.520	18.520	18.520	18.520	18.520
130.0	14.341	14.341	14.341	14.341	14.341	14.341	14.341	14.341	14.341	14.341
132.5	9.998	9.998	9.998	9.998	9.998	9.998	9.998	9.998	9.998	9.998
135.0	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589	5.589
137.5	3.433	3.433	3.433	3.433	3.433	3.433	3.433	3.433	3.433	3.433
140.0	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910
142.5	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411	1.411
145.0	1.102	1.102	1.102	1.102	1.102	1.102	1.102	1.102	1.102	1.102
147.5	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048	1.048
150.0	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019
152.5	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977	0.977
155.0	0.942	0.942	0.942	0.942	0.942	0.942	0.942	0.942	0.942	0.942
157.5	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027	1.027
160.0	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112	1.112
162.5	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107
165.0	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007	1.007
167.5	0.927	0.927	0.927	0.927	0.927	0.927	0.927	0.927	0.927	0.927
170.0	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952	0.952
172.5	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070	1.070
175.0	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994	0.994
177.5	0.964	0.964	0.964	0.964	0.964	0.964	0.964	0.964	0.964	0.964
180.0	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948	0.948

**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	379.375	379.375	379.375	379.375	379.375	379.375	379.375
2.5	379.375	379.375	379.375	379.375	379.375	379.375	379.375
5.0	378.436	378.436	378.436	378.436	378.436	378.436	378.436
7.5	363.694	363.694	363.694	363.694	363.694	363.694	363.694
10.0	347.817	347.817	347.817	347.817	347.817	347.817	347.817
12.5	324.157	324.157	324.157	324.157	324.157	324.157	324.157
15.0	299.828	299.828	299.828	299.828	299.828	299.828	299.828
17.5	272.657	272.657	272.657	272.657	272.657	272.657	272.657
20.0	247.423	247.423	247.423	247.423	247.423	247.423	247.423
22.5	227.881	227.881	227.881	227.881	227.881	227.881	227.881
25.0	209.894	209.894	209.894	209.894	209.894	209.894	209.894
27.5	195.236	195.236	195.236	195.236	195.236	195.236	195.236
30.0	183.779	183.779	183.779	183.779	183.779	183.779	183.779
32.5	177.507	177.507	177.507	177.507	177.507	177.507	177.507
35.0	172.014	172.014	172.014	172.014	172.014	172.014	172.014
37.5	167.492	167.492	167.492	167.492	167.492	167.492	167.492
40.0	163.386	163.386	163.386	163.386	163.386	163.386	163.386
42.5	159.680	159.680	159.680	159.680	159.680	159.680	159.680
45.0	154.745	154.745	154.745	154.745	154.745	154.745	154.745
47.5	148.892	148.892	148.892	148.892	148.892	148.892	148.892
50.0	145.881	145.881	145.881	145.881	145.881	145.881	145.881
52.5	144.497	144.497	144.497	144.497	144.497	144.497	144.497
55.0	147.938	147.938	147.938	147.938	147.938	147.938	147.938
57.5	153.447	153.447	153.447	153.447	153.447	153.447	153.447
60.0	149.518	149.518	149.518	149.518	149.518	149.518	149.518
62.5	142.662	142.662	142.662	142.662	142.662	142.662	142.662
65.0	131.405	131.405	131.405	131.405	131.405	131.405	131.405

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**CANDELA TABULATION - (Cont.)**

67.5	119.228	119.228	119.228	119.228	119.228	119.228	119.228
70.0	110.660	110.660	110.660	110.660	110.660	110.660	110.660
72.5	102.534	102.534	102.534	102.534	102.534	102.534	102.534
75.0	101.849	101.849	101.849	101.849	101.849	101.849	101.849
77.5	101.469	101.469	101.469	101.469	101.469	101.469	101.469
80.0	97.970	97.970	97.970	97.970	97.970	97.970	97.970
82.5	94.344	94.344	94.344	94.344	94.344	94.344	94.344
85.0	89.290	89.290	89.290	89.290	89.290	89.290	89.290
87.5	84.441	84.441	84.441	84.441	84.441	84.441	84.441
90.0	80.804	80.804	80.804	80.804	80.804	80.804	80.804
92.5	77.585	77.585	77.585	77.585	77.585	77.585	77.585
95.0	75.951	75.951	75.951	75.951	75.951	75.951	75.951
97.5	74.394	74.394	74.394	74.394	74.394	74.394	74.394
100.0	73.043	73.043	73.043	73.043	73.043	73.043	73.043
102.5	70.747	70.747	70.747	70.747	70.747	70.747	70.747
105.0	66.582	66.582	66.582	66.582	66.582	66.582	66.582
107.5	61.695	61.695	61.695	61.695	61.695	61.695	61.695
110.0	55.722	55.722	55.722	55.722	55.722	55.722	55.722
112.5	48.934	48.934	48.934	48.934	48.934	48.934	48.934
115.0	41.202	41.202	41.202	41.202	41.202	41.202	41.202
117.5	35.260	35.260	35.260	35.260	35.260	35.260	35.260
120.0	30.928	30.928	30.928	30.928	30.928	30.928	30.928
122.5	26.745	26.745	26.745	26.745	26.745	26.745	26.745
125.0	22.665	22.665	22.665	22.665	22.665	22.665	22.665
127.5	18.520	18.520	18.520	18.520	18.520	18.520	18.520
130.0	14.341	14.341	14.341	14.341	14.341	14.341	14.341
132.5	9.998	9.998	9.998	9.998	9.998	9.998	9.998
135.0	5.589	5.589	5.589	5.589	5.589	5.589	5.589
137.5	3.433	3.433	3.433	3.433	3.433	3.433	3.433
140.0	1.910	1.910	1.910	1.910	1.910	1.910	1.910
142.5	1.411	1.411	1.411	1.411	1.411	1.411	1.411
145.0	1.102	1.102	1.102	1.102	1.102	1.102	1.102
147.5	1.048	1.048	1.048	1.048	1.048	1.048	1.048
150.0	1.019	1.019	1.019	1.019	1.019	1.019	1.019
152.5	0.977	0.977	0.977	0.977	0.977	0.977	0.977
155.0	0.942	0.942	0.942	0.942	0.942	0.942	0.942
157.5	1.027	1.027	1.027	1.027	1.027	1.027	1.027
160.0	1.112	1.112	1.112	1.112	1.112	1.112	1.112
162.5	1.107	1.107	1.107	1.107	1.107	1.107	1.107
165.0	1.007	1.007	1.007	1.007	1.007	1.007	1.007
167.5	0.927	0.927	0.927	0.927	0.927	0.927	0.927
170.0	0.952	0.952	0.952	0.952	0.952	0.952	0.952
172.5	1.070	1.070	1.070	1.070	1.070	1.070	1.070
175.0	0.994	0.994	0.994	0.994	0.994	0.994	0.994
177.5	0.964	0.964	0.964	0.964	0.964	0.964	0.964
180.0	0.948	0.948	0.948	0.948	0.948	0.948	0.948

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Zone	Lumens	%Lamp	%Fixt
0-20	118.14	N.A.	10.40
0-30	215.47	N.A.	19.00
0-40	323.68	N.A.	28.50
0-60	576.33	N.A.	50.80
0-80	814.39	N.A.	71.80
0-90	911.87	N.A.	80.40
10-90	876.90	N.A.	77.30
20-40	205.54	N.A.	18.10
20-50	324.98	N.A.	28.70
40-70	382.27	N.A.	33.70
60-80	238.06	N.A.	21.00
70-80	108.45	N.A.	9.60
80-90	97.48	N.A.	8.60
90-110	152.90	N.A.	13.50
90-120	194.93	N.A.	17.20
90-130	215.38	N.A.	19.00
90-150	221.57	N.A.	19.50
90-180	222.42	N.A.	19.60
110-180	69.53	N.A.	6.10
0-180	1134.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	34.97
10-20	83.17
20-30	97.33
30-40	108.21
40-50	119.44
50-60	133.21
60-70	129.61
70-80	108.45
80-90	97.48
90-100	83.16
100-110	69.73
110-120	42.03
120-130	20.45
130-140	5.39
140-150	0.80
150-160	0.46
160-170	0.29
170-180	0.10

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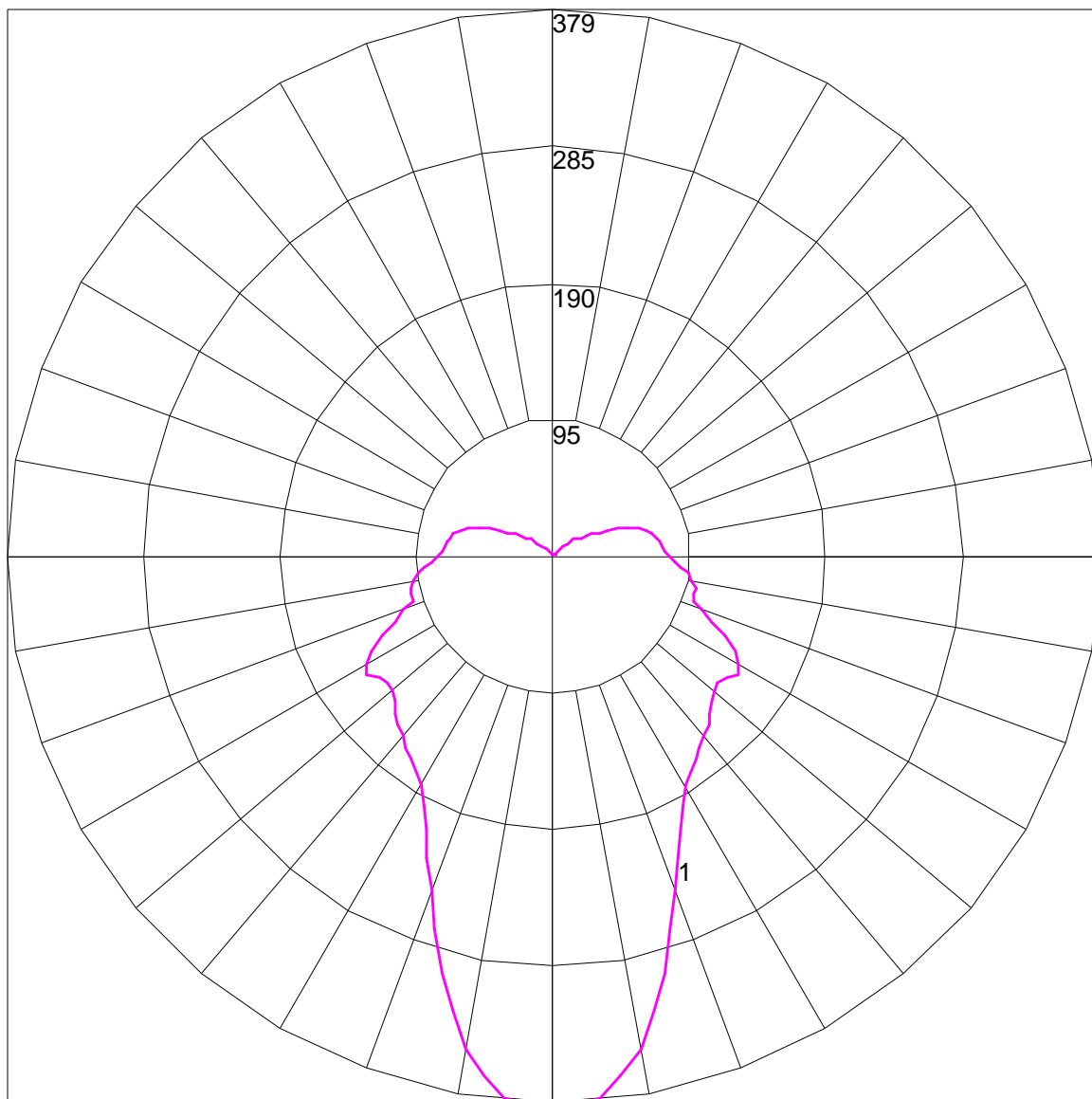
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	109	109	109	109	100	100	100	92	92	92	84	84	84	80
1	101	95	89	84	96	91	86	81	83	79	75	75	72	69	69	66	64	60
2	91	81	73	67	86	77	70	64	71	65	60	64	60	55	59	55	51	48
3	82	71	61	54	78	67	59	53	62	55	49	56	50	46	51	46	43	39
4	75	62	53	45	71	59	51	44	54	47	41	50	44	39	45	40	36	33
5	69	55	46	39	65	53	44	38	49	41	36	45	38	33	41	36	31	29
6	64	50	40	34	60	48	39	33	44	37	31	40	34	29	37	32	27	25
7	59	45	36	30	56	43	35	29	40	33	28	37	31	26	34	29	24	22
8	55	41	33	27	52	40	32	26	37	30	25	34	28	23	31	26	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	16

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00699\_1 ~ TA0510GV-27L35K-EX-FJ1-MB.IES

POLAR GRAPH



Maximum Candela = 379.375 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)