

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00699\_1 ~ TA0510GV-15L35K-EX-FJ1-MB.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00699\_1\_M-15L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 7/18/2018

[UPDATE] 7/25/2018

[LUMCAT] TA0510GV-15L-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, scaled from 27L

[\_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	650
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	10
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-15L35K-EX-FJ1-MB.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2595	2595	2595
55	2611	2611	2611
65	2529	2529	2529
75	2229	2229	2229
85	2348	2348	2348

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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	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382
2.5	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382	217.382
5.0	216.844	216.844	216.844	216.844	216.844	216.844	216.844	216.844	216.844	216.844
7.5	208.397	208.397	208.397	208.397	208.397	208.397	208.397	208.397	208.397	208.397
10.0	199.299	199.299	199.299	199.299	199.299	199.299	199.299	199.299	199.299	199.299
12.5	185.742	185.742	185.742	185.742	185.742	185.742	185.742	185.742	185.742	185.742
15.0	171.801	171.801	171.801	171.801	171.801	171.801	171.801	171.801	171.801	171.801
17.5	156.232	156.232	156.232	156.232	156.232	156.232	156.232	156.232	156.232	156.232
20.0	141.773	141.773	141.773	141.773	141.773	141.773	141.773	141.773	141.773	141.773
22.5	130.576	130.576	130.576	130.576	130.576	130.576	130.576	130.576	130.576	130.576
25.0	120.269	120.269	120.269	120.269	120.269	120.269	120.269	120.269	120.269	120.269
27.5	111.870	111.870	111.870	111.870	111.870	111.870	111.870	111.870	111.870	111.870
30.0	105.305	105.305	105.305	105.305	105.305	105.305	105.305	105.305	105.305	105.305
32.5	101.712	101.712	101.712	101.712	101.712	101.712	101.712	101.712	101.712	101.712
35.0	98.564	98.564	98.564	98.564	98.564	98.564	98.564	98.564	98.564	98.564
37.5	95.973	95.973	95.973	95.973	95.973	95.973	95.973	95.973	95.973	95.973
40.0	93.620	93.620	93.620	93.620	93.620	93.620	93.620	93.620	93.620	93.620
42.5	91.497	91.497	91.497	91.497	91.497	91.497	91.497	91.497	91.497	91.497
45.0	88.669	88.669	88.669	88.669	88.669	88.669	88.669	88.669	88.669	88.669
47.5	85.315	85.315	85.315	85.315	85.315	85.315	85.315	85.315	85.315	85.315
50.0	83.590	83.590	83.590	83.590	83.590	83.590	83.590	83.590	83.590	83.590
52.5	82.797	82.797	82.797	82.797	82.797	82.797	82.797	82.797	82.797	82.797
55.0	84.768	84.768	84.768	84.768	84.768	84.768	84.768	84.768	84.768	84.768
57.5	87.925	87.925	87.925	87.925	87.925	87.925	87.925	87.925	87.925	87.925
60.0	85.674	85.674	85.674	85.674	85.674	85.674	85.674	85.674	85.674	85.674
62.5	81.745	81.745	81.745	81.745	81.745	81.745	81.745	81.745	81.745	81.745
65.0	75.295	75.295	75.295	75.295	75.295	75.295	75.295	75.295	75.295	75.295
67.5	68.318	68.318	68.318	68.318	68.318	68.318	68.318	68.318	68.318	68.318
70.0	63.408	63.408	63.408	63.408	63.408	63.408	63.408	63.408	63.408	63.408
72.5	58.752	58.752	58.752	58.752	58.752	58.752	58.752	58.752	58.752	58.752
75.0	58.359	58.359	58.359	58.359	58.359	58.359	58.359	58.359	58.359	58.359
77.5	58.142	58.142	58.142	58.142	58.142	58.142	58.142	58.142	58.142	58.142
80.0	56.137	56.137	56.137	56.137	56.137	56.137	56.137	56.137	56.137	56.137
82.5	54.059	54.059	54.059	54.059	54.059	54.059	54.059	54.059	54.059	54.059
85.0	51.163	51.163	51.163	51.163	51.163	51.163	51.163	51.163	51.163	51.163
87.5	48.385	48.385	48.385	48.385	48.385	48.385	48.385	48.385	48.385	48.385
90.0	46.301	46.301	46.301	46.301	46.301	46.301	46.301	46.301	46.301	46.301
92.5	44.456	44.456	44.456	44.456	44.456	44.456	44.456	44.456	44.456	44.456
95.0	43.520	43.520	43.520	43.520	43.520	43.520	43.520	43.520	43.520	43.520
97.5	42.628	42.628	42.628	42.628	42.628	42.628	42.628	42.628	42.628	42.628
100.0	41.854	41.854	41.854	41.854	41.854	41.854	41.854	41.854	41.854	41.854
102.5	40.538	40.538	40.538	40.538	40.538	40.538	40.538	40.538	40.538	40.538
105.0	38.151	38.151	38.151	38.151	38.151	38.151	38.151	38.151	38.151	38.151
107.5	35.351	35.351	35.351	35.351	35.351	35.351	35.351	35.351	35.351	35.351
110.0	31.929	31.929	31.929	31.929	31.929	31.929	31.929	31.929	31.929	31.929
112.5	28.039	28.039	28.039	28.039	28.039	28.039	28.039	28.039	28.039	28.039
115.0	23.609	23.609	23.609	23.609	23.609	23.609	23.609	23.609	23.609	23.609
117.5	20.204	20.204	20.204	20.204	20.204	20.204	20.204	20.204	20.204	20.204
120.0	17.722	17.722	17.722	17.722	17.722	17.722	17.722	17.722	17.722	17.722
122.5	15.325	15.325	15.325	15.325	15.325	15.325	15.325	15.325	15.325	15.325
125.0	12.987	12.987	12.987	12.987	12.987	12.987	12.987	12.987	12.987	12.987

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**CANDELA TABULATION - (Cont.)**

127.5	10.612	10.612	10.612	10.612	10.612	10.612	10.612	10.612	10.612	10.612
130.0	8.217	8.217	8.217	8.217	8.217	8.217	8.217	8.217	8.217	8.217
132.5	5.729	5.729	5.729	5.729	5.729	5.729	5.729	5.729	5.729	5.729
135.0	3.202	3.202	3.202	3.202	3.202	3.202	3.202	3.202	3.202	3.202
137.5	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967	1.967
140.0	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094
142.5	0.809	0.809	0.809	0.809	0.809	0.809	0.809	0.809	0.809	0.809
145.0	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631	0.631
147.5	0.601	0.601	0.601	0.601	0.601	0.601	0.601	0.601	0.601	0.601
150.0	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584
152.5	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560
155.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540	0.540
157.5	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588	0.588
160.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
162.5	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634
165.0	0.577	0.577	0.577	0.577	0.577	0.577	0.577	0.577	0.577	0.577
167.5	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531	0.531
170.0	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545	0.545
172.5	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613	0.613
175.0	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570
177.5	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552	0.552
180.0	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543	0.543

**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	217.382	217.382	217.382	217.382	217.382	217.382	217.382
2.5	217.382	217.382	217.382	217.382	217.382	217.382	217.382
5.0	216.844	216.844	216.844	216.844	216.844	216.844	216.844
7.5	208.397	208.397	208.397	208.397	208.397	208.397	208.397
10.0	199.299	199.299	199.299	199.299	199.299	199.299	199.299
12.5	185.742	185.742	185.742	185.742	185.742	185.742	185.742
15.0	171.801	171.801	171.801	171.801	171.801	171.801	171.801
17.5	156.232	156.232	156.232	156.232	156.232	156.232	156.232
20.0	141.773	141.773	141.773	141.773	141.773	141.773	141.773
22.5	130.576	130.576	130.576	130.576	130.576	130.576	130.576
25.0	120.269	120.269	120.269	120.269	120.269	120.269	120.269
27.5	111.870	111.870	111.870	111.870	111.870	111.870	111.870
30.0	105.305	105.305	105.305	105.305	105.305	105.305	105.305
32.5	101.712	101.712	101.712	101.712	101.712	101.712	101.712
35.0	98.564	98.564	98.564	98.564	98.564	98.564	98.564
37.5	95.973	95.973	95.973	95.973	95.973	95.973	95.973
40.0	93.620	93.620	93.620	93.620	93.620	93.620	93.620
42.5	91.497	91.497	91.497	91.497	91.497	91.497	91.497
45.0	88.669	88.669	88.669	88.669	88.669	88.669	88.669
47.5	85.315	85.315	85.315	85.315	85.315	85.315	85.315
50.0	83.590	83.590	83.590	83.590	83.590	83.590	83.590
52.5	82.797	82.797	82.797	82.797	82.797	82.797	82.797
55.0	84.768	84.768	84.768	84.768	84.768	84.768	84.768
57.5	87.925	87.925	87.925	87.925	87.925	87.925	87.925
60.0	85.674	85.674	85.674	85.674	85.674	85.674	85.674
62.5	81.745	81.745	81.745	81.745	81.745	81.745	81.745
65.0	75.295	75.295	75.295	75.295	75.295	75.295	75.295

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**CANDELA TABULATION - (Cont.)**

67.5	68.318	68.318	68.318	68.318	68.318	68.318	68.318
70.0	63.408	63.408	63.408	63.408	63.408	63.408	63.408
72.5	58.752	58.752	58.752	58.752	58.752	58.752	58.752
75.0	58.359	58.359	58.359	58.359	58.359	58.359	58.359
77.5	58.142	58.142	58.142	58.142	58.142	58.142	58.142
80.0	56.137	56.137	56.137	56.137	56.137	56.137	56.137
82.5	54.059	54.059	54.059	54.059	54.059	54.059	54.059
85.0	51.163	51.163	51.163	51.163	51.163	51.163	51.163
87.5	48.385	48.385	48.385	48.385	48.385	48.385	48.385
90.0	46.301	46.301	46.301	46.301	46.301	46.301	46.301
92.5	44.456	44.456	44.456	44.456	44.456	44.456	44.456
95.0	43.520	43.520	43.520	43.520	43.520	43.520	43.520
97.5	42.628	42.628	42.628	42.628	42.628	42.628	42.628
100.0	41.854	41.854	41.854	41.854	41.854	41.854	41.854
102.5	40.538	40.538	40.538	40.538	40.538	40.538	40.538
105.0	38.151	38.151	38.151	38.151	38.151	38.151	38.151
107.5	35.351	35.351	35.351	35.351	35.351	35.351	35.351
110.0	31.929	31.929	31.929	31.929	31.929	31.929	31.929
112.5	28.039	28.039	28.039	28.039	28.039	28.039	28.039
115.0	23.609	23.609	23.609	23.609	23.609	23.609	23.609
117.5	20.204	20.204	20.204	20.204	20.204	20.204	20.204
120.0	17.722	17.722	17.722	17.722	17.722	17.722	17.722
122.5	15.325	15.325	15.325	15.325	15.325	15.325	15.325
125.0	12.987	12.987	12.987	12.987	12.987	12.987	12.987
127.5	10.612	10.612	10.612	10.612	10.612	10.612	10.612
130.0	8.217	8.217	8.217	8.217	8.217	8.217	8.217
132.5	5.729	5.729	5.729	5.729	5.729	5.729	5.729
135.0	3.202	3.202	3.202	3.202	3.202	3.202	3.202
137.5	1.967	1.967	1.967	1.967	1.967	1.967	1.967
140.0	1.094	1.094	1.094	1.094	1.094	1.094	1.094
142.5	0.809	0.809	0.809	0.809	0.809	0.809	0.809
145.0	0.631	0.631	0.631	0.631	0.631	0.631	0.631
147.5	0.601	0.601	0.601	0.601	0.601	0.601	0.601
150.0	0.584	0.584	0.584	0.584	0.584	0.584	0.584
152.5	0.560	0.560	0.560	0.560	0.560	0.560	0.560
155.0	0.540	0.540	0.540	0.540	0.540	0.540	0.540
157.5	0.588	0.588	0.588	0.588	0.588	0.588	0.588
160.0	0.637	0.637	0.637	0.637	0.637	0.637	0.637
162.5	0.634	0.634	0.634	0.634	0.634	0.634	0.634
165.0	0.577	0.577	0.577	0.577	0.577	0.577	0.577
167.5	0.531	0.531	0.531	0.531	0.531	0.531	0.531
170.0	0.545	0.545	0.545	0.545	0.545	0.545	0.545
172.5	0.613	0.613	0.613	0.613	0.613	0.613	0.613
175.0	0.570	0.570	0.570	0.570	0.570	0.570	0.570
177.5	0.552	0.552	0.552	0.552	0.552	0.552	0.552
180.0	0.543	0.543	0.543	0.543	0.543	0.543	0.543

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Zone	Lumens	%Lamp	%Fixt
0-20	67.70	N.A.	10.40
0-30	123.46	N.A.	19.00
0-40	185.47	N.A.	28.50
0-60	330.24	N.A.	50.80
0-80	466.65	N.A.	71.80
0-90	522.50	N.A.	80.40
10-90	502.46	N.A.	77.30
20-40	117.77	N.A.	18.10
20-50	186.21	N.A.	28.60
40-70	219.04	N.A.	33.70
60-80	136.41	N.A.	21.00
70-80	62.14	N.A.	9.60
80-90	55.86	N.A.	8.60
90-110	87.61	N.A.	13.50
90-120	111.69	N.A.	17.20
90-130	123.41	N.A.	19.00
90-150	126.96	N.A.	19.50
90-180	127.45	N.A.	19.60
110-180	39.84	N.A.	6.10
0-180	649.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	20.04
10-20	47.66
20-30	55.77
30-40	62.00
40-50	68.44
50-60	76.33
60-70	74.27
70-80	62.14
80-90	55.86
90-100	47.65
100-110	39.96
110-120	24.08
120-130	11.72
130-140	3.09
140-150	0.46
150-160	0.27
160-170	0.17
170-180	0.06

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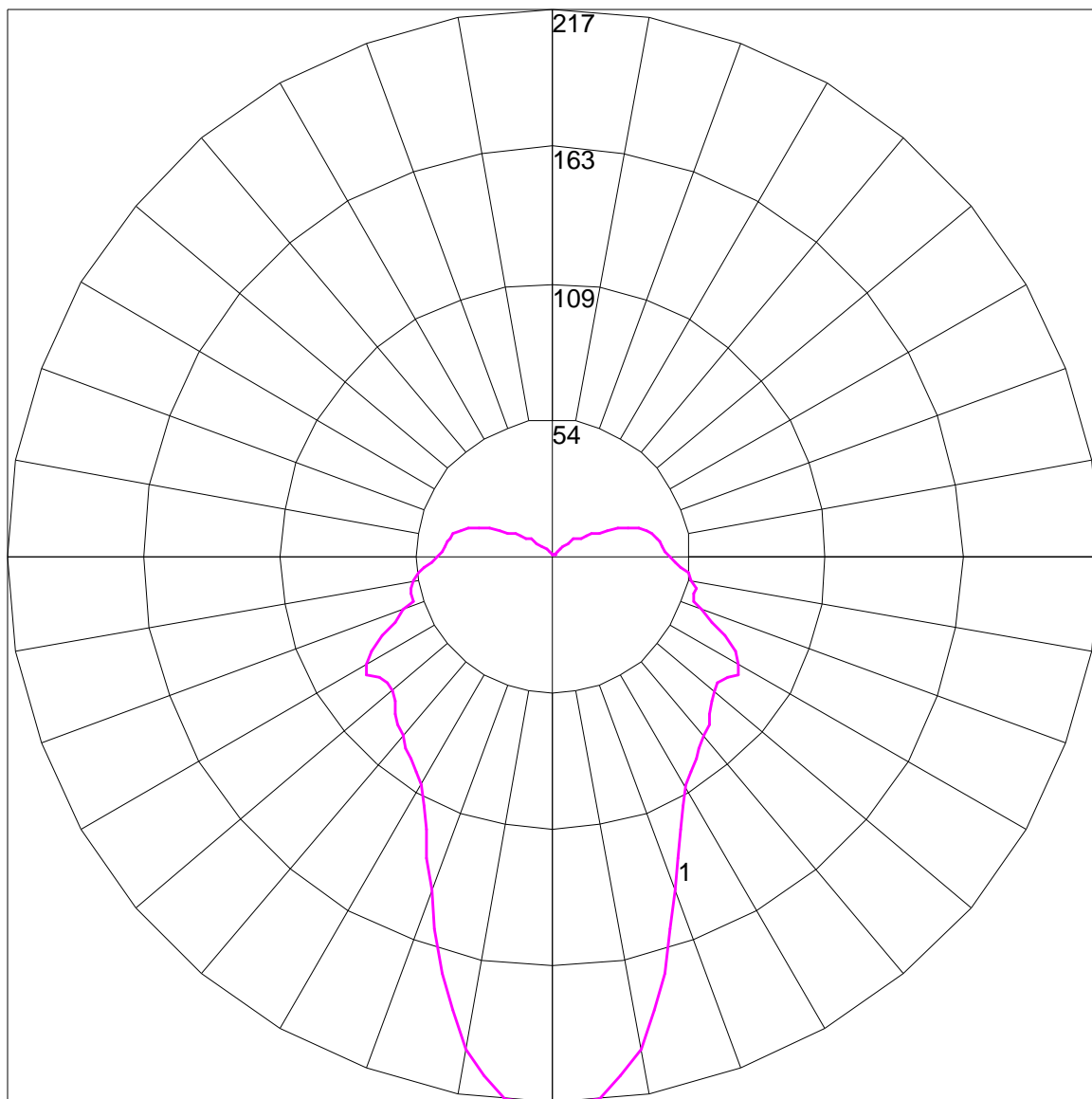
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	68	66	64	60
2	91	81	73	66	86	77	70	64	71	65	60	64	60	55	59	55	51	48
3	82	70	61	54	78	67	59	52	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	35	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	27	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-15L35K-EX-FJ1-MB.IES

POLAR GRAPH



Maximum Candela = 217.382 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)