

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00700_1 ~ TA1010GV-27L35K-EX-FJ1-MB.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00700_1
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 7/18/2018
 [UPDATE] 7/20/2018
 [LUMCAT] TA1010GV-27L-35K-EX-FJ1-MB
 [LUMINAIRE] Nom. 10" 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	1143
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)	1.06
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.86 ft (Diameter)
Luminous Width (90-270)	0.86 ft (Diameter)
Luminous Height	0.33 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00700_1 ~ TA1010GV-27L35K-EX-FJ1-MB.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3016	3016	3016
55	2570	2570	2570
65	2216	2216	2216
75	2527	2527	2527
85	2869	2869	2869

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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	387.234	387.234	387.234	387.234	387.234	387.234	387.234	387.234	387.234	387.234
2.5	387.004	387.004	387.004	387.004	387.004	387.004	387.004	387.004	387.004	387.004
5.0	377.678	377.678	377.678	377.678	377.678	377.678	377.678	377.678	377.678	377.678
7.5	367.785	367.785	367.785	367.785	367.785	367.785	367.785	367.785	367.785	367.785
10.0	350.720	350.720	350.720	350.720	350.720	350.720	350.720	350.720	350.720	350.720
12.5	332.522	332.522	332.522	332.522	332.522	332.522	332.522	332.522	332.522	332.522
15.0	306.174	306.174	306.174	306.174	306.174	306.174	306.174	306.174	306.174	306.174
17.5	280.391	280.391	280.391	280.391	280.391	280.391	280.391	280.391	280.391	280.391
20.0	257.337	257.337	257.337	257.337	257.337	257.337	257.337	257.337	257.337	257.337
22.5	235.661	235.661	235.661	235.661	235.661	235.661	235.661	235.661	235.661	235.661
25.0	218.861	218.861	218.861	218.861	218.861	218.861	218.861	218.861	218.861	218.861
27.5	204.256	204.256	204.256	204.256	204.256	204.256	204.256	204.256	204.256	204.256
30.0	195.630	195.630	195.630	195.630	195.630	195.630	195.630	195.630	195.630	195.630
32.5	189.023	189.023	189.023	189.023	189.023	189.023	189.023	189.023	189.023	189.023
35.0	186.766	186.766	186.766	186.766	186.766	186.766	186.766	186.766	186.766	186.766
37.5	184.242	184.242	184.242	184.242	184.242	184.242	184.242	184.242	184.242	184.242
40.0	181.259	181.259	181.259	181.259	181.259	181.259	181.259	181.259	181.259	181.259
42.5	177.301	177.301	177.301	177.301	177.301	177.301	177.301	177.301	177.301	177.301
45.0	171.971	171.971	171.971	171.971	171.971	171.971	171.971	171.971	171.971	171.971
47.5	164.572	164.572	164.572	164.572	164.572	164.572	164.572	164.572	164.572	164.572
50.0	154.782	154.782	154.782	154.782	154.782	154.782	154.782	154.782	154.782	154.782
52.5	145.161	145.161	145.161	145.161	145.161	145.161	145.161	145.161	145.161	145.161
55.0	135.702	135.702	135.702	135.702	135.702	135.702	135.702	135.702	135.702	135.702
57.5	126.816	126.816	126.816	126.816	126.816	126.816	126.816	126.816	126.816	126.816
60.0	118.378	118.378	118.378	118.378	118.378	118.378	118.378	118.378	118.378	118.378
62.5	110.909	110.909	110.909	110.909	110.909	110.909	110.909	110.909	110.909	110.909
65.0	104.057	104.057	104.057	104.057	104.057	104.057	104.057	104.057	104.057	104.057
67.5	100.608	100.608	100.608	100.608	100.608	100.608	100.608	100.608	100.608	100.608
70.0	98.920	98.920	98.920	98.920	98.920	98.920	98.920	98.920	98.920	98.920
72.5	99.220	99.220	99.220	99.220	99.220	99.220	99.220	99.220	99.220	99.220
75.0	100.338	100.338	100.338	100.338	100.338	100.338	100.338	100.338	100.338	100.338
77.5	99.644	99.644	99.644	99.644	99.644	99.644	99.644	99.644	99.644	99.644
80.0	98.369	98.369	98.369	98.369	98.369	98.369	98.369	98.369	98.369	98.369
82.5	94.329	94.329	94.329	94.329	94.329	94.329	94.329	94.329	94.329	94.329
85.0	89.622	89.622	89.622	89.622	89.622	89.622	89.622	89.622	89.622	89.622
87.5	84.548	84.548	84.548	84.548	84.548	84.548	84.548	84.548	84.548	84.548
90.0	79.411	79.411	79.411	79.411	79.411	79.411	79.411	79.411	79.411	79.411
92.5	78.234	78.234	78.234	78.234	78.234	78.234	78.234	78.234	78.234	78.234
95.0	77.477	77.477	77.477	77.477	77.477	77.477	77.477	77.477	77.477	77.477
97.5	76.896	76.896	76.896	76.896	76.896	76.896	76.896	76.896	76.896	76.896
100.0	76.320	76.320	76.320	76.320	76.320	76.320	76.320	76.320	76.320	76.320
102.5	73.392	73.392	73.392	73.392	73.392	73.392	73.392	73.392	73.392	73.392
105.0	70.456	70.456	70.456	70.456	70.456	70.456	70.456	70.456	70.456	70.456
107.5	67.369	67.369	67.369	67.369	67.369	67.369	67.369	67.369	67.369	67.369
110.0	63.966	63.966	63.966	63.966	63.966	63.966	63.966	63.966	63.966	63.966
112.5	57.686	57.686	57.686	57.686	57.686	57.686	57.686	57.686	57.686	57.686
115.0	51.374	51.374	51.374	51.374	51.374	51.374	51.374	51.374	51.374	51.374
117.5	44.879	44.879	44.879	44.879	44.879	44.879	44.879	44.879	44.879	44.879
120.0	38.559	38.559	38.559	38.559	38.559	38.559	38.559	38.559	38.559	38.559
122.5	32.952	32.952	32.952	32.952	32.952	32.952	32.952	32.952	32.952	32.952
125.0	27.169	27.169	27.169	27.169	27.169	27.169	27.169	27.169	27.169	27.169

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CANDELA TABULATION - (Cont.)

127.5	20.843	20.843	20.843	20.843	20.843	20.843	20.843	20.843	20.843	20.843
130.0	14.882	14.882	14.882	14.882	14.882	14.882	14.882	14.882	14.882	14.882
132.5	9.795	9.795	9.795	9.795	9.795	9.795	9.795	9.795	9.795	9.795
135.0	5.682	5.682	5.682	5.682	5.682	5.682	5.682	5.682	5.682	5.682
137.5	3.427	3.427	3.427	3.427	3.427	3.427	3.427	3.427	3.427	3.427
140.0	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910	1.910
142.5	1.535	1.535	1.535	1.535	1.535	1.535	1.535	1.535	1.535	1.535
145.0	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297	1.297
147.5	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234
150.0	1.153	1.153	1.153	1.153	1.153	1.153	1.153	1.153	1.153	1.153
152.5	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053	1.053
155.0	1.044	1.044	1.044	1.044	1.044	1.044	1.044	1.044	1.044	1.044
157.5	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111	1.111
160.0	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086
162.5	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019	1.019
165.0	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086
167.5	1.120	1.120	1.120	1.120	1.120	1.120	1.120	1.120	1.120	1.120
170.0	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107
172.5	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039
175.0	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185
177.5	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162	1.162
180.0	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126

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	387.234	387.234	387.234	387.234	387.234	387.234	387.234
2.5	387.004	387.004	387.004	387.004	387.004	387.004	387.004
5.0	377.678	377.678	377.678	377.678	377.678	377.678	377.678
7.5	367.785	367.785	367.785	367.785	367.785	367.785	367.785
10.0	350.720	350.720	350.720	350.720	350.720	350.720	350.720
12.5	332.522	332.522	332.522	332.522	332.522	332.522	332.522
15.0	306.174	306.174	306.174	306.174	306.174	306.174	306.174
17.5	280.391	280.391	280.391	280.391	280.391	280.391	280.391
20.0	257.337	257.337	257.337	257.337	257.337	257.337	257.337
22.5	235.661	235.661	235.661	235.661	235.661	235.661	235.661
25.0	218.861	218.861	218.861	218.861	218.861	218.861	218.861
27.5	204.256	204.256	204.256	204.256	204.256	204.256	204.256
30.0	195.630	195.630	195.630	195.630	195.630	195.630	195.630
32.5	189.023	189.023	189.023	189.023	189.023	189.023	189.023
35.0	186.766	186.766	186.766	186.766	186.766	186.766	186.766
37.5	184.242	184.242	184.242	184.242	184.242	184.242	184.242
40.0	181.259	181.259	181.259	181.259	181.259	181.259	181.259
42.5	177.301	177.301	177.301	177.301	177.301	177.301	177.301
45.0	171.971	171.971	171.971	171.971	171.971	171.971	171.971
47.5	164.572	164.572	164.572	164.572	164.572	164.572	164.572
50.0	154.782	154.782	154.782	154.782	154.782	154.782	154.782
52.5	145.161	145.161	145.161	145.161	145.161	145.161	145.161
55.0	135.702	135.702	135.702	135.702	135.702	135.702	135.702
57.5	126.816	126.816	126.816	126.816	126.816	126.816	126.816
60.0	118.378	118.378	118.378	118.378	118.378	118.378	118.378
62.5	110.909	110.909	110.909	110.909	110.909	110.909	110.909
65.0	104.057	104.057	104.057	104.057	104.057	104.057	104.057

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CANDELA TABULATION - (Cont.)

67.5	100.608	100.608	100.608	100.608	100.608	100.608	100.608
70.0	98.920	98.920	98.920	98.920	98.920	98.920	98.920
72.5	99.220	99.220	99.220	99.220	99.220	99.220	99.220
75.0	100.338	100.338	100.338	100.338	100.338	100.338	100.338
77.5	99.644	99.644	99.644	99.644	99.644	99.644	99.644
80.0	98.369	98.369	98.369	98.369	98.369	98.369	98.369
82.5	94.329	94.329	94.329	94.329	94.329	94.329	94.329
85.0	89.622	89.622	89.622	89.622	89.622	89.622	89.622
87.5	84.548	84.548	84.548	84.548	84.548	84.548	84.548
90.0	79.411	79.411	79.411	79.411	79.411	79.411	79.411
92.5	78.234	78.234	78.234	78.234	78.234	78.234	78.234
95.0	77.477	77.477	77.477	77.477	77.477	77.477	77.477
97.5	76.896	76.896	76.896	76.896	76.896	76.896	76.896
100.0	76.320	76.320	76.320	76.320	76.320	76.320	76.320
102.5	73.392	73.392	73.392	73.392	73.392	73.392	73.392
105.0	70.456	70.456	70.456	70.456	70.456	70.456	70.456
107.5	67.369	67.369	67.369	67.369	67.369	67.369	67.369
110.0	63.966	63.966	63.966	63.966	63.966	63.966	63.966
112.5	57.686	57.686	57.686	57.686	57.686	57.686	57.686
115.0	51.374	51.374	51.374	51.374	51.374	51.374	51.374
117.5	44.879	44.879	44.879	44.879	44.879	44.879	44.879
120.0	38.559	38.559	38.559	38.559	38.559	38.559	38.559
122.5	32.952	32.952	32.952	32.952	32.952	32.952	32.952
125.0	27.169	27.169	27.169	27.169	27.169	27.169	27.169
127.5	20.843	20.843	20.843	20.843	20.843	20.843	20.843
130.0	14.882	14.882	14.882	14.882	14.882	14.882	14.882
132.5	9.795	9.795	9.795	9.795	9.795	9.795	9.795
135.0	5.682	5.682	5.682	5.682	5.682	5.682	5.682
137.5	3.427	3.427	3.427	3.427	3.427	3.427	3.427
140.0	1.910	1.910	1.910	1.910	1.910	1.910	1.910
142.5	1.535	1.535	1.535	1.535	1.535	1.535	1.535
145.0	1.297	1.297	1.297	1.297	1.297	1.297	1.297
147.5	1.234	1.234	1.234	1.234	1.234	1.234	1.234
150.0	1.153	1.153	1.153	1.153	1.153	1.153	1.153
152.5	1.053	1.053	1.053	1.053	1.053	1.053	1.053
155.0	1.044	1.044	1.044	1.044	1.044	1.044	1.044
157.5	1.111	1.111	1.111	1.111	1.111	1.111	1.111
160.0	1.086	1.086	1.086	1.086	1.086	1.086	1.086
162.5	1.019	1.019	1.019	1.019	1.019	1.019	1.019
165.0	1.086	1.086	1.086	1.086	1.086	1.086	1.086
167.5	1.120	1.120	1.120	1.120	1.120	1.120	1.120
170.0	1.107	1.107	1.107	1.107	1.107	1.107	1.107
172.5	1.039	1.039	1.039	1.039	1.039	1.039	1.039
175.0	1.185	1.185	1.185	1.185	1.185	1.185	1.185
177.5	1.162	1.162	1.162	1.162	1.162	1.162	1.162
180.0	1.126	1.126	1.126	1.126	1.126	1.126	1.126

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Zone	Lumens	%Lamp	%Fixt
0-20	120.54	N.A.	10.50
0-30	222.14	N.A.	19.40
0-40	339.54	N.A.	29.70
0-60	593.04	N.A.	51.90
0-80	803.40	N.A.	70.30
0-90	900.86	N.A.	78.80
10-90	865.59	N.A.	75.80
20-40	218.99	N.A.	19.20
20-50	350.73	N.A.	30.70
40-70	358.65	N.A.	31.40
60-80	210.37	N.A.	18.40
70-80	105.22	N.A.	9.20
80-90	97.46	N.A.	8.50
90-110	159.15	N.A.	13.90
90-120	210.23	N.A.	18.40
90-130	234.59	N.A.	20.50
90-150	240.90	N.A.	21.10
90-180	241.81	N.A.	21.20
110-180	82.66	N.A.	7.20
0-180	1142.67	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.28
10-20	85.27
20-30	101.60
30-40	117.40
40-50	131.74
50-60	121.76
60-70	105.15
70-80	105.22
80-90	97.46
90-100	84.69
100-110	74.46
110-120	51.08
120-130	24.36
130-140	5.42
140-150	0.89
150-160	0.50
160-170	0.30
170-180	0.11

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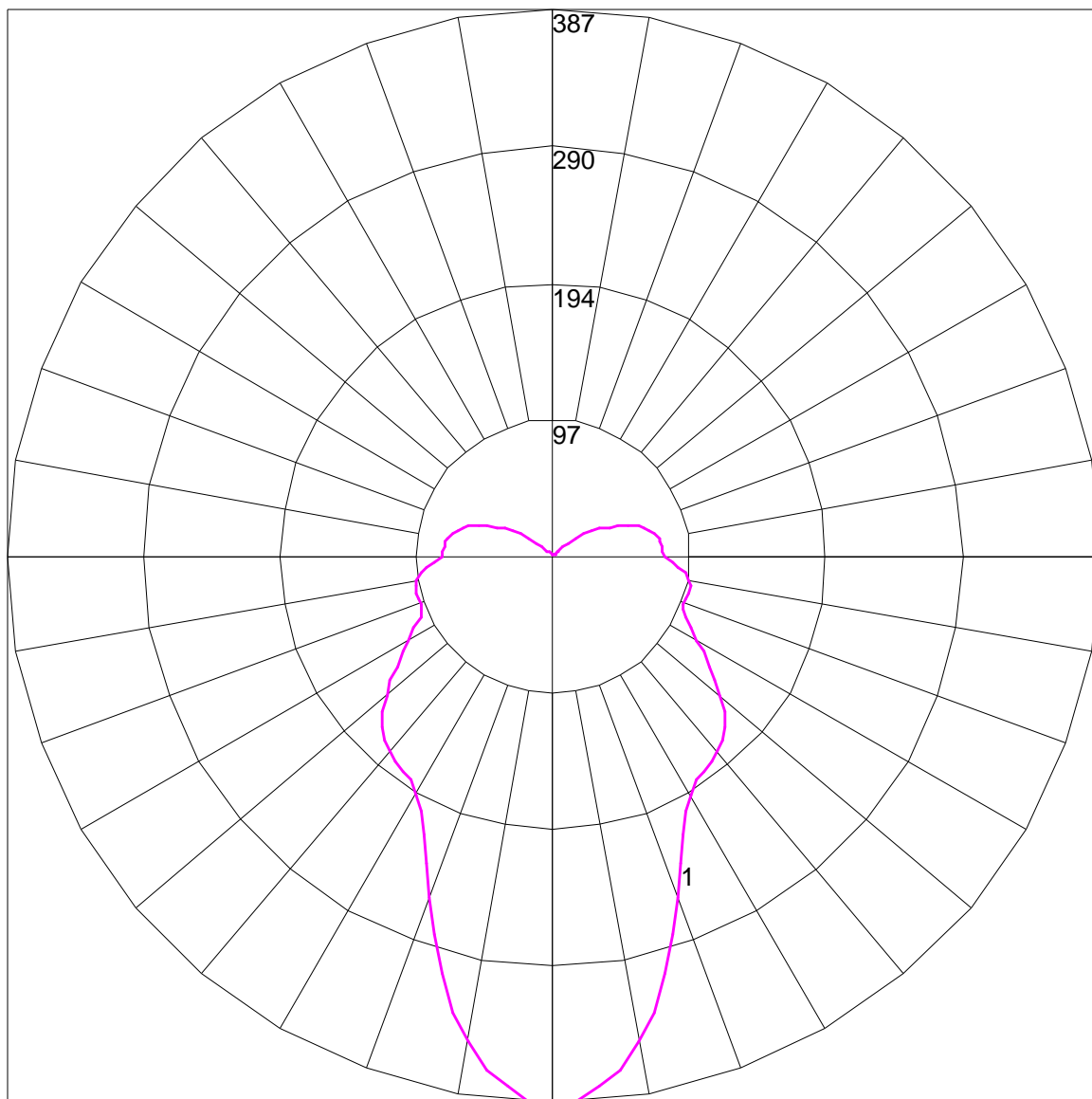
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	99	99	99	91	91	91	83	83	83	79
1	101	95	89	85	96	90	86	81	82	78	75	75	72	69	68	65	63	59
2	91	81	74	67	86	78	71	65	71	65	60	64	60	56	58	54	51	48
3	83	71	62	55	78	68	60	53	62	55	50	56	51	46	51	47	43	40
4	75	63	54	47	71	60	52	45	55	48	42	50	44	39	46	41	37	34
5	69	56	47	40	66	54	45	39	49	42	36	45	39	34	41	36	32	29
6	64	51	41	35	61	48	40	34	45	37	32	41	35	30	37	32	28	26
7	59	46	37	31	56	44	36	30	41	34	28	37	31	27	34	29	25	23
8	55	42	33	28	53	40	32	27	37	30	25	34	28	24	32	26	23	20
9	52	38	30	25	49	37	29	24	34	28	23	32	26	22	29	24	21	19
10	49	36	28	23	46	34	27	22	32	25	21	30	24	20	27	22	19	17

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POLAR GRAPH



Maximum Candela = 387.234 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)