

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00700_1 ~ TA1010GV-15L35K-EX-FJ1-MB.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00700_1_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 7/18/2018
 [UPDATE] 7/25/2018
 [LUMCAT] TA1010GV-15L-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, scaled from 27L
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT]
 [_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	655
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)	1.06
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-15L35K-EX-FJ1-MB.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1728	1728	1728
55	1473	1473	1473
65	1270	1270	1270
75	1448	1448	1448
85	1644	1644	1644

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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	221.885	221.885	221.885	221.885	221.885	221.885	221.885	221.885	221.885	221.885
2.5	221.753	221.753	221.753	221.753	221.753	221.753	221.753	221.753	221.753	221.753
5.0	216.409	216.409	216.409	216.409	216.409	216.409	216.409	216.409	216.409	216.409
7.5	210.741	210.741	210.741	210.741	210.741	210.741	210.741	210.741	210.741	210.741
10.0	200.963	200.963	200.963	200.963	200.963	200.963	200.963	200.963	200.963	200.963
12.5	190.535	190.535	190.535	190.535	190.535	190.535	190.535	190.535	190.535	190.535
15.0	175.438	175.438	175.438	175.438	175.438	175.438	175.438	175.438	175.438	175.438
17.5	160.664	160.664	160.664	160.664	160.664	160.664	160.664	160.664	160.664	160.664
20.0	147.454	147.454	147.454	147.454	147.454	147.454	147.454	147.454	147.454	147.454
22.5	135.034	135.034	135.034	135.034	135.034	135.034	135.034	135.034	135.034	135.034
25.0	125.407	125.407	125.407	125.407	125.407	125.407	125.407	125.407	125.407	125.407
27.5	117.039	117.039	117.039	117.039	117.039	117.039	117.039	117.039	117.039	117.039
30.0	112.096	112.096	112.096	112.096	112.096	112.096	112.096	112.096	112.096	112.096
32.5	108.310	108.310	108.310	108.310	108.310	108.310	108.310	108.310	108.310	108.310
35.0	107.017	107.017	107.017	107.017	107.017	107.017	107.017	107.017	107.017	107.017
37.5	105.571	105.571	105.571	105.571	105.571	105.571	105.571	105.571	105.571	105.571
40.0	103.861	103.861	103.861	103.861	103.861	103.861	103.861	103.861	103.861	103.861
42.5	101.593	101.593	101.593	101.593	101.593	101.593	101.593	101.593	101.593	101.593
45.0	98.539	98.539	98.539	98.539	98.539	98.539	98.539	98.539	98.539	98.539
47.5	94.300	94.300	94.300	94.300	94.300	94.300	94.300	94.300	94.300	94.300
50.0	88.690	88.690	88.690	88.690	88.690	88.690	88.690	88.690	88.690	88.690
52.5	83.177	83.177	83.177	83.177	83.177	83.177	83.177	83.177	83.177	83.177
55.0	77.757	77.757	77.757	77.757	77.757	77.757	77.757	77.757	77.757	77.757
57.5	72.666	72.666	72.666	72.666	72.666	72.666	72.666	72.666	72.666	72.666
60.0	67.831	67.831	67.831	67.831	67.831	67.831	67.831	67.831	67.831	67.831
62.5	63.551	63.551	63.551	63.551	63.551	63.551	63.551	63.551	63.551	63.551
65.0	59.625	59.625	59.625	59.625	59.625	59.625	59.625	59.625	59.625	59.625
67.5	57.648	57.648	57.648	57.648	57.648	57.648	57.648	57.648	57.648	57.648
70.0	56.681	56.681	56.681	56.681	56.681	56.681	56.681	56.681	56.681	56.681
72.5	56.853	56.853	56.853	56.853	56.853	56.853	56.853	56.853	56.853	56.853
75.0	57.494	57.494	57.494	57.494	57.494	57.494	57.494	57.494	57.494	57.494
77.5	57.096	57.096	57.096	57.096	57.096	57.096	57.096	57.096	57.096	57.096
80.0	56.365	56.365	56.365	56.365	56.365	56.365	56.365	56.365	56.365	56.365
82.5	54.051	54.051	54.051	54.051	54.051	54.051	54.051	54.051	54.051	54.051
85.0	51.353	51.353	51.353	51.353	51.353	51.353	51.353	51.353	51.353	51.353
87.5	48.446	48.446	48.446	48.446	48.446	48.446	48.446	48.446	48.446	48.446
90.0	45.503	45.503	45.503	45.503	45.503	45.503	45.503	45.503	45.503	45.503
92.5	44.828	44.828	44.828	44.828	44.828	44.828	44.828	44.828	44.828	44.828
95.0	44.394	44.394	44.394	44.394	44.394	44.394	44.394	44.394	44.394	44.394
97.5	44.061	44.061	44.061	44.061	44.061	44.061	44.061	44.061	44.061	44.061
100.0	43.731	43.731	43.731	43.731	43.731	43.731	43.731	43.731	43.731	43.731
102.5	42.054	42.054	42.054	42.054	42.054	42.054	42.054	42.054	42.054	42.054
105.0	40.371	40.371	40.371	40.371	40.371	40.371	40.371	40.371	40.371	40.371
107.5	38.602	38.602	38.602	38.602	38.602	38.602	38.602	38.602	38.602	38.602
110.0	36.653	36.653	36.653	36.653	36.653	36.653	36.653	36.653	36.653	36.653
112.5	33.054	33.054	33.054	33.054	33.054	33.054	33.054	33.054	33.054	33.054
115.0	29.437	29.437	29.437	29.437	29.437	29.437	29.437	29.437	29.437	29.437
117.5	25.716	25.716	25.716	25.716	25.716	25.716	25.716	25.716	25.716	25.716
120.0	22.094	22.094	22.094	22.094	22.094	22.094	22.094	22.094	22.094	22.094
122.5	18.881	18.881	18.881	18.881	18.881	18.881	18.881	18.881	18.881	18.881
125.0	15.568	15.568	15.568	15.568	15.568	15.568	15.568	15.568	15.568	15.568

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CANDELA TABULATION - (Cont.)

127.5	11.943	11.943	11.943	11.943	11.943	11.943	11.943	11.943	11.943	11.943
130.0	8.527	8.527	8.527	8.527	8.527	8.527	8.527	8.527	8.527	8.527
132.5	5.613	5.613	5.613	5.613	5.613	5.613	5.613	5.613	5.613	5.613
135.0	3.256	3.256	3.256	3.256	3.256	3.256	3.256	3.256	3.256	3.256
137.5	1.964	1.964	1.964	1.964	1.964	1.964	1.964	1.964	1.964	1.964
140.0	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094	1.094
142.5	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880	0.880
145.0	0.743	0.743	0.743	0.743	0.743	0.743	0.743	0.743	0.743	0.743
147.5	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707
150.0	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661	0.661
152.5	0.603	0.603	0.603	0.603	0.603	0.603	0.603	0.603	0.603	0.603
155.0	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598	0.598
157.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637	0.637
160.0	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
162.5	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584	0.584
165.0	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622	0.622
167.5	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642	0.642
170.0	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634	0.634
172.5	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595	0.595
175.0	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679	0.679
177.5	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666	0.666
180.0	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645	0.645

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	221.885	221.885	221.885	221.885	221.885	221.885	221.885
2.5	221.753	221.753	221.753	221.753	221.753	221.753	221.753
5.0	216.409	216.409	216.409	216.409	216.409	216.409	216.409
7.5	210.741	210.741	210.741	210.741	210.741	210.741	210.741
10.0	200.963	200.963	200.963	200.963	200.963	200.963	200.963
12.5	190.535	190.535	190.535	190.535	190.535	190.535	190.535
15.0	175.438	175.438	175.438	175.438	175.438	175.438	175.438
17.5	160.664	160.664	160.664	160.664	160.664	160.664	160.664
20.0	147.454	147.454	147.454	147.454	147.454	147.454	147.454
22.5	135.034	135.034	135.034	135.034	135.034	135.034	135.034
25.0	125.407	125.407	125.407	125.407	125.407	125.407	125.407
27.5	117.039	117.039	117.039	117.039	117.039	117.039	117.039
30.0	112.096	112.096	112.096	112.096	112.096	112.096	112.096
32.5	108.310	108.310	108.310	108.310	108.310	108.310	108.310
35.0	107.017	107.017	107.017	107.017	107.017	107.017	107.017
37.5	105.571	105.571	105.571	105.571	105.571	105.571	105.571
40.0	103.861	103.861	103.861	103.861	103.861	103.861	103.861
42.5	101.593	101.593	101.593	101.593	101.593	101.593	101.593
45.0	98.539	98.539	98.539	98.539	98.539	98.539	98.539
47.5	94.300	94.300	94.300	94.300	94.300	94.300	94.300
50.0	88.690	88.690	88.690	88.690	88.690	88.690	88.690
52.5	83.177	83.177	83.177	83.177	83.177	83.177	83.177
55.0	77.757	77.757	77.757	77.757	77.757	77.757	77.757
57.5	72.666	72.666	72.666	72.666	72.666	72.666	72.666
60.0	67.831	67.831	67.831	67.831	67.831	67.831	67.831
62.5	63.551	63.551	63.551	63.551	63.551	63.551	63.551
65.0	59.625	59.625	59.625	59.625	59.625	59.625	59.625

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CANDELA TABULATION - (Cont.)

67.5	57.648	57.648	57.648	57.648	57.648	57.648	57.648
70.0	56.681	56.681	56.681	56.681	56.681	56.681	56.681
72.5	56.853	56.853	56.853	56.853	56.853	56.853	56.853
75.0	57.494	57.494	57.494	57.494	57.494	57.494	57.494
77.5	57.096	57.096	57.096	57.096	57.096	57.096	57.096
80.0	56.365	56.365	56.365	56.365	56.365	56.365	56.365
82.5	54.051	54.051	54.051	54.051	54.051	54.051	54.051
85.0	51.353	51.353	51.353	51.353	51.353	51.353	51.353
87.5	48.446	48.446	48.446	48.446	48.446	48.446	48.446
90.0	45.503	45.503	45.503	45.503	45.503	45.503	45.503
92.5	44.828	44.828	44.828	44.828	44.828	44.828	44.828
95.0	44.394	44.394	44.394	44.394	44.394	44.394	44.394
97.5	44.061	44.061	44.061	44.061	44.061	44.061	44.061
100.0	43.731	43.731	43.731	43.731	43.731	43.731	43.731
102.5	42.054	42.054	42.054	42.054	42.054	42.054	42.054
105.0	40.371	40.371	40.371	40.371	40.371	40.371	40.371
107.5	38.602	38.602	38.602	38.602	38.602	38.602	38.602
110.0	36.653	36.653	36.653	36.653	36.653	36.653	36.653
112.5	33.054	33.054	33.054	33.054	33.054	33.054	33.054
115.0	29.437	29.437	29.437	29.437	29.437	29.437	29.437
117.5	25.716	25.716	25.716	25.716	25.716	25.716	25.716
120.0	22.094	22.094	22.094	22.094	22.094	22.094	22.094
122.5	18.881	18.881	18.881	18.881	18.881	18.881	18.881
125.0	15.568	15.568	15.568	15.568	15.568	15.568	15.568
127.5	11.943	11.943	11.943	11.943	11.943	11.943	11.943
130.0	8.527	8.527	8.527	8.527	8.527	8.527	8.527
132.5	5.613	5.613	5.613	5.613	5.613	5.613	5.613
135.0	3.256	3.256	3.256	3.256	3.256	3.256	3.256
137.5	1.964	1.964	1.964	1.964	1.964	1.964	1.964
140.0	1.094	1.094	1.094	1.094	1.094	1.094	1.094
142.5	0.880	0.880	0.880	0.880	0.880	0.880	0.880
145.0	0.743	0.743	0.743	0.743	0.743	0.743	0.743
147.5	0.707	0.707	0.707	0.707	0.707	0.707	0.707
150.0	0.661	0.661	0.661	0.661	0.661	0.661	0.661
152.5	0.603	0.603	0.603	0.603	0.603	0.603	0.603
155.0	0.598	0.598	0.598	0.598	0.598	0.598	0.598
157.5	0.637	0.637	0.637	0.637	0.637	0.637	0.637
160.0	0.622	0.622	0.622	0.622	0.622	0.622	0.622
162.5	0.584	0.584	0.584	0.584	0.584	0.584	0.584
165.0	0.622	0.622	0.622	0.622	0.622	0.622	0.622
167.5	0.642	0.642	0.642	0.642	0.642	0.642	0.642
170.0	0.634	0.634	0.634	0.634	0.634	0.634	0.634
172.5	0.595	0.595	0.595	0.595	0.595	0.595	0.595
175.0	0.679	0.679	0.679	0.679	0.679	0.679	0.679
177.5	0.666	0.666	0.666	0.666	0.666	0.666	0.666
180.0	0.645	0.645	0.645	0.645	0.645	0.645	0.645

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Zone	Lumens	%Lamp	%Fixt
0-20	69.07	N.A.	10.50
0-30	127.29	N.A.	19.40
0-40	194.55	N.A.	29.70
0-60	339.81	N.A.	51.90
0-80	460.35	N.A.	70.30
0-90	516.19	N.A.	78.80
10-90	495.98	N.A.	75.80
20-40	125.48	N.A.	19.20
20-50	200.97	N.A.	30.70
40-70	205.50	N.A.	31.40
60-80	120.54	N.A.	18.40
70-80	60.29	N.A.	9.20
80-90	55.84	N.A.	8.50
90-110	91.19	N.A.	13.90
90-120	120.46	N.A.	18.40
90-130	134.42	N.A.	20.50
90-150	138.04	N.A.	21.10
90-180	138.56	N.A.	21.20
110-180	47.36	N.A.	7.20
0-180	654.75	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.21
10-20	48.86
20-30	58.21
30-40	67.27
40-50	75.49
50-60	69.77
60-70	60.25
70-80	60.29
80-90	55.84
90-100	48.53
100-110	42.67
110-120	29.27
120-130	13.96
130-140	3.11
140-150	0.51
150-160	0.29
160-170	0.17
170-180	0.06

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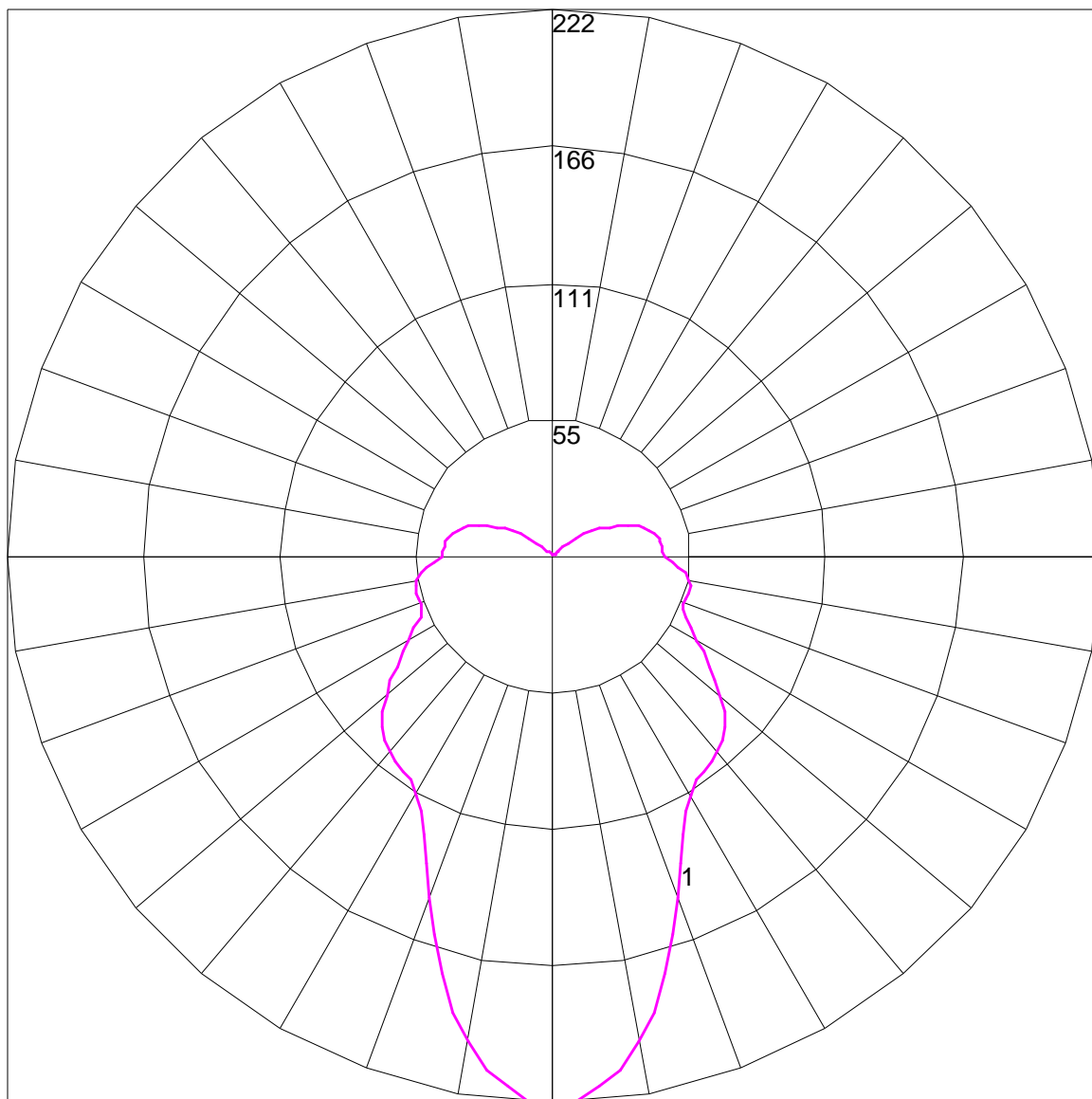
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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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PHOTOMETRIC FILENAME : SP-00700_1 ~ TA1010GV-15L35K-EX-FJ1-MB.IES

POLAR GRAPH



Maximum Candela = 221.885 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)