

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-15L35K-EX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00572_1_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/18/2018
 [UPDATE] 11/21/2018
 [LUMCAT] TD1617GV-15L-35K-EX-TF2-MWI
 [LUMINAIRE] Nom. 16" diam. x 17.1" H, Dedal Pendant
 [OTHER] Reflector: Matte White interior finish
 [OTHER] Beam Angle: 68.8 degrees
 [OTHER] Regressed, Inside Frosted, Shallow Dome Diffuser
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [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
 [_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	803
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-15L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1385	1347	1319
55	1305	1228	1217
65	1010	932	936
75	697	619	637
85	171	96	129

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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	488.500	488.500	488.500	488.500	488.500	488.500	488.500	488.500	488.500	488.500
2.5	486.842	486.879	486.287	485.014	483.165	485.014	486.287	486.879	486.842	488.542
5.0	486.690	483.871	482.730	481.285	480.686	481.285	482.730	483.871	486.690	487.264
7.5	483.527	481.745	480.809	479.693	478.710	479.693	480.809	481.745	483.527	484.501
10.0	480.631	479.704	478.970	478.196	477.105	478.196	478.970	479.704	480.631	482.147
12.5	480.165	479.609	478.592	477.335	476.317	477.335	478.592	479.609	480.165	481.897
15.0	479.475	479.320	478.057	476.346	475.051	476.346	478.057	479.320	479.475	481.261
17.5	477.463	476.946	475.507	473.404	472.949	473.404	475.507	476.946	477.463	479.144
20.0	474.684	474.019	472.263	469.882	468.789	469.882	472.263	474.019	474.684	476.214
22.5	468.728	467.419	464.089	461.472	461.646	461.472	464.089	467.419	468.728	470.952
25.0	456.610	454.360	448.613	445.815	439.621	445.815	448.613	454.360	456.610	459.719
27.5	425.617	412.298	398.296	391.323	400.092	391.323	398.296	412.298	425.617	435.203
30.0	377.877	360.045	341.009	331.096	336.311	331.096	341.009	360.045	377.877	389.847
32.5	289.217	273.664	258.907	249.114	249.308	249.114	258.907	273.664	289.217	306.524
35.0	216.661	201.836	191.050	181.331	191.125	181.331	191.050	201.836	216.661	236.391
37.5	175.121	167.851	161.580	155.503	156.039	155.503	161.580	167.851	175.121	185.574
40.0	145.707	141.996	138.845	135.346	136.653	135.346	138.845	141.996	145.707	152.086
42.5	135.011	132.715	130.528	128.161	127.453	128.161	130.528	132.715	135.011	139.324
45.0	126.563	124.687	123.021	121.331	120.454	121.331	123.021	124.687	126.563	129.996
47.5	121.007	118.731	116.918	115.144	114.618	115.144	116.918	118.731	121.007	124.082
50.0	114.226	111.732	109.635	107.924	107.400	107.924	109.635	111.732	114.226	117.129
52.5	106.165	103.323	100.706	99.152	99.597	99.152	100.706	103.323	106.165	109.337
55.0	96.674	93.844	90.991	89.643	90.145	89.643	90.991	93.844	96.674	99.864
57.5	85.965	83.187	80.375	79.240	80.154	79.240	80.375	83.187	85.965	89.275
60.0	75.298	72.738	70.063	69.242	70.062	69.242	70.063	72.738	75.298	78.620
62.5	64.662	62.479	60.040	59.652	59.945	59.652	60.040	62.479	64.662	67.931
65.0	55.149	53.168	50.866	50.562	51.128	50.562	50.866	53.168	55.149	58.087
67.5	46.265	44.548	42.327	41.878	42.539	41.878	42.327	44.548	46.265	48.596
70.0	38.314	36.636	34.593	33.998	34.854	33.998	34.593	36.636	38.314	40.273
72.5	30.658	29.015	27.205	26.477	27.544	26.477	27.205	29.015	30.658	32.305
75.0	23.295	21.968	20.697	20.195	21.286	20.195	20.697	21.968	23.295	25.191
77.5	16.887	15.716	14.540	14.095	15.430	14.095	14.540	15.716	16.887	18.558
80.0	11.419	10.313	8.916	8.446	9.950	8.446	8.916	10.313	11.419	12.552
82.5	6.539	5.307	4.229	4.172	5.044	4.172	4.229	5.307	6.539	7.440
85.0	1.921	1.644	1.076	0.967	1.447	0.967	1.076	1.644	1.921	2.759
87.5	0.412	0.361	0.318	0.296	0.241	0.296	0.318	0.361	0.412	0.571
90.0	0.165	0.199	0.177	0.110	0.184	0.110	0.177	0.199	0.165	0.138
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	488.500	488.500	488.500	488.500	488.500	488.500	488.500
2.5	489.421	488.985	486.067	488.985	489.421	488.542	486.842
5.0	488.966	489.123	485.644	489.123	488.966	487.264	486.690
7.5	486.240	486.882	484.999	486.882	486.240	484.501	483.527
10.0	483.924	485.113	484.309	485.113	483.924	482.147	480.631
12.5	483.603	485.431	485.054	485.431	483.603	481.897	480.165
15.0	482.992	485.466	485.984	485.466	482.992	481.261	479.475
17.5	481.349	484.572	484.627	484.572	481.349	479.144	477.463
20.0	478.944	482.523	483.098	482.523	478.944	476.214	474.684
22.5	474.432	477.562	477.458	477.562	474.432	470.952	468.728
25.0	464.880	468.713	471.183	468.713	464.880	459.719	456.610
27.5	444.482	452.025	446.438	452.025	444.482	435.203	425.617
30.0	402.852	412.695	417.059	412.695	402.852	389.847	377.877
32.5	324.577	336.314	332.164	336.314	324.577	306.524	289.217
35.0	254.900	265.783	251.729	265.783	254.900	236.391	216.661
37.5	197.450	202.985	201.566	202.985	197.450	185.574	175.121
40.0	159.776	162.294	157.998	162.294	159.776	152.086	145.707
42.5	144.925	145.873	145.264	145.873	144.925	139.324	135.011
45.0	134.363	134.740	133.911	134.740	134.363	129.996	126.563
47.5	127.891	128.366	127.339	128.366	127.891	124.082	121.007
50.0	120.529	121.311	120.340	121.311	120.529	117.129	114.226
52.5	112.467	113.757	112.213	113.757	112.467	109.337	106.165
55.0	102.730	104.103	103.114	104.103	102.730	99.864	96.674
57.5	91.926	93.172	91.944	93.172	91.926	89.275	85.965
60.0	80.924	82.079	80.818	82.079	80.924	78.620	75.298
62.5	69.817	70.907	69.767	70.907	69.817	67.931	64.662
65.0	59.873	60.848	59.496	60.848	59.873	58.087	55.149

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CANDELA TABULATION - (Cont.)

67.5	50.398	51.205	50.256	51.205	50.398	48.596	46.265
70.0	42.015	42.732	41.448	42.732	42.015	40.273	38.314
72.5	33.954	34.620	32.965	34.620	33.954	32.305	30.658
75.0	26.664	27.430	25.934	27.430	26.664	25.191	23.295
77.5	19.983	20.531	19.546	20.531	19.983	18.558	16.887
80.0	13.866	14.126	13.834	14.126	13.866	12.552	11.419
82.5	8.326	8.674	7.706	8.674	8.326	7.440	6.539
85.0	3.837	4.149	3.322	4.149	3.837	2.759	1.921
87.5	0.773	0.946	0.653	0.946	0.773	0.571	0.412
90.0	0.146	0.147	0.157	0.147	0.146	0.138	0.165
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	182.05	N.A.	22.70
0-30	385.96	N.A.	48.10
0-40	532.60	N.A.	66.30
0-60	718.27	N.A.	89.40
0-80	798.97	N.A.	99.50
0-90	803.06	N.A.	100.00
10-90	756.86	N.A.	94.20
20-40	350.55	N.A.	43.70
20-50	450.36	N.A.	56.10
40-70	241.00	N.A.	30.00
60-80	80.70	N.A.	10.00
70-80	25.37	N.A.	3.20
80-90	4.09	N.A.	0.50
90-110	0.02	N.A.	0.00
90-120	0.02	N.A.	0.00
90-130	0.02	N.A.	0.00
90-150	0.02	N.A.	0.00
90-180	0.02	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	803.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.19
10-20	135.85
20-30	203.91
30-40	146.64
40-50	99.80
50-60	85.87
60-70	55.33
70-80	25.37
80-90	4.09
90-100	0.02
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

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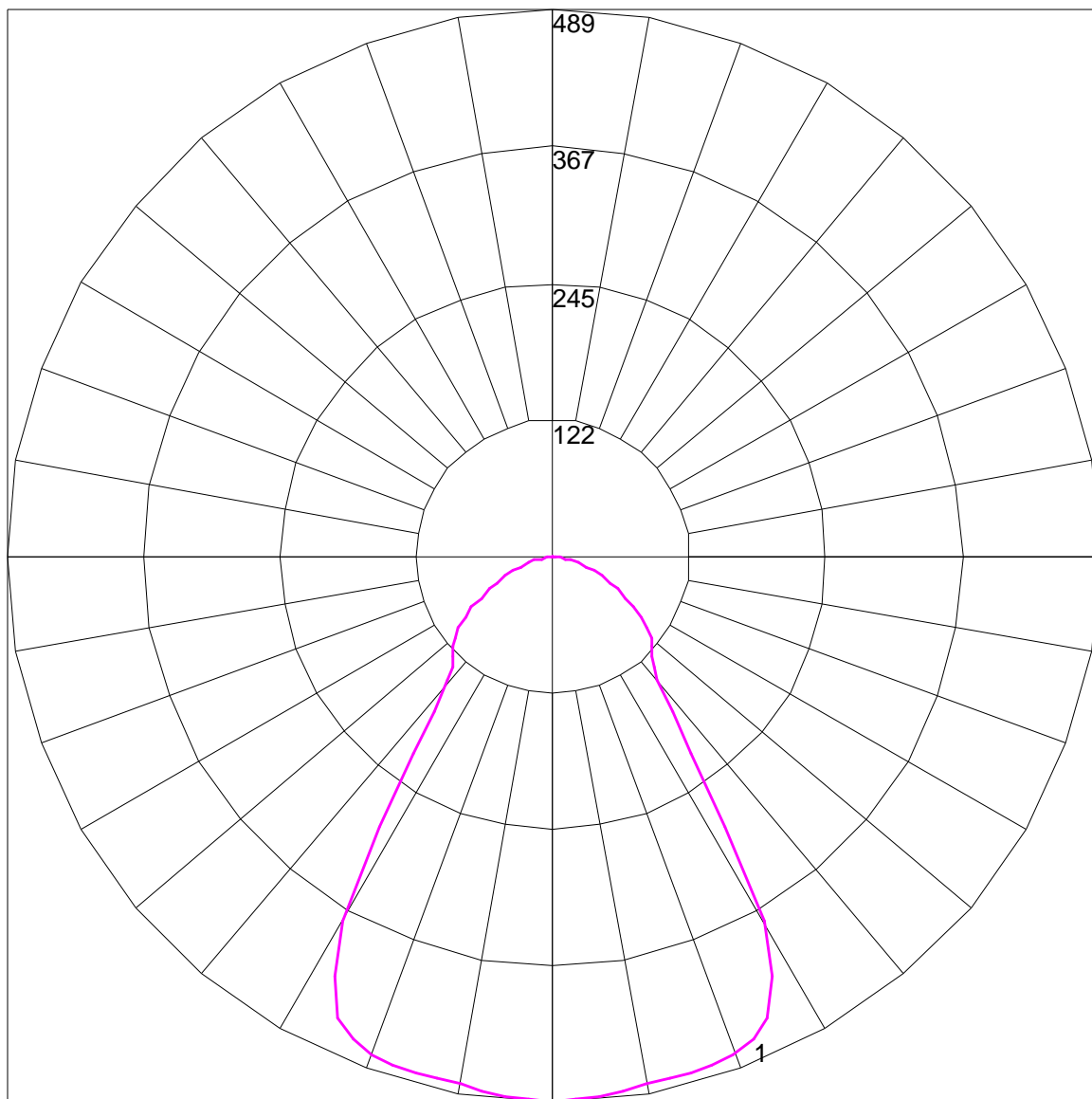
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	86	101	95	90	85	91	87	83	88	85	82	85	82	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	66	87	78	71	66	76	70	65	73	68	64	71	67	63	62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55
6	78	67	59	53	76	66	58	53	64	58	53	62	57	52	61	56	52	50
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46
8	69	57	50	44	67	56	49	44	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	49	42	38	60	49	42	38	48	42	38	47	41	37	46	41	37	36

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POLAR GRAPH



Maximum Candela = 489.421 Located At Horizontal Angle = 225, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)