

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-27L35K-EX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00572_1_M-27L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/18/2018
 [UPDATE] 11/21/2018
 [LUMCAT] TD1617GV-27L-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	1403
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	18
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-27L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2421	2353	2304
55	2279	2145	2125
65	1765	1628	1636
75	1217	1081	1112
85	298	167	225

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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	853.493	853.493	853.493	853.493	853.493	853.493	853.493	853.493	853.493	853.493
2.5	850.595	850.660	849.627	847.403	844.172	847.403	849.627	850.660	850.595	853.566
5.0	850.331	845.404	843.411	840.886	839.841	840.886	843.411	845.404	850.331	851.334
7.5	844.804	841.690	840.055	838.105	836.388	838.105	840.055	841.690	844.804	846.505
10.0	839.744	838.124	836.841	835.489	833.583	835.489	836.841	838.124	839.744	842.393
12.5	838.930	837.958	836.181	833.985	832.207	833.985	836.181	837.958	838.930	841.957
15.0	837.724	837.454	835.246	832.257	829.995	832.257	835.246	837.454	837.724	840.844
17.5	834.210	833.306	830.792	827.117	826.322	827.117	830.792	833.306	834.210	837.147
20.0	829.353	828.191	825.123	820.964	819.054	820.964	825.123	828.191	829.353	832.027
22.5	818.948	816.660	810.842	806.269	806.573	806.269	810.842	816.660	818.948	822.833
25.0	797.775	793.844	783.804	778.915	768.092	778.915	783.804	793.844	797.775	803.207
27.5	743.625	720.355	695.890	683.708	699.030	683.708	695.890	720.355	743.625	760.374
30.0	660.216	629.061	595.800	578.481	587.592	578.481	595.800	629.061	660.216	681.129
32.5	505.312	478.138	452.355	435.245	435.583	435.245	452.355	478.138	505.312	535.549
35.0	378.543	352.642	333.797	316.817	333.929	316.817	333.797	352.642	378.543	413.015
37.5	305.966	293.264	282.307	271.690	272.627	271.690	282.307	293.264	305.966	324.229
40.0	254.574	248.092	242.587	236.473	238.756	236.473	242.587	248.092	254.574	265.719
42.5	235.888	231.876	228.054	223.919	222.682	223.919	228.054	231.876	235.888	243.423
45.0	221.128	217.850	214.938	211.985	210.454	211.985	214.938	217.850	221.128	227.125
47.5	211.419	207.443	204.276	201.177	200.257	201.177	204.276	207.443	211.419	216.792
50.0	199.572	195.215	191.551	188.561	187.646	188.561	191.551	195.215	199.572	204.645
52.5	185.489	180.523	175.950	173.235	174.012	173.235	175.950	180.523	185.489	191.030
55.0	168.906	163.961	158.978	156.622	157.499	156.622	158.978	163.961	168.906	174.480
57.5	150.195	145.342	140.429	138.445	140.043	138.445	140.429	145.342	150.195	155.978
60.0	131.559	127.086	122.413	120.977	122.410	120.977	122.413	127.086	131.559	137.363
62.5	112.976	109.161	104.901	104.222	104.733	104.222	104.901	109.161	112.976	118.688
65.0	96.354	92.893	88.871	88.341	89.329	88.341	88.871	92.893	96.354	101.487
67.5	80.833	77.832	73.953	73.167	74.323	73.167	73.953	77.832	80.833	84.905
70.0	66.941	64.010	60.440	59.401	60.897	59.401	60.440	64.010	66.941	70.363
72.5	53.565	50.693	47.532	46.259	48.123	46.259	47.532	50.693	53.565	56.442
75.0	40.700	38.382	36.162	35.284	37.190	35.284	36.162	38.382	40.700	44.013
77.5	29.505	27.459	25.404	24.626	26.960	24.626	25.404	27.459	29.505	32.424
80.0	19.951	18.019	15.579	14.757	17.385	14.757	15.579	18.019	19.951	21.930
82.5	11.424	9.272	7.389	7.289	8.813	7.289	7.389	9.272	11.424	13.000
85.0	3.356	2.873	1.879	1.689	2.529	1.689	1.879	2.873	3.356	4.820
87.5	0.720	0.631	0.556	0.517	0.421	0.517	0.556	0.631	0.720	0.997
90.0	0.289	0.348	0.309	0.192	0.321	0.192	0.309	0.348	0.289	0.241
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	853.493	853.493	853.493	853.493	853.493	853.493	853.493
2.5	855.101	854.340	849.242	854.340	855.101	853.566	850.595
5.0	854.307	854.581	848.503	854.581	854.307	851.334	850.331
7.5	849.544	850.666	847.375	850.666	849.544	846.505	844.804
10.0	845.497	847.575	846.170	847.575	845.497	842.393	839.744
12.5	844.937	848.130	847.472	848.130	844.937	841.957	838.930
15.0	843.868	848.192	849.097	848.192	843.868	840.844	837.724
17.5	840.999	846.629	846.726	846.629	840.999	837.147	834.210
20.0	836.796	843.050	844.055	843.050	836.796	832.027	829.353
22.5	828.913	834.382	834.200	834.382	828.913	822.833	818.948
25.0	812.225	818.922	823.238	818.922	812.225	803.207	797.775
27.5	776.586	789.764	780.003	789.764	776.586	760.374	743.625
30.0	703.851	721.049	728.674	721.049	703.851	681.129	660.216
32.5	567.091	587.598	580.348	587.598	567.091	535.549	505.312
35.0	445.354	464.368	439.812	464.368	445.354	413.015	378.543
37.5	344.979	354.649	352.170	354.649	344.979	324.229	305.966
40.0	279.156	283.555	276.050	283.555	279.156	265.719	254.574
42.5	253.208	254.865	253.801	254.865	253.208	243.423	235.888
45.0	234.756	235.413	233.965	235.413	234.756	227.125	221.128
47.5	223.447	224.277	222.483	224.277	223.447	216.792	211.419
50.0	210.584	211.950	210.254	211.950	210.584	204.645	199.572
52.5	196.500	198.752	196.056	198.752	196.500	191.030	185.489
55.0	179.487	181.885	180.158	181.885	179.487	174.480	168.906
57.5	160.611	162.787	160.642	162.787	160.611	155.978	150.195
60.0	141.387	143.405	141.203	143.405	141.387	137.363	131.559
62.5	121.982	123.886	121.895	123.886	121.982	118.688	112.976
65.0	104.607	106.312	103.950	106.312	104.607	101.487	96.354

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PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-27L35K-EX-TF2-MWI.IES

CANDELA TABULATION - (Cont.)

67.5	88.054	89.464	87.806	89.464	88.054	84.905	80.833
70.0	73.408	74.660	72.417	74.660	73.408	70.363	66.941
72.5	59.324	60.486	57.596	60.486	59.324	56.442	53.565
75.0	46.586	47.926	45.311	47.926	46.586	44.013	40.700
77.5	34.913	35.871	34.149	35.871	34.913	32.424	29.505
80.0	24.226	24.680	24.170	24.680	24.226	21.930	19.951
82.5	14.546	15.154	13.464	15.154	14.546	13.000	11.424
85.0	6.705	7.249	5.804	7.249	6.705	4.820	3.356
87.5	1.351	1.653	1.141	1.653	1.351	0.997	0.720
90.0	0.255	0.257	0.275	0.257	0.255	0.241	0.289
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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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	318.07	N.A.	22.70
0-30	674.34	N.A.	48.10
0-40	930.55	N.A.	66.30
0-60	1254.94	N.A.	89.40
0-80	1395.94	N.A.	99.50
0-90	1403.08	N.A.	100.00
10-90	1322.37	N.A.	94.20
20-40	612.48	N.A.	43.70
20-50	786.85	N.A.	56.10
40-70	421.07	N.A.	30.00
60-80	141.00	N.A.	10.00
70-80	44.32	N.A.	3.20
80-90	7.14	N.A.	0.50
90-110	0.04	N.A.	0.00
90-120	0.04	N.A.	0.00
90-130	0.04	N.A.	0.00
90-150	0.04	N.A.	0.00
90-180	0.04	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1403.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.71
10-20	237.36
20-30	356.27
30-40	256.21
40-50	174.37
50-60	150.03
60-70	96.67
70-80	44.32
80-90	7.14
90-100	0.04
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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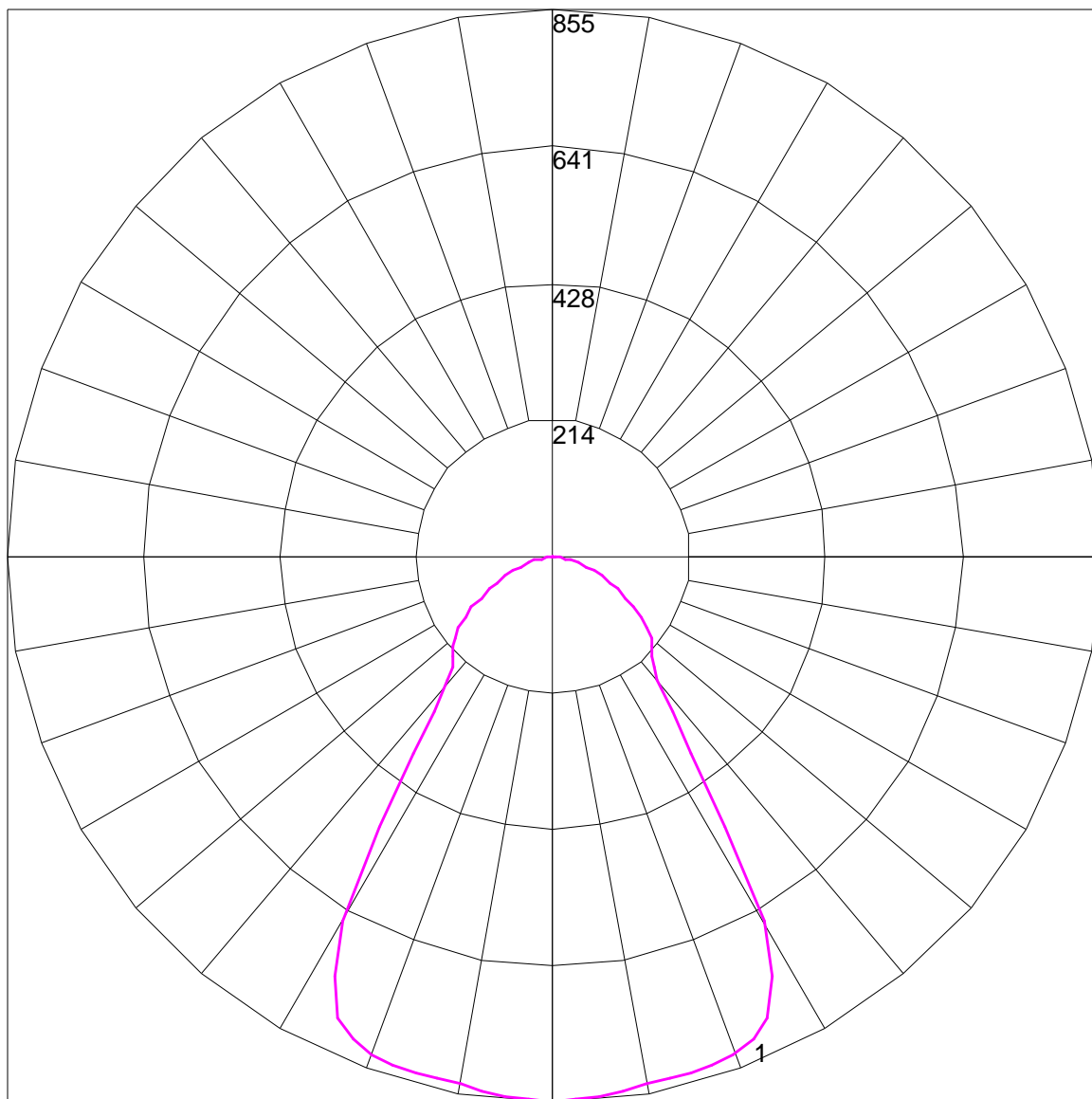
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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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PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-27L35K-EX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 855.101 Located At Horizontal Angle = 225, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)