

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-55L35K-EX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00572_1
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 9/18/2018
 [UPDATE] 11/21/2018
 [LUMCAT] TD1617GV-55L-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
 [_CRI]85+
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT] 15L x 0.265, 27L x 0.463, 37L x 0.68

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3030
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	39
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-55L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5228	5082	4976
55	4923	4634	4591
65	3812	3516	3534
75	2629	2336	2402
85	644	360	485

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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	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398
2.5	1837.139	1837.279	1835.047	1830.243	1823.266	1830.243	1835.047	1837.279	1837.139	1843.554
5.0	1836.568	1825.927	1821.621	1816.169	1813.911	1816.169	1821.621	1825.927	1836.568	1838.734
7.5	1824.630	1817.904	1814.374	1810.163	1806.453	1810.163	1814.374	1817.904	1824.630	1828.305
10.0	1813.702	1810.203	1807.433	1804.512	1800.396	1804.512	1807.433	1810.203	1813.702	1819.424
12.5	1811.944	1809.844	1806.006	1801.264	1797.423	1801.264	1806.006	1809.844	1811.944	1818.481
15.0	1809.339	1808.756	1803.987	1797.532	1792.646	1797.532	1803.987	1808.756	1809.339	1816.078
17.5	1801.749	1799.796	1794.367	1786.429	1784.713	1786.429	1794.367	1799.796	1801.749	1808.092
20.0	1791.260	1788.750	1782.123	1773.140	1769.015	1773.140	1782.123	1788.750	1791.260	1797.035
22.5	1768.786	1763.845	1751.278	1741.402	1742.059	1741.402	1751.278	1763.845	1768.786	1777.178
25.0	1723.057	1714.566	1692.881	1682.321	1658.947	1682.321	1692.881	1714.566	1723.057	1734.788
27.5	1606.101	1555.843	1503.003	1476.691	1509.783	1476.691	1503.003	1555.843	1606.101	1642.277
30.0	1425.952	1358.662	1286.825	1249.420	1269.097	1249.420	1286.825	1358.662	1425.952	1471.120
32.5	1091.386	1032.695	977.009	940.054	940.785	940.054	977.009	1032.695	1091.386	1156.694
35.0	817.588	761.646	720.944	684.269	721.228	684.269	720.944	761.646	817.588	892.041
37.5	660.833	633.400	609.735	586.803	588.828	586.803	609.735	633.400	660.833	700.279
40.0	549.836	535.835	523.945	510.740	515.672	510.740	523.945	535.835	549.836	573.908
42.5	509.477	500.813	492.557	483.626	480.955	483.626	492.557	500.813	509.477	525.752
45.0	477.598	470.518	464.230	457.852	454.544	457.852	464.230	470.518	477.598	490.551
47.5	456.629	448.040	441.201	434.507	432.521	434.507	441.201	448.040	456.629	468.234
50.0	431.042	421.631	413.718	407.260	405.284	407.260	413.718	421.631	431.042	441.998
52.5	400.624	389.898	380.022	374.157	375.836	374.157	380.022	389.898	400.624	412.592
55.0	364.808	354.127	343.364	338.276	340.170	338.276	343.364	354.127	364.808	376.847
57.5	324.396	313.914	303.303	299.017	302.469	299.017	303.303	313.914	324.396	336.886
60.0	284.145	274.483	264.390	261.290	264.385	261.290	264.390	274.483	284.145	296.681
62.5	244.009	235.769	226.567	225.101	226.206	225.101	226.567	235.769	244.009	256.345
65.0	208.108	200.633	191.946	190.801	192.935	190.801	191.946	200.633	208.108	219.195
67.5	174.586	168.104	159.725	158.029	160.524	158.029	159.725	168.104	174.586	183.381
70.0	144.580	138.250	130.541	128.295	131.526	128.295	130.541	138.250	144.580	151.972
72.5	115.691	109.489	102.661	99.912	103.938	99.912	102.661	109.489	115.691	121.906
75.0	87.904	82.898	78.103	76.208	80.323	76.208	78.103	82.898	87.904	95.060
77.5	63.725	59.306	54.869	53.187	58.228	53.187	54.869	59.306	63.725	70.030
80.0	43.091	38.918	33.647	31.872	37.549	31.872	33.647	38.918	43.091	47.366
82.5	24.674	20.025	15.958	15.744	19.035	15.744	15.958	20.025	24.674	28.077
85.0	7.249	6.205	4.059	3.648	5.462	3.648	4.059	6.205	7.249	10.410
87.5	1.555	1.362	1.201	1.116	0.910	1.116	1.201	1.362	1.555	2.154
90.0	0.624	0.752	0.668	0.415	0.693	0.415	0.668	0.752	0.624	0.520
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.
Angles**

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	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398	1843.398
2.5	1846.870	1845.226	1834.215	1845.226	1846.870	1843.554	1837.139
5.0	1845.155	1845.748	1832.619	1845.748	1845.155	1838.734	1836.568
7.5	1834.868	1837.291	1830.184	1837.291	1834.868	1828.305	1824.630
10.0	1826.128	1830.615	1827.582	1830.615	1826.128	1819.424	1813.702
12.5	1824.917	1831.814	1830.394	1831.814	1824.917	1818.481	1811.944
15.0	1822.610	1831.949	1833.903	1831.949	1822.610	1816.078	1809.339
17.5	1816.412	1828.572	1828.782	1828.572	1816.412	1808.092	1801.749
20.0	1807.335	1820.842	1823.012	1820.842	1807.335	1797.035	1791.260
22.5	1790.309	1802.121	1801.727	1802.121	1790.309	1777.178	1768.786
25.0	1754.265	1768.730	1778.051	1768.730	1754.265	1734.788	1723.057
27.5	1677.291	1705.754	1684.672	1705.754	1677.291	1642.277	1606.101
30.0	1520.197	1557.341	1573.809	1557.341	1520.197	1471.120	1425.952
32.5	1224.819	1269.111	1253.451	1269.111	1224.819	1156.694	1091.386
35.0	961.888	1002.955	949.919	1002.955	961.888	892.041	817.588
37.5	745.095	765.981	760.627	765.981	745.095	700.279	660.833
40.0	602.928	612.430	596.220	612.430	602.928	573.908	549.836
42.5	546.886	550.464	548.167	550.464	546.886	525.752	509.477
45.0	507.032	508.451	505.323	508.451	507.032	490.551	477.598
47.5	482.606	484.400	480.525	484.400	482.606	468.234	456.629
50.0	454.825	457.776	454.112	457.776	454.825	441.998	431.042
52.5	424.405	429.270	423.447	429.270	424.405	412.592	400.624
55.0	387.660	392.840	389.111	392.840	387.660	376.847	364.808
57.5	346.891	351.591	346.958	351.591	346.891	336.886	324.396
60.0	305.372	309.731	304.974	309.731	305.372	296.681	284.145
62.5	263.461	267.573	263.273	267.573	263.461	256.345	244.009
65.0	225.934	229.615	224.513	229.615	225.934	219.195	208.108

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CANDELA TABULATION - (Cont.)

67.5	190.182	193.226	189.645	193.226	190.182	183.381	174.586
70.0	158.549	161.253	156.409	161.253	158.549	151.972	144.580
72.5	128.129	130.640	124.397	130.640	128.129	121.906	115.691
75.0	100.617	103.511	97.864	103.511	100.617	95.060	87.904
77.5	75.407	77.475	73.757	77.475	75.407	70.030	63.725
80.0	52.324	53.305	52.203	53.305	52.324	47.366	43.091
82.5	31.417	32.731	29.079	32.731	31.417	28.077	24.674
85.0	14.481	15.656	12.535	15.656	14.481	10.410	7.249
87.5	2.917	3.570	2.465	3.570	2.917	2.154	1.555
90.0	0.550	0.555	0.594	0.555	0.550	0.520	0.624
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	686.97	N.A.	22.70
0-30	1456.46	N.A.	48.10
0-40	2009.82	N.A.	66.30
0-60	2710.46	N.A.	89.40
0-80	3014.98	N.A.	99.50
0-90	3030.41	N.A.	100.00
10-90	2856.08	N.A.	94.20
20-40	1322.85	N.A.	43.70
20-50	1699.46	N.A.	56.10
40-70	909.44	N.A.	30.00
60-80	304.53	N.A.	10.00
70-80	95.73	N.A.	3.20
80-90	15.42	N.A.	0.50
90-110	0.08	N.A.	0.00
90-120	0.08	N.A.	0.00
90-130	0.08	N.A.	0.00
90-150	0.08	N.A.	0.00
90-180	0.08	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3030.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	174.32
10-20	512.65
20-30	769.49
30-40	553.36
40-50	376.61
50-60	324.03
60-70	208.80
70-80	95.73
80-90	15.42
90-100	0.08
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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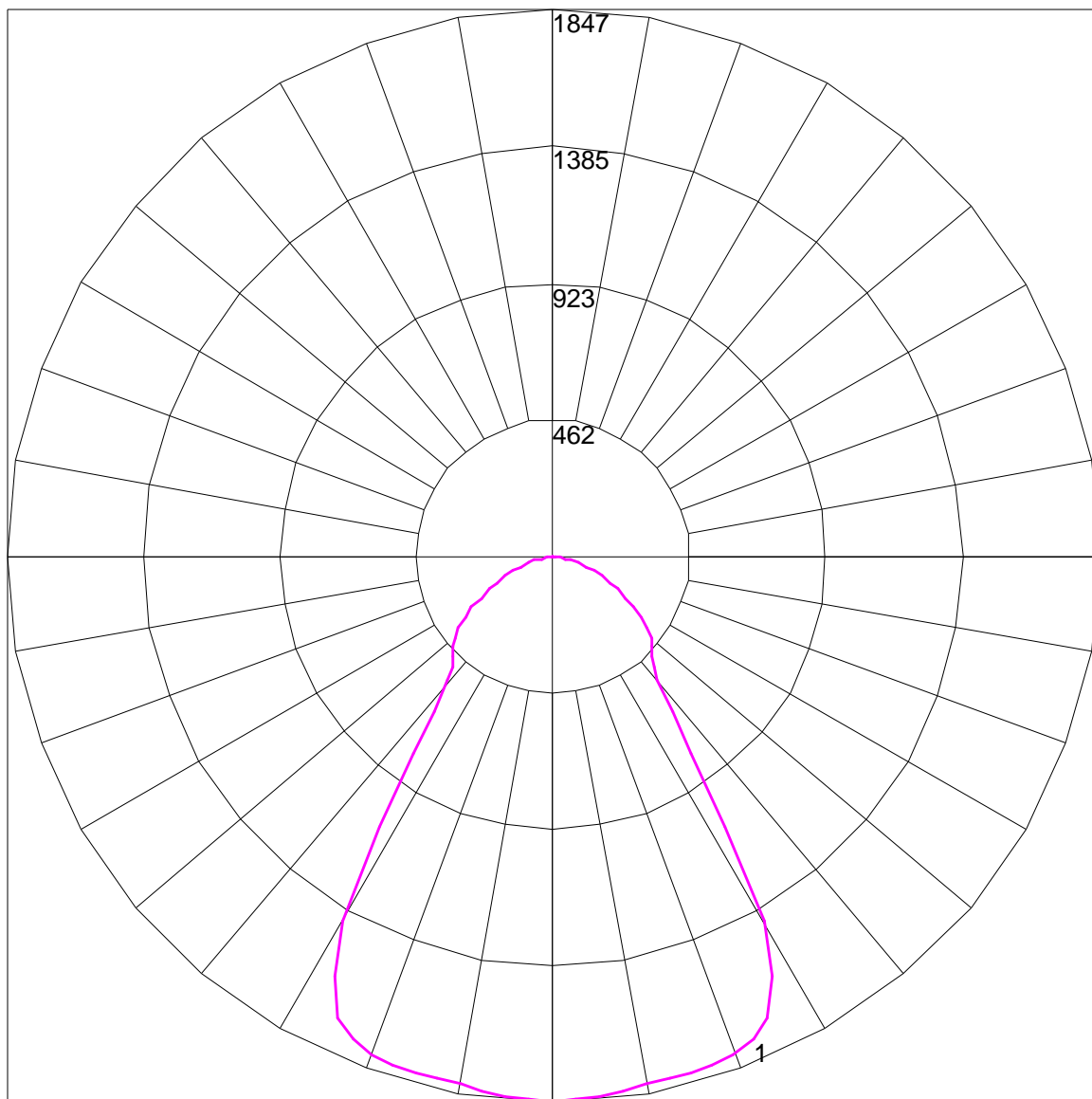
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	42	37	46	41	37	36

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00572_1 ~ TD1617GV-55L35K-EX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 1846.87 Located At Horizontal Angle = 225, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)