

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00725_M-15L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 10/30/2018
 [UPDATE] 12/31/2018
 [LUMCAT] TT1811GV-15L-35K-EX-MWI-PT-TF2
 [LUMINAIRE] Nom 18.4" diam reflector x 11.4" H, Tip Top decorative luminaire
 [OTHER] Matte White interior finish
 [OTHER] Platinum outside finish
 [OTHER] 4" Low profile frosted glass dome
 [OTHER] Beam Angle: 104.4 deg
 [LAMPCAT] N/A, Gen3
 [LAMP] 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+
 [_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	1074
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.53 ft (Diameter)
Luminous Width (90-270)	1.53 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2562	2599	2536
55	1923	1970	1905
65	811	815	811
75	608	628	629
85	351	365	377

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES

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	453.225	453.225	453.225	453.225	453.225	453.225	453.225	453.225	453.225	453.225
2.5	452.480	452.423	453.581	453.962	454.263	453.389	453.103	452.548	452.541	452.262
5.0	450.305	451.077	452.988	453.544	453.673	453.314	451.752	451.237	450.393	450.278
7.5	447.831	448.961	451.470	451.746	452.714	451.185	449.651	448.499	447.630	447.448
10.0	444.642	446.598	448.930	449.830	450.034	448.680	446.830	445.723	444.155	443.960
12.5	441.523	443.991	446.509	447.616	447.370	445.746	443.730	441.882	440.473	439.857
15.0	438.555	440.689	444.205	444.683	444.767	442.745	439.657	437.995	435.950	435.325
17.5	434.473	436.759	439.928	440.152	441.176	438.332	435.252	433.345	431.219	429.928
20.0	428.221	430.004	433.851	433.682	434.247	433.745	428.515	428.336	424.260	423.989
22.5	420.219	420.957	424.555	423.387	425.806	423.441	421.088	419.113	416.814	415.713
25.0	409.176	410.078	412.574	411.887	412.766	412.615	409.642	409.578	406.038	406.086
27.5	397.498	397.841	400.377	398.199	399.549	399.232	397.133	397.360	394.659	394.886
30.0	384.815	385.672	388.017	384.871	385.865	385.672	384.439	385.113	382.396	382.874
32.5	372.405	373.547	376.007	372.129	372.520	372.415	371.703	372.652	370.005	370.801
35.0	360.389	361.324	364.237	359.819	359.971	359.171	358.685	360.213	358.066	358.701
37.5	348.128	349.043	352.213	348.150	347.205	345.937	345.615	347.895	346.183	346.785
40.0	335.549	336.557	340.032	335.774	333.974	332.702	332.719	335.514	334.158	334.948
42.5	322.759	323.959	327.292	322.443	320.507	319.023	319.852	322.841	322.119	323.101
45.0	309.721	310.401	314.241	308.250	306.589	305.274	305.338	309.664	308.901	311.250
47.5	294.080	296.364	298.332	293.010	290.488	289.414	290.615	294.388	295.612	296.340
50.0	275.624	269.728	280.957	268.780	270.669	272.143	264.358	273.482	268.732	280.445
52.5	240.300	237.525	242.002	234.570	238.468	231.738	236.956	232.598	241.315	241.160
55.0	188.538	188.130	193.201	190.540	186.784	190.691	183.390	189.028	184.752	195.083
57.5	142.677	131.909	147.007	136.542	140.588	141.859	127.915	137.220	128.194	147.326
60.0	102.075	97.728	101.865	98.152	102.142	95.930	97.649	93.542	97.483	99.151
62.5	74.940	71.366	76.743	74.045	73.913	75.524	68.490	72.473	67.334	74.627
65.0	58.619	56.280	58.887	57.161	58.580	56.452	55.240	54.303	53.849	55.182
67.5	46.955	44.036	47.732	45.396	46.698	46.041	42.624	43.102	41.017	43.832
70.0	37.706	37.188	38.359	37.966	37.637	36.900	35.753	34.384	34.064	33.896
72.5	32.029	31.170	33.177	31.950	32.490	31.807	29.531	29.487	27.958	29.173
75.0	26.888	26.466	27.784	27.115	27.831	26.797	25.007	24.551	23.771	24.647
77.5	22.125	20.734	22.216	21.440	22.433	21.864	19.849	19.659	19.232	20.154
80.0	16.805	14.730	16.705	15.476	16.612	16.280	14.546	15.260	14.477	15.537
82.5	10.795	9.018	10.988	9.877	11.190	10.674	9.624	9.643	9.542	10.644
85.0	5.228	3.866	5.439	4.428	5.624	5.526	4.094	4.736	4.288	5.646
87.5	1.280	0.578	1.262	0.814	1.379	1.645	0.817	1.347	1.198	2.061
90.0	0.000	0.000	0.000	0.000	0.000	0.244	0.218	0.307	0.271	0.292
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES

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	453.225	453.225	453.225	453.225	453.225	453.225	453.225
2.5	451.824	452.361	452.085	450.968	451.642	452.001	452.480
5.0	449.347	450.387	449.064	448.536	449.256	450.136	450.305
7.5	445.990	446.438	445.771	444.811	446.205	446.648	447.831
10.0	442.068	441.952	441.169	440.808	441.919	443.121	444.642
12.5	437.765	437.262	436.404	435.853	437.677	439.026	441.523
15.0	432.986	432.523	431.594	430.915	433.511	434.885	438.555
17.5	427.914	427.728	426.779	426.032	428.583	430.244	434.473
20.0	421.080	422.921	419.963	420.143	422.491	425.066	428.221
22.5	413.258	414.065	413.015	411.579	414.398	415.422	420.219
25.0	402.983	404.513	402.051	402.048	403.514	405.387	409.176
27.5	391.479	392.469	390.924	390.212	392.074	392.808	397.498
30.0	379.429	380.071	379.165	378.336	379.924	380.287	384.815
32.5	367.128	368.066	367.395	366.374	367.892	368.085	372.405
35.0	355.186	356.104	355.757	354.710	355.994	355.878	360.389
37.5	343.390	344.564	344.121	343.612	343.998	343.645	348.128
40.0	331.707	333.058	332.531	332.350	331.901	331.349	335.549
42.5	320.065	321.734	320.943	320.803	319.803	318.808	322.759
45.0	307.941	310.421	309.371	308.502	307.705	305.845	309.721
47.5	295.662	295.907	296.572	295.034	292.421	291.409	294.080
50.0	269.442	281.301	269.641	270.937	274.382	270.951	275.624
52.5	239.330	236.865	239.635	231.605	237.891	232.289	240.300
55.0	187.730	192.180	182.609	186.354	186.827	190.350	188.538
57.5	131.013	142.473	128.719	133.475	141.447	139.755	142.677
60.0	97.416	94.003	96.870	94.173	100.164	97.429	102.075
62.5	68.676	73.195	67.709	70.629	73.481	75.034	74.940
65.0	53.413	53.082	53.722	53.471	56.180	56.532	58.619

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES

CANDELA TABULATION - (Cont.)

67.5	40.485	42.914	41.124	42.272	44.706	44.923	46.955
70.0	33.851	33.633	33.892	34.893	35.736	36.775	37.706
72.5	27.987	28.670	28.028	29.168	30.772	31.225	32.029
75.0	23.733	24.060	24.177	24.678	25.835	26.143	26.888
77.5	19.348	19.894	19.525	19.786	20.620	20.992	22.125
80.0	14.765	15.010	14.524	14.541	15.349	15.619	16.805
82.5	9.568	9.979	9.285	9.249	10.567	9.965	10.795
85.0	4.846	5.201	4.173	4.337	5.511	4.851	5.228
87.5	0.968	1.633	1.024	0.932	1.523	0.895	1.280
90.0	0.282	0.234	0.358	0.000	0.000	0.000	0.000
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	166.47	N.A.	15.50
0-30	354.04	N.A.	33.00
0-40	578.61	N.A.	53.90
0-60	981.95	N.A.	91.40
0-80	1067.77	N.A.	99.40
0-90	1074.26	N.A.	100.00
10-90	1031.41	N.A.	96.00
20-40	412.14	N.A.	38.40
20-50	649.23	N.A.	60.40
40-70	462.23	N.A.	43.00
60-80	85.82	N.A.	8.00
70-80	26.92	N.A.	2.50
80-90	6.49	N.A.	0.60
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	1074.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.85
10-20	123.62
20-30	187.57
30-40	224.57
40-50	237.09
50-60	166.25
60-70	58.90
70-80	26.92
80-90	6.49
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES

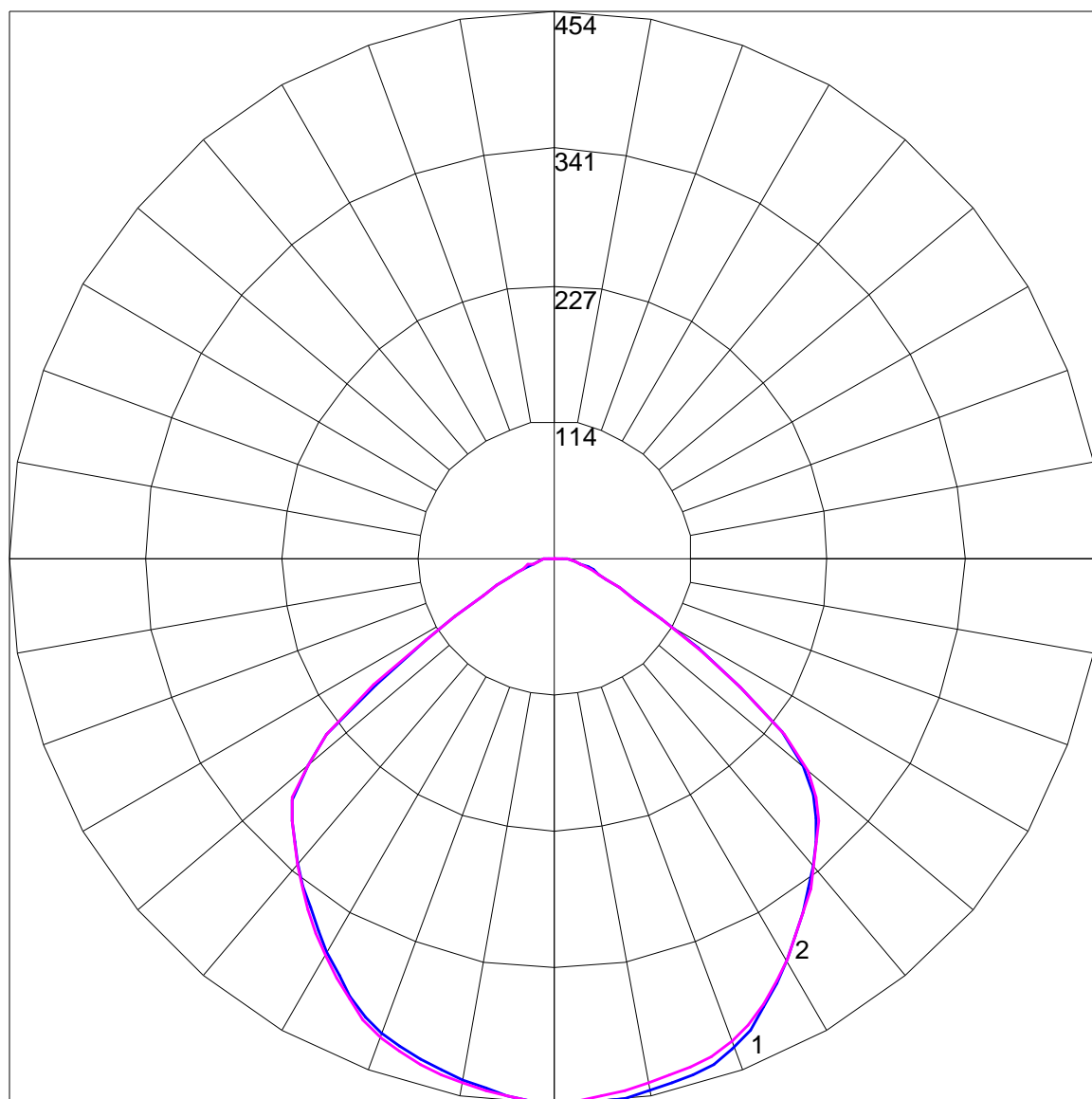
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	100	108	105	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	42	67	56	48	42	54	47	42	53	46	42	51	46	41	39
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-15L35KEX-MWI-PT-TF2.IES

POLAR GRAPH



Maximum Candela = 454.263 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)