

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00672 ~ ON3012GV-15L35K-EX-MWI.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00672_M-15L
 [TESTLAB] Spectrum Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/20/2018
 [UPDATE] 5/25/2018
 [LUMCAT] ON3012GV-15L-35K-EX-MWI
 [LUMINAIRE] Nom. 30" diam x 11.5" H, Orion luminaire
 [OTHER] Regressed, 11" diam. frosted glass globe
 [OTHER] Reflector: Matte White interior finish
 [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	1077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	2.50 ft (Diameter)
Luminous Width (90-270)	2.50 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00672 ~ ON3012GV-15L35K-EX-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	909	896	884
55	843	739	682
65	439	336	290
75	236	175	155
85	164	70	43

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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	451.202	451.202	451.202	451.202	451.202	451.202	451.202	451.202	451.202	451.202
2.5	450.205	449.885	447.998	447.593	445.903	442.751	445.324	447.825	450.236	451.961
5.0	446.979	445.181	442.677	442.054	440.729	435.937	439.127	442.703	447.037	449.084
7.5	440.304	438.436	435.490	434.653	433.095	427.701	431.045	434.685	440.058	443.122
10.0	433.270	430.712	427.629	426.950	425.173	418.704	421.905	426.098	432.833	435.714
12.5	424.906	422.511	418.933	418.101	416.246	409.001	412.562	416.439	423.143	426.708
15.0	416.347	414.134	410.072	409.143	407.108	399.384	403.127	406.739	413.424	417.345
17.5	407.249	404.941	401.046	400.204	397.406	389.833	393.197	396.978	403.511	407.661
20.0	397.988	395.510	391.719	391.249	387.722	380.653	383.092	387.024	393.586	398.033
22.5	388.367	385.777	382.142	381.014	378.072	371.701	373.628	376.828	383.547	388.448
25.0	378.573	375.980	372.330	370.837	368.534	362.315	364.333	366.872	373.582	378.174
27.5	368.473	366.208	362.359	361.498	359.184	352.713	354.859	357.159	364.074	367.490
30.0	358.296	356.440	352.653	352.088	349.552	343.292	345.351	347.755	354.544	357.542
32.5	348.010	346.816	343.091	342.101	339.535	333.941	335.813	338.605	344.913	347.947
35.0	337.721	337.203	333.222	332.085	329.419	324.324	326.271	329.047	335.246	338.426
37.5	327.428	326.567	323.218	321.921	319.194	314.628	316.367	319.213	325.468	328.933
40.0	316.576	315.897	312.351	311.548	308.819	304.153	306.440	308.992	315.453	318.419
42.5	305.194	304.861	301.195	300.390	298.309	293.507	295.451	298.562	304.858	307.613
45.0	293.359	293.638	289.184	288.406	285.395	280.130	284.220	286.523	293.655	296.065
47.5	281.171	280.153	276.958	274.079	270.699	266.353	267.598	273.790	281.266	284.360
50.0	266.125	265.326	255.541	254.573	246.578	238.840	249.285	252.223	265.351	269.648
52.5	249.270	241.430	232.464	223.729	216.843	210.100	214.546	227.672	243.961	254.507
55.0	220.625	214.612	193.587	188.859	178.462	167.841	179.041	189.539	214.364	223.320
57.5	186.045	174.304	152.947	146.915	135.935	125.499	138.784	148.015	174.359	190.891
60.0	148.958	135.822	118.182	110.640	103.274	96.684	101.547	114.005	136.968	151.284
62.5	110.868	103.549	83.734	82.459	74.357	68.754	77.055	81.328	102.294	111.898
65.0	84.732	75.280	64.873	60.348	56.014	52.725	55.449	62.232	75.974	86.537
67.5	62.251	56.789	46.929	45.040	40.654	37.972	42.238	44.775	56.536	62.680
70.0	48.171	41.772	36.272	33.680	31.287	29.183	31.297	34.735	42.683	48.366
72.5	35.993	31.075	27.159	24.807	23.284	22.053	23.618	25.911	31.441	36.189
75.0	27.887	24.252	20.680	19.695	18.272	17.070	18.534	20.076	24.511	27.262
77.5	21.615	18.766	16.124	14.954	13.872	12.991	14.131	15.427	18.887	21.287
80.0	16.441	13.819	11.616	10.383	9.679	8.856	9.195	11.005	14.420	16.150
82.5	11.469	9.479	6.805	6.389	5.304	4.620	5.104	6.513	8.910	11.350
85.0	6.514	4.464	2.767	2.070	1.699	1.253	1.487	2.814	4.688	6.756
87.5	2.344	1.176	0.574	0.399	0.329	0.287	0.239	0.385	1.372	2.503
90.0	0.276	0.139	0.310	0.125	0.257	0.212	0.082	0.181	0.120	0.344
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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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	451.202	451.202	451.202	451.202	451.202	451.202	451.202
2.5	452.318	451.898	450.409	450.257	450.801	451.315	450.205
5.0	450.444	450.391	449.598	449.597	449.340	449.455	446.979
7.5	445.318	444.508	443.615	445.534	444.659	443.815	440.304
10.0	438.827	437.974	437.211	439.500	438.445	437.253	433.270
12.5	430.221	429.845	428.694	431.905	430.763	429.165	424.906
15.0	420.935	421.124	420.105	423.571	422.390	420.813	416.347
17.5	411.227	411.253	410.778	414.994	413.479	411.671	407.249
20.0	401.415	401.404	401.438	406.328	404.435	402.442	397.988
22.5	391.489	391.589	391.921	396.879	395.306	393.390	388.367
25.0	381.544	381.823	382.394	387.214	385.651	384.343	378.573
27.5	371.710	372.117	372.795	377.225	375.728	374.499	368.473
30.0	361.887	362.191	363.155	367.169	365.723	364.611	358.296
32.5	352.002	352.036	353.332	357.251	355.684	353.964	348.010
35.0	342.114	342.037	343.419	347.351	345.358	343.295	337.721
37.5	332.256	332.172	333.202	336.526	334.941	332.438	327.428
40.0	322.325	321.699	322.710	325.636	324.150	321.566	316.576
42.5	311.149	310.808	311.506	314.523	313.273	310.613	305.194
45.0	299.919	299.544	300.013	303.364	301.370	299.365	293.359
47.5	288.220	288.072	287.934	290.994	289.308	286.968	281.171
50.0	275.797	274.680	275.072	278.417	275.788	273.651	266.125
52.5	259.495	260.428	260.920	263.627	262.127	257.674	249.270
55.0	239.596	236.998	241.000	247.020	239.247	236.777	220.625
57.5	205.863	210.399	213.442	218.445	215.759	204.530	186.045
60.0	171.004	173.310	180.515	188.002	176.575	170.201	148.958
62.5	132.866	133.414	141.758	149.307	137.919	132.091	110.868
65.0	99.223	103.737	109.108	113.536	107.223	99.761	84.732

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CANDELA TABULATION - (Cont.)

67.5	75.207	75.958	81.780	86.756	78.782	75.557	62.251
70.0	56.125	59.673	62.322	64.539	61.387	56.891	48.171
72.5	42.575	45.069	46.655	49.051	46.472	42.605	35.993
75.0	32.678	34.437	36.003	37.666	34.888	32.620	27.887
77.5	24.699	26.578	27.535	28.705	27.306	24.758	21.615
80.0	18.911	20.479	21.513	22.567	21.134	19.388	16.441
82.5	13.862	15.361	16.158	16.625	15.845	14.570	11.469
85.0	8.917	9.945	10.967	11.470	10.703	9.356	6.514
87.5	4.252	5.274	5.711	6.683	5.986	4.631	2.344
90.0	0.530	1.195	1.899	0.936	1.587	0.382	0.276
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	158.86	N.A.	14.70
0-30	332.31	N.A.	30.80
0-40	543.20	N.A.	50.40
0-60	955.43	N.A.	88.70
0-80	1069.9	N.A.	99.30
0-90	1077.26	N.A.	100.00
10-90	1035.19	N.A.	96.10
20-40	384.34	N.A.	35.70
20-50	610.09	N.A.	56.60
40-70	497.05	N.A.	46.10
60-80	114.46	N.A.	10.60
70-80	29.64	N.A.	2.80
80-90	7.37	N.A.	0.70
90-110	0.07	N.A.	0.00
90-120	0.07	N.A.	0.00
90-130	0.07	N.A.	0.00
90-150	0.07	N.A.	0.00
90-180	0.07	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1077.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.08
10-20	116.78
20-30	173.45
30-40	210.89
40-50	225.75
50-60	186.48
60-70	84.82
70-80	29.64
80-90	7.37
90-100	0.07
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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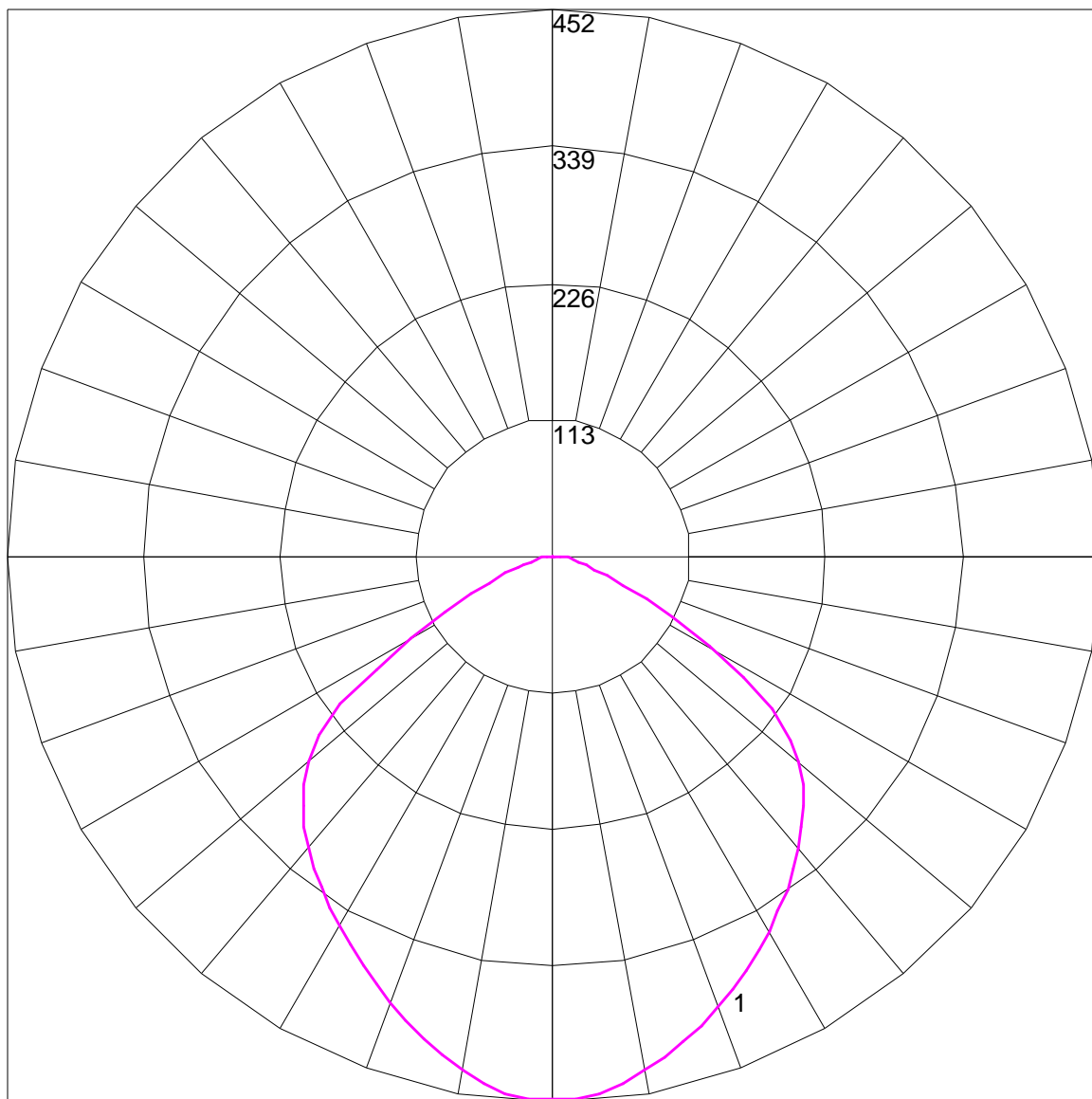
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	106	103	99	108	104	101	98	100	97	95	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64
4	86	74	66	60	83	73	65	60	71	64	59	68	63	58	66	61	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	54	50	48
6	73	60	52	46	71	59	51	45	58	50	45	56	50	45	54	49	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	45	40	50	44	39	38
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

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POLAR GRAPH



Maximum Candela = 452.318 Located At Horizontal Angle = 225, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)