

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00338_3 ~ EB1214GV-15L35KEX-TF1-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00338_3_M-15L

[TESTLAB] Spectrum Photometric Lab VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/20/2018

[UPDATE] 4/26/2018

[LUMCAT] EB1214GV-15L-35K-EX-TF1-MWI

[LUMINAIRE] Nom. 12" diam x 12.1" H, Angled Emblem Sign Light

[OTHER] Regressed, 4" diam. low profile frosted glass diffuser

[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 27L

[CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1251
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	0.70
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.03 ft (Diameter)
Luminous Width (90-270)	1.03 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00338_3 ~ EB1214GV-15L35KEX-TF1-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7403	125	15
55	6266	52	10
65	1807	25	19
75	1507	24	31
85	2649	78	77

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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	527.443	527.443	527.443	527.443	527.443	527.443	527.443	527.443	527.443	527.443
2.5	526.451	526.816	526.213	525.141	525.027	524.639	525.286	524.815	525.414	527.536
5.0	526.508	525.654	522.448	520.996	520.809	520.320	521.220	522.099	523.599	526.472
7.5	526.251	524.350	519.078	516.603	516.516	515.603	517.027	519.263	521.560	525.183
10.0	525.223	520.484	516.282	511.088	511.745	509.934	510.638	513.565	518.044	522.604
12.5	523.401	516.523	511.857	505.490	499.029	490.168	502.182	507.819	514.375	519.762
15.0	520.097	511.841	505.641	479.316	453.293	445.302	474.560	501.616	508.772	515.960
17.5	515.882	506.721	495.926	447.896	385.510	364.419	433.966	492.929	503.050	511.912
20.0	510.391	499.540	483.230	339.284	255.416	234.524	325.869	471.450	495.568	507.217
22.5	504.259	491.848	434.136	231.225	142.396	129.772	218.899	436.063	487.880	501.515
25.0	497.445	482.562	361.162	127.121	64.234	51.088	115.728	352.212	478.377	493.882
27.5	489.798	471.370	268.650	39.656	14.746	13.386	37.905	263.828	467.471	485.428
30.0	481.454	455.937	166.568	23.015	10.272	9.034	21.394	164.370	449.672	475.776
32.5	471.686	423.190	93.885	9.892	6.795	6.051	9.603	84.756	422.006	465.536
35.0	461.015	361.026	31.795	6.906	4.504	3.913	6.340	40.761	361.850	454.633
37.5	448.886	291.339	16.342	4.556	2.846	2.634	4.279	14.342	295.780	442.868
40.0	436.069	211.997	12.619	3.570	1.763	1.747	3.850	12.379	215.702	430.363
42.5	422.196	139.469	9.689	2.618	1.132	1.195	3.023	10.259	142.049	416.411
45.0	407.950	73.707	6.881	1.719	0.824	0.758	1.776	7.974	79.609	401.502
47.5	390.859	37.824	5.263	1.080	0.683	0.694	1.031	6.176	38.829	385.029
50.0	373.087	24.879	3.734	0.752	0.633	0.715	0.694	4.779	26.976	367.773
52.5	328.577	18.517	3.027	0.638	0.550	0.716	0.596	3.415	19.723	329.492
55.0	280.100	15.969	2.312	0.724	0.454	0.715	0.647	2.073	17.217	283.565
57.5	218.668	13.841	1.414	0.729	0.517	0.618	0.657	1.352	14.654	225.160
60.0	156.357	11.897	0.639	0.676	0.625	0.518	0.648	0.924	12.047	163.580
62.5	106.679	9.869	0.747	0.708	0.633	0.586	0.683	0.783	10.118	113.322
65.0	59.528	7.815	0.809	0.786	0.622	0.649	0.732	0.739	8.606	64.892
67.5	48.128	5.848	0.665	0.720	0.646	0.660	0.762	0.712	6.815	50.534
70.0	37.724	3.899	0.545	0.596	0.675	0.671	0.786	0.690	4.897	38.802
72.5	33.993	2.459	0.494	0.624	0.652	0.682	0.815	0.689	3.346	35.574
75.0	30.389	1.081	0.478	0.696	0.627	0.674	0.844	0.692	1.915	32.496
77.5	27.302	0.763	0.536	0.689	0.610	0.595	0.740	0.680	1.222	30.319
80.0	24.232	0.500	0.561	0.666	0.590	0.535	0.628	0.668	0.696	27.976
82.5	21.205	0.527	0.532	0.731	0.547	0.526	0.668	0.720	0.639	24.457
85.0	17.990	0.551	0.531	0.805	0.520	0.525	0.702	0.768	0.645	20.804
87.5	14.382	0.548	0.563	0.705	0.574	0.540	0.670	0.745	0.682	16.556
90.0	10.892	0.554	0.635	0.600	0.619	0.547	0.647	0.737	0.721	12.383
92.5	7.586	0.603	0.744	0.528	0.640	0.540	0.677	0.821	0.776	8.433
95.0	4.658	0.652	0.759	0.476	0.657	0.596	0.747	0.873	0.810	4.973
97.5	2.187	0.692	0.705	0.609	0.666	0.725	0.966	0.796	0.602	2.560
100.0	0.912	0.716	0.688	0.731	0.668	0.759	1.080	0.715	0.444	0.980
102.5	0.739	0.698	0.692	0.795	0.657	0.709	0.904	0.621	0.582	0.764
105.0	0.667	0.693	0.689	0.856	0.647	0.679	0.751	0.576	0.694	0.626
107.5	0.665	0.713	0.685	0.909	0.636	0.662	0.646	0.631	0.713	0.583
110.0	0.672	0.752	0.681	0.939	0.631	0.749	0.566	0.758	0.759	0.533
112.5	0.684	0.819	0.678	0.914	0.634	0.889	0.524	0.995	0.875	0.474
115.0	0.642	0.796	0.658	0.886	0.654	0.843	0.516	1.031	0.896	0.539
117.5	0.579	0.672	0.635	0.855	0.688	0.725	0.545	0.834	0.730	0.694
120.0	0.622	0.611	0.599	0.837	0.740	0.708	0.678	0.745	0.653	0.704
122.5	0.694	0.603	0.563	0.838	0.805	0.717	0.904	0.756	0.709	0.634
125.0	0.666	0.595	0.572	0.885	0.739	0.686	0.916	0.799	0.696	0.685

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CANDELA TABULATION - (Cont.)

127.5	0.620	0.587	0.586	0.979	0.614	0.647	0.779	0.866	0.606	0.786
130.0	0.624	0.663	0.652	0.961	0.687	0.652	0.776	0.854	0.550	0.757
132.5	0.633	0.779	0.716	0.853	0.825	0.659	0.846	0.801	0.524	0.689
135.0	0.669	0.766	0.758	0.824	0.745	0.764	0.869	0.813	0.589	0.774
137.5	0.705	0.706	0.778	0.845	0.618	0.864	0.876	0.851	0.716	0.888
140.0	0.692	0.641	0.682	0.762	0.564	0.807	0.881	0.778	0.725	0.845
142.5	0.676	0.574	0.622	0.633	0.521	0.770	0.885	0.674	0.674	0.786
145.0	0.643	0.592	0.682	0.702	0.685	0.886	0.985	0.619	0.689	0.798
147.5	0.615	0.625	0.744	0.839	0.857	0.957	1.102	0.572	0.729	0.810
150.0	0.608	0.728	0.814	0.752	0.904	0.826	0.948	0.605	0.821	0.729
152.5	0.614	0.837	0.835	0.614	0.948	0.713	0.771	0.645	0.926	0.657
155.0	0.664	0.759	0.772	0.699	0.945	0.658	0.860	0.677	0.803	0.669
157.5	0.681	0.700	0.708	0.814	0.918	0.649	0.945	0.722	0.643	0.689
160.0	0.634	0.797	0.644	0.837	0.790	0.725	0.950	0.893	0.671	0.731
162.5	0.623	0.846	0.657	0.864	0.722	0.852	0.928	1.004	0.705	0.694
165.0	0.638	0.814	0.693	0.901	0.729	1.011	0.860	1.007	0.748	0.566
167.5	0.634	0.711	0.612	0.866	0.812	0.853	0.738	0.778	0.599	0.627
170.0	0.633	0.678	0.708	0.783	0.777	0.948	0.727	0.729	0.579	0.697
172.5	0.645	0.788	0.849	0.698	0.627	0.955	0.781	0.863	0.839	0.654
175.0	0.775	0.887	0.940	0.772	0.520	0.608	0.715	0.737	0.775	0.516
177.5	0.780	0.794	0.704	0.862	0.833	0.680	0.748	0.821	0.667	0.880
180.0	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573	0.573

**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	527.443	527.443	527.443	527.443	527.443	527.443	527.443
2.5	528.680	529.988	532.201	530.443	530.397	527.960	526.451
5.0	529.256	531.487	534.103	533.006	531.705	529.179	526.508
7.5	529.784	532.871	536.145	535.537	532.959	530.103	526.251
10.0	528.528	533.933	540.316	539.034	533.932	529.557	525.223
12.5	526.789	535.183	544.607	542.640	534.974	528.480	523.401
15.0	523.559	536.811	549.702	548.237	536.248	525.601	520.097
17.5	520.060	537.726	554.161	553.791	537.413	522.630	515.882
20.0	515.948	537.549	555.964	555.791	538.313	519.435	510.391
22.5	511.777	536.102	557.257	557.639	537.975	515.560	504.259
25.0	506.508	533.158	557.074	558.041	535.404	510.469	497.445
27.5	501.077	528.025	556.859	558.018	530.945	504.336	489.798
30.0	492.444	520.898	556.579	555.806	523.922	496.782	481.454
32.5	483.787	512.384	553.823	552.498	515.792	488.356	471.686
35.0	474.934	502.908	547.165	545.434	506.484	479.024	461.015
37.5	465.698	492.925	537.659	536.922	496.679	469.029	448.886
40.0	454.680	482.670	524.701	524.859	486.471	458.503	436.069
42.5	442.967	471.888	510.615	511.999	475.863	446.627	422.196
45.0	429.025	460.900	495.486	497.706	465.008	433.917	407.950
47.5	414.846	448.262	480.124	482.654	452.940	420.871	390.859
50.0	400.127	435.176	464.594	466.544	440.302	407.669	373.087
52.5	384.604	420.385	447.204	450.106	426.028	391.961	328.577
55.0	367.724	405.285	428.800	433.320	411.200	375.414	280.100
57.5	347.099	387.613	409.439	414.691	393.420	355.666	218.668
60.0	321.560	369.698	389.697	394.569	374.953	335.182	156.357
62.5	292.377	338.304	361.490	368.300	346.441	302.851	106.679
65.0	259.550	306.481	330.825	338.145	316.495	268.917	59.528

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67.5	223.548	270.769	295.135	302.940	280.349	233.151	48.128
70.0	185.090	235.212	258.504	265.360	243.830	197.266	37.724
72.5	150.186	200.928	223.920	230.104	208.155	160.795	33.993
75.0	117.388	169.165	189.539	195.631	173.514	125.407	30.389
77.5	99.064	149.197	172.029	175.667	152.556	103.192	27.302
80.0	87.088	133.516	155.645	159.150	134.052	83.344	24.232
82.5	80.925	131.675	154.794	155.744	130.912	78.490	21.205
85.0	76.606	129.307	153.745	154.204	127.786	73.357	17.990
87.5	70.025	125.734	151.019	151.008	124.715	67.134	14.382
90.0	62.956	122.074	148.376	147.708	121.331	60.717	10.892
92.5	57.295	118.264	146.158	145.167	117.081	53.783	7.586
95.0	51.807	113.762	143.765	142.589	112.183	47.942	4.658
97.5	46.892	108.347	140.798	139.530	105.987	44.306	2.187
100.0	41.973	100.832	136.576	135.986	98.444	39.944	0.912
102.5	35.343	91.209	129.380	129.322	88.825	34.493	0.739
105.0	28.731	80.621	120.468	121.640	78.905	28.507	0.667
107.5	22.322	69.284	108.513	109.841	68.631	21.909	0.665
110.0	15.811	60.098	95.467	97.181	59.983	14.745	0.672
112.5	8.706	52.193	80.962	82.145	52.787	7.070	0.684
115.0	2.843	43.451	66.855	68.879	43.936	3.004	0.642
117.5	1.570	34.341	53.160	59.211	33.928	1.403	0.579
120.0	0.639	24.570	40.979	48.955	24.124	0.802	0.622
122.5	0.586	14.589	30.010	37.795	14.427	0.719	0.694
125.0	0.613	7.867	19.907	26.596	7.634	0.737	0.666
127.5	0.792	1.850	10.326	15.352	1.950	0.794	0.620
130.0	0.877	1.170	5.035	7.494	0.646	0.772	0.624
132.5	0.823	1.153	1.697	2.701	0.549	0.731	0.633
135.0	0.792	0.828	0.796	0.653	0.622	0.644	0.669
137.5	0.788	0.494	0.703	0.523	0.724	0.549	0.705
140.0	0.744	0.571	0.657	0.529	0.653	0.591	0.692
142.5	0.665	0.650	0.623	0.607	0.567	0.645	0.676
145.0	0.670	0.749	0.653	0.774	0.711	0.667	0.643
147.5	0.729	0.817	0.692	0.976	0.844	0.686	0.615
150.0	0.777	0.702	0.728	0.873	0.682	0.638	0.608
152.5	0.819	0.616	0.764	0.685	0.551	0.605	0.614
155.0	0.771	0.639	0.751	0.635	0.662	0.684	0.664
157.5	0.692	0.670	0.738	0.609	0.760	0.746	0.681
160.0	0.670	0.719	0.728	0.559	0.813	0.752	0.634
162.5	0.662	0.760	0.747	0.548	0.788	0.782	0.623
165.0	0.677	0.795	0.815	0.660	0.678	0.838	0.638
167.5	0.757	0.798	0.793	0.728	0.647	0.694	0.634
170.0	0.880	0.830	0.754	0.748	0.617	0.618	0.633
172.5	0.966	0.877	0.735	0.744	0.570	0.671	0.645
175.0	0.763	0.838	0.751	0.799	0.565	0.702	0.775
177.5	0.650	0.675	0.826	0.745	0.650	0.672	0.780
180.0	0.573	0.573	0.573	0.573	0.573	0.573	0.573

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Zone	Lumens	%Lamp	%Fixt
0-20	191.80	N.A.	15.30
0-30	371.81	N.A.	29.70
0-40	559.82	N.A.	44.70
0-60	910.87	N.A.	72.80
0-80	1105.43	N.A.	88.30
0-90	1156.88	N.A.	92.50
10-90	1106.75	N.A.	88.40
20-40	368.02	N.A.	29.40
20-50	551.14	N.A.	44.00
40-70	473.85	N.A.	37.90
60-80	194.57	N.A.	15.50
70-80	71.76	N.A.	5.70
80-90	51.44	N.A.	4.10
90-110	73.33	N.A.	5.90
90-120	88.41	N.A.	7.10
90-130	92.67	N.A.	7.40
90-150	93.80	N.A.	7.50
90-180	94.43	N.A.	7.50
110-180	21.10	N.A.	1.70
0-180	1251.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.13
10-20	141.67
20-30	180.00
30-40	188.02
40-50	183.12
50-60	167.92
60-70	122.80
70-80	71.76
80-90	51.44
90-100	42.79
100-110	30.54
110-120	15.08
120-130	4.26
130-140	0.68
140-150	0.45
150-160	0.34
160-170	0.21
170-180	0.07

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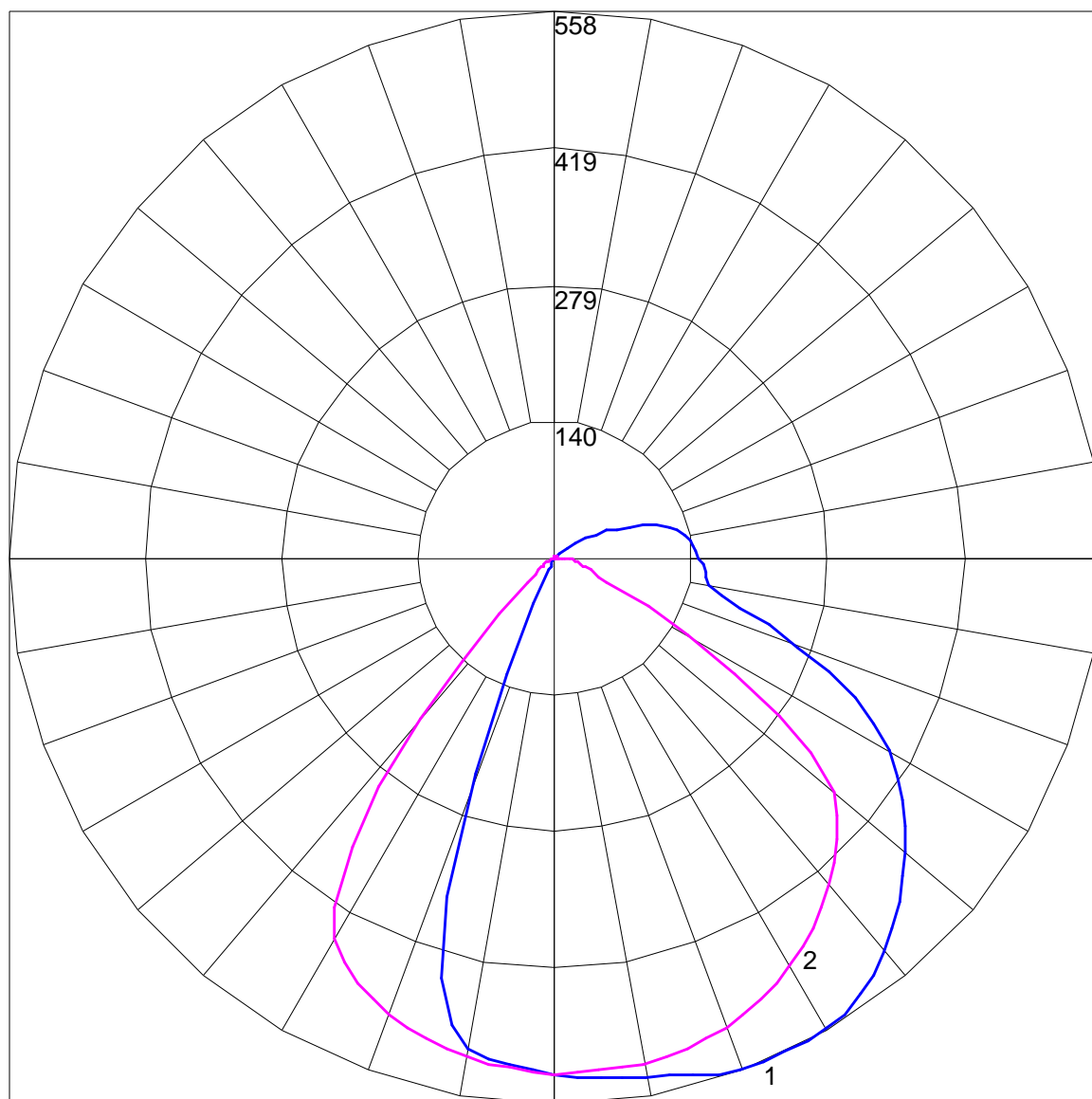
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	107	102	97	93	103	99	95	91	93	90	87	88	85	83	83	81	79	76
2	97	89	82	77	94	87	80	75	82	77	72	77	73	70	73	70	67	64
3	89	79	71	64	86	77	69	63	73	66	61	69	64	59	65	61	57	55
4	82	70	62	55	79	68	61	54	65	58	53	62	56	51	59	54	50	48
5	76	63	54	48	73	62	53	47	59	52	46	56	50	45	53	48	44	42
6	70	57	49	42	68	56	48	42	53	46	41	51	45	40	49	43	39	37
7	65	52	44	38	63	51	43	37	49	42	37	47	40	36	45	39	35	33
8	61	48	40	34	59	47	39	34	45	38	33	43	37	32	41	36	32	30
9	57	44	36	31	55	43	36	31	42	35	30	40	34	29	38	33	29	27
10	54	41	33	28	52	40	33	28	39	32	27	37	31	27	36	30	27	25

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00338_3 ~ EB1214GV-15L35KEX-TF1-MWI.IES

POLAR GRAPH



Maximum Candela = 558.041 Located At Horizontal Angle = 292.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)