

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00666 ~ RW2007GV-27L35K-EX-TF1.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00666
 [TESTLAB] Spectrum Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/20/2018
 [UPDATE] 4/26/2018
 [LUMCAT] RW2007GV-27L-35K-EX-TF1-MW
 [LUMINAIRE] Nom. 10" diam x 8" H, Classic RLM Radial Wave
 [OTHER] Regressed, 4" diam. low profile frosted glass diffuser
 [OTHER] Reflector: Matte White interior finish
 [OTHER] Beam Angle: 100 degrees
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] This report generated by Spectrum Lighting
 [_CRI]85+
 [_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT] 0.573

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.67 ft (Diameter)
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00666 ~ RW2007GV-27L35K-EX-TF1.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3193	3155	3149
55	2943	2875	2876
65	2579	2504	2507
75	2384	2351	2315
85	3832	3806	3671

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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	789.925	789.925	789.925	789.925	789.925	789.925	789.925	789.925	789.925	789.925
2.5	789.387	790.031	790.994	788.939	790.798	787.262	788.469	788.034	786.929	788.552
5.0	785.537	785.163	786.902	785.398	786.110	782.585	783.724	782.755	782.345	780.872
7.5	777.201	778.443	780.907	778.822	780.343	773.382	776.497	774.415	774.769	770.877
10.0	766.542	768.285	769.046	769.309	768.217	761.549	764.665	761.868	765.298	757.679
12.5	753.393	756.116	755.018	755.884	754.728	745.264	750.715	746.807	750.020	743.382
15.0	736.580	740.625	737.231	739.107	736.272	727.840	733.371	729.312	731.511	724.815
17.5	716.288	723.047	718.284	719.484	716.989	708.695	713.941	710.543	711.409	705.033
20.0	697.019	702.478	697.269	697.703	694.371	687.050	691.609	690.151	690.546	683.029
22.5	678.598	681.258	675.718	674.888	671.316	662.119	669.517	669.031	668.587	660.513
25.0	657.507	659.228	652.375	651.391	646.780	638.088	647.725	646.823	646.173	636.921
27.5	634.432	636.109	628.651	627.980	622.113	615.088	624.684	624.193	623.001	613.123
30.0	610.775	611.772	604.387	604.619	599.093	591.388	600.285	600.505	599.559	588.627
32.5	586.744	587.697	580.033	582.045	576.157	566.967	575.732	576.467	575.658	564.031
35.0	562.674	563.878	555.514	559.870	552.512	542.598	551.030	552.334	551.621	539.469
37.5	538.582	538.978	530.972	536.093	528.853	518.277	525.842	528.175	526.070	514.912
40.0	513.194	513.143	505.916	511.621	505.190	493.327	500.240	501.175	500.144	489.909
42.5	487.162	486.317	480.813	486.295	481.350	467.886	473.717	473.533	473.725	464.876
45.0	459.945	458.731	454.357	460.650	453.561	441.118	446.511	445.103	447.206	438.215
47.5	432.225	430.778	427.834	432.102	425.711	413.420	417.514	416.528	418.487	411.499
50.0	403.777	402.580	397.474	402.628	397.089	384.732	387.342	387.340	389.427	383.635
52.5	375.069	372.709	367.026	372.146	368.092	355.441	357.336	358.069	359.298	355.678
55.0	343.786	341.859	335.891	341.399	335.988	324.623	327.423	328.217	329.041	324.610
57.5	311.703	311.135	304.801	309.429	304.040	293.001	297.175	298.305	299.085	293.600
60.0	280.605	280.477	274.598	277.188	273.064	262.958	266.761	269.106	269.153	263.439
62.5	249.757	251.310	244.488	247.309	242.766	233.649	238.781	239.952	241.766	233.663
65.0	221.989	222.797	215.516	217.837	215.797	206.563	211.850	212.438	214.506	207.589
67.5	194.844	196.641	187.685	192.687	189.147	180.333	186.549	185.363	189.055	181.960
70.0	169.448	171.231	165.190	168.142	163.391	157.035	161.754	163.167	164.827	158.239
72.5	145.417	147.458	143.823	145.501	141.068	134.934	141.867	141.975	145.792	137.094
75.0	125.693	126.391	123.919	124.927	122.029	117.083	122.993	122.686	126.444	119.129
77.5	109.087	110.347	107.581	106.750	106.736	101.297	105.711	106.208	107.235	102.438
80.0	94.325	94.275	92.923	90.316	91.119	86.992	90.104	90.717	92.016	88.317
82.5	80.613	79.707	79.813	77.283	76.699	73.486	77.413	76.425	78.513	75.977
85.0	68.031	68.581	67.559	65.929	65.173	62.054	64.025	63.819	63.946	62.752
87.5	55.536	56.397	55.444	55.171	51.373	46.216	47.114	48.259	47.743	46.965
90.0	39.645	25.840	33.840	23.010	31.506	28.388	19.867	28.484	19.290	26.507
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.
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	789.925	789.925	789.925	789.925	789.925	789.925	789.925
2.5	788.078	787.677	789.655	787.572	788.470	787.268	789.387
5.0	780.988	779.917	780.060	783.544	783.132	782.771	785.537
7.5	771.303	767.435	769.053	773.572	775.991	775.651	777.201
10.0	757.095	752.938	754.254	761.326	763.511	765.515	766.542
12.5	741.731	737.022	738.823	746.223	749.198	752.560	753.393
15.0	724.594	718.964	721.953	730.205	731.970	736.776	736.580
17.5	705.178	699.598	703.768	711.977	713.877	719.390	716.288
20.0	682.682	679.109	682.938	693.154	693.314	700.600	697.019
22.5	659.835	658.009	662.262	673.179	672.154	679.929	678.598
25.0	636.575	635.131	641.853	652.949	650.510	657.779	657.507
27.5	612.646	611.422	620.673	631.404	628.773	635.854	634.432
30.0	588.012	588.163	598.317	609.630	607.991	614.084	610.775
32.5	563.192	565.083	576.662	587.760	587.357	591.197	586.744
35.0	538.201	542.056	555.947	565.878	564.935	567.648	562.674
37.5	514.825	519.047	533.231	542.505	542.316	543.792	538.582
40.0	492.750	495.115	508.177	518.991	517.432	519.775	513.194
42.5	468.618	470.917	483.668	494.898	492.379	493.814	487.162
45.0	443.003	444.580	459.725	470.773	464.427	466.975	459.945
47.5	415.793	417.740	432.684	441.619	436.356	439.256	432.225
50.0	387.584	389.083	402.800	412.319	407.718	411.198	403.777
52.5	357.702	360.072	371.673	381.740	379.002	380.801	375.069
55.0	326.915	328.637	339.552	351.172	347.323	349.622	343.786
57.5	296.523	296.842	307.983	320.872	315.767	319.116	311.703
60.0	266.320	266.719	276.805	290.611	286.287	288.796	280.605
62.5	237.344	236.778	246.676	260.900	256.851	257.754	249.757
65.0	208.871	208.687	217.199	231.445	227.854	226.547	221.989

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CANDELA TABULATION - (Cont.)

67.5	182.833	180.940	190.944	203.810	199.699	199.481	194.844
70.0	157.508	157.954	166.154	177.461	175.220	173.335	169.448
72.5	136.519	136.635	145.013	154.228	151.612	151.816	145.417
75.0	117.640	118.975	125.296	134.337	129.106	130.699	125.693
77.5	102.357	102.772	108.080	116.366	111.995	110.102	109.087
80.0	88.440	87.804	91.496	98.445	97.287	96.518	94.325
82.5	74.920	74.296	76.989	83.981	83.833	83.274	80.613
85.0	62.096	61.877	64.567	70.030	70.217	69.830	68.031
87.5	48.268	49.110	50.478	57.472	56.074	58.663	55.536
90.0	21.459	33.114	23.038	21.183	33.812	24.514	39.645
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	279.98	N.A.	14.00
0-30	578.21	N.A.	29.00
0-40	924.93	N.A.	46.30
0-60	1574.53	N.A.	78.90
0-80	1923.21	N.A.	96.30
0-90	1992.8	N.A.	99.80
10-90	1918.67	N.A.	96.10
20-40	644.95	N.A.	32.30
20-50	994.25	N.A.	49.80
40-70	865.27	N.A.	43.30
60-80	348.69	N.A.	17.50
70-80	133.01	N.A.	6.70
80-90	69.59	N.A.	3.50
90-110	3.71	N.A.	0.20
90-120	3.71	N.A.	0.20
90-130	3.71	N.A.	0.20
90-150	3.71	N.A.	0.20
90-180	3.71	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	1996.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.13
10-20	205.85
20-30	298.23
30-40	346.73
40-50	349.30
50-60	300.30
60-70	215.68
70-80	133.01
80-90	69.59
90-100	3.71
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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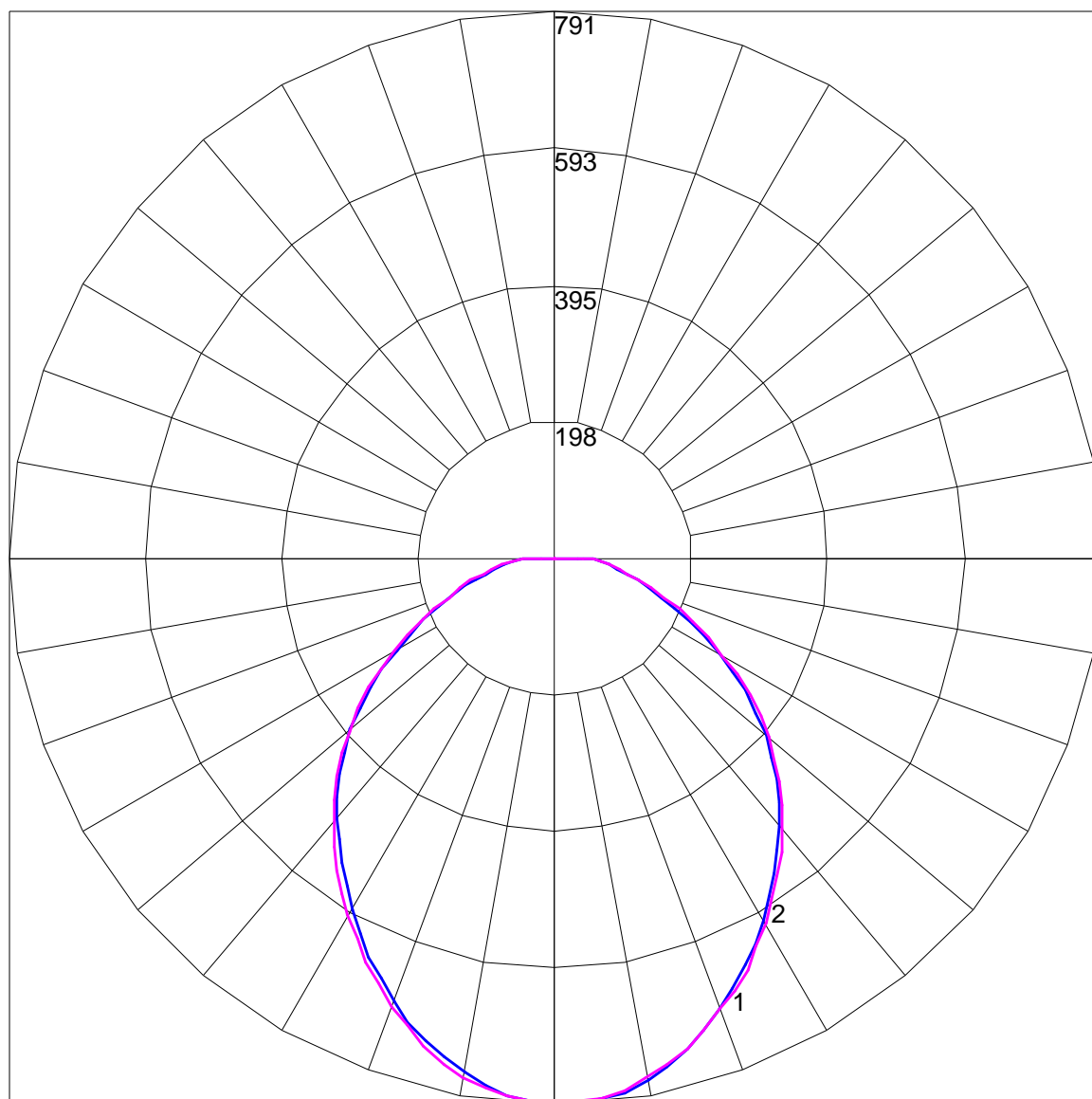
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	54	40	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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POLAR GRAPH



Maximum Candela = 790.994 Located At Horizontal Angle = 45, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)