

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00645 ~ OR1917GV-37L35K-EX-TF2.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00645_1_M-37L
 [TESTLAB] Spectrum Lighting Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/28/2018
 [UPDATE] 7/5/2018
 [LUMCAT] OR1917GV-37L-35K-EX-TF2
 [LUMINAIRE] Nom. 19" diam x 17" H, RLM Classics luminaire
 [OTHER] Light distribution: 95% down / 5% uplight
 [OTHER] Regressed, 6" diam. low profile frosted glass diffuser
 [OTHER] Reflector: Matte White interior finish
 [OTHER] Open aperture reflector
 [OTHER] Beam Angle: 68 degrees
 [OTHER] 95% Downlight; 5% Uplight
 [LAMP] N/A, Gen3
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] This report generated by Spectrum Lighting, scaled from 45L
 [_CCTMULT]27K x 0.971, 30K x 0.985, 40K x 1.03
 [_LAMPMULT]45L x 1.0, 37L x 0.792, 27L x 0.54, 15L x 0.31
 [_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2400
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.94
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.56 ft (Diameter)
Luminous Width (90-270)	1.56 ft (Diameter)
Luminous Height	0.13 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1611	1575	1587
55	1708	1738	1858
65	2725	2686	3032
75	2655	2538	2860
85	2254	2130	2350

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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	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377
2.5	1627.394	1631.932	1631.771	1629.389	1624.332	1569.067	1575.103	1589.030	1597.534	1607.499
5.0	1556.790	1572.278	1548.064	1560.979	1547.203	1493.504	1514.449	1500.219	1523.526	1521.487
7.5	1479.528	1479.405	1461.908	1462.678	1462.635	1412.416	1420.741	1412.917	1428.347	1435.176
10.0	1386.420	1392.212	1369.008	1374.038	1366.503	1327.063	1334.564	1330.015	1344.781	1348.294
12.5	1301.315	1308.736	1283.543	1290.891	1282.211	1254.370	1261.673	1253.011	1267.407	1270.473
15.0	1237.068	1240.814	1220.640	1225.706	1217.826	1192.376	1198.175	1195.399	1207.043	1211.777
17.5	1180.406	1183.718	1164.690	1171.579	1163.933	1145.643	1152.362	1143.513	1156.512	1160.684
20.0	1145.059	1142.538	1131.624	1132.220	1128.849	1112.598	1112.987	1112.126	1120.088	1126.786
22.5	1111.948	1113.135	1099.745	1102.539	1097.455	1083.860	1086.781	1081.863	1092.355	1094.999
25.0	1085.767	1084.459	1072.309	1074.365	1073.360	1059.220	1059.435	1055.995	1064.296	1068.436
27.5	1053.859	1056.370	1039.113	1047.257	1041.106	1020.739	1029.546	1021.558	1036.017	1032.058
30.0	1002.266	998.394	982.287	983.778	991.591	967.858	970.270	948.412	960.261	969.073
32.5	918.061	914.711	897.159	892.525	895.108	842.239	840.742	850.499	850.366	866.716
35.0	711.541	756.540	684.044	727.427	692.153	636.299	689.689	628.509	679.919	649.102
37.5	517.575	530.359	484.645	502.431	506.133	462.465	482.286	424.274	463.200	454.657
40.0	376.452	370.905	357.865	352.542	362.836	326.826	313.166	322.379	324.535	335.178
42.5	254.508	278.040	245.510	268.301	250.158	238.690	254.230	231.107	251.127	236.609
45.0	223.969	221.611	218.899	218.735	220.678	211.469	207.663	211.373	210.261	213.245
47.5	197.556	203.772	195.420	201.816	198.128	195.980	199.624	194.564	198.278	195.082
50.0	193.043	193.661	193.067	193.989	195.915	196.475	196.446	200.379	196.426	197.381
52.5	190.554	192.365	192.228	195.248	198.710	206.142	210.063	207.929	204.115	203.404
55.0	200.508	198.891	204.045	203.505	218.087	229.297	225.951	231.810	218.501	225.921
57.5	211.716	215.032	216.398	219.408	238.198	251.682	250.598	255.000	239.784	247.094
60.0	231.989	231.794	234.031	234.499	260.953	272.842	271.854	269.924	254.535	261.488
62.5	250.213	249.368	250.114	248.649	279.186	284.993	278.755	283.165	262.150	272.196
65.0	251.268	256.165	247.666	251.952	279.577	281.890	281.006	271.144	258.387	262.145
67.5	250.145	247.781	243.946	241.902	274.972	269.887	260.953	258.347	241.427	249.638
70.0	225.417	231.628	218.367	224.278	247.610	241.561	239.064	228.650	219.021	221.017
72.5	200.336	203.656	192.625	196.450	218.944	211.177	207.089	198.915	189.706	192.337
75.0	170.521	174.821	162.955	168.348	183.689	176.694	175.386	167.717	161.440	163.197
77.5	141.002	144.593	133.450	139.851	149.641	144.595	145.373	136.592	134.589	134.508
80.0	116.598	117.382	110.257	113.966	122.620	117.574	116.357	112.306	109.733	109.941
82.5	92.492	95.464	87.093	92.061	96.956	94.022	94.881	88.021	87.782	86.146
85.0	77.247	77.249	72.995	74.430	80.537	78.532	74.753	73.060	70.707	71.639
87.5	62.207	66.073	58.896	63.950	65.407	65.920	66.502	58.209	61.298	57.828
90.0	58.658	57.474	55.019	55.650	60.373	60.628	58.583	54.981	53.761	54.595
92.5	55.105	54.111	51.265	51.240	55.262	55.139	54.140	52.071	49.361	51.242
95.0	50.281	50.171	45.914	46.674	49.393	49.111	49.633	47.252	45.113	45.431
97.5	45.458	44.952	40.512	41.814	43.669	43.481	44.226	42.350	41.141	39.679
100.0	40.330	39.997	36.619	37.241	39.697	39.075	38.877	37.055	36.989	36.209
102.5	35.196	35.676	32.803	33.276	35.690	34.758	34.632	31.731	32.483	32.736
105.0	30.482	31.480	29.496	29.631	31.122	30.736	30.399	28.833	28.686	28.786
107.5	25.782	27.604	26.225	26.709	26.595	26.858	26.481	26.139	26.384	24.836
110.0	21.915	23.629	23.438	23.873	22.943	23.507	22.587	20.311	22.756	21.938
112.5	18.091	19.375	20.696	21.253	19.281	20.216	20.491	14.160	16.083	19.046
115.0	11.371	14.715	17.686	18.760	15.157	17.176	18.394	8.870	10.056	11.803
117.5	4.426	8.777	14.647	16.612	11.060	14.371	14.363	3.692	5.651	4.438
120.0	2.660	3.844	11.887	14.554	9.986	12.643	10.328	2.012	2.178	2.616
122.5	1.380	2.361	9.163	12.758	8.911	10.804	7.773	0.859	1.225	1.038
125.0	1.121	1.224	6.462	10.595	8.197	8.391	5.245	0.858	0.553	1.013

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CANDELA TABULATION - (Cont.)

127.5	0.980	1.439	3.764	7.250	7.488	5.963	3.385	1.052	0.731	1.081
130.0	0.946	1.560	2.750	4.249	4.900	3.439	1.552	1.020	0.872	0.989
132.5	0.928	1.281	2.040	2.483	2.258	1.208	1.302	0.943	0.889	0.883
135.0	1.028	1.050	1.485	1.113	1.666	1.004	1.142	0.924	0.898	0.916
137.5	1.146	1.056	0.961	1.297	1.166	0.819	1.086	0.919	0.881	0.965
140.0	1.239	1.056	1.011	1.417	1.366	0.770	1.037	1.011	0.862	1.063
142.5	1.327	1.029	1.193	1.258	1.616	0.739	0.940	1.127	0.831	1.167
145.0	1.323	1.011	1.117	1.144	1.175	0.893	0.839	1.034	0.847	1.075
147.5	1.301	1.053	0.974	1.255	0.676	1.034	0.927	0.880	1.075	0.954
150.0	1.171	1.095	0.969	1.338	0.828	1.018	1.038	0.838	1.224	0.904
152.5	1.014	1.137	1.004	1.264	1.048	1.013	0.999	0.829	0.980	0.867
155.0	1.194	1.166	1.268	1.185	0.934	1.169	0.939	0.922	0.832	1.085
157.5	1.455	1.112	1.599	1.089	0.782	1.297	0.819	1.045	1.116	1.346
160.0	1.595	1.132	1.273	1.037	1.087	1.267	0.737	1.057	1.327	1.079
162.5	1.643	1.318	0.951	1.075	1.337	1.113	1.065	1.025	1.400	0.878
165.0	1.357	1.400	1.057	1.063	1.433	0.780	1.129	0.860	1.357	0.992
167.5	1.179	1.410	1.131	1.060	1.299	0.901	0.896	0.846	1.213	1.235
170.0	1.134	1.331	1.171	1.194	1.205	0.962	0.961	0.894	0.896	1.340
172.5	1.302	0.942	1.170	0.958	1.284	0.992	0.909	0.906	0.908	1.144
175.0	1.548	1.165	1.135	1.257	1.186	1.174	1.044	1.064	1.214	1.232
177.5	1.163	1.159	0.862	1.297	0.999	1.109	1.015	1.091	0.915	1.275
180.0	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234	1.234

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	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377	1628.377
2.5	1624.679	1622.590	1619.022	1587.337	1596.357	1621.431	1627.394
5.0	1554.197	1544.065	1555.589	1543.322	1538.518	1563.121	1556.790
7.5	1461.258	1462.989	1462.457	1461.158	1463.378	1479.616	1479.528
10.0	1377.652	1376.250	1379.585	1382.794	1376.032	1396.327	1386.420
12.5	1298.403	1297.153	1304.886	1310.530	1303.034	1313.133	1301.315
15.0	1236.616	1236.578	1243.373	1246.870	1241.123	1248.637	1237.068
17.5	1183.701	1183.546	1193.181	1197.928	1191.423	1193.029	1180.406
20.0	1145.326	1150.182	1154.155	1156.483	1151.743	1152.508	1145.059
22.5	1114.842	1119.449	1125.301	1128.716	1118.854	1119.658	1111.948
25.0	1086.924	1096.259	1097.685	1101.110	1091.880	1089.908	1085.767
27.5	1060.515	1065.063	1071.282	1073.833	1055.908	1061.896	1053.859
30.0	995.802	1008.523	1006.562	1021.971	1011.365	1002.385	1002.266
32.5	906.716	914.677	901.339	917.138	894.370	924.044	918.061
35.0	734.152	692.489	736.158	775.029	704.134	756.036	711.541
37.5	505.064	488.770	503.707	545.302	526.457	530.047	517.575
40.0	356.482	357.561	341.933	358.051	362.252	378.294	376.452
42.5	266.740	246.013	265.597	280.077	256.895	278.393	254.508
45.0	217.429	219.315	215.642	218.849	220.561	223.984	223.969
47.5	199.988	196.989	200.065	204.056	198.383	203.352	197.556
50.0	195.036	195.519	192.297	193.100	193.838	193.203	193.043
52.5	200.539	197.336	195.344	193.871	195.070	191.447	190.554
55.0	215.345	217.620	205.414	197.693	204.059	198.666	200.508
57.5	238.664	237.480	226.146	211.849	216.112	213.628	211.716
60.0	255.375	254.655	243.029	224.568	232.608	230.218	231.989
62.5	265.664	268.877	253.693	231.980	242.123	248.300	250.213
65.0	263.853	261.714	255.099	235.413	240.876	252.878	251.268

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CANDELA TABULATION - (Cont.)

67.5	249.569	252.374	240.561	222.377	231.747	244.136	250.145
70.0	227.708	223.251	220.144	207.017	209.474	226.315	225.417
72.5	197.308	194.015	188.567	180.784	185.187	198.847	200.336
75.0	167.955	163.565	158.228	154.747	157.264	170.686	170.521
77.5	139.855	133.561	130.394	129.734	130.824	141.743	141.002
80.0	114.405	109.571	105.182	105.513	107.246	115.478	116.598
82.5	92.322	86.096	85.657	86.053	86.244	92.464	92.492
85.0	75.023	73.022	69.133	67.882	70.646	74.777	77.247
87.5	64.379	60.238	59.841	58.808	58.412	64.070	62.207
90.0	56.252	56.184	52.174	50.420	53.867	56.627	58.658
92.5	51.846	52.114	48.721	47.621	49.264	53.730	55.105
95.0	47.244	47.136	45.173	44.692	44.518	49.595	50.281
97.5	42.334	42.159	41.360	40.400	40.032	43.570	45.458
100.0	37.622	38.235	37.464	36.168	36.245	38.377	40.330
102.5	33.254	34.317	33.308	32.708	32.398	34.534	35.196
105.0	29.303	29.901	29.313	29.246	28.369	30.597	30.482
107.5	26.119	25.476	25.861	25.741	24.763	26.501	25.782
110.0	22.946	22.276	22.327	22.292	22.516	21.972	21.915
112.5	19.794	19.124	18.477	20.377	19.932	16.615	18.091
115.0	16.558	16.913	14.767	18.455	16.130	11.388	11.371
117.5	13.136	14.759	11.650	16.197	12.462	6.422	4.426
120.0	10.162	12.882	8.909	13.942	9.336	2.762	2.660
122.5	8.235	11.026	7.946	12.032	6.420	1.949	1.380
125.0	6.162	8.122	6.884	10.123	4.421	1.331	1.121
127.5	3.713	5.114	5.290	6.787	2.652	1.187	0.980
130.0	1.783	3.215	3.714	3.428	2.059	1.079	0.946
132.5	1.311	1.451	2.259	2.332	1.511	1.068	0.928
135.0	0.983	1.178	0.972	1.310	1.224	1.054	1.028
137.5	1.093	1.115	0.891	1.173	1.006	1.032	1.146
140.0	1.167	1.027	0.818	1.079	1.247	1.033	1.239
142.5	1.118	0.935	0.805	1.173	1.445	1.108	1.327
145.0	1.092	0.877	0.797	1.282	1.296	1.186	1.323
147.5	1.156	0.824	0.826	1.196	1.167	1.272	1.301
150.0	1.200	0.837	0.850	1.093	1.237	1.363	1.171
152.5	1.167	0.864	0.789	1.299	1.310	1.474	1.014
155.0	1.148	0.862	0.747	1.540	1.422	1.529	1.194
157.5	1.176	0.855	0.881	1.341	1.502	1.390	1.455
160.0	1.153	0.811	0.984	1.143	1.431	1.379	1.595
162.5	1.040	0.805	1.001	1.205	1.284	1.575	1.643
165.0	1.004	0.961	0.973	1.256	1.036	1.450	1.357
167.5	1.023	1.008	0.897	1.289	1.244	1.262	1.179
170.0	1.124	1.053	0.707	1.062	1.296	1.270	1.134
172.5	1.031	1.111	0.706	1.272	1.162	1.118	1.302
175.0	1.308	0.764	0.848	1.250	1.089	1.297	1.548
177.5	1.052	0.817	1.011	1.200	1.220	1.347	1.163
180.0	1.234	1.234	1.234	1.234	1.234	1.234	1.234

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	487.88	N.A.	20.30
0-30	983.03	N.A.	41.00
0-40	1407.52	N.A.	58.70
0-60	1782.92	N.A.	74.30
0-80	2209.56	N.A.	92.10
0-90	2294.16	N.A.	95.60
10-90	2152.8	N.A.	89.70
20-40	919.64	N.A.	38.30
20-50	1101.1	N.A.	45.90
40-70	624.78	N.A.	26.00
60-80	426.64	N.A.	17.80
70-80	177.26	N.A.	7.40
80-90	84.60	N.A.	3.50
90-110	83.22	N.A.	3.50
90-120	98.20	N.A.	4.10
90-130	102.83	N.A.	4.30
90-150	104.56	N.A.	4.40
90-180	105.50	N.A.	4.40
110-180	22.28	N.A.	0.90
0-180	2399.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	141.36
10-20	346.52
20-30	495.16
30-40	424.48
40-50	181.45
50-60	193.95
60-70	249.38
70-80	177.26
80-90	84.60
90-100	51.46
100-110	31.76
110-120	14.98
120-130	4.63
130-140	1.05
140-150	0.67
150-160	0.52
160-170	0.32
170-180	0.11

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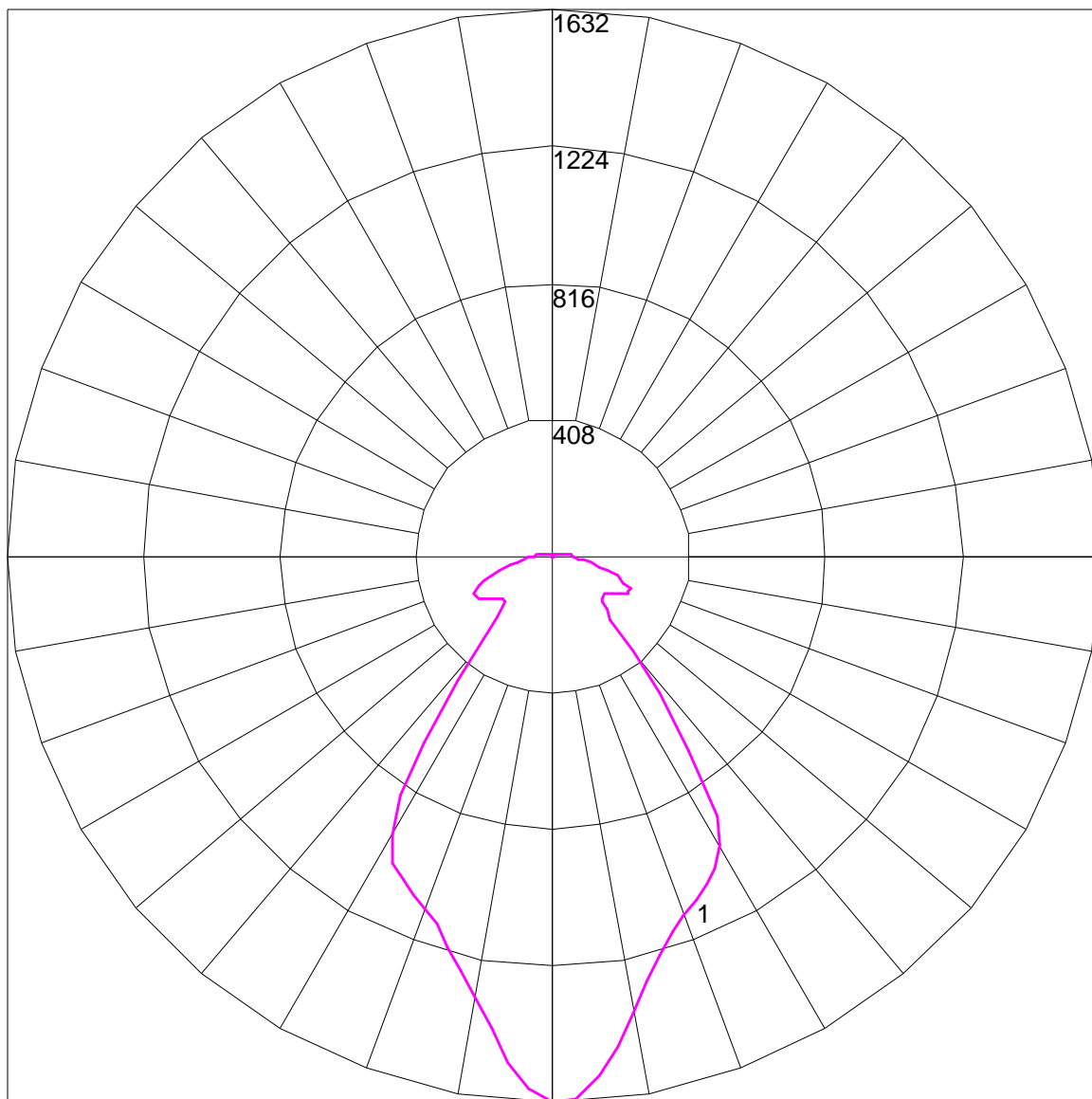
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	108	103	99	95	105	100	97	93	95	92	89	91	88	86	86	84	83	80
2	99	91	85	79	96	89	83	78	85	80	76	81	77	73	77	74	71	69
3	91	82	74	68	89	80	73	67	76	70	65	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	64	59	55	53
5	79	67	59	53	77	66	58	52	63	57	52	61	55	51	59	54	50	48
6	74	62	54	48	72	61	53	47	58	52	47	56	50	46	54	49	45	43
7	69	57	49	43	67	56	48	43	54	47	42	52	46	42	51	45	41	39
8	65	53	45	40	63	52	45	39	50	44	39	49	43	39	47	42	38	36
9	61	49	42	37	60	48	41	36	47	41	36	46	40	36	44	39	35	34
10	58	46	39	34	57	45	38	34	44	38	33	43	37	33	42	37	33	31

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00645 ~ OR1917GV-37L35K-EX-TF2.IES

POLAR GRAPH



Maximum Candela = 1631.932 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)