

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00675 ~ HD30GV-55L35K-EX-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00675
[TESTLAB] Spectrum Photometric Lab VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/20/2018
[UPDATE] 5/3/2018
[LUMCAT] HD30GV-55L-35K-EX-MWI-xx
[LUMINAIRE] Nom. 30" diam x 11.5" H, Half Dome luminaire
[OTHER] Regressed, 6" diam low profile frosted glass diffuser
[OTHER] Reflector: Matte White interior finish
[OTHER] Nom. 100 Degree Beam Angle
[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
[_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4096
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.28
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

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3554	3637	3653
55	2744	3173	3330
65	785	938	1013
75	680	752	759
85	411	607	707

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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	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419
2.5	1989.680	1994.298	2000.526	2010.369	2013.871	2001.282	1989.551	1979.594	1984.801	1970.324
5.0	1964.833	1976.531	1991.116	2000.197	2001.795	1980.731	1964.298	1942.039	1949.122	1932.061
7.5	1923.863	1938.629	1950.097	1966.781	1959.964	1931.754	1913.537	1890.310	1898.410	1874.254
10.0	1877.991	1895.768	1907.314	1922.682	1913.820	1879.629	1860.336	1833.845	1839.962	1816.028
12.5	1826.952	1848.402	1857.582	1873.739	1860.535	1822.293	1803.898	1774.089	1781.689	1757.005
15.0	1776.496	1800.241	1808.123	1823.064	1806.991	1767.013	1747.335	1718.318	1723.489	1700.413
17.5	1726.549	1751.092	1759.485	1771.681	1753.102	1714.479	1693.333	1664.776	1668.940	1647.585
20.0	1676.551	1701.834	1710.258	1720.106	1700.448	1661.700	1639.608	1613.888	1615.548	1596.253
22.5	1626.517	1650.631	1659.668	1668.598	1649.137	1608.650	1590.245	1564.177	1565.700	1546.795
25.0	1573.978	1599.324	1608.243	1617.103	1596.940	1556.743	1540.777	1516.309	1516.699	1498.842
27.5	1519.969	1545.190	1555.263	1563.740	1543.937	1505.876	1490.393	1469.100	1468.537	1452.444
30.0	1468.201	1491.095	1501.803	1510.129	1490.879	1454.478	1440.423	1422.448	1420.517	1406.155
32.5	1417.482	1437.912	1447.614	1455.665	1437.780	1402.689	1392.707	1375.945	1376.493	1359.958
35.0	1364.175	1384.694	1393.520	1401.140	1385.357	1353.429	1345.253	1329.145	1332.881	1315.837
37.5	1309.925	1331.125	1339.542	1347.127	1333.343	1305.725	1298.809	1282.287	1287.844	1273.154
40.0	1256.726	1277.460	1285.223	1293.164	1281.746	1258.126	1252.891	1238.257	1242.740	1228.874
42.5	1203.828	1223.221	1230.560	1240.473	1230.353	1210.578	1208.544	1194.598	1197.906	1183.675
45.0	1147.107	1167.999	1173.867	1187.499	1179.213	1164.039	1163.013	1149.456	1152.958	1137.092
47.5	1089.596	1108.725	1115.473	1131.177	1128.171	1117.891	1114.747	1104.211	1105.966	1089.875
50.0	1020.380	1044.972	1050.906	1073.084	1068.034	1061.996	1061.726	1046.251	1056.848	1031.812
52.5	949.567	967.019	982.144	1002.705	1005.176	1003.125	1000.015	983.423	988.061	969.891
55.0	718.421	838.755	830.860	910.699	871.901	865.167	873.941	774.424	891.745	778.735
57.5	474.114	588.006	633.806	718.392	722.901	709.550	650.451	566.954	638.112	551.534
60.0	327.077	379.626	445.820	528.335	502.467	493.558	451.366	376.554	409.011	376.360
62.5	185.510	252.572	261.889	346.025	271.247	268.451	282.206	205.063	277.858	211.595
65.0	151.528	163.888	181.023	202.408	195.324	194.516	178.417	159.979	172.090	159.337
67.5	120.103	133.885	135.387	156.320	134.697	136.047	139.074	122.092	139.993	121.544
70.0	105.874	113.041	116.645	123.993	119.732	119.954	115.707	108.334	115.273	107.656
72.5	92.463	99.828	102.292	108.998	104.745	104.366	101.227	94.174	100.870	94.005
75.0	80.314	84.980	88.894	94.774	89.706	89.935	86.607	79.585	86.845	80.758
77.5	64.824	69.204	73.599	79.794	75.214	74.471	71.144	64.375	72.271	64.689
80.0	48.148	52.353	56.880	62.406	59.970	58.694	54.591	49.207	55.869	48.003
82.5	31.503	36.754	39.669	47.596	43.616	42.639	37.559	33.909	40.083	31.979
85.0	16.336	20.341	24.143	31.013	28.134	25.999	23.818	19.005	22.409	16.496
87.5	3.991	6.630	8.488	14.013	12.301	11.681	9.624	5.592	8.800	5.044
90.0	1.192	0.721	1.284	1.346	2.507	2.068	0.645	0.566	0.478	0.841
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	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419	2004.419
2.5	1966.047	1960.565	1976.420	1981.555	1982.233	1995.898	1989.680
5.0	1923.134	1912.565	1929.202	1942.310	1952.174	1967.469	1964.833
7.5	1865.884	1855.143	1871.459	1891.509	1902.345	1927.631	1923.863
10.0	1807.737	1796.765	1810.578	1837.264	1850.875	1878.722	1877.991
12.5	1750.983	1737.273	1752.438	1782.589	1794.041	1826.752	1826.952
15.0	1694.455	1680.665	1694.922	1727.818	1738.365	1772.754	1776.496
17.5	1642.640	1626.872	1641.568	1672.424	1685.586	1719.679	1726.549
20.0	1591.076	1576.405	1588.859	1616.935	1633.492	1667.097	1676.551
22.5	1542.103	1528.576	1540.531	1565.468	1582.765	1615.853	1626.517
25.0	1493.572	1481.443	1492.616	1514.363	1531.939	1565.180	1573.978
27.5	1447.766	1434.755	1445.214	1465.559	1480.954	1513.244	1519.969
30.0	1402.073	1388.961	1397.864	1416.856	1430.544	1460.883	1468.201
32.5	1356.862	1343.641	1352.801	1368.816	1380.890	1409.366	1417.482
35.0	1311.481	1298.765	1307.611	1320.841	1331.497	1358.062	1364.175
37.5	1265.547	1254.074	1260.464	1273.803	1282.389	1306.257	1309.925
40.0	1220.368	1208.130	1213.422	1226.700	1233.917	1254.362	1256.726
42.5	1177.071	1161.772	1167.244	1179.053	1186.012	1204.497	1203.828
45.0	1131.236	1111.486	1119.145	1129.954	1134.528	1154.870	1147.107
47.5	1080.426	1060.218	1060.965	1073.222	1080.448	1096.151	1089.596
50.0	1018.862	987.926	992.710	1006.091	1011.539	1036.920	1020.380
52.5	939.902	911.966	886.046	900.157	933.825	943.059	949.567
55.0	780.911	667.483	740.233	753.649	731.929	841.918	718.421
57.5	517.293	404.119	480.408	488.979	470.306	580.150	474.114
60.0	325.675	277.699	275.337	279.997	312.245	334.041	327.077
62.5	211.680	158.934	193.878	196.743	193.152	239.541	185.510
65.0	145.371	134.406	135.664	137.351	147.725	156.243	151.528

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CANDELA TABULATION - (Cont.)

67.5	120.515	111.081	118.049	119.027	123.883	133.636	120.103
70.0	103.308	97.148	102.581	102.746	107.005	113.424	105.874
72.5	89.783	83.703	89.150	88.403	91.404	98.273	92.463
75.0	74.988	71.089	72.355	74.314	77.927	83.629	80.314
77.5	59.900	55.060	55.845	59.941	62.747	68.909	64.824
80.0	44.636	38.544	41.037	44.810	46.293	52.820	48.148
82.5	30.044	22.499	24.963	26.305	29.355	35.657	31.503
85.0	13.617	8.501	10.372	11.616	14.751	18.590	16.336
87.5	3.897	1.883	1.872	2.655	3.658	4.935	3.991
90.0	0.444	0.722	1.252	0.481	1.150	0.603	1.192
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	676.54	N.A.	16.50
0-30	1388.5	N.A.	33.90
0-40	2231.62	N.A.	54.50
0-60	3795.57	N.A.	92.70
0-80	4072.01	N.A.	99.40
0-90	4095.46	N.A.	100.00
10-90	3911.86	N.A.	95.50
20-40	1555.08	N.A.	38.00
20-50	2441.44	N.A.	59.60
40-70	1754.24	N.A.	42.80
60-80	276.44	N.A.	6.70
70-80	86.15	N.A.	2.10
80-90	23.45	N.A.	0.60
90-110	0.14	N.A.	0.00
90-120	0.14	N.A.	0.00
90-130	0.14	N.A.	0.00
90-150	0.14	N.A.	0.00
90-180	0.14	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4095.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.60
10-20	492.94
20-30	711.96
30-40	843.12
40-50	886.36
50-60	677.60
60-70	190.29
70-80	86.15
80-90	23.45
90-100	0.14
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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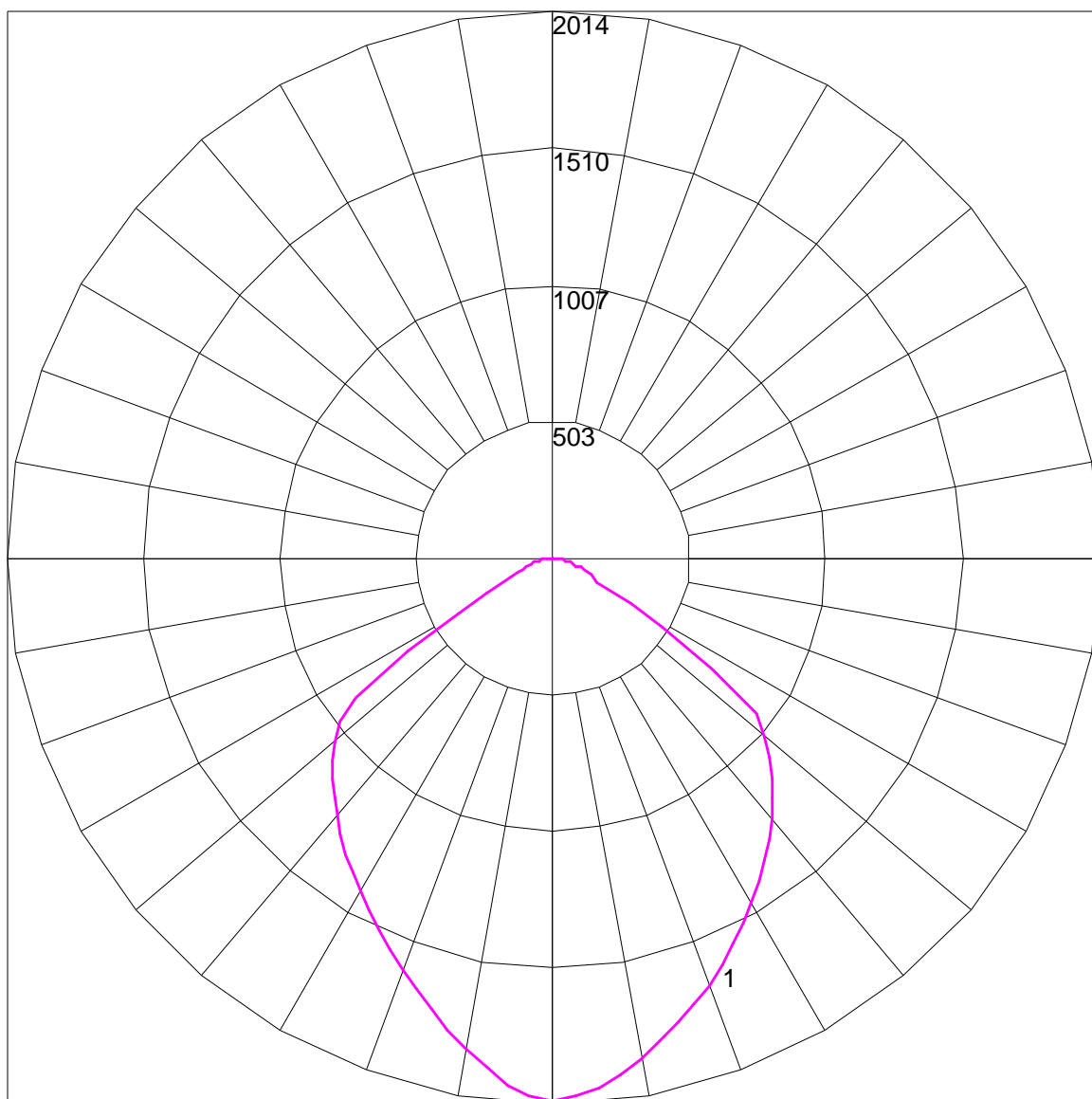
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	71	78	73	69	76	72	68	66
4	87	76	69	63	85	75	68	62	73	66	61	71	65	61	68	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	34	44	38	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	30

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00675 ~ HD30GV-55L35K-EX-MWI.IES

POLAR GRAPH



Maximum Candela = 2013.871 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180)