

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-55L35KEX-MWI-PT-TF2.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00725

[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 10/30/2018

[UPDATE] 12/31/2018

[LUMCAT] TT1811GV-55L-35K-EX-MWI-PT-TF2

[LUMINAIRE] Nom 18.4" diam reflector x 11.4" H, Tip Top decorative luminaire

[OTHER] Matte white interior finish

[OTHER] Platinum outside finish

[OTHER] 4" Low profile frosted glass dome

[OTHER] Beam Angle: 104.4 deg

[LAMPCAT] N/A, Gen3

[LAMP] 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+

[CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03

[LAMPMULT] 15L x 0.265, 27L x 0.463, 37L x 0.68

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4054
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.53 ft (Diameter)
Luminous Width (90-270)	1.53 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-55L35KEX-MWI-PT-TF2.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9668	9809	9570
55	7255	7435	7188
65	3062	3075	3059
75	2293	2369	2373
85	1324	1377	1424

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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	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282
2.5	1707.474	1707.258	1711.627	1713.064	1714.202	1710.903	1709.823	1707.729	1707.701	1706.648
5.0	1699.263	1702.178	1709.387	1711.486	1711.974	1710.620	1704.724	1702.782	1699.596	1699.164
7.5	1689.927	1694.193	1703.660	1704.703	1708.354	1702.584	1696.795	1692.449	1689.171	1688.484
10.0	1677.894	1685.275	1694.077	1697.473	1698.243	1693.133	1686.152	1681.975	1676.056	1675.323
12.5	1666.124	1675.439	1684.939	1689.117	1688.190	1682.061	1674.454	1667.479	1662.164	1659.840
15.0	1654.924	1662.976	1676.245	1678.048	1678.368	1670.735	1659.083	1652.811	1645.096	1642.736
17.5	1639.520	1648.148	1660.104	1660.950	1664.814	1654.083	1642.462	1635.265	1627.243	1622.369
20.0	1615.927	1622.656	1637.175	1636.537	1638.666	1636.774	1617.037	1616.363	1600.981	1599.957
22.5	1585.732	1588.518	1602.093	1597.685	1606.815	1597.892	1589.012	1581.560	1572.883	1568.728
25.0	1544.060	1547.464	1556.885	1554.290	1557.607	1557.038	1545.821	1545.576	1532.219	1532.401
27.5	1499.991	1501.289	1510.857	1502.639	1507.734	1506.537	1498.616	1499.472	1489.279	1490.136
30.0	1452.131	1455.365	1464.214	1452.345	1456.094	1455.365	1450.713	1453.255	1443.005	1444.806
32.5	1405.302	1409.610	1418.893	1404.260	1405.736	1405.340	1402.653	1406.235	1396.244	1399.249
35.0	1359.959	1363.488	1374.479	1357.808	1358.380	1355.361	1353.529	1359.295	1351.193	1353.587
37.5	1313.690	1317.143	1329.107	1313.774	1310.207	1305.424	1304.206	1312.810	1306.351	1308.624
40.0	1266.222	1270.027	1283.139	1267.071	1260.280	1255.479	1255.545	1266.091	1260.973	1263.954
42.5	1217.960	1222.489	1235.064	1216.767	1209.461	1203.859	1206.990	1218.269	1215.545	1219.248
45.0	1168.760	1171.324	1185.813	1163.208	1156.939	1151.979	1152.219	1168.542	1165.664	1174.529
47.5	1109.736	1118.354	1125.782	1105.696	1096.182	1092.127	1096.659	1110.897	1115.516	1118.266
50.0	1040.091	1017.843	1060.214	1014.263	1021.392	1026.954	997.578	1032.008	1014.083	1058.282
52.5	906.792	896.320	913.213	885.169	899.878	874.483	894.175	877.727	910.622	910.039
55.0	711.464	709.923	729.060	719.020	704.846	719.588	692.038	713.314	697.176	736.163
57.5	538.404	497.770	554.745	515.253	530.520	535.316	482.699	517.810	483.751	555.947
60.0	385.189	368.786	384.397	370.385	385.440	362.001	368.488	352.988	367.861	374.154
62.5	282.793	269.306	289.596	279.415	278.918	284.998	258.453	273.483	254.089	281.611
65.0	221.206	212.376	222.215	215.701	221.057	213.026	208.453	204.919	203.204	208.233
67.5	177.187	166.173	180.120	171.304	176.219	173.738	160.847	162.651	154.781	165.405
70.0	142.287	140.334	144.751	143.267	142.027	139.246	134.918	129.752	128.542	127.910
72.5	120.866	117.622	125.195	120.568	122.602	120.025	111.437	111.271	105.503	110.088
75.0	101.463	99.871	104.847	102.320	105.024	101.121	94.366	92.646	89.702	93.009
77.5	83.492	78.242	83.834	80.906	84.652	82.507	74.903	74.184	72.575	76.054
80.0	63.414	55.584	63.039	58.400	62.688	61.434	54.891	57.584	54.631	58.630
82.5	40.735	34.028	41.465	37.270	42.226	40.281	36.316	36.390	36.009	40.167
85.0	19.727	14.589	20.523	16.710	21.223	20.854	15.448	17.872	16.180	21.306
87.5	4.830	2.181	4.762	3.073	5.204	6.206	3.083	5.083	4.521	7.778
90.0	0.000	0.000	0.000	0.000	0.000	0.923	0.821	1.157	1.023	1.101
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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CANDELA TABULATION - (Cont.)

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	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282	1710.282
2.5	1704.995	1707.024	1705.980	1701.767	1704.309	1705.663	1707.474
5.0	1695.650	1699.575	1694.581	1692.590	1695.308	1698.628	1699.263
7.5	1682.980	1684.672	1682.156	1678.531	1683.793	1685.464	1689.927
10.0	1668.183	1667.743	1664.787	1663.428	1667.620	1672.157	1677.894
12.5	1651.942	1650.046	1646.809	1644.727	1651.613	1656.703	1666.124
15.0	1633.909	1632.164	1628.656	1626.095	1635.891	1641.075	1654.924
17.5	1614.769	1614.069	1610.488	1607.668	1617.296	1623.562	1639.520
20.0	1588.983	1595.930	1584.765	1585.446	1594.304	1604.022	1615.927
22.5	1559.465	1562.511	1558.548	1553.129	1563.765	1567.630	1585.732
25.0	1520.689	1526.466	1517.175	1517.162	1522.695	1529.763	1544.060
27.5	1477.278	1481.015	1475.186	1472.499	1479.523	1482.293	1499.991
30.0	1431.806	1434.229	1430.810	1427.683	1433.676	1435.044	1452.131
32.5	1385.388	1388.928	1386.398	1382.544	1388.270	1389.001	1405.302
35.0	1340.324	1343.790	1342.480	1338.527	1343.373	1342.936	1359.959
37.5	1295.811	1300.241	1298.569	1296.649	1298.108	1296.773	1313.690
40.0	1251.725	1256.823	1254.835	1254.150	1252.457	1250.374	1266.222
42.5	1207.791	1214.092	1211.104	1210.577	1206.805	1203.050	1217.960
45.0	1162.042	1171.401	1167.436	1164.160	1161.152	1154.133	1168.760
47.5	1115.706	1116.629	1119.141	1113.336	1103.474	1099.657	1109.736
50.0	1016.764	1061.513	1017.513	1022.404	1035.404	1022.456	1040.091
52.5	903.133	893.832	904.281	873.980	897.701	876.561	906.792
55.0	708.415	725.208	689.092	703.222	705.006	718.303	711.464
57.5	494.387	537.633	485.733	503.678	533.760	527.376	538.404
60.0	367.606	354.728	365.548	355.370	377.978	367.657	385.189
62.5	259.154	276.207	255.505	266.525	277.286	283.148	282.793
65.0	201.558	200.309	202.724	201.779	211.999	213.329	221.206

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CANDELA TABULATION - (Cont.)

67.5	152.773	161.940	155.183	159.518	168.700	169.520	177.187
70.0	127.740	126.919	127.896	131.673	134.853	138.773	142.287
72.5	105.611	108.190	105.766	110.070	116.120	117.831	120.866
75.0	89.557	90.792	91.233	93.126	97.490	98.653	101.463
77.5	73.010	75.073	73.678	74.663	77.810	79.216	83.492
80.0	55.715	56.640	54.808	54.871	57.921	58.940	63.414
82.5	36.106	37.658	35.039	34.902	39.876	37.604	40.735
85.0	18.286	19.628	15.749	16.366	20.798	18.305	19.727
87.5	3.653	6.163	3.864	3.517	5.747	3.378	4.830
90.0	1.065	0.884	1.352	0.000	0.000	0.000	0.000
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	628.19	N.A.	15.50
0-30	1336.01	N.A.	33.00
0-40	2183.45	N.A.	53.90
0-60	3705.47	N.A.	91.40
0-80	4029.33	N.A.	99.40
0-90	4053.82	N.A.	100.00
10-90	3892.1	N.A.	96.00
20-40	1555.26	N.A.	38.40
20-50	2449.93	N.A.	60.40
40-70	1744.28	N.A.	43.00
60-80	323.86	N.A.	8.00
70-80	101.60	N.A.	2.50
80-90	24.49	N.A.	0.60
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	4053.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	161.71
10-20	466.48
20-30	707.82
30-40	847.43
40-50	894.68
50-60	627.35
60-70	222.26
70-80	101.60
80-90	24.49
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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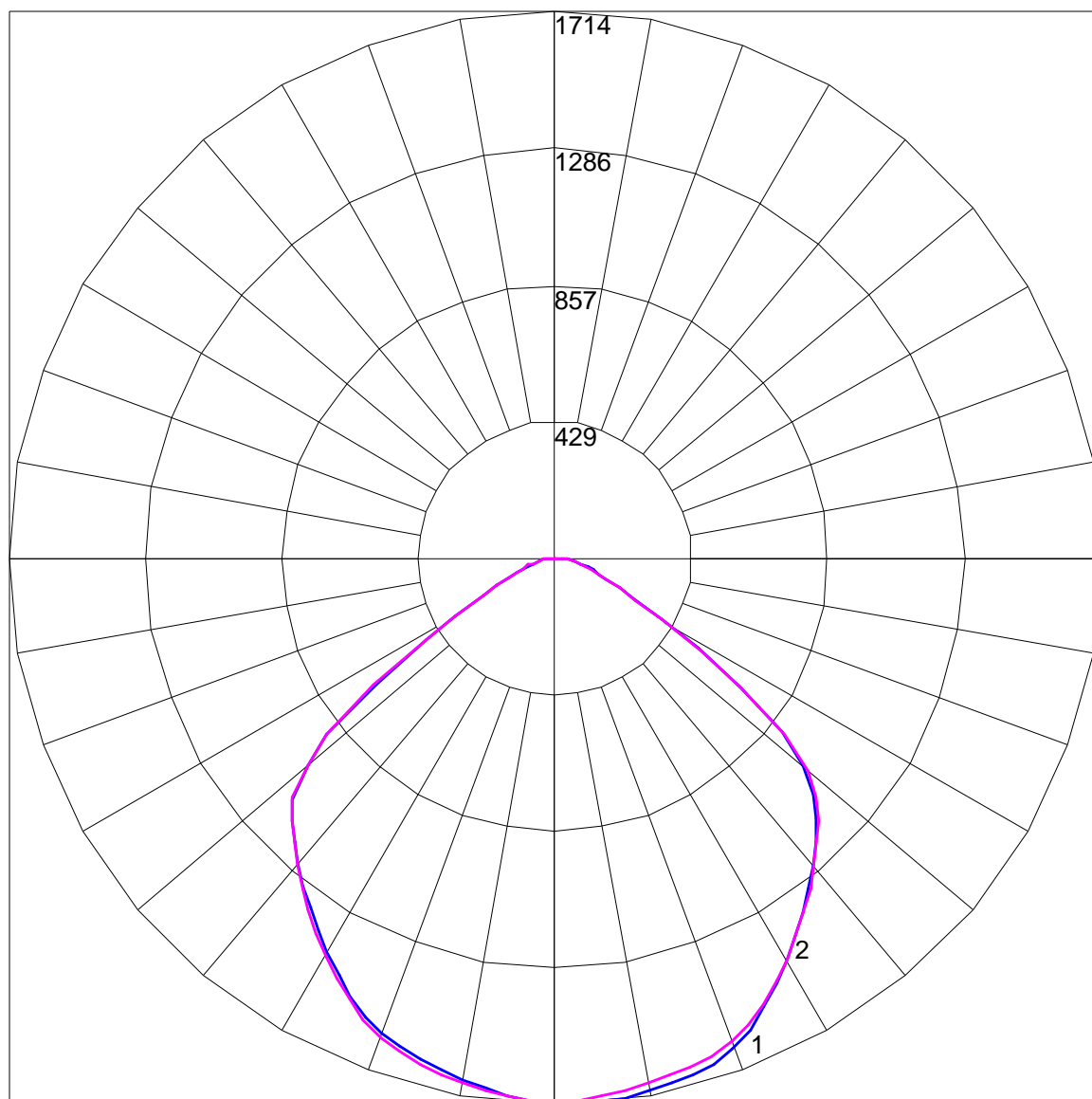
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	81	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	71	80	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	67	62	72	66	61	70	64	60	68	63	59	57
5	80	68	60	54	78	67	60	54	65	58	53	63	57	53	62	56	52	50
6	74	62	54	48	72	61	53	47	59	52	47	58	51	47	56	51	46	44
7	69	56	48	42	67	55	48	42	54	47	42	53	46	42	51	46	41	39
8	64	51	43	38	63	51	43	38	50	43	38	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00725 ~ TT1811GV-55L35KEX-MWI-PT-TF2.IES

POLAR GRAPH



Maximum Candela = 1714.202 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)