



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VF2-L57-750-HF_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]ATAL009606-R2
 [TESTLAB]ATAL-LABS
 [ISSUE DATE]28 NOV 2022
 [MANUFACTURER]WILLIAMS OUTDOOR
 [OTHER]H.E. WILLIAMS. INC. - CARTHAGE, MO.
 [LUMEN CATEGORY]VF2-L57-730-HF-MTG-CLR-OPT-DIM-UNV
 [LUMINAIRE] MEDIUM ARCHITECTURAL FLOOD LIGHT WITH
 [MORE]HORIZONTAL FLOOD MOLDED REFRACTIVE CLEAR ACRYLIC LENS AND A
 [MORE]CLEAR GLASS LENS.
 [LAMP CATEGORY]X32-LUXEON TX 3000K LEDS
 [LAMP](32) LUXEON TX 3000K LEDS
 [BALLAST CATEGORY]X1-X1075C070V105DNY1
 [BALLAST](1) PHILIPS ELECTRONIC DRIVER
 [OTHER]INPUT WATTS: 43, AMPS: 0.4433, VAC: 120.02, TEMP: 24.9 C
 [SEARCH_SOURCE TYPE] LED
 [SEARCH_APPLICATION] Outdoor, Architectural, Facade, Landscape, Parking, Site, Flood, Wet Location
 [SEARCH_MOUNTING] Arm, Ground, Pole, Post Top, Wall
 [SEARCH_CERTIFICATION] DLC
 [SEARCH_CLASSIFICATION] IP66

Note: Candela values converted from Type-B to Type-C

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5248
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	43
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.72
Spacing Criterion (90-270)	3.16
Spacing Criterion (Diagonal)	2.10
Basic Luminous Shape	Unknown
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.69 ft
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	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	874.415	874.268	874.081	873.856	873.593	873.293	872.956	872.582	872.173	871.729
5.0	898.492	897.934	897.286	896.552	895.739	895.035	894.722	894.274	893.739	893.118
7.5	928.442	927.968	927.312	926.476	925.987	925.359	924.551	923.564	921.723	921.099
10.0	961.915	961.274	960.371	959.735	959.069	958.143	956.956	955.511	953.810	951.856
12.5	991.865	991.108	990.204	989.959	989.422	988.643	987.689	986.560	985.138	983.413
15.0	1007.721	1007.644	1007.573	1007.550	1007.367	1007.146	1007.010	1006.709	1006.151	1007.000
17.5	1020.405	1019.383	1018.967	1018.709	1018.170	1018.640	1019.110	1020.064	1021.491	1022.739
20.0	1042.565	1041.894	1041.766	1041.453	1041.481	1041.183	1041.796	1043.862	1045.008	1048.004
22.5	1064.097	1066.156	1066.748	1066.873	1068.413	1069.730	1072.379	1074.991	1079.779	1085.598
25.0	1091.502	1093.622	1095.291	1096.741	1100.026	1103.379	1108.439	1114.553	1124.324	1134.660
27.5	1126.513	1128.945	1131.030	1134.013	1138.603	1145.180	1152.127	1165.458	1176.513	1197.476
30.0	1154.534	1156.939	1160.392	1166.589	1174.491	1187.909	1204.484	1225.140	1248.899	1272.029
32.5	1169.215	1170.560	1174.771	1182.856	1194.000	1210.440	1234.399	1262.441	1297.313	1334.944
35.0	1125.693	1126.494	1134.087	1146.324	1164.982	1190.786	1228.668	1275.271	1328.635	1385.406
37.5	1067.620	1067.177	1075.970	1087.496	1107.216	1136.083	1172.906	1225.948	1283.892	1346.523
40.0	983.056	983.749	992.560	1005.642	1027.950	1061.247	1106.283	1162.368	1226.853	1298.334
42.5	898.492	899.851	907.732	920.992	943.307	977.580	1025.591	1082.490	1146.125	1219.088
45.0	791.026	794.258	801.613	816.169	836.746	872.774	924.885	984.387	1054.133	1131.698
47.5	683.559	688.235	694.197	707.406	727.077	759.557	808.760	866.631	936.307	1006.319
50.0	539.878	543.994	550.449	563.764	584.386	617.662	665.732	724.496	795.262	864.719
52.5	396.198	399.295	404.669	415.706	433.327	461.764	501.373	549.347	603.972	660.629
55.0	252.517	254.560	258.521	266.969	280.429	302.203	331.496	365.291	404.450	451.307
57.5	231.670	232.431	232.606	234.309	237.664	244.707	252.948	257.393	260.273	268.282
60.0	210.823	211.606	211.805	213.479	216.666	222.846	230.026	234.051	237.897	245.250
62.5	189.975	190.812	190.968	192.629	195.564	200.386	206.423	210.828	215.423	220.917
65.0	169.128	170.045	170.100	171.758	174.332	177.845	182.842	187.826	192.307	196.325
67.5	147.693	148.628	148.811	150.331	152.990	155.338	159.572	164.178	167.923	171.138
70.0	126.259	127.201	127.531	128.794	131.389	132.863	136.032	139.895	142.346	144.328
72.5	104.824	105.771	106.270	107.367	109.600	110.330	112.104	115.507	116.468	117.123
75.0	83.389	84.337	85.027	85.907	87.658	87.742	87.854	91.021	90.338	89.586
77.5	62.542	63.484	64.102	64.874	66.152	66.606	66.361	68.830	67.463	66.086
80.0	41.695	42.631	43.181	43.804	44.812	45.600	45.742	47.186	46.503	46.064
82.5	20.847	21.774	22.258	22.686	23.565	24.505	25.261	25.719	25.701	26.214
85.0	0.000	0.914	1.332	1.534	2.380	3.348	4.872	4.318	4.998	6.478
87.5	0.000	0.440	0.589	0.592	0.891	1.203	1.819	1.231	1.350	1.902
90.0	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>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	871.317	870.975	870.575	870.136	869.660	869.147	868.599	868.015	867.398	866.748
5.0	892.413	891.625	890.755	889.804	888.775	887.645	886.541	885.312	883.998	882.600
7.5	919.672	918.110	916.415	914.591	912.644	910.580	908.402	906.056	903.782	900.281
10.0	948.531	947.330	944.879	942.776	940.422	937.787	934.873	931.683	928.126	925.572
12.5	981.819	980.334	978.174	975.356	972.632	970.451	967.751	964.531	960.893	957.639
15.0	1007.316	1007.345	1007.929	1008.085	1007.113	1005.386	1006.390	1005.904	1003.633	999.830
17.5	1025.033	1028.502	1031.445	1034.882	1038.827	1042.358	1046.160	1050.447	1052.449	1051.814
20.0	1051.631	1053.773	1061.408	1065.596	1073.833	1082.713	1090.282	1097.331	1104.235	1109.426
22.5	1092.177	1101.205	1107.968	1119.895	1130.048	1139.425	1147.650	1153.951	1161.806	1167.793
25.0	1147.951	1160.723	1176.807	1190.517	1202.959	1212.922	1220.284	1227.250	1231.599	1233.155
27.5	1216.022	1237.416	1256.590	1273.696	1287.253	1297.048	1305.420	1309.263	1310.240	1307.919
30.0	1299.706	1324.880	1349.007	1368.420	1384.257	1394.538	1399.666	1399.810	1395.225	1391.068

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CANDELA TABULATION - (Cont.)

32.5	1373.270	1415.084	1452.544	1475.432	1490.062	1499.860	1501.324	1497.775	1491.786	1485.693
35.0	1428.526	1470.934	1511.195	1546.476	1579.295	1602.953	1604.007	1600.239	1595.215	1590.469
37.5	1411.830	1476.375	1539.443	1598.478	1625.510	1648.393	1666.866	1683.641	1690.923	1689.773
40.0	1368.528	1433.675	1494.742	1552.508	1607.019	1658.187	1691.904	1704.997	1722.896	1750.842
42.5	1292.363	1361.570	1429.976	1491.042	1544.996	1585.916	1628.890	1669.581	1714.775	1739.838
45.0	1206.547	1272.945	1333.099	1393.938	1444.147	1497.030	1542.296	1581.823	1626.523	1681.178
47.5	1073.481	1142.547	1211.307	1279.729	1330.872	1373.921	1418.806	1465.371	1517.329	1571.031
50.0	923.274	981.507	1045.774	1097.432	1156.684	1218.466	1284.201	1322.503	1371.523	1435.996
52.5	719.516	783.053	844.611	900.103	948.763	1005.112	1059.146	1125.857	1207.059	1271.817
55.0	503.670	560.855	615.255	670.556	725.032	775.443	823.992	876.315	948.944	1041.905
57.5	281.612	331.587	386.240	442.412	500.625	552.014	602.183	645.122	685.088	733.494
60.0	248.999	253.116	257.914	261.543	277.498	336.708	392.232	442.176	484.906	487.710
62.5	224.518	228.582	232.361	235.451	237.107	239.106	237.912	249.208	295.701	319.483
65.0	200.095	203.843	206.490	208.743	208.577	208.412	205.532	203.547	200.381	197.731
67.5	174.958	178.910	180.329	180.778	179.487	176.678	172.808	169.493	166.257	163.798
70.0	146.772	149.412	150.731	150.918	149.873	145.026	139.794	136.050	132.770	131.492
72.5	118.206	119.417	120.140	120.515	120.323	116.071	111.494	106.771	101.925	100.523
75.0	89.319	89.316	89.404	90.755	91.015	88.215	84.833	80.842	77.721	77.401
77.5	64.647	63.092	61.661	62.569	62.537	61.295	58.908	55.733	54.525	55.289
80.0	45.313	44.431	43.846	44.728	44.260	42.601	39.671	36.025	34.798	34.862
82.5	26.138	25.965	26.052	26.902	26.835	26.203	24.464	22.306	22.148	22.471
85.0	7.072	7.635	8.268	9.083	9.667	10.098	9.725	9.129	9.626	10.225
87.5	1.943	1.986	2.034	2.088	2.150	2.220	1.922	1.600	1.660	1.737
90.0	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>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	866.066	865.355	864.614	863.847	863.054	862.237	860.908	860.589	859.835	859.072
5.0	881.121	879.092	878.129	876.741	875.330	873.898	872.444	870.970	869.476	867.963
7.5	898.944	896.720	894.426	892.065	889.640	887.152	884.606	882.275	880.251	878.591
10.0	922.647	919.451	915.992	912.278	907.827	905.327	902.126	899.716	896.808	893.400
12.5	954.417	950.663	946.387	941.939	937.478	932.219	928.387	924.080	920.902	917.386
15.0	996.670	992.532	987.996	983.213	977.668	971.782	968.093	962.943	957.134	952.389
17.5	1051.190	1049.791	1045.828	1040.657	1032.812	1028.218	1020.758	1012.530	1005.481	997.626
20.0	1113.204	1113.013	1110.243	1104.598	1099.332	1091.779	1082.834	1073.246	1060.521	1053.664
22.5	1170.978	1175.137	1177.252	1175.812	1171.290	1164.630	1153.377	1140.774	1129.513	1114.958
25.0	1234.722	1235.776	1238.264	1239.050	1238.862	1233.194	1225.269	1216.921	1204.419	1194.974
27.5	1306.122	1302.747	1300.068	1302.063	1305.338	1308.589	1308.357	1305.283	1298.252	1290.812
30.0	1383.818	1379.667	1378.503	1375.611	1380.037	1392.305	1403.141	1410.226	1413.949	1408.957
32.5	1479.001	1473.270	1473.991	1480.382	1487.749	1496.250	1508.565	1532.671	1552.008	1565.158
35.0	1588.378	1591.805	1596.685	1600.248	1610.206	1630.623	1656.255	1685.685	1710.662	1728.871
37.5	1696.073	1705.780	1709.743	1719.084	1734.439	1756.640	1786.028	1817.742	1854.221	1891.841
40.0	1769.398	1778.790	1796.487	1811.273	1831.732	1855.185	1880.819	1922.493	1972.060	2021.606
42.5	1774.476	1818.616	1848.469	1887.016	1918.829	1941.179	1975.028	2019.869	2067.610	2106.938
45.0	1741.127	1796.554	1870.057	1936.620	1989.716	2054.704	2102.767	2146.094	2181.100	2208.508
47.5	1644.695	1735.522	1824.289	1935.487	2055.884	2144.066	2226.914	2294.492	2364.585	2427.426
50.0	1516.276	1606.562	1742.145	1892.203	2033.506	2194.065	2330.944	2459.505	2569.591	2652.137
52.5	1349.027	1468.600	1613.551	1775.835	1989.882	2182.011	2392.494	2561.400	2700.362	2812.508
55.0	1170.211	1279.822	1428.507	1646.499	1874.012	2123.808	2346.770	2548.911	2726.796	2898.948
57.5	827.923	986.287	1210.481	1434.689	1712.114	1952.969	2198.149	2437.214	2677.296	2911.234
60.0	468.451	577.790	830.012	1133.117	1389.802	1656.927	1942.669	2258.944	2549.946	2672.073
62.5	326.129	361.892	402.208	645.731	947.696	1258.147	1580.501	1942.693	2054.622	2065.623
65.0	218.815	253.383	291.101	322.197	415.587	751.017	1104.718	1295.214	1417.393	1481.520
67.5	162.597	161.061	182.647	218.550	247.525	269.124	510.588	738.188	858.741	904.177

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70.0	131.033	131.510	135.322	140.349	160.393	185.938	208.126	298.635	423.038	438.835
72.5	100.971	102.643	105.713	109.953	114.261	115.732	132.464	152.991	172.881	181.004
75.0	76.715	76.109	75.684	78.985	82.411	84.766	85.899	85.560	103.914	119.519
77.5	55.397	54.965	54.586	54.455	55.000	56.283	58.627	59.349	60.231	66.698
80.0	34.502	34.289	34.105	34.771	36.053	36.903	37.197	36.998	38.893	39.946
82.5	21.797	20.620	19.124	18.627	18.495	19.791	21.095	22.093	22.743	22.643
85.0	10.333	10.219	9.878	10.223	10.585	10.806	10.838	10.752	10.501	10.930
87.5	1.826	1.927	2.045	2.446	2.925	3.740	4.469	4.866	5.150	5.286
90.0	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>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	858.302	857.526	856.744	855.956	855.164	854.367	853.568	852.701	851.835	850.971
5.0	866.429	864.223	863.384	861.920	860.430	858.917	857.385	855.835	854.268	852.682
7.5	876.692	874.717	872.670	870.559	868.471	866.332	864.138	862.176	860.160	858.000
10.0	891.396	888.999	886.460	883.786	881.189	879.034	876.764	874.370	871.843	869.919
12.5	913.550	910.270	907.768	905.091	902.224	899.417	896.437	894.696	892.767	890.871
15.0	948.042	943.093	938.964	935.653	931.887	928.477	925.506	922.972	920.888	919.184
17.5	990.560	983.747	979.191	976.910	974.949	972.341	968.962	964.191	960.199	956.145
20.0	1044.206	1035.959	1029.460	1024.125	1022.596	1020.047	1016.334	1011.623	1007.525	1002.085
22.5	1106.558	1095.357	1087.644	1078.520	1074.473	1068.362	1065.271	1062.461	1060.952	1058.566
25.0	1182.918	1172.612	1162.272	1153.630	1147.008	1141.570	1136.720	1134.693	1133.029	1131.540
27.5	1281.742	1271.732	1261.019	1252.769	1244.909	1239.229	1234.232	1231.391	1228.642	1227.207
30.0	1400.112	1391.435	1383.362	1374.765	1366.636	1361.280	1355.960	1352.288	1347.511	1345.156
32.5	1565.631	1557.911	1544.903	1529.565	1518.247	1511.239	1504.241	1501.196	1496.762	1494.780
35.0	1741.881	1746.643	1741.786	1728.592	1712.417	1696.004	1679.535	1670.006	1662.232	1659.806
37.5	1927.537	1951.755	1959.783	1949.991	1924.487	1892.444	1861.582	1843.256	1832.956	1835.503
40.0	2056.145	2075.403	2075.182	2057.420	2028.007	1998.451	1976.683	1968.402	1965.429	1971.344
42.5	2134.398	2149.435	2151.657	2140.789	2119.594	2100.470	2091.784	2094.220	2094.998	2094.400
45.0	2255.426	2291.040	2311.287	2313.212	2292.738	2257.734	2221.567	2197.764	2183.184	2180.247
47.5	2476.222	2507.106	2519.458	2511.839	2478.405	2421.007	2351.349	2296.250	2265.041	2259.824
50.0	2704.435	2741.426	2762.113	2761.315	2728.581	2670.042	2593.296	2519.927	2473.174	2451.247
52.5	2906.553	2980.126	3021.393	3024.538	2988.060	2921.710	2835.243	2747.524	2692.920	2678.167
55.0	3055.810	3191.464	3271.197	3290.162	3248.311	3174.414	3077.190	2972.493	2911.313	2906.534
57.5	3138.492	3215.707	3127.175	2990.362	2839.563	2699.905	2777.986	2520.106	2537.301	2680.924
60.0	2655.448	2619.625	2560.904	2455.754	2325.607	2199.156	2478.782	2047.173	2074.850	2424.642
62.5	2049.952	2024.701	1973.527	1903.009	1801.550	1694.939	2179.578	1575.766	1610.478	2145.850
65.0	1462.512	1421.104	1377.468	1331.969	1266.072	1185.972	1880.374	1106.927	1140.116	1812.031
67.5	894.867	839.459	851.657	920.737	942.229	908.187	1430.834	843.586	1083.324	1440.207
70.0	405.999	515.256	597.532	651.313	671.242	641.289	981.295	592.164	976.506	1057.768
72.5	231.530	309.291	374.137	404.551	404.704	372.656	531.755	343.864	582.868	683.444
75.0	128.393	157.842	194.733	193.406	154.873	104.187	82.215	99.524	200.562	321.690
77.5	76.437	77.671	77.958	62.198	65.466	65.784	64.010	63.056	63.663	63.790
80.0	39.563	39.710	37.744	43.629	46.682	47.745	45.806	45.876	46.740	46.135
82.5	22.437	21.918	23.542	25.694	29.077	28.660	27.601	28.652	30.696	28.542
85.0	11.108	11.678	12.929	13.792	13.886	11.876	9.396	12.952	15.672	15.826
87.5	5.201	5.441	5.729	6.505	6.536	4.982	4.698	5.812	6.922	7.307
90.0	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>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	850.111	849.259	848.417	847.588	846.773	845.640	845.192	844.421	843.665	842.925

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CANDELA TABULATION - (Cont.)

5.0	851.078	849.458	847.828	846.186	844.534	842.873	841.206	839.534	837.860	836.186
7.5	856.263	854.368	852.384	850.303	847.869	845.913	843.782	841.641	839.418	837.114
10.0	868.116	866.144	863.992	861.693	859.646	857.387	854.421	852.407	849.832	848.134
12.5	888.745	886.392	884.330	882.420	880.174	877.576	875.891	873.464	872.593	870.653
15.0	917.062	915.089	913.302	911.077	909.300	908.578	907.447	905.953	904.348	902.285
17.5	952.207	949.414	949.029	948.359	948.099	947.035	946.524	945.398	941.949	940.627
20.0	999.698	998.044	997.695	997.777	997.202	997.656	996.973	995.295	992.241	988.274
22.5	1058.451	1057.621	1058.561	1058.534	1060.176	1060.068	1058.930	1056.217	1051.604	1046.116
25.0	1130.839	1131.774	1132.386	1135.017	1135.991	1134.971	1130.612	1129.921	1125.374	1115.567
27.5	1225.783	1227.387	1228.777	1229.337	1228.701	1228.098	1228.953	1224.584	1214.588	1200.834
30.0	1343.860	1343.304	1345.888	1351.570	1355.138	1357.401	1353.620	1344.274	1328.223	1314.981
32.5	1496.359	1500.290	1504.966	1509.132	1513.487	1511.760	1502.360	1497.482	1487.157	1469.661
35.0	1664.203	1671.993	1679.212	1687.438	1698.284	1703.608	1699.397	1684.304	1665.575	1639.716
37.5	1848.426	1864.122	1875.590	1885.143	1889.613	1888.591	1881.209	1866.130	1825.428	1792.207
40.0	1986.571	2006.578	2031.251	2056.679	2056.117	2030.627	2003.566	1973.085	1942.503	1901.057
42.5	2094.807	2095.004	2104.901	2121.561	2130.469	2121.393	2098.357	2066.486	2038.096	2000.473
45.0	2182.391	2184.211	2185.920	2187.634	2209.086	2218.733	2211.073	2193.634	2162.852	2127.914
47.5	2274.026	2306.437	2340.006	2362.807	2372.064	2367.751	2368.232	2359.769	2333.519	2284.419
50.0	2458.973	2490.302	2527.690	2567.481	2589.818	2595.739	2584.974	2556.226	2513.119	2458.792
52.5	2694.520	2729.369	2762.638	2792.328	2819.076	2838.019	2829.427	2782.409	2715.569	2600.323
55.0	2931.948	2961.798	2987.357	3009.150	3029.448	3050.208	3051.576	3004.134	2877.718	2749.121
57.5	2906.808	3087.928	3200.492	3214.048	3224.760	3213.887	3178.225	3097.525	2986.221	2725.190
60.0	2594.263	2766.948	2977.553	3230.121	3378.025	3310.276	3142.956	2983.045	2817.125	2631.972
62.5	2263.784	2422.712	2611.247	2832.946	3073.931	3182.727	2917.032	2678.000	2462.769	2259.638
65.0	1908.478	2036.339	2184.375	2350.673	2423.525	2448.772	2471.117	2227.658	1987.617	1637.938
67.5	1523.202	1573.549	1637.596	1682.128	1665.656	1654.627	1710.760	1660.507	1245.899	845.191
70.0	1138.317	1119.307	982.268	895.021	877.198	1023.107	994.932	795.951	462.917	235.138
72.5	753.337	707.373	497.775	221.786	404.359	474.285	362.540	190.471	189.749	172.161
75.0	395.515	327.742	155.549	146.207	125.643	115.182	124.811	126.194	120.752	107.872
77.5	125.207	91.577	91.490	78.889	70.880	72.898	76.576	71.622	67.948	67.017
80.0	41.685	45.322	45.770	47.141	46.609	44.874	45.399	45.002	43.588	41.377
82.5	26.473	25.316	26.934	27.693	27.889	27.141	25.802	23.635	21.308	21.129
85.0	15.181	14.359	14.085	13.933	13.387	13.593	13.567	13.276	12.926	12.534
87.5	6.920	6.933	6.924	6.947	6.730	6.353	5.866	5.291	4.689	4.365
90.0	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>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	842.201	841.495	840.808	840.141	839.496	838.874	838.275	837.702	837.155	836.635
5.0	834.514	832.904	831.443	829.986	828.533	827.089	825.655	824.102	823.105	822.078
7.5	834.728	832.264	829.722	827.362	825.383	822.902	821.486	819.737	817.899	815.977
10.0	846.089	843.688	840.928	837.810	833.958	832.002	829.306	826.292	822.972	819.361
12.5	868.549	866.162	863.272	859.881	856.251	851.461	846.217	840.552	834.484	828.904
15.0	899.588	895.855	891.021	885.445	879.969	873.397	865.582	856.207	848.693	839.868
17.5	936.911	931.985	924.993	917.008	908.419	898.456	886.244	874.588	862.952	850.976
20.0	982.280	974.682	964.883	952.814	940.006	926.050	911.738	897.221	882.108	867.821
22.5	1037.299	1024.785	1008.895	995.684	979.965	962.697	947.010	930.250	913.223	896.289
25.0	1102.704	1083.666	1070.706	1053.953	1035.054	1015.075	994.448	971.818	951.232	929.106
27.5	1185.029	1171.159	1154.099	1132.155	1108.083	1083.123	1054.941	1027.031	995.869	967.427
30.0	1301.295	1281.458	1252.064	1227.308	1197.234	1161.395	1125.766	1088.528	1049.989	1012.788
32.5	1442.951	1412.486	1381.719	1340.374	1294.428	1253.431	1206.479	1158.634	1113.019	1065.561
35.0	1608.913	1566.980	1519.010	1471.571	1413.595	1352.464	1297.134	1240.524	1179.203	1124.190
37.5	1746.667	1702.271	1643.145	1583.040	1526.361	1455.895	1381.630	1312.534	1245.132	1180.167
40.0	1850.695	1796.568	1736.762	1673.022	1604.695	1530.598	1454.393	1368.759	1280.702	1196.935

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CANDELA TABULATION - (Cont.)

42.5	1951.246	1891.483	1831.746	1761.589	1683.771	1589.323	1488.605	1391.125	1293.250	1202.164
45.0	2077.625	2014.866	1942.008	1849.198	1745.581	1637.929	1527.833	1387.911	1265.407	1151.169
47.5	2222.857	2143.034	2036.810	1925.317	1807.582	1645.982	1490.958	1345.573	1210.871	1095.589
50.0	2360.079	2243.042	2129.628	1952.610	1776.851	1609.109	1444.204	1284.694	1138.571	1015.754
52.5	2486.281	2314.785	2110.741	1924.582	1738.424	1540.437	1360.230	1193.605	1051.547	915.631
55.0	2519.407	2302.386	2088.907	1847.144	1632.963	1433.713	1252.239	1058.209	881.855	722.131
57.5	2490.832	2221.175	1951.901	1714.977	1478.053	1241.833	1053.765	860.896	679.250	522.055
60.0	2300.656	2018.183	1738.670	1432.364	1153.670	949.889	806.056	650.897	471.792	353.251
62.5	1991.825	1595.984	1345.796	1069.471	800.588	592.239	549.922	512.737	400.473	309.482
65.0	1256.108	941.039	780.074	706.871	561.935	443.234	408.886	385.270	315.255	248.312
67.5	455.788	284.019	414.080	497.602	415.818	321.975	270.101	244.184	207.441	169.784
70.0	212.293	191.491	235.342	270.606	239.586	174.666	133.259	118.861	119.672	118.973
72.5	150.170	130.147	118.043	95.585	93.134	94.264	95.501	96.206	96.819	96.549
75.0	86.347	81.640	77.709	74.854	72.521	72.682	73.646	74.037	74.041	74.093
77.5	62.867	59.061	56.168	53.879	51.960	51.483	52.143	52.277	51.630	52.331
80.0	38.422	35.909	34.177	33.775	33.858	34.428	35.958	37.062	37.239	37.639
82.5	21.192	21.771	22.123	22.229	22.019	22.007	22.898	23.569	23.388	23.205
85.0	12.143	11.855	11.405	10.840	10.317	9.847	10.066	10.188	9.637	8.947
87.5	4.079	3.524	3.034	2.605	2.490	2.396	2.689	2.960	2.867	2.691
90.0	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>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861	853.861
2.5	836.144	835.683	835.231	834.871	834.546	834.258	834.007	833.794	833.620	833.483
5.0	821.073	820.093	819.142	818.224	817.342	816.503	815.709	814.828	813.772	813.519
7.5	813.981	811.920	809.805	807.734	806.889	805.891	804.899	803.919	802.956	802.070
10.0	815.553	812.956	810.250	807.435	804.586	801.734	800.075	798.429	796.806	795.215
12.5	823.487	817.742	811.758	806.729	802.654	798.556	794.450	791.391	789.095	786.879
15.0	830.628	821.540	814.214	806.873	798.701	793.881	788.465	783.058	779.619	777.281
17.5	839.662	828.850	817.915	808.490	800.268	792.025	785.485	780.275	775.028	772.357
20.0	855.012	840.186	830.037	818.244	807.296	798.258	788.150	782.844	777.106	772.783
22.5	877.809	863.486	847.929	833.958	820.944	809.093	798.742	789.293	782.866	776.681
25.0	908.985	888.872	869.712	851.271	835.556	820.766	808.504	797.434	789.427	782.283
27.5	939.828	914.538	890.224	869.927	849.510	835.632	821.305	811.291	802.414	795.550
30.0	977.527	945.507	917.832	891.312	871.403	852.555	839.246	829.379	821.015	815.622
32.5	1021.782	982.501	948.005	921.064	896.855	877.153	864.123	854.246	847.486	843.834
35.0	1071.055	1024.465	985.346	950.946	920.932	897.989	881.410	871.866	866.950	864.723
37.5	1112.628	1051.381	998.850	958.201	927.116	904.378	888.776	883.090	881.055	882.112
40.0	1122.366	1056.823	1003.804	956.404	916.598	890.823	874.889	865.740	861.931	861.798
42.5	1106.602	1029.852	965.249	915.287	878.380	856.428	843.570	836.851	835.549	837.430
45.0	1057.278	974.805	914.244	867.175	829.757	804.947	791.499	782.773	779.527	778.333
47.5	992.409	904.829	841.515	793.698	760.605	737.370	726.066	719.434	717.033	715.744
50.0	906.969	825.453	758.254	705.958	670.481	636.497	614.068	605.781	605.586	603.218
52.5	794.097	696.864	609.875	559.534	533.207	501.324	471.538	469.124	481.047	485.191
55.0	611.730	538.061	458.750	405.319	384.642	370.677	328.435	327.955	353.699	367.100
57.5	399.347	360.909	298.728	264.735	264.155	288.392	252.756	257.929	288.356	305.983
60.0	264.800	270.040	258.589	228.634	223.253	247.296	217.091	216.351	237.643	250.748
62.5	240.224	220.472	218.267	194.879	187.122	196.094	183.295	178.291	189.049	195.590
65.0	200.163	174.963	172.860	158.445	150.933	150.410	146.433	142.534	142.388	140.498
67.5	146.044	132.621	128.733	125.804	123.490	122.231	121.969	120.730	120.428	119.322
70.0	117.099	113.737	110.424	107.913	106.058	104.624	103.759	102.636	102.221	100.988
72.5	96.023	94.080	91.833	89.870	88.492	87.303	85.529	84.566	84.009	82.725
75.0	74.403	73.966	72.998	71.696	70.814	70.213	67.282	66.515	65.793	64.463
77.5	53.789	54.997	55.268	54.586	54.060	53.859	51.171	50.755	50.125	49.217

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CANDELA TABULATION - (Cont.)

80.0	38.261	38.889	39.028	38.378	37.853	37.545	35.614	35.299	34.727	34.094
82.5	22.960	22.932	22.791	22.177	21.657	21.277	20.085	19.795	19.350	18.947
85.0	7.814	7.080	6.553	5.978	5.467	5.020	4.574	4.257	3.523	3.523
87.5	2.198	1.986	1.943	1.906	1.874	1.847	1.824	1.804	1.789	1.777
90.0	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>175.0</u>	<u>177.5</u>	<u>180.0</u>
0.0	853.861	853.861	853.861
2.5	833.386	833.327	833.308
5.0	813.265	813.010	812.754
7.5	801.876	801.716	801.596
10.0	793.937	793.330	792.788
12.5	784.462	783.780	783.098
15.0	774.854	773.580	772.821
17.5	769.685	767.603	766.713
20.0	769.731	766.967	765.970
22.5	772.405	768.072	766.948
25.0	778.388	774.917	773.800
27.5	791.302	788.691	787.251
30.0	811.905	810.543	809.231
32.5	842.018	842.490	841.529
35.0	864.549	865.541	865.215
37.5	884.720	886.441	886.747
40.0	863.288	863.329	865.019
42.5	839.891	839.767	843.291
45.0	778.985	778.556	780.455
47.5	716.372	715.950	717.619
50.0	599.612	598.657	600.561
52.5	480.682	479.908	483.502
55.0	362.027	359.788	366.444
57.5	304.618	304.848	309.481
60.0	249.701	249.470	252.518
62.5	194.669	194.209	195.554
65.0	137.692	138.591	138.591
67.5	119.036	119.271	119.505
70.0	99.784	99.764	100.420
72.5	80.572	80.236	81.334
75.0	60.974	60.586	62.248
77.5	46.612	45.990	46.980
80.0	31.909	31.336	31.711
82.5	17.190	16.701	16.443
85.0	2.349	2.050	1.174
87.5	1.179	1.028	0.587
90.0	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	346.67	N.A.	6.60
0-30	856.20	N.A.	16.30
0-40	1748.69	N.A.	33.30
0-60	4328.58	N.A.	82.50
0-80	5232.71	N.A.	99.70
0-90	5247.89	N.A.	100.00
10-90	5165.42	N.A.	98.40
20-40	1402.02	N.A.	26.70
20-50	2634.9	N.A.	50.20
40-70	3341.19	N.A.	63.70
60-80	904.13	N.A.	17.20
70-80	142.83	N.A.	2.70
80-90	15.18	N.A.	0.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	5247.89	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.47
10-20	264.20
20-30	509.53
30-40	892.49
40-50	1232.88
50-60	1347.01
60-70	761.30
70-80	142.83
80-90	15.18
90-100	0.00
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

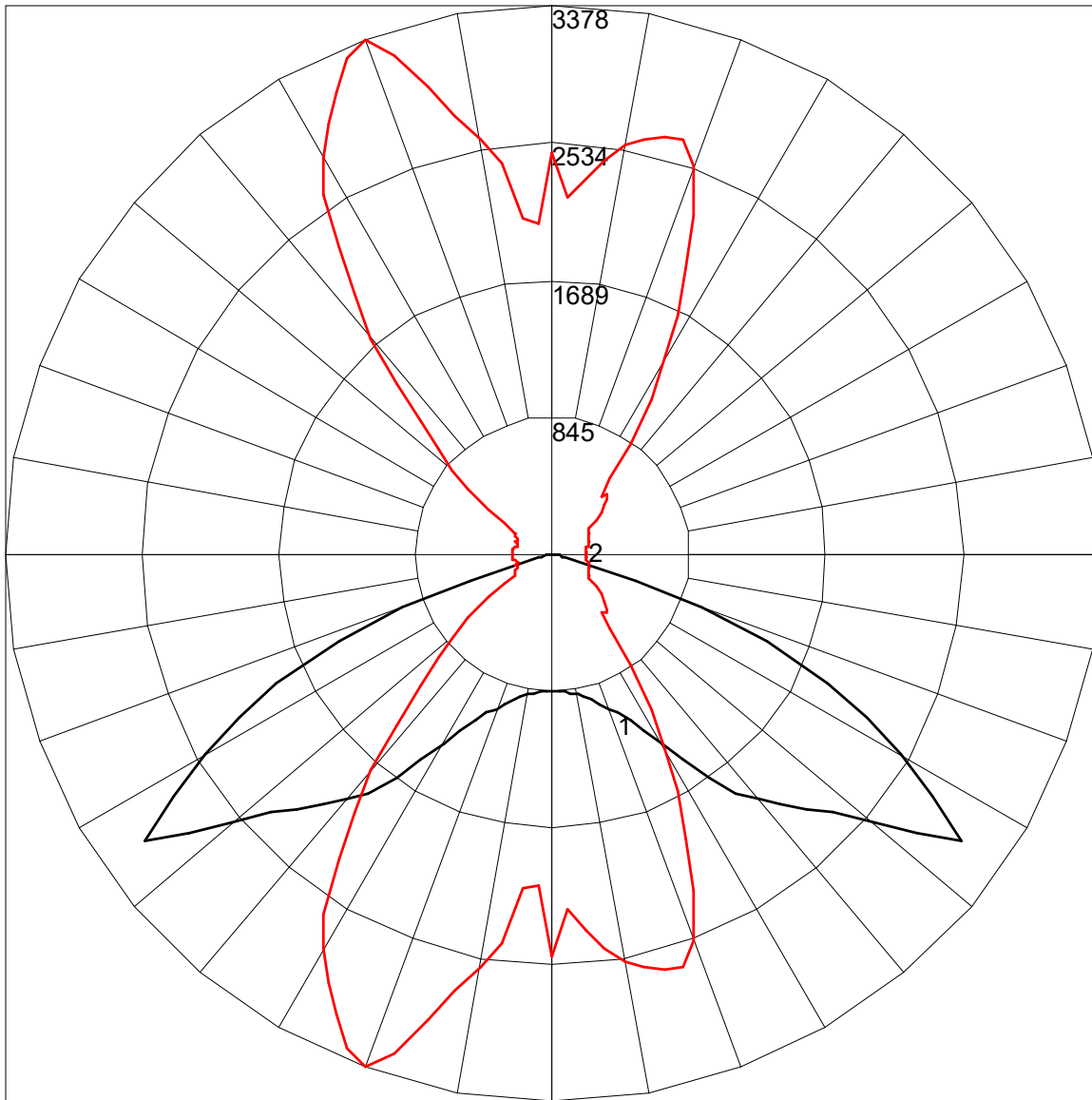
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VF2-L57-750-HF_.IES

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	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	110	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	99	91	84	78	97	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	79	70	63	87	77	69	63	74	67	62	71	65	60	69	64	59	57
4	81	68	59	52	79	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	60	50	43	71	59	50	43	56	49	42	54	47	42	53	46	41	39
6	67	53	43	36	65	52	43	36	50	42	36	48	41	35	47	40	35	33
7	62	47	38	31	60	46	37	31	45	36	31	43	36	30	42	35	30	28
8	57	42	33	27	55	41	33	27	40	32	26	39	32	26	38	31	26	24
9	52	38	29	23	51	37	29	23	36	29	23	35	28	23	34	28	23	21
10	49	35	26	21	47	34	26	20	33	26	20	32	25	20	31	25	20	18

POLAR GRAPH



Maximum Candela = 3378.025 Located At Horizontal Angle = 110, Vertical Angle = 60
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (60) (Through Max. Cd.)