IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[TESTLAB]
[ISSUEDATE] 3/10/2011
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] GVP-48-2L-LED
[LUMINAIRE] 49-3/4"L. X 5-7/8"W. X 4-3/16"H. SURFACE MOUNT FIXTURE TWO T8 TYPE LED LAMPS, CLEAR PRISMATIC L
[LAMPCAT] COOL WHITE LED
[LAMPPOSITION] 0,90
[_INPUT] 120VAC, 36.77W
[_TEST PROCEDURE] IESNA:LM-79-08

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

CHARACTERISTICS



NEMA Type	7 H x 7 V
Maximum Candela	2375.237
Maximum Candela Angle	-3H -3V
Horizontal Beam Angle (50%)	103.7
Vertical Beam Angle (50%)	98.5
Horizontal Field Angle (10%)	171.1
Vertical Field Angle (10%)	146.0
Lumens Per Lamp	3500 (2 lamps)
Total Lamp Lumens	7000
Beam Lumens	4391
Beam Efficiency	63 %
Field Lumens	6534
Field Efficiency	93 %
Spill Lumens	126
Luminaire Lumens	6660
Total Efficiency	95 %
Total Luminaire Watts	56
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	161.669	90	31.825
85	247.141	85	39.151
75	743.87	75	149.263
65	954.307	65	460.025
55	1030.162	55	873.558
47.5	1404.543	47.5	1238.764
42.5	1673.095	42.5	1453.483
37.5	1960.61	37.5	1639.45
33	2121.497	33	1789.691
29	2155.754	29	1904.208
25.5	2185.729	25.5	2004.41
22.5	2204.693	22.5	2071.334
19.5	2222.311	19.5	2134.465
17	2236.993	17	2187.075
15	2248.738	15	2229.162
13	2272.229	13	2251.185
11	2295.719	11	2273.207
9	2319.21	9	2295.23
7	2342.7	7	2317.252
5	2366.191	5	2339.275
3	2368.149	3	2351.999
1	2370.106	1	2364.723
0	2371.085	0	2371.085
-1	2370.106	-1	2364.723
-3	2368.149	-3	2351.999
-5	2366.191	-5	2339.275
-7	2342.7	-7	2317.252
-9	2319.21	-9	2295.23
-11	2295.719	-11	2273.207
-13	2272.229	-13	2251.185
-15	2248.738	-15	2229.162
-17	2236.993	-17	2187.075
-19.5	2222.311	-19.5	2134.465
-22.5	2204.693	-22.5	2071.334
-25.5	2185.729	-25.5	2004.41
-29	2155.754	-29	1904.208
-33	2121.497	-33	1789.691
-37.5	1960.61	-37.5	1639.45
-42.5	1673.095	-42.5	1453.483
-47.5	1404.543	-47.5	1238.764
-55	1030.162	-55	873.558
-65	954.307	-65	460.025
-75	743.87	-75	149.263
-85	247.141	-85	39.151
-90	161.669	-90	31.825

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CANDELA TABULATION
Maximum Candela = 2375.237
Beam Edge = 1187.6185 Cd (50% of Max.)
Field Edge = 237.5237 Cd (10% of Max.)
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	-90.0	-85.0	-75.0	-65.0	-55.0	-47.5	-42.5	-37.5	-33.0	-29.0
90.0	161.501	163.144	166.438	168.914	168.935	168.947	159.431	140.392	123.255	108.020
85.0	161.516	170.672	189.354	206.507	216.861	222.660	213.985	191.307	169.658	149.527
75.0	161.545	185.485	234.447	304.273 *	357.515 *	374.525 *	373.036 *	361.216 *	348.360 *	335.129 *
65.0	161.573	199.550	308.250 *	453.169 *	530.236 *	548.352 *	551.694 *	561.263 *	570.476 *	578.177 *
55.0	161.599	212.427	404.815 *	600.240 *	683.522 *	722.282 *	741.266 *	794.933 *	855.376 *	908.205 *
47.5	161.616	221.064	473.030 *	686.251 *	792.265 *	857.271 *	922.994 *	1011.394 *	1098.818 *	1188.027 *
42.5	161.627	226.250	515.974 *	731.681 *	862.812 *	936.283 *	1019.634 *	1149.335 *	1308.747 *	1408.185 *
37.5	161.636	230.932	556.510 *	773.694 *	910.236 *	996.894 *	1116.783 *	1326.001 *	1514.721 *	1641.991 *
33.0	161.644	234.685	590.635 *	808.287 *	940.802 *	1034.223 *	1239.470 *	1466.075 *	1672.502 *	1779.177 *
29.0	161.649	237.635 *	618.855 *	836.288 *	963.108 *	1099.089 *	1333.344 *	1573.259 *	1743.920 *	1844.912 *
25.5	161.654	239.907 *	641.744 *	858.562 *	979.825 *	1164.716 *	1402.702 *	1644.440 *	1809.326 *	1917.476 *
22.5	161.658	241.618 *	659.908 *	875.943 *	992.068 *	1219.458 *	1452.054 *	1695.087 *	1872.952 *	1991.492 *
19.5	161.661	243.106 *	676.632 *	891.711 *	1002.415 *	1267.563 *	1506.063 *	1748.226 *	1942.933 *	2058.866 *
17.0	161.663	244.173 *	689.400 *	903.603 *	1009.632 *	1302.375 *	1545.651 *	1795.076 *	2005.254 *	2087.908 *
15.0	161.664	244.912 *	698.811 *	912.293 *	1014.518 *	1326.672 *	1574.258 *	1830.361 *	2053.505 *	2109.637 *
13.0	161.666	245.547 *	707.478 *	920.250 *	1018.651 *	1347.747 *	1599.862 *	1861.945 *	2091.537 *	2128.214 *
11.0	161.667	247.661 *	715.375 *	927.474 *	1022.067 *	1365.557 *	1621.927 *	1889.579 *	2105.827 *	2134.448 *
9.0	161.668	247.567 *	722.473 *	933.968 *	1024.809 *	1380.071 *	1640.283 *	1913.016 *	2110.305 *	2140.093 *
7.0	161.668	247.473 *	728.748 *	939.735 *	1026.924 *	1391.274 *	1654.774 *	1932.019 *	2114.134 *	2145.059 *
5.0	161.669	247.379 *	737.032 *	944.782 *	1028.463 *	1399.165 *	1665.254 *	1946.365 *	2117.249 *	2149.254 *
3.0	161.669	247.284 *	739.763 *	949.898 *	1029.934 *	1403.760 *	1671.591 *	1955.854 *	2119.585 *	2152.582 *
1.0	161.669	247.189 *	742.500 *	952.836 *	1030.086 *	1405.090 *	1673.676 *	1960.313 *	2121.081 *	2154.953 *
0.0	161.669	247.141 *	743.870 *	954.307 *	1030.162 *	1404.543 *	1673.095 *	1960.610 *	2121.497 *	2155.754 *
-1.0	161.669	247.189 *	742.500 *	952.836 *	1030.086 *	1405.090 *	1673.676 *	1960.313 *	2121.081 *	2154.953 *
-3.0	161.669	247.284 *	739.763 *	949.898 *	1029.934 *	1403.760 *	1671.591 *	1955.854 *	2119.585 *	2152.582 *
-5.0	161.669	247.379 *	737.032 *	944.782 *	1028.463 *	1399.165 *	1665.254 *	1946.365 *	2117.249 *	2149.254 *
-7.0	161.668	247.473 *	728.748 *	939.735 *	1026.924 *	1391.274 *	1654.774 *	1932.019 *	2114.134 *	2145.059 *
-9.0	161.668	247.567 *	722.473 *	933.968 *	1024.809 *	1380.071 *	1640.283 *	1913.016 *	2110.305 *	2140.093 *
-11.0	161.667	247.661 *	715.375 *	927.474 *	1022.067 *	1365.557 *	1621.927 *	1889.579 *	2105.827 *	2134.448 *
-13.0	161.666	245.547 *	707.478 *	920.250 *	1018.651 *	1347.747 *	1599.862 *	1861.945 *	2091.537 *	2128.214 *
-15.0	161.664	244.912 *	698.811 *	912.293 *	1014.518 *	1326.672 *	1574.258 *	1830.361 *	2053.505 *	2109.637 *
-17.0	161.663	244.173 *	689.400 *	903.603 *	1009.632 *	1302.375 *	1545.651 *	1795.076 *	2005.254 *	2087.908 *
-19.5	161.661	243.106 *	676.632 *	891.711 *	1002.415 *	1267.563 *	1506.063 *	1748.226 *	1942.933 *	2058.866 *
-22.5	161.658	241.618 *	659.908 *	875.943 *	992.068 *	1219.458 *	1452.054 *	1695.087 *	1872.952 *	1991.492 *
-25.5	161.654	239.907 *	641.744 *	858.562 *	979.825 *	1164.716 *	1402.702 *	1644.440 *	1809.326 *	1917.476 *
-29.0	161.649	237.635 *	618.855 *	836.288 *	963.108 *	1099.089 *	1333.344 *	1573.259 *	1743.920 *	1844.912 *
-33.0	161.644	234.685	590.635 *	808.287 *	940.802 *	1034.223 *	1239.470 *	1466.075 *	1672.502 *	1779.177 *
-37.5	161.636	230.932	556.510 *	773.694 *	910.236 *	996.894 *	1116.783 *	1326.001 *	1514.721 *	1641.991 *
-42.5	161.627	226.250	515.974 *	731.681 *	862.812 *	936.283 *	1019.634 *	1149.335 *	1308.747 *	1408.185 *
-47.5	161.616	221.064	473.030 *	686.251 *	792.265 *	857.271 *	922.994 *	1011.394 *	1098.818 *	1188.027 *
-55.0	161.599	212.427	404.815 *	600.240 *	683.522 *	722.282 *	741.266 *	794.933 *	855.376 *	908.205 *
-65.0	161.573	199.550	308.250 *	453.169 *	530.236 *	548.352 *	551.694 *	561.263 *	570.476 *	578.177 *
-75.0	161.545	185.485	234.447	304.273 *	357.515 *	374.525 *	373.036 *	361.216 *	348.360 *	335.129 *
-85.0	161.516	170.672	189.354	206.507	216.861	222.660	213.985	191.307	169.658	149.527
-90.0	161.501	163.144	166.438	168.914	168.935	168.947	159.431	140.392	123.255	108.020

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	-25.5	**-22.5**	**-19.5**	**-17.0**	**-15.0**	**-13.0**	**-11.0**	**-9.0**	**-7.0**	**-5.0**
90.0	94.688	83.259	76.402	70.688	66.116	61.544	56.972	52.400	47.828	43.256
85.0	131.301	114.839	105.484	97.310	90.677	83.969	77.575	70.589	63.604	56.618
75.0	322.144 *	309.964 *	293.533 *	277.860 *	264.583 *	250.700 *	236.262	221.320	205.925	190.914
65.0	584.122 *	588.346 *	586.410 *	575.724 *	566.013 *	555.264 *	543.471 *	530.634 *	516.754 *	501.834 *
55.0	952.881 *	989.416 *	1023.780 *	1027.623 *	1019.714 *	1008.858 *	995.140 *	978.659 *	959.527 *	937.867 *
47.5	1253.959 *	1296.632 *	1327.017 *	1343.332 *	1339.167 *	1333.095 *	1325.132 *	1315.080 *	1302.741 *	1287.919 *
42.5	1472.376 *	1510.482 *	1533.284 *	1541.016 *	1534.762 *	1527.230 *	1519.362 *	1510.804 *	1501.184 *	1490.112 *
37.5	1684.951 *	1684.630 *	1678.407 *	1668.571 *	1657.612 *	1652.879 *	1654.136 *	1654.961 *	1654.858 *	1653.304 *
33.0	1796.937 *	1799.333 *	1794.764 *	1785.364 *	1774.069 *	1759.374 *	1771.006 *	1784.493 *	1793.117 *	1797.157 *
29.0	1899.432 *	1905.081 *	1902.354 *	1900.835 *	1902.839 *	1907.008 *	1914.023 *	1924.711 *	1929.372 *	1928.342 *
25.5	1978.522 *	1986.764 *	1986.854 *	1995.187 *	2006.798 *	2022.181 *	2040.487 *	2052.817 *	2053.432 *	2046.990 *
22.5	2028.338 *	2035.403 *	2044.034 *	2059.793 *	2079.268 *	2104.427 *	2133.037 *	2146.754 *	2132.858 *	2117.899 *
19.5	2067.999 *	2077.303 *	2087.884 *	2105.821 *	2132.173 *	2155.927 *	2173.020 *	2183.432 *	2181.952 *	2171.011 *
17.0	2098.321 *	2109.046 *	2121.516 *	2143.570 *	2172.277 *	2196.462 *	2212.619 *	2220.408 *	2219.884 *	2213.030 *
15.0	2120.698 *	2132.185 *	2148.635 *	2176.636 *	2206.546 *	2233.358 *	2249.528 *	2255.660 *	2251.418 *	2244.514 *
13.0	2141.370 *	2153.225 *	2172.462 *	2200.252 *	2231.207 *	2271.047 *	2292.126 *	2297.442 *	2287.869 *	2270.928 *
11.0	2158.165 *	2172.029 *	2188.354 *	2213.754 *	2243.732 *	2284.117 *	2336.780 *	2333.789 *	2316.100 *	2298.785 *
9.0	2165.047 *	2183.199 *	2196.453 *	2216.861 *	2243.235 *	2281.044 *	2322.604 *	2355.629 *	2341.894 *	2327.049 *
7.0	2171.250 *	2189.052 *	2202.419 *	2212.555 *	2229.542 *	2261.146 *	2299.525 *	2334.004 *	2363.427 *	2351.742 *
5.0	2176.645 *	2194.407 *	2209.022 *	2220.444 *	2228.869 *	2245.957 *	2277.191 *	2314.892 *	2347.011 *	2370.781 *
3.0	2181.099 *	2199.125 *	2214.996 *	2227.758 *	2237.522 *	2259.483 *	2283.852 *	2308.600 *	2334.929 *	2364.774 *
1.0	2184.480 *	2203.062 *	2220.128 *	2234.199 *	2245.496 *	2268.947 *	2292.936 *	2317.159 *	2341.808 *	2368.645 *
0.0	2185.729 *	2204.693 *	2222.311 *	2236.993 *	2248.738 *	2272.229 *	2295.719 *	2319.210 *	2342.700 *	2366.191 *
-1.0	2184.480 *	2203.062 *	2220.128 *	2234.199 *	2245.496 *	2268.947 *	2292.936 *	2317.159 *	2341.808 *	2368.645 *
-3.0	2181.099 *	2199.125 *	2214.996 *	2227.758 *	2237.522 *	2259.483 *	2283.852 *	2308.600 *	2334.929 *	2364.774 *
-5.0	2176.645 *	2194.407 *	2209.022 *	2220.444 *	2228.869 *	2245.957 *	2277.191 *	2314.892 *	2347.011 *	2370.781 *
-7.0	2171.250 *	2189.052 *	2202.419 *	2212.555 *	2229.542 *	2261.146 *	2299.525 *	2334.004 *	2363.427 *	2351.742 *
-9.0	2165.047 *	2183.199 *	2196.453 *	2216.861 *	2243.235 *	2281.044 *	2322.604 *	2355.629 *	2341.894 *	2327.049 *
-11.0	2158.165 *	2172.029 *	2188.354 *	2213.754 *	2243.732 *	2284.117 *	2336.780 *	2333.789 *	2316.100 *	2298.785 *
-13.0	2141.370 *	2153.225 *	2172.462 *	2200.252 *	2231.207 *	2271.047 *	2292.126 *	2297.442 *	2287.869 *	2270.928 *
-15.0	2120.698 *	2132.185 *	2148.635 *	2176.636 *	2206.546 *	2233.358 *	2249.528 *	2255.660 *	2251.418 *	2244.514 *
-17.0	2098.321 *	2109.046 *	2121.516 *	2143.570 *	2172.277 *	2196.462 *	2212.619 *	2220.408 *	2219.884 *	2213.030 *
-19.5	2067.999 *	2077.303 *	2087.884 *	2105.821 *	2132.173 *	2155.927 *	2173.020 *	2183.432 *	2181.952 *	2171.011 *
-22.5	2028.338 *	2035.403 *	2044.034 *	2059.793 *	2079.268 *	2104.427 *	2133.037 *	2146.754 *	2132.858 *	2117.899 *
-25.5	1978.522 *	1986.764 *	1986.854 *	1995.187 *	2006.798 *	2022.181 *	2040.487 *	2052.817 *	2053.432 *	2046.990 *
-29.0	1899.432 *	1905.081 *	1902.354 *	1900.835 *	1902.839 *	1907.008 *	1914.023 *	1924.711 *	1929.372 *	1928.342 *
-33.0	1796.937 *	1799.333 *	1794.764 *	1785.364 *	1774.069 *	1759.374 *	1771.006 *	1784.493 *	1793.117 *	1797.157 *
-37.5	1684.951 *	1684.630 *	1678.407 *	1668.571 *	1657.612 *	1652.879 *	1654.136 *	1654.961 *	1654.858 *	1653.304 *
-42.5	1472.376 *	1510.482 *	1533.284 *	1541.016 *	1534.762 *	1527.231 *	1519.362 *	1510.804 *	1501.184 *	1490.113 *
-47.5	1253.959 *	1296.632 *	1327.017 *	1343.332 *	1339.167 *	1333.095 *	1325.132 *	1315.080 *	1302.741 *	1287.919 *
-55.0	952.881 *	989.416 *	1023.780 *	1027.623 *	1019.714 *	1008.858 *	995.140 *	978.659 *	959.527 *	937.867 *
-65.0	584.122 *	588.346 *	586.410 *	575.724 *	566.013 *	555.264 *	543.471 *	530.634 *	516.754 *	501.834 *
-75.0	322.144 *	309.964 *	293.533 *	277.860 *	264.583 *	250.700 *	236.262	221.320	205.925	190.914
-85.0	131.301	114.839	105.484	97.310	90.677	83.969	77.575	70.589	63.604	56.618
-90.0	94.688	83.259	76.402	70.688	66.116	61.544	56.972	52.400	47.828	43.256

Vert. Angles	Horizontal Angles									
	-3.0	**-1.0**	**0.0**	**1.0**	**3.0**	**5.0**	**7.0**	**9.0**	**11.0**	**13.0**
90.0	38.683	34.111	31.825	34.111	38.683	43.256	47.828	52.400	56.972	61.544
85.0	49.631	42.644	39.151	42.644	49.631	56.618	63.604	70.589	77.575	83.969
75.0	174.256	157.595	149.263	157.595	174.256	190.914	205.925	221.320	236.262	250.700 *
65.0	487.019 *	469.024 *	460.025 *	469.025 *	487.019 *	501.834 *	516.754 *	530.634 *	543.471 *	555.264 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

CANDELA TABULATION - (Cont.)

55.0	916.156 *	887.763 *	873.558 *	887.763 *	916.156 *	937.867 *	959.527 *	978.659 *	995.140 *	1008.858 *
47.5	1270.422 *	1250.068 *	1238.764 *	1250.068 *	1270.422 *	1287.919 *	1302.741 *	1315.080 *	1325.132 *	1333.095 *
42.5	1477.194 *	1462.030 *	1453.483 *	1462.030 *	1477.194 *	1490.113 *	1501.184 *	1510.804 *	1519.362 *	1527.230 *
37.5	1649.750 *	1643.638 *	1639.450 *	1643.638 *	1649.750 *	1653.304 *	1654.858 *	1654.961 *	1654.136 *	1652.879 *
33.0	1796.967 *	1792.970 *	1789.691 *	1792.970 *	1796.967 *	1797.157 *	1793.117 *	1784.493 *	1771.006 *	1759.374 *
29.0	1922.087 *	1911.190 *	1904.208 *	1911.190 *	1922.087 *	1928.342 *	1929.372 *	1924.711 *	1914.023 *	1907.008 *
25.5	2034.088 *	2015.523 *	2004.410 *	2015.523 *	2034.088 *	2046.990 *	2053.432 *	2052.817 *	2040.487 *	2022.181 *
22.5	2101.208 *	2082.060 *	2071.334 *	2082.060 *	2101.208 *	2117.899 *	2132.858 *	2146.754 *	2133.037 *	2104.427 *
19.5	2158.472 *	2143.334 *	2134.465 *	2143.334 *	2158.472 *	2171.011 *	2181.952 *	2183.432 *	2173.020 *	2155.927 *
17.0	2204.799 *	2193.943 *	2187.075 *	2193.943 *	2204.799 *	2213.030 *	2219.884 *	2220.408 *	2212.619 *	2196.462 *
15.0	2240.502 *	2234.617 *	2229.162 *	2234.617 *	2240.502 *	2244.514 *	2251.418 *	2255.660 *	2249.528 *	2233.358 *
13.0	2265.791 *	2256.947 *	2251.185 *	2256.947 *	2265.791 *	2270.928 *	2287.869 *	2297.442 *	2292.126 *	2271.047 *
11.0	2289.949 *	2279.879 *	2273.207 *	2279.879 *	2289.949 *	2298.785 *	2316.100 *	2333.789 *	2336.780 *	2284.117 *
9.0	2314.987 *	2303.215 *	2295.230 *	2303.215 *	2314.987 *	2327.049 *	2341.894 *	2355.629 *	2322.604 *	2281.044 *
7.0	2341.501 *	2327.294 *	2317.252 *	2327.294 *	2341.501 *	2351.742 *	2363.427 *	2334.004 *	2299.525 *	2261.146 *
5.0	2365.103 *	2354.054 *	2339.275 *	2354.054 *	2365.103 *	2370.781 *	2347.011 *	2314.892 *	2277.192 *	2245.957 *
3.0	2375.237 *	2366.190 *	2351.999 *	2366.190 *	2375.237 *	2364.774 *	2334.929 *	2308.600 *	2283.852 *	2259.483 *
1.0	2370.524 *	2372.469 *	2364.723 *	2372.469 *	2370.524 *	2368.645 *	2341.808 *	2317.159 *	2292.936 *	2268.947 *
0.0	2368.149 *	2370.106 *	2371.085 *	2370.106 *	2368.149 *	2366.191 *	2342.700 *	2319.210 *	2295.719 *	2272.229 *
-1.0	2370.524 *	2372.469 *	2364.723 *	2372.469 *	2370.524 *	2368.645 *	2341.808 *	2317.159 *	2292.936 *	2268.947 *
-3.0	2375.237 *	2366.190 *	2351.999 *	2366.190 *	2375.237 *	2364.774 *	2334.929 *	2308.600 *	2283.852 *	2259.483 *
-5.0	2365.103 *	2354.054 *	2339.275 *	2354.054 *	2365.103 *	2370.781 *	2347.011 *	2314.892 *	2277.192 *	2245.957 *
-7.0	2341.501 *	2327.294 *	2317.252 *	2327.294 *	2341.501 *	2351.742 *	2363.427 *	2334.004 *	2299.525 *	2261.146 *
-9.0	2314.987 *	2303.215 *	2295.230 *	2303.215 *	2314.987 *	2327.049 *	2341.894 *	2355.629 *	2322.604 *	2281.044 *
-11.0	2289.949 *	2279.879 *	2273.207 *	2279.879 *	2289.949 *	2298.785 *	2316.100 *	2333.789 *	2336.780 *	2284.117 *
-13.0	2265.791 *	2256.947 *	2251.185 *	2256.947 *	2265.791 *	2270.928 *	2287.869 *	2297.442 *	2292.126 *	2271.047 *
-15.0	2240.502 *	2234.617 *	2229.162 *	2234.617 *	2240.502 *	2244.514 *	2251.418 *	2255.660 *	2249.528 *	2233.358 *
-17.0	2204.799 *	2193.943 *	2187.075 *	2193.943 *	2204.799 *	2213.030 *	2219.884 *	2220.408 *	2212.619 *	2196.462 *
-19.5	2158.472 *	2143.334 *	2134.465 *	2143.334 *	2158.472 *	2171.011 *	2181.952 *	2183.432 *	2173.020 *	2155.927 *
-22.5	2101.208 *	2082.060 *	2071.334 *	2082.060 *	2101.208 *	2117.899 *	2132.858 *	2146.754 *	2133.037 *	2104.427 *
-25.5	2034.088 *	2015.523 *	2004.410 *	2015.523 *	2034.088 *	2046.990 *	2053.432 *	2052.817 *	2040.487 *	2022.181 *
-29.0	1922.087 *	1911.190 *	1904.208 *	1911.190 *	1922.087 *	1928.342 *	1929.372 *	1924.711 *	1914.023 *	1907.008 *
-33.0	1796.967 *	1792.970 *	1789.691 *	1792.970 *	1796.967 *	1797.157 *	1793.117 *	1784.493 *	1771.006 *	1759.374 *
-37.5	1649.750 *	1643.638 *	1639.450 *	1643.638 *	1649.750 *	1653.304 *	1654.858 *	1654.961 *	1654.136 *	1652.879 *
-42.5	1477.194 *	1462.030 *	1453.483 *	1462.030 *	1477.194 *	1490.113 *	1501.184 *	1510.804 *	1519.362 *	1527.231 *
-47.5	1270.422 *	1250.068 *	1238.764 *	1250.068 *	1270.422 *	1287.919 *	1302.741 *	1315.080 *	1325.132 *	1333.095 *
-55.0	916.156 *	887.763 *	873.558 *	887.763 *	916.156 *	937.867 *	959.527 *	978.659 *	995.140 *	1008.858 *
-65.0	487.019 *	469.024 *	460.025 *	469.024 *	487.019 *	501.834 *	516.754 *	530.634 *	543.471 *	555.264 *
-75.0	174.256	157.595	149.263	157.595	174.256	190.914	205.925	221.320	236.262	250.700 *
-85.0	49.631	42.644	39.151	42.644	49.631	56.618	63.604	70.589	77.575	83.969
-90.0	38.683	34.111	31.825	34.111	38.683	43.256	47.828	52.400	56.972	61.544

Vert. Angles	**Horizontal Angles**									
	15.0	**17.0**	**19.5**	**22.5**	**25.5**	**29.0**	**33.0**	**37.5**	**42.5**	**47.5**
90.0	66.116	70.688	76.402	83.259	94.688	108.020	123.255	140.392	159.431	168.947
85.0	90.677	97.310	105.484	114.839	131.301	149.527	169.658	191.307	213.985	222.660
75.0	264.583 *	277.860 *	293.533 *	309.964 *	322.144 *	335.129 *	348.360 *	361.216 *	373.036 *	374.525 *
65.0	566.013 *	575.724 *	586.410 *	588.346 *	584.122 *	578.177 *	570.476 *	561.263 *	551.694 *	548.352 *
55.0	1019.715 *	1027.623 *	1023.780 *	989.416 *	952.881 *	908.205 *	855.376 *	794.933 *	741.266 *	722.282 *
47.5	1339.167 *	1343.332 *	1327.017 *	1296.632 *	1253.959 *	1188.027 *	1098.818 *	1011.394 *	922.994 *	857.271 *
42.5	1534.762 *	1541.016 *	1533.284 *	1510.482 *	1472.376 *	1408.185 *	1308.747 *	1149.335 *	1019.634 *	936.283 *
37.5	1657.612 *	1668.571 *	1678.407 *	1684.630 *	1684.951 *	1641.991 *	1514.721 *	1326.001 *	1116.783 *	996.894 *
33.0	1774.069 *	1785.364 *	1794.764 *	1799.333 *	1796.937 *	1779.177 *	1672.502 *	1466.075 *	1239.470 *	1034.223 *
29.0	1902.839 *	1900.835 *	1902.354 *	1905.081 *	1899.432 *	1844.912 *	1743.920 *	1573.259 *	1333.344 *	1099.089 *
25.5	2006.798 *	1995.187 *	1986.854 *	1986.764 *	1978.522 *	1917.476 *	1809.326 *	1644.440 *	1402.702 *	1164.716 *

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CANDELA TABULATION - (Cont.)

22.5	2079.268 *	2059.793 *	2044.034 *	2035.403 *	2028.338 *	1991.492 *	1872.952 *	1695.087 *	1452.054 *	1219.458 *
19.5	2132.173 *	2105.821 *	2087.884 *	2077.303 *	2067.999 *	2058.866 *	1942.933 *	1748.226 *	1506.063 *	1267.563 *
17.0	2172.277 *	2143.569 *	2121.515 *	2109.046 *	2098.321 *	2087.908 *	2005.254 *	1795.076 *	1545.651 *	1302.375 *
15.0	2206.546 *	2176.636 *	2148.635 *	2132.186 *	2120.698 *	2109.637 *	2053.505 *	1830.361 *	1574.258 *	1326.672 *
13.0	2231.207 *	2200.252 *	2172.462 *	2153.225 *	2141.370 *	2128.214 *	2091.537 *	1861.945 *	1599.862 *	1347.747 *
11.0	2243.732 *	2213.754 *	2188.354 *	2172.029 *	2158.165 *	2134.448 *	2105.827 *	1889.579 *	1621.927 *	1365.557 *
9.0	2243.235 *	2216.861 *	2196.453 *	2183.199 *	2165.047 *	2140.093 *	2110.305 *	1913.016 *	1640.283 *	1380.071 *
7.0	2229.542 *	2212.555 *	2202.419 *	2189.052 *	2171.250 *	2145.059 *	2114.134 *	1932.019 *	1654.774 *	1391.274 *
5.0	2228.869 *	2220.444 *	2209.022 *	2194.407 *	2176.645 *	2149.254 *	2117.249 *	1946.365 *	1665.254 *	1399.165 *
3.0	2237.522 *	2227.758 *	2214.996 *	2199.125 *	2181.099 *	2152.582 *	2119.585 *	1955.854 *	1671.591 *	1403.760 *
1.0	2245.496 *	2234.199 *	2220.128 *	2203.062 *	2184.480 *	2154.953 *	2121.081 *	1960.313 *	1673.676 *	1405.090 *
0.0	2248.738 *	2236.993 *	2222.311 *	2204.693 *	2185.729 *	2155.754 *	2121.497 *	1960.610 *	1673.095 *	1404.543 *
-1.0	2245.496 *	2234.199 *	2220.128 *	2203.062 *	2184.480 *	2154.953 *	2121.081 *	1960.313 *	1673.676 *	1405.090 *
-3.0	2237.522 *	2227.758 *	2214.996 *	2199.125 *	2181.099 *	2152.582 *	2119.585 *	1955.854 *	1671.591 *	1403.760 *
-5.0	2228.869 *	2220.444 *	2209.022 *	2194.407 *	2176.645 *	2149.254 *	2117.249 *	1946.365 *	1665.254 *	1399.165 *
-7.0	2229.542 *	2212.555 *	2202.419 *	2189.052 *	2171.250 *	2145.059 *	2114.134 *	1932.019 *	1654.774 *	1391.274 *
-9.0	2243.235 *	2216.861 *	2196.453 *	2183.199 *	2165.047 *	2140.093 *	2110.305 *	1913.016 *	1640.283 *	1380.071 *
-11.0	2243.732 *	2213.754 *	2188.354 *	2172.029 *	2158.165 *	2134.448 *	2105.827 *	1889.579 *	1621.927 *	1365.557 *
-13.0	2231.207 *	2200.252 *	2172.462 *	2153.225 *	2141.370 *	2128.214 *	2091.537 *	1861.945 *	1599.862 *	1347.747 *
-15.0	2206.546 *	2176.636 *	2148.635 *	2132.185 *	2120.698 *	2109.637 *	2053.505 *	1830.361 *	1574.258 *	1326.672 *
-17.0	2172.277 *	2143.570 *	2121.516 *	2109.046 *	2098.321 *	2087.908 *	2005.254 *	1795.076 *	1545.651 *	1302.375 *
-19.5	2132.173 *	2105.821 *	2087.884 *	2077.303 *	2067.999 *	2058.866 *	1942.933 *	1748.226 *	1506.063 *	1267.563 *
-22.5	2079.268 *	2059.793 *	2044.034 *	2035.403 *	2028.338 *	1991.492 *	1872.952 *	1695.087 *	1452.054 *	1219.458 *
-25.5	2006.798 *	1995.187 *	1986.854 *	1986.764 *	1978.522 *	1917.476 *	1809.326 *	1644.440 *	1402.702 *	1164.716 *
-29.0	1902.839 *	1900.835 *	1902.354 *	1905.081 *	1899.432 *	1844.912 *	1743.920 *	1573.259 *	1333.344 *	1099.089 *
-33.0	1774.069 *	1785.364 *	1794.764 *	1799.333 *	1796.937 *	1779.177 *	1672.502 *	1466.075 *	1239.470 *	1034.223 *
-37.5	1657.612 *	1668.571 *	1678.407 *	1684.630 *	1684.951 *	1641.991 *	1514.721 *	1326.001 *	1116.783 *	996.894 *
-42.5	1534.762 *	1541.016 *	1533.284 *	1510.482 *	1472.376 *	1408.185 *	1308.747 *	1149.335 *	1019.634 *	936.283 *
-47.5	1339.167 *	1343.332 *	1327.017 *	1296.632 *	1253.959 *	1188.027 *	1098.818 *	1011.394 *	922.994 *	857.271 *
-55.0	1019.714 *	1027.623 *	1023.780 *	989.416 *	952.881 *	908.205 *	855.376 *	794.933 *	741.266 *	722.282 *
-65.0	566.013 *	575.724 *	586.410 *	588.346 *	584.122 *	578.177 *	570.476 *	561.263 *	551.694 *	548.352 *
-75.0	264.583 *	277.860 *	293.533 *	309.964 *	322.144 *	335.129 *	348.360 *	361.216 *	373.036 *	374.525 *
-85.0	90.677	97.310	105.484	114.839	131.301	149.527	169.658	191.307	213.985	222.660
-90.0	66.116	70.688	76.402	83.259	94.688	108.020	123.255	140.392	159.431	168.947

Vert. Angles	**Horizontal Angles**				
	55.0	**65.0**	**75.0**	**85.0**	**90.0**
90.0	168.935	168.914	166.438	163.144	161.501
85.0	216.861	206.507	189.354	170.672	161.516
75.0	357.515 *	304.273 *	234.447	185.485	161.545
65.0	530.236 *	453.169 *	308.250 *	199.550	161.573
55.0	683.523 *	600.240 *	404.815 *	212.427	161.599
47.5	792.265 *	686.251 *	473.030 *	221.064	161.616
42.5	862.812 *	731.681 *	515.974 *	226.250	161.627
37.5	910.236 *	773.694 *	556.510 *	230.932	161.636
33.0	940.802 *	808.287 *	590.635 *	234.685	161.644
29.0	963.108 *	836.289 *	618.855 *	237.635 *	161.649
25.5	979.825 *	858.562 *	641.744 *	239.907 *	161.654
22.5	992.068 *	875.943 *	659.908 *	241.618 *	161.658
19.5	1002.415 *	891.711 *	676.632 *	243.106 *	161.661
17.0	1009.632 *	903.603 *	689.400 *	244.173 *	161.663
15.0	1014.518 *	912.293 *	698.811 *	244.912 *	161.664
13.0	1018.651 *	920.250 *	707.479 *	245.547 *	161.666
11.0	1022.067 *	927.474 *	715.375 *	247.661 *	161.667
9.0	1024.809 *	933.967 *	722.473 *	247.567 *	161.668

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CANDELA TABULATION - (Cont.)

7.0	1026.924	*939.735 *	728.748 *	247.473 *	161.668
5.0	1028.463	*944.782 *	737.032 *	247.379 *	161.669
3.0	1029.934	*949.898 *	739.763 *	247.284 *	161.669
1.0	1030.086	*952.836 *	742.500 *	247.189 *	161.669
0.0	1030.162	*954.307 *	743.870 *	247.141 *	161.669
-1.0	1030.086	*952.836 *	742.500 *	247.189 *	161.669
-3.0	1029.934	*949.898 *	739.763 *	247.284 *	161.669
-5.0	1028.463	*944.782 *	737.032 *	247.379 *	161.669
-7.0	1026.924	*939.735 *	728.748 *	247.473 *	161.668
-9.0	1024.809	*933.967 *	722.473 *	247.567 *	161.668
-11.0	1022.067	*927.474 *	715.375 *	247.661 *	161.667
-13.0	1018.651	*920.250 *	707.479 *	245.547 *	161.666
-15.0	1014.518	*912.293 *	698.811 *	244.912 *	161.664
-17.0	1009.632	*903.603 *	689.400 *	244.173 *	161.663
-19.5	1002.415	*891.711 *	676.632 *	243.106 *	161.661
-22.5	992.068 *	875.943 *	659.908 *	241.618 *	161.658
-25.5	979.825 *	858.562 *	641.744 *	239.907 *	161.654
-29.0	963.108 *	836.289 *	618.855 *	237.635 *	161.649
-33.0	940.802 *	808.287 *	590.635 *	234.685	161.644
-37.5	910.236 *	773.694 *	556.510 *	230.932	161.636
-42.5	862.812 *	731.681 *	515.974 *	226.250	161.627
-47.5	792.265 *	686.251 *	473.030 *	221.064	161.616
-55.0	683.522 *	600.240 *	404.815 *	212.427	161.599
-65.0	530.236 *	453.169 *	308.250 *	199.550	161.573
-75.0	357.515 *	304.273 *	234.447	185.485	161.545
-85.0	216.861	206.507	189.354	170.672	161.516
-90.0	168.935	168.914	166.438	163.144	161.501

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LUMEN TABULATION
Average Of Right And Left Sides
Total Luminaire Lumens (one side of beam only) = 3330.07
Total Field Lumens (one side of beam only) = 3267.2
* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	0	1	3	5	7	9	11	13	15	17
90	0.06	0.13	0.14	0.16	0.18	0.19	0.21	0.22	0.24	0.32
85	0.30	0.65	0.72	0.78	0.85	0.91	0.97	1.02	1.07	1.40
75	0.94 *	1.96 *	2.06 *	2.14 *	2.22 *	2.30 *	2.36 *	2.42 *	2.47 *	3.13 *
65	2.05 *	4.20 *	4.32 *	4.42 *	4.50 *	4.57 *	4.62 *	4.65 *	4.67 *	5.81 *
55	2.43 *	4.94 *	5.03 *	5.10 *	5.15 *	5.19 *	5.21 *	5.21 *	5.19 *	6.40 *
47.5	2.06 *	4.16 *	4.20 *	4.23 *	4.25 *	4.25 *	4.25 *	4.24 *	4.22 *	5.19 *
42.5	2.36 *	4.74 *	4.76 *	4.77 *	4.77 *	4.75 *	4.73 *	4.71 *	4.69 *	5.80 *
37.5	2.35 *	4.71 *	4.72 *	4.70 *	4.67 *	4.63 *	4.58 *	4.55 *	4.54 *	5.64 *
33	2.25 *	4.52 *	4.52 *	4.51 *	4.48 *	4.44 *	4.38 *	4.34 *	4.31 *	5.34 *
29	2.09 *	4.20 *	4.22 *	4.22 *	4.20 *	4.16 *	4.11 *	4.05 *	4.00 *	4.93 *
25.5	1.87 *	3.76 *	3.78 *	3.79 *	3.79 *	3.77 *	3.71 *	3.64 *	3.58 *	4.39 *
22.5	1.93 *	3.87 *	3.90 *	3.91 *	3.91 *	3.89 *	3.83 *	3.76 *	3.68 *	4.50 *
19.5	1.65 *	3.31 *	3.32 *	3.33 *	3.32 *	3.30 *	3.25 *	3.20 *	3.13 *	3.82 *
17	1.35 *	2.70 *	2.71 *	2.70 *	2.70 *	2.68 *	2.65 *	2.60 *	2.55 *	3.11 *
15	1.37 *	2.74 *	2.74 *	2.74 *	2.74 *	2.73 *	2.70 *	2.64 *	2.58 *	3.15 *
13	1.38 *	2.77 *	2.77 *	2.78 *	2.79 *	2.78 *	2.74 *	2.67 *	2.60 *	3.17 *
11	1.39 *	2.80 *	2.80 *	2.81 *	2.82 *	2.80 *	2.75 *	2.68 *	2.61 *	3.19 *
9	1.41 *	2.83 *	2.84 *	2.84 *	2.83 *	2.79 *	2.73 *	2.66 *	2.61 *	3.19 *
7	1.42 *	2.86 *	2.87 *	2.86 *	2.82 *	2.77 *	2.71 *	2.65 *	2.60 *	3.20 *
5	1.43 *	2.88 *	2.88 *	2.85 *	2.81 *	2.76 *	2.70 *	2.65 *	2.61 *	3.21 *
3	1.44 *	2.89 *	2.88 *	2.85 *	2.81 *	2.76 *	2.71 *	2.66 *	2.62 *	3.22 *
1	0.72 *	1.44 *	1.44 *	1.43 *	1.41 *	1.38 *	1.36 *	1.34 *	1.31 *	1.61 *
0	0.72 *	1.44 *	1.44 *	1.43 *	1.41 *	1.38 *	1.36 *	1.34 *	1.31 *	1.61 *
-1	1.44 *	2.89 *	2.88 *	2.85 *	2.81 *	2.76 *	2.71 *	2.66 *	2.62 *	3.22 *

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PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

LUMENS TABULATION - (Cont.)

-3	1.43 *	2.88 *	2.88 *	2.85 *	2.81 *	2.76 *	2.70 *	2.65 *	2.61 *	3.21 *
-5	1.42 *	2.86 *	2.87 *	2.86 *	2.82 *	2.77 *	2.71 *	2.65 *	2.60 *	3.20 *
-7	1.41 *	2.83 *	2.84 *	2.84 *	2.83 *	2.79 *	2.73 *	2.66 *	2.61 *	3.19 *
-9	1.39 *	2.80 *	2.80 *	2.81 *	2.82 *	2.80 *	2.75 *	2.68 *	2.61 *	3.19 *
-11	1.38 *	2.77 *	2.77 *	2.78 *	2.79 *	2.78 *	2.74 *	2.67 *	2.60 *	3.17 *
-13	1.37 *	2.74 *	2.74 *	2.74 *	2.74 *	2.73 *	2.70 *	2.64 *	2.58 *	3.15 *
-15	1.35 *	2.70 *	2.71 *	2.70 *	2.70 *	2.68 *	2.65 *	2.60 *	2.55 *	3.11 *
-17	1.65 *	3.31 *	3.32 *	3.33 *	3.32 *	3.30 *	3.25 *	3.20 *	3.13 *	3.82 *
-19.5	1.93 *	3.87 *	3.90 *	3.91 *	3.91 *	3.89 *	3.83 *	3.76 *	3.68 *	4.50 *
-22.5	1.87 *	3.76 *	3.78 *	3.79 *	3.79 *	3.77 *	3.71 *	3.64 *	3.58 *	4.39 *
-25.5	2.09 *	4.20 *	4.22 *	4.22 *	4.20 *	4.16 *	4.11 *	4.05 *	4.00 *	4.93 *
-29	2.25 *	4.52 *	4.52 *	4.51 *	4.48 *	4.44 *	4.38 *	4.34 *	4.31 *	5.34 *
-33	2.35 *	4.71 *	4.72 *	4.70 *	4.67 *	4.63 *	4.58 *	4.55 *	4.54 *	5.64 *
-37.5	2.36 *	4.74 *	4.76 *	4.77 *	4.77 *	4.75 *	4.73 *	4.71 *	4.69 *	5.80 *
-42.5	2.06 *	4.16 *	4.20 *	4.23 *	4.25 *	4.25 *	4.25 *	4.24 *	4.22 *	5.19 *
-47.5	2.43 *	4.94 *	5.03 *	5.10 *	5.15 *	5.19 *	5.21 *	5.21 *	5.19 *	6.40 *
-55	2.05 *	4.20 *	4.32 *	4.42 *	4.50 *	4.57 *	4.62 *	4.65 *	4.67 *	5.81 *
-65	0.94 *	1.96 *	2.06 *	2.14 *	2.22 *	2.30 *	2.36 *	2.42 *	2.47 *	3.13 *
-75	0.30	0.65	0.72	0.78	0.85	0.91	0.97	1.02	1.07	1.40
-85	0.06	0.13	0.14	0.16	0.18	0.19	0.21	0.22	0.24	0.32
-90										
Total	68.47	138.09	139.22	139.87	140.05	139.60	138.52	137.14	135.73	167.42

Vert. Angles	**Horizontal Angles**									
	19.5	**22.5**	**25.5**	**29**	**33**	**37.5**	**42.5**	**47.5**	**55**	**65**
90	0.41	0.44	0.57	0.72	0.87	1.03	1.03	1.39	1.45	0.95
85	1.76	1.83	2.22	2.62 *	3.00 *	3.32 *	3.19 *	4.19 *	4.13 *	2.43
75	3.79 *	3.77 *	4.31 *	4.78 *	5.15 *	5.39 *	4.97 *	6.47 *	6.26 *	3.38 *
65	6.80 *	6.50 *	7.16 *	7.60 *	7.78 *	7.72 *	6.90 *	8.88 *	8.62 *	4.60 *
55	7.42 *	7.03 *	7.65 *	7.93 *	7.89 *	7.59 *	6.55 *	8.19 *	7.88 *	4.22 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

LUMENS TABULATION - (Cont.)

47.5	6.04 *	5.77 *	6.31 *	6.53 *	6.39 *	5.98 *	5.03 *	6.16 *	5.84 *	3.13 *
42.5	6.83 *	6.63 *	7.35 *	7.67 *	7.41 *	6.72 *	5.48 *	6.62 *	6.23 *	3.35 *
37.5	6.68 *	6.54 *	7.36 *	7.76 *	7.53 *	6.76 *	5.31 *	6.24 *	5.87 *	3.19 *
33	6.31 *	6.18 *	6.94 *	7.35 *	7.22 *	6.55 *	5.07 *	5.77 *	5.40 *	2.97 *
29	5.81 *	5.68 *	6.34 *	6.68 *	6.63 *	6.08 *	4.71 *	5.26 *	4.84 *	2.69 *
25.5	5.15 *	5.03 *	5.63 *	5.95 *	5.89 *	5.42 *	4.23 *	4.67 *	4.23 *	2.37 *
22.5	5.27 *	5.14 *	5.79 *	6.16 *	6.09 *	5.60 *	4.40 *	4.80 *	4.29 *	2.42 *
19.5	4.48 *	4.36 *	4.92 *	5.28 *	5.24 *	4.81 *	3.78 *	4.09 *	3.62 *	2.06 *
17	3.63 *	3.53 *	3.99 *	4.31 *	4.30 *	3.93 *	3.09 *	3.32 *	2.92 *	1.67 *
15	3.67 *	3.57 *	4.03 *	4.38 *	4.39 *	4.00 *	3.15 *	3.36 *	2.94 *	1.69 *
13	3.70 *	3.60 *	4.06 *	4.42 *	4.45 *	4.07 *	3.19 *	3.40 *	2.96 *	1.70 *
11	3.73 *	3.62 *	4.07 *	4.43 *	4.49 *	4.12 *	3.23 *	3.42 *	2.97 *	1.72 *
9	3.74 *	3.63 *	4.09 *	4.44 *	4.52 *	4.16 *	3.27 *	3.45 *	2.99 *	1.73 *
7	3.75 *	3.64 *	4.10 *	4.45 *	4.54 *	4.20 *	3.29 *	3.46 *	3.00 *	1.74 *
5	3.76 *	3.65 *	4.10 *	4.46 *	4.55 *	4.22 *	3.31 *	3.47 *	3.01 *	1.75 *
3	3.77 *	3.66 *	4.11 *	4.46 *	4.56 *	4.23 *	3.31 *	3.48 *	3.01 *	1.76 *
1	1.89 *	1.83 *	2.06 *	2.23 *	2.28 *	2.12 *	1.66 *	1.74 *	1.51 *	0.88 *
0	1.89 *	1.83 *	2.06 *	2.23 *	2.28 *	2.12 *	1.66 *	1.74 *	1.51 *	0.88 *
-1	3.77 *	3.66 *	4.11 *	4.46 *	4.56 *	4.23 *	3.31 *	3.48 *	3.01 *	1.76 *
-3	3.76 *	3.65 *	4.10 *	4.46 *	4.55 *	4.22 *	3.31 *	3.47 *	3.01 *	1.75 *
-5	3.75 *	3.64 *	4.10 *	4.45 *	4.54 *	4.20 *	3.29 *	3.46 *	3.00 *	1.74 *
-7	3.74 *	3.63 *	4.09 *	4.44 *	4.52 *	4.16 *	3.27 *	3.45 *	2.99 *	1.73 *
-9	3.73 *	3.62 *	4.07 *	4.43 *	4.49 *	4.12 *	3.23 *	3.42 *	2.97 *	1.72 *
-11	3.70 *	3.60 *	4.06 *	4.42 *	4.45 *	4.07 *	3.19 *	3.40 *	2.96 *	1.70 *
-13	3.67 *	3.57 *	4.03 *	4.38 *	4.39 *	4.00 *	3.15 *	3.36 *	2.94 *	1.69 *
-15	3.63 *	3.53 *	3.99 *	4.31 *	4.30 *	3.93 *	3.09 *	3.32 *	2.92 *	1.67 *
-17	4.48 *	4.36 *	4.92 *	5.28 *	5.24 *	4.81 *	3.78 *	4.09 *	3.62 *	2.06 *
-19.5	5.27 *	5.14 *	5.79 *	6.16 *	6.09 *	5.60 *	4.40 *	4.80 *	4.29 *	2.42 *

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IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

LUMENS TABULATION - (Cont.)

-22.5	5.15 *	5.03 *	5.63 *	5.95 *	5.89 *	5.42 *	4.23 *	4.67 *	4.23 *	2.37 *
-25.5	5.81 *	5.68 *	6.34 *	6.68 *	6.63 *	6.08 *	4.71 *	5.26 *	4.84 *	2.69 *
-29	6.31 *	6.18 *	6.94 *	7.35 *	7.22 *	6.55 *	5.07 *	5.77 *	5.40 *	2.97 *
-33	6.68 *	6.54 *	7.36 *	7.76 *	7.53 *	6.76 *	5.31 *	6.24 *	5.87 *	3.19 *
-37.5	6.83 *	6.63 *	7.35 *	7.67 *	7.41 *	6.72 *	5.48 *	6.62 *	6.23 *	3.35 *
-42.5	6.04 *	5.77 *	6.31 *	6.53 *	6.39 *	5.98 *	5.03 *	6.16 *	5.84 *	3.13 *
-47.5	7.42 *	7.03 *	7.65 *	7.93 *	7.89 *	7.59 *	6.55 *	8.19 *	7.88 *	4.22 *
-55	6.80 *	6.50 *	7.16 *	7.60 *	7.78 *	7.72 *	6.90 *	8.88 *	8.62 *	4.60 *
-65	3.79 *	3.77 *	4.31 *	4.78 *	5.15 *	5.39 *	4.97 *	6.47 *	6.26 *	3.38 *
-75	1.76	1.83	2.22	2.62 *	3.00 *	3.32 *	3.19 *	4.19 *	4.13 *	2.43
-85	0.41	0.44	0.57	0.72	0.87	1.03	1.03	1.39	1.45	0.95
-90										
Total	196.78	191.27	214.29	229.25	230.37	216.05	176.29	203.65	187.93	104.82

Vert. Angles	**Horizontal Angles**		
	75	**85**	**90**	**Total**
90	0.46	0.05	11.21
85	1.03	0.11	38.47
75	1.23	0.12	71.62
65	1.49 *	0.12	117.99
55	1.30 *	0.09	123.58
47.5	0.95 *	0.06	99.23
42.5	1.01 *	0.06	111.47
37.5	0.96 *	0.06	109.37
33	0.89 *	0.05	103.80
29	0.80 *	0.05	95.74
25.5	0.71 *	0.04	85.38
22.5	0.72 *	0.04	87.90
19.5	0.61 *	0.03	74.92
17	0.50 *	0.03	60.97

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LUMENS TABULATION - (Cont.)

15			
	0.50 *	0.03	61.82
13			
	0.51 *	0.03	62.52
11			
	0.51 *	0.03	63.00
9			
	0.51 *	0.03	63.29
7			
	0.52 *	0.03	63.47
5			
	0.52 *	0.03	63.62
3			
	0.52 *	0.03	63.75
1			
	0.26 *	0.01	31.92
0			
	0.26 *	0.01	31.92
-1			
	0.52 *	0.03	63.75
-3			
	0.52 *	0.03	63.62
-5			
	0.52 *	0.03	63.47
-7			
	0.51 *	0.03	63.29
-9			
	0.51 *	0.03	63.00
-11			
	0.51 *	0.03	62.52
-13			
	0.50 *	0.03	61.82
-15			
	0.50 *	0.03	60.97
-17			
	0.61 *	0.03	74.92
-19.5			
	0.72 *	0.04	87.90
-22.5			
	0.71 *	0.04	85.38
-25.5			
	0.80 *	0.05	95.74
-29			
	0.89 *	0.05	103.80
-33			
	0.96 *	0.06	109.37
-37.5			
	1.01 *	0.06	111.47
-42.5			
	0.95 *	0.06	99.23
-47.5			
	1.30 *	0.09	123.58
-55			
	1.49 *	0.12	117.99
-65			
	1.23	0.12	71.62

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Results derived from content of manufacturers photometric file.

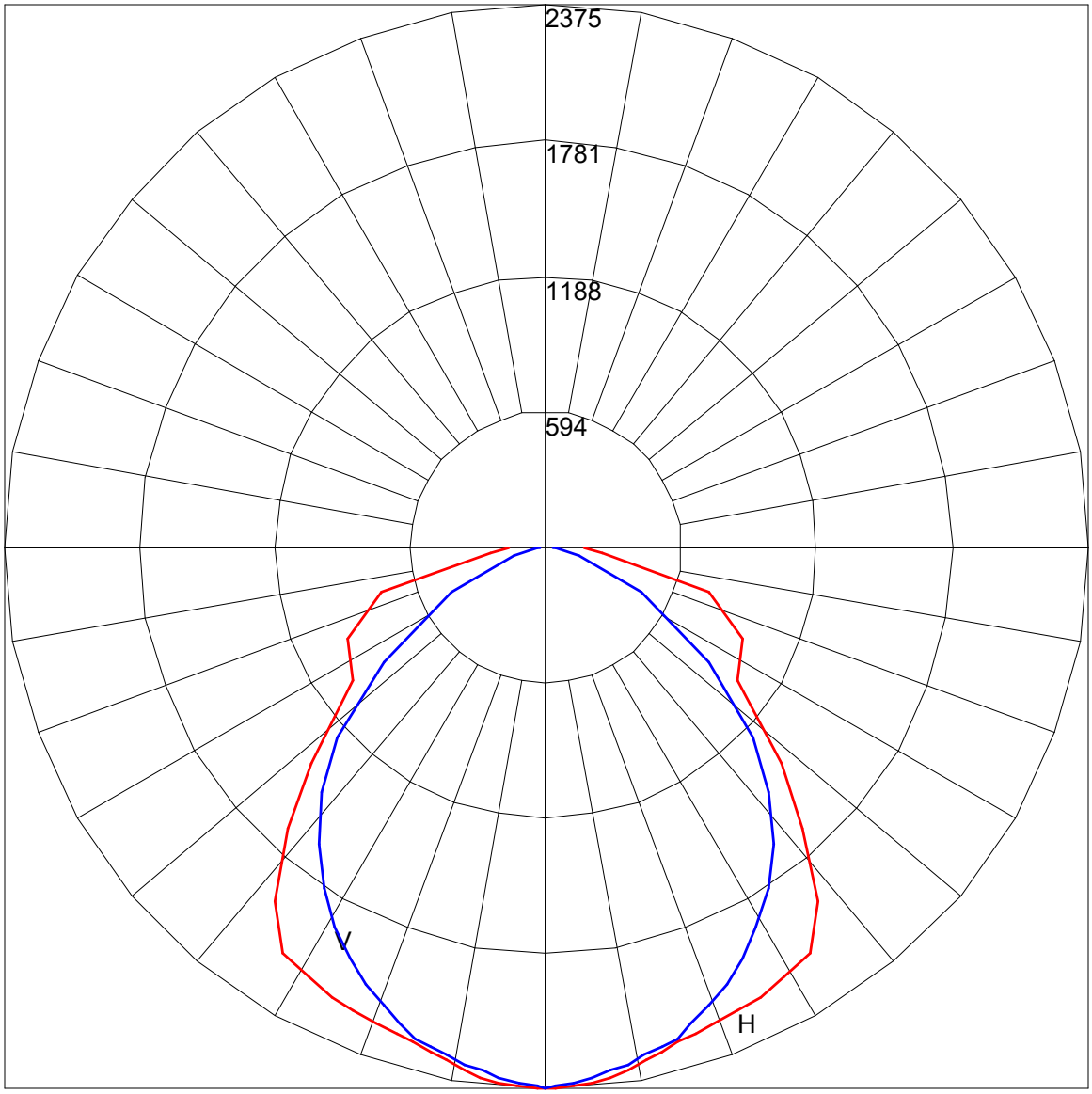
IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

LUMENS TABULATION - (Cont.)

-75			
	1.03	0.11	38.47
-85			
	0.46	0.05	11.21
-90			
Total	32.99	2.27	3330.07

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

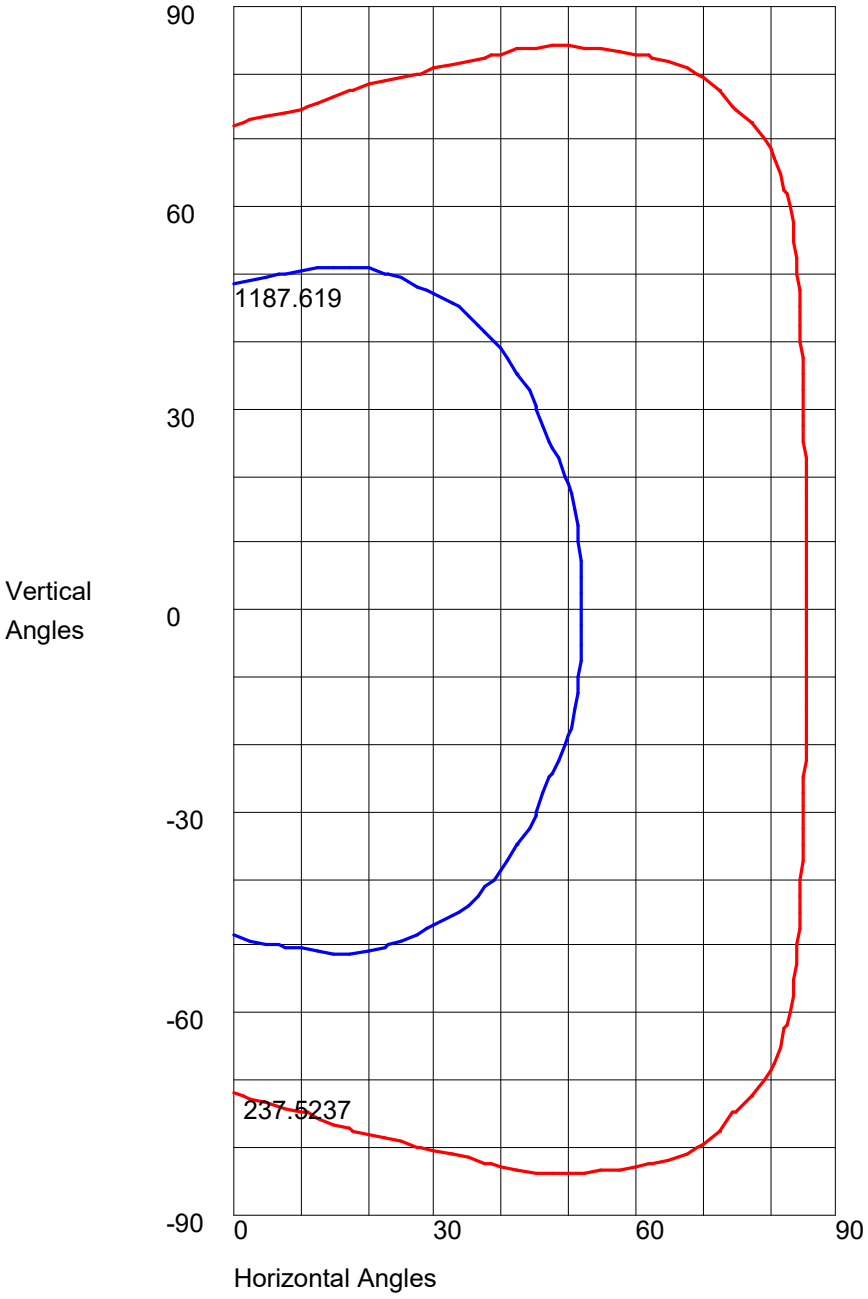
AXIAL CANDELA DISPLAY



Maximum Candela = 2375.237 Located At Horizontal Angle =-3, Vertical Angle =-3
H - Horizontal Axial Candela
V - Vertical Axial Candela

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GVP-48-2L-LED.IES

ISOCANDELA CURVES



Maximum Candela = 2375.237 Located At Horizontal Angle =-3, Vertical Angle =-3
50% Maximum Candela = 1187.6185
10% Maximum Candela = 237.5237