



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12562
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 03/03/21
[MANUFACT] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-VWF-40-80-HGS
[OTHER] TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor
[SEARCH_COLORTEMP] 4000

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

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	3154
Maximum Candela Angle	-11H 47.5V
Horizontal Beam Angle (50%)	119.1
Vertical Beam Angle (50%)	97.5
Horizontal Field Angle (10%)	145.4
Vertical Field Angle (10%)	134.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	6018
Beam Efficiency	N.A.
Field Lumens	7400
Field Efficiency	N.A.
Spill Lumens	121
Luminaire Lumens	7521
Total Efficiency	N.A.
Total Luminaire Watts	142
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	15	85	112
75	97	75	1233
65	1048	65	2593
55	1681	55	3074
47.5	1806	47.5	3124
42.5	1884	42.5	2907
37.5	1908	37.5	2695
33	1909	33	2500
29	1899	29	2323
25.5	1880	25.5	2180
22.5	1865	22.5	2077
19.5	1854	19.5	1989
17	1836	17	1925
15	1823	15	1879
13	1804	13	1839
11	1782	11	1803
9	1761	9	1771
7	1744	7	1743
5	1729	5	1719
3	1719	3	1699
1	1704	1	1695
0	1696	0	1696
-1	1704	-1	1692
-3	1719	-3	1688
-5	1729	-5	1691
-7	1744	-7	1700
-9	1761	-9	1713
-11	1782	-11	1730
-13	1804	-13	1748
-15	1823	-15	1765
-17	1836	-17	1783
-19.5	1854	-19.5	1686
-22.5	1865	-22.5	1647
-25.5	1880	-25.5	1511
-29	1899	-29	1421
-33	1909	-33	1190
-37.5	1908	-37.5	1239
-42.5	1884	-42.5	1128
-47.5	1806	-47.5	521
-55	1681	-55	45
-65	1048	-65	0
-75	97	-75	1
-85	15	-85	18
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 3154

Beam Edge = 1577 Cd (50% of Max.)

Field Edge = 315.4 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	2	14	35	87	98	109	122	127	122
75.0	0	7	35	60	293	656 *	865 *	972 *	1098 *	1166 *
65.0	0	11	48	180	1067 *	1518 *	1728 *	1965 *	2101 *	2204 *
55.0	0	14	68	780 *	1779 *	2071 *	2402 *	2484 *	2670 *	2740 *
47.5	0	15	88	1081 *	1994 *	2362 *	2538 *	2684 *	2772 *	2872 *
42.5	0	16	140	1213 *	2058 *	2342 *	2489 *	2593 *	2671 *	2751 *
37.5	0	17	170	1312 *	2034 *	2294 *	2420 *	2513 *	2576 *	2623 *
33.0	0	17	179	1344 *	2018 *	2250 *	2369 *	2436 *	2479 *	2510 *
29.0	0	17	195	1349 *	2003 *	2215 *	2316 *	2362 *	2396 *	2411 *
25.5	0	17	197	1355 *	1977 *	2176 *	2264 *	2296 *	2320 *	2326 *
22.5	0	17	191	1331 *	1954 *	2134 *	2213 *	2238 *	2254 *	2260 *
19.5	0	17	179	1311 *	1923 *	2093 *	2159 *	2182 *	2195 *	2195 *
17.0	0	17	176	1291 *	1895 *	2058 *	2116 *	2142 *	2149 *	2142 *
15.0	0	17	173	1273 *	1872 *	2029 *	2085 *	2112 *	2115 *	2104 *
13.0	0	17	167	1254 *	1849 *	2001 *	2057 *	2083 *	2084 *	2069 *
11.0	0	17	160	1232 *	1825 *	1973 *	2029 *	2053 *	2053 *	2037 *
9.0	0	16	151	1205 *	1802 *	1946 *	2002 *	2025 *	2023 *	2007 *
7.0	0	16	141	1175 *	1777 *	1917 *	1974 *	1997 *	1994 *	1978 *
5.0	0	16	131	1142 *	1751 *	1888 *	1946 *	1970 *	1967 *	1951 *
3.0	0	15	117	1111 *	1726 *	1858 *	1922 *	1945 *	1941 *	1925 *
1.0	0	15	104	1069 *	1696 *	1823 *	1897 *	1920 *	1920 *	1908 *
0.0	0	15	97	1048 *	1681 *	1806 *	1884 *	1908 *	1909 *	1899 *
-1.0	0	15	95	1029 *	1668 *	1796 *	1874 *	1900 *	1901 *	1891 *
-3.0	0	15	92	992 *	1641 *	1777 *	1853 *	1884 *	1883 *	1875 *
-5.0	0	14	89	945 *	1607 *	1755 *	1831 *	1869 *	1875 *	1871 *
-7.0	0	14	85	899 *	1572 *	1736 *	1815 *	1857 *	1868 *	1867 *
-9.0	0	14	81	850 *	1528 *	1716 *	1796 *	1843 *	1862 *	1863 *
-11.0	0	14	77	802 *	1481 *	1695 *	1776 *	1829 *	1856 *	1861 *
-13.0	0	13	73	750 *	1430 *	1671 *	1752 *	1807 *	1847 *	1858 *
-15.0	0	13	69	698 *	1375 *	1645 *	1712 *	1773 *	1832 *	1854 *
-17.0	0	12	66	643 *	1317 *	1617 *	1651 *	1725 *	1814 *	1801 *
-19.5	0	12	62	571 *	1239 *	1511 *	1568 *	1649 *	1736 *	1730 *
-22.5	0	11	58	479 *	1130 *	1375 *	1454 *	1530 *	1594 *	1619 *
-25.5	0	11	54	389 *	1001 *	1239 *	1318 *	1397 *	1451 *	1483 *
-29.0	0	10	49	281	861 *	1054 *	1154 *	1227 *	1286 *	1344 *
-33.0	0	9	44	167	683 *	879 *	998 *	1032 *	1118 *	1096 *
-37.5	0	8	37	85	473 *	731 *	849 *	900 *	998 *	1041 *
-42.5	0	7	29	63	208	473 *	626 *	684 *	785 *	849 *
-47.5	0	6	21	46	75	194	256	335 *	358 *	375 *
-55.0	0	4	12	24	36	40	44	43	45	45
-65.0	0	3	4	5	6	6	5	5	4	5
-75.0	0	2	2	3	2	2	2	2	2	2
-85.0	0	1	1	13	54	59	70	82	85	74
-90.0	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	119	116	113	111	109	109	109	109	108	108
75.0	1270 *	1320 *	1310 *	1284 *	1253 *	1250 *	1252 *	1246 *	1232 *	1231 *
65.0	2353 *	2430 *	2423 *	2435 *	2455 *	2484 *	2515 *	2542 *	2565 *	2584 *
55.0	2826 *	2888 *	2952 *	3007 *	3046 *	3083 *	3088 *	3083 *	3081 *	3081 *
47.5	2945 *	3001 *	3059 *	3091 *	3113 *	3135 *	3154 *	3145 *	3139 *	3135 *
42.5	2800 *	2844 *	2888 *	2916 *	2922 *	2928 *	2934 *	2930 *	2922 *	2918 *
37.5	2663 *	2694 *	2715 *	2730 *	2734 *	2730 *	2726 *	2723 *	2713 *	2706 *
33.0	2535 *	2553 *	2564 *	2567 *	2570 *	2561 *	2544 *	2530 *	2518 *	2509 *
29.0	2420 *	2426 *	2431 *	2423 *	2413 *	2403 *	2383 *	2364 *	2349 *	2338 *
25.5	2325 *	2321 *	2315 *	2306 *	2289 *	2271 *	2252 *	2230 *	2214 *	2201 *
22.5	2252 *	2240 *	2225 *	2210 *	2196 *	2174 *	2151 *	2131 *	2112 *	2099 *
19.5	2181 *	2167 *	2147 *	2126 *	2109 *	2090 *	2064 *	2044 *	2024 *	2009 *
17.0	2128 *	2115 *	2090 *	2066 *	2045 *	2024 *	2001 *	1979 *	1961 *	1946 *
15.0	2087 *	2072 *	2049 *	2022 *	2004 *	1980 *	1956 *	1934 *	1917 *	1900 *
13.0	2047 *	2032 *	2009 *	1986 *	1966 *	1942 *	1916 *	1894 *	1875 *	1860 *
11.0	2014 *	1997 *	1974 *	1952 *	1935 *	1909 *	1880 *	1858 *	1840 *	1824 *
9.0	1985 *	1967 *	1944 *	1922 *	1906 *	1883 *	1854 *	1827 *	1809 *	1792 *
7.0	1957 *	1941 *	1919 *	1898 *	1880 *	1858 *	1833 *	1808 *	1783 *	1766 *
5.0	1930 *	1917 *	1897 *	1875 *	1859 *	1838 *	1814 *	1791 *	1770 *	1745 *
3.0	1905 *	1893 *	1876 *	1856 *	1842 *	1821 *	1799 *	1777 *	1757 *	1739 *
1.0	1887 *	1873 *	1860 *	1840 *	1826 *	1806 *	1783 *	1763 *	1746 *	1731 *
0.0	1880 *	1865 *	1854 *	1836 *	1823 *	1804 *	1782 *	1761 *	1744 *	1729 *
-1.0	1874 *	1858 *	1848 *	1830 *	1817 *	1797 *	1775 *	1756 *	1739 *	1726 *
-3.0	1864 *	1851 *	1844 *	1828 *	1817 *	1799 *	1779 *	1757 *	1737 *	1720 *
-5.0	1862 *	1850 *	1845 *	1829 *	1818 *	1801 *	1778 *	1755 *	1735 *	1715 *
-7.0	1861 *	1851 *	1846 *	1832 *	1819 *	1805 *	1781 *	1758 *	1736 *	1719 *
-9.0	1862 *	1852 *	1848 *	1838 *	1826 *	1811 *	1789 *	1766 *	1747 *	1729 *
-11.0	1864 *	1852 *	1855 *	1845 *	1835 *	1822 *	1801 *	1780 *	1761 *	1744 *
-13.0	1862 *	1858 *	1860 *	1855 *	1845 *	1835 *	1818 *	1797 *	1778 *	1763 *
-15.0	1856 *	1863 *	1862 *	1866 *	1856 *	1848 *	1833 *	1814 *	1795 *	1781 *
-17.0	1835 *	1857 *	1846 *	1867 *	1864 *	1856 *	1847 *	1826 *	1805 *	1795 *
-19.5	1739 *	1788 *	1744 *	1797 *	1790 *	1806 *	1782 *	1752 *	1762 *	1752 *
-22.5	1621 *	1645 *	1671 *	1690 *	1708 *	1686 *	1697 *	1665 *	1638 *	1637 *
-25.5	1521 *	1521 *	1548 *	1551 *	1576 *	1580 *	1555 *	1565 *	1548 *	1532 *
-29.0	1319 *	1365 *	1402 *	1421 *	1439 *	1447 *	1443 *	1419 *	1396 *	1411 *
-33.0	1185 *	1184 *	1187 *	1217 *	1211 *	1205 *	1233 *	1257 *	1255 *	1232 *
-37.5	1091 *	1125 *	1159 *	1184 *	1206 *	1224 *	1241 *	1253 *	1248 *	1244 *
-42.5	934 *	965 *	985 *	1033 *	1060 *	1094 *	1139 *	1172 *	1183 *	1182 *
-47.5	412 *	431 *	442 *	480 *	511 *	534 *	547 *	539 *	528 *	514 *
-55.0	47	47	47	47	47	46	46	46	46	46
-65.0	3	4	5	5	4	3	2	2	1	0
-75.0	2	2	2	1	1	1	1	1	1	1
-85.0	64	54	43	33	25	24	22	21	20	18
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	110	111	112	111	110	108	108	109	109	109
75.0	1230 *	1232 *	1233 *	1232 *	1230 *	1231 *	1232 *	1246 *	1252 *	1250 *
65.0	2598 *	2595 *	2593 *	2595 *	2598 *	2584 *	2565 *	2542 *	2515 *	2484 *

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CANDELA TABULATION - (Cont.)

55.0	3080 *	3076 *	3074 *	3076 *	3080 *	3081 *	3081 *	3083 *	3088 *	3083 *
47.5	3129 *	3126 *	3124 *	3126 *	3129 *	3135 *	3139 *	3145 *	3154 *	3135 *
42.5	2911 *	2908 *	2907 *	2908 *	2911 *	2918 *	2922 *	2930 *	2934 *	2928 *
37.5	2703 *	2696 *	2695 *	2696 *	2703 *	2706 *	2713 *	2723 *	2726 *	2730 *
33.0	2505 *	2500 *	2500 *	2500 *	2505 *	2509 *	2518 *	2530 *	2544 *	2561 *
29.0	2331 *	2325 *	2323 *	2325 *	2331 *	2338 *	2349 *	2364 *	2383 *	2403 *
25.5	2194 *	2185 *	2180 *	2185 *	2194 *	2201 *	2214 *	2230 *	2252 *	2271 *
22.5	2091 *	2082 *	2077 *	2082 *	2091 *	2099 *	2112 *	2131 *	2151 *	2174 *
19.5	1999 *	1992 *	1989 *	1992 *	1999 *	2009 *	2024 *	2044 *	2064 *	2090 *
17.0	1935 *	1929 *	1925 *	1929 *	1935 *	1946 *	1961 *	1979 *	2001 *	2024 *
15.0	1889 *	1882 *	1879 *	1882 *	1889 *	1900 *	1917 *	1934 *	1956 *	1980 *
13.0	1848 *	1843 *	1839 *	1843 *	1848 *	1860 *	1875 *	1894 *	1916 *	1942 *
11.0	1812 *	1807 *	1803 *	1807 *	1812 *	1824 *	1840 *	1858 *	1880 *	1909 *
9.0	1780 *	1775 *	1771 *	1775 *	1780 *	1792 *	1809 *	1827 *	1854 *	1883 *
7.0	1753 *	1746 *	1743 *	1746 *	1753 *	1766 *	1783 *	1808 *	1833 *	1858 *
5.0	1730 *	1720 *	1719 *	1720 *	1730 *	1745 *	1770 *	1791 *	1814 *	1838 *
3.0	1713 *	1702 *	1699 *	1702 *	1713 *	1739 *	1757 *	1777 *	1799 *	1821 *
1.0	1719 *	1697 *	1695 *	1697 *	1719 *	1731 *	1746 *	1763 *	1783 *	1806 *
0.0	1719 *	1704 *	1696 *	1704 *	1719 *	1729 *	1744 *	1761 *	1782 *	1804 *
-1.0	1715 *	1695 *	1692 *	1695 *	1715 *	1726 *	1739 *	1756 *	1775 *	1797 *
-3.0	1700 *	1685 *	1688 *	1685 *	1700 *	1720 *	1737 *	1757 *	1779 *	1799 *
-5.0	1698 *	1688 *	1691 *	1688 *	1698 *	1715 *	1735 *	1755 *	1778 *	1801 *
-7.0	1702 *	1698 *	1700 *	1698 *	1702 *	1719 *	1736 *	1758 *	1781 *	1805 *
-9.0	1716 *	1711 *	1713 *	1711 *	1716 *	1729 *	1747 *	1766 *	1789 *	1811 *
-11.0	1734 *	1728 *	1730 *	1728 *	1734 *	1744 *	1761 *	1780 *	1801 *	1822 *
-13.0	1752 *	1746 *	1748 *	1746 *	1752 *	1763 *	1778 *	1797 *	1818 *	1835 *
-15.0	1770 *	1763 *	1765 *	1763 *	1770 *	1781 *	1795 *	1814 *	1833 *	1848 *
-17.0	1789 *	1783 *	1783 *	1783 *	1789 *	1795 *	1805 *	1826 *	1847 *	1856 *
-19.5	1708 *	1683 *	1686 *	1683 *	1708 *	1752 *	1762 *	1752 *	1782 *	1806 *
-22.5	1644 *	1648 *	1647 *	1648 *	1644 *	1637 *	1638 *	1665 *	1697 *	1686 *
-25.5	1520 *	1513 *	1511 *	1513 *	1520 *	1532 *	1548 *	1565 *	1555 *	1580 *
-29.0	1417 *	1421 *	1421 *	1421 *	1417 *	1411 *	1396 *	1419 *	1443 *	1447 *
-33.0	1198 *	1191 *	1190 *	1191 *	1198 *	1232 *	1255 *	1257 *	1233 *	1205 *
-37.5	1241 *	1239 *	1239 *	1239 *	1241 *	1244 *	1248 *	1253 *	1241 *	1224 *
-42.5	1178 *	1145 *	1128 *	1145 *	1178 *	1182 *	1183 *	1172 *	1139 *	1094 *
-47.5	521 *	521 *	521 *	521 *	521 *	514 *	528 *	539 *	547 *	534 *
-55.0	46	45	45	45	46	46	46	46	46	46
-65.0	0	0	0	0	0	0	1	2	2	3
-75.0	1	1	1	1	1	1	1	1	1	1
-85.0	18	18	18	18	18	18	20	21	22	24
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	109	111	113	116	119	122	127	122	109	98
75.0	1253 *	1284 *	1310 *	1320 *	1270 *	1166 *	1098 *	972 *	865 *	656 *
65.0	2455 *	2435 *	2423 *	2430 *	2353 *	2204 *	2101 *	1965 *	1728 *	1518 *
55.0	3046 *	3007 *	2952 *	2888 *	2826 *	2740 *	2670 *	2484 *	2402 *	2071 *
47.5	3113 *	3091 *	3059 *	3001 *	2945 *	2872 *	2772 *	2684 *	2538 *	2362 *
42.5	2922 *	2916 *	2888 *	2844 *	2800 *	2751 *	2671 *	2593 *	2489 *	2342 *
37.5	2734 *	2730 *	2715 *	2694 *	2663 *	2623 *	2576 *	2513 *	2420 *	2294 *
33.0	2570 *	2567 *	2564 *	2553 *	2535 *	2510 *	2479 *	2436 *	2369 *	2250 *
29.0	2413 *	2423 *	2431 *	2426 *	2420 *	2411 *	2396 *	2362 *	2316 *	2215 *
25.5	2289 *	2306 *	2315 *	2321 *	2325 *	2326 *	2320 *	2296 *	2264 *	2176 *

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CANDELA TABULATION - (Cont.)

22.5	2196 *	2210 *	2225 *	2240 *	2252 *	2260 *	2254 *	2238 *	2213 *	2134 *
19.5	2109 *	2126 *	2147 *	2167 *	2181 *	2195 *	2195 *	2182 *	2159 *	2093 *
17.0	2045 *	2066 *	2090 *	2115 *	2128 *	2142 *	2149 *	2142 *	2116 *	2058 *
15.0	2004 *	2022 *	2049 *	2072 *	2087 *	2104 *	2115 *	2112 *	2085 *	2029 *
13.0	1966 *	1986 *	2009 *	2032 *	2047 *	2069 *	2084 *	2083 *	2057 *	2001 *
11.0	1935 *	1952 *	1974 *	1997 *	2014 *	2037 *	2053 *	2053 *	2029 *	1973 *
9.0	1906 *	1922 *	1944 *	1967 *	1985 *	2007 *	2023 *	2025 *	2002 *	1945 *
7.0	1880 *	1898 *	1919 *	1941 *	1957 *	1978 *	1994 *	1997 *	1974 *	1917 *
5.0	1859 *	1875 *	1897 *	1917 *	1930 *	1951 *	1967 *	1970 *	1946 *	1888 *
3.0	1842 *	1856 *	1876 *	1893 *	1905 *	1925 *	1941 *	1945 *	1922 *	1858 *
1.0	1826 *	1840 *	1860 *	1873 *	1887 *	1908 *	1920 *	1920 *	1897 *	1823 *
0.0	1823 *	1836 *	1854 *	1865 *	1880 *	1899 *	1909 *	1908 *	1884 *	1806 *
-1.0	1817 *	1830 *	1848 *	1858 *	1874 *	1891 *	1901 *	1900 *	1874 *	1796 *
-3.0	1817 *	1828 *	1844 *	1851 *	1864 *	1875 *	1883 *	1884 *	1853 *	1777 *
-5.0	1818 *	1829 *	1845 *	1850 *	1862 *	1871 *	1875 *	1869 *	1831 *	1755 *
-7.0	1819 *	1832 *	1846 *	1851 *	1861 *	1867 *	1868 *	1857 *	1815 *	1736 *
-9.0	1826 *	1838 *	1848 *	1852 *	1862 *	1863 *	1862 *	1843 *	1796 *	1716 *
-11.0	1835 *	1845 *	1855 *	1852 *	1864 *	1861 *	1856 *	1829 *	1776 *	1695 *
-13.0	1845 *	1855 *	1860 *	1858 *	1862 *	1858 *	1847 *	1807 *	1752 *	1671 *
-15.0	1856 *	1866 *	1862 *	1863 *	1856 *	1854 *	1832 *	1773 *	1712 *	1645 *
-17.0	1864 *	1867 *	1846 *	1857 *	1835 *	1801 *	1814 *	1725 *	1651 *	1617 *
-19.5	1790 *	1797 *	1744 *	1788 *	1739 *	1730 *	1736 *	1649 *	1568 *	1511 *
-22.5	1708 *	1690 *	1671 *	1645 *	1621 *	1619 *	1594 *	1530 *	1454 *	1375 *
-25.5	1576 *	1551 *	1548 *	1521 *	1521 *	1483 *	1451 *	1397 *	1318 *	1239 *
-29.0	1439 *	1421 *	1402 *	1365 *	1319 *	1344 *	1286 *	1227 *	1154 *	1054 *
-33.0	1211 *	1217 *	1187 *	1184 *	1185 *	1096 *	1118 *	1032 *	998 *	879 *
-37.5	1206 *	1184 *	1159 *	1125 *	1091 *	1041 *	998 *	900 *	849 *	731 *
-42.5	1060 *	1033 *	985 *	965 *	934 *	849 *	785 *	684 *	626 *	473 *
-47.5	511 *	480 *	442 *	431 *	412 *	375 *	358 *	335 *	256 *	194 *
-55.0	47	47	47	47	47	45	45	43	44	40
-65.0	4	5	5	4	3	5	4	5	5	6
-75.0	1	1	2	2	2	2	2	2	2	2
-85.0	25	33	43	54	64	74	85	82	70	59
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	87	35	14	2	0
75.0	293	60	35	7	0
65.0	1067 *	180	48	11	0
55.0	1779 *	780 *	68	14	0
47.5	1994 *	1081 *	88	15	0
42.5	2058 *	1213 *	140	16	0
37.5	2034 *	1312 *	170	17	0
33.0	2018 *	1344 *	179	17	0
29.0	2003 *	1349 *	195	17	0
25.5	1977 *	1355 *	197	17	0
22.5	1954 *	1331 *	191	17	0
19.5	1923 *	1311 *	179	17	0
17.0	1895 *	1291 *	176	17	0
15.0	1872 *	1273 *	173	17	0
13.0	1849 *	1254 *	167	17	0
11.0	1825 *	1232 *	160	17	0
9.0	1802 *	1205 *	151	16	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	1777 *	1175 *	141	16	0
5.0	1751 *	1142 *	131	16	0
3.0	1726 *	1111 *	117	15	0
1.0	1696 *	1069 *	104	15	0
0.0	1681 *	1048 *	97	15	0
-1.0	1668 *	1029 *	95	15	0
-3.0	1641 *	992 *	92	15	0
-5.0	1607 *	945 *	89	14	0
-7.0	1572 *	899 *	85	14	0
-9.0	1528 *	850 *	81	14	0
-11.0	1481 *	802 *	77	14	0
-13.0	1430 *	750 *	73	13	0
-15.0	1375 *	698 *	69	13	0
-17.0	1317 *	643 *	66	12	0
-19.5	1239 *	571 *	62	12	0
-22.5	1130 *	479 *	58	11	0
-25.5	1001 *	389 *	54	11	0
-29.0	861 *	281	49	10	0
-33.0	683 *	167	44	9	0
-37.5	473 *	85	37	8	0
-42.5	208	63	29	7	0
-47.5	75	46	21	6	0
-55.0	36	24	12	4	0
-65.0	6	5	4	3	0
-75.0	2	3	2	2	0
-85.0	54	13	1	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 3760.6

Total Field Lumens (one side of beam only) = 3700.25

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.08	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.20
75	2.05 *	4.08 *	4.07 *	4.06 *	4.06 *	4.07 *	4.05 *	4.02 *	4.04 *	5.09 *
65	5.83 *	11.65 *	11.61 *	11.53 *	11.44 *	11.33 *	11.17 *	11.00 *	10.87 *	13.47 *
55	8.63 *	17.27 *	17.23 *	17.13 *	17.00 *	16.84 *	16.64 *	16.36 *	16.02 *	19.56 *
47.5	7.08 *	14.17 *	14.16 *	14.13 *	14.08 *	14.03 *	13.92 *	13.72 *	13.46 *	16.42 *
42.5	4.59 *	9.19 *	9.19 *	9.17 *	9.15 *	9.12 *	9.05 *	8.94 *	8.81 *	10.81 *
37.5	4.27 *	8.54 *	8.54 *	8.53 *	8.51 *	8.48 *	8.43 *	8.36 *	8.27 *	10.17 *
33	3.56 *	7.13 *	7.13 *	7.12 *	7.12 *	7.10 *	7.08 *	7.05 *	6.98 *	8.60 *
29	2.94 *	5.88 *	5.88 *	5.89 *	5.89 *	5.89 *	5.89 *	5.88 *	5.84 *	7.22 *
25.5	2.40 *	4.81 *	4.82 *	4.83 *	4.83 *	4.84 *	4.85 *	4.85 *	4.83 *	6.00 *
22.5	1.95 *	3.91 *	3.91 *	3.92 *	3.93 *	3.94 *	3.95 *	3.96 *	3.95 *	4.91 *
19.5	1.86 *	3.73 *	3.74 *	3.75 *	3.76 *	3.78 *	3.79 *	3.80 *	3.80 *	4.72 *
17	1.49 *	2.99 *	3.00 *	3.01 *	3.02 *	3.03 *	3.05 *	3.05 *	3.05 *	3.81 *
15	1.16 *	2.32 *	2.33 *	2.34 *	2.35 *	2.36 *	2.37 *	2.38 *	2.38 *	2.97 *
13	1.13 *	2.27 *	2.28 *	2.29 *	2.30 *	2.31 *	2.32 *	2.33 *	2.34 *	2.92 *
11	1.11 *	2.23 *	2.23 *	2.24 *	2.25 *	2.26 *	2.28 *	2.29 *	2.30 *	2.86 *
9	1.09 *	2.18 *	2.19 *	2.20 *	2.21 *	2.23 *	2.24 *	2.26 *	2.26 *	2.82 *
7	1.07 *	2.15 *	2.15 *	2.17 *	2.18 *	2.20 *	2.21 *	2.22 *	2.23 *	2.78 *
5	1.06 *	2.12 *	2.13 *	2.14 *	2.16 *	2.17 *	2.19 *	2.20 *	2.20 *	2.74 *
3	1.04 *	2.09 *	2.10 *	2.12 *	2.14 *	2.15 *	2.17 *	2.18 *	2.18 *	2.71 *
1	1.03 *	2.08 *	2.10 *	2.11 *	2.12 *	2.14 *	2.15 *	2.16 *	2.16 *	2.69 *
0	0.52 *	1.04 *	1.05 *	1.05 *	1.06 *	1.06 *	1.07 *	1.07 *	1.07 *	1.34 *
-1	0.52 *	1.04 *	1.05 *	1.05 *	1.06 *	1.06 *	1.07 *	1.07 *	1.07 *	1.33 *
	1.03 *	2.07 *	2.08 *	2.10 *	2.11 *	2.12 *	2.13 *	2.14 *	2.14 *	2.66 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	1.03 *	2.06 *	2.08 *	2.09 *	2.11 *	2.12 *	2.13 *	2.14 *	2.14 *	2.66 *
-5	1.03 *	2.07 *	2.08 *	2.09 *	2.11 *	2.12 *	2.13 *	2.14 *	2.14 *	2.66 *
-7	1.04 *	2.08 *	2.09 *	2.10 *	2.11 *	2.13 *	2.14 *	2.15 *	2.14 *	2.66 *
-9	1.05 *	2.10 *	2.10 *	2.11 *	2.13 *	2.14 *	2.15 *	2.16 *	2.15 *	2.67 *
-11	1.06 *	2.12 *	2.12 *	2.13 *	2.15 *	2.16 *	2.17 *	2.17 *	2.16 *	2.68 *
-13	1.07 *	2.14 *	2.15 *	2.16 *	2.17 *	2.18 *	2.19 *	2.18 *	2.17 *	2.69 *
-15	1.08 *	2.16 *	2.17 *	2.17 *	2.18 *	2.20 *	2.20 *	2.19 *	2.18 *	2.69 *
-17	1.32 *	2.65 *	2.68 *	2.69 *	2.69 *	2.70 *	2.72 *	2.70 *	2.68 *	3.28 *
-19.5	1.52 *	3.05 *	3.07 *	3.08 *	3.08 *	3.10 *	3.12 *	3.10 *	3.07 *	3.74 *
-22.5	1.44 *	2.89 *	2.89 *	2.89 *	2.90 *	2.92 *	2.91 *	2.90 *	2.87 *	3.50 *
-25.5	1.56 *	3.13 *	3.13 *	3.12 *	3.13 *	3.14 *	3.14 *	3.13 *	3.07 *	3.75 *
-29	1.59 *	3.18 *	3.20 *	3.21 *	3.21 *	3.21 *	3.17 *	3.13 *	3.10 *	3.78 *
-33	1.67 *	3.33 *	3.36 *	3.39 *	3.40 *	3.36 *	3.29 *	3.22 *	3.17 *	3.86 *
-37.5	1.81 *	3.66 *	3.68 *	3.68 *	3.66 *	3.60 *	3.50 *	3.39 *	3.28 *	3.94 *
-42.5	1.26 *	2.56 *	2.58 *	2.58 *	2.58 *	2.55 *	2.47 *	2.36 *	2.26 *	2.66 *
-47.5	0.65	1.29	1.28	1.29	1.31	1.33	1.31	1.26	1.19	1.38
-55	0.07	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.19
-65	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
-75	0.03	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.14
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.07
-90										
Total	77.79	155.80	156.00	156.06	156.07	155.91	155.24	154.03	152.46	187.84

Vert. Angles	Horizontal Angles									
	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.24	0.25	0.29	0.33	0.35	0.34	0.28	0.33	0.23	0.06
85	6.10 *	5.90 *	6.34 *	6.56 *	6.49 *	6.03 *	4.65 *	4.05	1.81	0.37
75	15.96 *	15.39 *	16.57 *	17.15 *	17.17 *	16.13 *	12.83 *	12.63 *	6.08 *	0.84
65	22.80 *	21.91 *	23.98 *	25.36 *	25.80 *	25.02 *	20.78 *	22.99 *	14.47 *	2.80
55	19.03 *	18.25 *	20.23 *	21.64 *	22.26 *	22.11 *	18.92 *	21.99 *	16.07 *	3.94 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5	12.57 *	12.09 *	13.47 *	14.44 *	15.00 *	15.02 *	13.10 *	15.64 *	12.07 *	3.28 *
42.5	11.88 *	11.48 *	12.84 *	13.86 *	14.48 *	14.60 *	12.85 *	15.59 *	12.58 *	3.69 *
37.5	10.10 *	9.81 *	11.01 *	11.97 *	12.60 *	12.78 *	11.30 *	13.82 *	11.48 *	3.52 *
33	8.51 *	8.29 *	9.36 *	10.23 *	10.83 *	11.06 *	9.85 *	12.13 *	10.21 *	3.19 *
29	7.09 *	6.93 *	7.86 *	8.64 *	9.18 *	9.43 *	8.45 *	10.47 *	8.90 *	2.82 *
25.5	5.82 *	5.72 *	6.51 *	7.17 *	7.64 *	7.88 *	7.10 *	8.83 *	7.55 *	2.40 *
22.5	5.62 *	5.53 *	6.32 *	6.97 *	7.44 *	7.69 *	6.94 *	8.69 *	7.44 *	2.35 *
19.5	4.54 *	4.48 *	5.12 *	5.67 *	6.06 *	6.27 *	5.67 *	7.12 *	6.10 *	1.92 *
17	3.55 *	3.51 *	4.01 *	4.44 *	4.77 *	4.93 *	4.46 *	5.61 *	4.82 *	1.52 *
15	3.48 *	3.44 *	3.94 *	4.37 *	4.70 *	4.86 *	4.40 *	5.54 *	4.75 *	1.49 *
13	3.42 *	3.38 *	3.87 *	4.30 *	4.63 *	4.79 *	4.34 *	5.46 *	4.69 *	1.46 *
11	3.36 *	3.32 *	3.81 *	4.24 *	4.56 *	4.73 *	4.28 *	5.39 *	4.61 *	1.43 *
9	3.31 *	3.28 *	3.76 *	4.18 *	4.50 *	4.66 *	4.22 *	5.32 *	4.53 *	1.39 *
7	3.27 *	3.23 *	3.70 *	4.12 *	4.44 *	4.60 *	4.16 *	5.24 *	4.45 *	1.35 *
5	3.23 *	3.19 *	3.65 *	4.06 *	4.38 *	4.54 *	4.10 *	5.16 *	4.36 *	1.30 *
3	3.20 *	3.15 *	3.61 *	4.02 *	4.32 *	4.48 *	4.04 *	5.08 *	4.26 *	1.25 *
1	1.59 *	1.57 *	1.79 *	1.99 *	2.14 *	2.22 *	1.99 *	2.50 *	2.09 *	0.60 *
0	1.58 *	1.56 *	1.79 *	1.98 *	2.13 *	2.21 *	1.98 *	2.48 *	2.06 *	0.59 *
-1	3.16 *	3.11 *	3.56 *	3.94 *	4.23 *	4.38 *	3.93 *	4.92 *	4.05 *	1.15 *
-3	3.15 *	3.10 *	3.54 *	3.92 *	4.20 *	4.34 *	3.88 *	4.84 *	3.94 *	1.10 *
-5	3.15 *	3.10 *	3.54 *	3.91 *	4.18 *	4.30 *	3.84 *	4.77 *	3.82 *	1.05 *
-7	3.16 *	3.10 *	3.53 *	3.89 *	4.16 *	4.26 *	3.80 *	4.68 *	3.69 *	1.00 *
-9	3.16 *	3.10 *	3.53 *	3.89 *	4.14 *	4.22 *	3.76 *	4.59 *	3.55 *	0.94 *
-11	3.17 *	3.10 *	3.53 *	3.88 *	4.11 *	4.18 *	3.71 *	4.48 *	3.39 *	0.89 *
-13	3.17 *	3.10 *	3.52 *	3.86 *	4.06 *	4.11 *	3.65 *	4.37 *	3.23 *	0.83 *
-15	3.17 *	3.09 *	3.48 *	3.81 *	4.00 *	4.00 *	3.57 *	4.25 *	3.07 *	0.77 *
-17	3.86 *	3.77 *	4.21 *	4.62 *	4.84 *	4.81 *	4.27 *	5.08 *	3.58 *	0.87 *
-19.5	4.38 *	4.25 *	4.77 *	5.23 *	5.46 *	5.42 *	4.77 *	5.63 *	3.90 *	0.91

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-22.5	4.09 *	3.95 *	4.44 *	4.81 *	5.01 *	4.99 *	4.35 *	5.09 *	3.42 *	0.76
-25.5	4.36 *	4.18 *	4.70 *	5.08 *	5.25 *	5.20 *	4.49 *	5.20 *	3.37 *	0.70
-29	4.38 *	4.22 *	4.69 *	5.06 *	5.22 *	5.14 *	4.40 *	4.97 *	3.03 *	0.56
-33	4.47 *	4.31 *	4.70 *	5.00 *	5.10 *	4.96 *	4.19 *	4.45 *	2.41 *	0.39
-37.5	4.51 *	4.29 *	4.64 *	4.79 *	4.71 *	4.46 *	3.61 *	3.37 *	1.58	0.28
-42.5	3.01 *	2.86 *	3.04 *	3.09 *	3.02 *	2.77 *	2.08 *	1.70	0.75	0.21
-47.5	1.55	1.47	1.56	1.61	1.64	1.48	1.08	0.92	0.52	0.20
-55	0.22	0.21	0.24	0.26	0.27	0.28	0.26	0.31	0.27	0.12
-65	0.03	0.02	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.04
-75	0.22	0.25	0.34	0.43	0.48	0.45	0.36	0.42	0.27	0.05
-85	0.10	0.12	0.16	0.21	0.23	0.22	0.17	0.20	0.13	0.02
-90										
Total	220.73	214.37	239.57	259.02	270.22	270.40	234.89	276.33	207.64	56.40

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		4.30
85				
	0.08	0.00		87.98
75				
	0.13	0.00		240.78
65				
	0.19	0.00		368.78
55				
	0.18	0.00		319.78
47.5				
	0.17	0.00		214.88
42.5				
	0.23	0.00		206.18
37.5				
	0.23	0.00		177.48
33				
	0.22	0.00		151.08
29				
	0.20	0.00		127.03
25.5				
	0.17	0.00		105.14
22.5				
	0.16	0.00		101.87
19.5				
	0.13	0.00		82.59
17				
	0.10	0.00		64.69

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

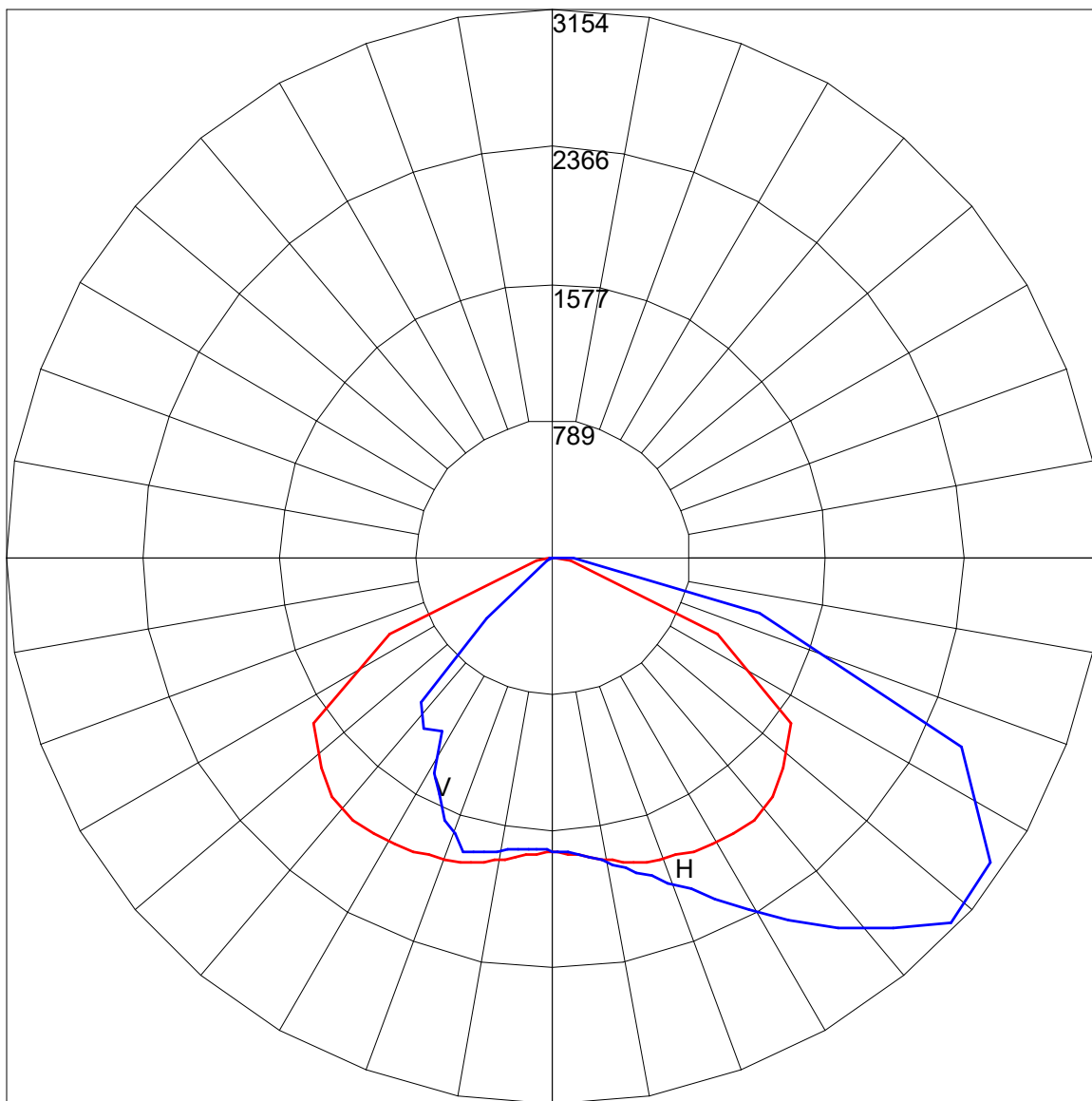
15	0.10	0.00	63.55
13	0.10	0.00	62.49
11	0.09	0.00	61.51
9	0.09	0.00	60.59
7	0.08	0.00	59.73
5	0.07	0.00	58.94
3	0.07	0.00	58.21
1	0.03	0.00	28.86
0	0.03	0.00	28.71
-1	0.06	0.00	57.05
-3	0.06	0.00	56.63
-5	0.05	0.00	56.27
-7	0.05	0.00	55.96
-9	0.05	0.00	55.68
-11	0.05	0.00	55.40
-13	0.04	0.00	55.05
-15	0.04	0.00	54.48
-17	0.05	0.00	66.07
-19.5	0.06	0.00	74.74
-22.5	0.05	0.00	69.07
-25.5	0.06	0.00	72.88
-29	0.06	0.00	72.51
-33	0.06	0.00	72.09
-37.5	0.05	0.00	70.49
-42.5	0.04	0.00	46.44
-47.5	0.04	0.00	24.36
-55	0.03	0.00	3.87
-65	0.01	0.00	0.49

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-40-80-HGS.IES

LUMENS TABULATION - (Cont.)

-75	0.01	0.00	3.99
-85	0.00	0.00	1.92
-90			
Total	3.76	0.06	3760.6

AXIAL CANDELA DISPLAY

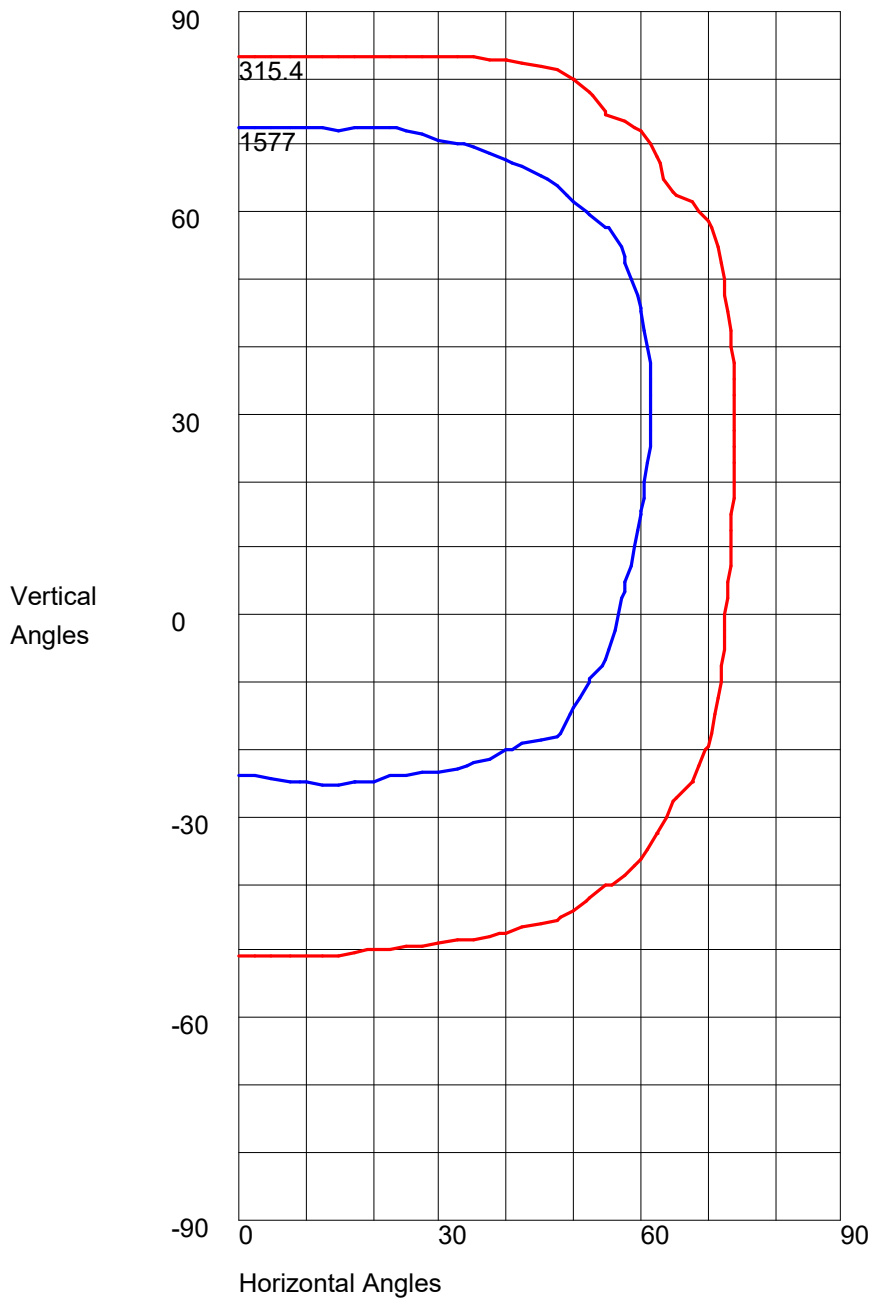


Maximum Candela = 3154 Located At Horizontal Angle = -11, Vertical Angle = 47.5

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3154 Located At Horizontal Angle = -11, Vertical Angle = 47.5
50% Maximum Candela = 1577
10% Maximum Candela = 315.4