



IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-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-50-80-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	3074
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	5867
Beam Efficiency	N.A.
Field Lumens	7215
Field Efficiency	N.A.
Spill Lumens	118
Luminaire Lumens	7332
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	109
75	95	75	1202
65	1022	65	2528
55	1639	55	2997
47.5	1761	47.5	3045
42.5	1837	42.5	2834
37.5	1860	37.5	2627
33	1861	33	2437
29	1851	29	2265
25.5	1833	25.5	2125
22.5	1818	22.5	2025
19.5	1807	19.5	1939
17	1790	17	1876
15	1777	15	1832
13	1759	13	1793
11	1737	11	1757
9	1717	9	1726
7	1700	7	1699
5	1686	5	1676
3	1676	3	1656
1	1661	1	1652
0	1653	0	1653
-1	1661	-1	1650
-3	1676	-3	1646
-5	1686	-5	1648
-7	1700	-7	1657
-9	1717	-9	1670
-11	1737	-11	1686
-13	1759	-13	1704
-15	1777	-15	1721
-17	1790	-17	1739
-19.5	1807	-19.5	1644
-22.5	1818	-22.5	1606
-25.5	1833	-25.5	1473
-29	1851	-29	1385
-33	1861	-33	1160
-37.5	1860	-37.5	1208
-42.5	1837	-42.5	1100
-47.5	1761	-47.5	508
-55	1639	-55	44
-65	1022	-65	0
-75	95	-75	1
-85	15	-85	18
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 3074

Beam Edge = 1537 Cd (50% of Max.)

Field Edge = 307.4 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	0	0	0	0	0	0	0	0	0	0
85.0	0	2	14	34	85	96	106	119	124	119
75.0	0	7	34	59	285	639 *	843 *	948 *	1071 *	1137 *
65.0	0	11	47	176	1040 *	1480 *	1685 *	1916 *	2048 *	2149 *
55.0	0	14	66	761 *	1734 *	2019 *	2342 *	2422 *	2603 *	2672 *
47.5	0	15	86	1054 *	1944 *	2303 *	2474 *	2617 *	2702 *	2800 *
42.5	0	16	137	1183 *	2006 *	2283 *	2426 *	2528 *	2604 *	2682 *
37.5	0	16	166	1279 *	1983 *	2236 *	2359 *	2450 *	2511 *	2558 *
33.0	0	16	175	1311 *	1967 *	2193 *	2309 *	2375 *	2417 *	2447 *
29.0	0	17	190	1315 *	1953 *	2159 *	2258 *	2303 *	2335 *	2351 *
25.5	0	17	192	1321 *	1927 *	2121 *	2207 *	2238 *	2261 *	2268 *
22.5	0	17	186	1298 *	1905 *	2080 *	2158 *	2181 *	2197 *	2203 *
19.5	0	17	174	1278 *	1875 *	2040 *	2105 *	2127 *	2140 *	2140 *
17.0	0	17	171	1259 *	1847 *	2006 *	2063 *	2089 *	2095 *	2088 *
15.0	0	16	168	1242 *	1825 *	1978 *	2032 *	2059 *	2062 *	2051 *
13.0	0	16	163	1222 *	1802 *	1951 *	2005 *	2030 *	2031 *	2017 *
11.0	0	17	156	1201 *	1780 *	1924 *	1979 *	2001 *	2002 *	1986 *
9.0	0	16	148	1175 *	1756 *	1896 *	1952 *	1974 *	1972 *	1957 *
7.0	0	16	138	1146 *	1732 *	1869 *	1925 *	1947 *	1944 *	1929 *
5.0	0	16	128	1114 *	1707 *	1841 *	1897 *	1921 *	1917 *	1902 *
3.0	0	15	115	1083 *	1683 *	1811 *	1874 *	1896 *	1892 *	1877 *
1.0	0	15	102	1042 *	1654 *	1778 *	1849 *	1872 *	1872 *	1860 *
0.0	0	15	95	1022 *	1639 *	1761 *	1837 *	1860 *	1861 *	1851 *
-1.0	0	15	93	1004 *	1626 *	1751 *	1827 *	1852 *	1853 *	1843 *
-3.0	0	15	90	968 *	1600 *	1732 *	1807 *	1837 *	1836 *	1828 *
-5.0	0	14	87	922 *	1566 *	1711 *	1785 *	1823 *	1828 *	1824 *
-7.0	0	14	83	877 *	1533 *	1692 *	1769 *	1810 *	1821 *	1820 *
-9.0	0	14	79	829 *	1490 *	1673 *	1751 *	1797 *	1815 *	1816 *
-11.0	0	14	75	783 *	1443 *	1652 *	1731 *	1783 *	1809 *	1814 *
-13.0	0	13	71	732 *	1394 *	1629 *	1708 *	1761 *	1801 *	1811 *
-15.0	0	13	68	681 *	1341 *	1604 *	1670 *	1728 *	1786 *	1807 *
-17.0	0	12	64	627 *	1284 *	1576 *	1610 *	1681 *	1769 *	1756 *
-19.5	0	12	60	557 *	1209 *	1473 *	1529 *	1607 *	1693 *	1687 *
-22.5	0	11	57	467 *	1102 *	1340 *	1418 *	1491 *	1554 *	1579 *
-25.5	0	11	53	379 *	976 *	1208 *	1285 *	1362 *	1414 *	1446 *
-29.0	0	10	48	274	839 *	1028 *	1125 *	1196 *	1254 *	1310 *
-33.0	0	9	43	163	666 *	857 *	972 *	1006 *	1091 *	1069 *
-37.5	0	8	36	83	461 *	713 *	828 *	877 *	973 *	1015 *
-42.5	0	7	28	61	203	461 *	611 *	668 *	765 *	827 *
-47.5	0	6	20	44	73	189	249	327 *	349 *	366 *
-55.0	0	4	12	24	35	39	43	42	44	44
-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	53	58	68	80	83	72
-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	116	113	110	108	106	106	106	106	105	105
75.0	1238 *	1287 *	1277 *	1252 *	1221 *	1219 *	1220 *	1214 *	1201 *	1200 *
65.0	2294 *	2369 *	2361 *	2374 *	2393 *	2421 *	2452 *	2479 *	2501 *	2519 *
55.0	2755 *	2816 *	2878 *	2931 *	2970 *	3006 *	3011 *	3005 *	3004 *	3004 *
47.5	2870 *	2926 *	2982 *	3014 *	3035 *	3056 *	3074 *	3066 *	3060 *	3056 *
42.5	2729 *	2773 *	2815 *	2843 *	2849 *	2854 *	2860 *	2856 *	2849 *	2844 *
37.5	2596 *	2627 *	2647 *	2661 *	2665 *	2661 *	2658 *	2655 *	2645 *	2638 *
33.0	2471 *	2488 *	2499 *	2503 *	2506 *	2497 *	2480 *	2466 *	2455 *	2446 *
29.0	2360 *	2365 *	2369 *	2362 *	2353 *	2343 *	2323 *	2305 *	2290 *	2279 *
25.5	2267 *	2263 *	2257 *	2248 *	2231 *	2214 *	2195 *	2175 *	2158 *	2146 *
22.5	2195 *	2184 *	2169 *	2154 *	2141 *	2119 *	2097 *	2077 *	2059 *	2046 *
19.5	2127 *	2113 *	2093 *	2072 *	2056 *	2037 *	2012 *	1992 *	1974 *	1959 *
17.0	2074 *	2062 *	2037 *	2014 *	1993 *	1973 *	1950 *	1930 *	1912 *	1897 *
15.0	2035 *	2020 *	1998 *	1971 *	1953 *	1931 *	1907 *	1885 *	1869 *	1853 *
13.0	1996 *	1981 *	1959 *	1936 *	1916 *	1893 *	1868 *	1846 *	1829 *	1813 *
11.0	1963 *	1947 *	1925 *	1903 *	1886 *	1862 *	1833 *	1811 *	1793 *	1778 *
9.0	1935 *	1918 *	1896 *	1874 *	1858 *	1835 *	1808 *	1781 *	1763 *	1747 *
7.0	1907 *	1892 *	1871 *	1850 *	1832 *	1811 *	1787 *	1763 *	1738 *	1722 *
5.0	1881 *	1869 *	1849 *	1828 *	1813 *	1791 *	1768 *	1746 *	1725 *	1701 *
3.0	1857 *	1846 *	1829 *	1809 *	1796 *	1775 *	1753 *	1732 *	1713 *	1696 *
1.0	1840 *	1826 *	1813 *	1794 *	1780 *	1760 *	1738 *	1718 *	1702 *	1687 *
0.0	1833 *	1818 *	1807 *	1790 *	1777 *	1759 *	1737 *	1717 *	1700 *	1686 *
-1.0	1827 *	1811 *	1802 *	1784 *	1771 *	1752 *	1731 *	1712 *	1696 *	1683 *
-3.0	1817 *	1804 *	1798 *	1782 *	1771 *	1753 *	1734 *	1713 *	1693 *	1676 *
-5.0	1815 *	1804 *	1799 *	1783 *	1772 *	1755 *	1733 *	1711 *	1692 *	1672 *
-7.0	1814 *	1804 *	1800 *	1786 *	1773 *	1759 *	1736 *	1714 *	1692 *	1676 *
-9.0	1815 *	1805 *	1801 *	1792 *	1780 *	1766 *	1744 *	1722 *	1703 *	1686 *
-11.0	1817 *	1805 *	1808 *	1799 *	1789 *	1776 *	1756 *	1735 *	1717 *	1701 *
-13.0	1815 *	1811 *	1813 *	1809 *	1799 *	1789 *	1772 *	1752 *	1733 *	1718 *
-15.0	1810 *	1816 *	1815 *	1819 *	1810 *	1801 *	1787 *	1768 *	1750 *	1736 *
-17.0	1788 *	1811 *	1799 *	1820 *	1817 *	1809 *	1800 *	1780 *	1760 *	1750 *
-19.5	1695 *	1743 *	1700 *	1752 *	1745 *	1760 *	1738 *	1709 *	1717 *	1708 *
-22.5	1580 *	1603 *	1629 *	1647 *	1665 *	1643 *	1654 *	1623 *	1597 *	1595 *
-25.5	1482 *	1483 *	1510 *	1512 *	1537 *	1540 *	1516 *	1525 *	1509 *	1494 *
-29.0	1285 *	1331 *	1367 *	1386 *	1403 *	1411 *	1407 *	1383 *	1361 *	1375 *
-33.0	1155 *	1154 *	1157 *	1186 *	1180 *	1175 *	1202 *	1225 *	1224 *	1202 *
-37.5	1064 *	1097 *	1130 *	1155 *	1176 *	1194 *	1210 *	1221 *	1217 *	1213 *
-42.5	910 *	941 *	960 *	1007 *	1033 *	1066 *	1110 *	1142 *	1153 *	1152 *
-47.5	402 *	420 *	431 *	468 *	498 *	520 *	533 *	525 *	515 *	501 *
-55.0	46	46	46	46	46	45	45	45	45	45
-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	62	52	41	32	24	23	21	20	19	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	107	108	109	108	107	105	105	106	106	106
75.0	1199 *	1201 *	1202 *	1201 *	1199 *	1200 *	1201 *	1214 *	1220 *	1219 *
65.0	2533 *	2530 *	2528 *	2530 *	2533 *	2519 *	2501 *	2479 *	2452 *	2421 *

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CANDELA TABULATION - (Cont.)

55.0	3003 *	2999 *	2997 *	2999 *	3003 *	3004 *	3004 *	3005 *	3011 *	3006 *
47.5	3050 *	3047 *	3045 *	3047 *	3050 *	3056 *	3060 *	3066 *	3074 *	3056 *
42.5	2838 *	2835 *	2834 *	2835 *	2838 *	2844 *	2849 *	2856 *	2860 *	2854 *
37.5	2635 *	2628 *	2627 *	2628 *	2635 *	2638 *	2645 *	2655 *	2658 *	2661 *
33.0	2442 *	2438 *	2437 *	2438 *	2442 *	2446 *	2455 *	2466 *	2480 *	2497 *
29.0	2273 *	2267 *	2265 *	2267 *	2273 *	2279 *	2290 *	2305 *	2323 *	2343 *
25.5	2138 *	2130 *	2125 *	2130 *	2138 *	2146 *	2158 *	2175 *	2195 *	2214 *
22.5	2038 *	2030 *	2025 *	2030 *	2038 *	2046 *	2059 *	2077 *	2097 *	2119 *
19.5	1949 *	1943 *	1939 *	1943 *	1949 *	1959 *	1974 *	1992 *	2012 *	2037 *
17.0	1886 *	1880 *	1876 *	1880 *	1886 *	1897 *	1912 *	1930 *	1950 *	1973 *
15.0	1841 *	1835 *	1832 *	1835 *	1841 *	1853 *	1869 *	1885 *	1907 *	1931 *
13.0	1802 *	1797 *	1793 *	1797 *	1802 *	1813 *	1829 *	1846 *	1868 *	1893 *
11.0	1766 *	1762 *	1757 *	1762 *	1766 *	1778 *	1793 *	1811 *	1833 *	1862 *
9.0	1736 *	1730 *	1726 *	1730 *	1736 *	1747 *	1763 *	1781 *	1808 *	1835 *
7.0	1709 *	1703 *	1699 *	1703 *	1709 *	1722 *	1738 *	1763 *	1787 *	1811 *
5.0	1687 *	1677 *	1676 *	1677 *	1687 *	1701 *	1725 *	1746 *	1768 *	1791 *
3.0	1670 *	1659 *	1656 *	1659 *	1670 *	1696 *	1713 *	1732 *	1753 *	1775 *
1.0	1676 *	1654 *	1652 *	1654 *	1676 *	1687 *	1702 *	1718 *	1738 *	1760 *
0.0	1676 *	1661 *	1653 *	1661 *	1676 *	1686 *	1700 *	1717 *	1737 *	1759 *
-1.0	1672 *	1652 *	1650 *	1652 *	1672 *	1683 *	1696 *	1712 *	1731 *	1752 *
-3.0	1657 *	1643 *	1646 *	1643 *	1657 *	1676 *	1693 *	1713 *	1734 *	1753 *
-5.0	1655 *	1646 *	1648 *	1646 *	1655 *	1672 *	1692 *	1711 *	1733 *	1755 *
-7.0	1659 *	1655 *	1657 *	1655 *	1659 *	1676 *	1692 *	1714 *	1736 *	1759 *
-9.0	1673 *	1668 *	1670 *	1668 *	1673 *	1686 *	1703 *	1722 *	1744 *	1766 *
-11.0	1690 *	1684 *	1686 *	1684 *	1690 *	1701 *	1717 *	1735 *	1756 *	1776 *
-13.0	1708 *	1702 *	1704 *	1702 *	1708 *	1718 *	1733 *	1752 *	1772 *	1789 *
-15.0	1726 *	1719 *	1721 *	1719 *	1726 *	1736 *	1750 *	1768 *	1787 *	1801 *
-17.0	1744 *	1738 *	1739 *	1738 *	1744 *	1750 *	1760 *	1780 *	1800 *	1809 *
-19.5	1665 *	1641 *	1644 *	1641 *	1665 *	1708 *	1717 *	1709 *	1738 *	1760 *
-22.5	1602 *	1607 *	1606 *	1607 *	1602 *	1595 *	1597 *	1623 *	1654 *	1643 *
-25.5	1482 *	1475 *	1473 *	1475 *	1482 *	1494 *	1509 *	1525 *	1516 *	1540 *
-29.0	1382 *	1385 *	1385 *	1385 *	1382 *	1375 *	1361 *	1383 *	1407 *	1411 *
-33.0	1168 *	1161 *	1160 *	1161 *	1168 *	1202 *	1224 *	1225 *	1202 *	1175 *
-37.5	1210 *	1208 *	1208 *	1208 *	1210 *	1213 *	1217 *	1221 *	1210 *	1194 *
-42.5	1148 *	1116 *	1100 *	1116 *	1148 *	1152 *	1153 *	1142 *	1110 *	1066 *
-47.5	508 *	508 *	508 *	508 *	508 *	501 *	515 *	525 *	533 *	520 *
-55.0	45	44	44	44	45	45	45	45	45	45
-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	19	20	21	23
-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	106	108	110	113	116	119	124	119	106	96
75.0	1221 *	1252 *	1277 *	1287 *	1238 *	1137 *	1071 *	948 *	843 *	639 *
65.0	2393 *	2374 *	2361 *	2369 *	2294 *	2149 *	2048 *	1916 *	1685 *	1480 *
55.0	2970 *	2931 *	2878 *	2816 *	2755 *	2672 *	2603 *	2422 *	2342 *	2019 *
47.5	3035 *	3014 *	2982 *	2926 *	2870 *	2800 *	2702 *	2617 *	2474 *	2303 *
42.5	2849 *	2843 *	2815 *	2773 *	2729 *	2682 *	2604 *	2528 *	2426 *	2283 *
37.5	2665 *	2661 *	2647 *	2627 *	2596 *	2558 *	2511 *	2450 *	2359 *	2236 *
33.0	2506 *	2503 *	2499 *	2488 *	2471 *	2447 *	2417 *	2375 *	2309 *	2193 *
29.0	2353 *	2362 *	2369 *	2365 *	2360 *	2351 *	2335 *	2303 *	2258 *	2159 *
25.5	2231 *	2248 *	2257 *	2263 *	2267 *	2268 *	2261 *	2238 *	2207 *	2121 *

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CANDELA TABULATION - (Cont.)

22.5	2141 *	2154 *	2169 *	2184 *	2195 *	2203 *	2197 *	2181 *	2158 *	2080 *
19.5	2056 *	2072 *	2093 *	2113 *	2127 *	2140 *	2140 *	2127 *	2105 *	2040 *
17.0	1993 *	2014 *	2037 *	2062 *	2074 *	2088 *	2095 *	2089 *	2063 *	2006 *
15.0	1953 *	1971 *	1998 *	2020 *	2035 *	2051 *	2062 *	2059 *	2032 *	1978 *
13.0	1916 *	1936 *	1959 *	1981 *	1996 *	2017 *	2031 *	2030 *	2005 *	1951 *
11.0	1886 *	1903 *	1925 *	1947 *	1963 *	1986 *	2002 *	2001 *	1979 *	1924 *
9.0	1858 *	1874 *	1896 *	1918 *	1935 *	1957 *	1972 *	1974 *	1952 *	1896 *
7.0	1832 *	1850 *	1871 *	1892 *	1907 *	1929 *	1944 *	1947 *	1925 *	1869 *
5.0	1813 *	1828 *	1849 *	1869 *	1881 *	1902 *	1917 *	1921 *	1897 *	1841 *
3.0	1796 *	1809 *	1829 *	1846 *	1857 *	1877 *	1892 *	1896 *	1874 *	1811 *
1.0	1780 *	1794 *	1813 *	1826 *	1840 *	1860 *	1872 *	1872 *	1849 *	1778 *
0.0	1777 *	1790 *	1807 *	1818 *	1833 *	1851 *	1861 *	1860 *	1837 *	1761 *
-1.0	1771 *	1784 *	1802 *	1811 *	1827 *	1843 *	1853 *	1852 *	1827 *	1751 *
-3.0	1771 *	1782 *	1798 *	1804 *	1817 *	1828 *	1836 *	1837 *	1807 *	1732 *
-5.0	1772 *	1783 *	1799 *	1804 *	1815 *	1824 *	1828 *	1823 *	1785 *	1711 *
-7.0	1773 *	1786 *	1800 *	1804 *	1814 *	1820 *	1821 *	1810 *	1769 *	1692 *
-9.0	1780 *	1792 *	1801 *	1805 *	1815 *	1816 *	1815 *	1797 *	1751 *	1673 *
-11.0	1789 *	1799 *	1808 *	1805 *	1817 *	1814 *	1809 *	1783 *	1731 *	1652 *
-13.0	1799 *	1809 *	1813 *	1811 *	1815 *	1811 *	1801 *	1761 *	1708 *	1629 *
-15.0	1810 *	1819 *	1815 *	1816 *	1810 *	1807 *	1786 *	1728 *	1670 *	1604 *
-17.0	1817 *	1820 *	1799 *	1811 *	1788 *	1756 *	1769 *	1681 *	1610 *	1576 *
-19.5	1745 *	1752 *	1700 *	1743 *	1695 *	1687 *	1693 *	1607 *	1529 *	1473 *
-22.5	1665 *	1647 *	1629 *	1603 *	1580 *	1579 *	1554 *	1491 *	1418 *	1340 *
-25.5	1537 *	1512 *	1510 *	1483 *	1482 *	1446 *	1414 *	1362 *	1285 *	1208 *
-29.0	1403 *	1386 *	1367 *	1331 *	1285 *	1310 *	1254 *	1196 *	1125 *	1028 *
-33.0	1180 *	1186 *	1157 *	1154 *	1155 *	1069 *	1091 *	1006 *	972 *	857 *
-37.5	1176 *	1155 *	1130 *	1097 *	1064 *	1015 *	973 *	877 *	828 *	713 *
-42.5	1033 *	1007 *	960 *	941 *	910 *	827 *	765 *	668 *	611 *	461 *
-47.5	498 *	468 *	431 *	420 *	402 *	366 *	349 *	327 *	249	189
-55.0	46	46	46	46	46	44	44	42	43	39
-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	24	32	41	52	62	72	83	80	68	58
-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	85	34	14	2	0
75.0	285	59	34	7	0
65.0	1040 *	176	47	11	0
55.0	1734 *	761 *	66	14	0
47.5	1944 *	1054 *	86	15	0
42.5	2006 *	1183 *	137	16	0
37.5	1983 *	1279 *	166	16	0
33.0	1967 *	1311 *	175	16	0
29.0	1953 *	1315 *	190	17	0
25.5	1927 *	1321 *	192	17	0
22.5	1905 *	1298 *	186	17	0
19.5	1875 *	1278 *	174	17	0
17.0	1847 *	1259 *	171	17	0
15.0	1825 *	1242 *	168	16	0
13.0	1802 *	1222 *	163	16	0
11.0	1780 *	1201 *	156	17	0
9.0	1756 *	1175 *	148	16	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

CANDELA TABULATION - (Cont.)

7.0	1732 *	1146 *	138	16	0
5.0	1707 *	1114 *	128	16	0
3.0	1683 *	1083 *	115	15	0
1.0	1654 *	1042 *	102	15	0
0.0	1639 *	1022 *	95	15	0
-1.0	1626 *	1004 *	93	15	0
-3.0	1600 *	968 *	90	15	0
-5.0	1566 *	922 *	87	14	0
-7.0	1533 *	877 *	83	14	0
-9.0	1490 *	829 *	79	14	0
-11.0	1443 *	783 *	75	14	0
-13.0	1394 *	732 *	71	13	0
-15.0	1341 *	681 *	68	13	0
-17.0	1284 *	627 *	64	12	0
-19.5	1209 *	557 *	60	12	0
-22.5	1102 *	467 *	57	11	0
-25.5	976 *	379 *	53	11	0
-29.0	839 *	274	48	10	0
-33.0	666 *	163	43	9	0
-37.5	461 *	83	36	8	0
-42.5	203	61	28	7	0
-47.5	73	44	20	6	0
-55.0	35	24	12	4	0
-65.0	6	5	4	3	0
-75.0	2	3	2	2	0
-85.0	53	13	1	1	0
-90.0	0	0	0	0	0

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 3666.22

Total Field Lumens (one side of beam only) = 3607.34

* 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	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.20
75	2.00 *	3.98 *	3.97 *	3.95 *	3.96 *	3.97 *	3.95 *	3.92 *	3.93 *	4.97 *
65	5.68 *	11.36 *	11.32 *	11.24 *	11.15 *	11.05 *	10.89 *	10.72 *	10.60 *	13.13 *
55	8.42 *	16.84 *	16.80 *	16.70 *	16.57 *	16.42 *	16.22 *	15.95 *	15.62 *	19.06 *
47.5	6.90 *	13.81 *	13.80 *	13.77 *	13.73 *	13.67 *	13.57 *	13.37 *	13.12 *	16.01 *
42.5	4.48 *	8.96 *	8.95 *	8.94 *	8.92 *	8.89 *	8.82 *	8.71 *	8.59 *	10.53 *
37.5	4.16 *	8.32 *	8.32 *	8.31 *	8.30 *	8.27 *	8.22 *	8.15 *	8.07 *	9.91 *
33	3.47 *	6.95 *	6.95 *	6.94 *	6.94 *	6.92 *	6.90 *	6.87 *	6.81 *	8.39 *
29	2.87 *	5.74 *	5.74 *	5.74 *	5.74 *	5.74 *	5.75 *	5.73 *	5.69 *	7.04 *
25.5	2.34 *	4.69 *	4.70 *	4.70 *	4.71 *	4.72 *	4.73 *	4.73 *	4.71 *	5.84 *
22.5	1.90 *	3.81 *	3.81 *	3.82 *	3.83 *	3.84 *	3.85 *	3.86 *	3.85 *	4.79 *
19.5	1.81 *	3.63 *	3.64 *	3.65 *	3.67 *	3.68 *	3.69 *	3.70 *	3.70 *	4.60 *
17	1.45 *	2.91 *	2.92 *	2.93 *	2.94 *	2.96 *	2.97 *	2.98 *	2.98 *	3.71 *
15	1.13 *	2.27 *	2.27 *	2.28 *	2.29 *	2.30 *	2.31 *	2.32 *	2.32 *	2.90 *
13	1.11 *	2.21 *	2.22 *	2.23 *	2.24 *	2.25 *	2.26 *	2.27 *	2.28 *	2.84 *
11	1.08 *	2.17 *	2.18 *	2.19 *	2.20 *	2.21 *	2.22 *	2.23 *	2.24 *	2.79 *
9	1.06 *	2.13 *	2.14 *	2.15 *	2.16 *	2.17 *	2.19 *	2.20 *	2.20 *	2.75 *
7	1.04 *	2.09 *	2.10 *	2.11 *	2.13 *	2.14 *	2.16 *	2.17 *	2.17 *	2.71 *
5	1.03 *	2.06 *	2.07 *	2.09 *	2.10 *	2.12 *	2.13 *	2.14 *	2.14 *	2.68 *
3	1.02 *	2.04 *	2.05 *	2.07 *	2.09 *	2.10 *	2.11 *	2.12 *	2.12 *	2.65 *
1	1.01 *	2.03 *	2.04 *	2.06 *	2.07 *	2.08 *	2.09 *	2.10 *	2.10 *	2.62 *
0	0.50 *	1.01 *	1.02 *	1.03 *	1.03 *	1.04 *	1.04 *	1.05 *	1.05 *	1.30 *
-1	0.50 *	1.01 *	1.02 *	1.02 *	1.03 *	1.03 *	1.04 *	1.04 *	1.04 *	1.30 *
	1.00 *	2.02 *	2.03 *	2.04 *	2.06 *	2.07 *	2.08 *	2.08 *	2.08 *	2.59 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

-3	1.00 *	2.01 *	2.02 *	2.04 *	2.05 *	2.07 *	2.08 *	2.08 *	2.08 *	2.59 *
-5	1.01 *	2.01 *	2.02 *	2.04 *	2.05 *	2.07 *	2.08 *	2.09 *	2.08 *	2.59 *
-7	1.01 *	2.03 *	2.03 *	2.05 *	2.06 *	2.07 *	2.09 *	2.09 *	2.09 *	2.60 *
-9	1.02 *	2.04 *	2.05 *	2.06 *	2.07 *	2.09 *	2.10 *	2.10 *	2.10 *	2.60 *
-11	1.03 *	2.07 *	2.07 *	2.08 *	2.09 *	2.10 *	2.11 *	2.11 *	2.11 *	2.61 *
-13	1.04 *	2.09 *	2.09 *	2.10 *	2.11 *	2.12 *	2.13 *	2.13 *	2.12 *	2.62 *
-15	1.05 *	2.11 *	2.11 *	2.12 *	2.13 *	2.14 *	2.14 *	2.14 *	2.13 *	2.62 *
-17	1.29 *	2.58 *	2.61 *	2.63 *	2.63 *	2.63 *	2.65 *	2.63 *	2.61 *	3.20 *
-19.5	1.48 *	2.97 *	2.99 *	3.01 *	3.01 *	3.03 *	3.04 *	3.02 *	2.99 *	3.65 *
-22.5	1.41 *	2.82 *	2.81 *	2.82 *	2.83 *	2.84 *	2.84 *	2.83 *	2.79 *	3.42 *
-25.5	1.52 *	3.05 *	3.05 *	3.04 *	3.05 *	3.06 *	3.06 *	3.05 *	2.99 *	3.65 *
-29	1.55 *	3.10 *	3.12 *	3.13 *	3.13 *	3.13 *	3.10 *	3.06 *	3.02 *	3.69 *
-33	1.62 *	3.25 *	3.28 *	3.31 *	3.32 *	3.28 *	3.21 *	3.14 *	3.09 *	3.77 *
-37.5	1.76 *	3.56 *	3.59 *	3.59 *	3.57 *	3.51 *	3.41 *	3.30 *	3.20 *	3.84 *
-42.5	1.23 *	2.50 *	2.51 *	2.52 *	2.51 *	2.48 *	2.41 *	2.30 *	2.20 *	2.59 *
-47.5	0.63	1.26	1.25	1.26	1.28	1.29	1.28	1.23	1.16	1.34
-55	0.07	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.18
-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	0.06	0.07	0.07	0.08	0.14
-85	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.07
-90										
Total	75.84	151.89	152.08	152.14	152.15	151.98	151.34	150.15	148.63	183.11

Vert. Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.24	0.24	0.28	0.32	0.34	0.33	0.27	0.32	0.23	0.06
85	5.94 *	5.75 *	6.18 *	6.40 *	6.33 *	5.88 *	4.53 *	3.95	1.76	0.37
75	15.56 *	15.00 *	16.15 *	16.72 *	16.74 *	15.72 *	12.51 *	12.30 *	5.93 *	0.82
65	22.23 *	21.36 *	23.38 *	24.73 *	25.15 *	24.39 *	20.26 *	22.41 *	14.11 *	2.73
55	18.56 *	17.79 *	19.72 *	21.10 *	21.71 *	21.55 *	18.45 *	21.43 *	15.67 *	3.84 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

47.5	12.26 *	11.79 *	13.13 *	14.08 *	14.62 *	14.65 *	12.77 *	15.25 *	11.76 *	3.20 *
42.5	11.58 *	11.19 *	12.52 *	13.52 *	14.12 *	14.23 *	12.52 *	15.20 *	12.27 *	3.60 *
37.5	9.85 *	9.56 *	10.74 *	11.67 *	12.28 *	12.46 *	11.02 *	13.47 *	11.19 *	3.43 *
33	8.29 *	8.08 *	9.13 *	9.97 *	10.55 *	10.78 *	9.60 *	11.82 *	9.96 *	3.11 *
29	6.91 *	6.76 *	7.67 *	8.42 *	8.95 *	9.19 *	8.24 *	10.20 *	8.67 *	2.75 *
25.5	5.68 *	5.58 *	6.35 *	6.99 *	7.45 *	7.68 *	6.92 *	8.61 *	7.36 *	2.34 *
22.5	5.48 *	5.40 *	6.16 *	6.80 *	7.26 *	7.50 *	6.77 *	8.47 *	7.25 *	2.29 *
19.5	4.43 *	4.37 *	4.99 *	5.52 *	5.91 *	6.11 *	5.53 *	6.94 *	5.95 *	1.87 *
17	3.46 *	3.42 *	3.91 *	4.33 *	4.65 *	4.81 *	4.35 *	5.47 *	4.70 *	1.48 *
15	3.39 *	3.35 *	3.84 *	4.26 *	4.58 *	4.74 *	4.29 *	5.40 *	4.63 *	1.45 *
13	3.33 *	3.29 *	3.77 *	4.20 *	4.51 *	4.67 *	4.23 *	5.33 *	4.57 *	1.43 *
11	3.28 *	3.24 *	3.72 *	4.13 *	4.45 *	4.61 *	4.17 *	5.26 *	4.50 *	1.39 *
9	3.23 *	3.19 *	3.66 *	4.07 *	4.39 *	4.55 *	4.11 *	5.18 *	4.42 *	1.36 *
7	3.19 *	3.15 *	3.61 *	4.02 *	4.32 *	4.48 *	4.05 *	5.11 *	4.33 *	1.31 *
5	3.15 *	3.11 *	3.56 *	3.96 *	4.27 *	4.43 *	4.00 *	5.03 *	4.25 *	1.27 *
3	3.12 *	3.08 *	3.52 *	3.92 *	4.21 *	4.37 *	3.94 *	4.95 *	4.15 *	1.22 *
1	1.55 *	1.53 *	1.75 *	1.94 *	2.09 *	2.16 *	1.94 *	2.44 *	2.04 *	0.59 *
0	1.54 *	1.52 *	1.74 *	1.93 *	2.08 *	2.15 *	1.93 *	2.42 *	2.01 *	0.58 *
-1	3.08 *	3.03 *	3.47 *	3.84 *	4.13 *	4.27 *	3.83 *	4.79 *	3.95 *	1.12 *
-3	3.07 *	3.02 *	3.45 *	3.82 *	4.10 *	4.23 *	3.79 *	4.72 *	3.85 *	1.08 *
-5	3.07 *	3.02 *	3.45 *	3.81 *	4.07 *	4.19 *	3.75 *	4.65 *	3.73 *	1.02 *
-7	3.08 *	3.02 *	3.44 *	3.80 *	4.05 *	4.16 *	3.71 *	4.56 *	3.60 *	0.97 *
-9	3.08 *	3.02 *	3.44 *	3.79 *	4.03 *	4.12 *	3.66 *	4.47 *	3.46 *	0.92 *
-11	3.09 *	3.03 *	3.44 *	3.78 *	4.00 *	4.07 *	3.62 *	4.37 *	3.31 *	0.86 *
-13	3.09 *	3.03 *	3.43 *	3.76 *	3.96 *	4.00 *	3.56 *	4.26 *	3.15 *	0.81 *
-15	3.09 *	3.02 *	3.39 *	3.72 *	3.90 *	3.90 *	3.48 *	4.15 *	2.99 *	0.75 *
-17	3.76 *	3.67 *	4.10 *	4.51 *	4.72 *	4.69 *	4.16 *	4.95 *	3.50 *	0.85 *
-19.5	4.27 *	4.15 *	4.65 *	5.10 *	5.33 *	5.29 *	4.65 *	5.49 *	3.80 *	0.89

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	3.98 *	3.85 *	4.33 *	4.69 *	4.89 *	4.86 *	4.24 *	4.96 *	3.34 *	0.75
-25.5	4.25 *	4.08 *	4.58 *	4.96 *	5.12 *	5.07 *	4.38 *	5.07 *	3.28 *	0.69
-29	4.27 *	4.11 *	4.57 *	4.93 *	5.09 *	5.01 *	4.29 *	4.84 *	2.95 *	0.55
-33	4.36 *	4.20 *	4.59 *	4.87 *	4.97 *	4.83 *	4.08 *	4.34 *	2.35 *	0.38
-37.5	4.40 *	4.19 *	4.52 *	4.67 *	4.59 *	4.35 *	3.52 *	3.28 *	1.54	0.27
-42.5	2.93 *	2.79 *	2.97 *	3.01 *	2.95 *	2.70 *	2.03 *	1.65	0.72	0.20
-47.5	1.51	1.43	1.52	1.57	1.60	1.45	1.05	0.90	0.50	0.20
-55	0.22	0.21	0.23	0.25	0.27	0.28	0.25	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	0.21	0.25	0.33	0.42	0.47	0.44	0.35	0.41	0.27	0.05
-85	0.10	0.12	0.16	0.20	0.23	0.22	0.17	0.20	0.13	0.02
-90										
Total	215.18	208.98	233.56	252.54	263.44	263.62	228.99	269.39	202.46	55.01

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.01	0.00		4.19
85				
	0.08	0.00		85.76
75				
	0.13	0.00		234.74
65				
	0.18	0.00		359.55
55				
	0.18	0.00		311.76
47.5				
	0.17	0.00		209.48
42.5				
	0.22	0.00		201.00
37.5				
	0.22	0.00		173.02
33				
	0.21	0.00		147.29
29				
	0.19	0.00		123.84
25.5				
	0.16	0.00		102.49
22.5				
	0.16	0.00		99.31
19.5				
	0.13	0.00		80.51
17				
	0.10	0.00		63.06

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

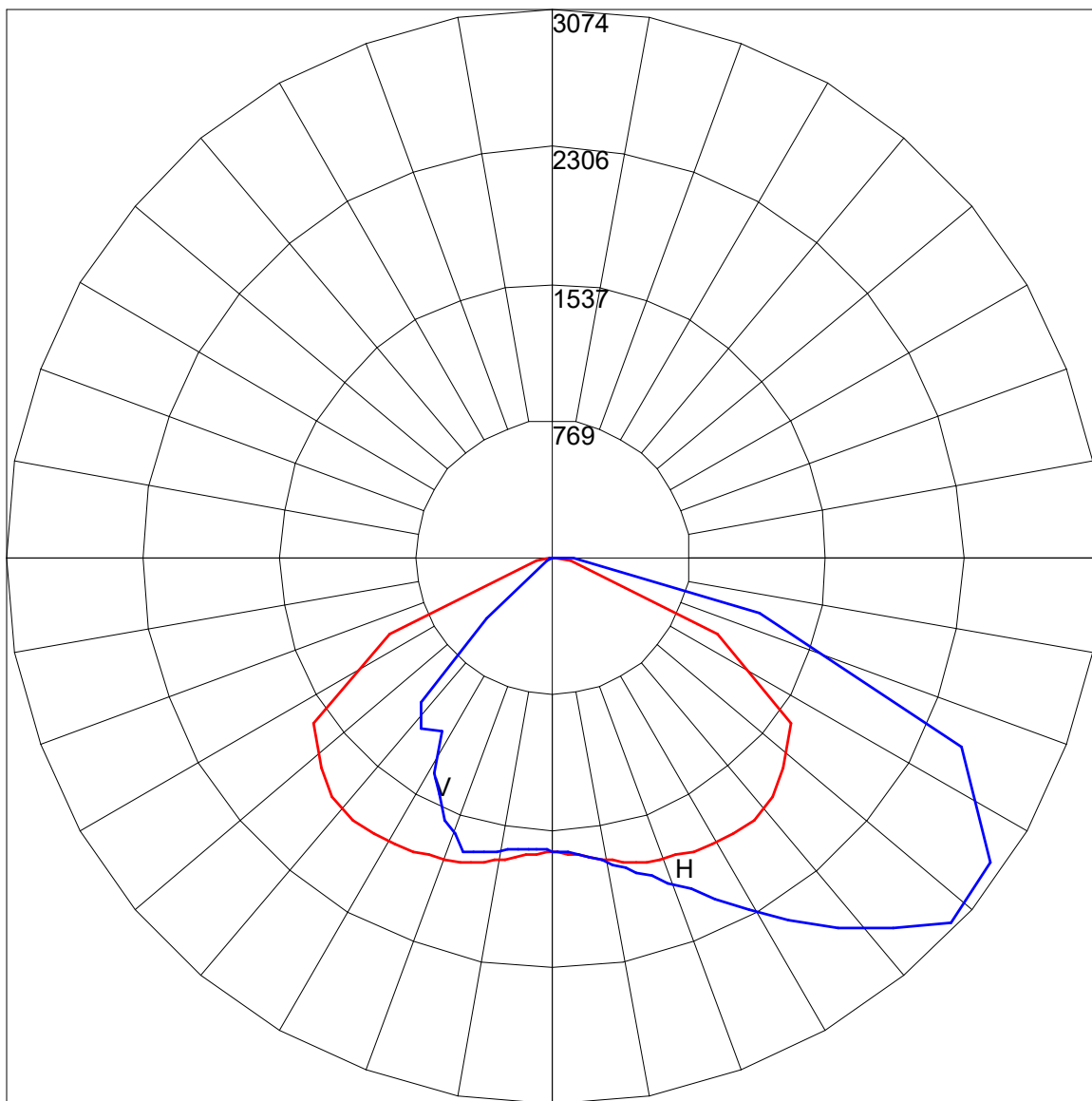
15	0.10	0.00	61.96
13	0.09	0.00	60.93
11	0.09	0.00	59.97
9	0.08	0.00	59.07
7	0.08	0.00	58.23
5	0.07	0.00	57.46
3	0.07	0.00	56.75
1	0.03	0.00	28.13
0	0.03	0.00	27.99
-1	0.06	0.00	55.62
-3	0.05	0.00	55.21
-5	0.05	0.00	54.86
-7	0.05	0.00	54.55
-9	0.05	0.00	54.28
-11	0.05	0.00	54.01
-13	0.04	0.00	53.67
-15	0.04	0.00	53.12
-17	0.05	0.00	64.41
-19.5	0.06	0.00	72.86
-22.5	0.05	0.00	67.34
-25.5	0.06	0.00	71.05
-29	0.06	0.00	70.70
-33	0.06	0.00	70.29
-37.5	0.05	0.00	68.72
-42.5	0.04	0.00	45.26
-47.5	0.04	0.00	23.75
-55	0.03	0.00	3.80
-65	0.01	0.00	0.49

IES FLOOD REPORT
PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-HGS.IES

LUMENS TABULATION - (Cont.)

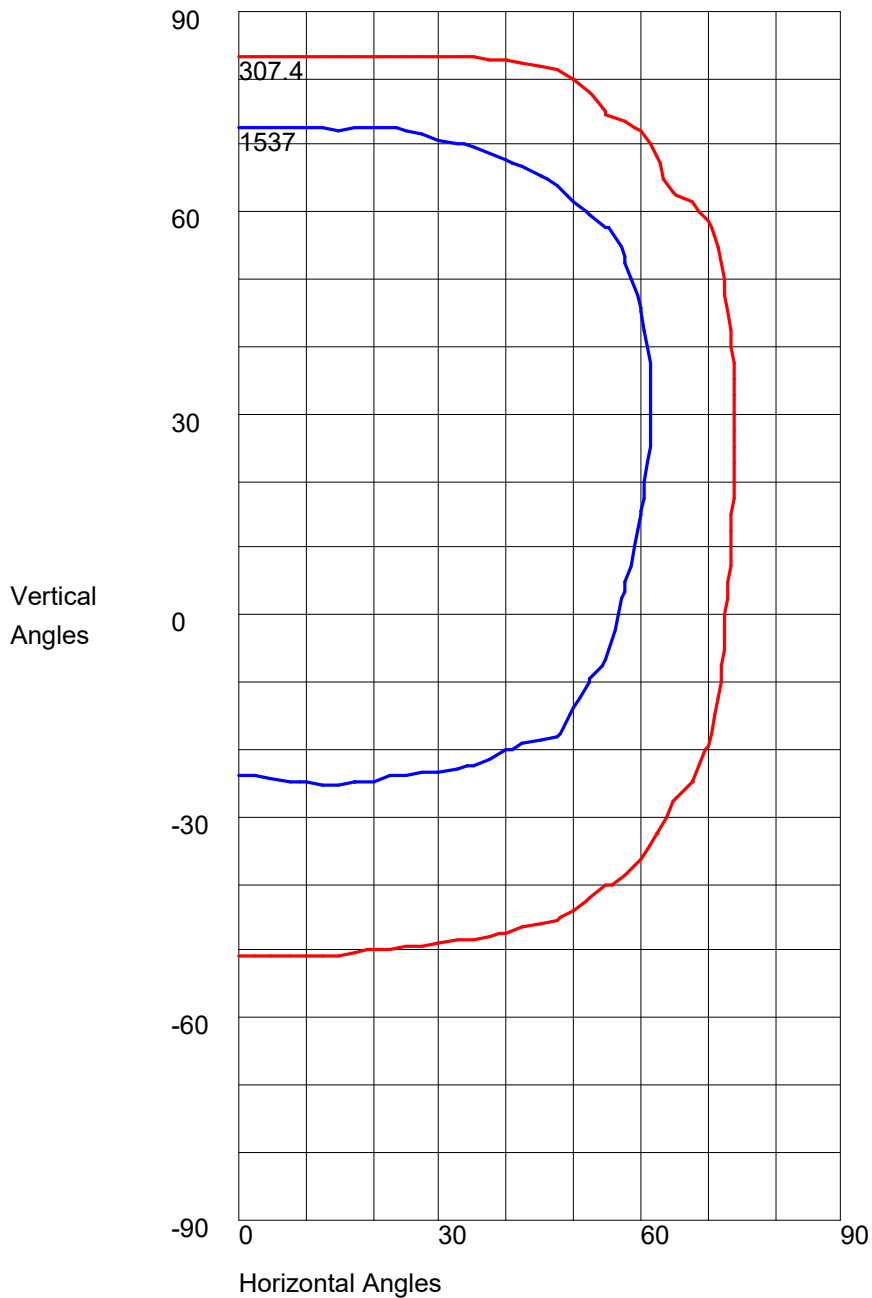
-75	0.01	0.00	3.89
-85	0.00	0.00	1.87
-90			
Total	3.68	0.06	3666.22

AXIAL CANDELA DISPLAY



Maximum Candela = 3074 Located At Horizontal Angle = -11, Vertical Angle = 47.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3074 Located At Horizontal Angle = -11, Vertical Angle = 47.5
50% Maximum Candela = 1537
10% Maximum Candela = 307.4