



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12563
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUE DATE] 03/05/21
[TEST DATE] 03/03/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-VWF-50-80-FGS
[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	6 H x 6 V
Maximum Candela	1994
Maximum Candela Angle	-11H -22.5V
Horizontal Beam Angle (50%)	113.5
Vertical Beam Angle (50%)	101.4
Horizontal Field Angle (10%)	129.0
Vertical Field Angle (10%)	125.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4176
Beam Efficiency	N.A.
Field Lumens	4816
Field Efficiency	N.A.
Spill Lumens	134
Luminaire Lumens	4949
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	7	85	22
75	57	75	45
65	222	65	136
55	1299	55	528
47.5	1470	47.5	1556
42.5	1583	42.5	1472
37.5	1702	37.5	1516
33	1725	33	1720
29	1740	29	1774
25.5	1760	25.5	1825
22.5	1745	22.5	1936
19.5	1765	19.5	1886
17	1762	17	1839
15	1768	15	1804
13	1770	13	1772
11	1755	11	1742
9	1735	9	1717
7	1718	7	1696
5	1703	5	1680
3	1691	3	1667
1	1677	1	1667
0	1669	0	1669
-1	1677	-1	1667
-3	1691	-3	1667
-5	1703	-5	1680
-7	1718	-7	1696
-9	1735	-9	1717
-11	1755	-11	1742
-13	1770	-13	1772
-15	1768	-15	1804
-17	1762	-17	1839
-19.5	1765	-19.5	1886
-22.5	1745	-22.5	1936
-25.5	1760	-25.5	1825
-29	1740	-29	1774
-33	1725	-33	1720
-37.5	1702	-37.5	1516
-42.5	1583	-42.5	1472
-47.5	1470	-47.5	1556
-55	1299	-55	528
-65	222	-65	136
-75	57	-75	45
-85	7	-85	22
-90	0	-90	0

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CANDELA TABULATION

Maximum Candela = 1994

Beam Edge = 997 Cd (50% of Max.)

Field Edge = 199.4 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	0	2	24	81	84	88	89	82	67
75.0	0	1	6	11	15	17	20	23	26	30
65.0	0	2	10	20	30	41	51	65	79	89
55.0	0	3	17	39	64	171	215 *	303 *	340 *	351 *
47.5	0	4	24	58	159	602 *	738 *	911 *	955 *	1066 *
42.5	0	4	29	73	356 *	776 *	893 *	995 *	1076 *	1169 *
37.5	0	5	33	90	545 *	953 *	991 *	1132 *	1211 *	1278 *
33.0	0	5	38	101	740 *	1114 *	1199 *	1334 *	1392 *	1486 *
29.0	0	6	42	108	919 *	1258 *	1359 *	1476 *	1588 *	1613 *
25.5	0	6	45	115	1060 *	1363 *	1486 *	1598 *	1681 *	1745 *
22.5	0	6	48	148	1177 *	1429 *	1549 *	1697 *	1750 *	1844 *
19.5	0	6	51	176	1228 *	1470 *	1593 *	1740 *	1792 *	1865 *
17.0	0	7	52	193	1254 *	1494 *	1622 *	1740 *	1801 *	1847 *
15.0	0	7	53	203 *	1270 *	1498 *	1634 *	1733 *	1794 *	1834 *
13.0	0	7	54	209 *	1284 *	1500 *	1633 *	1719 *	1788 *	1814 *
11.0	0	7	55	212 *	1295 *	1501 *	1627 *	1711 *	1774 *	1803 *
9.0	0	7	56	217 *	1303 *	1500 *	1620 *	1709 *	1758 *	1799 *
7.0	0	7	56	221 *	1307 *	1497 *	1613 *	1708 *	1746 *	1785 *
5.0	0	7	57	223 *	1309 *	1492 *	1604 *	1706 *	1736 *	1765 *
3.0	0	7	57	225 *	1311 *	1485 *	1599 *	1705 *	1728 *	1747 *
1.0	0	7	57	223 *	1303 *	1475 *	1588 *	1704 *	1726 *	1742 *
0.0	0	7	57	222 *	1299 *	1470 *	1583 *	1702 *	1725 *	1740 *
-1.0	0	7	57	223 *	1303 *	1475 *	1588 *	1704 *	1726 *	1742 *
-3.0	0	7	57	225 *	1311 *	1485 *	1599 *	1705 *	1728 *	1747 *
-5.0	0	7	57	223 *	1309 *	1492 *	1604 *	1706 *	1736 *	1765 *
-7.0	0	7	56	221 *	1307 *	1497 *	1613 *	1708 *	1746 *	1785 *
-9.0	0	7	56	217 *	1303 *	1500 *	1620 *	1709 *	1758 *	1799 *
-11.0	0	7	55	212 *	1295 *	1501 *	1627 *	1711 *	1774 *	1803 *
-13.0	0	7	54	209 *	1284 *	1500 *	1633 *	1719 *	1788 *	1814 *
-15.0	0	7	53	203 *	1270 *	1498 *	1634 *	1733 *	1794 *	1834 *
-17.0	0	7	52	193	1254 *	1494 *	1622 *	1740 *	1801 *	1847 *
-19.5	0	6	51	176	1228 *	1470 *	1593 *	1740 *	1792 *	1865 *
-22.5	0	6	48	148	1177 *	1429 *	1549 *	1697 *	1750 *	1844 *
-25.5	0	6	45	115	1060 *	1363 *	1486 *	1598 *	1681 *	1745 *
-29.0	0	6	42	108	919 *	1258 *	1359 *	1476 *	1588 *	1613 *
-33.0	0	5	38	101	740 *	1114 *	1199 *	1334 *	1392 *	1486 *
-37.5	0	5	33	90	545 *	953 *	991 *	1132 *	1211 *	1278 *
-42.5	0	4	29	73	356 *	776 *	893 *	995 *	1076 *	1169 *
-47.5	0	4	24	58	159	602 *	738 *	911 *	955 *	1066 *
-55.0	0	3	17	39	64	171	215 *	303 *	340 *	351 *
-65.0	0	2	10	20	30	41	51	65	79	89
-75.0	0	1	6	11	15	17	20	23	26	30
-85.0	0	0	2	24	81	84	88	89	82	67
-90.0	0	0	0	0	0	0	0	0	0	0

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PHOTOMETRIC FILENAME : PFL-LED-16L-PC-VWF-50-80-FGS.IES

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	55	46	38	30	25	24	23	21	20	19
75.0	33	35	37	39	40	41	42	43	44	45
65.0	99	104	110	115	119	123	126	129	131	134
55.0	393 *	414 *	418 *	415 *	409 *	398 *	423 *	459 *	489 *	511 *
47.5	1180 *	1208 *	1306 *	1347 *	1354 *	1381 *	1422 *	1462 *	1498 *	1531 *
42.5	1231 *	1283 *	1328 *	1363 *	1395 *	1426 *	1456 *	1469 *	1472 *	1476 *
37.5	1323 *	1384 *	1418 *	1465 *	1503 *	1506 *	1526 *	1555 *	1564 *	1561 *
33.0	1513 *	1558 *	1640 *	1648 *	1679 *	1707 *	1690 *	1684 *	1697 *	1710 *
29.0	1684 *	1712 *	1723 *	1782 *	1787 *	1801 *	1825 *	1817 *	1792 *	1784 *
25.5	1789 *	1814 *	1863 *	1850 *	1885 *	1900 *	1881 *	1887 *	1870 *	1852 *
22.5	1863 *	1891 *	1925 *	1949 *	1973 *	1970 *	1994 *	1963 *	1932 *	1929 *
19.5	1890 *	1913 *	1934 *	1942 *	1951 *	1962 *	1953 *	1936 *	1918 *	1903 *
17.0	1872 *	1886 *	1896 *	1903 *	1906 *	1917 *	1911 *	1890 *	1873 *	1858 *
15.0	1849 *	1861 *	1869 *	1876 *	1881 *	1887 *	1875 *	1856 *	1838 *	1822 *
13.0	1830 *	1836 *	1848 *	1849 *	1852 *	1860 *	1845 *	1824 *	1804 *	1788 *
11.0	1811 *	1811 *	1825 *	1821 *	1830 *	1834 *	1818 *	1796 *	1776 *	1758 *
9.0	1790 *	1800 *	1804 *	1808 *	1814 *	1815 *	1797 *	1774 *	1753 *	1733 *
7.0	1778 *	1781 *	1794 *	1792 *	1798 *	1803 *	1781 *	1759 *	1737 *	1716 *
5.0	1772 *	1763 *	1790 *	1773 *	1789 *	1788 *	1770 *	1747 *	1727 *	1706 *
3.0	1763 *	1749 *	1776 *	1764 *	1779 *	1777 *	1762 *	1741 *	1722 *	1703 *
1.0	1760 *	1744 *	1766 *	1760 *	1767 *	1767 *	1751 *	1732 *	1716 *	1700 *
0.0	1760 *	1745 *	1765 *	1762 *	1768 *	1770 *	1755 *	1735 *	1718 *	1703 *
-1.0	1760 *	1744 *	1766 *	1760 *	1767 *	1767 *	1751 *	1732 *	1716 *	1700 *
-3.0	1763 *	1749 *	1776 *	1764 *	1779 *	1777 *	1762 *	1741 *	1722 *	1703 *
-5.0	1772 *	1763 *	1790 *	1773 *	1789 *	1788 *	1770 *	1747 *	1727 *	1706 *
-7.0	1778 *	1781 *	1794 *	1792 *	1798 *	1803 *	1781 *	1759 *	1737 *	1716 *
-9.0	1790 *	1800 *	1804 *	1808 *	1814 *	1815 *	1797 *	1774 *	1753 *	1733 *
-11.0	1811 *	1811 *	1825 *	1821 *	1830 *	1834 *	1818 *	1796 *	1776 *	1758 *
-13.0	1830 *	1836 *	1848 *	1849 *	1852 *	1860 *	1845 *	1824 *	1804 *	1788 *
-15.0	1849 *	1861 *	1869 *	1876 *	1881 *	1887 *	1875 *	1856 *	1838 *	1822 *
-17.0	1872 *	1886 *	1896 *	1903 *	1906 *	1917 *	1911 *	1890 *	1873 *	1858 *
-19.5	1890 *	1913 *	1934 *	1942 *	1951 *	1962 *	1953 *	1936 *	1918 *	1903 *
-22.5	1863 *	1891 *	1925 *	1949 *	1973 *	1970 *	1994 *	1963 *	1932 *	1929 *
-25.5	1789 *	1814 *	1863 *	1850 *	1885 *	1900 *	1881 *	1887 *	1870 *	1852 *
-29.0	1684 *	1712 *	1723 *	1782 *	1787 *	1801 *	1825 *	1817 *	1792 *	1784 *
-33.0	1513 *	1558 *	1640 *	1648 *	1679 *	1707 *	1690 *	1684 *	1697 *	1710 *
-37.5	1323 *	1384 *	1418 *	1465 *	1503 *	1506 *	1526 *	1555 *	1564 *	1561 *
-42.5	1231 *	1283 *	1328 *	1363 *	1395 *	1426 *	1456 *	1469 *	1472 *	1476 *
-47.5	1180 *	1208 *	1306 *	1347 *	1354 *	1381 *	1422 *	1462 *	1498 *	1531 *
-55.0	393 *	414 *	418 *	415 *	409 *	398 *	423 *	459 *	489 *	511 *
-65.0	99	104	110	115	119	123	126	129	131	134
-75.0	33	35	37	39	40	41	42	43	44	45
-85.0	55	46	38	30	25	24	23	21	20	19
-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	20	21	22	21	20	19	20	21	23	24
75.0	45	45	45	45	45	45	44	43	42	41
65.0	135	136	136	136	135	134	131	129	126	123

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CANDELA TABULATION - (Cont.)

55.0	532 *	529 *	528 *	529 *	532 *	511 *	489 *	459 *	423 *	398 *
47.5	1562 *	1558 *	1556 *	1558 *	1562 *	1531 *	1498 *	1462 *	1422 *	1381 *
42.5	1476 *	1473 *	1472 *	1473 *	1476 *	1476 *	1472 *	1469 *	1456 *	1426 *
37.5	1547 *	1528 *	1516 *	1528 *	1547 *	1561 *	1564 *	1555 *	1526 *	1506 *
33.0	1716 *	1720 *	1720 *	1720 *	1716 *	1710 *	1697 *	1684 *	1690 *	1707 *
29.0	1775 *	1774 *	1774 *	1774 *	1775 *	1784 *	1792 *	1817 *	1825 *	1801 *
25.5	1836 *	1827 *	1825 *	1827 *	1836 *	1852 *	1870 *	1887 *	1881 *	1900 *
22.5	1933 *	1937 *	1936 *	1937 *	1933 *	1929 *	1932 *	1963 *	1994 *	1970 *
19.5	1892 *	1886 *	1886 *	1886 *	1892 *	1903 *	1918 *	1936 *	1953 *	1962 *
17.0	1845 *	1838 *	1839 *	1838 *	1845 *	1858 *	1873 *	1890 *	1911 *	1917 *
15.0	1810 *	1802 *	1804 *	1802 *	1810 *	1822 *	1838 *	1856 *	1875 *	1887 *
13.0	1777 *	1770 *	1772 *	1770 *	1777 *	1788 *	1804 *	1824 *	1845 *	1860 *
11.0	1747 *	1741 *	1742 *	1741 *	1747 *	1758 *	1776 *	1796 *	1818 *	1834 *
9.0	1721 *	1715 *	1717 *	1715 *	1721 *	1733 *	1753 *	1774 *	1797 *	1815 *
7.0	1700 *	1694 *	1696 *	1694 *	1700 *	1716 *	1737 *	1759 *	1781 *	1803 *
5.0	1687 *	1676 *	1680 *	1676 *	1687 *	1706 *	1727 *	1747 *	1770 *	1788 *
3.0	1682 *	1665 *	1667 *	1665 *	1682 *	1703 *	1722 *	1741 *	1762 *	1777 *
1.0	1689 *	1670 *	1667 *	1670 *	1689 *	1700 *	1716 *	1732 *	1751 *	1767 *
0.0	1691 *	1677 *	1669 *	1677 *	1691 *	1703 *	1718 *	1735 *	1755 *	1770 *
-1.0	1689 *	1670 *	1667 *	1670 *	1689 *	1700 *	1716 *	1732 *	1751 *	1767 *
-3.0	1682 *	1665 *	1667 *	1665 *	1682 *	1703 *	1722 *	1741 *	1762 *	1777 *
-5.0	1687 *	1676 *	1680 *	1676 *	1687 *	1706 *	1727 *	1747 *	1770 *	1788 *
-7.0	1700 *	1694 *	1696 *	1694 *	1700 *	1716 *	1737 *	1759 *	1781 *	1803 *
-9.0	1721 *	1715 *	1717 *	1715 *	1721 *	1733 *	1753 *	1774 *	1797 *	1815 *
-11.0	1747 *	1741 *	1742 *	1741 *	1747 *	1758 *	1776 *	1796 *	1818 *	1834 *
-13.0	1777 *	1770 *	1772 *	1770 *	1777 *	1788 *	1804 *	1824 *	1845 *	1860 *
-15.0	1810 *	1802 *	1804 *	1802 *	1810 *	1822 *	1838 *	1856 *	1875 *	1887 *
-17.0	1845 *	1838 *	1839 *	1838 *	1845 *	1858 *	1873 *	1890 *	1911 *	1917 *
-19.5	1892 *	1886 *	1886 *	1886 *	1892 *	1903 *	1918 *	1936 *	1953 *	1962 *
-22.5	1933 *	1937 *	1936 *	1937 *	1933 *	1929 *	1932 *	1963 *	1994 *	1970 *
-25.5	1836 *	1827 *	1825 *	1827 *	1836 *	1852 *	1870 *	1887 *	1881 *	1900 *
-29.0	1775 *	1774 *	1774 *	1774 *	1775 *	1784 *	1792 *	1817 *	1825 *	1801 *
-33.0	1716 *	1720 *	1720 *	1720 *	1716 *	1710 *	1697 *	1684 *	1690 *	1707 *
-37.5	1547 *	1528 *	1516 *	1528 *	1547 *	1561 *	1564 *	1555 *	1526 *	1506 *
-42.5	1476 *	1473 *	1472 *	1473 *	1476 *	1476 *	1472 *	1469 *	1456 *	1426 *
-47.5	1562 *	1558 *	1556 *	1558 *	1562 *	1531 *	1498 *	1462 *	1422 *	1381 *
-55.0	532 *	529 *	528 *	529 *	532 *	511 *	489 *	459 *	423 *	398 *
-65.0	135	136	136	136	135	134	131	129	126	123
-75.0	45	45	45	45	45	45	44	43	42	41
-85.0	20	21	22	21	20	19	20	21	23	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	25	30	38	46	55	67	82	89	88	84
75.0	40	39	37	35	33	30	26	23	20	17
65.0	119	115	110	104	99	89	79	65	51	41
55.0	409 *	415 *	418 *	414 *	393 *	351 *	340 *	303 *	215 *	171
47.5	1354 *	1347 *	1306 *	1208 *	1180 *	1066 *	955 *	911 *	738 *	602 *
42.5	1395 *	1363 *	1328 *	1283 *	1231 *	1169 *	1076 *	995 *	893 *	776 *
37.5	1503 *	1465 *	1418 *	1384 *	1323 *	1278 *	1211 *	1132 *	991 *	953 *
33.0	1679 *	1648 *	1640 *	1558 *	1513 *	1486 *	1392 *	1334 *	1199 *	1114 *
29.0	1787 *	1782 *	1723 *	1712 *	1684 *	1613 *	1588 *	1476 *	1359 *	1258 *
25.5	1885 *	1850 *	1863 *	1814 *	1789 *	1745 *	1681 *	1598 *	1486 *	1363 *

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CANDELA TABULATION - (Cont.)

22.5	1973 *	1949 *	1925 *	1891 *	1863 *	1844 *	1750 *	1697 *	1549 *	1429 *
19.5	1951 *	1942 *	1934 *	1913 *	1890 *	1865 *	1792 *	1740 *	1593 *	1470 *
17.0	1906 *	1903 *	1896 *	1886 *	1872 *	1847 *	1801 *	1740 *	1622 *	1494 *
15.0	1881 *	1876 *	1869 *	1861 *	1849 *	1834 *	1794 *	1733 *	1634 *	1498 *
13.0	1852 *	1849 *	1848 *	1836 *	1830 *	1814 *	1788 *	1719 *	1633 *	1500 *
11.0	1830 *	1821 *	1825 *	1811 *	1811 *	1803 *	1774 *	1711 *	1627 *	1501 *
9.0	1814 *	1808 *	1804 *	1800 *	1790 *	1799 *	1758 *	1709 *	1620 *	1500 *
7.0	1798 *	1792 *	1794 *	1781 *	1778 *	1785 *	1746 *	1708 *	1613 *	1497 *
5.0	1789 *	1773 *	1790 *	1763 *	1772 *	1765 *	1736 *	1706 *	1604 *	1492 *
3.0	1779 *	1764 *	1776 *	1749 *	1763 *	1747 *	1728 *	1705 *	1599 *	1485 *
1.0	1767 *	1760 *	1766 *	1744 *	1760 *	1742 *	1726 *	1704 *	1588 *	1475 *
0.0	1768 *	1762 *	1765 *	1745 *	1760 *	1740 *	1725 *	1702 *	1583 *	1470 *
-1.0	1767 *	1760 *	1766 *	1744 *	1760 *	1742 *	1726 *	1704 *	1588 *	1475 *
-3.0	1779 *	1764 *	1776 *	1749 *	1763 *	1747 *	1728 *	1705 *	1599 *	1485 *
-5.0	1789 *	1773 *	1790 *	1763 *	1772 *	1765 *	1736 *	1706 *	1604 *	1492 *
-7.0	1798 *	1792 *	1794 *	1781 *	1778 *	1785 *	1746 *	1708 *	1613 *	1497 *
-9.0	1814 *	1808 *	1804 *	1800 *	1790 *	1799 *	1758 *	1709 *	1620 *	1500 *
-11.0	1830 *	1821 *	1825 *	1811 *	1811 *	1803 *	1774 *	1711 *	1627 *	1501 *
-13.0	1852 *	1849 *	1848 *	1836 *	1830 *	1814 *	1788 *	1719 *	1633 *	1500 *
-15.0	1881 *	1876 *	1869 *	1861 *	1849 *	1834 *	1794 *	1733 *	1634 *	1498 *
-17.0	1906 *	1903 *	1896 *	1886 *	1872 *	1847 *	1801 *	1740 *	1622 *	1494 *
-19.5	1951 *	1942 *	1934 *	1913 *	1890 *	1865 *	1792 *	1740 *	1593 *	1470 *
-22.5	1973 *	1949 *	1925 *	1891 *	1863 *	1844 *	1750 *	1697 *	1549 *	1429 *
-25.5	1885 *	1850 *	1863 *	1814 *	1789 *	1745 *	1681 *	1598 *	1486 *	1363 *
-29.0	1787 *	1782 *	1723 *	1712 *	1684 *	1613 *	1588 *	1476 *	1359 *	1258 *
-33.0	1679 *	1648 *	1640 *	1558 *	1513 *	1486 *	1392 *	1334 *	1199 *	1114 *
-37.5	1503 *	1465 *	1418 *	1384 *	1323 *	1278 *	1211 *	1132 *	991 *	953 *
-42.5	1395 *	1363 *	1328 *	1283 *	1231 *	1169 *	1076 *	995 *	893 *	776 *
-47.5	1354 *	1347 *	1306 *	1208 *	1180 *	1066 *	955 *	911 *	738 *	602 *
-55.0	409 *	415 *	418 *	414 *	393 *	351 *	340 *	303 *	215 *	171
-65.0	119	115	110	104	99	89	79	65	51	41
-75.0	40	39	37	35	33	30	26	23	20	17
-85.0	25	30	38	46	55	67	82	89	88	84
-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	81	24	2	0	0
75.0	15	11	6	1	0
65.0	30	20	10	2	0
55.0	64	39	17	3	0
47.5	159	58	24	4	0
42.5	356 *	73	29	4	0
37.5	545 *	90	33	5	0
33.0	740 *	101	38	5	0
29.0	919 *	108	42	6	0
25.5	1060 *	115	45	6	0
22.5	1177 *	148	48	6	0
19.5	1228 *	176	51	6	0
17.0	1254 *	193	52	7	0
15.0	1270 *	203 *	53	7	0
13.0	1284 *	209 *	54	7	0
11.0	1295 *	212 *	55	7	0
9.0	1303 *	217 *	56	7	0

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

CANDELA TABULATION - (Cont.)

7.0	1307 *	221 *	56	7	0
5.0	1309 *	223 *	57	7	0
3.0	1311 *	225 *	57	7	0
1.0	1303 *	223 *	57	7	0
0.0	1299 *	222 *	57	7	0
-1.0	1303 *	223 *	57	7	0
-3.0	1311 *	225 *	57	7	0
-5.0	1309 *	223 *	57	7	0
-7.0	1307 *	221 *	56	7	0
-9.0	1303 *	217 *	56	7	0
-11.0	1295 *	212 *	55	7	0
-13.0	1284 *	209 *	54	7	0
-15.0	1270 *	203 *	53	7	0
-17.0	1254 *	193	52	7	0
-19.5	1228 *	176	51	6	0
-22.5	1177 *	148	48	6	0
-25.5	1060 *	115	45	6	0
-29.0	919 *	108	42	6	0
-33.0	740 *	101	38	5	0
-37.5	545 *	90	33	5	0
-42.5	356 *	73	29	4	0
-47.5	159	58	24	4	0
-55.0	64	39	17	3	0
-65.0	30	20	10	2	0
-75.0	15	11	6	1	0
-85.0	81	24	2	0	0
-90.0	0	0	0	0	0

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

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2474.61

Total Field Lumens (one side of beam only) = 2407.82

* 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	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.06
75	0.10	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.20	0.26
65	0.28	0.55	0.55	0.54	0.52	0.51	0.49	0.48	0.46	0.54
55	1.01 *	2.03 *	1.99 *	1.92 *	1.82 *	1.71 *	1.59 *	1.55 *	1.55 *	1.91 *
47.5	2.38 *	4.77 *	4.71 *	4.58 *	4.42 *	4.24 *	4.05 *	3.93 *	3.87 *	4.73 *
42.5	2.31 *	4.62 *	4.59 *	4.53 *	4.45 *	4.36 *	4.23 *	4.11 *	4.00 *	4.83 *
37.5	2.28 *	4.58 *	4.60 *	4.60 *	4.57 *	4.50 *	4.41 *	4.31 *	4.19 *	5.04 *
33	2.22 *	4.46 *	4.47 *	4.45 *	4.41 *	4.36 *	4.31 *	4.25 *	4.15 *	5.02 *
29	2.13 *	4.25 *	4.24 *	4.23 *	4.22 *	4.21 *	4.18 *	4.12 *	4.04 *	4.91 *
25.5	1.92 *	3.84 *	3.85 *	3.87 *	3.89 *	3.89 *	3.86 *	3.81 *	3.74 *	4.57 *
22.5	1.72 *	3.44 *	3.44 *	3.45 *	3.46 *	3.48 *	3.46 *	3.43 *	3.36 *	4.12 *
19.5	1.75 *	3.49 *	3.49 *	3.49 *	3.51 *	3.53 *	3.52 *	3.48 *	3.43 *	4.20 *
17	1.42 *	2.84 *	2.85 *	2.86 *	2.87 *	2.88 *	2.88 *	2.86 *	2.82 *	3.47 *
15	1.11 *	2.22 *	2.23 *	2.24 *	2.25 *	2.26 *	2.26 *	2.24 *	2.22 *	2.73 *
13	1.09 *	2.18 *	2.19 *	2.20 *	2.21 *	2.22 *	2.22 *	2.21 *	2.18 *	2.69 *
11	1.07 *	2.14 *	2.15 *	2.16 *	2.17 *	2.18 *	2.19 *	2.18 *	2.15 *	2.66 *
9	1.05 *	2.11 *	2.11 *	2.13 *	2.14 *	2.16 *	2.16 *	2.16 *	2.13 *	2.62 *
7	1.04 *	2.08 *	2.09 *	2.10 *	2.12 *	2.13 *	2.14 *	2.14 *	2.11 *	2.60 *
5	1.03 *	2.06 *	2.07 *	2.09 *	2.10 *	2.12 *	2.13 *	2.12 *	2.09 *	2.59 *
3	1.02 *	2.04 *	2.06 *	2.08 *	2.09 *	2.11 *	2.11 *	2.11 *	2.08 *	2.57 *
1	1.02 *	2.04 *	2.06 *	2.07 *	2.08 *	2.10 *	2.10 *	2.10 *	2.07 *	2.55 *
0	0.51 *	1.02 *	1.03 *	1.04 *	1.04 *	1.05 *	1.05 *	1.05 *	1.03 *	1.28 *
-1	0.51 *	1.02 *	1.03 *	1.04 *	1.04 *	1.05 *	1.05 *	1.05 *	1.03 *	1.28 *
	1.02 *	2.04 *	2.06 *	2.07 *	2.08 *	2.10 *	2.10 *	2.10 *	2.07 *	2.55 *

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

LUMENS TABULATION - (Cont.)

-3	1.02 *	2.04 *	2.06 *	2.08 *	2.09 *	2.11 *	2.11 *	2.11 *	2.08 *	2.57 *
-5	1.03 *	2.06 *	2.07 *	2.09 *	2.10 *	2.12 *	2.13 *	2.12 *	2.09 *	2.59 *
-7	1.04 *	2.08 *	2.09 *	2.10 *	2.12 *	2.13 *	2.14 *	2.14 *	2.11 *	2.60 *
-9	1.05 *	2.11 *	2.11 *	2.13 *	2.14 *	2.16 *	2.16 *	2.16 *	2.13 *	2.62 *
-11	1.07 *	2.14 *	2.15 *	2.16 *	2.17 *	2.18 *	2.19 *	2.18 *	2.15 *	2.66 *
-13	1.09 *	2.18 *	2.19 *	2.20 *	2.21 *	2.22 *	2.22 *	2.21 *	2.18 *	2.69 *
-15	1.11 *	2.22 *	2.23 *	2.24 *	2.25 *	2.26 *	2.26 *	2.24 *	2.22 *	2.73 *
-17	1.42 *	2.84 *	2.85 *	2.86 *	2.87 *	2.88 *	2.88 *	2.86 *	2.82 *	3.47 *
-19.5	1.75 *	3.49 *	3.49 *	3.49 *	3.51 *	3.53 *	3.52 *	3.48 *	3.43 *	4.20 *
-22.5	1.72 *	3.44 *	3.44 *	3.45 *	3.46 *	3.48 *	3.46 *	3.43 *	3.36 *	4.12 *
-25.5	1.92 *	3.84 *	3.85 *	3.87 *	3.89 *	3.89 *	3.86 *	3.81 *	3.74 *	4.57 *
-29	2.13 *	4.25 *	4.24 *	4.23 *	4.22 *	4.21 *	4.18 *	4.12 *	4.04 *	4.91 *
-33	2.22 *	4.46 *	4.47 *	4.45 *	4.41 *	4.36 *	4.31 *	4.25 *	4.15 *	5.02 *
-37.5	2.28 *	4.58 *	4.60 *	4.60 *	4.57 *	4.50 *	4.41 *	4.31 *	4.19 *	5.04 *
-42.5	2.31 *	4.62 *	4.59 *	4.53 *	4.45 *	4.36 *	4.23 *	4.11 *	4.00 *	4.83 *
-47.5	2.38 *	4.77 *	4.71 *	4.58 *	4.42 *	4.24 *	4.05 *	3.93 *	3.87 *	4.73 *
-55	1.01 *	2.03 *	1.99 *	1.92 *	1.82 *	1.71 *	1.59 *	1.55 *	1.55 *	1.91 *
-65	0.28	0.55	0.55	0.54	0.52	0.51	0.49	0.48	0.46	0.54
-75	0.10	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.20	0.26
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06
-90										
Total	56.92	114.01	114.00	113.64	113.15	112.40	111.22	109.69	107.83	131.90

Vert. Angles	Horizontal Angles									
	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.09	0.11	0.14	0.19	0.24	0.26	0.23	0.29	0.20	0.03
85	0.33	0.35	0.44	0.54	0.62	0.64	0.56	0.70	0.50	0.11
75	0.61	0.57	0.59	0.58	0.54	0.46	0.35	0.37	0.29	0.12
65	2.23 *	2.11 *	2.21 *	2.24 *	2.20	1.85	1.29	1.09	0.58	0.22
55	5.35 *	5.00 *	5.31 *	5.31 *	5.26 *	4.74 *	3.48 *	2.67 *	0.91	0.27

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

LUMENS TABULATION - (Cont.)

47.5										
	5.46 *	5.11 *	5.50 *	5.57 *	5.51 *	5.16 *	4.05 *	3.38 *	1.23	0.24
42.5	5.77 *	5.45 *	5.92 *	6.18 *	6.17 *	5.85 *	4.86 *	4.70 *	2.02 *	0.29
37.5	5.76 *	5.43 *	5.97 *	6.30 *	6.38 *	6.11 *	5.16 *	5.39 *	2.53 *	0.31
33	5.66 *	5.40 *	5.97 *	6.35 *	6.48 *	6.26 *	5.31 *	5.76 *	2.84 *	0.30
29	5.31 *	5.11 *	5.66 *	6.06 *	6.21 *	6.04 *	5.15 *	5.75 *	2.93 *	0.28
25.5	4.79 *	4.61 *	5.15 *	5.50 *	5.65 *	5.54 *	4.71 *	5.39 *	2.85 *	0.28
22.5	4.90 *	4.73 *	5.30 *	5.68 *	5.86 *	5.76 *	4.88 *	5.68 *	3.11 *	0.33
19.5	4.07 *	3.94 *	4.43 *	4.77 *	4.95 *	4.88 *	4.16 *	4.86 *	2.71 *	0.31
17	3.20 *	3.12 *	3.51 *	3.80 *	3.96 *	3.92 *	3.36 *	3.94 *	2.22 *	0.26
15	3.16 *	3.08 *	3.47 *	3.77 *	3.94 *	3.92 *	3.37 *	3.97 *	2.26 *	0.27
13	3.12 *	3.04 *	3.44 *	3.75 *	3.91 *	3.90 *	3.37 *	3.99 *	2.28 *	0.28
11	3.09 *	3.01 *	3.41 *	3.72 *	3.89 *	3.89 *	3.36 *	4.00 *	2.30 *	0.28
9	3.06 *	2.98 *	3.39 *	3.70 *	3.87 *	3.88 *	3.35 *	4.01 *	2.32 *	0.29
7	3.04 *	2.96 *	3.36 *	3.67 *	3.86 *	3.87 *	3.34 *	4.00 *	2.33 *	0.29
5	3.02 *	2.94 *	3.34 *	3.64 *	3.85 *	3.86 *	3.33 *	4.00 *	2.33 *	0.29
3	3.00 *	2.93 *	3.32 *	3.63 *	3.84 *	3.85 *	3.31 *	3.98 *	2.33 *	0.29
1	1.50 *	1.46 *	1.66 *	1.81 *	1.92 *	1.92 *	1.65 *	1.98 *	1.16 *	0.15
0	1.50 *	1.46 *	1.66 *	1.81 *	1.92 *	1.92 *	1.65 *	1.98 *	1.16 *	0.15
-1	3.00 *	2.93 *	3.32 *	3.63 *	3.84 *	3.85 *	3.31 *	3.98 *	2.33 *	0.29
-3	3.02 *	2.94 *	3.34 *	3.64 *	3.85 *	3.86 *	3.33 *	4.00 *	2.33 *	0.29
-5	3.04 *	2.96 *	3.36 *	3.67 *	3.86 *	3.87 *	3.34 *	4.00 *	2.33 *	0.29
-7	3.06 *	2.98 *	3.39 *	3.70 *	3.87 *	3.88 *	3.35 *	4.01 *	2.32 *	0.29
-9	3.09 *	3.01 *	3.41 *	3.72 *	3.89 *	3.89 *	3.36 *	4.00 *	2.30 *	0.28
-11	3.12 *	3.04 *	3.44 *	3.75 *	3.91 *	3.90 *	3.37 *	3.99 *	2.28 *	0.28
-13	3.16 *	3.08 *	3.47 *	3.77 *	3.94 *	3.92 *	3.37 *	3.97 *	2.26 *	0.27
-15	3.20 *	3.12 *	3.51 *	3.80 *	3.96 *	3.92 *	3.36 *	3.94 *	2.22 *	0.26
-17	4.07 *	3.94 *	4.43 *	4.77 *	4.95 *	4.88 *	4.16 *	4.86 *	2.71 *	0.31
-19.5	4.90 *	4.73 *	5.30 *	5.68 *	5.86 *	5.76 *	4.88 *	5.68 *	3.11 *	0.33

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

LUMENS TABULATION - (Cont.)

-22.5	4.79 *	4.61 *	5.15 *	5.50 *	5.65 *	5.54 *	4.71 *	5.39 *	2.85 *	0.28
-25.5	5.31 *	5.11 *	5.66 *	6.06 *	6.21 *	6.04 *	5.15 *	5.75 *	2.93 *	0.28
-29	5.66 *	5.40 *	5.97 *	6.35 *	6.48 *	6.26 *	5.31 *	5.76 *	2.84 *	0.30
-33	5.76 *	5.43 *	5.97 *	6.30 *	6.38 *	6.11 *	5.16 *	5.39 *	2.53 *	0.31
-37.5	5.77 *	5.45 *	5.92 *	6.18 *	6.17 *	5.85 *	4.86 *	4.70 *	2.02 *	0.29
-42.5	5.46 *	5.11 *	5.50 *	5.57 *	5.51 *	5.16 *	4.05 *	3.38 *	1.23	0.24
-47.5	5.35 *	5.00 *	5.31 *	5.31 *	5.26 *	4.74 *	3.48 *	2.67 *	0.91	0.27
-55	2.23 *	2.11 *	2.21 *	2.24 *	2.20	1.85	1.29	1.09	0.58	0.22
-65	0.61	0.57	0.59	0.58	0.54	0.46	0.35	0.37	0.29	0.12
-75	0.33	0.35	0.44	0.54	0.62	0.64	0.56	0.70	0.50	0.11
-85	0.09	0.11	0.14	0.19	0.24	0.26	0.23	0.29	0.20	0.03
-90										
Total	153.07	146.87	163.02	173.52	178.20	173.08	145.25	159.83	84.47	10.98

Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90				
	0.00	0.00		2.14
85				
	0.01	0.00		6.72
75				
	0.03	0.00		9.42
65				
	0.04	0.00		33.15
55				
	0.05	0.00		80.04
47.5				
	0.04	0.00		83.27
42.5				
	0.05	0.00		90.35
37.5				
	0.05	0.00		91.48
33				
	0.05	0.00		90.91
29				
	0.05	0.00		85.80
25.5				
	0.04	0.00		77.84
22.5				
	0.04	0.00		80.18
19.5				
	0.04	0.00		66.86
17				
	0.03	0.00		53.08

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

LUMENS TABULATION - (Cont.)

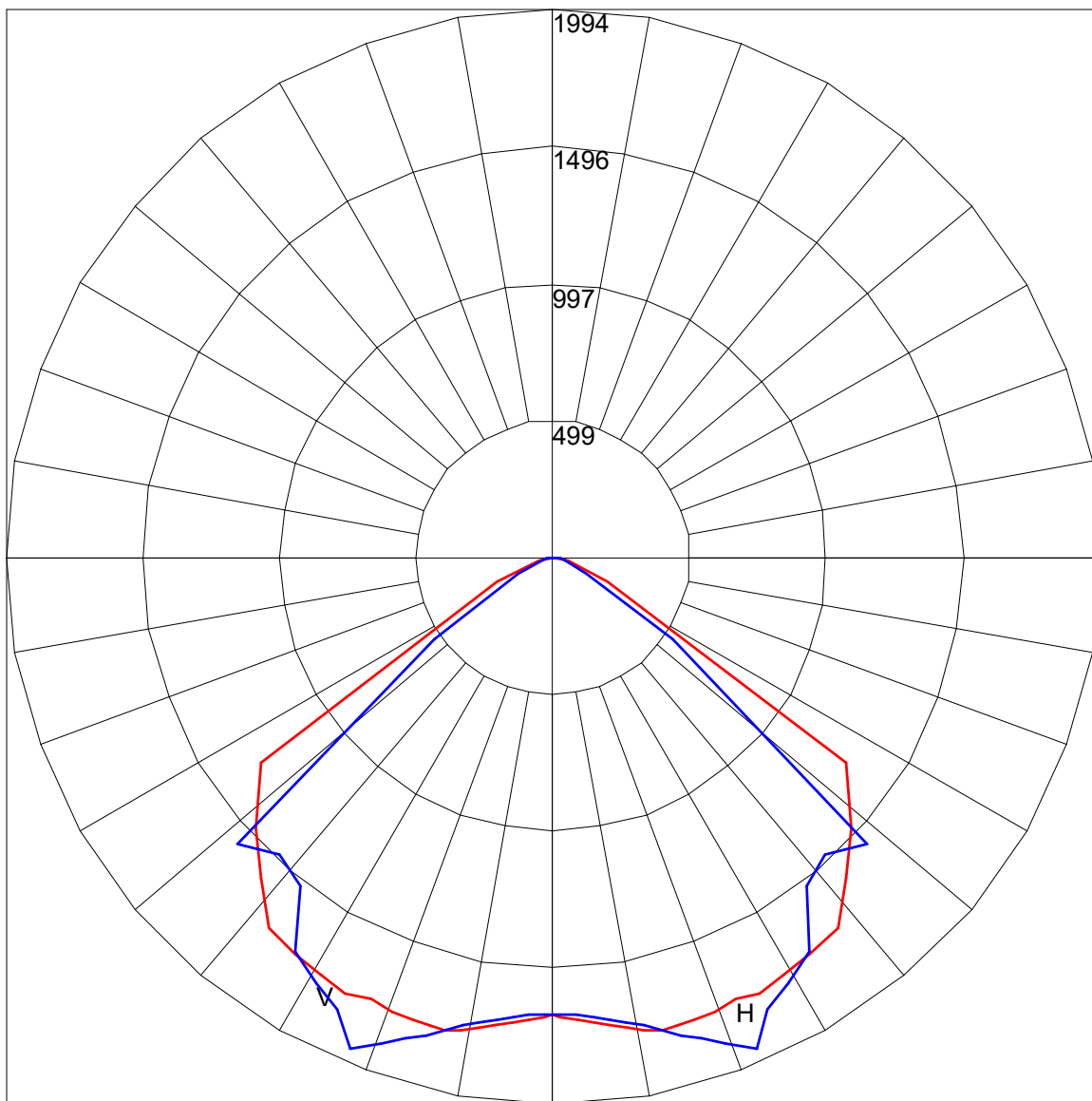
15			
	0.03	0.00	52.63
13			
	0.03	0.00	52.17
11			
	0.03	0.00	51.77
9			
	0.03	0.00	51.44
7			
	0.03	0.00	51.15
5			
	0.03	0.00	50.90
3			
	0.03	0.00	50.70
1			
	0.02	0.00	25.30
0			
	0.02	0.00	25.30
-1			
	0.03	0.00	50.70
-3			
	0.03	0.00	50.90
-5			
	0.03	0.00	51.15
-7			
	0.03	0.00	51.44
-9			
	0.03	0.00	51.77
-11			
	0.03	0.00	52.17
-13			
	0.03	0.00	52.63
-15			
	0.03	0.00	53.08
-17			
	0.04	0.00	66.86
-19.5			
	0.04	0.00	80.18
-22.5			
	0.04	0.00	77.84
-25.5			
	0.05	0.00	85.80
-29			
	0.05	0.00	90.91
-33			
	0.05	0.00	91.48
-37.5			
	0.05	0.00	90.35
-42.5			
	0.04	0.00	83.27
-47.5			
	0.05	0.00	80.04
-55			
	0.04	0.00	33.15
-65			
	0.03	0.00	9.42

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

LUMENS TABULATION - (Cont.)

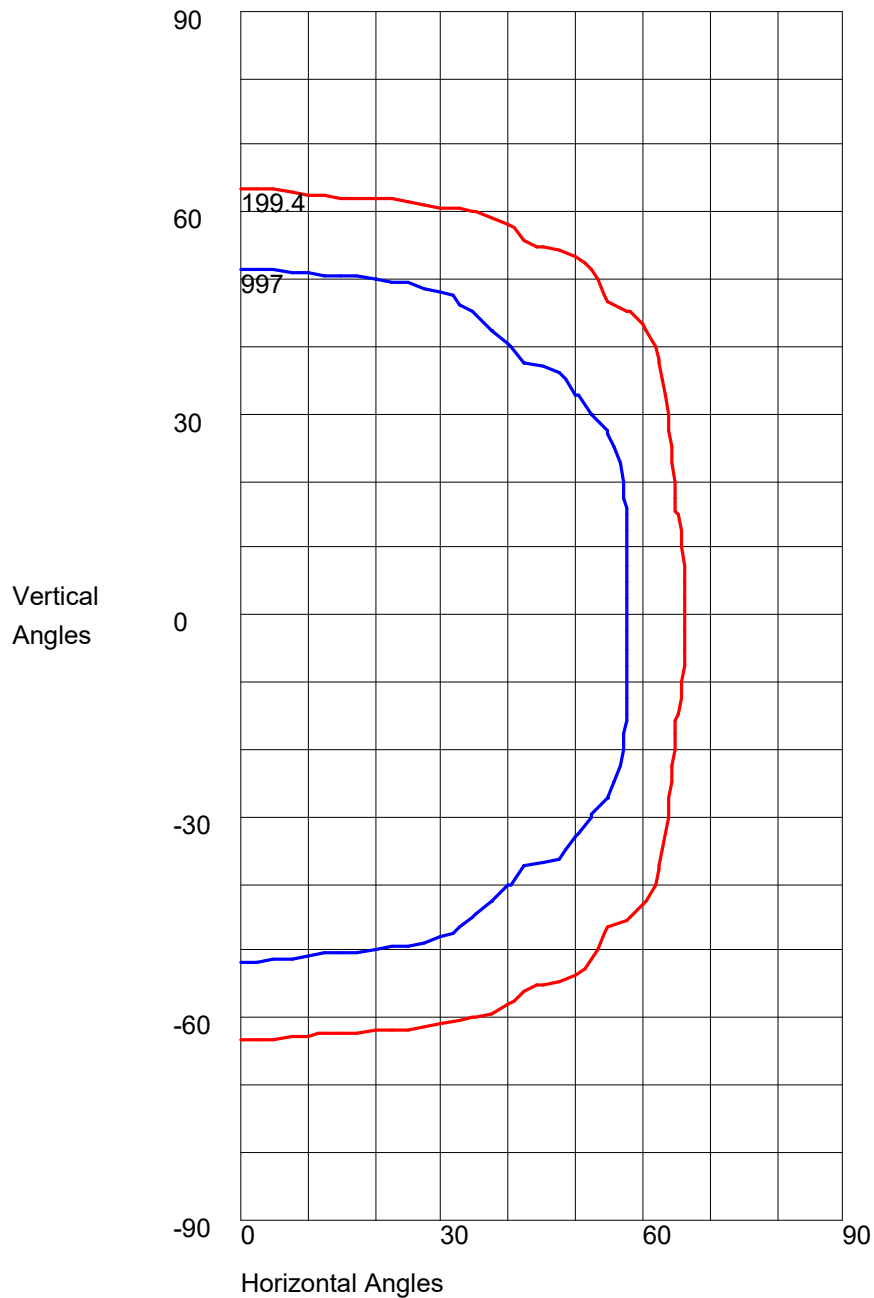
-75	0.01	0.00	6.72
-85	0.00	0.00	2.14
-90			
Total	1.52	0.02	2474.61

AXIAL CANDELA DISPLAY



Maximum Candela = 1994 Located At Horizontal Angle =-11, Vertical Angle =-22.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1994 Located At Horizontal Angle = -11, Vertical Angle = -22.5
50% Maximum Candela = 997
10% Maximum Candela = 199.4