



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-12454
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 03/05/21
[TESTDATE] 01/21/21
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] PFL-LED-16L-PC-VWF-40-80
[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	4444
Maximum Candela Angle	-42.5H -75V
Horizontal Beam Angle (50%)	121.4
Vertical Beam Angle (50%)	163.9
Horizontal Field Angle (10%)	148.3
Vertical Field Angle (10%)	176.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	13516
Beam Efficiency	N.A.
Field Lumens	16421
Field Efficiency	N.A.
Spill Lumens	55
Luminaire Lumens	16476
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	1
85	297	85	384
75	3097	75	3007
65	3767	65	3641
55	3171	55	3158
47.5	2786	47.5	2834
42.5	2571	42.5	2625
37.5	2380	37.5	2428
33	2224	33	2267
29	2099	29	2127
25.5	1998	25.5	2014
22.5	1924	22.5	1929
19.5	1861	19.5	1858
17	1815	17	1807
15	1782	15	1769
13	1756	13	1739
11	1733	11	1713
9	1715	9	1692
7	1699	7	1676
5	1689	5	1664
3	1683	3	1657
1	1669	1	1659
0	1661	0	1661
-1	1669	-1	1659
-3	1683	-3	1657
-5	1689	-5	1664
-7	1699	-7	1676
-9	1715	-9	1692
-11	1733	-11	1713
-13	1756	-13	1739
-15	1782	-15	1769
-17	1815	-17	1807
-19.5	1861	-19.5	1858
-22.5	1924	-22.5	1929
-25.5	1998	-25.5	2014
-29	2099	-29	2127
-33	2224	-33	2267
-37.5	2380	-37.5	2428
-42.5	2571	-42.5	2625
-47.5	2786	-47.5	2834
-55	3171	-55	3158
-65	3767	-65	3641
-75	3097	-75	3007
-85	297	-85	384
-90	0	-90	1

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CANDELA TABULATION

Maximum Candela = 4444

Beam Edge = 2222 Cd (50% of Max.)

Field Edge = 444.4 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	1	2	2	2	2	2	2
85.0	0	22	115	370	838 *	1082 *	1254 *	1392 *	1396 *	1257 *
75.0	0	64	359	1380 *	3338 *	4296 *	4444 *	4338 *	4277 *	4088 *
65.0	0	104	682 *	2698 *	4172 *	4220 *	4135 *	4056 *	3999 *	3937 *
55.0	0	150	1150 *	3620 *	3983 *	3717 *	3572 *	3450 *	3365 *	3298 *
47.5	0	188	1537 *	3907 *	3760 *	3434 *	3274 *	3137 *	3051 *	2986 *
42.5	0	210	1857 *	3975 *	3621 *	3301 *	3127 *	2994 *	2895 *	2823 *
37.5	0	230	2134 *	3970 *	3523 *	3191 *	3013 *	2871 *	2763 *	2682 *
33.0	0	246	2345 *	3941 *	3449 *	3117 *	2933 *	2775 *	2661 *	2570 *
29.0	0	259	2511 *	3903 *	3391 *	3057 *	2870 *	2702 *	2575 *	2471 *
25.5	0	268	2639 *	3874 *	3350 *	3006 *	2818 *	2637 *	2500 *	2393 *
22.5	0	275	2736 *	3853 *	3319 *	2964 *	2767 *	2583 *	2442 *	2330 *
19.5	0	282	2820 *	3831 *	3284 *	2924 *	2718 *	2534 *	2389 *	2275 *
17.0	0	286	2894 *	3816 *	3258 *	2893 *	2683 *	2497 *	2351 *	2236 *
15.0	0	289	2947 *	3806 *	3239 *	2870 *	2659 *	2471 *	2324 *	2207 *
13.0	0	291	2992 *	3798 *	3223 *	2850 *	2638 *	2449 *	2299 *	2181 *
11.0	0	300	3030 *	3791 *	3209 *	2832 *	2619 *	2430 *	2278 *	2158 *
9.0	0	300	3059 *	3783 *	3197 *	2816 *	2603 *	2413 *	2260 *	2139 *
7.0	0	299	3081 *	3776 *	3187 *	2804 *	2590 *	2400 *	2246 *	2123 *
5.0	0	298	3120 *	3772 *	3179 *	2795 *	2580 *	2390 *	2235 *	2111 *
3.0	0	298	3111 *	3766 *	3171 *	2785 *	2570 *	2383 *	2228 *	2102 *
1.0	0	297	3102 *	3767 *	3171 *	2786 *	2571 *	2380 *	2225 *	2099 *
0.0	0	297	3097 *	3767 *	3171 *	2786 *	2571 *	2380 *	2224 *	2099 *
-1.0	0	297	3102 *	3767 *	3171 *	2786 *	2571 *	2380 *	2225 *	2099 *
-3.0	0	298	3111 *	3766 *	3171 *	2785 *	2570 *	2383 *	2228 *	2102 *
-5.0	0	298	3120 *	3772 *	3179 *	2795 *	2580 *	2390 *	2235 *	2111 *
-7.0	0	299	3081 *	3776 *	3187 *	2804 *	2590 *	2400 *	2246 *	2123 *
-9.0	0	300	3059 *	3783 *	3197 *	2816 *	2603 *	2413 *	2260 *	2139 *
-11.0	0	300	3030 *	3791 *	3209 *	2832 *	2619 *	2430 *	2278 *	2158 *
-13.0	0	291	2992 *	3798 *	3223 *	2850 *	2638 *	2449 *	2299 *	2181 *
-15.0	0	289	2947 *	3806 *	3239 *	2870 *	2659 *	2471 *	2324 *	2207 *
-17.0	0	286	2894 *	3816 *	3258 *	2893 *	2683 *	2497 *	2351 *	2236 *
-19.5	0	282	2820 *	3831 *	3284 *	2924 *	2718 *	2534 *	2389 *	2275 *
-22.5	0	275	2736 *	3853 *	3319 *	2964 *	2767 *	2583 *	2442 *	2330 *
-25.5	0	268	2639 *	3874 *	3350 *	3006 *	2818 *	2637 *	2500 *	2393 *
-29.0	0	259	2511 *	3903 *	3391 *	3057 *	2870 *	2702 *	2575 *	2471 *
-33.0	0	246	2345 *	3941 *	3449 *	3117 *	2933 *	2775 *	2661 *	2570 *
-37.5	0	230	2134 *	3970 *	3523 *	3191 *	3013 *	2871 *	2763 *	2682 *
-42.5	0	210	1857 *	3975 *	3621 *	3301 *	3127 *	2994 *	2895 *	2823 *
-47.5	0	188	1537 *	3907 *	3760 *	3434 *	3274 *	3137 *	3051 *	2986 *
-55.0	0	150	1150 *	3620 *	3983 *	3717 *	3572 *	3450 *	3365 *	3298 *
-65.0	0	104	682 *	2698 *	4172 *	4220 *	4135 *	4056 *	3999 *	3937 *
-75.0	0	64	359	1380 *	3338 *	4296 *	4444 *	4338 *	4277 *	4088 *
-85.0	0	22	115	370	838 *	1082 *	1254 *	1392 *	1396 *	1257 *
-90.0	0	0	0	1	2	2	2	2	2	2

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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	2	2	2	1	1	1	1	1	1	1
85.0	1109 *	980 *	844 *	724 *	621 *	584 *	555 *	510 *	464 *	418
75.0	3966 *	3837 *	3687 *	3569 *	3478 *	3401 *	3324 *	3244 *	3159 *	3088 *
65.0	3886 *	3859 *	3805 *	3767 *	3742 *	3719 *	3697 *	3678 *	3661 *	3647 *
55.0	3262 *	3234 *	3208 *	3188 *	3175 *	3165 *	3158 *	3153 *	3151 *	3152 *
47.5	2938 *	2907 *	2880 *	2861 *	2848 *	2838 *	2829 *	2825 *	2824 *	2825 *
42.5	2766 *	2729 *	2697 *	2673 *	2658 *	2645 *	2634 *	2627 *	2621 *	2618 *
37.5	2619 *	2571 *	2533 *	2505 *	2485 *	2468 *	2453 *	2441 *	2432 *	2427 *
33.0	2500 *	2445 *	2398 *	2366 *	2343 *	2322 *	2303 *	2287 *	2276 *	2268 *
29.0	2395 *	2336 *	2284 *	2245 *	2217 *	2192 *	2171 *	2154 *	2141 *	2131 *
25.5	2310 *	2246 *	2187 *	2143 *	2113 *	2086 *	2062 *	2044 *	2030 *	2020 *
22.5	2244 *	2175 *	2113 *	2067 *	2034 *	2005 *	1978 *	1960 *	1946 *	1935 *
19.5	2185 *	2114 *	2049 *	2001 *	1967 *	1935 *	1909 *	1890 *	1874 *	1863 *
17.0	2142 *	2069 *	2003 *	1954 *	1918 *	1887 *	1861 *	1840 *	1824 *	1813 *
15.0	2112 *	2037 *	1971 *	1921 *	1886 *	1853 *	1828 *	1806 *	1790 *	1779 *
13.0	2085 *	2010 *	1944 *	1894 *	1857 *	1826 *	1800 *	1778 *	1761 *	1749 *
11.0	2061 *	1986 *	1920 *	1870 *	1835 *	1804 *	1777 *	1755 *	1737 *	1724 *
9.0	2042 *	1967 *	1901 *	1852 *	1816 *	1786 *	1760 *	1737 *	1718 *	1704 *
7.0	2026 *	1951 *	1885 *	1837 *	1803 *	1772 *	1747 *	1725 *	1704 *	1689 *
5.0	2012 *	1938 *	1871 *	1825 *	1793 *	1764 *	1739 *	1718 *	1700 *	1682 *
3.0	2003 *	1928 *	1863 *	1817 *	1785 *	1758 *	1735 *	1715 *	1698 *	1684 *
1.0	1999 *	1923 *	1860 *	1813 *	1781 *	1754 *	1731 *	1713 *	1698 *	1686 *
0.0	1998 *	1924 *	1861 *	1815 *	1782 *	1756 *	1733 *	1715 *	1699 *	1689 *
-1.0	1999 *	1923 *	1860 *	1813 *	1781 *	1754 *	1731 *	1713 *	1698 *	1686 *
-3.0	2003 *	1928 *	1863 *	1817 *	1785 *	1758 *	1735 *	1715 *	1698 *	1684 *
-5.0	2012 *	1938 *	1871 *	1825 *	1793 *	1764 *	1739 *	1718 *	1700 *	1682 *
-7.0	2026 *	1951 *	1885 *	1837 *	1803 *	1772 *	1747 *	1725 *	1704 *	1689 *
-9.0	2042 *	1967 *	1901 *	1852 *	1816 *	1786 *	1760 *	1737 *	1718 *	1704 *
-11.0	2061 *	1986 *	1920 *	1870 *	1835 *	1804 *	1777 *	1755 *	1737 *	1724 *
-13.0	2085 *	2010 *	1944 *	1894 *	1857 *	1826 *	1800 *	1778 *	1761 *	1749 *
-15.0	2112 *	2037 *	1971 *	1921 *	1886 *	1853 *	1828 *	1806 *	1790 *	1779 *
-17.0	2142 *	2069 *	2003 *	1954 *	1918 *	1887 *	1861 *	1840 *	1824 *	1813 *
-19.5	2185 *	2114 *	2049 *	2001 *	1967 *	1935 *	1909 *	1890 *	1874 *	1863 *
-22.5	2244 *	2175 *	2113 *	2067 *	2034 *	2005 *	1978 *	1960 *	1946 *	1935 *
-25.5	2310 *	2246 *	2187 *	2143 *	2113 *	2086 *	2062 *	2044 *	2030 *	2020 *
-29.0	2395 *	2336 *	2284 *	2245 *	2217 *	2192 *	2171 *	2154 *	2141 *	2131 *
-33.0	2500 *	2445 *	2398 *	2366 *	2343 *	2322 *	2303 *	2287 *	2276 *	2268 *
-37.5	2619 *	2571 *	2533 *	2505 *	2485 *	2468 *	2453 *	2441 *	2432 *	2427 *
-42.5	2766 *	2729 *	2697 *	2673 *	2658 *	2645 *	2634 *	2627 *	2621 *	2618 *
-47.5	2938 *	2907 *	2880 *	2861 *	2848 *	2838 *	2829 *	2825 *	2824 *	2825 *
-55.0	3262 *	3234 *	3208 *	3188 *	3175 *	3165 *	3158 *	3153 *	3151 *	3152 *
-65.0	3886 *	3859 *	3805 *	3767 *	3742 *	3719 *	3697 *	3678 *	3661 *	3647 *
-75.0	3966 *	3837 *	3687 *	3569 *	3478 *	3401 *	3324 *	3244 *	3159 *	3088 *
-85.0	1109 *	980 *	844 *	724 *	621 *	584 *	555 *	510 *	464 *	418
-90.0	2	2	2	1	1	1	1	1	1	1

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	1	1	1	1	1	1	1	1	1	1
85.0	404	391	384	391	404	418	464 *	510 *	555 *	584 *
75.0	3052 *	3022 *	3007 *	3022 *	3052 *	3088 *	3159 *	3244 *	3324 *	3401 *
65.0	3641 *	3641 *	3641 *	3641 *	3641 *	3647 *	3661 *	3678 *	3697 *	3719 *

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CANDELA TABULATION - (Cont.)

55.0	3151 *	3156 *	3158 *	3156 *	3151 *	3152 *	3151 *	3153 *	3158 *	3165 *
47.5	2825 *	2831 *	2834 *	2831 *	2825 *	2825 *	2824 *	2825 *	2829 *	2838 *
42.5	2614 *	2621 *	2625 *	2621 *	2614 *	2618 *	2621 *	2627 *	2634 *	2645 *
37.5	2424 *	2425 *	2428 *	2425 *	2424 *	2427 *	2432 *	2441 *	2453 *	2468 *
33.0	2264 *	2265 *	2267 *	2265 *	2264 *	2268 *	2276 *	2287 *	2303 *	2322 *
29.0	2126 *	2125 *	2127 *	2125 *	2126 *	2131 *	2141 *	2154 *	2171 *	2192 *
25.5	2013 *	2012 *	2014 *	2012 *	2013 *	2020 *	2030 *	2044 *	2062 *	2086 *
22.5	1929 *	1927 *	1929 *	1927 *	1929 *	1935 *	1946 *	1960 *	1978 *	2005 *
19.5	1857 *	1856 *	1858 *	1856 *	1857 *	1863 *	1874 *	1890 *	1909 *	1935 *
17.0	1806 *	1804 *	1807 *	1804 *	1806 *	1813 *	1824 *	1840 *	1861 *	1887 *
15.0	1771 *	1767 *	1769 *	1767 *	1771 *	1779 *	1790 *	1806 *	1828 *	1853 *
13.0	1742 *	1738 *	1739 *	1738 *	1742 *	1749 *	1761 *	1778 *	1800 *	1826 *
11.0	1716 *	1713 *	1713 *	1713 *	1716 *	1724 *	1737 *	1755 *	1777 *	1804 *
9.0	1695 *	1691 *	1692 *	1691 *	1695 *	1704 *	1718 *	1737 *	1760 *	1786 *
7.0	1679 *	1675 *	1676 *	1675 *	1679 *	1689 *	1704 *	1725 *	1747 *	1772 *
5.0	1669 *	1662 *	1664 *	1662 *	1669 *	1682 *	1700 *	1718 *	1739 *	1764 *
3.0	1667 *	1656 *	1657 *	1656 *	1667 *	1684 *	1698 *	1715 *	1735 *	1758 *
1.0	1679 *	1661 *	1659 *	1661 *	1679 *	1686 *	1698 *	1713 *	1731 *	1754 *
0.0	1683 *	1669 *	1661 *	1669 *	1683 *	1689 *	1699 *	1715 *	1733 *	1756 *
-1.0	1679 *	1661 *	1659 *	1661 *	1679 *	1686 *	1698 *	1713 *	1731 *	1754 *
-3.0	1667 *	1656 *	1657 *	1656 *	1667 *	1684 *	1698 *	1715 *	1735 *	1758 *
-5.0	1669 *	1662 *	1664 *	1662 *	1669 *	1682 *	1700 *	1718 *	1739 *	1764 *
-7.0	1679 *	1675 *	1676 *	1675 *	1679 *	1689 *	1704 *	1725 *	1747 *	1772 *
-9.0	1695 *	1691 *	1692 *	1691 *	1695 *	1704 *	1718 *	1737 *	1760 *	1786 *
-11.0	1716 *	1713 *	1713 *	1713 *	1716 *	1724 *	1737 *	1755 *	1777 *	1804 *
-13.0	1742 *	1738 *	1739 *	1738 *	1742 *	1749 *	1761 *	1778 *	1800 *	1826 *
-15.0	1771 *	1767 *	1769 *	1767 *	1771 *	1779 *	1790 *	1806 *	1828 *	1853 *
-17.0	1806 *	1804 *	1807 *	1804 *	1806 *	1813 *	1824 *	1840 *	1861 *	1887 *
-19.5	1857 *	1856 *	1858 *	1856 *	1857 *	1863 *	1874 *	1890 *	1909 *	1935 *
-22.5	1929 *	1927 *	1929 *	1927 *	1929 *	1935 *	1946 *	1960 *	1978 *	2005 *
-25.5	2013 *	2012 *	2014 *	2012 *	2013 *	2020 *	2030 *	2044 *	2062 *	2086 *
-29.0	2126 *	2125 *	2127 *	2125 *	2126 *	2131 *	2141 *	2154 *	2171 *	2192 *
-33.0	2264 *	2265 *	2267 *	2265 *	2264 *	2268 *	2276 *	2287 *	2303 *	2322 *
-37.5	2424 *	2425 *	2428 *	2425 *	2424 *	2427 *	2432 *	2441 *	2453 *	2468 *
-42.5	2614 *	2621 *	2625 *	2621 *	2614 *	2618 *	2621 *	2627 *	2634 *	2645 *
-47.5	2825 *	2831 *	2834 *	2831 *	2825 *	2825 *	2824 *	2825 *	2829 *	2838 *
-55.0	3151 *	3156 *	3158 *	3156 *	3151 *	3152 *	3151 *	3153 *	3158 *	3165 *
-65.0	3641 *	3641 *	3641 *	3641 *	3641 *	3647 *	3661 *	3678 *	3697 *	3719 *
-75.0	3052 *	3022 *	3007 *	3022 *	3052 *	3088 *	3159 *	3244 *	3324 *	3401 *
-85.0	404	391	384	391	404	418	464 *	510 *	555 *	584 *
-90.0	1	1	1	1	1	1	1	1	1	1

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	1	1	2	2	2	2	2	2	2	2
85.0	621 *	724 *	844 *	980 *	1109 *	1257 *	1396 *	1392 *	1254 *	1082 *
75.0	3478 *	3569 *	3687 *	3837 *	3966 *	4088 *	4277 *	4338 *	4444 *	4296 *
65.0	3742 *	3767 *	3805 *	3859 *	3886 *	3937 *	3999 *	4056 *	4135 *	4220 *
55.0	3175 *	3188 *	3208 *	3234 *	3262 *	3298 *	3365 *	3450 *	3572 *	3717 *
47.5	2848 *	2861 *	2880 *	2907 *	2938 *	2986 *	3051 *	3137 *	3274 *	3434 *
42.5	2658 *	2673 *	2697 *	2729 *	2766 *	2823 *	2895 *	2994 *	3127 *	3301 *
37.5	2485 *	2505 *	2533 *	2571 *	2619 *	2682 *	2763 *	2871 *	3013 *	3191 *
33.0	2343 *	2366 *	2398 *	2445 *	2500 *	2570 *	2661 *	2775 *	2933 *	3117 *
29.0	2217 *	2245 *	2284 *	2336 *	2395 *	2471 *	2575 *	2702 *	2870 *	3057 *
25.5	2113 *	2143 *	2187 *	2246 *	2310 *	2393 *	2500 *	2637 *	2818 *	3006 *

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CANDELA TABULATION - (Cont.)

22.5	2034 *	2067 *	2113 *	2175 *	2244 *	2330 *	2442 *	2583 *	2767 *	2964 *
19.5	1967 *	2001 *	2049 *	2114 *	2185 *	2275 *	2389 *	2534 *	2718 *	2924 *
17.0	1918 *	1954 *	2003 *	2069 *	2142 *	2236 *	2351 *	2497 *	2683 *	2893 *
15.0	1886 *	1921 *	1971 *	2037 *	2112 *	2207 *	2324 *	2471 *	2659 *	2870 *
13.0	1857 *	1894 *	1944 *	2010 *	2085 *	2181 *	2299 *	2449 *	2638 *	2850 *
11.0	1835 *	1870 *	1920 *	1986 *	2061 *	2158 *	2278 *	2430 *	2619 *	2832 *
9.0	1816 *	1852 *	1901 *	1967 *	2042 *	2139 *	2260 *	2413 *	2603 *	2816 *
7.0	1803 *	1837 *	1885 *	1951 *	2026 *	2123 *	2246 *	2400 *	2590 *	2804 *
5.0	1793 *	1825 *	1871 *	1938 *	2012 *	2111 *	2235 *	2390 *	2580 *	2795 *
3.0	1785 *	1817 *	1863 *	1928 *	2003 *	2102 *	2228 *	2383 *	2570 *	2785 *
1.0	1781 *	1813 *	1860 *	1923 *	1999 *	2099 *	2225 *	2380 *	2571 *	2786 *
0.0	1782 *	1815 *	1861 *	1924 *	1998 *	2099 *	2224 *	2380 *	2571 *	2786 *
-1.0	1781 *	1813 *	1860 *	1923 *	1999 *	2099 *	2225 *	2380 *	2571 *	2786 *
-3.0	1785 *	1817 *	1863 *	1928 *	2003 *	2102 *	2228 *	2383 *	2570 *	2785 *
-5.0	1793 *	1825 *	1871 *	1938 *	2012 *	2111 *	2235 *	2390 *	2580 *	2795 *
-7.0	1803 *	1837 *	1885 *	1951 *	2026 *	2123 *	2246 *	2400 *	2590 *	2804 *
-9.0	1816 *	1852 *	1901 *	1967 *	2042 *	2139 *	2260 *	2413 *	2603 *	2816 *
-11.0	1835 *	1870 *	1920 *	1986 *	2061 *	2158 *	2278 *	2430 *	2619 *	2832 *
-13.0	1857 *	1894 *	1944 *	2010 *	2085 *	2181 *	2299 *	2449 *	2638 *	2850 *
-15.0	1886 *	1921 *	1971 *	2037 *	2112 *	2207 *	2324 *	2471 *	2659 *	2870 *
-17.0	1918 *	1954 *	2003 *	2069 *	2142 *	2236 *	2351 *	2497 *	2683 *	2893 *
-19.5	1967 *	2001 *	2049 *	2114 *	2185 *	2275 *	2389 *	2534 *	2718 *	2924 *
-22.5	2034 *	2067 *	2113 *	2175 *	2244 *	2330 *	2442 *	2583 *	2767 *	2964 *
-25.5	2113 *	2143 *	2187 *	2246 *	2310 *	2393 *	2500 *	2637 *	2818 *	3006 *
-29.0	2217 *	2245 *	2284 *	2336 *	2395 *	2471 *	2575 *	2702 *	2870 *	3057 *
-33.0	2343 *	2366 *	2398 *	2445 *	2500 *	2570 *	2661 *	2775 *	2933 *	3117 *
-37.5	2485 *	2505 *	2533 *	2571 *	2619 *	2682 *	2763 *	2871 *	3013 *	3191 *
-42.5	2658 *	2673 *	2697 *	2729 *	2766 *	2823 *	2895 *	2994 *	3127 *	3301 *
-47.5	2848 *	2861 *	2880 *	2907 *	2938 *	2986 *	3051 *	3137 *	3274 *	3434 *
-55.0	3175 *	3188 *	3208 *	3234 *	3262 *	3298 *	3365 *	3450 *	3572 *	3717 *
-65.0	3742 *	3767 *	3805 *	3859 *	3886 *	3937 *	3999 *	4056 *	4135 *	4220 *
-75.0	3478 *	3569 *	3687 *	3837 *	3966 *	4088 *	4277 *	4338 *	4444 *	4296 *
-85.0	621 *	724 *	844 *	980 *	1109 *	1257 *	1396 *	1392 *	1254 *	1082 *
-90.0	1	1	2	2	2	2	2	2	2	2

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	2	1	0	0	0
85.0	838 *	370	115	22	0
75.0	3338 *	1380 *	359	64	0
65.0	4172 *	2698 *	682 *	104	0
55.0	3983 *	3620 *	1150 *	150	0
47.5	3760 *	3907 *	1537 *	188	0
42.5	3621 *	3975 *	1857 *	210	0
37.5	3523 *	3970 *	2134 *	230	0
33.0	3449 *	3941 *	2345 *	246	0
29.0	3391 *	3903 *	2511 *	259	0
25.5	3350 *	3874 *	2639 *	268	0
22.5	3319 *	3853 *	2736 *	275	0
19.5	3284 *	3831 *	2820 *	282	0
17.0	3258 *	3816 *	2894 *	286	0
15.0	3239 *	3806 *	2947 *	289	0
13.0	3223 *	3798 *	2992 *	291	0
11.0	3209 *	3791 *	3030 *	300	0
9.0	3197 *	3783 *	3059 *	300	0

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CANDELA TABULATION - (Cont.)

7.0	3187 *	3776 *	3081 *	299	0
5.0	3179 *	3772 *	3120 *	298	0
3.0	3171 *	3766 *	3111 *	298	0
1.0	3171 *	3767 *	3102 *	297	0
0.0	3171 *	3767 *	3097 *	297	0
-1.0	3171 *	3767 *	3102 *	297	0
-3.0	3171 *	3766 *	3111 *	298	0
-5.0	3179 *	3772 *	3120 *	298	0
-7.0	3187 *	3776 *	3081 *	299	0
-9.0	3197 *	3783 *	3059 *	300	0
-11.0	3209 *	3791 *	3030 *	300	0
-13.0	3223 *	3798 *	2992 *	291	0
-15.0	3239 *	3806 *	2947 *	289	0
-17.0	3258 *	3816 *	2894 *	286	0
-19.5	3284 *	3831 *	2820 *	282	0
-22.5	3319 *	3853 *	2736 *	275	0
-25.5	3350 *	3874 *	2639 *	268	0
-29.0	3391 *	3903 *	2511 *	259	0
-33.0	3449 *	3941 *	2345 *	246	0
-37.5	3523 *	3970 *	2134 *	230	0
-42.5	3621 *	3975 *	1857 *	210	0
-47.5	3760 *	3907 *	1537 *	188	0
-55.0	3983 *	3620 *	1150 *	150	0
-65.0	4172 *	2698 *	682 *	104	0
-75.0	3338 *	1380 *	359	64	0
-85.0	838 *	370	115	22	0
-90.0	2	1	0	0	0

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 8238.03

Total Field Lumens (one side of beam only) = 8210.46

* 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	0.30	0.61	0.63	0.67	0.74	0.80	0.85	0.89	0.99	1.42
85	5.18 *	10.46 *	10.58 *	10.80 *	11.13 *	11.45 *	11.72 *	11.95 *	12.29 *	15.95 *
75	10.14 *	20.33 *	20.40 *	20.53 *	20.73 *	20.91 *	21.07 *	21.19 *	21.31 *	26.81 *
65	10.35 *	20.68 *	20.65 *	20.62 *	20.58 *	20.53 *	20.47 *	20.39 *	20.31 *	25.25 *
55	6.84 *	13.66 *	13.62 *	13.58 *	13.52 *	13.46 *	13.40 *	13.33 *	13.26 *	16.46 *
47.5	4.15 *	8.29 *	8.27 *	8.25 *	8.22 *	8.19 *	8.15 *	8.12 *	8.08 *	10.04 *
42.5	3.85 *	7.67 *	7.66 *	7.65 *	7.63 *	7.62 *	7.60 *	7.58 *	7.56 *	9.41 *
37.5	3.22 *	6.42 *	6.42 *	6.41 *	6.40 *	6.40 *	6.40 *	6.40 *	6.39 *	7.97 *
33	2.68 *	5.35 *	5.34 *	5.34 *	5.34 *	5.35 *	5.36 *	5.36 *	5.37 *	6.72 *
29	2.21 *	4.41 *	4.41 *	4.41 *	4.42 *	4.43 *	4.44 *	4.45 *	4.47 *	5.61 *
25.5	1.80 *	3.60 *	3.60 *	3.60 *	3.61 *	3.62 *	3.63 *	3.65 *	3.67 *	4.62 *
22.5	1.73 *	3.46 *	3.46 *	3.46 *	3.47 *	3.48 *	3.50 *	3.52 *	3.54 *	4.46 *
19.5	1.39 *	2.79 *	2.79 *	2.79 *	2.80 *	2.81 *	2.83 *	2.85 *	2.87 *	3.62 *
17	1.09 *	2.18 *	2.18 *	2.18 *	2.19 *	2.20 *	2.21 *	2.23 *	2.25 *	2.84 *
15	1.07 *	2.14 *	2.14 *	2.14 *	2.15 *	2.16 *	2.18 *	2.19 *	2.21 *	2.80 *
13	1.05 *	2.10 *	2.11 *	2.11 *	2.12 *	2.13 *	2.15 *	2.16 *	2.18 *	2.76 *
11	1.04 *	2.07 *	2.08 *	2.09 *	2.10 *	2.11 *	2.12 *	2.14 *	2.16 *	2.73 *
9	1.03 *	2.05 *	2.06 *	2.06 *	2.08 *	2.09 *	2.10 *	2.12 *	2.14 *	2.70 *
7	1.02 *	2.04 *	2.04 *	2.05 *	2.07 *	2.08 *	2.09 *	2.11 *	2.13 *	2.68 *
5	1.01 *	2.03 *	2.04 *	2.05 *	2.06 *	2.07 *	2.08 *	2.10 *	2.11 *	2.67 *
3	1.01 *	2.03 *	2.04 *	2.05 *	2.06 *	2.07 *	2.08 *	2.09 *	2.11 *	2.66 *
1	0.51 *	1.02 *	1.02 *	1.03 *	1.03 *	1.03 *	1.04 *	1.05 *	1.05 *	1.33 *
0	0.51 *	1.02 *	1.02 *	1.03 *	1.03 *	1.03 *	1.04 *	1.05 *	1.05 *	1.33 *
-1	1.01 *	2.03 *	2.04 *	2.05 *	2.06 *	2.07 *	2.08 *	2.09 *	2.11 *	2.66 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-3	1.01 *	2.03 *	2.04 *	2.05 *	2.06 *	2.07 *	2.08 *	2.10 *	2.11 *	2.67 *
-5	1.02 *	2.04 *	2.04 *	2.05 *	2.07 *	2.08 *	2.09 *	2.11 *	2.13 *	2.68 *
-7	1.03 *	2.05 *	2.06 *	2.06 *	2.08 *	2.09 *	2.10 *	2.12 *	2.14 *	2.70 *
-9	1.04 *	2.07 *	2.08 *	2.09 *	2.10 *	2.11 *	2.12 *	2.14 *	2.16 *	2.73 *
-11	1.05 *	2.10 *	2.11 *	2.11 *	2.12 *	2.13 *	2.15 *	2.16 *	2.18 *	2.76 *
-13	1.07 *	2.14 *	2.14 *	2.14 *	2.15 *	2.16 *	2.18 *	2.19 *	2.21 *	2.80 *
-15	1.09 *	2.18 *	2.18 *	2.18 *	2.19 *	2.20 *	2.21 *	2.23 *	2.25 *	2.84 *
-17	1.39 *	2.79 *	2.79 *	2.79 *	2.80 *	2.81 *	2.83 *	2.85 *	2.87 *	3.62 *
-19.5	1.73 *	3.46 *	3.46 *	3.46 *	3.47 *	3.48 *	3.50 *	3.52 *	3.54 *	4.46 *
-22.5	1.80 *	3.60 *	3.60 *	3.60 *	3.61 *	3.62 *	3.63 *	3.65 *	3.67 *	4.62 *
-25.5	2.21 *	4.41 *	4.41 *	4.41 *	4.42 *	4.43 *	4.44 *	4.45 *	4.47 *	5.61 *
-29	2.68 *	5.35 *	5.34 *	5.34 *	5.34 *	5.35 *	5.36 *	5.36 *	5.37 *	6.72 *
-33	3.22 *	6.42 *	6.42 *	6.41 *	6.40 *	6.40 *	6.40 *	6.40 *	6.39 *	7.97 *
-37.5	3.85 *	7.67 *	7.66 *	7.65 *	7.63 *	7.62 *	7.60 *	7.58 *	7.56 *	9.41 *
-42.5	4.15 *	8.29 *	8.27 *	8.25 *	8.22 *	8.19 *	8.15 *	8.12 *	8.08 *	10.04 *
-47.5	6.84 *	13.66 *	13.62 *	13.58 *	13.52 *	13.46 *	13.40 *	13.33 *	13.26 *	16.46 *
-55	10.35 *	20.68 *	20.65 *	20.62 *	20.58 *	20.53 *	20.47 *	20.39 *	20.31 *	25.25 *
-65	10.14 *	20.33 *	20.40 *	20.53 *	20.73 *	20.91 *	21.07 *	21.19 *	21.31 *	26.81 *
-75	5.18 *	10.46 *	10.58 *	10.80 *	11.13 *	11.45 *	11.72 *	11.95 *	12.29 *	15.95 *
-85	0.30	0.61	0.63	0.67	0.74	0.80	0.85	0.89	0.99	1.42
-90										
Total	125.29	250.72	251.02	251.74	252.86	253.97	254.92	255.75	256.87	323.01

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	1.95 *	2.18 *	2.81 *	3.47 *	3.91 *	3.86 *	3.15 *	3.44 *	2.30	0.63
85	19.94 *	20.64 *	24.69 *	28.76 *	31.90 *	33.32 *	29.81 *	34.13 *	22.54 *	5.79 *
75	32.39 *	32.45 *	37.62 *	42.55 *	46.64 *	49.49 *	46.01 *	57.25 *	44.07 *	13.32 *
65	30.08 *	29.72 *	34.08 *	38.11 *	41.60 *	44.36 *	42.11 *	57.49 *	55.04 *	21.20 *
55	19.56 *	19.32 *	22.18 *	24.87 *	27.29 *	29.38 *	28.26 *	39.91 *	43.55 *	19.93 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

47.5										
	11.96 *	11.83 *	13.64 *	15.34 *	16.89 *	18.27 *	17.68 *	25.21 *	29.02 *	14.67 *
42.5										
	11.23 *	11.15 *	12.90 *	14.57 *	16.12 *	17.50 *	17.00 *	24.36 *	28.69 *	15.52 *
37.5										
	9.55 *	9.52 *	11.06 *	12.54 *	13.94 *	15.21 *	14.84 *	21.35 *	25.47 *	14.50 *
33										
	8.07 *	8.08 *	9.42 *	10.73 *	11.99 *	13.16 *	12.89 *	18.60 *	22.34 *	13.21 *
29										
	6.76 *	6.78 *	7.93 *	9.08 *	10.20 *	11.25 *	11.07 *	16.01 *	19.32 *	11.77 *
25.5										
	5.58 *	5.62 *	6.59 *	7.57 *	8.53 *	9.45 *	9.33 *	13.55 *	16.42 *	10.22 *
22.5										
	5.41 *	5.46 *	6.42 *	7.39 *	8.35 *	9.27 *	9.18 *	13.39 *	16.30 *	10.33 *
19.5										
	4.39 *	4.44 *	5.23 *	6.04 *	6.83 *	7.60 *	7.55 *	11.04 *	13.49 *	8.69 *
17										
	3.45 *	3.49 *	4.12 *	4.76 *	5.40 *	6.01 *	5.98 *	8.76 *	10.74 *	7.00 *
15										
	3.40 *	3.44 *	4.07 *	4.70 *	5.34 *	5.96 *	5.93 *	8.70 *	10.70 *	7.05 *
13										
	3.35 *	3.40 *	4.02 *	4.66 *	5.29 *	5.91 *	5.89 *	8.66 *	10.66 *	7.08 *
11										
	3.32 *	3.36 *	3.98 *	4.61 *	5.25 *	5.87 *	5.85 *	8.61 *	10.63 *	7.11 *
9										
	3.29 *	3.33 *	3.95 *	4.58 *	5.21 *	5.84 *	5.82 *	8.58 *	10.60 *	7.13 *
7										
	3.26 *	3.31 *	3.92 *	4.55 *	5.19 *	5.81 *	5.80 *	8.55 *	10.58 *	7.15 *
5										
	3.24 *	3.29 *	3.90 *	4.53 *	5.17 *	5.79 *	5.78 *	8.52 *	10.56 *	7.16 *
3										
	3.23 *	3.28 *	3.89 *	4.52 *	5.16 *	5.78 *	5.77 *	8.51 *	10.55 *	7.15 *
1										
	1.61 *	1.64 *	1.94 *	2.26 *	2.58 *	2.89 *	2.88 *	4.26 *	5.28 *	3.57 *
0										
	1.61 *	1.64 *	1.94 *	2.26 *	2.58 *	2.89 *	2.88 *	4.26 *	5.28 *	3.57 *
-1										
	3.23 *	3.28 *	3.89 *	4.52 *	5.16 *	5.78 *	5.77 *	8.51 *	10.55 *	7.15 *
-3										
	3.24 *	3.29 *	3.90 *	4.53 *	5.17 *	5.79 *	5.78 *	8.52 *	10.56 *	7.16 *
-5										
	3.26 *	3.31 *	3.92 *	4.55 *	5.19 *	5.81 *	5.80 *	8.55 *	10.58 *	7.15 *
-7										
	3.29 *	3.33 *	3.95 *	4.58 *	5.21 *	5.84 *	5.82 *	8.58 *	10.60 *	7.13 *
-9										
	3.32 *	3.36 *	3.98 *	4.61 *	5.25 *	5.87 *	5.85 *	8.61 *	10.63 *	7.11 *
-11										
	3.35 *	3.40 *	4.02 *	4.66 *	5.29 *	5.91 *	5.89 *	8.66 *	10.66 *	7.08 *
-13										
	3.40 *	3.44 *	4.07 *	4.70 *	5.34 *	5.96 *	5.93 *	8.70 *	10.70 *	7.05 *
-15										
	3.45 *	3.49 *	4.12 *	4.76 *	5.40 *	6.01 *	5.98 *	8.76 *	10.74 *	7.00 *
-17										
	4.39 *	4.44 *	5.23 *	6.04 *	6.83 *	7.60 *	7.55 *	11.04 *	13.49 *	8.69 *
-19.5										
	5.41 *	5.46 *	6.42 *	7.39 *	8.35 *	9.27 *	9.18 *	13.39 *	16.30 *	10.33 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-22.5	5.58 *	5.62 *	6.59 *	7.57 *	8.53 *	9.45 *	9.33 *	13.55 *	16.42 *	10.22 *
-25.5	6.76 *	6.78 *	7.93 *	9.08 *	10.20 *	11.25 *	11.07 *	16.01 *	19.32 *	11.77 *
-29	8.07 *	8.08 *	9.42 *	10.73 *	11.99 *	13.16 *	12.89 *	18.60 *	22.34 *	13.21 *
-33	9.55 *	9.52 *	11.06 *	12.54 *	13.94 *	15.21 *	14.84 *	21.35 *	25.47 *	14.50 *
-37.5	11.23 *	11.15 *	12.90 *	14.57 *	16.12 *	17.50 *	17.00 *	24.36 *	28.69 *	15.52 *
-42.5	11.96 *	11.83 *	13.64 *	15.34 *	16.89 *	18.27 *	17.68 *	25.21 *	29.02 *	14.67 *
-47.5	19.56 *	19.32 *	22.18 *	24.87 *	27.29 *	29.38 *	28.26 *	39.91 *	43.55 *	19.93 *
-55	30.08 *	29.72 *	34.08 *	38.11 *	41.60 *	44.36 *	42.11 *	57.49 *	55.04 *	21.20 *
-65	32.39 *	32.45 *	37.62 *	42.55 *	46.64 *	49.49 *	46.01 *	57.25 *	44.07 *	13.32 *
-75	19.94 *	20.64 *	24.69 *	28.76 *	31.90 *	33.32 *	29.81 *	34.13 *	22.54 *	5.79 *
-85	1.95 *	2.18 *	2.81 *	3.47 *	3.91 *	3.86 *	3.15 *	3.44 *	2.30	0.63
-90										
Total	390.00	391.44	456.70	520.39	577.55	623.98	597.16	817.72	857.74	440.39

Vert. Angles	Horizontal Angles		
	<u>75</u>	<u>85</u>	<u>90</u>
90			
	0.09	0.00	35.67
85			
	0.74	0.01	363.76
75			
	1.60	0.03	606.83
65			
	2.76 *	0.04	596.42
55			
	3.00 *	0.04	408.38
47.5			
	2.50 *	0.03	256.81
42.5			
	2.93 *	0.04	246.22
37.5			
	2.94 *	0.04	213.38
33			
	2.83 *	0.03	183.56
29			
	2.62 *	0.03	156.08
25.5			
	2.34 *	0.03	130.64
22.5			
	2.42 *	0.03	128.03
19.5			
	2.07 *	0.02	104.94
17			
	1.69 *	0.02	82.97

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

LUMENS TABULATION - (Cont.)

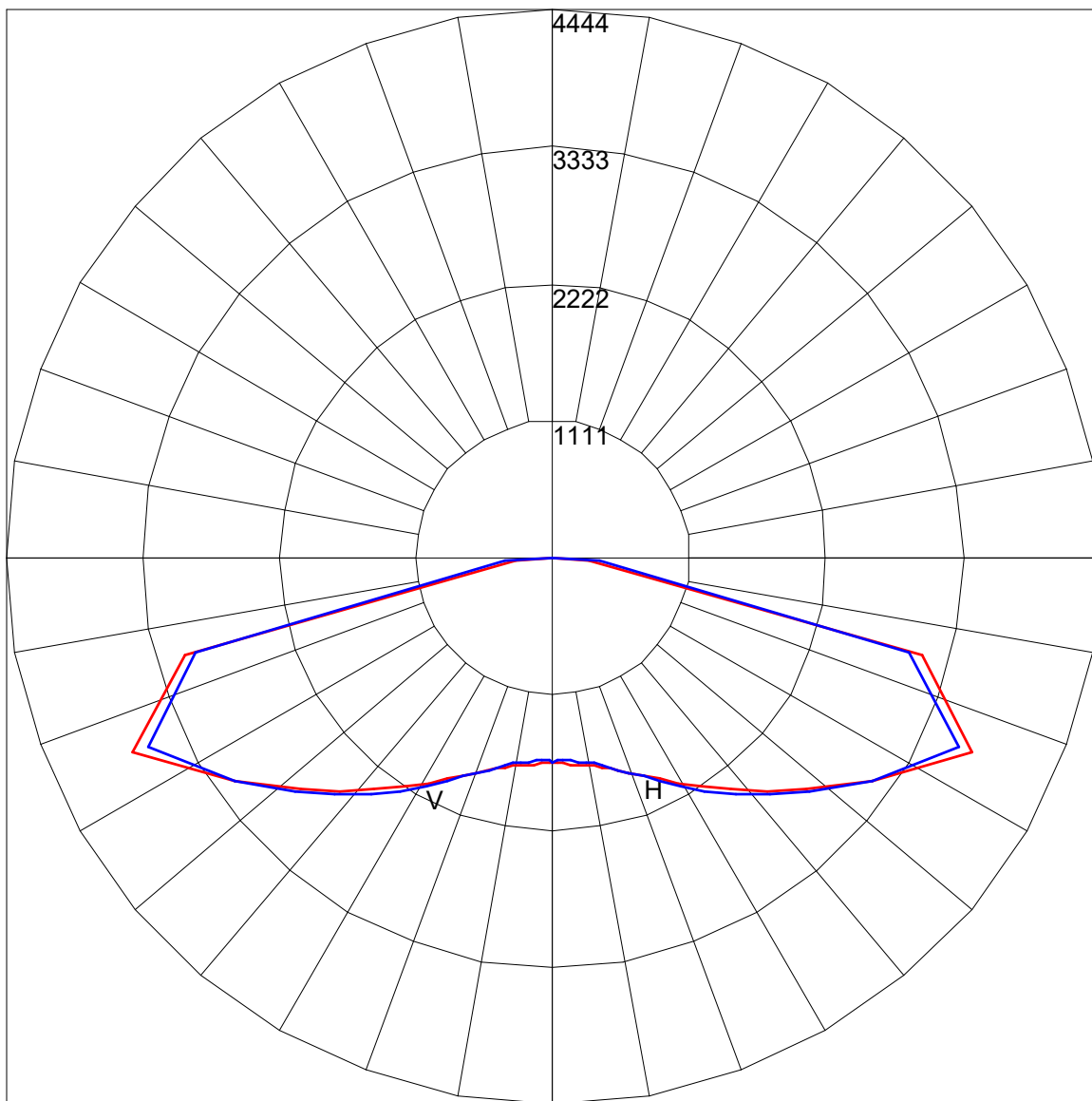
15			
	1.72 *	0.02	82.21
13			
	1.75 *	0.02	81.56
11			
	1.77 *	0.02	81.01
9			
	1.78 *	0.02	80.56
7			
	1.80 *	0.02	80.23
5			
	1.80 *	0.02	79.98
3			
	1.80 *	0.02	79.84
1			
	0.90 *	0.01	39.91
0			
	0.90 *	0.01	39.91
-1			
	1.80 *	0.02	79.84
-3			
	1.80 *	0.02	79.98
-5			
	1.80 *	0.02	80.23
-7			
	1.78 *	0.02	80.56
-9			
	1.77 *	0.02	81.01
-11			
	1.75 *	0.02	81.56
-13			
	1.72 *	0.02	82.21
-15			
	1.69 *	0.02	82.97
-17			
	2.07 *	0.02	104.94
-19.5			
	2.42 *	0.03	128.03
-22.5			
	2.34 *	0.03	130.64
-25.5			
	2.62 *	0.03	156.08
-29			
	2.83 *	0.03	183.56
-33			
	2.94 *	0.04	213.38
-37.5			
	2.93 *	0.04	246.22
-42.5			
	2.50 *	0.03	256.81
-47.5			
	3.00 *	0.04	408.38
-55			
	2.76 *	0.04	596.42
-65			
	1.60	0.03	606.83

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

LUMENS TABULATION - (Cont.)

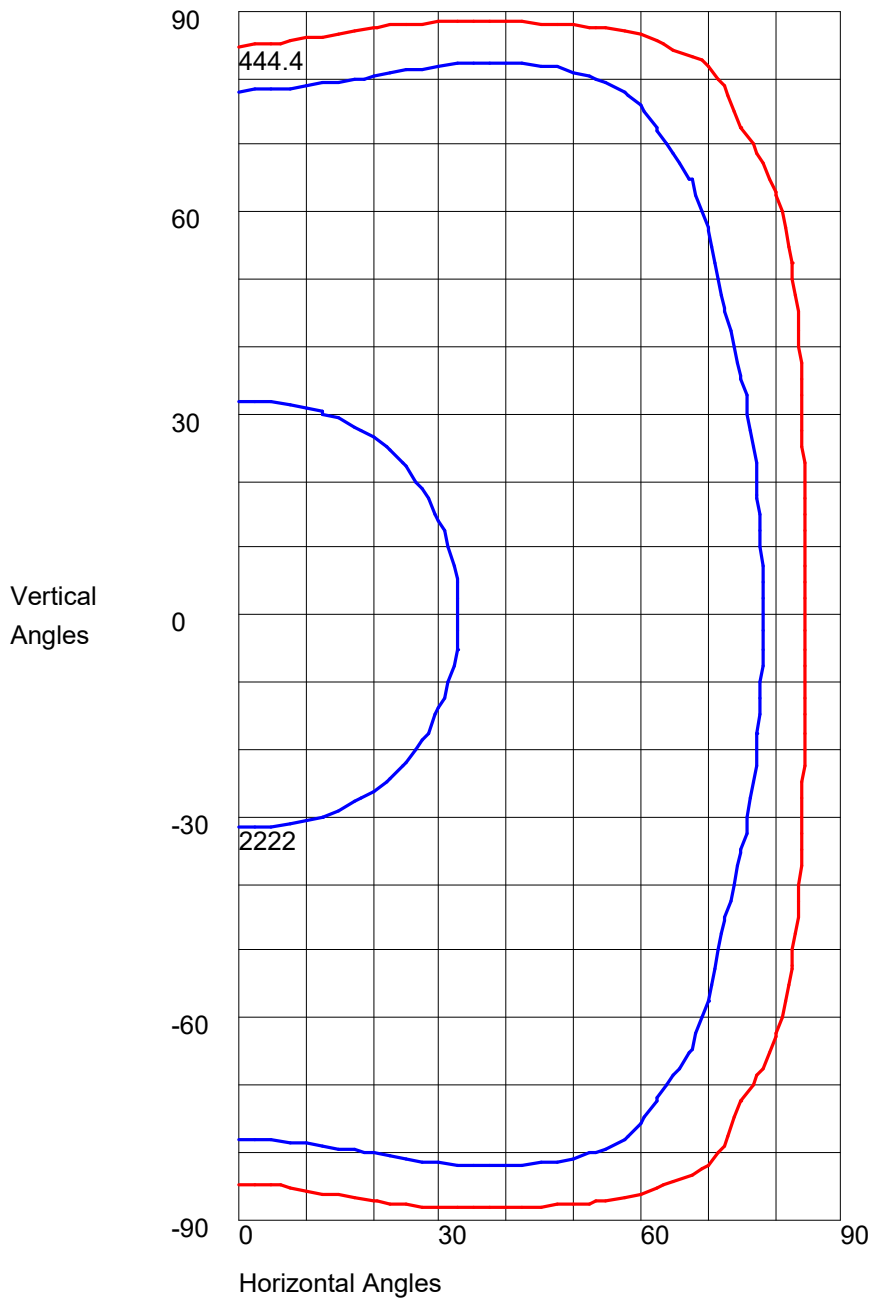
-75	0.74	0.01	363.76
-85	0.09	0.00	35.67
-90			
Total	87.71	1.09	8238.02

AXIAL CANDELA DISPLAY



Maximum Candela = 4444 Located At Horizontal Angle =-42.5, Vertical Angle =-75
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4444 Located At Horizontal Angle =-42.5, Vertical Angle =-75
50% Maximum Candela = 2222
10% Maximum Candela = 444.4