



IES FLOOD REPORT
PHOTOMETRIC FILENAME : ITL41894.IES

DESCRIPTIVE INFORMATION (From Photometric File)

REPORT NUMBER: ITL41894 DATE: 03-16-94
PREPARED FOR: LEXALITE INTERNATIONAL CORPORATION
CATALOG NUMBER: 235 TYPE V
LUMINAIRE: SPUN DIFFUSE ALUMINUM REFLECTOR, CLEAR ACRYLIC TRUNCATED CONE
REFRACTOR, OPEN BOTTOM.
LAMP: ONE 150-WATT CLEAR B-17 HIGH PRESSURE SODIUM, RATED 16000 LUMENS,
VERTICAL BASE-UP POSITION.
THE ARC TUBE VOLTAGE RISE= 0.3

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

CHARACTERISTICS

IES NEMA Type	7 H x 7 V
Maximum Candela	3312
Maximum Candela Angle	-65H -25.5V
Horizontal Beam Angle (50%)	36.9
Vertical Beam Angle (50%)	144.7
Horizontal Field Angle (10%)	180.0
Vertical Field Angle (10%)	180.0
Total Rated Lamp Lumens	16000
Beam Lumens	10391.69
Beam Efficiency	64.95%
Field Lumens	12688.11
Field Efficiency	79.30%
Spill Lumens	0.00
Total Lumens	12688.11
Total Efficiency	79.30%
Total Luminaire Watts	150
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	480	90	480
85	1100	85	1100
75	2805	75	2805
65	3287	65	3287
55	2079	55	2079
47.5	1528	47.5	1528
42.5	1647	42.5	1647
37.5	1893	37.5	1893
33	1912	33	1912
29	1811	29	1811
25.5	1684	25.5	1684
22.5	1537	22.5	1537
19.5	1337	19.5	1337
17	1170	17	1170
15	1038	15	1038
13	920	13	920
11	811	11	811
9	711	9	711
7	629	7	629
5	583	5	583
3	583	3	583
1	567	1	567
0	556	0	556
-1	567	-1	567
-3	583	-3	583
-5	583	-5	583
-7	629	-7	629
-9	711	-9	711
-11	811	-11	811
-13	920	-13	920
-15	1038	-15	1038
-17	1170	-17	1170
-19.5	1337	-19.5	1337
-22.5	1537	-22.5	1537
-25.5	1684	-25.5	1684
-29	1811	-29	1811
-33	1912	-33	1912
-37.5	1893	-37.5	1893
-42.5	1647	-42.5	1647
-47.5	1528	-47.5	1528
-55	2079	-55	2079
-65	3287	-65	3287
-75	2805	-75	2805
-85	1100	-85	1100
-90	480	-90	480

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CANDELA TABULATION

Maximum Candela = 3312
 Beam Edge = 1656 Cd (50% of Max.)
 Field Edge = 331.2 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	479 *	479 *	479 *	479 *	479 *	480 *	480 *	480 *	480 *	480 *
85.0	479 *	514 *	584 *	650 *	743 *	828 *	880 *	927 *	965 *	995 *
75.0	479 *	584 *	906 *	1439 *	1953 *	2231 *	2344 *	2448 *	2532 *	2593 *
65.0	479 *	650 *	1439 *	2257 *	2697 *	2954 *	3084 *	3180 *	3239 *	3278 *
55.0	479 *	743 *	1953 *	2697 *	3154 *	3309 *	3286 *	3146 *	2940 *	2747 *
47.5	480 *	828 *	2231 *	2954 *	3309 *	3139 *	2783 *	2366 *	2135 *	1960 *
42.5	480 *	880 *	2344 *	3084 *	3286 *	2783 *	2317 *	2001 *	1784 *	1642 *
37.5	480 *	927 *	2448 *	3180 *	3146 *	2366 *	2001 *	1723 *	1566 *	1530 *
33.0	480 *	965 *	2532 *	3239 *	2940 *	2135 *	1784 *	1566 *	1531 *	1632 *
29.0	480 *	995 *	2593 *	3278 *	2747 *	1960 *	1642 *	1530 *	1632 *	1778 *
25.5	480 *	1018 *	2640 *	3312 *	2577 *	1831 *	1566 *	1565 *	1736 *	1876 *
22.5	480 *	1036 *	2676 *	3307 *	2446 *	1752 *	1529 *	1630 *	1814 *	1926 *
19.5	480 *	1052 *	2708 *	3302 *	2340 *	1682 *	1530 *	1694 *	1881 *	1941 *
17.0	480 *	1063 *	2731 *	3299 *	2278 *	1637 *	1531 *	1744 *	1912 *	1917 *
15.0	480 *	1071 *	2747 *	3296 *	2235 *	1613 *	1550 *	1779 *	1931 *	1898 *
13.0	480 *	1079 *	2761 *	3294 *	2196 *	1592 *	1574 *	1807 *	1947 *	1880 *
11.0	480 *	1100 *	2774 *	3292 *	2163 *	1574 *	1594 *	1831 *	1944 *	1863 *
9.0	480 *	1100 *	2784 *	3290 *	2136 *	1559 *	1612 *	1851 *	1933 *	1849 *
7.0	480 *	1100 *	2792 *	3289 *	2113 *	1547 *	1625 *	1868 *	1925 *	1835 *
5.0	480 *	1100 *	2805 *	3288 *	2097 *	1538 *	1636 *	1880 *	1919 *	1824 *
3.0	480 *	1100 *	2805 *	3287 *	2079 *	1528 *	1647 *	1888 *	1914 *	1816 *
1.0	480 *	1100 *	2805 *	3287 *	2079 *	1528 *	1647 *	1893 *	1912 *	1812 *
0.0	480 *	1100 *	2805 *	3287 *	2079 *	1528 *	1647 *	1893 *	1912 *	1811 *
-1.0	480 *	1100 *	2805 *	3287 *	2079 *	1528 *	1647 *	1893 *	1912 *	1812 *
-3.0	480 *	1100 *	2805 *	3287 *	2079 *	1528 *	1647 *	1888 *	1914 *	1816 *
-5.0	480 *	1100 *	2805 *	3288 *	2097 *	1538 *	1636 *	1880 *	1919 *	1824 *
-7.0	480 *	1100 *	2792 *	3289 *	2113 *	1547 *	1625 *	1868 *	1925 *	1835 *
-9.0	480 *	1100 *	2784 *	3290 *	2136 *	1559 *	1612 *	1851 *	1933 *	1849 *
-11.0	480 *	1100 *	2774 *	3292 *	2163 *	1574 *	1594 *	1831 *	1944 *	1863 *
-13.0	480 *	1079 *	2761 *	3294 *	2196 *	1592 *	1574 *	1807 *	1947 *	1880 *
-15.0	480 *	1071 *	2747 *	3296 *	2235 *	1613 *	1550 *	1779 *	1931 *	1898 *
-17.0	480 *	1063 *	2731 *	3299 *	2278 *	1637 *	1531 *	1744 *	1912 *	1917 *
-19.5	480 *	1052 *	2708 *	3302 *	2340 *	1682 *	1530 *	1694 *	1881 *	1941 *
-22.5	480 *	1036 *	2676 *	3307 *	2446 *	1752 *	1529 *	1630 *	1814 *	1926 *
-25.5	480 *	1018 *	2640 *	3312 *	2577 *	1831 *	1566 *	1565 *	1736 *	1876 *
-29.0	480 *	995 *	2593 *	3278 *	2747 *	1960 *	1642 *	1530 *	1632 *	1778 *
-33.0	480 *	965 *	2532 *	3239 *	2940 *	2135 *	1784 *	1566 *	1531 *	1632 *
-37.5	480 *	927 *	2448 *	3180 *	3146 *	2366 *	2001 *	1723 *	1566 *	1530 *
-42.5	480 *	880 *	2344 *	3084 *	3286 *	2783 *	2317 *	2001 *	1784 *	1642 *
-47.5	480 *	828 *	2231 *	2954 *	3309 *	3139 *	2783 *	2366 *	2135 *	1960 *
-55.0	479 *	743 *	1953 *	2697 *	3154 *	3309 *	3286 *	3146 *	2940 *	2747 *
-65.0	479 *	650 *	1439 *	2257 *	2697 *	2954 *	3084 *	3180 *	3239 *	3278 *
-75.0	479 *	584 *	906 *	1439 *	1953 *	2231 *	2344 *	2448 *	2532 *	2593 *
-85.0	479 *	514 *	584 *	650 *	743 *	828 *	880 *	927 *	965 *	995 *
-90.0	479 *	479 *	479 *	479 *	479 *	480 *	480 *	480 *	480 *	480 *

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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	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *
85.0	1018 *	1036 *	1052 *	1063 *	1071 *	1079 *	1100 *	1100 *	1100 *	1100 *
75.0	2640 *	2676 *	2708 *	2731 *	2747 *	2761 *	2774 *	2784 *	2792 *	2805 *
65.0	3312 *	3307 *	3302 *	3299 *	3296 *	3294 *	3292 *	3290 *	3289 *	3288 *
55.0	2577 *	2446 *	2340 *	2278 *	2235 *	2196 *	2163 *	2136 *	2113 *	2097 *
47.5	1831 *	1752 *	1682 *	1637 *	1613 *	1592 *	1574 *	1559 *	1547 *	1538 *
42.5	1566 *	1529 *	1530 *	1531 *	1550 *	1574 *	1594 *	1612 *	1625 *	1636 *
37.5	1565 *	1630 *	1694 *	1744 *	1779 *	1807 *	1831 *	1851 *	1868 *	1880 *
33.0	1736 *	1814 *	1881 *	1912 *	1931 *	1947 *	1944 *	1933 *	1925 *	1919 *
29.0	1876 *	1926 *	1941 *	1917 *	1898 *	1880 *	1863 *	1849 *	1835 *	1824 *
25.5	1941 *	1922 *	1883 *	1851 *	1822 *	1793 *	1768 *	1742 *	1719 *	1702 *
22.5	1922 *	1876 *	1825 *	1778 *	1737 *	1697 *	1660 *	1621 *	1588 *	1563 *
19.5	1883 *	1825 *	1756 *	1690 *	1635 *	1577 *	1523 *	1464 *	1416 *	1378 *
17.0	1851 *	1778 *	1690 *	1606 *	1537 *	1456 *	1382 *	1315 *	1260 *	1216 *
15.0	1822 *	1737 *	1635 *	1537 *	1443 *	1354 *	1272 *	1199 *	1138 *	1090 *
13.0	1793 *	1697 *	1577 *	1456 *	1354 *	1257 *	1168 *	1089 *	1022 *	974 *
11.0	1768 *	1660 *	1523 *	1382 *	1272 *	1168 *	1072 *	990 *	921 *	868 *
9.0	1742 *	1621 *	1464 *	1315 *	1199 *	1089 *	990 *	903 *	831 *	772 *
7.0	1719 *	1588 *	1416 *	1260 *	1138 *	1022 *	921 *	831 *	752 *	692 *
5.0	1702 *	1563 *	1378 *	1216 *	1090 *	974 *	868 *	772 *	692 *	631 *
3.0	1691 *	1547 *	1352 *	1187 *	1057 *	940 *	832 *	733 *	646 *	602 *
1.0	1685 *	1537 *	1339 *	1172 *	1038 *	923 *	813 *	713 *	631 *	583 *
0.0	1684 *	1537 *	1337 *	1170 *	1038 *	920 *	811 *	711 *	629 *	583 *
-1.0	1685 *	1537 *	1339 *	1172 *	1038 *	923 *	813 *	713 *	631 *	583 *
-3.0	1691 *	1547 *	1352 *	1187 *	1057 *	940 *	832 *	733 *	646 *	602 *
-5.0	1702 *	1563 *	1378 *	1216 *	1090 *	974 *	868 *	772 *	692 *	631 *
-7.0	1719 *	1588 *	1416 *	1260 *	1138 *	1022 *	921 *	831 *	752 *	692 *
-9.0	1742 *	1621 *	1464 *	1315 *	1199 *	1089 *	990 *	903 *	831 *	772 *
-11.0	1768 *	1660 *	1523 *	1382 *	1272 *	1168 *	1072 *	990 *	921 *	868 *
-13.0	1793 *	1697 *	1577 *	1456 *	1354 *	1257 *	1168 *	1089 *	1022 *	974 *
-15.0	1822 *	1737 *	1635 *	1537 *	1443 *	1354 *	1272 *	1199 *	1138 *	1090 *
-17.0	1851 *	1778 *	1690 *	1606 *	1537 *	1456 *	1382 *	1315 *	1260 *	1216 *
-19.5	1883 *	1825 *	1756 *	1690 *	1635 *	1577 *	1523 *	1464 *	1416 *	1378 *
-22.5	1922 *	1876 *	1825 *	1778 *	1737 *	1697 *	1660 *	1621 *	1588 *	1563 *
-25.5	1941 *	1922 *	1883 *	1851 *	1822 *	1793 *	1768 *	1742 *	1719 *	1702 *
-29.0	1876 *	1926 *	1941 *	1917 *	1898 *	1880 *	1863 *	1849 *	1835 *	1824 *
-33.0	1736 *	1814 *	1881 *	1912 *	1931 *	1947 *	1944 *	1933 *	1925 *	1919 *
-37.5	1565 *	1630 *	1694 *	1744 *	1779 *	1807 *	1831 *	1851 *	1868 *	1880 *
-42.5	1566 *	1529 *	1530 *	1531 *	1550 *	1574 *	1594 *	1612 *	1625 *	1636 *
-47.5	1831 *	1752 *	1682 *	1637 *	1613 *	1592 *	1574 *	1559 *	1547 *	1538 *
-55.0	2577 *	2446 *	2340 *	2278 *	2235 *	2196 *	2163 *	2136 *	2113 *	2097 *
-65.0	3312 *	3307 *	3302 *	3299 *	3296 *	3294 *	3292 *	3290 *	3289 *	3288 *
-75.0	2640 *	2676 *	2708 *	2731 *	2747 *	2761 *	2774 *	2784 *	2792 *	2805 *
-85.0	1018 *	1036 *	1052 *	1063 *	1071 *	1079 *	1100 *	1100 *	1100 *	1100 *
-90.0	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *

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	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *
85.0	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1079 *
75.0	2805 *	2805 *	2805 *	2805 *	2805 *	2805 *	2792 *	2784 *	2774 *	2761 *
65.0	3287 *	3287 *	3287 *	3287 *	3287 *	3288 *	3289 *	3290 *	3292 *	3294 *

CANDELA TABULATION - (Cont.)

55.0	2079 *	2079 *	2079 *	2079 *	2079 *	2097 *	2113 *	2136 *	2163 *	2196 *
47.5	1528 *	1528 *	1528 *	1528 *	1528 *	1538 *	1547 *	1559 *	1574 *	1592 *
42.5	1647 *	1647 *	1647 *	1647 *	1647 *	1636 *	1625 *	1612 *	1594 *	1574 *
37.5	1888 *	1893 *	1893 *	1893 *	1888 *	1880 *	1868 *	1851 *	1831 *	1807 *
33.0	1914 *	1912 *	1912 *	1912 *	1914 *	1919 *	1925 *	1933 *	1944 *	1947 *
29.0	1816 *	1812 *	1811 *	1812 *	1816 *	1824 *	1835 *	1849 *	1863 *	1880 *
25.5	1691 *	1685 *	1684 *	1685 *	1691 *	1702 *	1719 *	1742 *	1768 *	1793 *
22.5	1547 *	1537 *	1537 *	1537 *	1547 *	1563 *	1588 *	1621 *	1660 *	1697 *
19.5	1352 *	1339 *	1337 *	1339 *	1352 *	1378 *	1416 *	1464 *	1523 *	1577 *
17.0	1187 *	1172 *	1170 *	1172 *	1187 *	1216 *	1260 *	1315 *	1382 *	1456 *
15.0	1057 *	1038 *	1038 *	1038 *	1057 *	1090 *	1138 *	1199 *	1272 *	1354 *
13.0	940 *	923 *	920 *	923 *	940 *	974 *	1022 *	1089 *	1168 *	1257 *
11.0	832 *	813 *	811 *	813 *	832 *	868 *	921 *	990 *	1072 *	1168 *
9.0	733 *	713 *	711 *	713 *	733 *	772 *	831 *	903 *	990 *	1089 *
7.0	646 *	631 *	629 *	631 *	646 *	692 *	752 *	831 *	921 *	1022 *
5.0	602 *	583 *	583 *	583 *	602 *	631 *	692 *	772 *	868 *	974 *
3.0	583 *	583 *	583 *	583 *	583 *	602 *	646 *	733 *	832 *	940 *
1.0	583 *	571 *	567 *	571 *	583 *	583 *	631 *	713 *	813 *	923 *
0.0	583 *	567 *	556 *	567 *	583 *	583 *	629 *	711 *	811 *	920 *
-1.0	583 *	571 *	567 *	571 *	583 *	583 *	631 *	713 *	813 *	923 *
-3.0	583 *	583 *	583 *	583 *	583 *	602 *	646 *	733 *	832 *	940 *
-5.0	602 *	583 *	583 *	583 *	602 *	631 *	692 *	772 *	868 *	974 *
-7.0	646 *	631 *	629 *	631 *	646 *	692 *	752 *	831 *	921 *	1022 *
-9.0	733 *	713 *	711 *	713 *	733 *	772 *	831 *	903 *	990 *	1089 *
-11.0	832 *	813 *	811 *	813 *	832 *	868 *	921 *	990 *	1072 *	1168 *
-13.0	940 *	923 *	920 *	923 *	940 *	974 *	1022 *	1089 *	1168 *	1257 *
-15.0	1057 *	1038 *	1038 *	1038 *	1057 *	1090 *	1138 *	1199 *	1272 *	1354 *
-17.0	1187 *	1172 *	1170 *	1172 *	1187 *	1216 *	1260 *	1315 *	1382 *	1456 *
-19.5	1352 *	1339 *	1337 *	1339 *	1352 *	1378 *	1416 *	1464 *	1523 *	1577 *
-22.5	1547 *	1537 *	1537 *	1537 *	1547 *	1563 *	1588 *	1621 *	1660 *	1697 *
-25.5	1691 *	1685 *	1684 *	1685 *	1691 *	1702 *	1719 *	1742 *	1768 *	1793 *
-29.0	1816 *	1812 *	1811 *	1812 *	1816 *	1824 *	1835 *	1849 *	1863 *	1880 *
-33.0	1914 *	1912 *	1912 *	1912 *	1914 *	1919 *	1925 *	1933 *	1944 *	1947 *
-37.5	1888 *	1893 *	1893 *	1893 *	1888 *	1880 *	1868 *	1851 *	1831 *	1807 *
-42.5	1647 *	1647 *	1647 *	1647 *	1647 *	1636 *	1625 *	1612 *	1594 *	1574 *
-47.5	1528 *	1528 *	1528 *	1528 *	1528 *	1538 *	1547 *	1559 *	1574 *	1592 *
-55.0	2079 *	2079 *	2079 *	2079 *	2079 *	2097 *	2113 *	2136 *	2163 *	2196 *
-65.0	3287 *	3287 *	3287 *	3287 *	3287 *	3288 *	3289 *	3290 *	3292 *	3294 *
-75.0	2805 *	2805 *	2805 *	2805 *	2805 *	2805 *	2792 *	2784 *	2774 *	2761 *
-85.0	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1100 *	1079 *
-90.0	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *

Vert. Horizontal 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	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *
85.0	1071 *	1063 *	1052 *	1036 *	1018 *	995 *	965 *	927 *	880 *	828 *
75.0	2747 *	2731 *	2708 *	2676 *	2640 *	2593 *	2532 *	2448 *	2344 *	2231 *
65.0	3296 *	3299 *	3302 *	3307 *	3312 *	3278 *	3239 *	3180 *	3084 *	2954 *
55.0	2235 *	2278 *	2340 *	2446 *	2577 *	2747 *	2940 *	3146 *	3286 *	3309 *
47.5	1613 *	1637 *	1682 *	1752 *	1831 *	1960 *	2135 *	2366 *	2783 *	3139 *
42.5	1550 *	1531 *	1530 *	1529 *	1566 *	1642 *	1784 *	2001 *	2317 *	2783 *
37.5	1779 *	1744 *	1694 *	1630 *	1565 *	1530 *	1566 *	1723 *	2001 *	2366 *
33.0	1931 *	1912 *	1881 *	1814 *	1736 *	1632 *	1531 *	1566 *	1784 *	2135 *
29.0	1898 *	1917 *	1941 *	1926 *	1876 *	1778 *	1632 *	1530 *	1642 *	1960 *
25.5	1822 *	1851 *	1883 *	1922 *	1941 *	1876 *	1736 *	1565 *	1566 *	1831 *

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PHOTOMETRIC FILENAME : ITL41894.IES

CANDELA TABULATION - (Cont.)

22.5	1737 *	1778 *	1825 *	1876 *	1922 *	1926 *	1814 *	1630 *	1529 *	1752 *
19.5	1635 *	1690 *	1756 *	1825 *	1883 *	1941 *	1881 *	1694 *	1530 *	1682 *
17.0	1537 *	1606 *	1690 *	1778 *	1851 *	1917 *	1912 *	1744 *	1531 *	1637 *
15.0	1443 *	1537 *	1635 *	1737 *	1822 *	1898 *	1931 *	1779 *	1550 *	1613 *
13.0	1354 *	1456 *	1577 *	1697 *	1793 *	1880 *	1947 *	1807 *	1574 *	1592 *
11.0	1272 *	1382 *	1523 *	1660 *	1768 *	1863 *	1944 *	1831 *	1594 *	1574 *
9.0	1199 *	1315 *	1464 *	1621 *	1742 *	1849 *	1933 *	1851 *	1612 *	1559 *
7.0	1138 *	1260 *	1416 *	1588 *	1719 *	1835 *	1925 *	1868 *	1625 *	1547 *
5.0	1090 *	1216 *	1378 *	1563 *	1702 *	1824 *	1919 *	1880 *	1636 *	1538 *
3.0	1057 *	1187 *	1352 *	1547 *	1691 *	1816 *	1914 *	1888 *	1647 *	1528 *
1.0	1038 *	1172 *	1339 *	1537 *	1685 *	1812 *	1912 *	1893 *	1647 *	1528 *
0.0	1038 *	1170 *	1337 *	1537 *	1684 *	1811 *	1912 *	1893 *	1647 *	1528 *
-1.0	1038 *	1172 *	1339 *	1537 *	1685 *	1812 *	1912 *	1893 *	1647 *	1528 *
-3.0	1057 *	1187 *	1352 *	1547 *	1691 *	1816 *	1914 *	1888 *	1647 *	1528 *
-5.0	1090 *	1216 *	1378 *	1563 *	1702 *	1824 *	1919 *	1880 *	1636 *	1538 *
-7.0	1138 *	1260 *	1416 *	1588 *	1719 *	1835 *	1925 *	1868 *	1625 *	1547 *
-9.0	1199 *	1315 *	1464 *	1621 *	1742 *	1849 *	1933 *	1851 *	1612 *	1559 *
-11.0	1272 *	1382 *	1523 *	1660 *	1768 *	1863 *	1944 *	1831 *	1594 *	1574 *
-13.0	1354 *	1456 *	1577 *	1697 *	1793 *	1880 *	1947 *	1807 *	1574 *	1592 *
-15.0	1443 *	1537 *	1635 *	1737 *	1822 *	1898 *	1931 *	1779 *	1550 *	1613 *
-17.0	1537 *	1606 *	1690 *	1778 *	1851 *	1917 *	1912 *	1744 *	1531 *	1637 *
-19.5	1635 *	1690 *	1756 *	1825 *	1883 *	1941 *	1881 *	1694 *	1530 *	1682 *
-22.5	1737 *	1778 *	1825 *	1876 *	1922 *	1926 *	1814 *	1630 *	1529 *	1752 *
-25.5	1822 *	1851 *	1883 *	1922 *	1941 *	1876 *	1736 *	1565 *	1566 *	1831 *
-29.0	1898 *	1917 *	1941 *	1926 *	1876 *	1778 *	1632 *	1530 *	1642 *	1960 *
-33.0	1931 *	1912 *	1881 *	1814 *	1736 *	1632 *	1531 *	1566 *	1784 *	2135 *
-37.5	1779 *	1744 *	1694 *	1630 *	1565 *	1530 *	1566 *	1723 *	2001 *	2366 *
-42.5	1550 *	1531 *	1530 *	1529 *	1566 *	1642 *	1784 *	2001 *	2317 *	2783 *
-47.5	1613 *	1637 *	1682 *	1752 *	1831 *	1960 *	2135 *	2366 *	2783 *	3139 *
-55.0	2235 *	2278 *	2340 *	2446 *	2577 *	2747 *	2940 *	3146 *	3286 *	3309 *
-65.0	3296 *	3299 *	3302 *	3307 *	3312 *	3278 *	3239 *	3180 *	3084 *	2954 *
-75.0	2747 *	2731 *	2708 *	2676 *	2640 *	2593 *	2532 *	2448 *	2344 *	2231 *
-85.0	1071 *	1063 *	1052 *	1036 *	1018 *	995 *	965 *	927 *	880 *	828 *
-90.0	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *	480 *

Vert. Horizontal Angles

	55.0	65.0	75.0	85.0	90.0
90.0	479 *	479 *	479 *	479 *	479 *
85.0	743 *	650 *	584 *	514 *	479 *
75.0	1953 *	1439 *	906 *	584 *	479 *
65.0	2697 *	2257 *	1439 *	650 *	479 *
55.0	3154 *	2697 *	1953 *	743 *	479 *
47.5	3309 *	2954 *	2231 *	828 *	480 *
42.5	3286 *	3084 *	2344 *	880 *	480 *
37.5	3146 *	3180 *	2448 *	927 *	480 *
33.0	2940 *	3239 *	2532 *	965 *	480 *
29.0	2747 *	3278 *	2593 *	995 *	480 *
25.5	2577 *	3312 *	2640 *	1018 *	480 *
22.5	2446 *	3307 *	2676 *	1036 *	480 *
19.5	2340 *	3302 *	2708 *	1052 *	480 *
17.0	2278 *	3299 *	2731 *	1063 *	480 *
15.0	2235 *	3296 *	2747 *	1071 *	480 *
13.0	2196 *	3294 *	2761 *	1079 *	480 *
11.0	2163 *	3292 *	2774 *	1100 *	480 *
9.0	2136 *	3290 *	2784 *	1100 *	480 *

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CANDELA TABULATION - (Cont.)

7.0	2113 *	3289 *	2792 *	1100 *	480 *
5.0	2097 *	3288 *	2805 *	1100 *	480 *
3.0	2079 *	3287 *	2805 *	1100 *	480 *
1.0	2079 *	3287 *	2805 *	1100 *	480 *
0.0	2079 *	3287 *	2805 *	1100 *	480 *
-1.0	2079 *	3287 *	2805 *	1100 *	480 *
-3.0	2079 *	3287 *	2805 *	1100 *	480 *
-5.0	2097 *	3288 *	2805 *	1100 *	480 *
-7.0	2113 *	3289 *	2792 *	1100 *	480 *
-9.0	2136 *	3290 *	2784 *	1100 *	480 *
-11.0	2163 *	3292 *	2774 *	1100 *	480 *
-13.0	2196 *	3294 *	2761 *	1079 *	480 *
-15.0	2235 *	3296 *	2747 *	1071 *	480 *
-17.0	2278 *	3299 *	2731 *	1063 *	480 *
-19.5	2340 *	3302 *	2708 *	1052 *	480 *
-22.5	2446 *	3307 *	2676 *	1036 *	480 *
-25.5	2577 *	3312 *	2640 *	1018 *	480 *
-29.0	2747 *	3278 *	2593 *	995 *	480 *
-33.0	2940 *	3239 *	2532 *	965 *	480 *
-37.5	3146 *	3180 *	2448 *	927 *	480 *
-42.5	3286 *	3084 *	2344 *	880 *	480 *
-47.5	3309 *	2954 *	2231 *	828 *	480 *
-55.0	3154 *	2697 *	1953 *	743 *	479 *
-65.0	2697 *	2257 *	1439 *	650 *	479 *
-75.0	1953 *	1439 *	906 *	584 *	479 *
-85.0	743 *	650 *	584 *	514 *	479 *
-90.0	479 *	479 *	479 *	479 *	479 *

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LUMEN TABULATION

Average Of Right And Left Sides
 Total Lumens (one side of beam only) = 6344.06
 Total Field Lumens (one side of beam only) = 6344.06
 * 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	1.20 *	2.40 *	2.40 *	2.39 *	2.38 *	2.37 *	2.34 *	2.30 *	2.26 *	2.78 *
75	5.95 *	11.89 *	11.87 *	11.81 *	11.73 *	11.64 *	11.49 *	11.32 *	11.14 *	13.66 *
65	9.28 *	18.55 *	18.51 *	18.44 *	18.33 *	18.21 *	18.06 *	17.88 *	17.68 *	21.77 *
55	8.17 *	16.33 *	16.33 *	16.34 *	16.33 *	16.32 *	16.31 *	16.29 *	16.26 *	20.28 *
47.5	4.12 *	8.24 *	8.25 *	8.29 *	8.32 *	8.36 *	8.41 *	8.46 *	8.52 *	10.76 *
42.5	2.42 *	4.83 *	4.82 *	4.81 *	4.78 *	4.75 *	4.72 *	4.68 *	4.63 *	5.77 *
37.5	2.70 *	5.38 *	5.36 *	5.31 *	5.25 *	5.17 *	5.07 *	4.96 *	4.83 *	5.87 *
33	2.61 *	5.21 *	5.20 *	5.17 *	5.14 *	5.10 *	5.05 *	4.96 *	4.85 *	5.88 *
29	2.27 *	4.54 *	4.54 *	4.55 *	4.55 *	4.55 *	4.55 *	4.53 *	4.48 *	5.53 *
25.5	1.86 *	3.73 *	3.74 *	3.75 *	3.77 *	3.79 *	3.81 *	3.82 *	3.84 *	4.80 *
22.5	1.47 *	2.95 *	2.96 *	2.99 *	3.02 *	3.06 *	3.09 *	3.13 *	3.16 *	3.98 *
19.5	1.31 *	2.64 *	2.66 *	2.70 *	2.76 *	2.82 *	2.89 *	2.95 *	3.00 *	3.82 *
17	0.96 *	1.92 *	1.95 *	2.00 *	2.06 *	2.13 *	2.21 *	2.29 *	2.37 *	3.05 *
15	0.67 *	1.36 *	1.38 *	1.42 *	1.48 *	1.55 *	1.63 *	1.71 *	1.79 *	2.34 *
13	0.60 *	1.20 *	1.23 *	1.28 *	1.34 *	1.42 *	1.50 *	1.60 *	1.70 *	2.24 *
11	0.53 *	1.07 *	1.10 *	1.15 *	1.21 *	1.30 *	1.39 *	1.49 *	1.60 *	2.15 *
9	0.46 *	0.94 *	0.97 *	1.03 *	1.10 *	1.19 *	1.29 *	1.40 *	1.51 *	2.06 *
7	0.41 *	0.83 *	0.86 *	0.92 *	1.00 *	1.09 *	1.20 *	1.31 *	1.44 *	1.97 *
5	0.37 *	0.75 *	0.78 *	0.84 *	0.92 *	1.02 *	1.13 *	1.25 *	1.38 *	1.91 *
3	0.36 *	0.72 *	0.73 *	0.78 *	0.86 *	0.96 *	1.08 *	1.20 *	1.33 *	1.86 *
1	0.35 *	0.71 *	0.71 *	0.75 *	0.82 *	0.93 *	1.05 *	1.17 *	1.30 *	1.83 *
0	0.17 *	0.35 *	0.35 *	0.37 *	0.40 *	0.46 *	0.52 *	0.58 *	0.65 *	0.91 *
-1	0.17 *	0.35 *	0.35 *	0.37 *	0.40 *	0.46 *	0.52 *	0.58 *	0.65 *	0.91 *
-3	0.35 *	0.71 *	0.71 *	0.75 *	0.82 *	0.93 *	1.05 *	1.17 *	1.30 *	1.83 *
	0.36 *	0.72 *	0.73 *	0.78 *	0.86 *	0.96 *	1.08 *	1.20 *	1.33 *	1.86 *

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LUMENS TABULATION - (Cont.)

-5	0.37 *	0.75 *	0.78 *	0.84 *	0.92 *	1.02 *	1.13 *	1.25 *	1.38 *	1.91 *
-7	0.41 *	0.83 *	0.86 *	0.92 *	1.00 *	1.09 *	1.20 *	1.31 *	1.44 *	1.97 *
-9	0.46 *	0.94 *	0.97 *	1.03 *	1.10 *	1.19 *	1.29 *	1.40 *	1.51 *	2.06 *
-11	0.53 *	1.07 *	1.10 *	1.15 *	1.21 *	1.30 *	1.39 *	1.49 *	1.60 *	2.15 *
-13	0.60 *	1.20 *	1.23 *	1.28 *	1.34 *	1.42 *	1.50 *	1.60 *	1.70 *	2.24 *
-15	0.67 *	1.36 *	1.38 *	1.42 *	1.48 *	1.55 *	1.63 *	1.71 *	1.79 *	2.34 *
-17	0.96 *	1.92 *	1.95 *	2.00 *	2.06 *	2.13 *	2.21 *	2.29 *	2.37 *	3.05 *
-19.5	1.31 *	2.64 *	2.66 *	2.70 *	2.76 *	2.82 *	2.89 *	2.95 *	3.00 *	3.82 *
-22.5	1.47 *	2.95 *	2.96 *	2.99 *	3.02 *	3.06 *	3.09 *	3.13 *	3.16 *	3.98 *
-25.5	1.86 *	3.73 *	3.74 *	3.75 *	3.77 *	3.79 *	3.81 *	3.82 *	3.84 *	4.80 *
-29	2.27 *	4.54 *	4.54 *	4.55 *	4.55 *	4.55 *	4.55 *	4.53 *	4.48 *	5.53 *
-33	2.61 *	5.21 *	5.20 *	5.17 *	5.14 *	5.10 *	5.05 *	4.96 *	4.85 *	5.88 *
-37.5	2.70 *	5.38 *	5.36 *	5.31 *	5.25 *	5.17 *	5.07 *	4.96 *	4.83 *	5.87 *
-42.5	2.42 *	4.83 *	4.82 *	4.81 *	4.78 *	4.75 *	4.72 *	4.68 *	4.63 *	5.77 *
-47.5	4.12 *	8.24 *	8.25 *	8.29 *	8.32 *	8.36 *	8.41 *	8.46 *	8.52 *	10.76 *
-55	8.17 *	16.33 *	16.33 *	16.34 *	16.33 *	16.32 *	16.31 *	16.29 *	16.26 *	20.28 *
-65	9.28 *	18.55 *	18.51 *	18.44 *	18.33 *	18.21 *	18.06 *	17.88 *	17.68 *	21.77 *
-75	5.95 *	11.89 *	11.87 *	11.81 *	11.73 *	11.64 *	11.49 *	11.32 *	11.14 *	13.66 *
-85	1.20 *	2.40 *	2.40 *	2.39 *	2.38 *	2.37 *	2.34 *	2.30 *	2.26 *	2.78 *
-90										
Total	96.47	193.07	193.47	194.14	195.11	196.35	197.51	198.53	199.48	250.43

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	3.25 *	3.14 *	3.52 *	3.81 *	3.99 *	4.03 *	3.59 *	4.52 *	4.47 *	2.85 *
85	15.94 *	15.38 *	17.17 *	18.50 *	19.23 *	19.24 *	16.91 *	20.56 *	18.20 *	9.31 *
75	25.58 *	24.91 *	28.01 *	30.39 *	31.89 *	32.24 *	28.57 *	35.14 *	31.74 *	15.71 *
65	24.30 *	24.30 *	28.23 *	31.86 *	34.99 *	37.02 *	34.00 *	43.28 *	41.09 *	21.71 *
55	13.15 *	13.47 *	16.20 *	19.15 *	22.22 *	25.33 *	25.27 *	34.59 *	34.55 *	19.19 *
47.5	6.92 *	6.97 *	8.29 *	9.82 *	11.59 *	13.80 *	14.83 *	22.36 *	24.02 *	13.80 *

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LUMENS TABULATION - (Cont.)

42.5	6.81 *	6.56 *	7.47 *	8.51 *	9.90 *	11.73 *	12.74 *	20.69 *	24.14 *	14.38 *
37.5	6.74 *	6.33 *	6.89 *	7.35 *	8.04 *	9.28 *	10.04 *	17.02 *	21.40 *	13.34 *
33	6.45 *	6.14 *	6.65 *	6.86 *	7.00 *	7.61 *	8.10 *	13.98 *	18.56 *	12.11 *
29	5.73 *	5.60 *	6.20 *	6.42 *	6.33 *	6.43 *	6.59 *	11.40 *	15.86 *	10.76 *
25.5	4.80 *	4.80 *	5.45 *	5.76 *	5.66 *	5.50 *	5.39 *	9.22 *	13.28 *	9.31 *
22.5	4.66 *	4.70 *	5.45 *	5.92 *	5.89 *	5.58 *	5.24 *	8.81 *	13.00 *	9.36 *
19.5	3.76 *	3.83 *	4.50 *	4.99 *	5.06 *	4.74 *	4.29 *	7.09 *	10.67 *	7.83 *
17	2.92 *	3.00 *	3.55 *	4.00 *	4.12 *	3.85 *	3.41 *	5.55 *	8.45 *	6.28 *
15	2.83 *	2.94 *	3.50 *	4.00 *	4.18 *	3.91 *	3.41 *	5.46 *	8.38 *	6.29 *
13	2.75 *	2.89 *	3.46 *	3.99 *	4.21 *	3.97 *	3.41 *	5.38 *	8.32 *	6.31 *
11	2.67 *	2.83 *	3.42 *	3.96 *	4.23 *	4.02 *	3.41 *	5.31 *	8.28 *	6.32 *
9	2.60 *	2.78 *	3.39 *	3.94 *	4.24 *	4.06 *	3.41 *	5.26 *	8.24 *	6.32 *
7	2.54 *	2.74 *	3.35 *	3.92 *	4.25 *	4.09 *	3.42 *	5.21 *	8.20 *	6.33 *
5	2.49 *	2.71 *	3.33 *	3.90 *	4.25 *	4.11 *	3.42 *	5.17 *	8.18 *	6.34 *
3	2.46 *	2.70 *	3.32 *	3.89 *	4.26 *	4.13 *	3.42 *	5.15 *	8.16 *	6.34 *
1	1.23 *	1.34 *	1.66 *	1.94 *	2.13 *	2.06 *	1.71 *	2.58 *	4.08 *	3.17 *
0	1.23 *	1.34 *	1.66 *	1.94 *	2.13 *	2.06 *	1.71 *	2.58 *	4.08 *	3.17 *
-1	2.46 *	2.70 *	3.32 *	3.89 *	4.26 *	4.13 *	3.42 *	5.15 *	8.16 *	6.34 *
-3	2.49 *	2.71 *	3.33 *	3.90 *	4.25 *	4.11 *	3.42 *	5.17 *	8.18 *	6.34 *
-5	2.54 *	2.74 *	3.35 *	3.92 *	4.25 *	4.09 *	3.42 *	5.21 *	8.20 *	6.33 *
-7	2.60 *	2.78 *	3.39 *	3.94 *	4.24 *	4.06 *	3.41 *	5.26 *	8.24 *	6.32 *
-9	2.67 *	2.83 *	3.42 *	3.96 *	4.23 *	4.02 *	3.41 *	5.31 *	8.28 *	6.32 *
-11	2.75 *	2.89 *	3.46 *	3.99 *	4.21 *	3.97 *	3.41 *	5.38 *	8.32 *	6.31 *
-13	2.83 *	2.94 *	3.50 *	4.00 *	4.18 *	3.91 *	3.41 *	5.46 *	8.38 *	6.29 *
-15	2.92 *	3.00 *	3.55 *	4.00 *	4.12 *	3.85 *	3.41 *	5.55 *	8.45 *	6.28 *
-17	3.76 *	3.83 *	4.50 *	4.99 *	5.06 *	4.74 *	4.29 *	7.09 *	10.67 *	7.83 *
-19.5	4.66 *	4.70 *	5.45 *	5.92 *	5.89 *	5.58 *	5.24 *	8.81 *	13.00 *	9.36 *
-22.5	4.80 *	4.80 *	5.45 *	5.76 *	5.66 *	5.50 *	5.39 *	9.22 *	13.28 *	9.31 *

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LUMENS TABULATION - (Cont.)

-25.5	5.73 *	5.60 *	6.20 *	6.42 *	6.33 *	6.43 *	6.59 *	11.40 *	15.86 *	10.76 *
-29	6.45 *	6.14 *	6.65 *	6.86 *	7.00 *	7.61 *	8.10 *	13.98 *	18.56 *	12.11 *
-33	6.74 *	6.33 *	6.89 *	7.35 *	8.04 *	9.28 *	10.04 *	17.02 *	21.40 *	13.34 *
-37.5	6.81 *	6.56 *	7.47 *	8.51 *	9.90 *	11.73 *	12.74 *	20.69 *	24.14 *	14.38 *
-42.5	6.92 *	6.97 *	8.29 *	9.82 *	11.59 *	13.80 *	14.83 *	22.36 *	24.02 *	13.80 *
-47.5	13.15 *	13.47 *	16.20 *	19.15 *	22.22 *	25.33 *	25.27 *	34.59 *	34.55 *	19.19 *
-55	24.30 *	24.30 *	28.23 *	31.86 *	34.99 *	37.02 *	34.00 *	43.28 *	41.09 *	21.71 *
-65	25.58 *	24.91 *	28.01 *	30.39 *	31.89 *	32.24 *	28.57 *	35.14 *	31.74 *	15.71 *
-75	15.94 *	15.38 *	17.17 *	18.50 *	19.23 *	19.24 *	16.91 *	20.56 *	18.20 *	9.31 *
-85	3.25 *	3.14 *	3.52 *	3.81 *	3.99 *	4.03 *	3.59 *	4.52 *	4.47 *	2.85 *
-90										
Total	301.13	300.14	346.00	385.77	415.31	433.47	409.16	587.41	682.54	426.77

Vert. Angles	Horizontal Angles			Total
	75	85	90	
90	1.36 *	0.16 *		61.54
85	3.42 *	0.34 *		286.67
75	4.73 *	0.36 *		465.96
65	6.32 *	0.39 *		486.45
55	5.70 *	0.32 *		310.86
47.5	4.15 *	0.22 *		182.99
42.5	4.36 *	0.23 *		177.40
37.5	4.08 *	0.21 *		159.91
33	3.74 *	0.19 *		141.50
29	3.35 *	0.17 *		121.76
25.5	2.92 *	0.15 *		102.05
22.5	2.96 *	0.15 *		99.28
19.5	2.49 *	0.13 *		80.30
17	2.01 *	0.10 *		62.57
15	2.02 *	0.10 *		61.15

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LUMENS TABULATION - (Cont.)

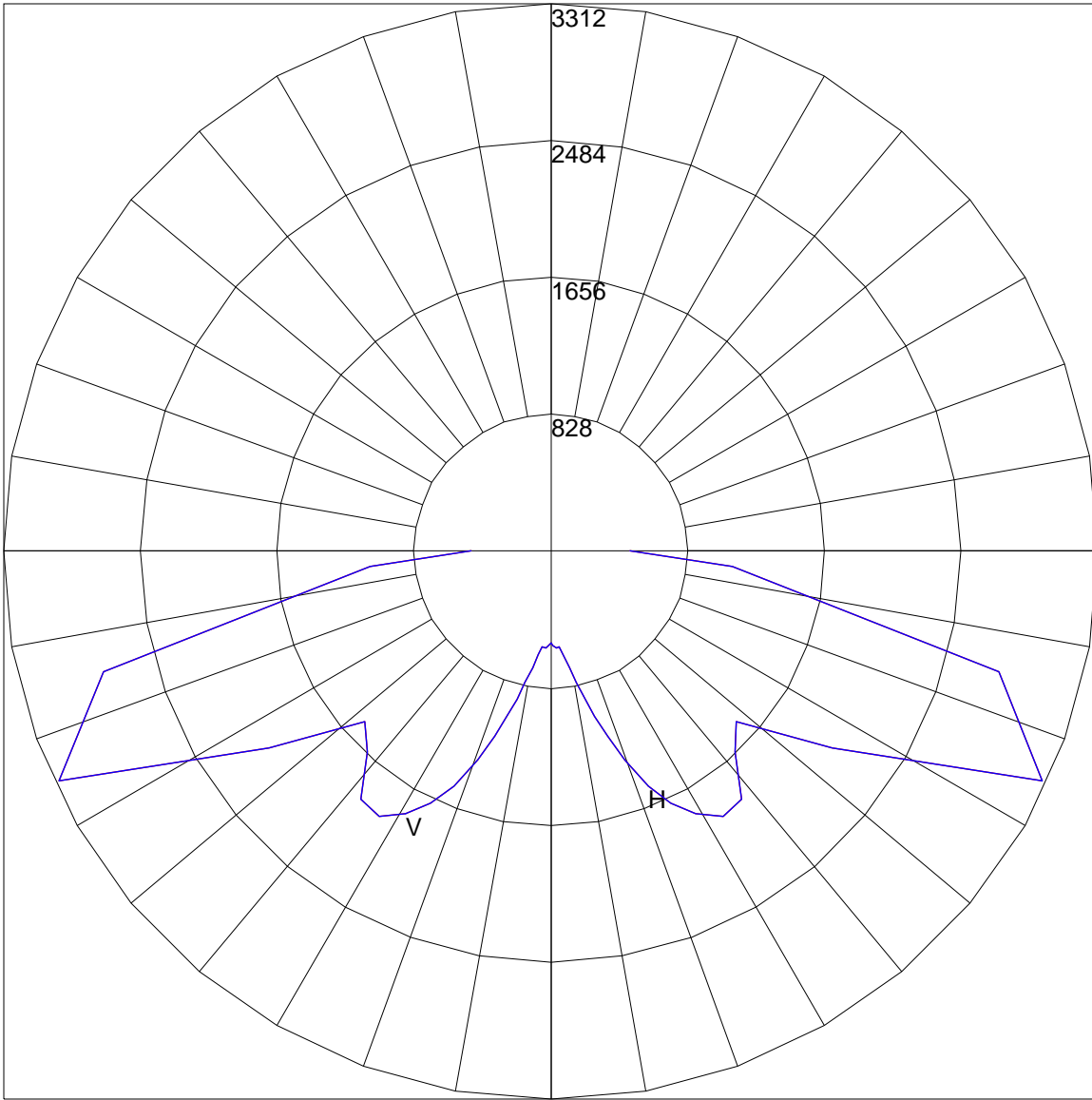
13	2.04 *	0.10 *	59.81
11	2.05 *	0.10 *	58.55
9	2.05 *	0.10 *	57.43
7	2.06 *	0.10 *	56.55
5	2.06 *	0.10 *	55.95
3	2.06 *	0.10 *	55.61
1	1.03 *	0.05 *	27.74
0	1.03 *	0.05 *	27.74
-1	2.06 *	0.10 *	55.61
-3	2.06 *	0.10 *	55.95
-5	2.06 *	0.10 *	56.55
-7	2.05 *	0.10 *	57.43
-9	2.05 *	0.10 *	58.55
-11	2.04 *	0.10 *	59.81
-13	2.02 *	0.10 *	61.15
-15	2.01 *	0.10 *	62.57
-17	2.49 *	0.13 *	80.30
-19.5	2.96 *	0.15 *	99.28
-22.5	2.92 *	0.15 *	102.05
-25.5	3.35 *	0.17 *	121.76
-29	3.74 *	0.19 *	141.50
-33	4.08 *	0.21 *	159.91
-37.5	4.36 *	0.23 *	177.40
-42.5	4.15 *	0.22 *	182.99
-47.5	5.70 *	0.32 *	310.86
-55	6.32 *	0.39 *	486.45
-65	4.73 *	0.36 *	465.96
-75	3.42 *	0.34 *	286.67

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ITL41894.IES

LUMENS TABULATION - (Cont.)

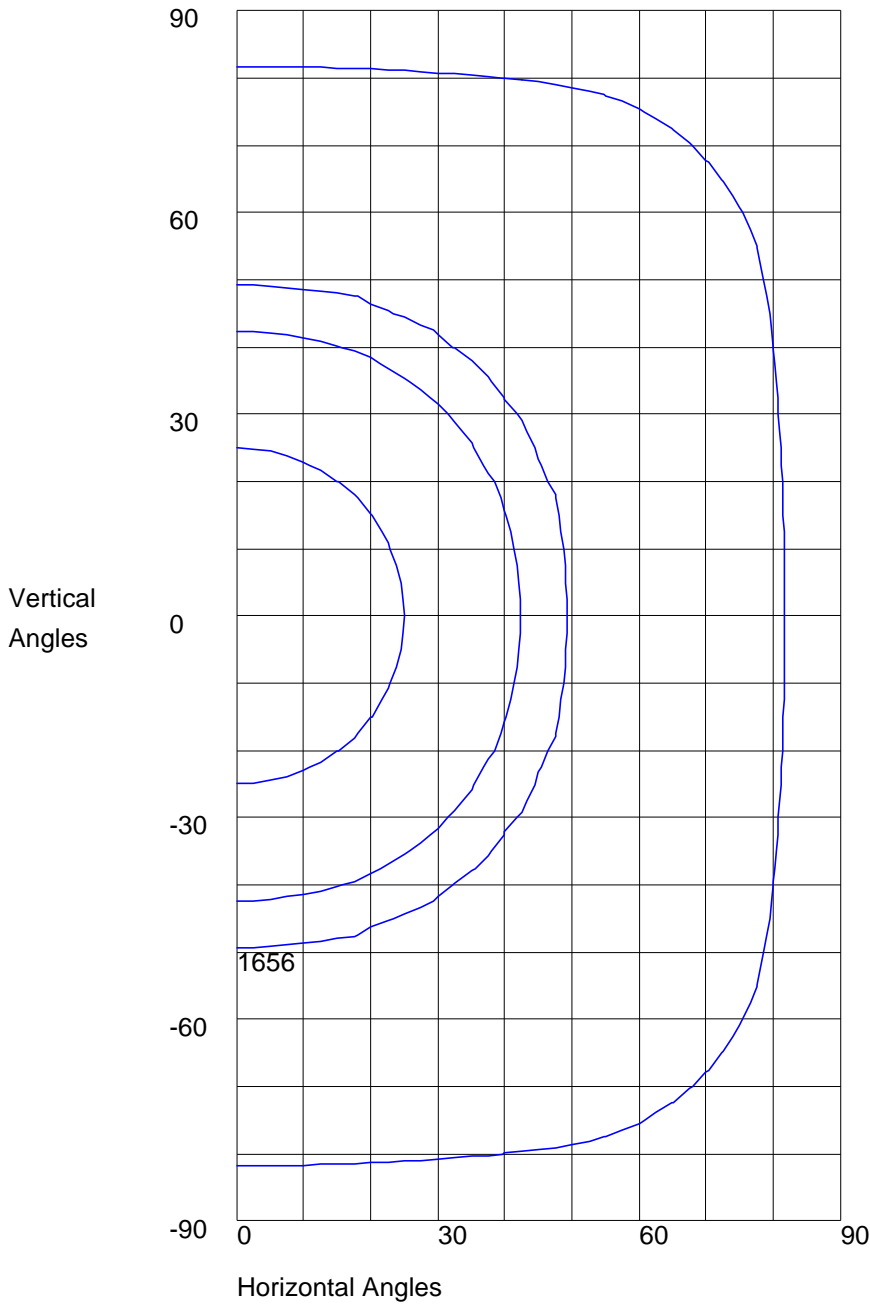
-85	1.36 *	0.16 *	61.54
-90			
Total	133.95	7.84	6344.06

AXIAL CANDELA DISPLAY



Maximum Candela = 3312 Located At Horizontal Angle = -65, Vertical Angle = -25.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3312 Located At Horizontal Angle = -65, Vertical Angle = -25.5
50% Maximum Candela = 1656
10% Maximum Candela = 331.2