



IES FLOOD REPORT
PHOTOMETRIC FILENAME : ITL42090.IES

DESCRIPTIVE INFORMATION (From Photometric File)

REPORT NUMBER: ITL42090 DATE: 03-30-94
PREPARED FOR: LEXALITE INTERNATIONAL CORPORATION
CATALOG NUMBER: 295 TYPE V
LUMINAIRE: SPUN DIFFUSE ALUMINUM REFLECTOR, CLEAR ACRYLIC TRUNCATED CONE
REFRACTOR, OPEN BOTTOM.
LAMP: ONE 150-WATT CLEAR E-23.5 HIGH PRESSURE SODIUM, RATED 16000 LUMENS,
VERTICAL BASE-UP POSITION.
THE ARC TUBE VOLTAGE RISE= 0.0

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

CHARACTERISTICS

IES NEMA Type	7 H x 7 V
Maximum Candela	3128
Maximum Candela Angle	-65H -37.5V
Horizontal Beam Angle (50%)	163.4
Vertical Beam Angle (50%)	147.1
Horizontal Field Angle (10%)	180.0
Vertical Field Angle (10%)	180.0
Total Rated Lamp Lumens	16000
Beam Lumens	10196.78
Beam Efficiency	63.73%
Field Lumens	12088.38
Field Efficiency	75.55%
Spill Lumens	0.00
Total Lumens	12088.38
Total Efficiency	75.55%
Total Luminaire Watts	150
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	731	90	731
85	1282	85	1282
75	2905	75	2905
65	2888	65	2888
55	1829	55	1829
47.5	1700	47.5	1700
42.5	1887	42.5	1887
37.5	1735	37.5	1735
33	1567	33	1567
29	1414	29	1414
25.5	1289	25.5	1289
22.5	1186	22.5	1186
19.5	1081	19.5	1081
17	988	17	988
15	905	15	905
13	808	13	808
11	722	11	722
9	654	9	654
7	612	7	612
5	606	5	606
3	671	3	671
1	767	1	767
0	820	0	820
-1	767	-1	767
-3	671	-3	671
-5	606	-5	606
-7	612	-7	612
-9	654	-9	654
-11	722	-11	722
-13	808	-13	808
-15	905	-15	905
-17	988	-17	988
-19.5	1081	-19.5	1081
-22.5	1186	-22.5	1186
-25.5	1289	-25.5	1289
-29	1414	-29	1414
-33	1567	-33	1567
-37.5	1735	-37.5	1735
-42.5	1887	-42.5	1887
-47.5	1700	-47.5	1700
-55	1829	-55	1829
-65	2888	-65	2888
-75	2905	-75	2905
-85	1282	-85	1282
-90	731	-90	731

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CANDELA TABULATION

Maximum Candela = 3128
 Beam Edge = 1564 Cd (50% of Max.)
 Field Edge = 312.8 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	730 *	730 *	730 *	730 *	731 *	731 *	731 *	731 *	731 *	731 *
85.0	730 *	771 *	853 *	931 *	1014 *	1078 *	1117 *	1152 *	1180 *	1203 *
75.0	730 *	853 *	1136 *	1472 *	1822 *	2073 *	2241 *	2394 *	2517 *	2603 *
65.0	730 *	931 *	1472 *	2112 *	2752 *	3029 *	3109 *	3128 *	3109 *	3079 *
55.0	731 *	1014 *	1822 *	2752 *	3123 *	3033 *	2886 *	2692 *	2491 *	2318 *
47.5	731 *	1078 *	2073 *	3029 *	3033 *	2684 *	2347 *	2030 *	1868 *	1746 *
42.5	731 *	1117 *	2241 *	3109 *	2886 *	2347 *	1996 *	1774 *	1648 *	1628 *
37.5	731 *	1152 *	2394 *	3128 *	2692 *	2030 *	1774 *	1637 *	1676 *	1756 *
33.0	731 *	1180 *	2517 *	3109 *	2491 *	1868 *	1648 *	1676 *	1786 *	1876 *
29.0	731 *	1203 *	2603 *	3079 *	2318 *	1746 *	1628 *	1756 *	1876 *	1822 *
25.5	731 *	1221 *	2670 *	3053 *	2189 *	1657 *	1676 *	1824 *	1843 *	1748 *
22.5	731 *	1234 *	2721 *	3021 *	2090 *	1642 *	1717 *	1874 *	1795 *	1684 *
19.5	731 *	1246 *	2766 *	2989 *	2012 *	1629 *	1760 *	1863 *	1744 *	1624 *
17.0	731 *	1254 *	2799 *	2965 *	1968 *	1631 *	1792 *	1839 *	1705 *	1576 *
15.0	731 *	1261 *	2823 *	2948 *	1938 *	1646 *	1813 *	1821 *	1677 *	1542 *
13.0	731 *	1266 *	2843 *	2933 *	1911 *	1659 *	1831 *	1800 *	1651 *	1511 *
11.0	731 *	1282 *	2861 *	2920 *	1888 *	1671 *	1847 *	1782 *	1628 *	1483 *
9.0	731 *	1282 *	2875 *	2910 *	1869 *	1680 *	1860 *	1767 *	1608 *	1460 *
7.0	731 *	1282 *	2887 *	2901 *	1853 *	1688 *	1870 *	1754 *	1592 *	1441 *
5.0	731 *	1282 *	2905 *	2895 *	1841 *	1694 *	1879 *	1745 *	1580 *	1428 *
3.0	731 *	1282 *	2905 *	2888 *	1829 *	1700 *	1887 *	1739 *	1572 *	1419 *
1.0	731 *	1282 *	2905 *	2888 *	1829 *	1700 *	1887 *	1735 *	1568 *	1415 *
0.0	731 *	1282 *	2905 *	2888 *	1829 *	1700 *	1887 *	1735 *	1567 *	1414 *
-1.0	731 *	1282 *	2905 *	2888 *	1829 *	1700 *	1887 *	1735 *	1568 *	1415 *
-3.0	731 *	1282 *	2905 *	2888 *	1829 *	1700 *	1887 *	1739 *	1572 *	1419 *
-5.0	731 *	1282 *	2905 *	2895 *	1841 *	1694 *	1879 *	1745 *	1580 *	1428 *
-7.0	731 *	1282 *	2887 *	2901 *	1853 *	1688 *	1870 *	1754 *	1592 *	1441 *
-9.0	731 *	1282 *	2875 *	2910 *	1869 *	1680 *	1860 *	1767 *	1608 *	1460 *
-11.0	731 *	1282 *	2861 *	2920 *	1888 *	1671 *	1847 *	1782 *	1628 *	1483 *
-13.0	731 *	1266 *	2843 *	2933 *	1911 *	1659 *	1831 *	1800 *	1651 *	1511 *
-15.0	731 *	1261 *	2823 *	2948 *	1938 *	1646 *	1813 *	1821 *	1677 *	1542 *
-17.0	731 *	1254 *	2799 *	2965 *	1968 *	1631 *	1792 *	1839 *	1705 *	1576 *
-19.5	731 *	1246 *	2766 *	2989 *	2012 *	1629 *	1760 *	1863 *	1744 *	1624 *
-22.5	731 *	1234 *	2721 *	3021 *	2090 *	1642 *	1717 *	1874 *	1795 *	1684 *
-25.5	731 *	1221 *	2670 *	3053 *	2189 *	1657 *	1676 *	1824 *	1843 *	1748 *
-29.0	731 *	1203 *	2603 *	3079 *	2318 *	1746 *	1628 *	1756 *	1876 *	1822 *
-33.0	731 *	1180 *	2517 *	3109 *	2491 *	1868 *	1648 *	1676 *	1786 *	1876 *
-37.5	731 *	1152 *	2394 *	3128 *	2692 *	2030 *	1774 *	1637 *	1676 *	1756 *
-42.5	731 *	1117 *	2241 *	3109 *	2886 *	2347 *	1996 *	1774 *	1648 *	1628 *
-47.5	731 *	1078 *	2073 *	3029 *	3033 *	2684 *	2347 *	2030 *	1868 *	1746 *
-55.0	731 *	1014 *	1822 *	2752 *	3123 *	3033 *	2886 *	2692 *	2491 *	2318 *
-65.0	730 *	931 *	1472 *	2112 *	2752 *	3029 *	3109 *	3128 *	3109 *	3079 *
-75.0	730 *	853 *	1136 *	1472 *	1822 *	2073 *	2241 *	2394 *	2517 *	2603 *
-85.0	730 *	771 *	853 *	931 *	1014 *	1078 *	1117 *	1152 *	1180 *	1203 *
-90.0	730 *	730 *	730 *	730 *	731 *	731 *	731 *	731 *	731 *	731 *

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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	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *
85.0	1221 *	1234 *	1246 *	1254 *	1261 *	1266 *	1282 *	1282 *	1282 *	1282 *
75.0	2670 *	2721 *	2766 *	2799 *	2823 *	2843 *	2861 *	2875 *	2887 *	2905 *
65.0	3053 *	3021 *	2989 *	2965 *	2948 *	2933 *	2920 *	2910 *	2901 *	2895 *
55.0	2189 *	2090 *	2012 *	1968 *	1938 *	1911 *	1888 *	1869 *	1853 *	1841 *
47.5	1657 *	1642 *	1629 *	1631 *	1646 *	1659 *	1671 *	1680 *	1688 *	1694 *
42.5	1676 *	1717 *	1760 *	1792 *	1813 *	1831 *	1847 *	1860 *	1870 *	1879 *
37.5	1824 *	1874 *	1863 *	1839 *	1821 *	1800 *	1782 *	1767 *	1754 *	1745 *
33.0	1843 *	1795 *	1744 *	1705 *	1677 *	1651 *	1628 *	1608 *	1592 *	1580 *
29.0	1748 *	1684 *	1624 *	1576 *	1542 *	1511 *	1483 *	1460 *	1441 *	1428 *
25.5	1660 *	1586 *	1517 *	1463 *	1426 *	1393 *	1364 *	1340 *	1320 *	1305 *
22.5	1586 *	1505 *	1430 *	1376 *	1336 *	1300 *	1268 *	1242 *	1220 *	1204 *
19.5	1517 *	1430 *	1353 *	1294 *	1251 *	1213 *	1178 *	1148 *	1122 *	1103 *
17.0	1463 *	1376 *	1294 *	1232 *	1186 *	1144 *	1105 *	1069 *	1039 *	1016 *
15.0	1426 *	1336 *	1251 *	1186 *	1137 *	1090 *	1046 *	1006 *	968 *	938 *
13.0	1393 *	1300 *	1213 *	1144 *	1090 *	1038 *	987 *	937 *	892 *	852 *
11.0	1364 *	1268 *	1178 *	1105 *	1046 *	987 *	926 *	865 *	809 *	766 *
9.0	1340 *	1242 *	1148 *	1069 *	1006 *	937 *	865 *	794 *	738 *	692 *
7.0	1320 *	1220 *	1122 *	1039 *	968 *	892 *	809 *	738 *	677 *	643 *
5.0	1305 *	1204 *	1103 *	1016 *	938 *	852 *	766 *	692 *	643 *	613 *
3.0	1295 *	1192 *	1089 *	999 *	917 *	824 *	738 *	666 *	617 *	609 *
1.0	1289 *	1186 *	1082 *	989 *	905 *	810 *	723 *	655 *	613 *	606 *
0.0	1289 *	1186 *	1081 *	988 *	905 *	808 *	722 *	654 *	612 *	606 *
-1.0	1289 *	1186 *	1082 *	989 *	905 *	810 *	723 *	655 *	613 *	606 *
-3.0	1295 *	1192 *	1089 *	999 *	917 *	824 *	738 *	666 *	617 *	609 *
-5.0	1305 *	1204 *	1103 *	1016 *	938 *	852 *	766 *	692 *	643 *	613 *
-7.0	1320 *	1220 *	1122 *	1039 *	968 *	892 *	809 *	738 *	677 *	643 *
-9.0	1340 *	1242 *	1148 *	1069 *	1006 *	937 *	865 *	794 *	738 *	692 *
-11.0	1364 *	1268 *	1178 *	1105 *	1046 *	987 *	926 *	865 *	809 *	766 *
-13.0	1393 *	1300 *	1213 *	1144 *	1090 *	1038 *	987 *	937 *	892 *	852 *
-15.0	1426 *	1336 *	1251 *	1186 *	1137 *	1090 *	1046 *	1006 *	968 *	938 *
-17.0	1463 *	1376 *	1294 *	1232 *	1186 *	1144 *	1105 *	1069 *	1039 *	1016 *
-19.5	1517 *	1430 *	1353 *	1294 *	1251 *	1213 *	1178 *	1148 *	1122 *	1103 *
-22.5	1586 *	1505 *	1430 *	1376 *	1336 *	1300 *	1268 *	1242 *	1220 *	1204 *
-25.5	1660 *	1586 *	1517 *	1463 *	1426 *	1393 *	1364 *	1340 *	1320 *	1305 *
-29.0	1748 *	1684 *	1624 *	1576 *	1542 *	1511 *	1483 *	1460 *	1441 *	1428 *
-33.0	1843 *	1795 *	1744 *	1705 *	1677 *	1651 *	1628 *	1608 *	1592 *	1580 *
-37.5	1824 *	1874 *	1863 *	1839 *	1821 *	1800 *	1782 *	1767 *	1754 *	1745 *
-42.5	1676 *	1717 *	1760 *	1792 *	1813 *	1831 *	1847 *	1860 *	1870 *	1879 *
-47.5	1657 *	1642 *	1629 *	1631 *	1646 *	1659 *	1671 *	1680 *	1688 *	1694 *
-55.0	2189 *	2090 *	2012 *	1968 *	1938 *	1911 *	1888 *	1869 *	1853 *	1841 *
-65.0	3053 *	3021 *	2989 *	2965 *	2948 *	2933 *	2920 *	2910 *	2901 *	2895 *
-75.0	2670 *	2721 *	2766 *	2799 *	2823 *	2843 *	2861 *	2875 *	2887 *	2905 *
-85.0	1221 *	1234 *	1246 *	1254 *	1261 *	1266 *	1282 *	1282 *	1282 *	1282 *
-90.0	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *

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	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *
85.0	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1266 *
75.0	2905 *	2905 *	2905 *	2905 *	2905 *	2905 *	2887 *	2875 *	2861 *	2843 *
65.0	2888 *	2888 *	2888 *	2888 *	2888 *	2895 *	2901 *	2910 *	2920 *	2933 *

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CANDELA TABULATION - (Cont.)

55.0	1829 *	1829 *	1829 *	1829 *	1829 *	1841 *	1853 *	1869 *	1888 *	1911 *
47.5	1700 *	1700 *	1700 *	1700 *	1700 *	1694 *	1688 *	1680 *	1671 *	1659 *
42.5	1887 *	1887 *	1887 *	1887 *	1887 *	1879 *	1870 *	1860 *	1847 *	1831 *
37.5	1739 *	1735 *	1735 *	1735 *	1739 *	1745 *	1754 *	1767 *	1782 *	1800 *
33.0	1572 *	1568 *	1567 *	1568 *	1572 *	1580 *	1592 *	1608 *	1628 *	1651 *
29.0	1419 *	1415 *	1414 *	1415 *	1419 *	1428 *	1441 *	1460 *	1483 *	1511 *
25.5	1295 *	1289 *	1289 *	1289 *	1295 *	1305 *	1320 *	1340 *	1364 *	1393 *
22.5	1192 *	1186 *	1186 *	1186 *	1192 *	1204 *	1220 *	1242 *	1268 *	1300 *
19.5	1089 *	1082 *	1081 *	1082 *	1089 *	1103 *	1122 *	1148 *	1178 *	1213 *
17.0	999 *	989 *	988 *	989 *	999 *	1016 *	1039 *	1069 *	1105 *	1144 *
15.0	917 *	905 *	905 *	905 *	917 *	938 *	968 *	1006 *	1046 *	1090 *
13.0	824 *	810 *	808 *	810 *	824 *	852 *	892 *	937 *	987 *	1038 *
11.0	738 *	723 *	722 *	723 *	738 *	766 *	809 *	865 *	926 *	987 *
9.0	666 *	655 *	654 *	655 *	666 *	692 *	738 *	794 *	865 *	937 *
7.0	617 *	613 *	612 *	613 *	617 *	643 *	677 *	738 *	809 *	892 *
5.0	609 *	606 *	606 *	606 *	609 *	613 *	643 *	692 *	766 *	852 *
3.0	631 *	666 *	671 *	666 *	631 *	609 *	617 *	666 *	738 *	824 *
1.0	666 *	745 *	767 *	745 *	666 *	606 *	613 *	655 *	723 *	810 *
0.0	671 *	767 *	820 *	767 *	671 *	606 *	612 *	654 *	722 *	808 *
-1.0	666 *	745 *	767 *	745 *	666 *	606 *	613 *	655 *	723 *	810 *
-3.0	631 *	666 *	671 *	666 *	631 *	609 *	617 *	666 *	738 *	824 *
-5.0	609 *	606 *	606 *	606 *	609 *	613 *	643 *	692 *	766 *	852 *
-7.0	617 *	613 *	612 *	613 *	617 *	643 *	677 *	738 *	809 *	892 *
-9.0	666 *	655 *	654 *	655 *	666 *	692 *	738 *	794 *	865 *	937 *
-11.0	738 *	723 *	722 *	723 *	738 *	766 *	809 *	865 *	926 *	987 *
-13.0	824 *	810 *	808 *	810 *	824 *	852 *	892 *	937 *	987 *	1038 *
-15.0	917 *	905 *	905 *	905 *	917 *	938 *	968 *	1006 *	1046 *	1090 *
-17.0	999 *	989 *	988 *	989 *	999 *	1016 *	1039 *	1069 *	1105 *	1144 *
-19.5	1089 *	1082 *	1081 *	1082 *	1089 *	1103 *	1122 *	1148 *	1178 *	1213 *
-22.5	1192 *	1186 *	1186 *	1186 *	1192 *	1204 *	1220 *	1242 *	1268 *	1300 *
-25.5	1295 *	1289 *	1289 *	1289 *	1295 *	1305 *	1320 *	1340 *	1364 *	1393 *
-29.0	1419 *	1415 *	1414 *	1415 *	1419 *	1428 *	1441 *	1460 *	1483 *	1511 *
-33.0	1572 *	1568 *	1567 *	1568 *	1572 *	1580 *	1592 *	1608 *	1628 *	1651 *
-37.5	1739 *	1735 *	1735 *	1735 *	1739 *	1745 *	1754 *	1767 *	1782 *	1800 *
-42.5	1887 *	1887 *	1887 *	1887 *	1887 *	1879 *	1870 *	1860 *	1847 *	1831 *
-47.5	1700 *	1700 *	1700 *	1700 *	1700 *	1694 *	1688 *	1680 *	1671 *	1659 *
-55.0	1829 *	1829 *	1829 *	1829 *	1829 *	1841 *	1853 *	1869 *	1888 *	1911 *
-65.0	2888 *	2888 *	2888 *	2888 *	2888 *	2895 *	2901 *	2910 *	2920 *	2933 *
-75.0	2905 *	2905 *	2905 *	2905 *	2905 *	2905 *	2887 *	2875 *	2861 *	2843 *
-85.0	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1282 *	1266 *
-90.0	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *

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	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *
85.0	1261 *	1254 *	1246 *	1234 *	1221 *	1203 *	1180 *	1152 *	1117 *	1078 *
75.0	2823 *	2799 *	2766 *	2721 *	2670 *	2603 *	2517 *	2394 *	2241 *	2073 *
65.0	2948 *	2965 *	2989 *	3021 *	3053 *	3079 *	3109 *	3128 *	3109 *	3029 *
55.0	1938 *	1968 *	2012 *	2090 *	2189 *	2318 *	2491 *	2692 *	2886 *	3033 *
47.5	1646 *	1631 *	1629 *	1642 *	1657 *	1746 *	1868 *	2030 *	2347 *	2684 *
42.5	1813 *	1792 *	1760 *	1717 *	1676 *	1628 *	1648 *	1774 *	1996 *	2347 *
37.5	1821 *	1839 *	1863 *	1874 *	1824 *	1756 *	1676 *	1637 *	1774 *	2030 *
33.0	1677 *	1705 *	1744 *	1795 *	1843 *	1876 *	1786 *	1676 *	1648 *	1868 *
29.0	1542 *	1576 *	1624 *	1684 *	1748 *	1822 *	1876 *	1756 *	1628 *	1746 *
25.5	1426 *	1463 *	1517 *	1586 *	1660 *	1748 *	1843 *	1824 *	1676 *	1657 *

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CANDELA TABULATION - (Cont.)

22.5	1336 *	1376 *	1430 *	1505 *	1586 *	1684 *	1795 *	1874 *	1717 *	1642 *
19.5	1251 *	1294 *	1353 *	1430 *	1517 *	1624 *	1744 *	1863 *	1760 *	1629 *
17.0	1186 *	1232 *	1294 *	1376 *	1463 *	1576 *	1705 *	1839 *	1792 *	1631 *
15.0	1137 *	1186 *	1251 *	1336 *	1426 *	1542 *	1677 *	1821 *	1813 *	1646 *
13.0	1090 *	1144 *	1213 *	1300 *	1393 *	1511 *	1651 *	1800 *	1831 *	1659 *
11.0	1046 *	1105 *	1178 *	1268 *	1364 *	1483 *	1628 *	1782 *	1847 *	1671 *
9.0	1006 *	1069 *	1148 *	1242 *	1340 *	1460 *	1608 *	1767 *	1860 *	1680 *
7.0	968 *	1039 *	1122 *	1220 *	1320 *	1441 *	1592 *	1754 *	1870 *	1688 *
5.0	938 *	1016 *	1103 *	1204 *	1305 *	1428 *	1580 *	1745 *	1879 *	1694 *
3.0	917 *	999 *	1089 *	1192 *	1295 *	1419 *	1572 *	1739 *	1887 *	1700 *
1.0	905 *	989 *	1082 *	1186 *	1289 *	1415 *	1568 *	1735 *	1887 *	1700 *
0.0	905 *	988 *	1081 *	1186 *	1289 *	1414 *	1567 *	1735 *	1887 *	1700 *
-1.0	905 *	989 *	1082 *	1186 *	1289 *	1415 *	1568 *	1735 *	1887 *	1700 *
-3.0	917 *	999 *	1089 *	1192 *	1295 *	1419 *	1572 *	1739 *	1887 *	1700 *
-5.0	938 *	1016 *	1103 *	1204 *	1305 *	1428 *	1580 *	1745 *	1879 *	1694 *
-7.0	968 *	1039 *	1122 *	1220 *	1320 *	1441 *	1592 *	1754 *	1870 *	1688 *
-9.0	1006 *	1069 *	1148 *	1242 *	1340 *	1460 *	1608 *	1767 *	1860 *	1680 *
-11.0	1046 *	1105 *	1178 *	1268 *	1364 *	1483 *	1628 *	1782 *	1847 *	1671 *
-13.0	1090 *	1144 *	1213 *	1300 *	1393 *	1511 *	1651 *	1800 *	1831 *	1659 *
-15.0	1137 *	1186 *	1251 *	1336 *	1426 *	1542 *	1677 *	1821 *	1813 *	1646 *
-17.0	1186 *	1232 *	1294 *	1376 *	1463 *	1576 *	1705 *	1839 *	1792 *	1631 *
-19.5	1251 *	1294 *	1353 *	1430 *	1517 *	1624 *	1744 *	1863 *	1760 *	1629 *
-22.5	1336 *	1376 *	1430 *	1505 *	1586 *	1684 *	1795 *	1874 *	1717 *	1642 *
-25.5	1426 *	1463 *	1517 *	1586 *	1660 *	1748 *	1843 *	1824 *	1676 *	1657 *
-29.0	1542 *	1576 *	1624 *	1684 *	1748 *	1822 *	1876 *	1756 *	1628 *	1746 *
-33.0	1677 *	1705 *	1744 *	1795 *	1843 *	1876 *	1786 *	1676 *	1648 *	1868 *
-37.5	1821 *	1839 *	1863 *	1874 *	1824 *	1756 *	1676 *	1637 *	1774 *	2030 *
-42.5	1813 *	1792 *	1760 *	1717 *	1676 *	1628 *	1648 *	1774 *	1996 *	2347 *
-47.5	1646 *	1631 *	1629 *	1642 *	1657 *	1746 *	1868 *	2030 *	2347 *	2684 *
-55.0	1938 *	1968 *	2012 *	2090 *	2189 *	2318 *	2491 *	2692 *	2886 *	3033 *
-65.0	2948 *	2965 *	2989 *	3021 *	3053 *	3079 *	3109 *	3128 *	3109 *	3029 *
-75.0	2823 *	2799 *	2766 *	2721 *	2670 *	2603 *	2517 *	2394 *	2241 *	2073 *
-85.0	1261 *	1254 *	1246 *	1234 *	1221 *	1203 *	1180 *	1152 *	1117 *	1078 *
-90.0	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *	731 *

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	731 *	730 *	730 *	730 *	730 *
85.0	1014 *	931 *	853 *	771 *	730 *
75.0	1822 *	1472 *	1136 *	853 *	730 *
65.0	2752 *	2112 *	1472 *	931 *	730 *
55.0	3123 *	2752 *	1822 *	1014 *	731 *
47.5	3033 *	3029 *	2073 *	1078 *	731 *
42.5	2886 *	3109 *	2241 *	1117 *	731 *
37.5	2692 *	3128 *	2394 *	1152 *	731 *
33.0	2491 *	3109 *	2517 *	1180 *	731 *
29.0	2318 *	3079 *	2603 *	1203 *	731 *
25.5	2189 *	3053 *	2670 *	1221 *	731 *
22.5	2090 *	3021 *	2721 *	1234 *	731 *
19.5	2012 *	2989 *	2766 *	1246 *	731 *
17.0	1968 *	2965 *	2799 *	1254 *	731 *
15.0	1938 *	2948 *	2823 *	1261 *	731 *
13.0	1911 *	2933 *	2843 *	1266 *	731 *
11.0	1888 *	2920 *	2861 *	1282 *	731 *
9.0	1869 *	2910 *	2875 *	1282 *	731 *

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CANDELA TABULATION - (Cont.)

7.0	1853 *	2901 *	2887 *	1282 *	731 *
5.0	1841 *	2895 *	2905 *	1282 *	731 *
3.0	1829 *	2888 *	2905 *	1282 *	731 *
1.0	1829 *	2888 *	2905 *	1282 *	731 *
0.0	1829 *	2888 *	2905 *	1282 *	731 *
-1.0	1829 *	2888 *	2905 *	1282 *	731 *
-3.0	1829 *	2888 *	2905 *	1282 *	731 *
-5.0	1841 *	2895 *	2905 *	1282 *	731 *
-7.0	1853 *	2901 *	2887 *	1282 *	731 *
-9.0	1869 *	2910 *	2875 *	1282 *	731 *
-11.0	1888 *	2920 *	2861 *	1282 *	731 *
-13.0	1911 *	2933 *	2843 *	1266 *	731 *
-15.0	1938 *	2948 *	2823 *	1261 *	731 *
-17.0	1968 *	2965 *	2799 *	1254 *	731 *
-19.5	2012 *	2989 *	2766 *	1246 *	731 *
-22.5	2090 *	3021 *	2721 *	1234 *	731 *
-25.5	2189 *	3053 *	2670 *	1221 *	731 *
-29.0	2318 *	3079 *	2603 *	1203 *	731 *
-33.0	2491 *	3109 *	2517 *	1180 *	731 *
-37.5	2692 *	3128 *	2394 *	1152 *	731 *
-42.5	2886 *	3109 *	2241 *	1117 *	731 *
-47.5	3033 *	3029 *	2073 *	1078 *	731 *
-55.0	3123 *	2752 *	1822 *	1014 *	731 *
-65.0	2752 *	2112 *	1472 *	931 *	730 *
-75.0	1822 *	1472 *	1136 *	853 *	730 *
-85.0	1014 *	931 *	853 *	771 *	730 *
-90.0	731 *	730 *	730 *	730 *	730 *

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LUMEN TABULATION

Average Of Right And Left Sides
 Total Lumens (one side of beam only) = 6044.19
 Total Field Lumens (one side of beam only) = 6044.19
 * 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	1.53 *	3.06 *	3.06 *	3.05 *	3.04 *	3.02 *	2.99 *	2.95 *	2.91 *	3.58 *
85	6.38 *	12.75 *	12.72 *	12.66 *	12.56 *	12.45 *	12.29 *	12.11 *	11.91 *	14.58 *
75	8.82 *	17.63 *	17.61 *	17.55 *	17.45 *	17.35 *	17.22 *	17.06 *	16.89 *	20.83 *
65	7.18 *	14.36 *	14.36 *	14.37 *	14.38 *	14.38 *	14.38 *	14.38 *	14.38 *	17.96 *
55	4.03 *	8.06 *	8.05 *	8.04 *	8.02 *	8.00 *	7.97 *	7.93 *	7.89 *	9.82 *
47.5	2.73 *	5.46 *	5.44 *	5.40 *	5.35 *	5.29 *	5.22 *	5.13 *	5.04 *	6.16 *
42.5	2.76 *	5.52 *	5.51 *	5.49 *	5.47 *	5.44 *	5.41 *	5.37 *	5.32 *	6.56 *
37.5	2.26 *	4.53 *	4.54 *	4.55 *	4.56 *	4.58 *	4.60 *	4.62 *	4.64 *	5.82 *
33	1.82 *	3.64 *	3.65 *	3.66 *	3.68 *	3.71 *	3.74 *	3.77 *	3.81 *	4.81 *
29	1.44 *	2.89 *	2.90 *	2.91 *	2.94 *	2.96 *	3.00 *	3.04 *	3.08 *	3.91 *
25.5	1.13 *	2.27 *	2.28 *	2.29 *	2.32 *	2.35 *	2.38 *	2.42 *	2.46 *	3.14 *
22.5	1.04 *	2.08 *	2.09 *	2.11 *	2.14 *	2.18 *	2.22 *	2.26 *	2.31 *	2.96 *
19.5	0.79 *	1.58 *	1.60 *	1.62 *	1.65 *	1.69 *	1.73 *	1.77 *	1.82 *	2.34 *
17	0.58 *	1.16 *	1.18 *	1.20 *	1.23 *	1.27 *	1.31 *	1.35 *	1.39 *	1.79 *
15	0.52 *	1.05 *	1.07 *	1.11 *	1.15 *	1.19 *	1.24 *	1.29 *	1.33 *	1.73 *
13	0.47 *	0.94 *	0.97 *	1.01 *	1.06 *	1.11 *	1.17 *	1.23 *	1.28 *	1.68 *
11	0.42 *	0.85 *	0.87 *	0.91 *	0.97 *	1.03 *	1.11 *	1.18 *	1.24 *	1.63 *
9	0.39 *	0.78 *	0.80 *	0.83 *	0.89 *	0.96 *	1.04 *	1.12 *	1.20 *	1.58 *
7	0.37 *	0.74 *	0.75 *	0.78 *	0.83 *	0.90 *	0.99 *	1.08 *	1.16 *	1.55 *
5	0.39 *	0.76 *	0.75 *	0.75 *	0.79 *	0.86 *	0.95 *	1.04 *	1.13 *	1.52 *
3	0.43 *	0.82 *	0.76 *	0.74 *	0.77 *	0.83 *	0.92 *	1.02 *	1.12 *	1.50 *
1	0.24 *	0.43 *	0.39 *	0.37 *	0.38 *	0.41 *	0.46 *	0.51 *	0.55 *	0.75 *
0	0.24 *	0.43 *	0.39 *	0.37 *	0.38 *	0.41 *	0.46 *	0.51 *	0.55 *	0.75 *
-1	0.43 *	0.82 *	0.76 *	0.74 *	0.77 *	0.83 *	0.92 *	1.02 *	1.12 *	1.50 *
-3	0.39 *	0.76 *	0.75 *	0.75 *	0.79 *	0.86 *	0.95 *	1.04 *	1.13 *	1.52 *

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LUMENS TABULATION - (Cont.)

-5	0.37 *	0.74 *	0.75 *	0.78 *	0.83 *	0.90 *	0.99 *	1.08 *	1.16 *	1.55 *
-7	0.39 *	0.78 *	0.80 *	0.83 *	0.89 *	0.96 *	1.04 *	1.12 *	1.20 *	1.58 *
-9	0.42 *	0.85 *	0.87 *	0.91 *	0.97 *	1.03 *	1.11 *	1.18 *	1.24 *	1.63 *
-11	0.47 *	0.94 *	0.97 *	1.01 *	1.06 *	1.11 *	1.17 *	1.23 *	1.28 *	1.68 *
-13	0.52 *	1.05 *	1.07 *	1.11 *	1.15 *	1.19 *	1.24 *	1.29 *	1.33 *	1.73 *
-15	0.58 *	1.16 *	1.18 *	1.20 *	1.23 *	1.27 *	1.31 *	1.35 *	1.39 *	1.79 *
-17	0.79 *	1.58 *	1.60 *	1.62 *	1.65 *	1.69 *	1.73 *	1.77 *	1.82 *	2.34 *
-19.5	1.04 *	2.08 *	2.09 *	2.11 *	2.14 *	2.18 *	2.22 *	2.26 *	2.31 *	2.96 *
-22.5	1.13 *	2.27 *	2.28 *	2.29 *	2.32 *	2.35 *	2.38 *	2.42 *	2.46 *	3.14 *
-25.5	1.44 *	2.89 *	2.90 *	2.91 *	2.94 *	2.96 *	3.00 *	3.04 *	3.08 *	3.91 *
-29	1.82 *	3.64 *	3.65 *	3.66 *	3.68 *	3.71 *	3.74 *	3.77 *	3.81 *	4.81 *
-33	2.26 *	4.53 *	4.54 *	4.55 *	4.56 *	4.58 *	4.60 *	4.62 *	4.64 *	5.82 *
-37.5	2.76 *	5.52 *	5.51 *	5.49 *	5.47 *	5.44 *	5.41 *	5.37 *	5.32 *	6.56 *
-42.5	2.73 *	5.46 *	5.44 *	5.40 *	5.35 *	5.29 *	5.22 *	5.13 *	5.04 *	6.16 *
-47.5	4.03 *	8.06 *	8.05 *	8.04 *	8.02 *	8.00 *	7.97 *	7.93 *	7.89 *	9.82 *
-55	7.18 *	14.36 *	14.36 *	14.37 *	14.38 *	14.38 *	14.38 *	14.38 *	14.38 *	17.96 *
-65	8.82 *	17.63 *	17.61 *	17.55 *	17.45 *	17.35 *	17.22 *	17.06 *	16.89 *	20.83 *
-75	6.38 *	12.75 *	12.72 *	12.66 *	12.56 *	12.45 *	12.29 *	12.11 *	11.91 *	14.58 *
-85	1.53 *	3.06 *	3.06 *	3.05 *	3.04 *	3.02 *	2.99 *	2.95 *	2.91 *	3.58 *
-90										
Total	91.43	182.72	182.66	182.81	183.23	183.93	184.63	185.25	185.68	232.38

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	4.20 *	4.09 *	4.60 *	5.02 *	5.31 *	5.44 *	4.92 *	6.35 *	6.48 *	4.22 *
85	16.99 *	16.37 *	18.24 *	19.59 *	20.26 *	20.13 *	17.52 *	21.39 *	19.92 *	11.43 *
75	24.52 *	23.93 *	27.02 *	29.52 *	31.19 *	31.70 *	28.13 *	34.57 *	31.02 *	16.11 *
65	21.57 *	21.61 *	25.21 *	28.71 *	31.95 *	34.45 *	32.45 *	42.64 *	40.84 *	21.22 *
55	11.79 *	11.86 *	14.06 *	16.49 *	19.06 *	21.77 *	22.10 *	31.81 *	34.05 *	18.88 *
47.5	7.20 *	6.98 *	7.95 *	8.99 *	10.24 *	11.88 *	12.62 *	19.56 *	22.93 *	13.59 *

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LUMENS TABULATION - (Cont.)

42.5	7.69 *	7.40 *	8.15 *	8.76 *	9.42 *	10.47 *	10.96 *	17.78 *	22.47 *	14.14 *
37.5	6.98 *	6.89 *	7.78 *	8.33 *	8.53 *	8.84 *	8.87 *	14.60 *	19.54 *	13.05 *
33	5.84 *	5.90 *	6.91 *	7.69 *	7.94 *	7.82 *	7.42 *	12.04 *	16.73 *	11.77 *
29	4.79 *	4.88 *	5.79 *	6.66 *	7.15 *	7.03 *	6.32 *	9.89 *	14.16 *	10.38 *
25.5	3.86 *	3.97 *	4.75 *	5.54 *	6.16 *	6.20 *	5.40 *	8.12 *	11.81 *	8.95 *
22.5	3.66 *	3.78 *	4.56 *	5.36 *	6.11 *	6.31 *	5.45 *	7.90 *	11.54 *	8.97 *
19.5	2.91 *	3.02 *	3.66 *	4.34 *	5.00 *	5.29 *	4.58 *	6.47 *	9.44 *	7.49 *
17	2.24 *	2.34 *	2.85 *	3.39 *	3.94 *	4.24 *	3.70 *	5.13 *	7.47 *	6.00 *
15	2.18 *	2.28 *	2.78 *	3.33 *	3.89 *	4.24 *	3.74 *	5.11 *	7.40 *	6.01 *
13	2.12 *	2.22 *	2.73 *	3.28 *	3.84 *	4.23 *	3.77 *	5.09 *	7.34 *	6.01 *
11	2.06 *	2.18 *	2.68 *	3.23 *	3.80 *	4.23 *	3.80 *	5.08 *	7.29 *	6.02 *
9	2.02 *	2.14 *	2.64 *	3.19 *	3.76 *	4.23 *	3.82 *	5.07 *	7.25 *	6.02 *
7	1.98 *	2.11 *	2.60 *	3.15 *	3.73 *	4.23 *	3.84 *	5.06 *	7.22 *	6.03 *
5	1.96 *	2.09 *	2.58 *	3.13 *	3.71 *	4.23 *	3.85 *	5.05 *	7.19 *	6.03 *
3	1.94 *	2.07 *	2.57 *	3.12 *	3.70 *	4.23 *	3.86 *	5.04 *	7.18 *	6.03 *
1	0.97 *	1.03 *	1.28 *	1.56 *	1.85 *	2.11 *	1.93 *	2.52 *	3.59 *	3.01 *
0	0.97 *	1.03 *	1.28 *	1.56 *	1.85 *	2.11 *	1.93 *	2.52 *	3.59 *	3.01 *
-1	1.94 *	2.07 *	2.57 *	3.12 *	3.70 *	4.23 *	3.86 *	5.04 *	7.18 *	6.03 *
-3	1.96 *	2.09 *	2.58 *	3.13 *	3.71 *	4.23 *	3.85 *	5.05 *	7.19 *	6.03 *
-5	1.98 *	2.11 *	2.60 *	3.15 *	3.73 *	4.23 *	3.84 *	5.06 *	7.22 *	6.03 *
-7	2.02 *	2.14 *	2.64 *	3.19 *	3.76 *	4.23 *	3.82 *	5.07 *	7.25 *	6.02 *
-9	2.06 *	2.18 *	2.68 *	3.23 *	3.80 *	4.23 *	3.80 *	5.08 *	7.29 *	6.02 *
-11	2.12 *	2.22 *	2.73 *	3.28 *	3.84 *	4.23 *	3.77 *	5.09 *	7.34 *	6.01 *
-13	2.18 *	2.28 *	2.78 *	3.33 *	3.89 *	4.24 *	3.74 *	5.11 *	7.40 *	6.01 *
-15	2.24 *	2.34 *	2.85 *	3.39 *	3.94 *	4.24 *	3.70 *	5.13 *	7.47 *	6.00 *
-17	2.91 *	3.02 *	3.66 *	4.34 *	5.00 *	5.29 *	4.58 *	6.47 *	9.44 *	7.49 *
-19.5	3.66 *	3.78 *	4.56 *	5.36 *	6.11 *	6.31 *	5.45 *	7.90 *	11.54 *	8.97 *
-22.5	3.86 *	3.97 *	4.75 *	5.54 *	6.16 *	6.20 *	5.40 *	8.12 *	11.81 *	8.95 *

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LUMENS TABULATION - (Cont.)

-25.5	4.79 *	4.88 *	5.79 *	6.66 *	7.15 *	7.03 *	6.32 *	9.89 *	14.16 *	10.38 *
-29	5.84 *	5.90 *	6.91 *	7.69 *	7.94 *	7.82 *	7.42 *	12.04 *	16.73 *	11.77 *
-33	6.98 *	6.89 *	7.78 *	8.33 *	8.53 *	8.84 *	8.87 *	14.60 *	19.54 *	13.05 *
-37.5	7.69 *	7.40 *	8.15 *	8.76 *	9.42 *	10.47 *	10.96 *	17.78 *	22.47 *	14.14 *
-42.5	7.20 *	6.98 *	7.95 *	8.99 *	10.24 *	11.88 *	12.62 *	19.56 *	22.93 *	13.59 *
-47.5	11.79 *	11.86 *	14.06 *	16.49 *	19.06 *	21.77 *	22.10 *	31.81 *	34.05 *	18.88 *
-55	21.57 *	21.61 *	25.21 *	28.71 *	31.95 *	34.45 *	32.45 *	42.64 *	40.84 *	21.22 *
-65	24.52 *	23.93 *	27.02 *	29.52 *	31.19 *	31.70 *	28.13 *	34.57 *	31.02 *	16.11 *
-75	16.99 *	16.37 *	18.24 *	19.59 *	20.26 *	20.13 *	17.52 *	21.39 *	19.92 *	11.43 *
-85	4.20 *	4.09 *	4.60 *	5.02 *	5.31 *	5.44 *	4.92 *	6.35 *	6.48 *	4.22 *
-90										
Total	278.92	278.23	322.72	364.73	401.07	426.59	398.15	552.53	645.69	422.72

Vert. Angles	Horizontal Angles			Total
	<u>75</u>	<u>85</u>	<u>90</u>	
90	2.04 *	0.25 *		82.09
85	4.77 *	0.51 *		307.53
75	5.80 *	0.54 *		452.47
65	6.92 *	0.57 *		448.26
55	5.93 *	0.44 *		286.03
47.5	4.30 *	0.30 *		177.76
42.5	4.56 *	0.31 *		174.95
37.5	4.30 *	0.28 *		152.70
33	3.96 *	0.26 *		130.54
29	3.56 *	0.23 *		109.88
25.5	3.11 *	0.20 *		91.09
22.5	3.16 *	0.20 *		88.37
19.5	2.66 *	0.16 *		71.61
17	2.15 *	0.13 *		56.03
15	2.16 *	0.13 *		54.94

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ITL42090.IES

LUMENS TABULATION - (Cont.)

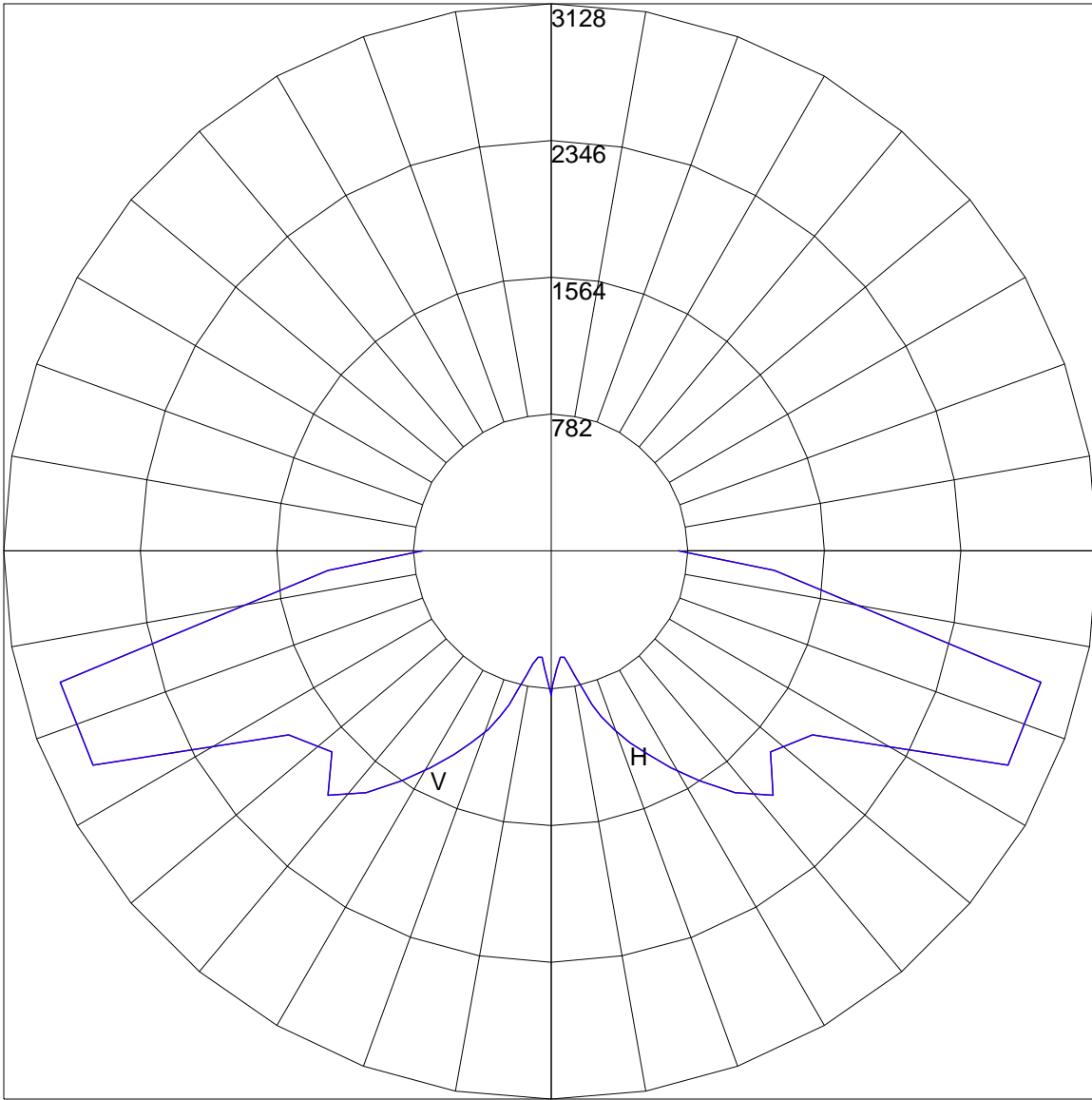
13	2.18 *	0.13 *	53.86
11	2.19 *	0.13 *	52.88
9	2.20 *	0.13 *	52.05
7	2.21 *	0.13 *	51.45
5	2.21 *	0.13 *	51.11
3	2.21 *	0.13 *	51.01
1	1.11 *	0.07 *	25.51
0	1.11 *	0.07 *	25.51
-1	2.21 *	0.13 *	51.01
-3	2.21 *	0.13 *	51.11
-5	2.21 *	0.13 *	51.45
-7	2.20 *	0.13 *	52.05
-9	2.19 *	0.13 *	52.88
-11	2.18 *	0.13 *	53.86
-13	2.16 *	0.13 *	54.94
-15	2.15 *	0.13 *	56.03
-17	2.66 *	0.16 *	71.61
-19.5	3.16 *	0.20 *	88.37
-22.5	3.11 *	0.20 *	91.09
-25.5	3.56 *	0.23 *	109.88
-29	3.96 *	0.26 *	130.54
-33	4.30 *	0.28 *	152.70
-37.5	4.56 *	0.31 *	174.95
-42.5	4.30 *	0.30 *	177.76
-47.5	5.93 *	0.44 *	286.03
-55	6.92 *	0.57 *	448.26
-65	5.80 *	0.54 *	452.47
-75	4.77 *	0.51 *	307.53

IES FLOOD REPORT
PHOTOMETRIC FILENAME : ITL42090.IES

LUMENS TABULATION - (Cont.)

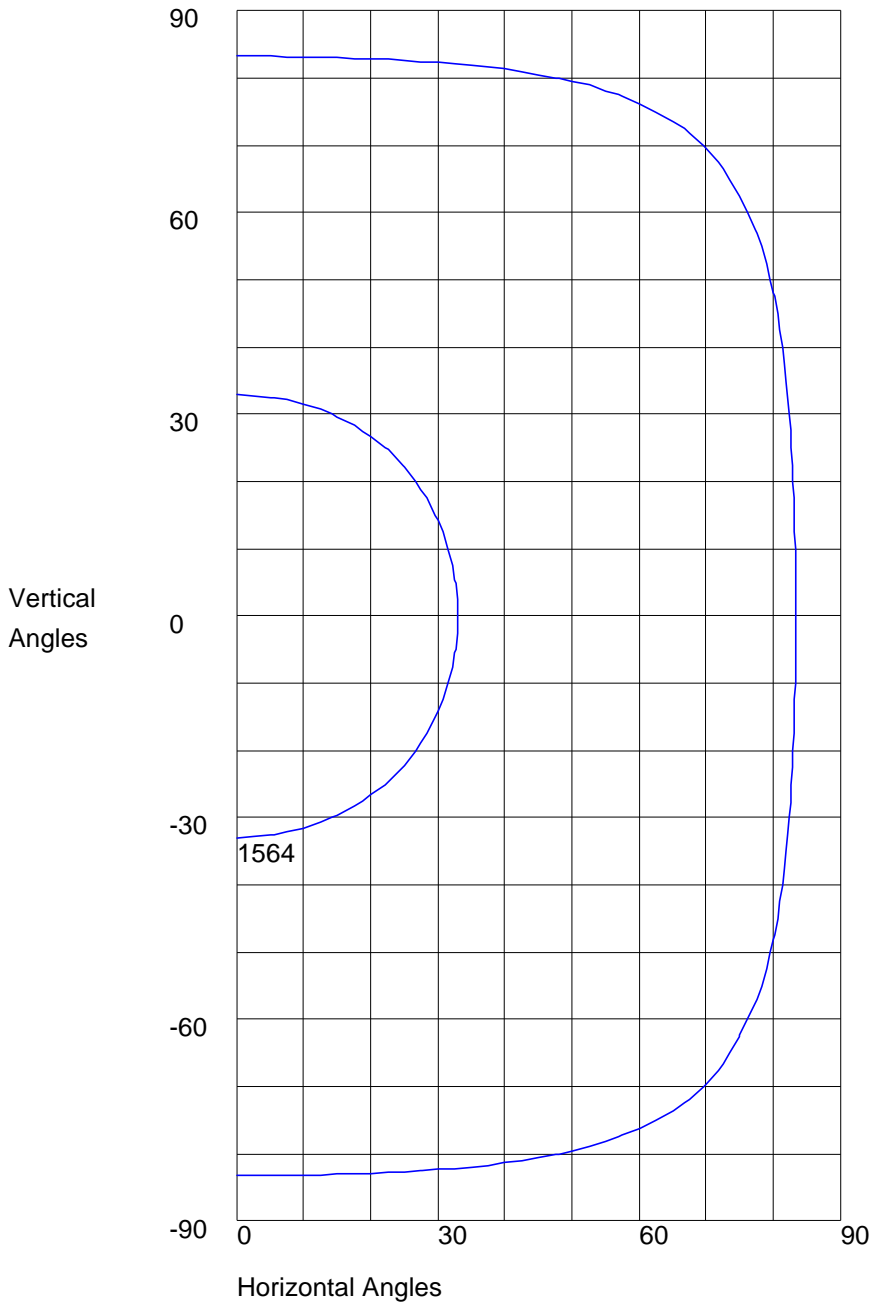
-85	2.04 *	0.25 *	82.09
-90			
Total	147.39	10.74	6044.19

AXIAL CANDELA DISPLAY



Maximum Candela = 3128 Located At Horizontal Angle =-65, Vertical Angle =-37.5
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 3128 Located At Horizontal Angle = -65, Vertical Angle = -37.5
50% Maximum Candela = 1564
10% Maximum Candela = 312.8