

IES FLOOD REPORT

PHOTOMETRIC FILENAME : 9044AMF1X167UAMC.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Q2017020901 Scaled from 112 watt

[TESTLAB] INCON

[ISSUEDATE] 02-09-2017

[MANUFAC] INCON

[LUMCAT] 9044AMF1X167UAMC

[LUMINAIRE] 9044AM WITH ONE 167W AMBER LED ARRAY, CLEAR GLASS LENS

[LAMPCAT] CREE XBD 2525 LEDS

[LAMP] CREE XBD 2525 LEDS

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

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	1827.2
Maximum Candela Angle	-7H 0V
Horizontal Beam Angle (50%)	121.2
Vertical Beam Angle (50%)	118.1
Horizontal Field Angle (10%)	158.4
Vertical Field Angle (10%)	154.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	4569
Beam Efficiency	N.A.
Field Lumens	5584
Field Efficiency	N.A.
Spill Lumens	89
Luminaire Lumens	5673
Total Efficiency	N.A.
Total Luminaire Watts	180
Ballast Factor	1.00

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	2.267	90	1.941
85	4.955	85	4.524
75	260.112	75	190.964
65	690.615	65	628.791
55	1082.559	55	1055.741
47.5	1319.837	47.5	1438.53
42.5	1471.165	42.5	1529.111
37.5	1553.561	37.5	1613.23
33	1606.962	33	1688.882
29	1637.851	29	1730.803
25.5	1669.452	25.5	1744.546
22.5	1696.918	22.5	1757.987
19.5	1723.931	19.5	1767.164
17	1740.647	17	1777.181
15	1750.987	15	1785.883
13	1759.517	13	1792.001
11	1765.979	11	1797.99
9	1774.294	9	1802.34
7	1784.354	7	1804.214
5	1792.023	5	1803.439
3	1798.399	3	1798.357
1	1799.059	1	1797.897
0	1798.437	0	1798.437
-1	1805.349	-1	1790.443
-3	1817.549	-3	1778.085
-5	1824.874	-5	1776.62
-7	1827.2	-7	1775.93
-9	1826.811	-9	1773.69
-11	1822.331	-11	1771.364
-13	1812.789	-13	1769.167
-15	1797.624	-15	1766.065
-17	1784.526	-17	1767.185
-19.5	1767.293	-19.5	1766.345
-22.5	1742.37	-22.5	1753.14
-25.5	1717.124	-25.5	1730.629
-29	1690.8	-29	1699.654
-33	1654.438	-33	1656.269
-37.5	1600.52	-37.5	1590.719
-42.5	1535.357	-42.5	1513.924
-47.5	1444.776	-47.5	1409.88
-55	1178.956	-55	1062.849
-65	794.014	-65	707.956
-75	383.975	-75	297.594
-85	12.279	-85	6.462
-90	2.699	-90	3.023

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CANDELA TABULATION

Max. Edge Candela = 182.72 Cd (10% of Max.)

Field Edge = 182.72 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	2.692	2.047	2.264	2.049	2.049	1.996	1.996	1.996	1.942	1.942
85.0	2.692	2.384	3.209	3.592	3.797	3.950	3.921	4.112	4.270	4.301
75.0	2.693	3.065	6.722	31.779	61.758	86.139	110.334	128.778	136.740	155.183
65.0	2.695	3.719	38.191	145.243	262.882 *	359.042 *	401.528 *	461.001 *	511.903 *	530.357 *
55.0	2.696	4.796	107.844	305.254 *	515.974 *	658.707 *	762.779 *	819.110 *	892.295 *	972.199 *
47.5	2.696	5.970	165.077	425.819 *	719.034 *	949.722 *	1047.920 *	1151.070 *	1263.502 *	1311.297 *
42.5	2.697	6.761	201.701 *	498.510 *	861.881 *	1044.395 *	1145.769 *	1306.094 *	1370.648 *	1416.084 *
37.5	2.697	7.550	234.091 *	582.829 *	933.679 *	1119.403 *	1238.413 *	1386.367 *	1447.319 *	1492.145 *
33.0	2.698	8.253	260.517 *	634.622 *	989.981 *	1176.037 *	1329.312 *	1446.136 *	1501.606 *	1551.082 *
29.0	2.698	8.865	285.791 *	669.556 *	1033.346 *	1215.652 *	1397.925 *	1484.270 *	1541.504 *	1584.437 *
25.5	2.698	9.386	306.052 *	699.907 *	1068.615 *	1244.143 *	1425.573 *	1512.029 *	1569.711 *	1607.027 *
22.5	2.698	9.818	321.927 *	716.127 *	1095.218 *	1286.595 *	1449.380 *	1530.788 *	1588.965 *	1627.699 *
19.5	2.699	10.234	336.330 *	734.476 *	1112.635 *	1317.053 *	1471.990 *	1548.496 *	1605.793 *	1644.066 *
17.0	2.699	10.564	346.790 *	748.644 *	1124.756 *	1333.579 *	1482.542 *	1560.940 *	1615.362 *	1655.715 *
15.0	2.699	10.817	354.257 *	759.092 *	1134.537 *	1354.086 *	1489.164 *	1569.379 *	1620.636 *	1664.892 *
13.0	2.699	11.059	360.948 *	768.692 *	1143.617 *	1373.198 *	1497.898 *	1575.571 *	1627.017 *	1670.526 *
11.0	2.699	11.558	366.839 *	777.386 *	1150.841 *	1390.640 *	1506.570 *	1582.394 *	1634.479 *	1675.225 *
9.0	2.699	11.688	371.908 *	783.346 *	1156.280 *	1405.379 *	1512.758 *	1588.935 *	1640.240 *	1675.393 *
7.0	2.699	11.818	376.133 *	787.845 *	1160.420 *	1418.069 *	1514.285 *	1593.068 *	1644.832 *	1680.615 *
5.0	2.699	11.950	382.361 *	791.090 *	1167.100 *	1428.673 *	1513.989 *	1593.136 *	1646.630 *	1686.313 *
3.0	2.699	12.081	383.006 *	794.375 *	1174.164 *	1441.287 *	1523.035 *	1594.658 *	1648.342 *	1691.541 *
1.0	2.699	12.213	383.652 *	794.134 *	1177.357 *	1443.612 *	1531.244 *	1599.033 *	1652.749 *	1691.544 *
0.0	2.699	12.279	383.975 *	794.014 *	1178.956 *	1444.776 *	1535.357 *	1600.520 *	1654.438 *	1690.800 *
-1.0	2.699	12.279	384.275 *	794.848 *	1179.559 *	1445.585 *	1536.744 *	1603.916 *	1657.010 *	1692.912 *
-3.0	2.699	12.262	384.875 *	796.513 *	1180.765 *	1447.202 *	1539.512 *	1609.275 *	1661.334 *	1696.650 *
-5.0	2.699	12.251	385.473 *	794.578 *	1178.046 *	1439.412 *	1537.751 *	1610.641 *	1661.946 *	1701.610 *
-7.0	2.699	12.240	380.374 *	792.625 *	1175.660 *	1432.143 *	1534.056 *	1608.638 *	1660.211 *	1696.460 *
-9.0	2.699	12.228	377.258 *	789.314 *	1172.929 *	1423.214 *	1528.786 *	1604.190 *	1653.436 *	1687.557 *
-11.0	2.699	12.217	373.221 *	784.464 *	1168.970 *	1413.568 *	1523.023 *	1599.381 *	1646.118 *	1682.567 *
-13.0	2.699	11.802	368.271 *	779.664 *	1163.689 *	1407.412 *	1516.468 *	1592.999 *	1637.675 *	1677.653 *
-15.0	2.699	11.658	362.414 *	773.046 *	1156.751 *	1403.627 *	1508.873 *	1583.930 *	1631.082 *	1672.336 *
-17.0	2.699	11.497	355.660 *	764.778 *	1147.224 *	1402.860 *	1500.132 *	1571.619 *	1624.652 *	1663.908 *
-19.5	2.699	11.271	345.802 *	752.044 *	1133.420 *	1375.947 *	1485.753 *	1558.862 *	1613.015 *	1654.855 *
-22.5	2.699	10.964	331.283 *	733.387 *	1111.158 *	1331.831 *	1467.231 *	1541.564 *	1596.085 *	1635.916 *
-25.5	2.699	10.620	314.928 *	715.244 *	1087.913 *	1297.226 *	1443.619 *	1518.645 *	1574.465 *	1610.968 *
-29.0	2.699	10.172	293.607 *	688.117 *	1059.748 *	1256.481 *	1409.643 *	1487.646 *	1544.273 *	1578.841 *
-33.0	2.698	9.602	266.412 *	655.725 *	1021.712 *	1191.589 *	1367.444 *	1441.790 *	1502.983 *	1537.841 *
-37.5	2.698	8.891	239.688 *	610.026 *	969.900 *	1135.924 *	1298.054 *	1385.138 *	1441.710 *	1475.665 *
-42.5	2.698	8.019	206.595 *	552.882 *	899.961 *	1059.625 *	1180.796 *	1300.285 *	1357.637 *	1395.125 *
-47.5	2.697	7.069	167.683	465.600 *	757.212 *	960.575 *	1043.992 *	1203.394 *	1251.133 *	1299.344 *
-55.0	2.697	5.511	110.552	301.772 *	517.935 *	699.719 *	764.454 *	844.107 *	930.390 *	966.987 *
-65.0	2.696	4.140	47.513	162.461	304.431 *	409.998 *	479.543 *	554.814 *	565.682 *	642.159 *
-75.0	2.695	3.582	11.702	43.401	90.009	141.516	161.591	184.448 *	215.315 *	246.785 *
-85.0	2.694	2.993	3.798	4.486	7.220	8.794	9.150	8.070	6.541	6.113
-90.0	2.693	2.694	2.910	3.127	3.128	3.128	3.235	3.183	3.173	3.237

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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	1.942	1.941	1.952	2.006	2.049	2.006	1.962	1.941	1.941	1.941
85.0	4.384	4.407	4.419	4.465	4.499	4.531	4.631	4.610	4.567	4.524
75.0	169.708	184.016 *	196.196 *	193.144 *	189.569 *	190.270 *	191.706 *	192.959 *	194.788 *	198.043 *
65.0	558.141 *	610.952 *	633.611 *	635.245 *	627.720 *	621.444 *	622.682 *	622.351 *	624.800 *	625.923 *
55.0	996.088 *	1018.022 *	1032.115 *	1036.513 *	1044.737 *	1054.419 *	1060.048 *	1062.094 *	1062.845 *	1062.753 *
47.5	1343.830 *	1365.105 *	1374.715 *	1393.763 *	1407.511 *	1416.515 *	1423.066 *	1416.203 *	1418.168 *	1430.709 *
42.5	1445.006 *	1470.262 *	1483.732 *	1494.178 *	1510.522 *	1520.716 *	1526.772 *	1532.955 *	1537.729 *	1539.426 *
37.5	1524.286 *	1548.694 *	1569.527 *	1582.369 *	1593.243 *	1603.234 *	1607.143 *	1610.021 *	1620.248 *	1624.077 *
33.0	1580.550 *	1601.919 *	1620.429 *	1631.795 *	1642.506 *	1654.190 *	1665.575 *	1667.712 *	1671.538 *	1674.850 *
29.0	1611.457 *	1632.005 *	1657.365 *	1672.276 *	1681.117 *	1689.510 *	1700.025 *	1706.962 *	1709.077 *	1706.847 *
25.5	1639.766 *	1662.646 *	1679.496 *	1700.447 *	1708.799 *	1716.159 *	1722.364 *	1726.359 *	1729.452 *	1730.236 *
22.5	1661.238 *	1684.498 *	1701.246 *	1715.413 *	1728.748 *	1735.092 *	1742.009 *	1745.888 *	1748.601 *	1750.596 *
19.5	1676.159 *	1698.416 *	1718.571 *	1734.332 *	1742.138 *	1751.544 *	1756.817 *	1759.720 *	1763.626 *	1770.405 *
17.0	1685.006 *	1709.558 *	1726.908 *	1747.154 *	1755.086 *	1760.276 *	1772.016 *	1770.960 *	1772.003 *	1779.429 *
15.0	1693.212 *	1714.869 *	1734.774 *	1749.144 *	1763.109 *	1767.567 *	1777.504 *	1782.668 *	1777.138 *	1784.376 *
13.0	1700.503 *	1718.516 *	1739.262 *	1754.217 *	1762.712 *	1776.360 *	1779.976 *	1788.671 *	1788.239 *	1788.174 *
11.0	1705.122 *	1722.459 *	1742.511 *	1757.576 *	1765.208 *	1774.019 *	1786.083 *	1790.501 *	1792.987 *	1792.466 *
9.0	1708.863 *	1730.429 *	1747.344 *	1759.942 *	1770.309 *	1776.136 *	1784.791 *	1790.560 *	1797.561 *	1795.334 *
7.0	1710.977 *	1733.626 *	1753.262 *	1763.942 *	1767.754 *	1778.066 *	1787.222 *	1791.595 *	1796.080 *	1802.572 *
5.0	1710.306 *	1732.218 *	1755.304 *	1765.594 *	1773.004 *	1780.775 *	1786.580 *	1794.446 *	1793.939 *	1801.726 *
3.0	1720.293 *	1738.563 *	1754.428 *	1764.665 *	1772.723 *	1779.967 *	1785.674 *	1793.386 *	1799.463 *	1798.918 *
1.0	1720.104 *	1743.669 *	1763.258 *	1776.691 *	1785.904 *	1790.135 *	1790.573 *	1793.685 *	1795.984 *	1796.739 *
0.0	1717.124 *	1742.370 *	1767.293 *	1784.526 *	1797.624 *	1812.789 *	1822.331 *	1826.811 *	1827.200 *	1824.874 *
-1.0	1719.591 *	1743.669 *	1768.569 *	1784.258 *	1795.054 *	1803.236 *	1807.066 *	1809.387 *	1811.371 *	1812.593 *
-3.0	1724.773 *	1748.187 *	1769.921 *	1780.133 *	1785.627 *	1790.988 *	1795.663 *	1799.799 *	1801.716 *	1806.328 *
-5.0	1730.004 *	1749.061 *	1764.562 *	1771.857 *	1779.506 *	1787.647 *	1795.581 *	1800.602 *	1793.477 *	1798.208 *
-7.0	1722.332 *	1742.184 *	1759.816 *	1770.261 *	1778.770 *	1786.998 *	1790.202 *	1790.725 *	1792.910 *	1799.440 *
-9.0	1717.141 *	1739.216 *	1758.409 *	1766.882 *	1773.160 *	1778.107 *	1781.601 *	1783.276 *	1791.414 *	1794.806 *
-11.0	1713.618 *	1738.500 *	1749.801 *	1759.665 *	1766.928 *	1770.143 *	1772.918 *	1779.621 *	1790.260 *	1790.714 *
-13.0	1709.582 *	1728.832 *	1744.167 *	1755.672 *	1759.911 *	1760.781 *	1767.751 *	1780.858 *	1786.673 *	1785.839 *
-15.0	1698.757 *	1720.713 *	1739.429 *	1749.183 *	1750.233 *	1757.249 *	1767.589 *	1776.848 *	1776.043 *	1779.518 *
-17.0	1688.779 *	1711.252 *	1730.612 *	1737.131 *	1745.705 *	1754.976 *	1765.265 *	1768.522 *	1769.218 *	1772.109 *
-19.5	1679.447 *	1703.122 *	1714.472 *	1726.050 *	1736.153 *	1746.552 *	1753.793 *	1755.451 *	1759.531 *	1762.216 *
-22.5	1666.279 *	1681.859 *	1696.734 *	1711.622 *	1717.678 *	1731.277 *	1735.525 *	1740.243 *	1745.049 *	1747.063 *
-25.5	1638.787 *	1656.429 *	1678.593 *	1688.323 *	1701.493 *	1710.144 *	1713.480 *	1721.277 *	1724.690 *	1725.614 *
-29.0	1601.951 *	1629.147 *	1646.501 *	1661.294 *	1672.680 *	1676.180 *	1684.221 *	1691.445 *	1696.573 *	1698.788 *
-33.0	1564.941 *	1584.848 *	1604.873 *	1622.722 *	1625.447 *	1633.488 *	1643.004 *	1644.552 *	1648.759 *	1652.366 *
-37.5	1504.218 *	1526.723 *	1545.924 *	1558.193 *	1566.307 *	1572.535 *	1581.330 *	1588.907 *	1593.727 *	1593.842 *
-42.5	1427.395 *	1448.758 *	1468.111 *	1479.957 *	1489.500 *	1498.871 *	1507.134 *	1513.965 *	1519.594 *	1520.349 *
-47.5	1336.005 *	1354.737 *	1366.945 *	1386.499 *	1400.594 *	1404.400 *	1407.630 *	1413.911 *	1417.594 *	1415.601 *
-55.0	996.518 *	1014.150 *	1029.018 *	1038.695 *	1042.535 *	1044.020 *	1049.002 *	1054.724 *	1059.638 *	1063.716 *
-65.0	667.221 *	653.339 *	687.141 *	710.538 *	726.040 *	738.471 *	746.736 *	753.306 *	746.174 *	736.139 *
-75.0	252.203 *	258.178 *	269.466 *	281.929 *	291.236 *	295.562 *	297.348 *	298.009 *	297.745 *	299.201 *
-85.0	6.321	6.459	6.568	6.573	6.568	6.592	6.677	6.635	6.549	6.463
-90.0	3.237	3.184	3.120	3.067	3.024	3.067	3.110	3.131	3.131	3.131

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	1.941	1.941	1.941	1.940	1.940	1.940	1.940	1.940	1.962	2.005
85.0	4.524	4.524	4.524	4.503	4.460	4.417	4.417	4.417	4.439	4.379
75.0	195.312 *	192.413 *	190.964 *	191.009 *	191.098 *	191.165 *	186.952 *	184.186 *	179.150 *	172.699 *
65.0	629.076 *	628.886 *	628.791 *	626.818 *	622.874 *	616.101 *	612.567 *	607.461 *	601.291 *	593.660 *

CANDELA TABULATION - (Cont.)

55.0	1062.995	*1058.160	*1055.741	*1055.872	*1056.135	*1051.724	*1047.894	*1040.918	*1030.570	*1019.689 *
47.5	1444.661	*1440.575	*1438.530	*1439.582	*1441.683	*1422.531	*1404.118	*1384.510	*1364.027	*1352.305 *
42.5	1539.908	*1532.713	*1529.111	*1531.311	*1535.704	*1532.257	*1528.119	*1519.357	*1508.782	*1498.399 *
37.5	1622.669	*1616.944	*1613.230	*1615.423	*1618.357	*1612.739	*1607.475	*1602.423	*1593.083	*1582.774 *
33.0	1680.290	*1686.248	*1688.882	*1685.397	*1677.614	*1668.754	*1665.547	*1660.904	*1649.628	*1640.682 *
29.0	1713.306	*1724.478	*1730.803	*1724.761	*1714.217	*1708.580	*1708.819	*1695.987	*1686.052	*1679.432 *
25.5	1734.079	*1740.923	*1744.546	*1741.026	*1735.565	*1733.374	*1731.011	*1718.825	*1714.170	*1702.999 *
22.5	1752.293	*1756.525	*1757.987	*1757.256	*1752.757	*1750.018	*1745.696	*1738.260	*1730.703	*1718.828 *
19.5	1768.151	*1768.610	*1767.164	*1770.166	*1769.030	*1768.491	*1762.330	*1754.311	*1747.388	*1730.487 *
17.0	1777.391	*1777.799	*1777.181	*1779.837	*1778.930	*1778.945	*1771.709	*1763.630	*1750.881	*1744.252 *
15.0	1783.509	*1784.969	*1785.883	*1786.797	*1786.851	*1785.672	*1775.734	*1768.484	*1759.981	*1751.615 *
13.0	1791.821	*1788.958	*1792.001	*1789.410	*1792.407	*1788.960	*1779.863	*1771.765	*1769.584	*1754.269 *
11.0	1800.207	*1792.075	*1797.990	*1790.796	*1797.838	*1788.054	*1783.482	*1782.211	*1770.159	*1756.164 *
9.0	1799.057	*1795.411	*1802.340	*1793.466	*1798.308	*1795.603	*1789.449	*1782.790	*1767.600	*1764.671 *
7.0	1797.864	*1797.532	*1804.214	*1797.925	*1799.944	*1792.345	*1792.621	*1779.916	*1778.411	*1767.648 *
5.0	1798.898	*1799.544	*1803.439	*1804.343	*1803.212	*1799.062	*1790.128	*1786.656	*1776.157	*1768.182 *
3.0	1803.445	*1801.246	*1798.357	*1804.720	*1801.589	*1797.438	*1790.779	*1784.499	*1780.391	*1772.907 *
1.0	1794.743	*1800.718	*1797.897	*1799.986	*1804.203	*1801.338	*1794.569	*1787.082	*1779.893	*1771.184 *
0.0	1817.549	*1805.349	*1798.437	*1799.059	*1798.399	*1792.023	*1784.354	*1774.294	*1765.979	*1759.517 *
-1.0	1806.293	*1799.197	*1790.443	*1797.246	*1790.342	*1788.308	*1781.801	*1773.729	*1764.856	*1757.293 *
-3.0	1799.140	*1803.088	*1778.085	*1797.791	*1791.978	*1782.686	*1778.361	*1773.808	*1765.995	*1757.225 *
-5.0	1800.869	*1805.458	*1776.620	*1796.495	*1789.066	*1785.328	*1783.664	*1769.600	*1763.834	*1750.395 *
-7.0	1801.584	*1801.144	*1775.930	*1795.781	*1790.672	*1781.397	*1779.463	*1772.666	*1763.375	*1751.719 *
-9.0	1795.790	*1795.631	*1773.690	*1791.507	*1784.459	*1783.383	*1772.522	*1769.558	*1757.672	*1751.535 *
-11.0	1786.145	*1791.340	*1771.364	*1787.283	*1776.770	*1778.708	*1765.878	*1763.854	*1758.403	*1742.069 *
-13.0	1784.211	*1784.775	*1769.167	*1781.463	*1776.182	*1770.443	*1766.577	*1750.101	*1751.015	*1742.937 *
-15.0	1780.859	*1777.536	*1766.065	*1774.460	*1774.344	*1762.395	*1760.992	*1752.625	*1739.212	*1733.934 *
-17.0	1774.040	*1772.938	*1767.185	*1767.708	*1769.198	*1754.923	*1752.591	*1747.325	*1733.081	*1721.781 *
-19.5	1763.757	*1765.863	*1766.345	*1760.978	*1756.656	*1746.937	*1740.472	*1733.139	*1726.402	*1713.650 *
-22.5	1747.267	*1750.384	*1753.140	*1749.090	*1740.677	*1733.686	*1725.412	*1714.593	*1708.301	*1702.480 *
-25.5	1723.936	*1727.163	*1730.629	*1728.789	*1721.339	*1711.998	*1706.613	*1696.909	*1687.174	*1678.431 *
-29.0	1693.401	*1696.523	*1699.654	*1699.061	*1694.593	*1683.290	*1675.927	*1667.374	*1658.966	*1650.449 *
-33.0	1650.690	*1654.410	*1656.269	*1654.704	*1650.186	*1642.214	*1633.043	*1623.881	*1615.400	*1607.437 *
-37.5	1590.908	*1591.250	*1590.719	*1590.825	*1589.386	*1583.169	*1576.225	*1567.649	*1557.542	*1546.891 *
-42.5	1520.804	*1516.220	*1513.924	*1512.904	*1510.867	*1503.327	*1496.003	*1487.947	*1478.291	*1465.528 *
-47.5	1415.398	*1411.721	*1409.880	*1407.309	*1402.172	*1395.755	*1392.018	*1387.110	*1380.236	*1368.254 *
-55.0	1066.555	*1064.085	*1062.849	*1060.719	*1056.461	*1049.725	*1045.010	*1039.363	*1031.960	*1022.899 *
-65.0	727.703 *	714.539 *	707.956 *	711.592 *	718.863 *	721.887 *	728.189 *	731.368 *	718.795 *	703.534 *
-75.0	298.397 *	297.862 *	297.594 *	295.498 *	291.305 *	287.654 *	284.789 *	283.501 *	278.319 *	270.779 *
-85.0	6.462	6.462	6.462	6.527	6.657	6.786	6.655	6.525	6.462	6.376
-90.0	3.088	3.045	3.023	3.045	3.088	3.131	3.045	2.959	2.916	2.915

**Vert.
Angles**

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	2.048	2.047	2.047	2.047	2.048	2.047	2.047	2.102	2.156	2.156
85.0	4.383	4.301	4.191	4.160	4.102	3.855	3.681	3.519	3.351	3.207
75.0	165.450	156.894	145.416	132.908	125.137	119.230	103.882	82.373	64.476	39.374
65.0	582.290 *	568.510 *	552.668 *	535.663 *	508.829 *	463.937 *	419.287 *	378.982 *	315.682 *	252.844 *
55.0	1008.845	*997.211 *	*984.482 *	*959.842 *	*928.371 *	*885.727 *	*822.554 *	*724.652 *	*650.988 *	*533.029 *
47.5	1345.196	*1341.246	*1315.642	*1268.331	*1257.157	*1188.732	*1139.830	*1042.096	*894.918 *	*781.186 *
42.5	1487.960	*1475.480	*1452.740	*1426.147	*1399.784	*1354.521	*1300.214	*1217.919	*1052.397	*937.954 *
37.5	1571.662	*1557.560	*1539.662	*1510.958	*1481.795	*1444.124	*1388.105	*1312.779	*1156.540	*1030.745 *
33.0	1629.903	*1616.972	*1596.741	*1569.310	*1539.869	*1501.966	*1441.921	*1373.017	*1256.937	*1086.286 *
29.0	1668.497	*1654.056	*1635.103	*1608.322	*1581.495	*1540.115	*1485.665	*1418.369	*1327.567	*1133.844 *
25.5	1691.875	*1677.190	*1659.593	*1637.654	*1605.726	*1565.099	*1514.716	*1447.782	*1353.419	*1170.311 *

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

22.5	1708.211	*1699.505	*1681.888	*1655.744	*1622.348	*1585.822	*1535.130	*1469.888	*1377.141	*1203.735 *
19.5	1726.644	*1712.669	*1695.102	*1672.294	*1640.831	*1604.596	*1554.520	*1488.043	*1399.432	*1222.469 *
17.0	1733.314	*1718.427	*1704.289	*1679.241	*1653.612	*1615.024	*1564.916	*1498.319	*1416.138	*1234.854 *
15.0	1737.098	*1728.885	*1709.547	*1683.197	*1658.566	*1618.319	*1573.966	*1506.771	*1425.382	*1260.332 *
13.0	1745.661	*1733.963	*1715.446	*1690.687	*1665.676	*1627.284	*1583.275	*1515.294	*1434.483	*1283.073 *
11.0	1750.248	*1738.663	*1721.063	*1701.903	*1670.406	*1634.481	*1588.461	*1522.698	*1443.292	*1302.622 *
9.0	1752.973	*1742.718	*1724.744	*1700.924	*1674.609	*1641.177	*1593.507	*1528.173	*1450.622	*1311.401 *
7.0	1757.609	*1744.765	*1727.027	*1707.247	*1681.289	*1648.311	*1599.430	*1534.171	*1455.824	*1313.824 *
5.0	1760.054	*1750.967	*1736.179	*1714.412	*1689.156	*1651.232	*1603.987	*1542.895	*1460.143	*1313.427 *
3.0	1764.211	*1755.269	*1736.894	*1708.974	*1677.925	*1644.517	*1605.385	*1549.286	*1467.292	*1321.138 *
1.0	1762.065	*1749.355	*1728.919	*1700.088	*1671.330	*1640.226	*1606.726	*1552.663	*1469.872	*1320.271 *
0.0	1750.987	*1740.647	*1723.931	*1696.918	*1669.452	*1637.851	*1606.962	*1553.561	*1471.165	*1319.837 *
-1.0	1749.461	*1741.960	*1727.943	*1702.635	*1673.195	*1638.502	*1602.741	*1549.323	*1466.394	*1317.508 *
-3.0	1748.641	*1740.194	*1723.944	*1701.544	*1674.192	*1638.037	*1593.331	*1539.247	*1456.870	*1312.858 *
-5.0	1739.974	*1730.609	*1715.549	*1692.702	*1663.218	*1632.352	*1585.773	*1529.928	*1444.768	*1300.199 *
-7.0	1741.363	*1728.724	*1712.657	*1690.683	*1662.729	*1629.372	*1579.123	*1521.254	*1442.527	*1299.090 *
-9.0	1737.790	*1725.907	*1707.908	*1685.268	*1657.837	*1625.438	*1577.974	*1515.592	*1438.986	*1296.730 *
-11.0	1735.131	*1723.520	*1708.189	*1680.921	*1651.994	*1618.022	*1573.155	*1511.318	*1431.354	*1289.096 *
-13.0	1729.643	*1716.352	*1701.472	*1678.238	*1645.542	*1610.238	*1564.558	*1504.068	*1421.943	*1271.277 *
-15.0	1725.720	*1711.491	*1690.986	*1669.595	*1642.913	*1600.442	*1555.500	*1493.447	*1412.167	*1249.578 *
-17.0	1713.510	*1704.201	*1685.301	*1660.153	*1636.682	*1598.123	*1545.294	*1482.586	*1402.716	*1223.830 *
-19.5	1698.412	*1688.321	*1673.208	*1653.043	*1621.475	*1587.494	*1533.881	*1471.984	*1387.118	*1201.595 *
-22.5	1694.069	*1674.275	*1655.399	*1634.587	*1605.973	*1567.188	*1517.481	*1454.254	*1367.282	*1181.005 *
-25.5	1669.617	*1659.852	*1635.767	*1611.613	*1583.968	*1544.883	*1494.770	*1433.266	*1336.858	*1158.464 *
-29.0	1636.524	*1625.725	*1606.865	*1577.368	*1547.452	*1512.909	*1463.204	*1399.154	*1297.739	*1125.290 *
-33.0	1596.498	*1582.681	*1565.239	*1540.411	*1508.760	*1465.996	*1419.311	*1354.890	*1212.628	*1083.489 *
-37.5	1535.834	*1521.718	*1499.852	*1479.942	*1449.993	*1409.084	*1355.289	*1289.737	*1145.623	*1034.521 *
-42.5	1453.066	*1439.222	*1420.743	*1397.330	*1367.413	*1327.205	*1277.054	*1190.541	*1052.069	*952.527 *
-47.5	1355.069	*1341.022	*1321.820	*1297.952	*1268.418	*1226.209	*1169.108	*1058.893	*946.016 *	853.708 *
-55.0	1013.554	*1002.697	*983.745 *	960.396 *	938.184 *	896.739 *	820.549 *	747.565 *	675.864 *	577.065 *
-65.0	686.897 *	668.584 *	642.814 *	609.206 *	591.109 *	553.120 *	501.623 *	476.001 *	379.400 *	326.330 *
-75.0	261.081 *	246.950 *	229.434 *	220.365 *	209.291 *	186.606 *	170.091	142.932	113.174	91.461
-85.0	6.344	6.307	6.253	6.136	6.008	5.856	5.591	5.386	5.797	5.670
-90.0	2.915	2.915	2.915	2.807	2.711	2.785	2.678	2.592	2.537	2.482

**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	2.263	2.156	2.263	2.262	2.262
85.0	2.856	2.881	2.598	2.468	2.262
75.0	26.666	10.495	3.968	2.874	2.263
65.0	165.884	68.060	13.209	3.262	2.264
55.0	383.231 *	190.847 *	45.231	3.667	2.265
47.5	564.319 *	290.729 *	80.753	3.975	2.265
42.5	702.701 *	379.909 *	110.154	4.161	2.266
37.5	822.343 *	471.044 *	138.002	4.330	2.266
33.0	891.580 *	523.434 *	160.116	4.467	2.266
29.0	937.966 *	558.901 *	181.596	4.576	2.266
25.5	969.651 *	591.659 *	197.937 *	4.660	2.266
22.5	991.840 *	607.232 *	210.112 *	4.725	2.266
19.5	1014.546 *	623.696 *	220.597 *	4.781	2.266
17.0	1030.463 *	636.990 *	228.891 *	4.823	2.267
15.0	1041.191 *	647.171 *	234.972 *	4.852	2.267
13.0	1051.336 *	656.833 *	240.431 *	4.877	2.267
11.0	1060.691 *	666.064 *	245.259 *	4.955	2.267
9.0	1068.935 *	673.175 *	249.446 *	4.955	2.267

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

7.0	1075.813	*679.169	* 252.981	* 4.955	2.267
5.0	1079.660	*683.936	* 257.979	* 4.955	2.267
3.0	1083.689	*688.808	* 258.831	* 4.955	2.267
1.0	1082.936	*690.012	* 259.685	* 4.955	2.267
0.0	1082.559	*690.615	* 260.112	* 4.955	2.267
-1.0	1081.277	*689.932	* 260.031	* 4.963	2.267
-3.0	1078.716	*688.567	* 259.870	* 4.978	2.267
-5.0	1071.467	*683.680	* 259.708	* 4.993	2.267
-7.0	1064.481	*679.004	* 255.340	* 5.008	2.267
-9.0	1061.332	*673.295	* 252.423	* 5.023	2.267
-11.0	1057.179	*666.674	* 248.815	* 5.037	2.267
-13.0	1051.510	*659.810	* 244.515	* 4.976	2.267
-15.0	1043.694	*651.820	* 239.527	* 4.966	2.267
-17.0	1032.199	*642.706	* 233.854	* 4.952	2.267
-19.5	1016.433	*629.738	* 225.902	* 4.930	2.267
-22.5	993.479	* 612.178	* 215.695	* 4.896	2.267
-25.5	968.543	* 597.865	* 204.342	* 4.855	2.267
-29.0	935.481	* 567.551	* 189.746	* 4.798	2.266
-33.0	894.392	* 535.491	* 171.426	4.722	2.266
-37.5	830.971	* 488.939	* 152.425	4.621	2.266
-42.5	703.828	* 415.210	* 128.496	4.491	2.266
-47.5	621.231	* 345.966	* 99.978	4.345	2.266
-55.0	433.711	* 240.334	* 60.164	4.096	2.265
-65.0	224.023	* 99.891	20.748	3.721	2.265
-75.0	55.892	19.936	5.179	3.295	2.264
-85.0	4.821	3.932	3.365	2.830	2.263
-90.0	2.590	2.480	2.588	2.586	2.263

IES FLOOD REPORT
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LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 2836.43

Total Field Lumens (one side of beam only) = 2792.08

* 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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
75	0.30	0.60	0.60	0.60	0.59	0.57	0.56	0.54	0.53	0.64
65	1.25 *	2.49 *	2.48 *	2.46 *	2.43 *	2.40 *	2.36 *	2.32 *	2.28 *	2.79 *
55	2.57 *	5.13 *	5.11 *	5.08 *	5.04 *	4.99 *	4.92 *	4.84 *	4.76 *	5.82 *
47.5	2.85 *	5.71 *	5.68 *	5.62 *	5.56 *	5.50 *	5.43 *	5.35 *	5.26 *	6.42 *
42.5	2.26 *	4.53 *	4.51 *	4.47 *	4.43 *	4.38 *	4.32 *	4.26 *	4.19 *	5.12 *
37.5	2.40 *	4.80 *	4.80 *	4.77 *	4.74 *	4.69 *	4.63 *	4.57 *	4.49 *	5.49 *
33	2.26 *	4.52 *	4.51 *	4.48 *	4.45 *	4.41 *	4.36 *	4.30 *	4.22 *	5.17 *
29	2.08 *	4.14 *	4.12 *	4.09 *	4.07 *	4.03 *	3.98 *	3.93 *	3.86 *	4.73 *
25.5	1.85 *	3.68 *	3.66 *	3.65 *	3.62 *	3.59 *	3.55 *	3.50 *	3.45 *	4.22 *
22.5	1.60 *	3.19 *	3.18 *	3.16 *	3.14 *	3.11 *	3.08 *	3.04 *	2.99 *	3.67 *
19.5	1.61 *	3.22 *	3.21 *	3.19 *	3.17 *	3.14 *	3.11 *	3.07 *	3.02 *	3.70 *
17	1.35 *	2.70 *	2.70 *	2.68 *	2.66 *	2.64 *	2.61 *	2.58 *	2.54 *	3.11 *
15	1.09 *	2.17 *	2.17 *	2.15 *	2.14 *	2.12 *	2.10 *	2.07 *	2.04 *	2.50 *
13	1.09 *	2.18 *	2.17 *	2.16 *	2.15 *	2.13 *	2.11 *	2.08 *	2.05 *	2.51 *
11	1.09 *	2.18 *	2.18 *	2.17 *	2.15 *	2.14 *	2.11 *	2.08 *	2.05 *	2.51 *
9	1.09 *	2.19 *	2.18 *	2.17 *	2.16 *	2.14 *	2.11 *	2.09 *	2.06 *	2.52 *
7	1.10 *	2.19 *	2.18 *	2.18 *	2.16 *	2.14 *	2.12 *	2.09 *	2.06 *	2.52 *
5	1.10 *	2.19 *	2.19 *	2.18 *	2.16 *	2.14 *	2.12 *	2.09 *	2.06 *	2.53 *
3	1.10 *	2.19 *	2.19 *	2.18 *	2.16 *	2.14 *	2.12 *	2.09 *	2.07 *	2.53 *
1	1.10 *	2.19 *	2.19 *	2.18 *	2.16 *	2.14 *	2.12 *	2.10 *	2.07 *	2.54 *
0	0.55 *	1.10 *	1.10 *	1.09 *	1.08 *	1.08 *	1.06 *	1.05 *	1.04 *	1.27 *
-1	0.55 *	1.10 *	1.10 *	1.09 *	1.09 *	1.08 *	1.06 *	1.05 *	1.04 *	1.27 *
-3	1.09 *	2.19 *	2.18 *	2.18 *	2.16 *	2.14 *	2.12 *	2.10 *	2.07 *	2.54 *
	1.09 *	2.19 *	2.18 *	2.17 *	2.16 *	2.14 *	2.12 *	2.09 *	2.06 *	2.53 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-5	1.09 *	2.19 *	2.18 *	2.17 *	2.15 *	2.14 *	2.11 *	2.09 *	2.06 *	2.52 *
-7	1.09 *	2.19 *	2.18 *	2.17 *	2.15 *	2.13 *	2.11 *	2.08 *	2.05 *	2.52 *
-9	1.09 *	2.18 *	2.17 *	2.16 *	2.14 *	2.12 *	2.10 *	2.08 *	2.05 *	2.51 *
-11	1.08 *	2.17 *	2.16 *	2.16 *	2.14 *	2.12 *	2.10 *	2.07 *	2.04 *	2.51 *
-13	1.08 *	2.17 *	2.16 *	2.15 *	2.13 *	2.11 *	2.09 *	2.06 *	2.03 *	2.50 *
-15	1.08 *	2.16 *	2.15 *	2.14 *	2.13 *	2.11 *	2.08 *	2.05 *	2.03 *	2.49 *
-17	1.35 *	2.69 *	2.68 *	2.66 *	2.64 *	2.62 *	2.59 *	2.55 *	2.52 *	3.09 *
-19.5	1.61 *	3.20 *	3.19 *	3.17 *	3.15 *	3.12 *	3.09 *	3.05 *	3.00 *	3.67 *
-22.5	1.59 *	3.17 *	3.16 *	3.14 *	3.12 *	3.09 *	3.05 *	3.02 *	2.97 *	3.63 *
-25.5	1.83 *	3.65 *	3.63 *	3.61 *	3.58 *	3.55 *	3.51 *	3.46 *	3.41 *	4.18 *
-29	2.04 *	4.08 *	4.06 *	4.04 *	4.01 *	3.97 *	3.92 *	3.87 *	3.81 *	4.67 *
-33	2.22 *	4.44 *	4.43 *	4.40 *	4.37 *	4.33 *	4.28 *	4.22 *	4.15 *	5.09 *
-37.5	2.36 *	4.73 *	4.71 *	4.69 *	4.65 *	4.61 *	4.55 *	4.48 *	4.41 *	5.39 *
-42.5	2.23 *	4.45 *	4.44 *	4.42 *	4.38 *	4.34 *	4.29 *	4.22 *	4.15 *	5.07 *
-47.5	2.82 *	5.64 *	5.62 *	5.59 *	5.55 *	5.49 *	5.42 *	5.35 *	5.26 *	6.42 *
-55	2.70 *	5.42 *	5.42 *	5.42 *	5.40 *	5.34 *	5.26 *	5.16 *	5.04 *	6.11 *
-65	1.53 *	3.09 *	3.10 *	3.11 *	3.11 *	3.08 *	3.02 *	2.94 *	2.84 *	3.38 *
-75	0.46	0.92	0.91	0.91	0.90	0.89	0.87	0.85	0.81	0.95
-85	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
-90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Total	63.67	127.32	126.94	126.27	125.36	124.15	122.64	120.89	118.90	145.39

Vert. Angles **Horizontal Angles**

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.01
85	0.72	0.66	0.69	0.69	0.65	0.58	0.42	0.41	0.27	0.08
75	3.19 *	2.95 *	3.12 *	3.19 *	3.11 *	2.83 *	2.19	2.24	1.47	0.41
65	6.75 *	6.38 *	6.92 *	7.18 *	7.04 *	6.58 *	5.30 *	5.59 *	3.87 *	1.19
55	7.45 *	7.15 *	7.89 *	8.30 *	8.24 *	7.76 *	6.34 *	6.84 *	4.84 *	1.57
47.5	5.95 *	5.73 *	6.35 *	6.75 *	6.85 *	6.46 *	5.29 *	5.86 *	4.22 *	1.40 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

42.5	6.40 *	6.16 *	6.85 *	7.32 *	7.50 *	7.16 *	5.87 *	6.66 *	4.99 *	1.70 *
37.5	6.03 *	5.80 *	6.46 *	6.91 *	7.11 *	6.89 *	5.69 *	6.47 *	5.01 *	1.76 *
33	5.51 *	5.31 *	5.92 *	6.34 *	6.54 *	6.43 *	5.34 *	6.05 *	4.75 *	1.70 *
29	4.92 *	4.74 *	5.28 *	5.67 *	5.86 *	5.80 *	4.84 *	5.49 *	4.35 *	1.59 *
25.5	4.27 *	4.12 *	4.59 *	4.93 *	5.11 *	5.06 *	4.24 *	4.84 *	3.84 *	1.42 *
22.5	4.32 *	4.17 *	4.64 *	4.99 *	5.17 *	5.13 *	4.33 *	4.95 *	3.93 *	1.47 *
19.5	3.63 *	3.50 *	3.90 *	4.20 *	4.35 *	4.33 *	3.66 *	4.19 *	3.34 *	1.26 *
17	2.91 *	2.81 *	3.14 *	3.38 *	3.50 *	3.48 *	2.96 *	3.40 *	2.71 *	1.03 *
15	2.92 *	2.82 *	3.15 *	3.39 *	3.52 *	3.50 *	2.99 *	3.44 *	2.74 *	1.05 *
13	2.93 *	2.83 *	3.16 *	3.40 *	3.53 *	3.52 *	3.02 *	3.49 *	2.77 *	1.06 *
11	2.94 *	2.84 *	3.17 *	3.42 *	3.55 *	3.54 *	3.05 *	3.52 *	2.79 *	1.08 *
9	2.95 *	2.85 *	3.18 *	3.43 *	3.56 *	3.55 *	3.06 *	3.54 *	2.81 *	1.09 *
7	2.96 *	2.85 *	3.19 *	3.44 *	3.57 *	3.56 *	3.07 *	3.56 *	2.82 *	1.10 *
5	2.96 *	2.86 *	3.19 *	3.44 *	3.58 *	3.57 *	3.09 *	3.58 *	2.84 *	1.10 *
3	2.96 *	2.86 *	3.19 *	3.44 *	3.58 *	3.58 *	3.10 *	3.59 *	2.85 *	1.11 *
1	1.48 *	1.43 *	1.59 *	1.72 *	1.79 *	1.80 *	1.55 *	1.80 *	1.42 *	0.55 *
0	1.48 *	1.43 *	1.59 *	1.72 *	1.79 *	1.80 *	1.55 *	1.80 *	1.42 *	0.55 *
-1	2.96 *	2.86 *	3.19 *	3.44 *	3.59 *	3.59 *	3.10 *	3.59 *	2.85 *	1.11 *
-3	2.96 *	2.86 *	3.19 *	3.44 *	3.58 *	3.58 *	3.09 *	3.58 *	2.84 *	1.11 *
-5	2.95 *	2.85 *	3.18 *	3.43 *	3.57 *	3.57 *	3.08 *	3.56 *	2.83 *	1.10 *
-7	2.94 *	2.84 *	3.17 *	3.42 *	3.56 *	3.56 *	3.07 *	3.55 *	2.82 *	1.09 *
-9	2.94 *	2.83 *	3.16 *	3.41 *	3.55 *	3.54 *	3.05 *	3.53 *	2.80 *	1.08 *
-11	2.93 *	2.83 *	3.15 *	3.40 *	3.53 *	3.53 *	3.03 *	3.51 *	2.79 *	1.07 *
-13	2.92 *	2.82 *	3.14 *	3.38 *	3.52 *	3.51 *	3.01 *	3.48 *	2.77 *	1.06 *
-15	2.90 *	2.80 *	3.13 *	3.37 *	3.49 *	3.49 *	2.99 *	3.45 *	2.74 *	1.05 *
-17	3.61 *	3.48 *	3.89 *	4.18 *	4.34 *	4.32 *	3.69 *	4.26 *	3.38 *	1.28 *
-19.5	4.29 *	4.15 *	4.63 *	4.98 *	5.16 *	5.13 *	4.36 *	5.01 *	3.98 *	1.50 *
-22.5	4.24 *	4.09 *	4.57 *	4.91 *	5.09 *	5.06 *	4.27 *	4.89 *	3.89 *	1.45 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-25.5	4.87 *	4.69 *	5.23 *	5.63 *	5.83 *	5.78 *	4.86 *	5.56 *	4.41 *	1.63 *
-29	5.44 *	5.24 *	5.84 *	6.28 *	6.50 *	6.40 *	5.35 *	6.12 *	4.84 *	1.75 *
-33	5.93 *	5.71 *	6.35 *	6.82 *	7.04 *	6.89 *	5.73 *	6.56 *	5.14 *	1.83 *
-37.5	6.28 *	6.05 *	6.73 *	7.20 *	7.41 *	7.17 *	5.96 *	6.78 *	5.20 *	1.82 *
-42.5	5.91 *	5.69 *	6.31 *	6.72 *	6.86 *	6.54 *	5.42 *	6.08 *	4.53 *	1.55 *
-47.5	7.46 *	7.17 *	7.93 *	8.38 *	8.42 *	7.97 *	6.58 *	7.26 *	5.25 *	1.75 *
-55	7.02 *	6.71 *	7.41 *	7.67 *	7.61 *	7.18 *	5.80 *	6.24 *	4.34 *	1.36
-65	3.81 *	3.61 *	3.97 *	4.02 *	3.93 *	3.63 *	2.83 *	2.94	1.90	0.53
-75	1.07	1.01	1.09	1.10	1.03	0.92	0.72	0.72	0.44	0.12
-85	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02
-90										
Total	169.06	162.56	180.45	192.46	197.18	192.30	161.02	182.00	139.86	50.56

Vert.	Horizontal Angles			
Angles	75	85	90	Total
90	0.01	0.00		0.26
85	0.02	0.00		10.74
75	0.05	0.00		48.03
65	0.15	0.00		105.19
55	0.21	0.00		119.98
47.5	0.19	0.00		97.53
42.5	0.23	0.00		106.21
37.5	0.24	0.00		101.04
33	0.24	0.00		93.18
29	0.23	0.00		83.53
25.5	0.21	0.00		72.81
22.5	0.22	0.00		73.79
19.5	0.19	0.00		62.11
17	0.16	0.00		50.02
15	0.16	0.00		50.30

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

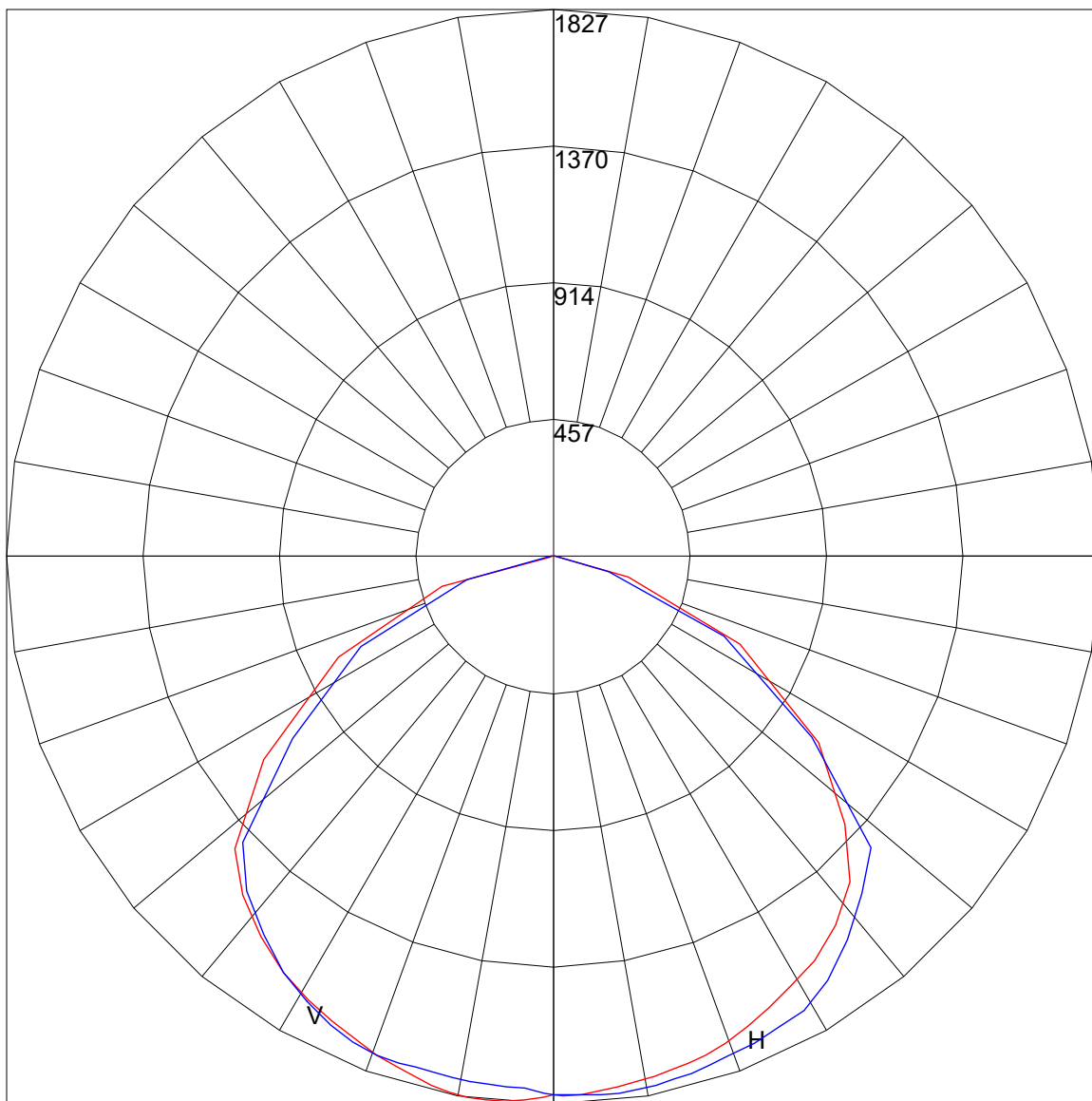
13	0.16	0.00	50.56
11	0.17	0.00	50.76
9	0.17	0.00	50.91
7	0.17	0.00	51.04
5	0.17	0.00	51.15
3	0.17	0.00	51.21
1	0.09	0.00	25.63
0	0.09	0.00	25.64
-1	0.17	0.00	51.21
-3	0.17	0.00	51.11
-5	0.17	0.00	50.98
-7	0.17	0.00	50.85
-9	0.17	0.00	50.69
-11	0.17	0.00	50.49
-13	0.16	0.00	50.25
-15	0.16	0.00	49.98
-17	0.20	0.00	62.03
-19.5	0.23	0.00	73.65
-22.5	0.22	0.00	72.62
-25.5	0.24	0.00	83.14
-29	0.25	0.00	92.48
-33	0.25	0.00	100.18
-37.5	0.25	0.00	105.45
-42.5	0.21	0.00	97.80
-47.5	0.23	0.00	121.58
-55	0.17	0.00	112.78
-65	0.07	0.00	60.43
-75	0.02	0.00	16.72

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

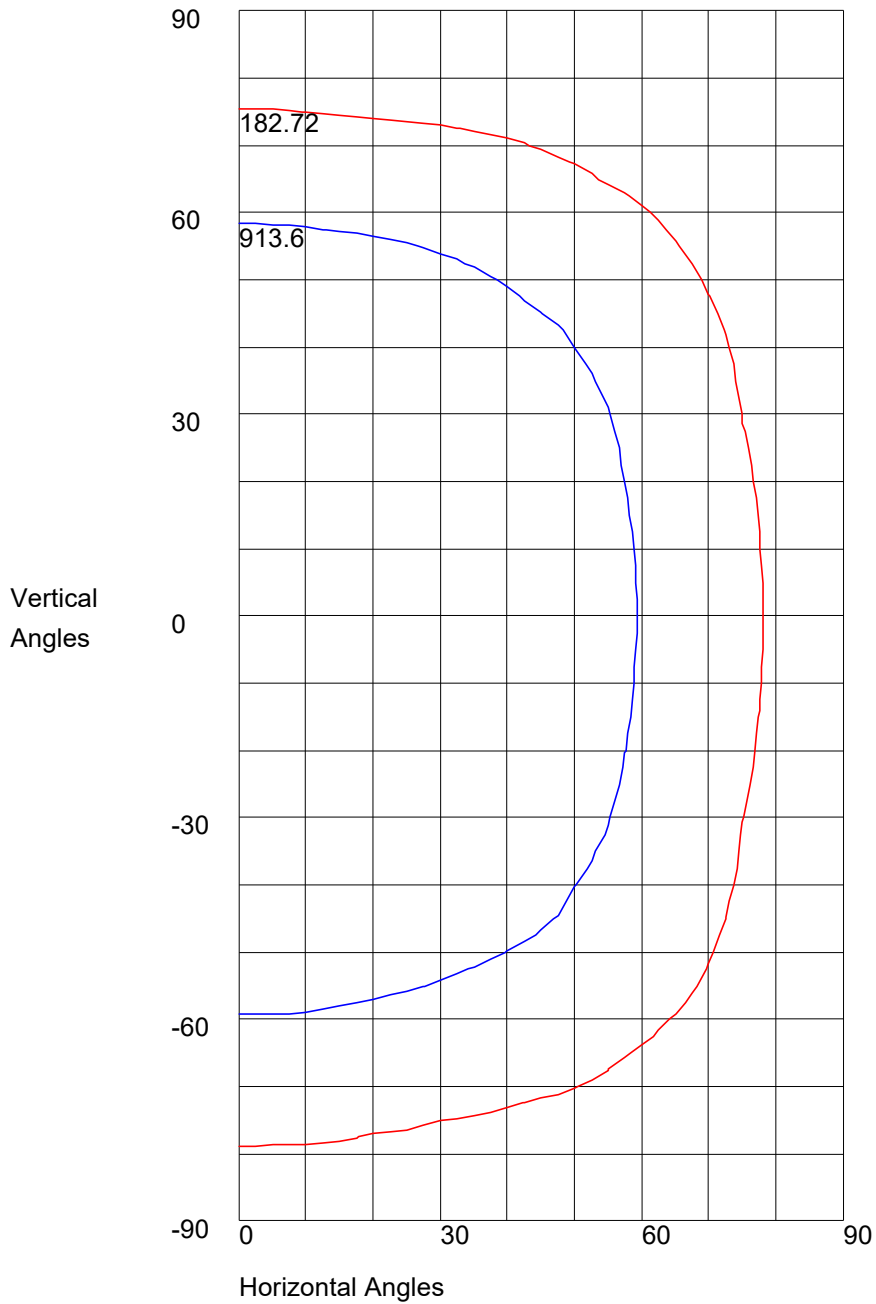
-85	0.01	0.00	0.40
-90			
Total	7.40	0.05	2836.43

AXIAL CANDELA DISPLAY



Maximum Candela = 1827.2 Located At Horizontal Angle = -7, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1827.2 Located At Horizontal Angle = -7, Vertical Angle = 0
50% Maximum Candela = 913.6
10% Maximum Candela = 182.72