



IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]
 [TESTLAB] Dongguan New Testing Centre Co., Ltd
 [TESTDATE] 05 May 2017
 [ISSUEDATE] 2017-05-12 17:20:35
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [OTHER] EVERFINE GO-R5000_V2 SYSTEM
 [MANUFAC] MOBERN LIGHTING CO.
 [LUMCAT] MIMDCOWPKSR-LED45DMVBZ50
 [BALLAST] 120-277V,60Hz
 [OTHER]

[OTHER] Gamma(deg)	Fz(lm)	Ft(lm)	%Lum	%Lamp
[OTHER] 0- 10	173.10	173.10	3.56	3.56
[OTHER] 10- 20	488.20	661.30	13.59	13.59
[OTHER] 20- 30	711.92	1373.22	28.22	28.22
[OTHER] 30- 40	857.29	2230.50	45.83	45.83
[OTHER] 40- 50	916.39	3146.89	64.66	64.66
[OTHER] 50- 60	844.08	3990.97	82.00	82.00
[OTHER] 60- 70	617.27	4608.24	94.69	94.69
[OTHER] 70- 80	231.15	4839.39	99.44	99.44
[OTHER] 80- 90	16.00	4855.40	99.77	99.77
[OTHER] 90-100	1.11	4856.51	99.79	99.79
[OTHER] 100-110	1.36	4857.87	99.82	99.82
[OTHER] 110-120	1.72	4859.60	99.85	99.85
[OTHER] 120-130	1.78	4861.38	99.89	99.89
[OTHER] 130-140	1.66	4863.04	99.92	99.92
[OTHER] 140-150	1.47	4864.51	99.95	99.95
[OTHER] 150-160	1.19	4865.70	99.98	99.98
[OTHER] 160-170	0.78	4866.48	99.99	99.99
[OTHER] 170-180	0.28	4866.76	100.00	100.00
[OTHER]				

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

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CHARACTERISTICS

NEMA Type	7 H x 6 V
Maximum Candela	1944.644
Maximum Candela Angle	7H 13V
Horizontal Beam Angle (50%)	124.5
Vertical Beam Angle (50%)	82.9
Horizontal Field Angle (10%)	160.5
Vertical Field Angle (10%)	127.5
Lumens Per Lamp	4866.8 (1 lamp)
Total Lamp Lumens	4866.8
Beam Lumens	3610
Beam Efficiency	74 %
Field Lumens	4748
Field Efficiency	98 %
Spill Lumens	107
Luminaire Lumens	4855
Total Efficiency	100 %
Total Luminaire Watts	45.3
Ballast Factor	0.99

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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	1.16	90	.771
85	2.79	85	1.86
75	379.79	75	56.32
65	855.59	65	521
55	1115.81	55	1121.47
47.5	1277.195	47.5	1485.82
42.5	1362.415	42.5	1623.03
37.5	1489.59	37.5	1724.335
33	1581.31	33	1797.69
29	1640.86	29	1844.27
25.5	1668.75	25.5	1883.925
22.5	1696.315	22.5	1908.565
19.5	1734.955	19.5	1923.8
17	1763.3	17	1931.33
15	1780.88	15	1936.29
13	1803.31	13	1930.51
11	1816.76	11	1931.35
9	1821.21	9	1932.34
7	1828.5	7	1920.68
5	1824.38	5	1896.86
3	1826.76	3	1868.75
1	1838.7	1	1843.4
0	1831.838	0	1831.838
-1	1839.66	-1	1810.14
-3	1844.51	-3	1777.12
-5	1845.21	-5	1739.89
-7	1839.42	-7	1701.52
-9	1833.79	-9	1654.16
-11	1826.51	-11	1600.24
-13	1820.47	-13	1528.38
-15	1812.46	-15	1451.08
-17	1795.5	-17	1362.57
-19.5	1772.25	-19.5	1240.095
-22.5	1723.835	-22.5	1074.745
-25.5	1676.505	-25.5	916.59
-29	1620.06	-29	779.8
-33	1570.23	-33	679.52
-37.5	1490.315	-37.5	591.405
-42.5	1386.205	-42.5	470.335
-47.5	1286.91	-47.5	362.35
-55	1118.24	-55	185.89
-65	866.94	-65	76.94
-75	450.89	-75	25.88
-85	14.81	-85	1.46
-90	1.613	-90	.829

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CANDELA TABULATION

Maximum Candela = 1944.644
 Beam Edge = 972.322 Cd (50% of Max.)
 Field Edge = 194.4644 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	1.610	1.570	1.490	1.184	0.950	0.830	0.807	0.840	0.870	0.883
85.0	1.610	1.656	1.580	1.472	1.359	1.234	1.354	1.649	1.888	1.882
75.0	1.611	1.826	1.917	25.554	86.290	121.723	126.307	118.526	101.860	73.245
65.0	1.611	1.994	26.792	174.865	399.722 *	537.494 *	633.827 *	630.204 *	607.649 *	591.949 *
55.0	1.611	2.166	82.872	400.847 *	820.236 *	1047.701 *	1114.622 *	1155.354 *	1165.806 *	1147.893 *
47.5	1.612	3.646	150.484	553.731 *	1042.803 *	1258.786 *	1343.458 *	1405.010 *	1404.322 *	1412.721 *
42.5	1.612	4.908	205.332 *	629.505 *	1122.620 *	1376.433 *	1444.124 *	1488.896 *	1511.683 *	1523.435 *
37.5	1.612	6.272	265.368 *	706.867 *	1169.388 *	1437.025 *	1512.799 *	1549.274 *	1575.665 *	1607.354 *
33.0	1.612	7.795	315.484 *	780.498 *	1189.648 *	1446.294 *	1564.603 *	1590.669 *	1624.945 *	1654.614 *
29.0	1.612	9.228	352.740 *	820.047 *	1202.856 *	1451.924 *	1569.492 *	1619.941 *	1654.431 *	1677.917 *
25.5	1.612	10.360	375.651 *	843.480 *	1207.320 *	1457.406 *	1567.881 *	1637.932 *	1675.186 *	1703.363 *
22.5	1.612	11.236	392.844 *	860.072 *	1202.157 *	1458.711 *	1576.296 *	1639.293 *	1683.639 *	1711.483 *
19.5	1.612	12.023	407.761 *	869.957 *	1209.066 *	1454.387 *	1576.268 *	1640.062 *	1684.388 *	1717.794 *
17.0	1.612	12.608	418.416 *	876.424 *	1207.776 *	1451.802 *	1578.125 *	1638.893 *	1684.359 *	1720.753 *
15.0	1.613	13.030	425.799 *	879.932 *	1202.851 *	1445.628 *	1578.381 *	1633.785 *	1677.513 *	1721.863 *
13.0	1.613	13.409	432.183 *	881.867 *	1197.048 *	1433.490 *	1564.216 *	1633.213 *	1678.073 *	1719.952 *
11.0	1.613	14.424	437.588 *	882.598 *	1188.405 *	1416.457 *	1537.186 *	1622.782 *	1674.640 *	1715.977 *
9.0	1.613	14.493	442.037 *	882.163 *	1178.811 *	1397.443 *	1510.577 *	1599.122 *	1661.102 *	1707.462 *
7.0	1.613	14.563	445.551 *	880.602 *	1167.745 *	1376.073 *	1483.715 *	1576.931 *	1642.508 *	1692.177 *
5.0	1.613	14.634	450.749 *	877.960 *	1155.261 *	1352.496 *	1457.252 *	1554.001 *	1623.555 *	1674.740 *
3.0	1.613	14.704	450.805 *	875.324 *	1142.774 *	1327.347 *	1429.847 *	1529.849 *	1603.309 *	1654.563 *
1.0	1.613	14.775	450.862 *	869.736 *	1126.425 *	1300.732 *	1401.150 *	1503.879 *	1581.834 *	1632.260 *
0.0	1.613	14.810	450.890 *	866.940 *	1118.240 *	1286.910 *	1386.205 *	1490.315 *	1570.230 *	1620.060 *
-1.0	1.613	14.810	448.950 *	862.692 *	1110.883 *	1274.995 *	1370.822 *	1470.302 *	1547.764 *	1598.058 *
-3.0	1.613	14.827	445.074 *	854.202 *	1096.188 *	1250.293 *	1338.887 *	1429.387 *	1500.930 *	1552.010 *
-5.0	1.613	14.838	441.205 *	842.857 *	1078.021 *	1224.596 *	1305.725 *	1387.455 *	1452.520 *	1504.090 *
-7.0	1.613	14.849	432.539 *	831.624 *	1060.242 *	1198.102 *	1271.728 *	1345.488 *	1402.231 *	1453.827 *
-9.0	1.613	14.860	425.615 *	819.474 *	1041.667 *	1170.889 *	1237.656 *	1300.538 *	1351.490 *	1401.302 *
-11.0	1.613	14.871	417.985 *	806.407 *	1022.410 *	1143.456 *	1202.945 *	1256.934 *	1302.520 *	1347.962 *
-13.0	1.613	13.899	409.674 *	792.426 *	1003.045 *	1116.280 *	1168.996 *	1217.674 *	1259.447 *	1293.058 *
-15.0	1.613	13.579	400.705 *	777.536 *	979.561 *	1089.066 *	1132.043 *	1181.024 *	1215.264 *	1240.468 *
-17.0	1.612	13.210	391.102 *	761.961 *	955.485 *	1061.474 *	1099.448 *	1141.717 *	1171.585 *	1191.088 *
-19.5	1.612	12.679	378.248 *	741.728 *	925.269 *	1024.762 *	1058.854 *	1095.266 *	1120.383 *	1135.256 *
-22.5	1.612	11.941	360.732 *	716.776 *	889.990 *	978.178 *	1013.659 *	1041.574 *	1062.475 *	1070.722 *
-25.5	1.612	11.092	340.874 *	686.677 *	844.115 *	930.360 *	963.892 *	984.236 *	995.216 *	1003.077 *
-29.0	1.612	9.963	315.560 *	650.185 *	791.116 *	871.537 *	904.082 *	917.444 *	922.202 *	923.881 *
-33.0	1.612	8.491	282.543 *	605.511 *	727.633 *	799.246 *	825.746 *	827.674 *	830.181 *	829.646 *
-37.5	1.612	6.896	240.407 *	540.725 *	646.655 *	710.918 *	716.923 *	712.609 *	712.578 *	706.094 *
-42.5	1.612	5.423	184.011	431.135 *	545.451 *	594.644 *	591.074 *	571.015 *	560.168 *	558.821 *
-47.5	1.612	4.019	137.279	335.741 *	440.946 *	461.385 *	462.956 *	435.939 *	425.125 *	415.153 *
-55.0	1.612	2.303	86.875	232.008 *	286.188 *	281.708 *	262.105 *	247.327 *	243.367 *	226.166 *
-65.0	1.611	2.011	33.235	89.624	103.994	109.168	83.537	86.327	86.611	81.927
-75.0	1.611	1.780	4.504	17.349	21.306	25.031	21.876	23.825	24.804	24.856
-85.0	1.610	1.589	1.438	1.248	1.137	1.552	1.596	1.392	1.247	1.192
-90.0	1.610	1.504	1.290	1.150	1.063	1.038	1.008	0.965	0.926	0.895

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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	0.860	0.840	0.820	0.803	0.790	0.787	0.785	0.782	0.780	0.777
85.0	1.729	1.586	1.434	1.300	1.185	1.285	1.426	1.505	1.584	1.663
75.0	73.190	71.622	69.070	66.136	63.062	62.274	62.084	61.609	60.861	60.529
65.0	594.544 *	592.770 *	580.215 *	565.889 *	551.411 *	544.673 *	552.462 *	555.893 *	555.089 *	550.190 *
55.0	1118.587 *	1128.064 *	1134.149 *	1132.752 *	1128.267 *	1121.037 *	1121.970 *	1126.351 *	1128.527 *	1128.678 *
47.5	1427.101 *	1433.824 *	1440.715 *	1449.278 *	1455.956 *	1463.070 *	1468.988 *	1476.411 *	1482.114 *	1485.608 *
42.5	1535.394 *	1547.512 *	1556.977 *	1572.337 *	1582.566 *	1593.323 *	1600.374 *	1608.389 *	1614.378 *	1618.266 *
37.5	1616.640 *	1628.274 *	1646.954 *	1661.411 *	1670.671 *	1685.154 *	1697.274 *	1706.113 *	1713.589 *	1717.615 *
33.0	1666.096 *	1688.888 *	1712.431 *	1731.286 *	1742.708 *	1755.413 *	1766.103 *	1774.788 *	1781.038 *	1787.254 *
29.0	1713.051 *	1737.648 *	1761.119 *	1775.305 *	1789.252 *	1802.341 *	1812.326 *	1818.345 *	1823.963 *	1831.538 *
25.5	1738.462 *	1774.822 *	1797.036 *	1813.854 *	1827.576 *	1839.447 *	1845.712 *	1851.099 *	1861.296 *	1869.970 *
22.5	1754.026 *	1792.073 *	1819.702 *	1826.982 *	1840.101 *	1859.040 *	1867.912 *	1878.212 *	1882.097 *	1888.211 *
19.5	1762.498 *	1797.991 *	1816.725 *	1854.048 *	1862.789 *	1876.429 *	1880.085 *	1887.107 *	1896.410 *	1905.512 *
17.0	1767.100 *	1793.196 *	1836.300 *	1855.125 *	1870.611 *	1877.918 *	1886.088 *	1896.974 *	1904.290 *	1917.827 *
15.0	1763.474 *	1795.231 *	1836.081 *	1856.292 *	1873.076 *	1881.041 *	1889.852 *	1894.983 *	1907.501 *	1921.940 *
13.0	1761.793 *	1799.271 *	1833.147 *	1855.056 *	1870.848 *	1886.501 *	1899.799 *	1898.278 *	1903.296 *	1919.560 *
11.0	1758.052 *	1796.528 *	1825.928 *	1855.947 *	1872.082 *	1890.402 *	1894.057 *	1897.266 *	1908.288 *	1914.443 *
9.0	1748.446 *	1789.282 *	1818.892 *	1850.527 *	1870.862 *	1878.314 *	1885.589 *	1901.748 *	1902.428 *	1906.723 *
7.0	1737.260 *	1780.447 *	1807.747 *	1837.080 *	1856.831 *	1864.898 *	1886.891 *	1888.779 *	1892.097 *	1899.065 *
5.0	1720.185 *	1769.453 *	1792.659 *	1823.618 *	1836.193 *	1853.390 *	1854.703 *	1873.458 *	1870.834 *	1889.416 *
3.0	1704.425 *	1751.152 *	1786.441 *	1815.056 *	1825.560 *	1825.100 *	1828.777 *	1850.127 *	1852.296 *	1849.822 *
1.0	1686.412 *	1733.159 *	1777.732 *	1803.415 *	1817.682 *	1819.781 *	1828.210 *	1837.693 *	1837.290 *	1829.807 *
0.0	1676.505 *	1723.835 *	1772.250 *	1795.500 *	1812.460 *	1820.470 *	1826.510 *	1833.790 *	1839.420 *	1845.210 *
-1.0	1655.091 *	1701.695 *	1748.243 *	1773.488 *	1789.586 *	1799.169 *	1805.328 *	1812.608 *	1814.671 *	1818.044 *
-3.0	1610.489 *	1655.738 *	1698.245 *	1725.777 *	1740.613 *	1752.200 *	1761.179 *	1767.941 *	1765.843 *	1769.111 *
-5.0	1563.708 *	1607.417 *	1645.401 *	1674.409 *	1688.047 *	1698.667 *	1713.083 *	1715.211 *	1729.984 *	1745.418 *
-7.0	1512.365 *	1550.500 *	1584.900 *	1610.755 *	1630.494 *	1644.606 *	1655.947 *	1673.422 *	1690.447 *	1698.596 *
-9.0	1448.025 *	1483.858 *	1517.413 *	1542.762 *	1562.481 *	1589.177 *	1605.946 *	1620.582 *	1634.394 *	1643.624 *
-11.0	1381.831 *	1413.909 *	1444.793 *	1473.774 *	1498.210 *	1524.227 *	1544.815 *	1560.497 *	1569.731 *	1581.409 *
-13.0	1315.388 *	1340.444 *	1374.443 *	1405.142 *	1427.719 *	1448.406 *	1472.113 *	1490.584 *	1501.314 *	1510.611 *
-15.0	1252.702 *	1274.910 *	1306.087 *	1331.080 *	1354.182 *	1369.767 *	1387.663 *	1402.945 *	1423.412 *	1435.830 *
-17.0	1201.615 *	1217.244 *	1237.840 *	1255.761 *	1270.871 *	1286.012 *	1297.916 *	1312.523 *	1334.982 *	1348.698 *
-19.5	1142.873 *	1150.479 *	1158.615 *	1166.386 *	1173.448 *	1180.675 *	1184.109 *	1201.947 *	1217.946 *	1227.171 *
-22.5	1072.834 *	1074.074 *	1073.832 *	1071.186 *	1067.810 *	1064.926 *	1064.325 *	1068.429 *	1070.875 *	1075.234 *
-25.5	1003.280 *	998.199 *	989.445 *	981.083 *	974.045 *	964.006 *	955.204 *	945.614 *	933.663 *	932.163 *
-29.0	920.439 *	909.248 *	893.817 *	879.294 *	866.503 *	853.500 *	838.664 *	822.406 *	806.217 *	803.609 *
-33.0	815.860 *	801.070 *	783.155 *	766.074 *	757.375 *	743.924 *	727.265 *	708.953 *	699.692 *	697.293 *
-37.5	687.392 *	671.801 *	652.529 *	646.237 *	638.374 *	627.216 *	614.156 *	600.694 *	603.778 *	601.913 *
-42.5	538.226 *	512.465 *	503.184 *	504.235 *	500.836 *	495.341 *	482.305 *	478.328 *	479.157 *	478.604 *
-47.5	401.089 *	385.582 *	385.354 *	383.538 *	380.525 *	376.365 *	371.490 *	373.149 *	373.318 *	372.057 *
-55.0	204.533 *	207.539 *	208.340 *	204.977 *	200.258 *	194.084 *	192.771 *	193.875 *	193.849 *	192.763 *
-65.0	80.121 *	81.062 *	81.019 *	80.564 *	79.952 *	79.612 *	79.926 *	79.975 *	79.760 *	79.281 *
-75.0	25.600 *	25.926 *	26.046 *	26.000 *	25.824 *	25.971 *	26.173 *	26.293 *	26.334 *	26.518 *
-85.0	1.400 *	1.555 *	1.690 *	1.790 *	1.862 *	1.822 *	1.806 *	1.743 *	1.680 *	1.617 *
-90.0	0.879 *	0.865 *	0.851 *	0.840 *	0.831 *	0.830 *	0.830 *	0.830 *	0.830 *	0.829 *

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0.774	0.772	0.771	0.777	0.788	0.800	0.812	0.824	0.836	0.848
85.0	1.742	1.821	1.860	1.829	1.766	1.703	1.640	1.577	1.514	1.389
75.0	58.846	57.162	56.320	57.197	58.952	60.705	61.102	61.914	62.450	62.696
65.0	545.420 *	529.141 *	521.000 *	529.839 *	547.513 *	553.596 *	559.744 *	561.684 *	559.247 *	552.276 *

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CANDELA TABULATION - (Cont.)

55.0	1128.599	*1123.847	*1121.470	*1125.380	*1133.196	*1136.144	*1138.713	*1138.993	*1136.732	*1138.364	*
47.5	1487.374	*1486.972	*1485.820	*1488.890	*1493.132	*1495.218	*1495.597	*1493.443	*1488.942	*1485.842	*
42.5	1621.161	*1622.784	*1623.030	*1624.110	*1625.171	*1625.059	*1624.116	*1620.201	*1614.872	*1612.688	*
37.5	1721.434	*1723.799	*1724.335	*1725.001	*1724.964	*1723.249	*1721.054	*1715.644	*1714.349	*1710.521	*
33.0	1792.416	*1796.496	*1797.690	*1798.403	*1798.224	*1797.176	*1795.429	*1794.798	*1788.315	*1781.024	*
29.0	1837.768	*1842.715	*1844.270	*1844.817	*1844.183	*1842.541	*1840.008	*1837.810	*1837.013	*1831.161	*
25.5	1876.267	*1881.652	*1883.925	*1882.881	*1879.794	*1875.318	*1871.653	*1871.922	*1860.436	*1855.611	*
22.5	1897.317	*1905.080	*1908.565	*1906.091	*1901.173	*1897.148	*1889.073	*1878.283	*1877.120	*1872.100	*
19.5	1913.657	*1920.636	*1923.800	*1922.316	*1918.775	*1913.347	*1910.341	*1910.102	*1903.843	*1890.769	*
17.0	1924.653	*1929.253	*1931.330	*1929.455	*1925.417	*1923.392	*1923.079	*1917.502	*1920.753	*1914.305	*
15.0	1931.670	*1934.986	*1936.290	*1935.184	*1932.996	*1932.598	*1930.849	*1931.163	*1923.057	*1923.378	*
13.0	1931.854	*1931.122	*1930.510	*1931.643	*1933.748	*1939.711	*1944.644	*1931.982	*1929.522	*1921.115	*
11.0	1925.693	*1929.036	*1931.350	*1931.514	*1933.790	*1930.137	*1926.719	*1937.768	*1925.061	*1916.277	*
9.0	1915.786	*1925.269	*1932.340	*1928.431	*1922.553	*1917.221	*1922.292	*1924.670	*1913.410	*1903.839	*
7.0	1904.412	*1913.572	*1920.680	*1915.942	*1913.159	*1916.515	*1916.769	*1905.599	*1893.261	*1876.855	*
5.0	1892.337	*1897.313	*1896.860	*1893.281	*1893.314	*1903.371	*1896.168	*1880.572	*1872.760	*1857.795	*
3.0	1873.046	*1873.091	*1868.750	*1870.399	*1881.970	*1870.368	*1865.140	*1854.785	*1842.607	*1830.768	*
1.0	1834.528	*1847.464	*1843.400	*1842.519	*1852.676	*1844.551	*1841.708	*1831.875	*1825.229	*1812.443	*
0.0	1844.510	*1839.660	*1831.838	*1838.700	*1826.760	*1824.380	*1828.500	*1821.210	*1816.760	*1803.310	*
-1.0	1811.553	*1823.785	*1810.140	*1810.269	*1808.536	*1805.894	*1806.728	*1802.564	*1794.658	*1784.087	*
-3.0	1781.899	*1776.985	*1777.120	*1776.679	*1780.634	*1777.674	*1772.738	*1766.023	*1748.865	*1741.675	*
-5.0	1740.755	*1743.355	*1739.890	*1742.155	*1735.267	*1739.095	*1737.065	*1728.918	*1712.914	*1700.934	*
-7.0	1699.789	*1702.504	*1701.520	*1703.933	*1691.632	*1686.512	*1693.292	*1682.748	*1672.100	*1656.710	*
-9.0	1643.574	*1653.014	*1654.160	*1656.125	*1643.926	*1627.173	*1631.801	*1635.206	*1618.110	*1602.936	*
-11.0	1583.003	*1598.609	*1600.240	*1600.571	*1589.881	*1576.519	*1564.388	*1562.931	*1551.734	*1537.707	*
-13.0	1515.026	*1527.714	*1528.380	*1530.217	*1523.295	*1513.191	*1494.032	*1486.572	*1478.654	*1461.756	*
-15.0	1443.304	*1452.253	*1451.080	*1454.789	*1449.293	*1436.801	*1420.088	*1403.201	*1396.897	*1387.642	*
-17.0	1360.294	*1365.706	*1362.570	*1366.604	*1363.064	*1352.623	*1339.797	*1320.695	*1311.220	*1301.080	*
-19.5	1238.927	*1242.137	*1240.095	*1243.811	*1244.052	*1235.990	*1227.443	*1212.680	*1195.003	*1192.341	*
-22.5	1080.453	*1078.859	*1074.745	*1081.558	*1088.619	*1089.048	*1084.307	*1080.401	*1076.416	*1075.003	*
-25.5	931.220	* 923.214	* 916.590	* 925.623	* 938.888	* 946.383	* 950.758	* 959.453	* 968.309	* 976.297	*
-29.0	796.969	* 786.896	* 779.800	* 789.522	* 804.630	* 815.736	* 821.882	* 837.579	* 853.779	* 867.584	*
-33.0	692.059	* 684.536	* 679.520	* 686.420	* 697.656	* 706.463	* 712.203	* 722.975	* 740.930	* 757.138	*
-37.5	599.322	* 594.604	* 591.405	* 595.610	* 602.285	* 606.672	* 610.141	* 607.624	* 620.688	* 633.001	*
-42.5	476.437	* 472.734	* 470.335	* 472.505	* 475.664	* 477.036	* 476.380	* 474.460	* 477.711	* 490.571	*
-47.5	369.330	* 365.071	* 362.350	* 364.851	* 368.707	* 371.143	* 372.295	* 372.311	* 371.233	* 376.170	*
-55.0	191.620	187.801	185.890	188.148	192.662	194.432	196.094	* 196.606	* 195.872	* 197.223	*
-65.0	78.831	77.570	76.940	77.640	79.040	79.615	80.206	80.513	80.530	80.251	
-75.0	26.263	26.008	25.880	26.006	26.257	26.508	26.319	26.275	26.151	25.945	
-85.0	1.554	1.491	1.460	1.487	1.540	1.594	1.647	1.701	1.754	1.762	
-90.0	0.829	0.829	0.829	0.829	0.829	0.829	0.829	0.830	0.830	0.830	

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	0.860	0.865	0.872	0.880	0.888	0.898	0.890	0.875	0.858	0.890	
85.0	1.308	1.412	1.536	1.672	1.796	1.923	1.900	1.669	1.395	1.258	
75.0	63.616	67.054	70.402	73.337	75.131	75.264	104.434	121.740	128.752	124.690	
65.0	559.951	* 575.815	* 592.920	* 609.906	* 612.664	* 611.727	* 632.292	* 661.413	* 670.194	* 555.995	*
55.0	1150.405	*1158.236	*1162.786	*1161.948	*1155.305	*1185.303	*1212.100	*1203.704	*1153.422	*1080.293	*
47.5	1481.840	*1481.216	*1481.040	*1482.291	*1475.015	*1453.984	*1450.081	*1451.981	*1379.325	*1289.639	*
42.5	1611.045	*1610.642	*1606.343	*1592.244	*1574.354	*1571.971	*1552.145	*1524.835	*1474.888	*1403.035	*
37.5	1703.959	*1702.801	*1694.576	*1670.987	*1658.995	*1646.519	*1613.202	*1587.530	*1544.784	*1456.355	*
33.0	1779.567	*1775.618	*1761.844	*1732.775	*1718.775	*1690.659	*1664.037	*1624.877	*1588.628	*1490.207	*
29.0	1821.649	*1813.952	*1797.470	*1779.548	*1755.288	*1731.453	*1690.046	*1658.810	*1601.758	*1488.356	*
25.5	1857.407	*1838.682	*1816.581	*1802.132	*1774.148	*1736.911	*1704.328	*1665.254	*1602.003	*1495.952	*

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

CANDELA TABULATION - (Cont.)

22.5	1875.510	*1851.087	*1840.331	*1808.613	*1779.461	*1754.546	*1700.802	*1674.416	*1606.871	*1499.890	*
19.5	1883.611	*1880.062	*1860.131	*1819.832	*1783.551	*1739.289	*1709.440	*1671.366	*1611.356	*1508.116	*
17.0	1905.736	*1888.593	*1865.079	*1831.294	*1787.472	*1747.413	*1713.867	*1667.187	*1612.135	*1513.830	*
15.0	1910.959	*1892.696	*1858.926	*1827.405	*1791.647	*1746.126	*1715.502	*1662.553	*1612.269	*1491.769	*
13.0	1908.498	*1887.856	*1860.951	*1829.662	*1796.254	*1742.601	*1708.529	*1666.258	*1594.956	*1467.346	*
11.0	1898.919	*1880.592	*1856.892	*1817.426	*1791.808	*1740.502	*1705.292	*1655.646	*1559.584	*1441.394	*
9.0	1893.197	*1869.413	*1842.109	*1805.722	*1781.645	*1737.406	*1689.979	*1622.098	*1524.484	*1414.977	*
7.0	1873.318	*1853.190	*1822.937	*1798.847	*1764.139	*1721.058	*1667.630	*1592.644	*1489.206	*1387.814	*
5.0	1846.676	*1832.193	*1809.070	*1777.808	*1736.077	*1699.855	*1644.871	*1564.619	*1454.701	*1358.500	*
3.0	1820.995	*1806.041	*1782.503	*1746.994	*1711.412	*1677.694	*1620.664	*1535.997	*1418.928	*1327.082	*
1.0	1794.897	*1778.272	*1751.195	*1713.684	*1683.446	*1654.116	*1595.077	*1505.559	*1381.670	*1294.099	*
0.0	1780.880	*1763.300	*1734.955	*1696.315	*1668.750	*1640.860	*1581.310	*1489.590	*1362.415	*1277.195	*
-1.0	1762.913	*1745.734	*1717.652	*1679.063	*1649.212	*1617.909	*1559.483	*1471.535	*1349.386	*1265.812	*
-3.0	1724.744	*1707.344	*1682.405	*1643.269	*1609.060	*1569.013	*1513.829	*1433.999	*1322.069	*1242.493	*
-5.0	1685.514	*1665.112	*1644.146	*1605.465	*1566.634	*1518.662	*1466.746	*1394.868	*1293.239	*1218.421	*
-7.0	1638.457	*1614.897	*1592.258	*1557.088	*1518.181	*1467.272	*1418.117	*1355.648	*1263.100	*1193.580	*
-9.0	1582.831	*1557.735	*1534.028	*1497.672	*1459.316	*1415.369	*1369.469	*1311.488	*1233.131	*1167.046	*
-11.0	1516.634	*1497.225	*1471.887	*1432.935	*1400.620	*1363.766	*1320.903	*1268.786	*1202.411	*1139.471	*
-13.0	1448.520	*1428.907	*1402.240	*1364.969	*1341.295	*1314.109	*1279.145	*1232.357	*1172.214	*1112.071	*
-15.0	1373.974	*1353.628	*1330.346	*1301.049	*1281.396	*1265.055	*1239.311	*1199.994	*1138.601	*1086.202	*
-17.0	1288.411	*1275.823	*1256.365	*1244.995	*1226.616	*1216.577	*1199.329	*1165.867	*1109.445	*1061.575	*
-19.5	1188.411	*1179.587	*1177.697	*1174.820	*1168.380	*1160.362	*1149.191	*1122.109	*1073.771	*1030.040	*
-22.5	1080.154	*1087.282	*1092.997	*1096.445	*1099.106	*1097.230	*1091.289	*1068.208	*1028.719	*989.077	*
-25.5	985.872	*995.300	*1007.935	*1022.946	*1027.878	*1031.717	*1029.650	*1017.136	*980.809	*945.552	*
-29.0	879.315	*892.653	*910.144	*931.752	*946.990	*956.617	*950.499	*947.477	*922.434	*891.691	*
-33.0	769.450	*777.594	*797.010	*820.841	*838.978	*852.630	*852.248	*848.932	*847.639	*826.016	*
-37.5	643.058	*650.444	*654.651	*677.218	*695.515	*717.591	*726.674	*732.799	*739.833	*735.934	*
-42.5	495.196	*497.446	*495.016	*508.787	*538.684	*566.205	*576.363	*586.941	*614.991	*610.851	*
-47.5	380.002	*382.462	*383.839	*383.263	*403.959	*422.479	*435.630	*450.097	*475.569	*473.003	*
-55.0	203.075	*207.497	*210.349	*208.683	*205.788	*229.244	*248.520	*257.136	*269.997	*289.786	*
-65.0	80.395	80.764	80.910	80.515	79.318	81.670	87.427	87.144	84.660	109.475	
-75.0	25.777	25.885	25.859	25.631	25.144	24.164	24.030	23.045	21.099	23.371	
-85.0	1.795	1.713	1.605	1.462	1.303	1.094	1.158	1.322	1.526	1.473	
-90.0	0.830	0.835	0.842	0.850	0.858	0.867	0.900	0.945	0.995	1.022	

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	1.011	1.072	1.033	1.117	1.160
85.0	1.324	1.936	2.308	1.263	1.160
75.0	83.277	23.133	4.748	1.538	1.160
65.0	402.180	*169.715	21.576	1.773	1.160
55.0	838.105	*402.433	*66.046	1.998	1.160
47.5	1076.100	*551.872	*120.682	2.197	1.160
42.5	1152.394	*643.995	*172.120	2.317	1.160
37.5	1196.029	*719.239	*217.809	*2.429	1.160
33.0	1217.270	*787.771	*259.277	*2.554	1.160
29.0	1234.233	*832.131	*292.059	*2.672	1.160
25.5	1235.975	*856.637	*318.702	*2.756	1.160
22.5	1242.720	*870.950	*338.998	*2.813	1.160
19.5	1237.253	*877.928	*354.452	*2.856	1.160
17.0	1231.764	*881.806	*363.051	*2.881	1.160
15.0	1225.666	*883.235	*368.817	*2.894	1.160
13.0	1217.383	*883.341	*373.583	*2.901	1.160
11.0	1205.779	*882.310	*377.341	*2.995	1.160
9.0	1193.260	*880.123	*380.086	*2.958	1.160

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

CANDELA TABULATION - (Cont.)

7.0	1179.062	*876.763	* 381.811	* 2.921	1.160
5.0	1163.159	*872.218	* 385.707	* 2.884	1.160
3.0	1147.478	*867.834	* 383.343	* 2.846	1.160
1.0	1126.375	*859.674	* 380.975	* 2.790	1.160
0.0	1115.810	*855.590	* 379.790	* 2.790	1.160
-1.0	1109.562	*852.074	* 379.042	* 2.830	1.160
-3.0	1097.080	*845.048	* 377.548	* 2.910	1.160
-5.0	1079.577	*834.378	* 376.057	* 2.990	1.160
-7.0	1062.702	*824.004	* 368.507	* 3.070	1.160
-9.0	1044.768	*812.658	* 363.167	* 3.149	1.160
-11.0	1025.974	*800.413	* 356.947	* 3.228	1.160
-13.0	1007.141	*787.342	* 349.881	* 3.122	1.160
-15.0	989.219	* 773.515	* 342.004	* 3.128	1.160
-17.0	971.222	* 759.270	* 333.349	* 3.120	1.160
-19.5	946.985	* 740.725	* 321.492	* 3.086	1.160
-22.5	916.054	* 717.732	* 303.311	* 3.010	1.160
-25.5	869.831	* 687.804	* 281.794	* 2.893	1.160
-29.0	814.887	* 651.034	* 255.268	* 2.700	1.160
-33.0	749.496	* 608.149	* 225.956	* 2.404	1.160
-37.5	661.574	* 542.292	* 189.575	2.044	1.160
-42.5	556.053	* 429.741	* 140.906	1.878	1.160
-47.5	450.786	* 342.139	* 110.155	1.704	1.160
-55.0	296.032	* 227.229	* 70.884	1.449	1.160
-65.0	106.002	84.400	25.117	1.271	1.160
-75.0	19.798	14.125	2.892	1.202	1.160
-85.0	1.115	1.178	1.269	1.168	1.160
-90.0	1.027	1.070	1.150	1.157	1.160

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMEN TABULATION

Average Of Right And Left Sides
 Total Luminaire Lumens (one side of beam only) = 2427.26
 Total Field Lumens (one side of beam only) = 2373.98
 * 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.09	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.25
75	0.89 *	1.81 *	1.85 *	1.86 *	1.87 *	1.86 *	1.83 *	1.82 *	1.84 *	2.34 *
65	2.51 *	5.07 *	5.11 *	5.11 *	5.10 *	5.06 *	5.01 *	4.98 *	4.99 *	6.24 *
55	2.98 *	5.97 *	5.98 *	5.96 *	5.93 *	5.88 *	5.82 *	5.78 *	5.73 *	7.08 *
47.5	2.37 *	4.74 *	4.73 *	4.71 *	4.68 *	4.64 *	4.59 *	4.54 *	4.48 *	5.51 *
42.5	2.55 *	5.09 *	5.08 *	5.06 *	5.02 *	4.98 *	4.93 *	4.87 *	4.80 *	5.90 *
37.5	2.41 *	4.82 *	4.81 *	4.78 *	4.75 *	4.71 *	4.66 *	4.60 *	4.54 *	5.57 *
33	2.22 *	4.43 *	4.42 *	4.39 *	4.36 *	4.33 *	4.28 *	4.23 *	4.17 *	5.11 *
29	1.99 *	3.97 *	3.95 *	3.93 *	3.90 *	3.87 *	3.83 *	3.78 *	3.72 *	4.56 *
25.5	1.73 *	3.45 *	3.44 *	3.42 *	3.39 *	3.36 *	3.32 *	3.29 *	3.23 *	3.96 *
22.5	1.75 *	3.49 *	3.47 *	3.45 *	3.42 *	3.39 *	3.36 *	3.32 *	3.27 *	4.00 *
19.5	1.47 *	2.93 *	2.91 *	2.90 *	2.87 *	2.85 *	2.82 *	2.79 *	2.75 *	3.36 *
17	1.18 *	2.35 *	2.34 *	2.33 *	2.31 *	2.29 *	2.27 *	2.24 *	2.20 *	2.69 *
15	1.18 *	2.35 *	2.35 *	2.33 *	2.31 *	2.29 *	2.27 *	2.24 *	2.20 *	2.69 *
13	1.18 *	2.35 *	2.34 *	2.33 *	2.31 *	2.30 *	2.27 *	2.24 *	2.20 *	2.69 *
11	1.18 *	2.35 *	2.33 *	2.32 *	2.31 *	2.29 *	2.27 *	2.23 *	2.19 *	2.68 *
9	1.17 *	2.33 *	2.32 *	2.31 *	2.30 *	2.28 *	2.25 *	2.22 *	2.18 *	2.66 *
7	1.16 *	2.32 *	2.31 *	2.30 *	2.28 *	2.26 *	2.23 *	2.20 *	2.16 *	2.64 *
5	1.15 *	2.29 *	2.29 *	2.27 *	2.25 *	2.23 *	2.20 *	2.17 *	2.14 *	2.61 *
3	1.13 *	2.26 *	2.25 *	2.24 *	2.23 *	2.20 *	2.18 *	2.15 *	2.12 *	2.59 *
1	0.56 *	1.12 *	1.12 *	1.11 *	1.11 *	1.10 *	1.08 *	1.07 *	1.05 *	1.28 *
0	0.56 *	1.11 *	1.11 *	1.10 *	1.10 *	1.09 *	1.08 *	1.06 *	1.04 *	1.27 *
-1	1.09 *	2.19 *	2.18 *	2.17 *	2.16 *	2.14 *	2.11 *	2.08 *	2.05 *	2.49 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMENS TABULATION - (Cont.)

-3	1.07 *	2.14 *	2.14 *	2.13 *	2.11 *	2.09 *	2.06 *	2.03 *	1.99 *	2.43 *
-5	1.05 *	2.09 *	2.09 *	2.08 *	2.06 *	2.03 *	2.00 *	1.97 *	1.93 *	2.36 *
-7	1.02 *	2.04 *	2.03 *	2.02 *	2.00 *	1.97 *	1.94 *	1.91 *	1.87 *	2.27 *
-9	0.99 *	1.97 *	1.96 *	1.94 *	1.93 *	1.90 *	1.87 *	1.83 *	1.79 *	2.18 *
-11	0.95 *	1.90 *	1.88 *	1.86 *	1.84 *	1.82 *	1.79 *	1.75 *	1.71 *	2.08 *
-13	0.91 *	1.81 *	1.80 *	1.78 *	1.75 *	1.73 *	1.70 *	1.67 *	1.63 *	1.98 *
-15	0.86 *	1.71 *	1.70 *	1.68 *	1.65 *	1.62 *	1.60 *	1.57 *	1.54 *	1.87 *
-17	0.99 *	1.98 *	1.97 *	1.95 *	1.92 *	1.88 *	1.85 *	1.83 *	1.79 *	2.19 *
-19.5	1.06 *	2.12 *	2.11 *	2.10 *	2.07 *	2.04 *	2.02 *	2.00 *	1.98 *	2.44 *
-22.5	0.91 *	1.84 *	1.84 *	1.84 *	1.83 *	1.83 *	1.82 *	1.82 *	1.81 *	2.25 *
-25.5	0.91 *	1.84 *	1.85 *	1.86 *	1.87 *	1.88 *	1.90 *	1.91 *	1.91 *	2.39 *
-29	0.89 *	1.81 *	1.83 *	1.84 *	1.85 *	1.88 *	1.90 *	1.92 *	1.93 *	2.42 *
-33	0.87 *	1.76 *	1.78 *	1.79 *	1.79 *	1.80 *	1.83 *	1.85 *	1.86 *	2.33 *
-37.5	0.81 *	1.63 *	1.64 *	1.64 *	1.63 *	1.63 *	1.65 *	1.67 *	1.67 *	2.08 *
-42.5	0.64 *	1.28 *	1.29 *	1.29 *	1.28 *	1.28 *	1.28 *	1.29 *	1.29 *	1.60 *
-47.5	0.63 *	1.27 *	1.28 *	1.29 *	1.28 *	1.28 *	1.27 *	1.28 *	1.29 *	1.60 *
-55	0.40	0.82	0.83	0.83	0.83	0.82	0.82	0.82	0.83	1.04
-65	0.16	0.32	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.39
-75	0.04	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.10
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-90										
Total	49.66	99.43	99.30	98.89	98.28	97.49	96.58	95.60	94.48	116.17

Vert. Horizontal Angles

Angles	19.5	22.5	25.5	29	33	37.5	42.5	47.5	55	65
90	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
85	0.31	0.31	0.36	0.47	0.63	0.73	0.68	0.75	0.43	0.08
75	2.84 *	2.82 *	3.21 *	3.65 *	4.17 *	4.51 *	3.90 *	4.13 *	2.59	0.58
65	7.42 *	7.28 *	8.31 *	9.34 *	10.17 *	10.53 *	9.14 *	10.15 *	6.86 *	1.75
55	8.34 *	8.12 *	9.22 *	10.21 *	10.96 *	11.16 *	9.76 *	11.33 *	8.11 *	2.27 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMENS TABULATION - (Cont.)

47.5											
	6.47 *	6.30 *	7.09 *	7.75 *	8.25 *	8.39 *	7.38 *	8.68 *	6.44 *	1.97 *	
42.5	6.90 *	6.69 *	7.54 *	8.22 *	8.68 *	8.84 *	7.84 *	9.21 *	6.98 *	2.32 *	
37.5	6.50 *	6.28 *	7.07 *	7.68 *	8.08 *	8.24 *	7.29 *	8.52 *	6.65 *	2.37 *	
33	5.96 *	5.76 *	6.45 *	6.99 *	7.35 *	7.48 *	6.57 *	7.66 *	6.13 *	2.31 *	
29	5.32 *	5.14 *	5.73 *	6.20 *	6.51 *	6.59 *	5.76 *	6.74 *	5.48 *	2.14 *	
25.5	4.62 *	4.45 *	4.96 *	5.35 *	5.62 *	5.67 *	4.95 *	5.79 *	4.75 *	1.90 *	
22.5	4.66 *	4.48 *	4.98 *	5.37 *	5.63 *	5.68 *	4.96 *	5.79 *	4.77 *	1.94 *	
19.5	3.90 *	3.74 *	4.15 *	4.48 *	4.69 *	4.74 *	4.14 *	4.83 *	3.99 *	1.64 *	
17	3.12 *	3.00 *	3.33 *	3.58 *	3.75 *	3.79 *	3.31 *	3.85 *	3.19 *	1.33 *	
15	3.12 *	3.00 *	3.33 *	3.58 *	3.74 *	3.77 *	3.28 *	3.82 *	3.18 *	1.33 *	
13	3.12 *	2.99 *	3.32 *	3.57 *	3.73 *	3.74 *	3.23 *	3.78 *	3.17 *	1.34 *	
11	3.10 *	2.98 *	3.31 *	3.56 *	3.70 *	3.68 *	3.18 *	3.73 *	3.15 *	1.34 *	
9	3.09 *	2.96 *	3.29 *	3.53 *	3.65 *	3.62 *	3.12 *	3.68 *	3.13 *	1.34 *	
7	3.06 *	2.94 *	3.26 *	3.49 *	3.60 *	3.55 *	3.06 *	3.62 *	3.11 *	1.35 *	
5	3.03 *	2.90 *	3.22 *	3.45 *	3.55 *	3.48 *	2.99 *	3.56 *	3.08 *	1.34 *	
3	2.99 *	2.87 *	3.18 *	3.40 *	3.49 *	3.41 *	2.93 *	3.50 *	3.05 *	1.34 *	
1	1.48 *	1.42 *	1.57 *	1.68 *	1.72 *	1.68 *	1.44 *	1.72 *	1.51 *	0.67 *	
0	1.47 *	1.40 *	1.55 *	1.66 *	1.70 *	1.66 *	1.42 *	1.71 *	1.50 *	0.66 *	
-1	2.88 *	2.76 *	3.05 *	3.25 *	3.34 *	3.26 *	2.80 *	3.38 *	2.98 *	1.32 *	
-3	2.81 *	2.68 *	2.96 *	3.15 *	3.24 *	3.18 *	2.74 *	3.32 *	2.94 *	1.30 *	
-5	2.73 *	2.60 *	2.87 *	3.05 *	3.14 *	3.10 *	2.68 *	3.26 *	2.90 *	1.29 *	
-7	2.63 *	2.51 *	2.77 *	2.94 *	3.04 *	3.01 *	2.62 *	3.19 *	2.85 *	1.27 *	
-9	2.52 *	2.40 *	2.66 *	2.84 *	2.93 *	2.92 *	2.56 *	3.13 *	2.80 *	1.25 *	
-11	2.40 *	2.29 *	2.55 *	2.74 *	2.84 *	2.83 *	2.49 *	3.06 *	2.76 *	1.23 *	
-13	2.28 *	2.19 *	2.44 *	2.64 *	2.75 *	2.75 *	2.43 *	2.99 *	2.70 *	1.21 *	
-15	2.17 *	2.09 *	2.34 *	2.54 *	2.66 *	2.67 *	2.36 *	2.93 *	2.65 *	1.18 *	
-17	2.56 *	2.49 *	2.80 *	3.05 *	3.21 *	3.23 *	2.87 *	3.56 *	3.23 *	1.44 *	
-19.5	2.88 *	2.81 *	3.18 *	3.48 *	3.67 *	3.72 *	3.31 *	4.13 *	3.76 *	1.67 *	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMENS TABULATION - (Cont.)

-22.5	2.67 *	2.63 *	2.99 *	3.28 *	3.48 *	3.54 *	3.16 *	3.95 *	3.61 *	1.60 *
-25.5	2.86 *	2.83 *	3.24 *	3.57 *	3.80 *	3.90 *	3.49 *	4.35 *	3.99 *	1.76 *
-29	2.92 *	2.92 *	3.36 *	3.72 *	3.97 *	4.11 *	3.71 *	4.62 *	4.26 *	1.87 *
-33	2.81 *	2.82 *	3.28 *	3.66 *	3.93 *	4.10 *	3.76 *	4.71 *	4.35 *	1.89 *
-37.5	2.49 *	2.52 *	2.97 *	3.34 *	3.62 *	3.84 *	3.58 *	4.52 *	4.14 *	1.76 *
-42.5	1.90 *	1.92 *	2.28 *	2.58 *	2.83 *	3.05 *	2.88 *	3.69 *	3.36 *	1.37 *
-47.5	1.90 *	1.88 *	2.23 *	2.59 *	2.88 *	3.13 *	3.00 *	3.99 *	3.72 *	1.50
-55	1.24	1.20	1.41	1.68	1.88	2.01	2.01	2.83 *	2.71	1.10
-65	0.46	0.44	0.50	0.57	0.62	0.63	0.64	0.93	0.87	0.35
-75	0.12	0.11	0.12	0.13	0.14	0.14	0.13	0.17	0.15	0.06
-85	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
-90	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	136.06	131.93	148.41	162.04	171.34	174.10	153.58	183.25	152.00	59.74

Vert. Angles	Horizontal Angles			<u>Total</u>
	<u>75</u>	<u>85</u>	<u>90</u>	
90				
	0.00	0.00	0.11	
85				
	0.01	0.00	6.63	
75				
	0.04	0.00	50.41	
65				
	0.14	0.00	130.29	
55				
	0.21	0.00	146.80	
47.5				
	0.22	0.00	113.94	
42.5				
	0.29	0.00	121.79	
37.5				
	0.32	0.00	114.65	
33				
	0.33	0.00	104.91	
29				
	0.32	0.00	93.43	
25.5				
	0.29	0.00	80.94	
22.5				
	0.30	0.00	81.48	
19.5				
	0.26	0.00	68.19	
17				
	0.21	0.00	54.64	

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMENS TABULATION - (Cont.)

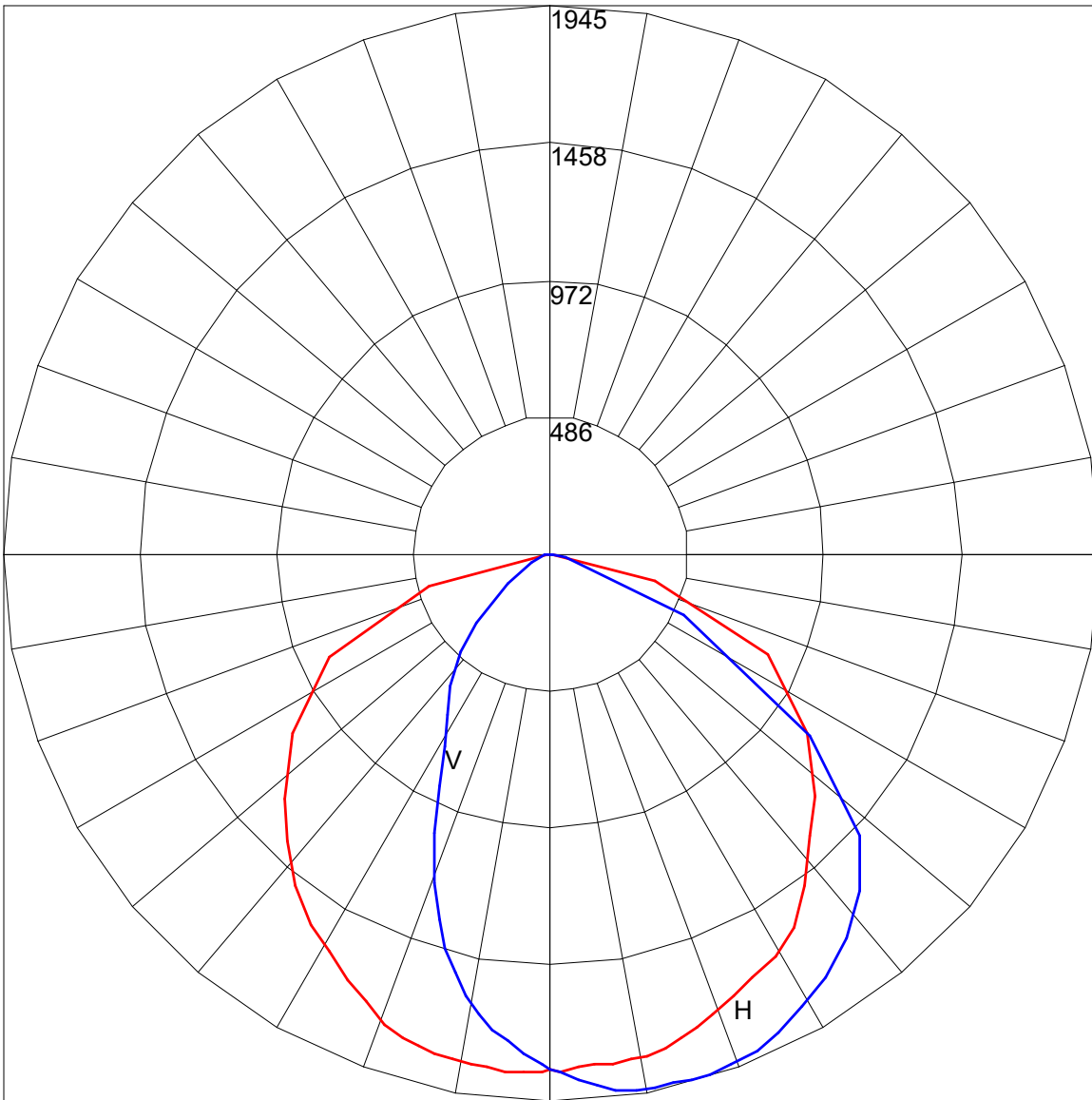
15	0.22	0.00	54.60
13	0.22	0.00	54.44
11	0.22	0.00	54.12
9	0.22	0.00	53.67
7	0.22	0.00	53.11
5	0.23	0.00	52.44
3	0.22	0.00	51.73
1	0.11	0.00	25.60
0	0.11	0.00	25.37
-1	0.22	0.00	49.90
-3	0.22	0.00	48.74
-5	0.22	0.00	47.49
-7	0.21	0.00	46.11
-9	0.21	0.00	44.59
-11	0.21	0.00	42.99
-13	0.20	0.00	41.32
-15	0.20	0.00	39.60
-17	0.24	0.00	47.03
-19.5	0.28	0.00	52.84
-22.5	0.26	0.00	48.95
-25.5	0.28	0.00	52.39
-29	0.29	0.00	54.00
-33	0.28	0.00	53.26
-37.5	0.25	0.00	49.10
-42.5	0.19	0.00	38.56
-47.5	0.21	0.00	39.50
-55	0.15	0.00	26.25
-65	0.05	0.00	9.14

IES FLOOD REPORT
PHOTOMETRIC FILENAME : MIMDCOWPKSR-LED45DMVBZ50.IES

LUMENS TABULATION - (Cont.)

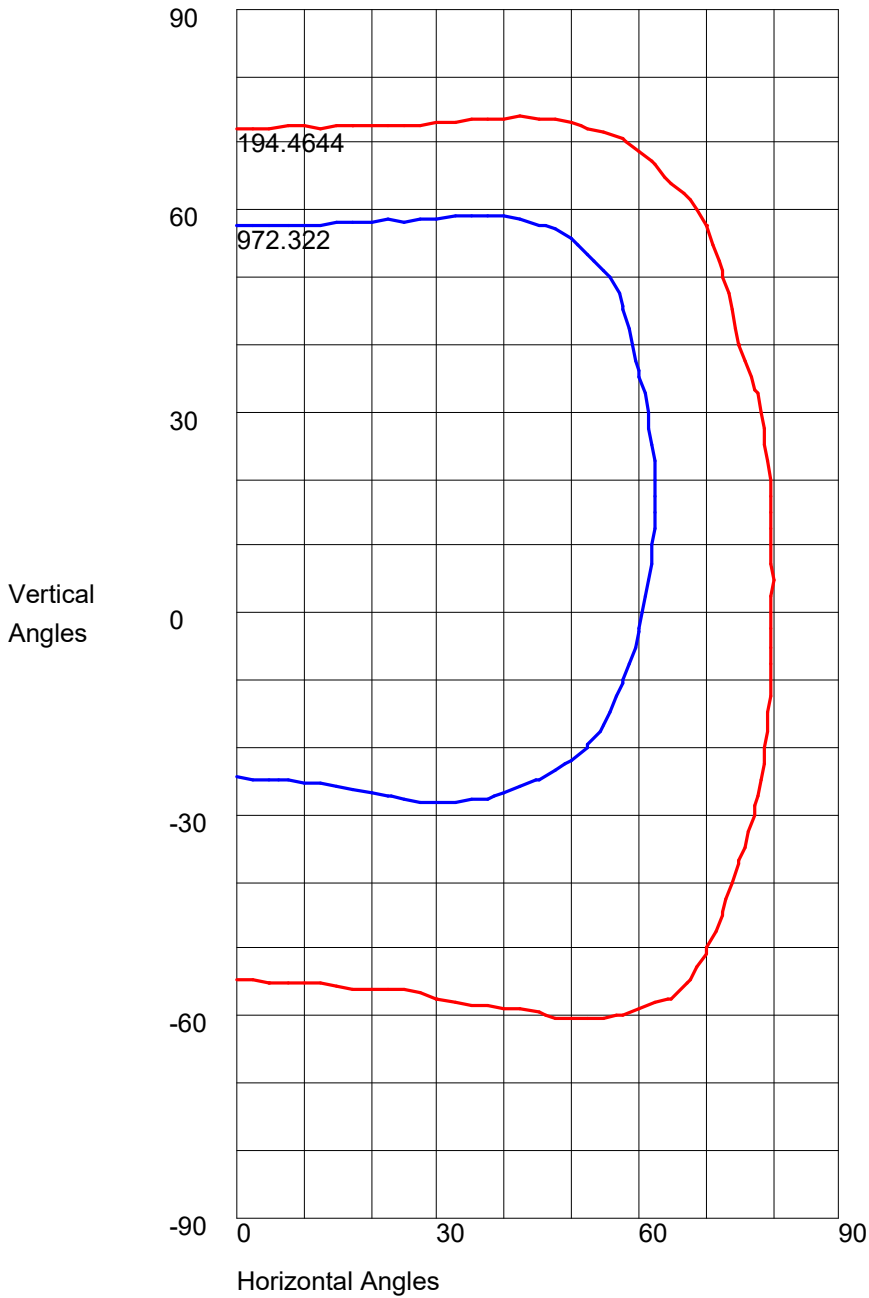
-75	0.01	0.00	2.09
-85	0.00	0.00	0.10
-90			
Total	8.91	0.03	2427.26

AXIAL CANDELA DISPLAY



Maximum Candela = 1944.644 Located At Horizontal Angle = 7, Vertical Angle = 13
H - Horizontal Axial Candela
V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 1944.644 Located At Horizontal Angle = 7, Vertical Angle = 13
50% Maximum Candela = 972.322
10% Maximum Candela = 194.4644