



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MW4AS48LED62DMVXXSF40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] MW4AS48LED62DMVxxSF40
 [TESTDATE] 09-Jul-2018 09:07:21
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 7/9/2018 10:16:26 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [TOTALLUMINAIRELUMENS] 4993.3
 [DRIVER TYPE] (1) OSRAM OT85W
 [BOARD/LAMP TYPE] (1) LED TAPE - 23" & 24"
 [COLOR TEMP] 4,163 CCT
 [LUMEN/WATT] 81 LPW
 [CRI] 84.9
 [NUMBEROFRAYS]10000000
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4995
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	62.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.10 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10127	2603	1203
55	8996	1065	115
65	7642	119	2
75	6166	1	7
85	3211	2	0

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39
3	1529.96	1516.75	1503.33	1491.03	1479.67	1468.01	1460.47	1454.58	1450.43	1450.02
6	1517.14	1491.50	1467.39	1442.34	1420.29	1401.37	1387.07	1373.59	1365.82	1362.83
9	1502.75	1464.19	1425.86	1389.83	1356.51	1330.31	1307.11	1290.81	1280.80	1275.30
12	1482.23	1428.80	1380.03	1334.04	1297.03	1259.71	1230.36	1206.58	1193.27	1187.16
15	1450.46	1384.96	1328.65	1272.98	1221.29	1178.15	1145.74	1123.32	1102.79	1097.84
18	1410.90	1340.80	1272.22	1214.51	1153.01	1098.19	1061.05	1035.80	1017.38	1007.74
21	1368.54	1295.68	1224.96	1158.01	1088.33	1021.74	980.41	952.00	927.15	917.35
24	1325.53	1251.14	1171.23	1084.17	1011.70	941.21	891.35	858.78	833.95	826.55
27	1282.36	1199.21	1106.98	1007.67	928.15	860.33	807.17	765.08	738.81	734.76
30	1235.98	1140.65	1036.57	935.30	846.95	771.66	717.20	679.40	646.38	640.60
33	1183.31	1081.01	969.47	863.80	773.50	686.46	625.67	587.88	553.81	543.92
36	1124.98	1014.09	891.38	789.72	690.93	606.05	540.14	496.27	464.30	450.31
39	1063.18	946.41	820.12	705.09	605.14	521.70	451.87	411.80	378.09	364.85
42	1002.72	875.26	747.01	621.90	522.82	435.75	370.74	321.72	291.14	284.63
45	945.64	800.88	667.97	541.07	441.17	351.80	287.43	239.24	210.21	207.66
48	880.26	727.98	599.68	469.10	363.99	274.33	209.48	167.23	139.15	133.05
51	798.82	661.48	529.81	398.63	289.41	204.00	141.77	104.86	80.47	73.03
54	721.92	596.11	462.51	317.55	216.36	136.44	79.10	53.82	35.09	26.71
57	666.58	519.47	380.95	246.17	151.49	79.40	35.32	15.11	9.64	5.47
60	607.80	449.17	302.44	179.88	94.22	35.50	8.39	5.52	3.49	2.36
63	522.16	378.05	238.85	119.58	47.36	11.65	2.51	1.55	1.91	0.91
66	434.17	302.30	171.38	69.56	16.08	3.05	1.09	0.34	0.39	0.11
69	366.68	233.87	116.44	31.19	3.79	1.39	0.81	0.00	0.31	0.20
72	316.58	175.27	63.45	12.40	0.99	0.41	0.28	0.46	0.00	0.17
75	254.37	116.81	26.41	3.54	0.28	0.00	0.00	0.05	0.00	1.04
78	187.52	63.59	9.98	0.56	0.50	0.28	0.25	0.17	0.10	0.31
81	136.76	31.92	2.81	0.27	0.25	0.25	0.06	0.12	0.19	0.16
84	80.56	11.44	0.57	0.25	0.27	0.15	0.00	0.12	0.20	0.00
87	37.33	3.45	0.17	0.35	0.09	0.08	0.04	0.16	0.12	0.00
90	10.77	0.59	0.00	0.15	0.00	0.00	0.00	0.17	0.00	0.00
93	1.67	0.68	0.24	0.08	0.24	0.68	0.02	0.07	0.22	0.00
96	0.09	0.05	0.00	0.03	0.15	0.06	0.00	0.00	0.05	0.00
99	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39
3	1449.29	1452.33	1457.12	1463.59	1474.38	1485.55	1497.20	1510.99	1524.85	1538.77
6	1363.98	1370.37	1382.64	1396.10	1414.34	1435.64	1460.22	1484.67	1511.11	1538.29
9	1276.80	1284.25	1300.67	1326.59	1355.72	1391.25	1427.19	1465.78	1502.45	1538.84
12	1187.20	1197.03	1223.44	1260.65	1304.51	1345.90	1393.34	1441.44	1490.60	1537.33
15	1101.03	1120.19	1147.76	1189.59	1239.41	1291.50	1347.50	1403.01	1466.29	1530.04
18	1022.35	1043.75	1072.61	1114.51	1165.93	1225.79	1287.54	1359.46	1433.97	1521.44
21	933.34	961.75	989.94	1026.96	1083.36	1151.02	1227.53	1311.40	1399.45	1495.77
24	836.26	861.75	892.85	935.85	995.02	1067.97	1159.69	1259.32	1360.22	1455.22
27	739.83	761.62	805.28	854.38	915.95	996.40	1087.83	1198.49	1313.76	1414.19
30	649.53	672.31	716.27	770.47	842.15	930.29	1015.06	1134.15	1266.20	1370.81
33	559.96	577.72	626.60	686.81	769.80	864.28	951.03	1070.22	1222.00	1322.58
36	471.28	484.77	541.22	604.61	682.10	792.40	883.93	998.24	1170.49	1270.08
39	383.98	402.66	451.51	519.43	594.47	705.55	822.42	929.62	1102.91	1211.31
42	295.82	319.65	371.57	434.27	519.78	623.60	757.33	861.64	1033.00	1153.06
45	214.22	241.78	291.18	349.65	448.83	544.26	682.21	795.83	974.06	1099.34
48	143.88	168.97	213.02	268.98	372.12	469.06	601.92	732.44	915.82	1045.61
51	82.36	98.53	141.76	198.52	290.72	397.15	513.46	670.52	846.25	994.31
54	27.71	44.95	80.13	135.62	214.39	318.73	439.47	602.98	770.36	933.87
57	8.78	13.77	32.08	82.45	151.07	246.77	364.11	531.27	695.61	866.99
60	3.02	5.84	11.43	35.00	92.35	177.02	293.61	455.91	621.92	793.81
63	1.79	1.14	2.57	10.54	38.32	116.24	232.57	379.21	547.58	721.53
66	0.63	1.23	1.31	3.59	12.38	67.22	163.15	302.79	472.51	645.20
69	0.44	0.08	0.04	1.33	2.68	23.82	106.19	232.23	397.29	567.72
72	0.00	0.08	0.04	0.34	0.25	8.13	60.10	167.31	323.46	489.48
75	0.04	0.20	0.00	0.75	0.32	2.64	23.37	106.44	252.57	412.90
78	0.11	0.12	0.20	0.00	0.45	0.20	6.91	55.73	185.20	338.11
81	0.12	0.20	0.12	0.17	0.19	0.44	2.34	23.32	120.52	258.49
84	0.07	0.29	0.00	0.18	0.25	0.48	0.96	9.27	69.31	200.43
87	0.20	0.14	0.20	0.17	0.12	0.44	0.62	4.04	28.89	137.39
90	0.08	0.13	0.00	0.10	0.04	0.40	0.56	1.40	7.79	85.91
93	0.00	0.19	0.21	0.03	0.17	0.44	0.89	0.46	1.84	29.73
96	0.00	0.17	0.03	0.03	0.00	0.05	0.07	0.04	0.33	3.54
99	0.00	0.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.30
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>200</u>	<u>210</u>	<u>220</u>	<u>230</u>	<u>240</u>	<u>250</u>	<u>260</u>	<u>270</u>	<u>280</u>	<u>290</u>
0	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39
3	1552.75	1568.83	1580.70	1594.12	1603.07	1609.54	1613.63	1613.52	1612.97	1608.40
6	1568.51	1599.15	1625.39	1647.60	1665.34	1679.84	1686.89	1687.52	1682.31	1672.00
9	1580.65	1618.56	1660.01	1693.25	1722.64	1742.80	1753.81	1756.52	1748.28	1731.77
12	1583.18	1631.77	1680.07	1724.64	1761.08	1791.45	1810.92	1817.95	1809.18	1785.02
15	1591.71	1649.02	1706.83	1761.44	1799.66	1828.56	1856.90	1869.69	1862.19	1830.25
18	1600.16	1666.11	1729.59	1798.87	1842.38	1865.60	1892.59	1914.10	1906.31	1877.86
21	1586.06	1664.08	1737.01	1820.54	1878.63	1898.48	1925.48	1953.83	1948.24	1918.15
24	1551.75	1638.00	1725.43	1823.46	1902.59	1929.87	1958.26	1988.35	1981.97	1948.39
27	1511.52	1620.18	1722.31	1817.72	1908.32	1953.92	1992.23	2015.83	2001.44	1960.15
30	1484.29	1604.28	1721.52	1819.51	1905.14	1964.53	2017.31	2032.62	2008.58	1963.05
33	1448.04	1586.49	1711.92	1818.52	1895.11	1963.56	2021.38	2035.41	2007.30	1961.67
36	1411.52	1563.41	1688.08	1796.52	1878.64	1958.74	2008.49	2023.68	1999.18	1957.08
39	1379.66	1514.19	1641.27	1765.16	1859.81	1941.42	1994.20	1999.89	1988.75	1939.53
42	1317.58	1454.75	1607.60	1734.42	1841.62	1912.71	1971.53	1974.97	1966.44	1908.72
45	1278.91	1393.39	1580.97	1697.32	1811.31	1878.22	1937.15	1955.79	1928.83	1875.88
48	1214.05	1347.17	1540.13	1643.89	1763.49	1828.45	1897.27	1924.77	1885.09	1837.77
51	1133.99	1305.67	1465.25	1589.73	1714.88	1768.71	1852.79	1866.57	1842.66	1785.76
54	1068.75	1226.10	1377.47	1544.77	1659.41	1727.21	1791.62	1798.82	1790.34	1730.24
57	997.80	1140.84	1322.94	1481.86	1592.78	1684.56	1723.39	1740.39	1729.99	1670.82
60	932.56	1066.75	1265.49	1405.98	1521.12	1617.67	1653.79	1681.77	1661.10	1604.13
63	880.44	1013.73	1174.10	1330.85	1451.47	1543.39	1591.50	1611.17	1593.20	1535.14
66	805.37	961.02	1093.58	1259.32	1375.98	1465.51	1524.97	1536.41	1524.24	1459.27
69	727.36	875.88	1024.26	1177.95	1298.56	1384.29	1439.18	1466.29	1445.75	1379.47
72	652.30	797.61	962.01	1096.58	1219.71	1307.64	1348.84	1393.35	1361.52	1310.40
75	576.57	726.81	882.17	1023.06	1133.34	1227.99	1266.94	1309.54	1276.86	1242.93
78	501.92	661.99	810.53	938.67	1049.98	1140.24	1192.54	1220.28	1198.46	1154.20
81	427.35	585.66	717.39	837.39	948.87	1051.09	1093.47	1125.62	1106.39	1061.58
84	350.73	518.88	627.71	766.58	879.32	983.07	1014.58	1045.77	1027.80	981.85
87	277.07	419.60	554.35	682.08	799.27	883.07	939.57	960.97	940.98	887.03
90	221.64	354.12	474.14	608.00	707.66	777.98	855.99	902.95	841.21	796.54
93	116.60	202.70	252.54	332.18	394.56	465.65	418.24	443.48	396.81	452.77
96	17.09	22.38	34.64	39.71	51.62	66.34	50.50	38.06	40.67	60.75
99	0.12	0.17	0.86	1.02	4.48	9.96	8.71	4.67	9.75	12.49
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MW4AS48LED62DMVXXSF40.IES

CANDELA TABULATION - (Cont.)

108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39	1534.39
3	1601.81	1593.20	1580.85	1570.16	1555.71	1542.93	1529.96
6	1655.47	1637.85	1618.05	1595.49	1569.17	1542.27	1517.14
9	1707.46	1678.26	1650.47	1616.83	1582.36	1540.84	1502.75
12	1747.11	1709.08	1673.01	1635.95	1588.93	1536.44	1482.23
15	1786.75	1738.84	1692.78	1646.48	1586.06	1516.26	1450.46
18	1833.01	1774.28	1716.74	1658.46	1575.56	1491.87	1410.90
21	1873.14	1805.83	1740.29	1670.32	1564.85	1462.08	1368.54
24	1896.30	1816.81	1739.46	1654.07	1547.72	1433.78	1325.53
27	1902.37	1816.92	1732.91	1631.19	1516.37	1407.59	1282.36
30	1902.55	1817.81	1724.50	1608.93	1489.17	1373.53	1235.98
33	1892.16	1809.63	1704.79	1583.63	1452.12	1330.82	1183.31
36	1875.91	1786.48	1677.41	1551.02	1410.78	1283.21	1124.98
39	1857.93	1757.85	1637.10	1496.93	1367.29	1221.95	1063.18
42	1831.43	1724.69	1604.38	1447.23	1309.49	1156.33	1002.72
45	1790.98	1690.39	1569.72	1397.91	1251.26	1095.09	945.64
48	1739.20	1643.54	1520.06	1344.83	1200.74	1035.10	880.26
51	1691.65	1585.16	1451.60	1282.76	1141.83	976.69	798.82
54	1648.34	1528.51	1377.70	1211.79	1088.02	909.00	721.92
57	1597.88	1460.75	1327.18	1157.89	1020.83	845.19	666.58
60	1529.51	1392.13	1270.30	1089.91	941.92	787.21	607.80
63	1456.47	1326.78	1195.77	1020.02	871.69	717.86	522.16
66	1381.34	1260.57	1125.48	961.80	796.89	627.72	434.17
69	1302.22	1185.71	1048.27	887.67	732.00	549.81	366.68
72	1221.43	1107.77	974.58	815.54	658.40	488.82	316.58
75	1136.11	1035.53	885.05	743.19	575.32	418.18	254.37
78	1054.33	954.22	806.09	669.13	500.75	340.80	187.52

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	976.60	869.92	739.68	605.67	452.42	278.58	136.76
84	907.79	786.10	655.55	527.84	369.26	216.76	80.56
87	824.84	708.63	584.87	447.00	291.46	148.27	37.33
90	738.60	619.64	502.75	362.60	224.15	91.68	10.77
93	349.86	290.25	207.72	147.55	89.73	20.47	1.67
96	42.36	24.20	21.37	10.58	6.99	1.32	0.09
99	11.01	7.02	4.65	4.46	2.60	0.51	0.05
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MW4AS48LED62DMVXXSF40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	457.11	N.A.	9.20
0-30	1187.8	N.A.	23.80
0-40	1864.63	N.A.	37.30
0-60	3447.16	N.A.	69.00
0-80	4468.68	N.A.	89.50
0-90	4905.3	N.A.	98.20
10-90	4787.76	N.A.	95.90
20-40	1407.52	N.A.	28.20
20-50	2113.51	N.A.	42.30
40-70	2144.73	N.A.	42.90
60-80	1021.51	N.A.	20.50
70-80	459.31	N.A.	9.20
80-90	436.63	N.A.	8.70
90-110	89.69	N.A.	1.80
90-120	89.69	N.A.	1.80
90-130	89.69	N.A.	1.80
90-150	89.69	N.A.	1.80
90-180	89.69	N.A.	1.80
110-180	0.00	N.A.	0.00
0-180	4994.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.54
10-20	339.57
20-30	730.69
30-40	676.83
40-50	705.98
50-60	876.55
60-70	562.20
70-80	459.31
80-90	436.63
90-100	89.32
100-110	0.37
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

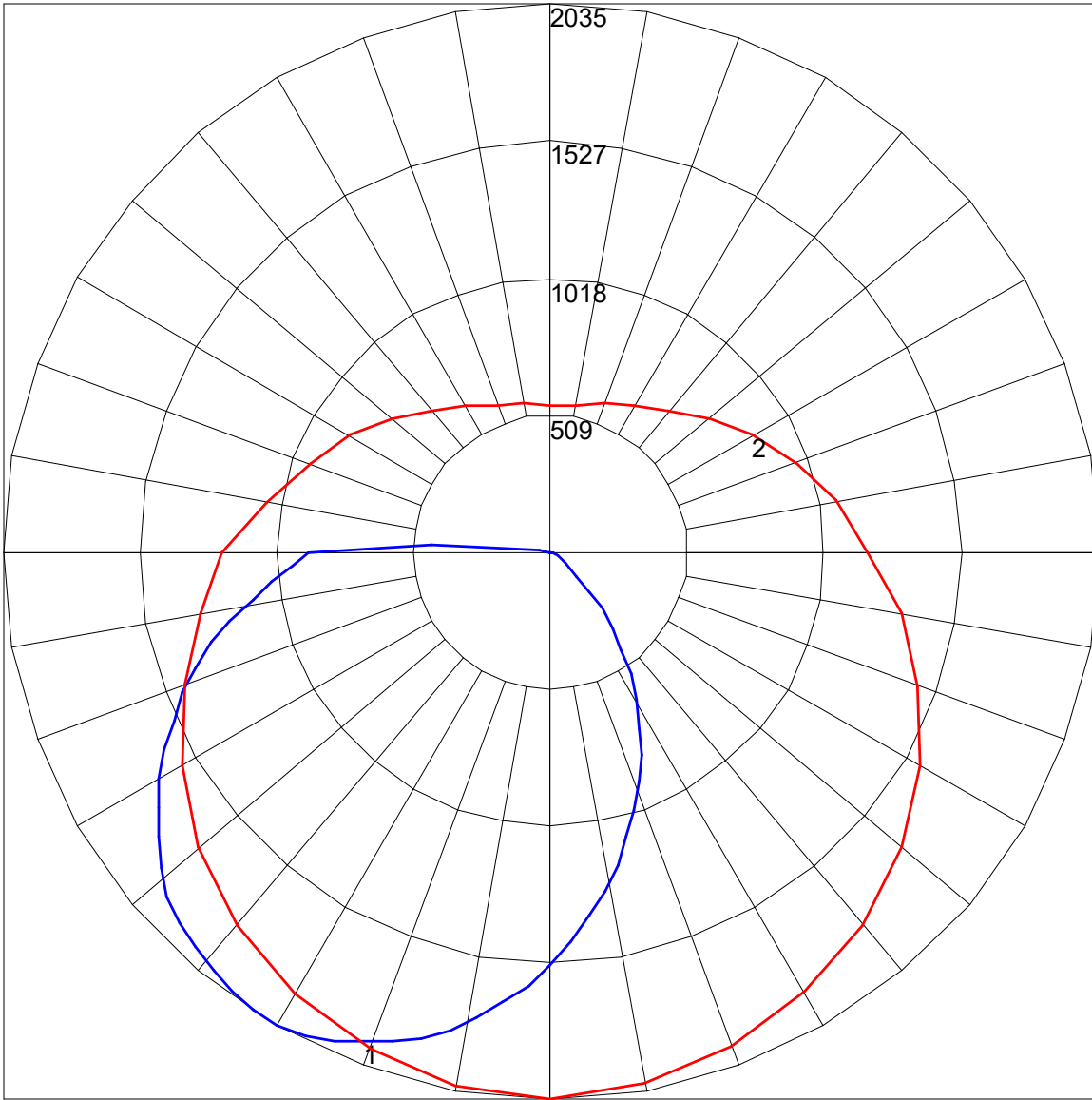
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MW4AS48LED62DMVXXSF40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	105	99	94	89	102	97	92	87	92	88	84	88	84	81	83	81	78	76
2	95	85	77	70	92	83	76	69	79	73	67	75	70	66	72	68	64	61
3	86	74	65	58	83	72	64	57	69	62	56	66	60	54	63	58	53	51
4	78	65	56	48	76	64	55	48	61	53	47	58	51	46	56	50	45	43
5	72	58	48	41	70	57	48	41	54	46	40	52	45	40	50	44	39	37
6	66	52	42	36	64	51	42	35	49	41	35	47	40	34	45	39	34	32
7	61	47	38	31	59	46	37	31	44	36	31	43	36	30	41	35	30	28
8	57	43	34	28	55	42	33	28	40	33	27	39	32	27	38	31	27	25
9	53	39	31	25	52	39	30	25	37	30	24	36	29	24	35	29	24	22
10	50	36	28	22	48	35	28	22	34	27	22	33	27	22	32	26	22	20

POLAR GRAPH



Maximum Candela = 2035.41 Located At Horizontal Angle = 270, Vertical Angle = 33
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (33) (Through Max. Cd.)