



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000657-016
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] 44-48LED48DMVFR30
 [LUMINAIRE] Catalog Number: 44-48LED48DMVFR30
 [MORE] Surface/pendant mounted, white formed steel housing and LED tray, frosted plastic lens
 [MORE] enclosure with white steel endcaps. 128 white LEDs, four Universal Lighting Technologies
 [MORE] Everline M10CC830D32N2S boards with 32 LED each. One Universal Lighting
 [MORE] Technologies Everline D10CC55UNVTZ-C LED driver set at 860mA.
 [MORE] 120.0Vac, 60.0Hz, 0.40A, 48.0W, 0.998PF, 5.14%THD(i)
 [OTHER] Absolute test - lamp lumens value set to -1
 [MORE] NA conventions used for C0 plane alignment and C-plane rotation direction.
 [MORE] The sample was tested at a distance of 9.5m.
 [MORE] This IES file was extrapolated from 44-48LED57DMVFR30
 [DATE] The original file was created: Wednesday, October 12, 2016 2:57:52 PM
 [ISSUE DATE] Wednesday, October 12, 2016 2:57:52 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5670
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.03 m

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11896	10451	9893
55	10356	8837	8478
65	8631	7241	7323
75	6771	5804	6289
85	4723	4623	5390

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	2012.351	2012.351	2012.351	2012.351	2012.351
0.5	2003.325	2006.178	2018.909	2018.224	2008.018
1.0	2002.966	2005.877	2018.633	2017.839	2007.843
1.5	2002.656	2005.425	2018.039	2017.362	2007.500
2.0	2002.046	2004.831	2017.379	2016.576	2006.830
2.5	2001.025	2003.944	2016.542	2015.706	2006.069
3.0	1999.954	2002.815	2015.379	2014.677	2004.998
3.5	1998.683	2001.535	2014.100	2013.481	2003.727
4.0	1997.102	2000.030	2012.686	2011.983	2002.397
4.5	1995.421	1998.482	2010.963	2010.260	2000.824
5.0	1993.505	1996.516	2009.022	2008.395	1999.026
5.5	1991.472	1994.408	2006.864	2006.370	1997.035
6.0	1989.088	1992.200	2004.630	2004.053	1994.802
6.5	1986.704	1989.757	2002.054	2001.552	1992.526
7.0	1983.927	1987.131	1999.352	1998.842	1989.783
7.5	1980.941	1984.312	1996.525	1995.881	1986.947
8.0	1978.046	1981.192	1993.363	1992.652	1983.718
8.5	1974.650	1977.904	1989.958	1989.222	1980.330
9.0	1971.254	1974.533	1986.420	1985.692	1977.001
9.5	1967.607	1970.844	1982.706	1981.978	1973.237
10.0	1963.809	1966.929	1978.716	1977.846	1969.322
10.5	1959.669	1962.889	1974.600	1973.513	1965.106
11.0	1955.586	1958.707	1970.234	1969.205	1960.681
11.5	1950.944	1954.189	1965.557	1964.428	1955.980
12.0	1946.410	1949.522	1960.798	1959.418	1951.136
12.5	1941.575	1944.737	1955.879	1954.382	1946.151
13.0	1936.405	1939.618	1950.601	1949.037	1940.889
13.5	1931.228	1934.381	1945.323	1943.491	1935.443
14.0	1925.757	1928.910	1939.551	1937.627	1929.546
14.5	1920.119	1923.130	1933.712	1931.445	1923.423
15.0	1914.196	1917.450	1927.773	1925.221	1917.350
15.5	1908.215	1911.411	1921.566	1918.789	1911.009
16.0	1901.833	1905.129	1914.907	1911.846	1904.351
16.5	1895.342	1898.537	1908.257	1905.104	1897.458
17.0	1888.692	1891.862	1901.306	1897.893	1890.130
17.5	1881.866	1884.952	1894.296	1890.498	1883.003
18.0	1874.797	1877.850	1886.826	1882.878	1875.441
18.5	1867.495	1870.556	1879.281	1875.073	1867.687
19.0	1859.874	1863.053	1871.393	1866.917	1859.539
19.5	1852.354	1855.307	1863.371	1858.778	1851.350
20.0	1844.583	1847.402	1855.290	1850.137	1842.901
20.5	1836.544	1839.162	1846.716	1841.304	1834.110
21.0	1828.095	1830.772	1838.133	1832.445	1825.276
21.5	1819.822	1822.282	1829.308	1823.352	1816.384
22.0	1810.989	1813.356	1820.124	1813.867	1806.731
22.5	1802.206	1804.297	1810.872	1804.197	1797.086
23.0	1792.979	1795.154	1801.436	1794.443	1787.324
23.5	1783.552	1785.635	1791.724	1784.129	1777.353
24.0	1774.258	1776.040	1781.770	1774.024	1767.156
24.5	1764.505	1766.153	1771.665	1763.493	1756.650
25.0	1754.483	1755.998	1761.134	1752.626	1745.901
25.5	1744.479	1745.784	1750.644	1741.718	1735.035
26.0	1734.182	1735.236	1739.912	1730.693	1724.043
26.5	1723.324	1724.369	1728.870	1719.208	1712.692

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

27.0	1712.625	1713.503	1717.577	1707.589	1701.140
27.5	1701.650	1702.395	1706.268	1695.878	1689.387
28.0	1690.165	1690.901	1694.540	1683.849	1677.442
28.5	1678.981	1679.391	1682.728	1671.628	1665.405
29.0	1667.262	1667.571	1670.817	1659.223	1653.133
29.5	1655.300	1655.425	1658.487	1646.675	1640.452
30.0	1643.413	1643.405	1646.140	1633.977	1627.846
30.5	1631.208	1631.041	1633.492	1620.928	1615.039
31.0	1618.477	1618.259	1620.568	1607.636	1601.814
31.5	1605.846	1605.486	1607.619	1594.402	1588.597
32.0	1593.031	1592.478	1594.536	1580.952	1575.247
32.5	1579.755	1579.212	1581.010	1567.199	1561.528
33.0	1566.522	1565.819	1567.534	1553.447	1547.793
33.5	1553.029	1552.377	1553.841	1539.469	1533.873
34.0	1539.185	1538.365	1539.863	1525.149	1519.845
34.5	1525.341	1524.463	1525.918	1510.995	1505.641
35.0	1511.246	1510.359	1511.765	1496.582	1491.321
35.5	1496.708	1495.846	1497.210	1481.826	1476.581
36.0	1482.136	1481.274	1482.663	1467.020	1462.010
36.5	1467.656	1466.828	1468.216	1452.323	1447.488
37.0	1452.473	1451.796	1453.277	1437.115	1432.381
37.5	1437.567	1436.806	1438.337	1422.083	1417.658
38.0	1422.284	1421.724	1423.321	1406.893	1402.643
38.5	1406.792	1406.265	1408.014	1391.359	1387.352
39.0	1391.233	1390.899	1392.839	1376.101	1372.211
39.5	1375.432	1375.348	1377.431	1360.634	1356.845
40.0	1359.179	1359.555	1361.588	1344.716	1341.319
40.5	1343.285	1343.862	1346.087	1329.332	1326.028
41.0	1327.091	1328.036	1330.520	1313.656	1310.637
41.5	1310.394	1311.941	1314.493	1297.788	1294.935
42.0	1294.074	1295.948	1298.716	1281.978	1279.519
42.5	1277.678	1279.853	1282.789	1266.210	1263.977
43.0	1260.815	1263.424	1266.436	1250.258	1248.209
43.5	1244.177	1247.196	1250.542	1234.339	1232.859
44.0	1227.346	1230.901	1234.239	1218.463	1217.275
44.5	1210.265	1214.272	1217.752	1202.285	1201.239
45.0	1193.418	1197.826	1201.607	1186.517	1185.822
45.5	1176.604	1181.330	1185.404	1170.707	1170.456
46.0	1159.163	1164.517	1168.867	1154.671	1154.688
46.5	1142.065	1147.946	1152.580	1138.878	1139.254
47.0	1125.009	1131.366	1136.134	1123.118	1123.930
47.5	1107.668	1114.394	1119.647	1107.141	1108.488
48.0	1090.420	1097.839	1103.243	1091.432	1093.113
48.5	1073.313	1081.151	1086.722	1075.739	1077.855
49.0	1055.855	1064.287	1070.151	1059.912	1062.439
49.5	1038.665	1047.691	1053.789	1044.496	1047.524
50.0	1021.559	1030.986	1037.461	1029.054	1032.676
50.5	1003.917	1014.055	1020.906	1013.344	1017.477
51.0	986.894	997.543	1004.620	998.120	1002.846
51.5	969.855	980.930	988.383	982.954	988.132
52.0	952.456	964.208	971.971	967.730	973.326
52.5	935.416	947.562	955.777	952.665	958.872
53.0	918.310	931.050	939.624	937.633	944.450
53.5	900.977	914.445	923.270	922.626	930.046
54.0	884.139	898.050	907.393	907.996	915.951
54.5	867.174	881.646	891.433	893.407	901.898

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

55.0	850.001	865.016	875.322	878.693	887.794
55.5	833.313	848.914	859.679	864.347	874.076
56.0	816.641	832.786	844.003	850.202	860.508
56.5	799.769	816.399	828.152	835.898	846.722
57.0	783.064	800.372	812.676	821.870	833.397
57.5	766.493	784.327	797.268	807.967	819.971
58.0	749.788	768.166	781.768	794.056	806.629
58.5	733.410	752.407	766.711	780.429	793.654
59.0	717.081	736.639	751.604	766.912	780.639
59.5	700.786	720.728	736.488	753.461	767.639
60.0	684.717	705.295	721.674	740.252	754.933
60.5	668.798	689.820	707.027	727.128	742.402
61.0	652.520	674.177	692.145	713.844	729.579
61.5	636.752	658.886	677.749	701.029	717.198
62.0	621.235	643.653	663.361	688.239	704.868
62.5	605.350	628.370	649.082	675.507	692.497
63.0	590.017	613.497	635.046	662.951	680.367
63.5	574.701	598.591	621.151	650.513	668.288
64.0	559.276	583.668	607.165	638.082	656.125
64.5	544.344	569.088	593.656	625.894	644.423
65.0	529.404	554.474	580.146	613.748	632.603
65.5	514.431	539.718	566.679	601.586	620.616
66.0	499.825	525.456	553.453	589.749	609.072
66.5	485.329	511.336	540.471	577.980	597.529
67.0	470.749	497.023	527.455	566.135	585.834
67.5	456.545	483.204	514.657	554.533	574.466
68.0	442.433	469.360	502.034	543.089	563.157
68.5	428.355	455.483	489.419	531.604	551.831
69.0	414.687	442.065	477.198	520.286	540.630
69.5	401.060	428.606	465.069	509.127	529.454
70.0	387.308	415.247	452.898	497.810	518.187
70.5	374.008	402.156	441.045	486.843	507.279
71.0	361.033	389.357	429.409	475.943	496.262
71.5	347.825	376.458	417.673	464.952	485.446
72.0	335.068	363.936	406.288	454.245	474.613
72.5	322.571	351.598	395.079	443.646	463.965
73.0	310.015	339.552	383.861	432.956	453.274
73.5	297.903	327.440	372.962	422.583	442.726
74.0	285.715	315.570	362.071	412.093	432.178
74.5	273.878	303.884	351.397	401.813	421.738
75.0	262.285	292.599	340.982	391.691	411.525
75.5	250.908	281.399	330.668	381.712	401.328
76.0	239.532	270.273	320.413	371.615	391.097
76.5	228.482	259.516	310.434	361.870	381.218
77.0	217.774	248.984	300.663	352.233	371.289
77.5	207.017	238.553	290.901	342.547	361.443
78.0	196.636	228.356	281.357	333.027	351.765
78.5	186.289	218.368	272.013	323.767	342.120
79.0	176.159	208.464	262.669	314.399	332.634
79.5	166.480	198.995	253.736	305.314	323.291
80.0	156.794	189.609	244.844	296.355	314.156
80.5	147.207	180.400	236.060	287.346	304.938
81.0	138.098	171.416	227.603	278.722	296.096
81.5	129.080	162.674	219.213	270.173	287.229
82.0	120.146	153.991	210.923	261.599	278.471
82.5	111.480	145.584	202.851	253.284	269.863

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

83.0	103.065	137.403	194.980	245.061	261.473
83.5	94.734	129.281	187.066	236.955	253.117
84.0	86.544	121.435	179.538	229.025	245.036
84.5	78.598	113.731	172.009	221.279	237.022
85.0	70.642	106.068	164.590	213.492	229.000
85.5	63.131	98.749	157.362	206.038	221.363
86.0	55.510	91.455	150.277	198.552	213.684
86.5	47.990	84.194	143.125	191.140	206.047
87.0	40.654	77.109	136.165	183.930	198.828
87.5	33.326	70.132	129.448	177.104	191.935
88.0	26.090	63.122	122.731	170.830	185.603
88.5	18.880	56.280	116.633	165.543	180.266
89.0	11.661	49.763	111.765	160.943	175.698
89.5	0.000	44.418	107.892	156.911	171.549
90.0	0.000	41.273	104.738	153.381	167.869
90.5	0.000	39.600	102.363	150.503	164.807
91.0	0.000	39.399	100.974	148.320	162.482
91.5	0.000	39.391	100.497	147.073	160.934
92.0	0.000	39.249	100.221	146.270	159.838
92.5	0.000	39.081	99.886	145.534	158.818
93.0	0.000	39.073	99.552	144.815	157.965
93.5	0.000	38.973	99.259	144.162	157.128
94.0	0.000	38.872	98.916	143.468	156.333
94.5	0.000	38.747	98.682	142.832	155.581
95.0	0.000	38.646	98.280	142.197	154.752
95.5	0.000	38.504	98.055	141.561	153.991
96.0	0.000	38.462	97.703	140.967	153.330
96.5	0.000	38.320	97.344	140.323	152.628
97.0	0.000	38.228	97.017	139.888	152.034
97.5	0.000	38.077	96.691	139.269	151.398
98.0	0.000	37.910	96.373	138.725	150.779
98.5	0.000	37.852	95.955	138.115	150.127
99.0	0.000	37.735	95.662	137.579	149.583
99.5	0.000	37.676	95.210	137.102	148.997
100.0	0.000	37.584	94.842	136.492	148.412
100.5	0.000	37.450	94.499	136.007	147.860
101.0	0.000	37.249	94.115	135.480	147.266
101.5	0.000	37.174	93.730	134.927	146.739
102.0	0.000	37.040	93.320	134.367	146.195
102.5	0.000	36.881	92.927	133.848	145.710
103.0	0.000	36.814	92.525	133.229	145.116
103.5	0.000	36.706	92.057	132.677	144.522
104.0	0.000	36.513	91.664	132.092	143.962
104.5	0.000	36.354	91.187	131.481	143.326
105.0	0.000	36.220	90.794	130.829	142.799
105.5	0.000	36.062	90.283	130.251	142.180
106.0	0.000	35.894	89.756	129.565	141.461
106.5	0.000	35.752	89.347	129.005	140.883
107.0	0.000	35.601	88.811	128.219	140.206
107.5	0.000	35.451	88.309	127.483	139.428
108.0	0.000	35.250	87.816	126.847	138.700
108.5	0.000	35.108	87.255	126.069	137.964
109.0	0.000	34.924	86.678	125.316	137.270
109.5	0.000	34.698	86.084	124.496	136.450
110.0	0.000	34.447	85.540	123.668	135.572
110.5	0.000	34.263	84.938	122.890	134.752

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

111.0	0.000	34.054	84.336	122.070	133.798
111.5	0.000	33.853	83.834	121.242	132.995
112.0	0.000	33.519	83.090	120.297	132.058
112.5	0.000	33.259	82.504	119.410	131.146
113.0	0.000	33.058	81.810	118.499	130.159
113.5	0.000	32.849	81.191	117.578	129.139
114.0	0.000	32.573	80.471	116.650	128.127
114.5	0.000	32.339	79.752	115.629	127.123
115.0	0.000	32.004	79.099	114.667	126.094
115.5	0.000	31.712	78.388	113.630	125.048
116.0	0.000	31.544	77.636	112.626	123.944
116.5	0.000	31.243	76.908	111.522	122.857
117.0	0.000	30.950	76.172	110.468	121.702
117.5	0.000	30.633	75.469	109.481	120.590
118.0	0.000	30.390	74.658	108.410	119.369
118.5	0.000	30.072	73.813	107.356	118.206
119.0	0.000	29.738	73.085	106.252	116.901
119.5	0.000	29.495	72.349	105.156	115.721
120.0	0.000	29.177	71.512	103.994	114.458
120.5	0.000	28.968	70.760	102.881	113.245
121.0	0.000	28.700	69.990	101.718	111.882
121.5	0.000	28.433	69.304	100.464	110.652
122.0	0.000	28.148	68.534	99.334	109.347
122.5	0.000	27.872	67.664	98.080	108.084
123.0	0.000	27.604	66.861	96.942	106.771
123.5	0.000	27.345	66.042	95.746	105.483
124.0	0.000	27.103	65.222	94.558	104.211
124.5	0.000	26.860	64.427	93.370	102.856
125.0	0.000	26.609	63.599	92.216	101.568
125.5	0.000	26.325	62.838	91.036	100.221
126.0	0.000	26.141	62.010	89.832	98.933
126.5	0.000	25.915	61.240	88.661	97.653
127.0	0.000	25.572	60.429	87.423	96.264
127.5	0.000	25.396	59.609	86.260	95.001
128.0	0.000	25.103	58.848	85.055	93.688
128.5	0.000	24.827	58.053	83.893	92.375
129.0	0.000	24.593	57.275	82.680	91.036
129.5	0.000	24.359	56.506	81.592	89.723
130.0	0.000	24.100	55.636	80.371	88.334
130.5	0.000	23.782	54.933	79.233	87.055
131.0	0.000	23.514	54.096	78.020	85.741
131.5	0.000	23.288	53.310	76.883	84.537
132.0	0.000	23.037	52.582	75.703	83.165
132.5	0.000	22.728	51.771	74.557	81.868
133.0	0.000	22.468	51.001	73.403	80.647
133.5	0.000	22.142	50.265	72.165	79.359
134.0	0.000	21.908	49.479	71.086	78.012
134.5	0.000	21.624	48.701	69.873	76.665
135.0	0.000	21.347	47.982	68.727	75.377
135.5	0.000	20.988	47.170	67.614	74.114
136.0	0.000	20.804	46.367	66.477	72.801
136.5	0.000	20.528	45.639	65.339	71.588
137.0	0.000	20.185	44.836	64.151	70.283
137.5	0.000	19.867	44.100	63.039	69.020
138.0	0.000	19.549	43.364	61.842	67.731
138.5	0.000	19.265	42.595	60.772	66.569

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	18.922	41.817	59.626	65.205
139.5	0.000	18.620	41.147	58.538	64.051
140.0	0.000	18.311	40.328	57.468	62.804
140.5	0.000	17.993	39.642	56.372	61.575
141.0	0.000	17.608	38.906	55.226	60.395
141.5	0.000	17.349	38.186	54.205	59.233
142.0	0.000	17.006	37.442	53.134	58.045
142.5	0.000	16.646	36.672	52.080	56.907
143.0	0.000	16.270	36.003	51.068	55.694
143.5	0.000	15.868	35.267	49.998	54.531
144.0	0.000	15.592	34.547	48.994	53.461
144.5	0.000	15.224	33.878	47.990	52.323
145.0	0.000	14.865	33.184	46.919	51.227
145.5	0.000	14.480	32.540	45.949	50.056
146.0	0.000	14.145	31.846	44.954	49.036
146.5	0.000	13.819	31.109	43.983	47.898
147.0	0.000	13.409	30.465	42.996	46.836
147.5	0.000	13.074	29.771	41.967	45.748
148.0	0.000	12.757	29.119	41.022	44.728
148.5	0.000	12.338	28.491	40.085	43.724
149.0	0.000	12.037	27.797	39.173	42.661
149.5	0.000	11.711	27.128	38.253	41.549
150.0	0.000	11.318	26.484	37.316	40.528
150.5	0.000	10.967	25.823	36.430	39.566
151.0	0.000	10.657	25.262	35.451	38.579
151.5	0.000	10.314	24.593	34.581	37.642
152.0	0.000	9.971	23.966	33.694	36.689
152.5	0.000	9.687	23.355	32.841	35.660
153.0	0.000	9.377	22.770	31.929	34.731
153.5	0.000	9.118	22.125	31.118	33.920
154.0	0.000	8.741	21.506	30.281	32.883
154.5	0.000	8.424	20.887	29.411	32.038
155.0	0.000	8.173	20.260	28.642	31.093
155.5	0.000	7.813	19.700	27.780	30.214
156.0	0.000	7.554	19.081	27.011	29.336
156.5	0.000	7.261	18.487	26.208	28.474
157.0	0.000	7.002	17.809	25.438	27.671
157.5	0.000	6.709	17.215	24.727	26.852
158.0	0.000	6.525	16.613	23.966	26.049
158.5	0.000	6.173	15.944	23.255	25.254
159.0	0.000	5.964	15.341	22.519	24.443
159.5	0.000	5.747	14.789	21.858	23.665
160.0	0.000	5.429	14.187	21.063	22.895
160.5	0.000	5.195	13.618	20.352	22.151
161.0	0.000	0.000	13.049	19.649	21.364
161.5	0.000	0.000	12.447	18.913	20.595
162.0	0.000	0.000	11.987	18.252	19.875
162.5	0.000	0.000	11.418	17.583	19.097
163.0	0.000	0.000	10.916	16.881	18.319
163.5	0.000	0.000	10.398	16.195	17.608
164.0	0.000	0.000	9.787	15.559	16.922
164.5	0.000	0.000	9.377	14.873	16.195
165.0	0.000	0.000	8.817	14.229	15.484
165.5	0.000	0.000	8.323	13.593	14.731
166.0	0.000	0.000	7.813	12.874	13.986
166.5	0.000	0.000	7.411	12.179	13.359

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

CANDELA TABULATION - (Cont.)

167.0	0.000	0.000	6.884	11.569	12.598
167.5	0.000	0.000	6.399	10.891	11.970
168.0	0.000	0.000	5.948	10.239	11.209
168.5	0.000	0.000	5.546	9.553	10.573
169.0	0.000	0.000	5.044	8.934	9.904
169.5	0.000	0.000	0.000	8.348	9.227
170.0	0.000	0.000	0.000	7.704	8.624
170.5	0.000	0.000	0.000	7.043	7.855
171.0	0.000	0.000	0.000	6.382	7.202
171.5	0.000	0.000	0.000	5.805	6.533
172.0	0.000	0.000	0.000	5.161	5.897
172.5	0.000	0.000	0.000	0.000	5.278
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	731.98	N.A.	12.90
0-30	1539.66	N.A.	27.20
0-40	2479.63	N.A.	43.70
0-60	4181.18	N.A.	73.70
0-80	5121.42	N.A.	90.30
0-90	5297.17	N.A.	93.40
10-90	5106.97	N.A.	90.10
20-40	1747.65	N.A.	30.80
20-50	2668.29	N.A.	47.10
40-70	2279.71	N.A.	40.20
60-80	940.24	N.A.	16.60
70-80	362.08	N.A.	6.40
80-90	175.75	N.A.	3.10
90-110	184.46	N.A.	3.30
90-120	256.05	N.A.	4.50
90-130	308.49	N.A.	5.40
90-150	361.83	N.A.	6.40
90-180	372.87	N.A.	6.60
110-180	188.40	N.A.	3.30
0-180	5670.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	190.20
10-20	541.78
20-30	807.68
30-40	939.97
40-50	920.64
50-60	780.90
60-70	578.16
70-80	362.08
80-90	175.75
90-100	97.53
100-110	86.94
110-120	71.58
120-130	52.44
130-140	34.19
140-150	19.16
150-160	8.60
160-170	2.33
170-180	0.10

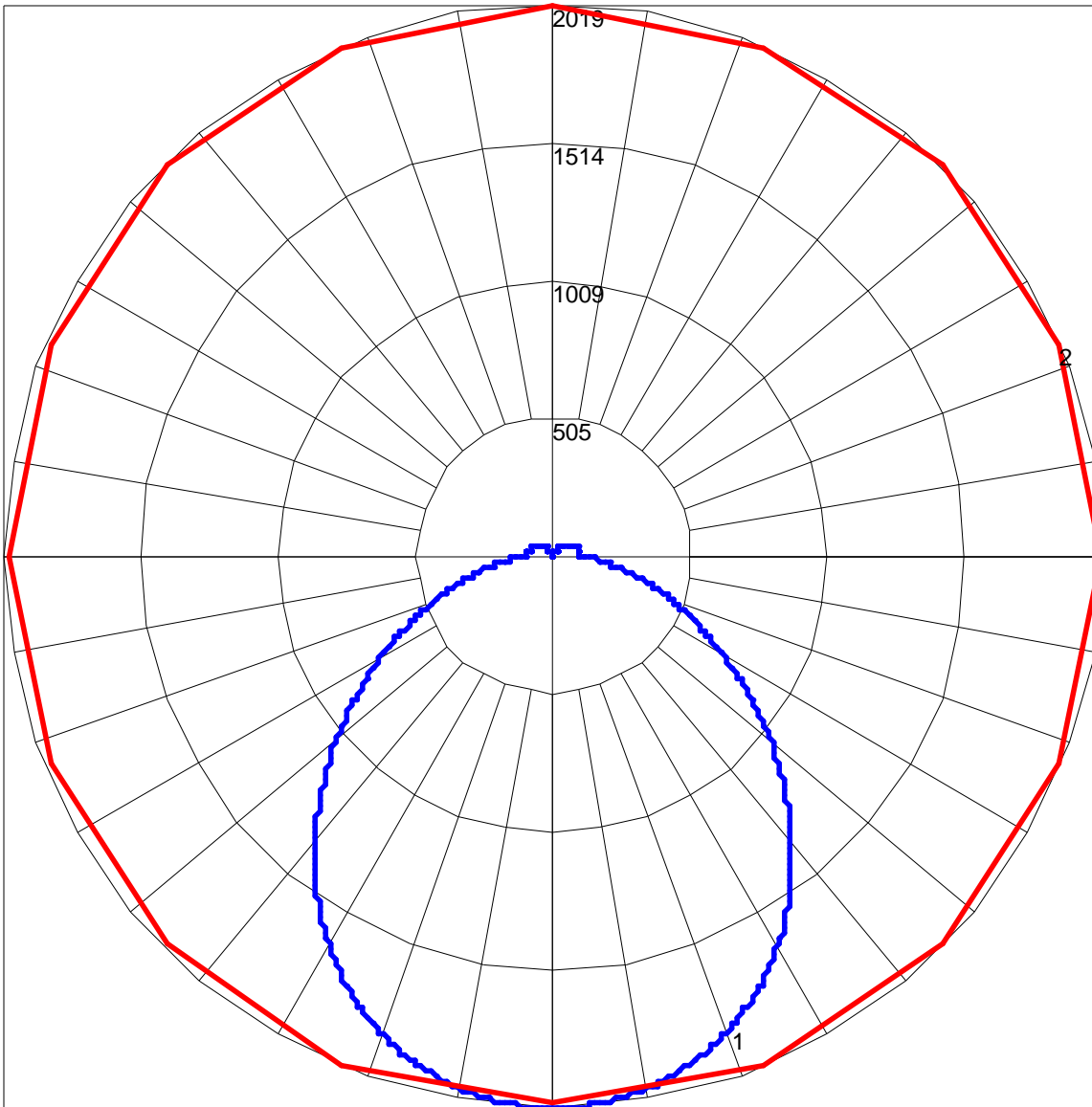
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 44-48LED48DMVFR30.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	102	98	94	104	99	95	92	94	91	88	89	86	84	84	82	80	78
2	97	89	82	77	94	87	81	75	82	77	72	78	74	70	74	70	67	65
3	89	79	70	64	86	76	69	63	73	66	61	69	64	59	66	61	57	55
4	82	70	61	55	79	68	60	54	65	58	52	62	56	51	59	54	50	47
5	75	63	54	47	73	61	53	47	58	51	45	55	49	44	53	48	43	41
6	69	56	48	41	67	55	47	41	53	45	40	50	44	39	48	43	38	36
7	64	51	43	37	62	50	42	36	48	41	35	46	40	35	44	38	34	32
8	60	47	38	33	58	46	38	32	44	37	32	42	36	31	41	35	31	29
9	56	43	35	29	54	42	34	29	41	34	29	39	33	28	38	32	28	26
10	53	40	32	27	51	39	32	27	38	31	26	36	30	26	35	29	25	24

POLAR GRAPH



Maximum Candela = 2018.909 Located At Horizontal Angle = 45, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)