



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : LLPMW48LED2U1D36DMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLPMW48LED2U1D36DMV40  
 [TESTDATE] 25-Feb-2019 09:01:44  
 [TESTLAB] Radiant Vision Systems ProSource  
 [ISSUE DATE] 2/25/2019 12:48:27 PM  
 [MANUFAC] Mobern Lighting Co.  
 [LAMP] LED Module  
 [\_TOTALLUMINAIRELUMENS] 5186.6  
 [DRIVER TYPE](1) OSRAM OT30W.(1) OSRAM OT50W  
 [BOARD/LAMP TYPE] (4) LUMA SMART "S" BOARDS\_UL(2)\_DL  
 [COLOR TEMP]3947 CCT  
 [LUMEN/WATT] 140 LPW  
 [CRI] 86.3  
 [\_NUMBEROFRAYS]10000000  
 [OTHER] Absolute Photometry measurement

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5189
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
Total Luminaire Watts	37
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.20 m
Luminous Height	0.05 m

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1594	1358	1292
55	1478	1205	1140
65	1386	1035	962
75	1272	776	697
85	1002	395	328

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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>
<b>0</b>	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75
<b>3</b>	428.28	428.19	428.12	428.46	428.39	428.38	428.34	428.23	428.10	428.06
<b>6</b>	425.12	425.48	426.34	427.09	427.43	427.33	426.77	425.82	424.99	424.29
<b>9</b>	423.85	424.39	425.22	425.63	425.86	425.15	423.69	422.46	421.76	421.32
<b>12</b>	420.73	420.63	420.16	420.15	420.51	418.91	416.91	415.94	416.38	416.98
<b>15</b>	412.19	411.33	411.22	411.47	412.08	411.21	409.62	409.45	409.07	409.23
<b>18</b>	401.46	401.64	400.56	401.80	402.59	402.88	402.69	403.36	401.99	400.48
<b>21</b>	392.33	392.95	392.30	391.79	392.28	392.07	393.17	394.19	393.15	393.07
<b>24</b>	383.84	385.01	384.04	380.81	381.38	381.44	381.99	381.17	381.81	384.63
<b>27</b>	374.05	374.83	373.45	371.55	371.93	371.56	371.89	368.51	370.14	372.55
<b>30</b>	362.08	361.55	361.65	360.89	359.50	357.96	359.32	356.44	358.66	358.19
<b>33</b>	347.64	346.80	348.17	347.58	345.10	342.58	344.56	342.09	344.56	343.42
<b>36</b>	331.61	331.90	332.11	333.71	330.84	327.64	329.66	328.05	328.74	328.11
<b>39</b>	315.24	318.11	316.57	317.77	317.29	313.95	313.39	313.98	314.02	311.89
<b>42</b>	300.06	302.28	298.35	300.41	302.35	299.34	297.79	296.89	298.26	295.27
<b>45</b>	286.41	282.18	279.86	280.78	283.57	281.62	279.75	279.45	280.36	278.71
<b>48</b>	270.01	262.22	264.84	261.99	263.77	261.82	259.85	262.24	261.59	261.49
<b>51</b>	247.65	246.23	247.43	244.30	244.92	242.12	240.96	242.98	244.04	242.91
<b>54</b>	224.96	228.36	229.94	224.62	225.79	222.82	222.08	223.09	225.01	223.24
<b>57</b>	207.34	208.53	209.13	206.32	208.17	204.29	205.20	203.20	205.68	203.12
<b>60</b>	190.56	190.17	188.31	185.78	188.65	185.80	186.52	184.24	185.46	183.56
<b>63</b>	169.92	171.17	170.13	165.66	167.52	166.04	166.36	165.30	166.02	165.10
<b>66</b>	148.41	148.19	148.48	147.38	147.92	146.79	145.07	145.87	146.01	146.13
<b>69</b>	129.65	127.48	128.68	126.10	126.54	126.28	124.70	126.94	124.75	125.32
<b>72</b>	111.88	110.44	109.63	107.00	107.29	105.93	105.73	107.65	104.15	104.40
<b>75</b>	92.67	92.11	89.69	88.45	86.64	86.73	85.93	86.49	84.25	85.14
<b>78</b>	72.56	71.57	70.61	70.24	67.08	66.64	67.90	65.75	65.83	66.43
<b>81</b>	55.37	54.03	55.96	54.64	52.73	51.78	52.35	50.81	49.94	49.70
<b>84</b>	37.04	37.18	35.79	36.09	33.64	33.44	34.19	31.94	32.96	32.23
<b>87</b>	19.80	20.18	17.93	16.33	18.11	16.64	17.45	15.45	15.88	16.29
<b>90</b>	7.46	6.09	5.77	4.98	6.17	4.09	4.73	4.75	4.68	4.62
<b>93</b>	35.35	27.06	14.76	9.33	9.75	8.00	7.45	5.06	6.15	5.24
<b>96</b>	87.13	76.84	62.28	58.39	38.73	33.49	30.13	23.94	26.68	25.10
<b>99</b>	154.60	134.30	130.92	119.65	104.05	90.48	76.55	72.10	66.24	69.36
<b>102</b>	222.76	203.58	190.32	182.62	170.47	164.21	155.58	150.26	142.99	149.12
<b>105</b>	303.27	287.33	268.35	253.31	246.60	244.40	237.66	237.30	228.14	233.82
<b>108</b>	378.52	364.99	356.90	331.80	331.01	319.89	319.27	318.22	318.06	320.62
<b>111</b>	445.28	436.09	436.43	414.16	410.44	397.88	394.52	392.60	389.18	400.33
<b>114</b>	517.11	515.69	507.06	498.85	489.80	481.64	474.95	468.04	463.99	474.39
<b>117</b>	603.91	599.67	582.88	567.21	560.37	556.74	550.72	541.34	542.60	546.45
<b>120</b>	684.59	668.29	655.75	638.72	639.24	628.36	619.25	611.46	616.00	617.67
<b>123</b>	740.46	732.10	737.63	709.63	708.86	696.11	689.62	682.36	684.20	687.70
<b>126</b>	792.91	798.75	799.24	773.78	768.63	760.29	753.92	750.48	748.12	752.84
<b>129</b>	863.62	856.96	847.54	842.78	835.91	822.87	814.55	812.82	812.80	810.15
<b>132</b>	935.36	903.90	904.59	899.62	900.70	883.94	868.25	873.76	869.56	862.92
<b>135</b>	988.14	958.18	953.18	950.24	956.25	939.36	925.00	928.33	924.30	915.24
<b>138</b>	1030.32	1015.05	1004.45	998.65	1003.20	987.43	979.60	982.63	975.25	968.04
<b>141</b>	1073.68	1064.81	1053.58	1044.29	1046.66	1034.53	1030.86	1035.64	1021.72	1020.48
<b>144</b>	1114.73	1108.83	1097.26	1089.81	1089.91	1081.41	1083.21	1077.64	1064.39	1067.91
<b>147</b>	1148.66	1150.80	1142.52	1129.58	1129.00	1124.05	1123.35	1115.00	1108.32	1107.06
<b>150</b>	1180.92	1185.81	1178.29	1167.97	1165.22	1161.59	1156.08	1150.21	1150.32	1143.26
<b>153</b>	1216.82	1215.04	1206.06	1199.21	1198.33	1196.94	1188.61	1183.81	1187.71	1181.54
<b>156</b>	1250.95	1241.06	1230.57	1224.70	1224.88	1227.86	1222.84	1217.75	1219.03	1216.68
<b>159</b>	1277.19	1265.47	1253.46	1249.77	1247.78	1252.29	1252.55	1243.88	1241.77	1243.32

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**CANDELA TABULATION - (Cont.)**

162	1297.85	1289.45	1277.13	1271.37	1265.79	1270.18	1272.44	1266.95	1264.40	1265.40
165	1316.49	1310.91	1304.57	1295.99	1290.05	1292.24	1295.51	1294.55	1289.49	1287.38
168	1333.14	1330.74	1325.12	1317.77	1313.50	1312.21	1314.21	1313.93	1310.66	1306.56
171	1346.70	1344.65	1339.79	1332.63	1326.45	1323.48	1322.66	1322.22	1321.30	1320.27
174	1355.51	1353.79	1350.47	1345.38	1340.46	1336.44	1334.02	1332.39	1332.06	1333.02
177	1358.55	1357.73	1356.32	1354.50	1352.64	1350.56	1349.23	1348.32	1347.85	1348.16
180	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88

**Vert. Horizontal 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	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75
3	427.98	428.06	428.21	428.38	428.69	429.06	429.12	429.40	429.56	429.60
6	423.92	423.96	424.34	424.79	425.45	426.07	426.47	426.45	426.49	426.21
9	420.98	420.65	420.60	421.10	421.92	422.81	423.60	423.62	423.55	422.91
12	417.00	416.46	415.85	416.05	417.26	417.98	418.62	418.79	418.87	418.40
15	410.04	410.82	409.53	408.83	409.34	410.51	410.82	409.91	410.55	411.09
18	402.34	403.95	402.43	400.83	401.00	402.09	400.74	400.56	400.57	403.01
21	393.31	394.40	393.39	392.30	393.32	393.91	391.92	391.03	391.32	392.54
24	381.76	380.95	381.44	382.02	382.36	382.36	382.19	381.96	382.87	381.52
27	368.59	367.41	369.53	369.45	367.82	367.96	368.01	371.63	374.34	371.61
30	355.57	355.61	357.68	355.68	352.82	352.47	350.81	357.78	363.29	359.80
33	341.63	341.97	345.89	343.59	342.06	340.70	334.87	340.20	348.01	342.43
36	326.74	326.64	331.53	328.19	329.10	330.05	322.46	321.47	330.96	322.10
39	312.43	311.39	312.68	309.12	309.86	311.63	311.53	305.19	314.74	304.63
42	296.90	294.58	295.51	292.31	292.59	291.38	296.74	289.38	298.30	289.08
45	279.10	277.31	278.56	278.14	278.75	271.56	278.29	272.81	280.33	273.68
48	259.78	259.37	260.17	259.67	262.42	253.68	257.86	255.62	262.02	257.24
51	241.38	240.38	241.84	239.13	240.35	237.49	234.39	238.59	244.49	239.98
54	222.24	222.39	223.43	221.85	217.87	218.49	216.91	220.07	225.97	221.04
57	203.65	203.47	205.23	204.30	200.24	198.89	199.00	201.85	204.86	203.23
60	183.93	183.96	184.63	182.39	181.19	177.35	179.73	183.12	183.07	185.26
63	164.06	164.42	164.95	160.40	158.90	157.50	162.42	163.52	162.72	165.63
66	143.87	143.94	144.96	141.03	139.67	139.63	141.11	142.54	143.02	143.88
69	123.95	123.59	124.68	120.61	121.21	118.72	121.73	121.77	122.86	122.66
72	105.24	104.35	105.58	101.41	104.06	100.03	103.25	101.83	102.90	102.65
75	86.08	84.70	85.29	83.75	83.97	81.57	83.14	82.81	83.83	83.57
78	66.97	65.46	66.30	65.45	64.68	64.45	64.26	64.14	64.90	64.57
81	49.30	49.40	48.48	48.50	47.52	47.25	47.35	43.37	43.77	42.55
84	33.18	31.44	31.87	29.70	28.81	30.99	29.16	27.95	26.56	27.60
87	16.19	14.09	15.01	12.87	14.72	12.50	13.07	13.05	10.59	12.28
90	4.67	4.21	4.03	4.29	3.57	3.47	3.34	2.85	0.70	1.35
93	7.17	5.72	8.06	8.57	9.08	8.06	13.35	19.39	18.44	24.21
96	28.59	23.81	27.30	33.28	36.98	52.85	53.97	56.98	56.63	63.55
99	66.09	69.82	74.92	89.50	95.90	110.24	114.18	108.58	114.60	113.95
102	145.18	152.51	162.59	172.59	169.38	184.53	182.80	186.23	194.65	190.18
105	230.06	240.06	240.99	249.64	246.47	254.18	257.08	260.70	273.23	267.90
108	314.85	314.50	318.26	319.32	326.27	328.78	339.36	340.00	353.02	347.95
111	384.48	387.51	390.96	396.85	397.43	404.94	416.67	421.85	432.30	427.24
114	460.65	469.15	471.01	478.22	474.16	483.83	493.95	500.40	511.02	505.27
117	543.13	547.35	547.15	548.32	549.54	543.17	571.52	574.67	589.07	581.20
120	616.70	620.10	616.14	620.69	629.13	608.44	629.25	647.46	664.14	652.63
123	681.25	690.80	688.34	692.74	692.69	685.68	693.25	720.64	734.25	723.55
126	744.49	750.86	754.79	757.31	755.98	760.54	757.09	785.25	801.04	788.94
129	812.66	804.53	818.55	819.44	832.21	827.56	817.20	842.20	866.06	845.86
132	871.76	863.26	873.10	881.53	896.88	876.42	891.99	890.14	927.51	892.94

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**CANDELA TABULATION - (Cont.)**

135	926.22	919.86	926.63	932.15	940.84	931.84	953.27	934.13	983.22	940.82
138	976.71	974.11	979.87	973.32	977.95	991.12	1003.97	978.56	1033.30	989.47
141	1025.32	1023.57	1030.03	1022.78	1024.96	1048.06	1039.84	1029.02	1078.48	1037.46
144	1069.51	1067.80	1078.54	1076.50	1084.42	1102.91	1077.56	1080.53	1119.83	1083.38
147	1109.07	1114.39	1118.66	1118.81	1129.52	1135.35	1114.14	1130.83	1157.96	1128.94
150	1144.08	1155.32	1155.85	1150.00	1156.55	1161.69	1154.61	1174.98	1191.42	1169.48
153	1179.38	1187.88	1189.92	1180.75	1182.77	1191.14	1197.30	1212.83	1219.66	1206.42
156	1215.06	1220.20	1220.18	1212.72	1212.50	1220.85	1233.80	1244.32	1247.80	1240.62
159	1245.48	1248.80	1248.44	1244.47	1245.11	1250.98	1260.35	1273.54	1279.11	1273.89
162	1268.15	1268.79	1269.20	1270.87	1271.75	1275.79	1282.36	1297.09	1304.43	1300.24
165	1285.16	1284.53	1285.90	1290.88	1294.89	1297.52	1302.39	1309.84	1315.86	1313.75
168	1303.15	1302.09	1305.60	1311.54	1316.77	1317.27	1318.31	1320.46	1322.77	1323.23
171	1320.49	1322.28	1326.08	1330.93	1334.14	1335.21	1336.09	1334.67	1335.16	1335.07
174	1335.02	1337.74	1341.37	1344.31	1346.75	1348.44	1348.96	1348.14	1348.19	1347.82
177	1348.51	1349.45	1350.55	1351.67	1352.93	1353.86	1354.33	1354.92	1355.27	1355.38
180	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88

**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	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75	430.75
3	429.53	429.82	429.67	429.74	429.89	430.02	430.13	430.23	430.23	430.16
6	426.21	426.03	425.82	425.74	426.10	426.47	426.89	427.48	428.01	428.40
9	422.40	421.56	421.32	421.50	422.07	422.76	423.40	423.95	424.56	425.14
12	417.93	417.47	417.65	417.76	418.25	418.91	419.58	419.91	419.72	419.56
15	412.39	412.41	412.05	411.99	411.91	412.96	414.26	415.04	413.97	412.86
18	404.41	405.70	404.58	403.15	402.44	404.27	407.25	408.23	406.99	404.73
21	393.96	396.23	395.91	393.21	392.49	395.31	398.14	398.62	397.02	395.73
24	380.42	381.37	384.67	383.00	382.35	386.08	388.20	387.28	385.48	385.45
27	366.22	367.74	372.44	371.59	371.41	374.74	377.58	375.41	373.83	374.37
30	353.02	355.69	359.60	358.13	358.01	361.29	365.56	362.76	362.21	362.60
33	339.30	344.90	348.03	345.99	344.45	345.05	350.43	348.86	349.03	348.02
36	325.09	332.54	333.52	332.90	331.58	329.61	333.70	333.85	333.55	332.83
39	312.54	312.78	313.78	316.44	316.53	315.36	318.77	318.03	316.88	318.74
42	298.05	292.54	295.71	299.55	300.85	299.15	303.28	301.57	299.50	302.77
45	280.55	273.63	280.58	284.12	282.88	282.17	285.64	284.54	282.72	285.20
48	259.36	257.61	264.38	265.25	263.08	264.74	266.80	266.58	265.45	267.29
51	237.48	242.98	242.82	244.30	244.06	245.74	248.29	247.47	248.09	248.32
54	218.36	223.17	220.02	225.95	225.82	227.60	227.64	228.12	229.25	228.81
57	197.96	201.23	202.48	207.18	208.62	208.50	207.67	209.17	210.69	207.71
60	178.91	178.32	183.52	184.52	188.53	187.69	187.96	189.42	191.27	186.67
63	163.11	159.28	159.64	162.42	168.18	167.11	168.84	167.89	171.84	166.52
66	142.78	143.36	139.55	143.80	146.70	146.74	148.61	146.35	151.08	146.35
69	122.81	122.95	121.51	123.23	124.84	126.68	127.54	126.64	129.10	126.59
72	103.05	102.36	104.90	102.67	104.96	107.85	107.37	107.79	107.98	107.93
75	82.23	82.12	84.66	84.13	85.08	88.56	87.22	88.52	87.49	88.57
78	63.65	64.48	65.27	65.72	67.10	68.34	67.87	68.71	68.34	68.53
81	45.59	45.19	45.28	45.88	45.77	46.96	45.67	46.67	47.01	48.58
84	26.70	27.82	26.16	28.13	28.55	28.42	29.00	29.30	30.16	29.15
87	10.20	11.02	11.37	11.66	11.79	10.95	13.10	13.58	13.73	12.25
90	2.21	2.15	2.20	1.54	2.08	3.00	2.21	2.79	2.39	2.14
93	23.41	15.79	15.51	13.72	14.57	14.67	16.69	16.13	15.11	14.09
96	64.54	66.47	53.64	47.02	44.69	43.31	46.92	43.59	45.69	45.90
99	123.18	125.81	117.25	113.26	103.36	109.18	103.19	104.54	102.03	113.26
102	186.71	192.86	181.07	185.96	178.01	179.29	172.51	173.75	167.60	175.57
105	262.66	262.40	254.42	261.91	256.17	261.98	255.91	252.24	253.54	258.35

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLPMW48LED2U1D36DMV40.IES**

**CANDELA TABULATION - (Cont.)**

108	346.63	338.24	334.53	330.63	331.50	334.95	337.00	331.68	334.95	334.09
111	422.71	414.44	403.77	406.85	403.67	406.92	409.71	412.34	403.53	405.34
114	497.47	495.44	476.89	488.05	484.87	485.62	484.29	487.76	475.89	479.50
117	572.08	557.84	548.31	559.83	562.33	558.51	557.71	553.15	553.43	555.24
120	627.86	621.21	626.06	635.24	631.21	622.29	626.28	616.72	626.14	628.94
123	691.93	694.51	691.63	709.23	698.06	686.62	691.84	686.23	691.15	699.54
126	757.74	766.66	753.69	768.17	755.20	750.58	752.99	754.46	750.30	764.12
129	817.89	824.93	824.15	821.26	812.22	810.91	813.86	813.51	810.90	821.65
132	890.49	867.64	887.70	881.72	869.17	871.25	868.17	867.71	864.84	876.15
135	949.94	925.52	941.32	940.08	928.31	924.95	923.14	922.51	916.92	926.58
138	1001.22	989.89	987.25	984.12	980.19	976.19	976.19	975.32	968.04	977.73
141	1043.28	1044.43	1031.01	1026.00	1024.74	1024.92	1024.67	1022.75	1020.16	1026.85
144	1081.00	1092.13	1081.21	1072.94	1070.32	1064.89	1065.29	1066.77	1067.40	1072.62
147	1120.97	1124.92	1123.25	1115.82	1110.81	1103.25	1102.92	1109.79	1108.37	1119.32
150	1153.74	1151.37	1152.94	1149.89	1149.86	1142.21	1140.53	1150.64	1145.57	1154.42
153	1187.35	1180.82	1182.55	1181.34	1186.33	1179.75	1178.58	1187.21	1182.51	1181.88
156	1228.19	1221.46	1219.87	1214.98	1219.41	1217.66	1214.44	1217.52	1216.99	1215.01
159	1264.90	1265.68	1257.94	1248.78	1249.92	1248.17	1242.78	1241.05	1244.09	1246.59
162	1290.83	1288.95	1281.24	1273.28	1270.59	1268.64	1264.83	1262.62	1268.09	1273.09
165	1309.78	1305.33	1298.80	1291.95	1287.64	1286.14	1284.45	1286.56	1292.01	1298.74
168	1322.64	1320.85	1318.06	1312.29	1307.79	1305.56	1306.49	1309.64	1313.96	1317.02
171	1336.27	1335.06	1333.51	1331.04	1328.52	1327.27	1327.27	1327.90	1328.82	1328.82
174	1348.56	1348.35	1347.44	1346.27	1345.46	1344.21	1343.28	1342.61	1341.89	1341.64
177	1355.26	1355.64	1355.26	1355.03	1354.90	1354.71	1354.53	1354.55	1354.46	1354.71
180	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88

**Vert. Horizontal Angles**

	<b>300</b>	<b>310</b>	<b>320</b>	<b>330</b>	<b>340</b>	<b>350</b>	<b>360</b>
0	430.75	430.75	430.75	430.75	430.75	430.75	430.75
3	430.00	429.69	429.31	429.17	428.49	428.38	428.28
6	428.55	428.20	427.65	426.86	425.90	425.13	425.12
9	425.56	425.47	424.71	423.58	423.35	423.29	423.85
12	419.97	420.06	419.36	417.62	417.75	419.24	420.73
15	412.70	413.26	411.96	410.09	409.86	410.70	412.19
18	404.66	405.89	404.91	403.05	401.58	402.19	401.46
21	396.21	398.03	397.95	395.70	395.04	394.38	392.33
24	386.72	389.40	388.60	385.06	387.13	386.65	383.84
27	376.24	378.03	376.59	373.26	375.14	376.31	374.05
30	362.92	362.39	361.29	360.46	361.27	362.67	362.08
33	348.59	348.20	347.98	347.96	347.20	347.88	347.64
36	334.95	335.07	335.09	334.67	332.21	333.02	331.61
39	319.88	320.29	320.00	316.82	317.81	318.50	315.24
42	303.74	302.57	304.53	300.55	301.85	302.24	300.06
45	284.78	283.35	287.78	284.63	285.19	283.16	286.41
48	265.23	264.53	269.68	267.56	268.75	264.05	270.01
51	246.76	246.71	249.40	248.35	249.17	247.45	247.65
54	227.14	228.62	227.21	226.05	232.41	228.65	224.96
57	208.50	209.80	208.35	207.16	212.52	209.03	207.34
60	188.71	189.87	189.15	187.35	189.03	191.33	190.56
63	169.07	169.21	168.16	167.96	168.83	172.04	169.92
66	148.67	149.12	148.50	149.35	147.70	148.04	148.41
69	128.09	128.21	127.38	126.54	128.39	126.84	129.65
72	107.65	108.52	108.03	106.22	108.14	109.76	111.88
75	86.14	89.36	87.06	87.35	87.02	91.22	92.67
78	67.41	69.50	67.06	69.50	68.30	70.42	72.56

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLPMW48LED2U1D36DMV40.IES**

**CANDELA TABULATION - (Cont.)**

<b>81</b>	48.20	50.40	49.44	52.40	53.55	52.08	55.37
<b>84</b>	30.43	31.22	29.94	34.03	33.09	35.51	37.04
<b>87</b>	12.93	13.32	14.02	13.99	14.91	16.78	19.80
<b>90</b>	2.35	2.74	2.01	2.25	3.19	3.81	7.46
<b>93</b>	16.01	18.00	19.17	24.57	29.72	37.96	35.35
<b>96</b>	53.25	56.35	66.88	85.42	83.63	91.41	87.13
<b>99</b>	122.87	130.22	139.40	151.25	152.84	148.43	154.60
<b>102</b>	189.54	192.69	195.14	206.18	206.99	213.88	222.76
<b>105</b>	262.58	269.91	269.65	277.05	283.23	296.22	303.27
<b>108</b>	336.72	338.62	351.41	352.98	365.42	370.67	378.52
<b>111</b>	413.34	413.25	426.15	429.38	438.68	437.25	445.28
<b>114</b>	493.56	494.04	501.32	510.76	508.06	517.04	517.11
<b>117</b>	562.66	567.03	570.47	580.28	587.08	606.60	603.91
<b>120</b>	624.78	636.16	647.22	648.19	658.20	678.23	684.59
<b>123</b>	691.38	699.32	712.77	710.12	733.29	739.29	740.46
<b>126</b>	755.92	762.55	772.47	769.91	795.39	802.85	792.91
<b>129</b>	822.09	825.91	838.58	842.35	848.21	863.19	863.62
<b>132</b>	878.91	883.18	895.05	901.08	909.09	912.51	935.36
<b>135</b>	934.64	936.78	945.67	951.27	960.49	962.34	988.14
<b>138</b>	987.75	990.25	995.26	998.33	1014.73	1013.78	1030.32
<b>141</b>	1031.11	1039.99	1041.31	1043.48	1064.91	1064.47	1073.68
<b>144</b>	1071.41	1082.39	1088.68	1089.91	1103.96	1110.48	1114.73
<b>147</b>	1111.84	1120.93	1131.82	1130.06	1141.52	1151.62	1148.66
<b>150</b>	1150.98	1159.67	1169.98	1169.69	1178.26	1189.28	1180.92
<b>153</b>	1183.17	1195.04	1203.50	1204.60	1215.54	1225.78	1216.82
<b>156</b>	1213.54	1221.74	1228.42	1233.37	1247.95	1256.70	1250.95
<b>159</b>	1244.77	1243.76	1248.11	1258.61	1271.26	1280.23	1277.19
<b>162</b>	1270.64	1264.74	1265.07	1276.86	1288.98	1298.72	1297.85
<b>165</b>	1296.36	1290.15	1287.77	1295.81	1307.04	1313.89	1316.49
<b>168</b>	1315.70	1311.58	1311.29	1314.79	1322.90	1329.71	1333.14
<b>171</b>	1327.53	1326.16	1327.27	1331.94	1338.89	1343.92	1346.70
<b>174</b>	1341.94	1342.68	1345.23	1348.69	1352.32	1354.50	1355.51
<b>177</b>	1355.13	1355.72	1356.74	1357.73	1358.35	1358.75	1358.55
<b>180</b>	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88	1357.88

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLPMW48LED2U1D36DMV40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	128.10	N.A.	2.50
0-30	331.74	N.A.	6.40
0-40	519.79	N.A.	10.00
0-60	953.36	N.A.	18.40
0-80	1182.15	N.A.	22.80
0-90	1224.34	N.A.	23.60
10-90	1191.37	N.A.	23.00
20-40	391.69	N.A.	7.50
20-50	587.58	N.A.	11.30
40-70	571.73	N.A.	11.00
60-80	228.79	N.A.	4.40
70-80	90.62	N.A.	1.70
80-90	42.19	N.A.	0.80
90-110	250.82	N.A.	4.80
90-120	833.43	N.A.	16.10
90-130	1428.15	N.A.	27.50
90-150	2909.63	N.A.	56.10
90-180	3964.53	N.A.	76.40
110-180	3713.71	N.A.	71.60
0-180	5188.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	32.97
10-20	95.13
20-30	203.64
30-40	188.05
40-50	195.89
50-60	237.68
60-70	138.16
70-80	90.62
80-90	42.19
90-100	40.14
100-110	210.68
110-120	582.61
120-130	594.73
130-140	650.59
140-150	830.88
150-160	512.18
160-170	359.48
170-180	183.25

**IES INDOOR REPORT**  
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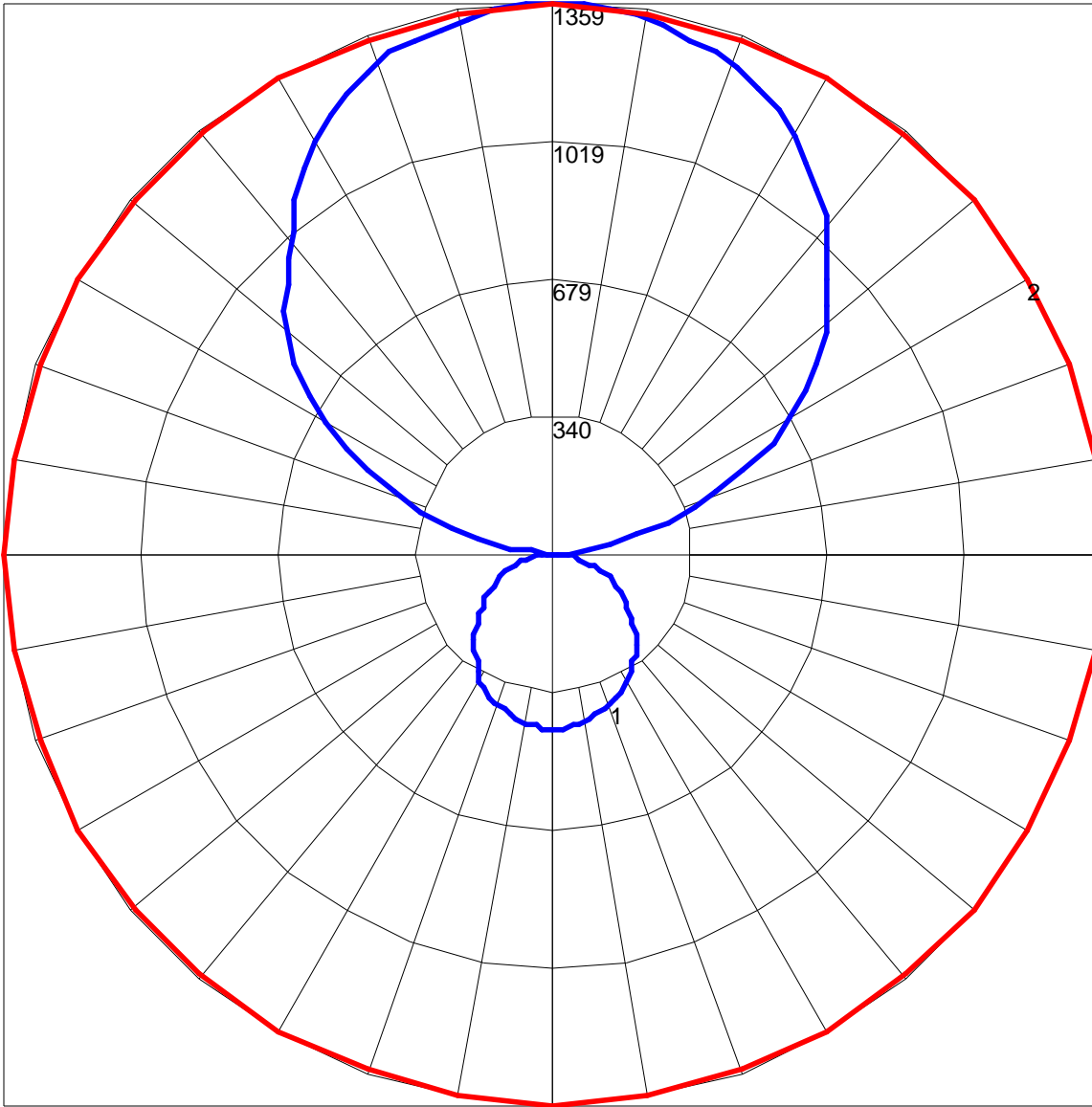
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24
1	92	87	84	80	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	83	76	70	65	74	68	63	59	52	49	46	38	35	34	24	23	22	16
3	76	67	60	54	67	59	53	49	46	42	38	33	30	28	21	20	18	13
4	69	59	51	45	61	52	46	41	40	36	32	29	26	24	19	17	16	11
5	63	52	44	38	56	47	40	35	36	31	28	26	23	21	17	15	14	10
6	58	46	39	33	51	42	35	30	32	27	24	23	20	18	15	13	12	8
7	54	42	34	29	47	37	31	26	29	24	21	21	18	16	14	12	10	7
8	50	38	30	25	44	34	27	23	26	22	18	19	16	14	13	11	9	7
9	46	34	27	22	41	31	24	20	24	19	16	18	14	12	12	10	8	6
10	43	31	24	20	38	28	22	18	22	17	14	16	13	11	11	9	7	5



POLAR GRAPH



Maximum Candela = 1358.75 Located At Horizontal Angle = 350, Vertical Angle = 177  
# 1 - Vertical Plane Through Horizontal Angles (350 - 170) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (177) (Through Max. Cd.)