



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : L44IRX48LED56DMV35.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L44IRx48LED56DMV35  
 [TESTDATE] 18-Jun-2019 09:41:21  
 [TESTLAB] Radiant Vision Systems ProSource  
 [ISSUE DATE] 6/18/2019 10:51:18 AM  
 [MANUFAC] Mobern Lighting Co.  
 [LAMP] LED Module  
 [ TOTALLUMINAIRELUMENS] 4205  
 [DRIVER TYPE](1) OSRAM OT50W  
 [BOARD/LAMP TYPE] (2) "C" 4FT STRIPS  
 [COLOR TEMP] 3664 CCT  
 [LUMEN/WATT] 75 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	4207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	56.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
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	9998	6073	5458
55	9274	5125	4658
65	8510	4160	3699
75	7085	2853	2357
85	3375	726	406

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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>	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04
<b>3</b>	1350.91	1350.15	1349.42	1349.72	1349.34	1349.78	1350.58	1351.32	1351.92	1352.28
<b>6</b>	1347.86	1345.43	1343.08	1341.02	1339.77	1339.46	1341.09	1343.13	1344.83	1345.91
<b>9</b>	1347.30	1345.58	1341.82	1337.31	1331.39	1327.25	1325.98	1327.57	1330.21	1332.11
<b>12</b>	1340.66	1341.11	1340.11	1336.77	1330.10	1321.23	1313.64	1310.40	1311.24	1313.49
<b>15</b>	1320.24	1318.45	1320.76	1323.46	1321.89	1312.11	1300.60	1294.37	1292.80	1293.31
<b>18</b>	1292.74	1289.25	1285.14	1294.10	1296.45	1289.79	1278.79	1273.75	1273.62	1271.76
<b>21</b>	1265.15	1260.81	1255.41	1260.14	1262.80	1255.60	1251.62	1249.49	1247.38	1248.07
<b>24</b>	1231.28	1231.96	1227.04	1220.67	1222.67	1217.33	1222.46	1222.26	1217.16	1220.35
<b>27</b>	1185.45	1192.28	1189.34	1183.49	1183.39	1175.47	1188.27	1189.72	1187.63	1187.45
<b>30</b>	1137.10	1144.69	1147.01	1143.71	1142.67	1131.37	1146.54	1148.91	1156.80	1151.96
<b>33</b>	1095.74	1098.95	1101.06	1100.69	1104.82	1097.73	1111.03	1105.27	1117.73	1116.09
<b>36</b>	1056.25	1055.09	1049.89	1055.30	1062.70	1061.06	1074.65	1070.69	1074.51	1077.22
<b>39</b>	1012.67	1013.85	1005.59	1001.32	1014.56	1015.94	1023.82	1033.27	1035.41	1032.92
<b>42</b>	970.62	967.24	961.31	953.91	971.35	969.81	977.00	985.78	993.46	986.59
<b>45</b>	933.57	907.77	913.41	909.96	928.04	922.16	929.17	940.54	947.53	942.16
<b>48</b>	885.08	847.69	864.44	864.34	876.80	870.61	877.28	893.95	901.88	899.92
<b>51</b>	820.43	801.63	807.89	810.61	819.66	819.72	831.51	841.36	858.84	858.07
<b>54</b>	741.51	752.99	760.07	747.90	765.21	769.82	786.61	793.67	809.36	810.72
<b>57</b>	692.66	694.44	701.05	692.95	717.67	716.90	742.70	745.57	756.60	753.87
<b>60</b>	643.56	632.62	630.57	633.01	659.37	664.50	692.70	690.46	697.89	694.68
<b>63</b>	570.22	565.41	570.16	575.38	593.77	613.65	635.01	630.31	635.95	639.52
<b>66</b>	489.06	487.35	503.86	525.07	535.24	560.84	568.35	566.93	570.20	580.12
<b>69</b>	420.32	417.80	440.34	462.64	472.62	494.07	499.17	502.97	504.34	508.26
<b>72</b>	358.18	359.34	376.42	397.81	412.17	423.05	429.99	436.84	437.85	430.40
<b>75</b>	292.29	298.89	313.37	332.14	339.95	354.93	351.12	356.46	356.30	352.31
<b>78</b>	220.92	233.42	254.15	267.52	266.28	270.75	262.50	255.08	260.14	262.52
<b>81</b>	156.67	173.55	204.29	207.91	203.30	194.80	175.73	170.37	170.08	168.10
<b>84</b>	88.64	115.90	124.94	124.30	103.03	92.24	77.70	71.53	76.12	68.66
<b>87</b>	31.31	54.76	47.09	37.99	33.90	27.03	22.58	19.28	23.97	23.54
<b>90</b>	2.01	14.05	10.73	6.84	5.40	5.02	6.75	4.65	6.07	6.21
<b>93</b>	0.59	6.44	2.83	2.85	3.20	1.57	2.36	1.79	1.84	1.99
<b>96</b>	0.12	1.52	0.32	0.49	1.10	0.30	0.36	0.38	0.32	0.40
<b>99</b>	0.03	0.60	0.13	0.29	0.36	0.06	0.12	0.11	0.12	0.02
<b>102</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>108</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>111</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>114</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>123</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>126</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>129</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>138</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>141</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>144</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>147</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>153</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>156</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>159</b>	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. Angles**      **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	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04
3	1352.26	1352.01	1351.64	1351.22	1351.17	1351.75	1351.68	1352.36	1352.84	1353.11
6	1345.03	1343.24	1340.77	1338.53	1338.66	1340.08	1342.30	1344.12	1346.43	1347.25
9	1332.31	1330.26	1326.34	1322.38	1321.55	1324.21	1329.02	1332.72	1335.65	1336.12
12	1315.30	1316.24	1314.94	1312.01	1312.09	1315.80	1321.38	1324.17	1324.79	1324.23
15	1292.41	1294.91	1297.07	1297.08	1298.46	1308.12	1318.02	1319.68	1317.25	1315.13
18	1268.10	1266.82	1273.24	1276.31	1278.86	1294.19	1309.37	1313.37	1309.73	1309.22
21	1246.11	1243.77	1250.43	1253.75	1255.44	1270.33	1288.67	1296.19	1298.06	1303.83
24	1224.83	1219.35	1218.97	1225.14	1223.84	1232.72	1254.11	1269.48	1281.61	1288.79
27	1195.79	1188.10	1185.63	1195.34	1192.45	1197.10	1211.51	1237.35	1259.32	1249.29
30	1159.89	1157.61	1153.15	1165.96	1164.36	1166.43	1169.44	1195.76	1224.99	1190.93
33	1117.38	1124.42	1116.48	1131.47	1138.58	1140.14	1128.58	1143.55	1175.13	1135.77
36	1072.87	1087.78	1074.87	1088.35	1100.97	1109.47	1087.43	1085.38	1121.93	1086.28
39	1031.83	1044.90	1031.61	1041.62	1045.93	1053.57	1052.78	1031.02	1076.94	1039.61
42	988.96	992.01	993.27	999.69	996.22	988.01	1011.48	980.46	1034.00	992.41
45	943.44	945.51	946.00	956.26	956.20	928.97	957.13	934.80	984.99	944.89
48	897.19	907.66	893.02	902.26	911.42	887.86	893.35	890.83	932.49	897.53
51	851.49	865.73	848.52	852.38	851.73	850.51	831.52	849.23	880.55	856.32
54	801.33	815.39	804.24	811.40	790.58	789.34	768.99	803.13	828.42	812.89
57	755.15	755.48	757.75	756.30	737.68	719.36	704.11	752.31	773.70	761.53
60	705.83	696.36	707.43	686.88	680.32	649.52	652.81	694.11	712.47	700.84
63	647.34	642.28	652.84	624.81	616.19	595.69	610.46	629.60	642.67	637.56
66	579.95	583.06	582.25	567.99	555.32	549.04	544.86	558.46	570.79	569.55
69	511.36	514.20	506.11	501.71	490.76	482.90	477.05	490.41	503.10	500.15
72	442.37	441.60	439.28	436.59	429.38	419.38	414.94	424.02	435.74	429.40
75	359.45	360.18	362.94	368.22	356.16	356.06	351.53	353.06	364.03	356.03
78	266.14	260.88	273.04	283.89	283.40	294.28	288.24	279.41	289.85	281.90
81	167.62	167.88	174.04	193.97	202.69	215.90	219.90	200.62	210.73	202.68
84	74.96	70.05	81.39	94.14	104.79	131.45	140.10	145.04	145.97	145.67
87	24.59	22.18	25.05	26.85	30.41	34.08	56.20	79.06	79.91	74.54
90	4.51	4.66	4.07	4.26	6.61	6.55	10.99	17.04	37.11	11.70
93	2.69	2.86	2.02	2.76	1.38	2.52	4.78	6.96	3.44	0.67
96	0.44	0.33	0.34	1.13	0.58	0.41	0.44	2.31	0.79	0.06
99	0.12	0.23	0.06	0.37	0.29	0.25	0.31	0.79	0.04	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

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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	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04
3	1353.16	1353.50	1353.32	1353.40	1353.64	1353.94	1354.28	1354.60	1354.85	1354.96
6	1348.08	1347.72	1347.00	1346.71	1347.87	1349.77	1351.90	1354.12	1355.53	1356.09
9	1336.60	1334.89	1333.75	1333.26	1335.42	1340.63	1346.65	1350.92	1351.90	1350.76
12	1324.21	1324.55	1324.43	1321.82	1320.82	1325.73	1333.46	1338.88	1338.76	1335.65
15	1315.08	1316.17	1316.94	1312.96	1308.19	1309.02	1311.08	1314.13	1316.94	1319.24
18	1305.34	1302.26	1301.09	1297.12	1291.34	1290.61	1287.38	1285.20	1294.11	1302.22
21	1295.48	1280.18	1276.08	1269.52	1264.35	1263.91	1259.93	1260.29	1266.14	1275.43
24	1275.44	1248.99	1246.14	1239.97	1231.39	1226.39	1225.51	1233.69	1231.89	1237.48
27	1235.04	1219.41	1218.18	1211.14	1201.43	1188.82	1186.96	1198.47	1198.81	1203.56
30	1190.36	1195.04	1190.58	1179.76	1170.64	1155.59	1149.27	1157.29	1168.03	1172.98
33	1148.58	1171.83	1162.47	1147.32	1139.90	1119.95	1110.25	1114.88	1131.19	1132.16
36	1103.43	1137.26	1119.08	1105.28	1103.67	1082.84	1071.49	1074.53	1090.25	1087.77
39	1059.24	1076.58	1063.34	1058.47	1058.23	1045.54	1034.65	1037.84	1051.13	1047.09
42	1006.55	1010.03	1016.76	1018.63	1017.31	1004.10	994.88	1000.99	1008.84	1004.94
45	966.80	944.43	970.96	974.67	969.81	961.82	952.35	960.00	961.39	963.83
48	906.61	891.11	917.00	920.44	916.82	914.94	909.12	915.59	914.78	920.88
51	836.23	845.62	855.29	869.63	873.74	865.85	867.37	869.03	872.79	871.59
54	778.63	784.96	795.55	824.47	832.52	825.79	820.43	819.47	826.17	823.12
57	719.31	718.86	749.67	770.63	787.09	782.25	771.71	765.93	778.26	772.05
60	666.57	653.36	695.37	708.37	732.97	727.93	718.31	709.30	724.95	717.71
63	619.07	602.14	624.95	647.08	675.20	669.39	662.02	650.91	662.94	662.29
66	556.00	558.33	562.45	587.35	606.05	604.89	600.35	591.81	592.23	601.19
69	493.25	496.86	503.13	519.84	530.03	534.84	535.10	531.46	524.67	532.74
72	432.53	434.13	446.74	456.52	457.21	464.30	465.22	463.28	458.16	460.81
75	368.13	370.76	377.29	393.20	375.26	381.42	376.43	379.99	370.77	376.89
78	303.14	304.64	301.41	305.52	282.73	268.94	272.69	277.46	266.22	271.40
81	226.68	212.93	199.80	184.65	158.50	149.48	148.59	146.40	146.80	154.65
84	135.72	120.98	95.81	81.50	69.47	57.89	63.05	54.33	61.29	63.32
87	46.12	31.29	27.18	22.32	21.39	17.36	17.62	17.40	19.69	15.48
90	3.62	2.03	1.86	0.58	0.80	0.51	0.75	1.45	1.95	0.81
93	0.23	0.26	0.02	0.07	0.08	0.10	0.11	0.20	0.11	0.11
96	0.10	0.13	0.18	0.09	0.02	0.02	0.01	0.04	0.02	0.08
99	0.51	0.43	0.39	0.09	0.16	0.21	0.00	0.02	0.01	0.20
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 : L44IRX48LED56DMV35.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	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04	1354.04
3	1354.92	1354.66	1354.09	1353.52	1352.45	1351.68	1350.91
6	1356.19	1355.82	1355.17	1354.06	1352.25	1350.05	1347.86
9	1349.38	1349.06	1349.12	1348.55	1348.62	1347.82	1347.30
12	1334.02	1335.81	1337.71	1336.03	1335.71	1337.74	1340.66
15	1319.27	1322.82	1325.00	1321.66	1317.91	1317.40	1320.24
18	1302.80	1305.76	1309.76	1306.22	1296.10	1295.33	1292.74
21	1275.67	1275.06	1283.38	1283.07	1272.51	1269.20	1265.15
24	1241.72	1238.55	1243.45	1241.12	1239.68	1237.15	1231.28
27	1211.16	1205.16	1204.66	1199.57	1196.50	1196.62	1185.45
30	1173.16	1167.35	1166.47	1160.25	1153.65	1150.67	1137.10
33	1126.65	1124.61	1125.70	1119.78	1110.36	1106.12	1095.74
36	1082.15	1077.55	1075.66	1073.81	1062.94	1063.56	1056.25
39	1039.87	1028.45	1018.92	1014.11	1017.47	1023.30	1012.67
42	998.71	978.16	967.80	961.88	967.65	975.94	970.62
45	949.30	926.53	916.52	915.79	919.20	916.24	933.57
48	898.94	874.30	866.07	870.53	873.28	858.34	885.08
51	854.53	819.40	815.10	817.32	815.80	812.04	820.43
54	802.53	763.16	764.19	751.43	765.87	758.78	741.51
57	747.37	713.39	721.09	695.11	706.70	701.16	692.66
60	692.64	672.27	667.25	636.11	633.68	646.73	643.56
63	639.47	624.21	598.64	577.56	568.52	580.32	570.22
66	578.26	568.23	540.64	526.54	499.85	494.36	489.06
69	510.84	503.66	480.36	467.89	440.59	419.29	420.32
72	442.83	438.42	419.29	405.95	383.01	361.47	358.18
75	364.56	368.49	348.57	342.02	321.31	296.83	292.29
78	273.71	277.22	275.08	277.67	256.71	226.01	220.92

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L44IRX48LED56DMV35.IES**

**CANDELA TABULATION - (Cont.)**

<b>81</b>	158.39	176.29	192.77	203.60	198.70	163.18	156.67
<b>84</b>	66.01	78.10	91.24	112.66	113.48	103.49	88.64
<b>87</b>	15.39	21.72	26.17	25.81	33.42	40.81	31.31
<b>90</b>	0.41	0.20	1.54	0.60	1.54	3.47	2.01
<b>93</b>	0.01	0.01	0.02	0.01	0.01	0.12	0.59
<b>96</b>	0.02	0.02	0.13	0.10	0.05	0.07	0.12
<b>99</b>	0.11	0.02	0.09	0.27	0.33	0.02	0.03
<b>102</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>105</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>108</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>111</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>114</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>117</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>120</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>123</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>126</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>129</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>132</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>135</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>138</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>141</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>144</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>147</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>150</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>153</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>156</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>159</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>162</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>165</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>168</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>171</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>174</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>177</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>180</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L44IRX48LED56DMV35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	406.86	N.A.	9.70
0-30	1063.25	N.A.	25.30
0-40	1677.7	N.A.	39.90
0-60	3169.29	N.A.	75.30
0-80	4058.51	N.A.	96.50
0-90	4204.98	N.A.	100.00
10-90	4100.87	N.A.	97.50
20-40	1270.83	N.A.	30.20
20-50	1925.25	N.A.	45.80
40-70	2015.02	N.A.	47.90
60-80	889.22	N.A.	21.10
70-80	365.80	N.A.	8.70
80-90	146.47	N.A.	3.50
90-110	1.61	N.A.	0.00
90-120	1.61	N.A.	0.00
90-130	1.61	N.A.	0.00
90-150	1.61	N.A.	0.00
90-180	1.61	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4206.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	104.11
10-20	302.75
20-30	656.39
30-40	614.45
40-50	654.42
50-60	837.18
60-70	523.43
70-80	365.80
80-90	146.47
90-100	1.57
100-110	0.03
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 : L44IRX48LED56DMV35.IES**

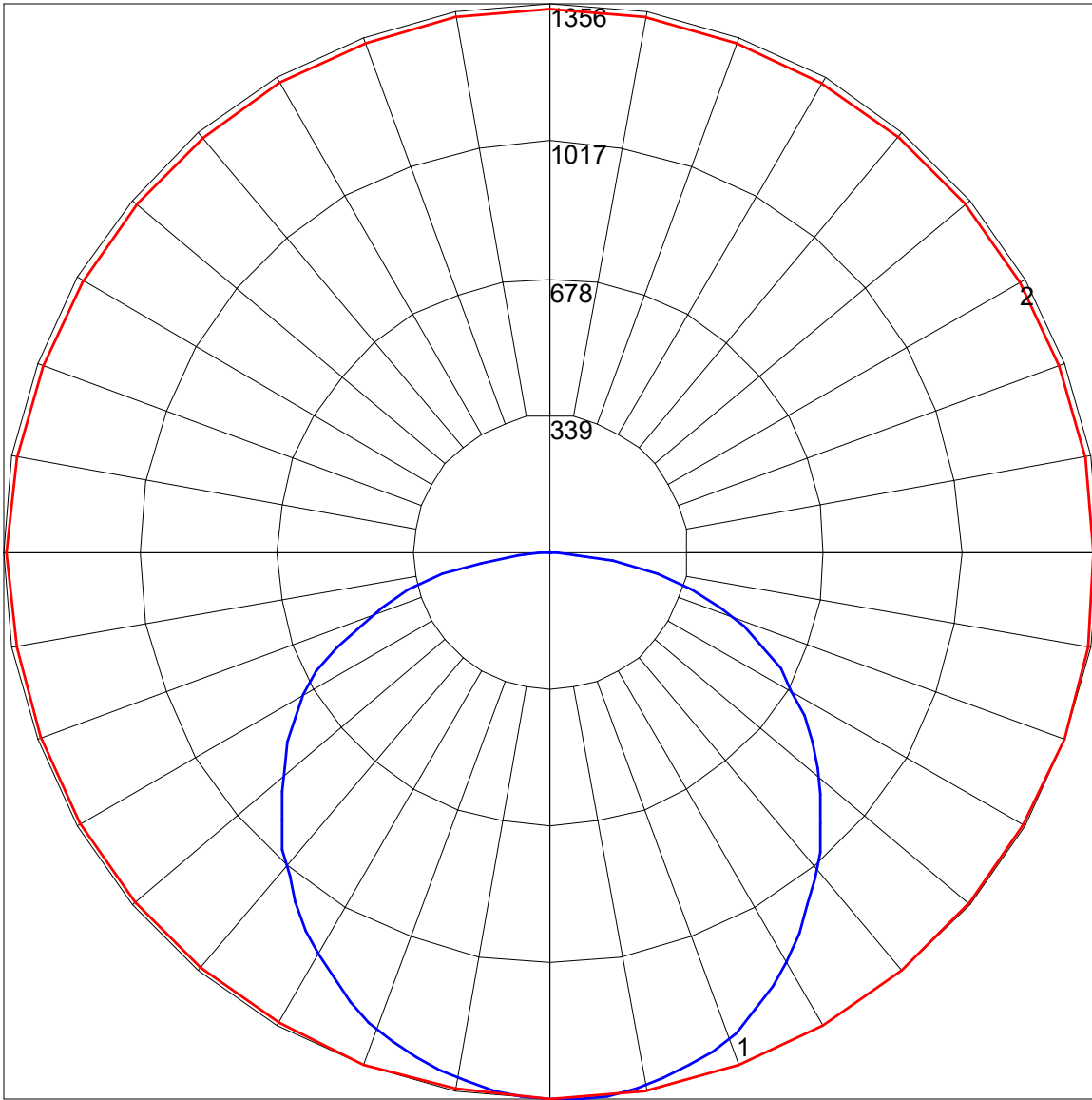
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	10
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	102	98	93	105	100	96	92	96	92	89	92	89	86	88	86	83	81
2	97	88	81	75	94	86	79	74	83	77	72	79	74	70	76	72	69	66
3	88	77	68	61	85	75	67	61	72	65	59	69	63	58	67	62	57	55
4	80	68	58	51	78	66	57	51	64	56	50	61	55	49	59	53	49	46
5	74	60	51	44	71	59	50	43	57	49	43	55	48	42	53	47	42	40
6	68	54	44	38	66	53	44	37	51	43	37	49	42	37	48	41	36	34
7	63	48	39	33	61	48	39	33	46	38	33	45	38	32	43	37	32	30
8	58	44	35	29	57	43	35	29	42	34	29	41	34	29	40	33	28	26
9	54	40	32	26	53	40	32	26	39	31	26	37	31	26	36	30	26	24
10	51	37	29	24	49	37	29	23	36	28	23	35	28	23	34	28	23	21



POLAR GRAPH



Maximum Candela = 1356.19 Located At Horizontal Angle = 300, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (300 - 120) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)