



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 1-48LED32DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 1-48LED32DMV40
 [TESTDATE] 06-Apr-2018 08:46:03
 [TESTLAB] Radiant Vision Systems ProSource
 [ISSUE DATE] 4/6/2018 9:55:19 AM
 [MANUFAC] Mobern Lighting Co.
 [LAMP] LED Module
 [_TOTALLUMINAIRELUMENS] 4951.6
 [DRIVER TYPE] (1) OSRAM OT50W
 [BOARD/LAMP TYPE] (4) LUMA SMART "S" BOARDS
 [COLOR TEMP] 4,121 CCT
 [LUMEN/WATT] 155 LPW
 [CRI] 85.3
 [_NUMBEROFRAYS]10000000
 [OTHER] Absolute Photometry measurement

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4954
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	154
Total Luminaire Watts	32.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.22 m
Luminous Width (90-270)	0.20 m
Luminous Height	0.09 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6802	5109	4866
55	6584	4613	4391
65	6284	3779	2205
75	5696	1287	824
85	2416	53	5

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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	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85
3	1694.30	1694.63	1694.76	1696.27	1696.38	1697.43	1698.64	1699.66	1700.45	1701.07
6	1687.88	1686.51	1685.76	1685.11	1684.89	1685.40	1687.73	1689.82	1691.27	1692.05
9	1684.37	1679.79	1673.30	1666.92	1664.30	1664.54	1667.16	1670.85	1673.94	1675.02
12	1678.30	1668.81	1655.39	1646.52	1645.68	1644.58	1644.32	1645.34	1647.44	1649.23
15	1663.24	1648.68	1632.31	1626.99	1629.08	1628.27	1624.26	1620.80	1615.57	1615.82
18	1638.16	1624.77	1606.60	1610.89	1614.76	1609.72	1603.48	1597.37	1588.32	1585.20
21	1604.22	1597.17	1584.36	1589.97	1589.92	1578.79	1575.89	1570.73	1563.31	1564.78
24	1566.31	1568.60	1555.28	1546.16	1546.59	1538.37	1541.28	1535.48	1533.46	1541.54
27	1528.41	1535.50	1517.72	1501.40	1500.36	1496.35	1506.12	1497.74	1497.28	1502.84
30	1487.55	1493.41	1480.07	1461.19	1452.33	1447.41	1464.23	1458.73	1461.19	1457.59
33	1441.24	1442.92	1439.56	1418.79	1406.92	1402.19	1419.64	1411.27	1423.49	1416.24
36	1395.96	1389.05	1388.16	1373.35	1365.69	1361.21	1375.54	1362.69	1375.83	1372.86
39	1356.85	1338.93	1336.67	1318.69	1323.34	1318.75	1321.53	1315.35	1317.62	1320.83
42	1315.22	1286.48	1276.04	1263.41	1270.59	1267.31	1262.60	1259.76	1257.44	1267.03
45	1260.67	1225.69	1211.59	1207.01	1206.01	1210.72	1197.85	1203.53	1208.58	1217.91
48	1190.10	1162.08	1157.06	1149.99	1142.06	1150.19	1134.40	1152.17	1158.62	1164.66
51	1107.30	1102.12	1094.00	1083.29	1081.26	1083.05	1073.17	1096.43	1095.66	1099.35
54	1034.92	1032.13	1028.32	1002.29	1014.08	1008.76	1009.75	1033.10	1018.33	1032.78
57	987.24	956.75	947.09	933.00	945.16	934.05	960.39	948.35	941.47	964.17
60	927.41	885.14	865.88	857.21	867.46	866.51	895.52	827.85	825.79	829.81
63	823.58	807.40	795.39	782.34	785.53	770.58	781.93	666.77	616.95	594.94
66	714.37	710.04	709.61	716.39	691.70	628.55	542.74	413.20	363.83	372.92
69	638.51	615.79	625.34	616.41	563.77	416.35	335.68	322.94	286.63	298.67
72	566.29	529.37	531.90	473.20	351.71	274.31	235.60	233.91	237.58	253.32
75	458.97	429.43	411.61	307.48	208.37	178.97	172.86	196.21	161.11	139.45
78	332.58	313.40	294.99	170.90	127.02	101.80	91.55	73.63	38.87	14.22
81	226.33	213.07	179.51	108.52	68.00	45.20	29.87	26.98	9.73	2.15
84	119.87	116.39	65.13	46.75	12.72	4.36	1.71	1.26	0.46	0.60
87	44.49	34.95	11.72	5.72	0.95	0.27	0.14	0.00	0.65	0.94
90	8.71	4.39	1.25	0.20	0.00	0.00	0.00	0.00	0.03	0.01
93	0.04	0.24	0.07	0.01	0.01	0.05	0.00	0.00	0.00	0.23
96	0.01	0.02	0.11	0.02	0.01	0.03	0.00	0.00	0.00	0.03
99	0.00	0.01	0.08	0.03	0.02	0.08	0.00	0.00	0.00	0.03
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. 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	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85
3	1701.34	1701.52	1701.63	1701.73	1702.09	1702.70	1702.86	1703.18	1703.13	1702.68
6	1691.23	1690.11	1689.13	1688.62	1690.24	1692.77	1695.46	1697.12	1698.67	1698.50
9	1673.58	1670.53	1668.13	1668.60	1672.01	1677.16	1682.51	1685.45	1686.84	1684.44
12	1649.27	1648.74	1650.19	1655.36	1661.58	1664.89	1667.94	1670.74	1671.43	1666.36
15	1621.55	1629.76	1634.65	1642.64	1648.33	1646.89	1645.71	1649.31	1655.84	1653.64
18	1597.31	1608.50	1609.75	1616.02	1620.12	1616.36	1611.46	1624.75	1637.39	1641.65
21	1571.24	1577.87	1572.78	1575.22	1583.09	1579.79	1579.98	1597.05	1612.36	1614.40
24	1537.20	1537.75	1532.30	1533.22	1538.92	1536.19	1549.06	1568.42	1579.81	1573.59
27	1497.97	1499.81	1495.01	1490.65	1493.53	1493.47	1511.58	1534.76	1540.46	1529.98
30	1459.69	1465.16	1454.86	1449.86	1452.58	1452.52	1467.02	1491.92	1499.04	1484.29
33	1418.63	1421.92	1415.49	1419.04	1421.93	1419.57	1419.23	1437.04	1458.98	1433.57
36	1371.59	1372.29	1370.64	1376.26	1375.62	1386.29	1370.26	1372.95	1414.88	1377.35
39	1320.57	1321.38	1312.64	1313.71	1307.08	1333.50	1328.65	1314.28	1361.95	1325.44
42	1265.00	1265.65	1258.54	1253.79	1251.16	1269.96	1280.85	1260.84	1306.95	1274.11
45	1207.29	1211.58	1203.47	1203.94	1206.61	1195.90	1221.86	1210.72	1255.56	1217.04
48	1146.25	1158.20	1140.36	1146.78	1154.83	1126.82	1152.58	1160.33	1197.63	1154.74
51	1086.10	1098.40	1070.79	1078.70	1079.97	1070.03	1064.65	1106.73	1123.80	1096.33
54	1019.46	1031.64	999.18	1010.15	994.71	996.97	990.39	1040.29	1043.61	1033.65
57	944.24	945.11	943.91	942.40	929.25	914.77	913.06	965.81	967.79	963.17
60	822.00	823.92	878.41	866.97	856.81	827.06	840.59	885.27	892.83	882.90
63	611.41	683.05	759.70	773.22	763.48	750.08	775.24	799.85	812.72	798.08
66	355.76	435.40	555.61	652.62	678.05	685.47	688.65	704.94	726.43	705.79
69	287.29	311.08	356.14	455.68	549.78	591.91	598.75	608.89	634.30	611.30
72	223.08	253.19	247.67	280.38	384.25	462.40	508.48	512.33	536.62	513.50
75	124.75	181.16	195.23	181.88	211.01	308.64	400.02	410.23	433.26	406.90
78	21.63	65.79	98.69	104.29	130.76	169.11	289.28	302.02	322.31	291.06
81	3.87	20.42	32.24	39.01	63.77	95.75	158.64	183.79	195.93	161.58
84	0.39	1.45	3.91	5.87	14.03	39.36	54.19	103.24	98.68	78.43
87	0.62	0.22	0.08	0.62	1.90	4.73	10.65	34.79	33.67	15.72
90	0.05	0.00	0.10	0.29	0.15	0.63	1.00	3.39	7.99	0.32
93	0.00	0.00	0.02	0.14	0.09	0.09	0.22	0.39	1.38	0.07
96	0.00	0.00	0.02	0.01	0.01	0.11	0.01	0.39	1.57	0.01
99	0.00	0.00	0.00	0.01	0.00	0.01	0.08	0.15	0.58	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. 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	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85
3	1701.86	1700.36	1699.02	1696.93	1695.05	1693.34	1691.94	1691.20	1690.57	1690.62
6	1698.03	1695.97	1693.14	1690.04	1686.59	1682.64	1679.78	1677.98	1677.96	1679.39
9	1682.51	1679.31	1679.35	1679.37	1677.12	1673.06	1669.00	1666.33	1666.38	1668.58
12	1660.15	1657.64	1662.26	1665.27	1664.71	1659.52	1654.92	1652.55	1652.57	1655.13
15	1647.14	1642.22	1643.90	1647.42	1643.32	1635.92	1630.81	1632.32	1634.86	1638.15
18	1634.78	1628.19	1622.53	1621.61	1614.85	1605.06	1603.74	1607.92	1614.02	1612.36
21	1607.46	1599.45	1586.32	1582.37	1584.96	1579.19	1578.11	1581.94	1584.91	1579.95
24	1562.30	1550.18	1535.90	1534.64	1550.17	1553.02	1551.89	1551.80	1549.05	1546.67
27	1511.52	1508.46	1497.81	1494.56	1514.18	1519.89	1517.04	1514.97	1510.68	1514.55
30	1465.27	1474.80	1474.19	1465.91	1475.59	1483.27	1476.45	1474.73	1471.78	1479.78
33	1420.24	1442.30	1446.76	1435.96	1432.62	1440.87	1432.02	1434.39	1428.13	1435.79
36	1375.20	1399.23	1395.62	1391.30	1383.01	1393.84	1383.51	1391.87	1379.31	1390.29
39	1336.35	1328.45	1325.14	1332.27	1324.39	1341.19	1330.83	1343.92	1330.41	1347.01
42	1290.95	1257.58	1268.31	1275.78	1272.98	1279.97	1273.32	1288.34	1276.74	1294.33
45	1229.04	1192.94	1224.41	1225.72	1222.02	1220.79	1218.77	1225.10	1216.63	1233.23
48	1156.68	1139.63	1170.27	1160.98	1160.55	1158.96	1163.19	1161.42	1154.36	1169.22
51	1070.92	1089.01	1092.10	1088.83	1094.02	1096.02	1100.45	1101.23	1098.02	1104.87
54	997.38	1013.64	1008.65	1029.51	1029.17	1046.88	1018.92	1028.74	1033.17	1045.72
57	919.06	929.47	943.32	971.23	962.01	965.94	919.28	922.74	945.23	957.28
60	853.31	842.47	876.90	887.64	844.35	797.33	768.53	761.23	793.86	814.62
63	795.56	764.65	781.19	740.27	664.39	581.72	482.93	495.37	543.96	587.47
66	703.74	693.44	644.89	556.08	375.36	355.29	357.84	358.22	356.07	353.90
69	606.08	589.84	477.72	333.53	296.61	313.29	295.02	273.49	294.54	314.81
72	507.67	439.77	303.94	241.77	229.80	216.41	237.98	216.01	225.65	255.09
75	383.80	287.34	201.75	170.67	138.98	94.61	104.54	70.67	91.31	109.11
78	232.17	156.62	107.97	71.79	31.40	1.36	1.85	0.12	2.39	6.29
81	104.64	54.34	35.46	10.50	3.77	0.26	0.11	0.12	0.16	1.66
84	31.45	8.13	2.58	0.60	0.34	1.26	0.25	1.31	0.30	0.41
87	3.61	1.34	0.39	0.23	0.24	0.47	1.00	1.08	1.00	0.21
90	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.01	0.04	0.00
93	0.01	0.17	0.09	0.09	0.00	0.00	0.00	0.00	0.00	0.00
96	0.01	0.09	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00
99	0.02	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	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

IES INDOOR REPORT
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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

	300	310	320	330	340	350	360
0	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85	1700.85
3	1690.92	1691.35	1692.11	1692.97	1693.08	1693.78	1694.30
6	1681.88	1684.11	1686.08	1687.62	1688.47	1688.33	1687.88
9	1672.47	1676.40	1678.47	1680.03	1682.81	1684.67	1684.37
12	1660.95	1666.38	1667.84	1665.26	1668.49	1675.69	1678.30
15	1642.56	1651.20	1652.32	1645.71	1646.76	1657.21	1663.24
18	1608.10	1618.91	1625.94	1619.94	1617.14	1632.71	1638.16
21	1566.68	1578.21	1594.67	1590.17	1588.52	1598.77	1604.22
24	1535.31	1547.88	1564.44	1557.94	1559.60	1561.98	1566.31
27	1509.50	1515.56	1527.98	1523.32	1523.84	1524.82	1528.41
30	1470.93	1464.36	1474.70	1475.19	1481.38	1483.72	1487.55
33	1427.52	1419.80	1426.55	1422.46	1435.35	1439.90	1441.24
36	1387.34	1381.71	1384.66	1376.39	1388.22	1396.06	1395.96
39	1339.67	1333.89	1335.77	1327.45	1342.85	1353.47	1356.85
42	1283.07	1275.20	1281.32	1276.03	1286.62	1301.06	1315.22
45	1216.66	1218.70	1223.11	1217.90	1224.15	1234.00	1260.67
48	1149.08	1161.63	1162.91	1155.54	1164.53	1167.88	1190.10
51	1083.17	1094.82	1097.70	1087.49	1093.29	1114.44	1107.30
54	1013.91	1021.71	1024.65	1009.36	1030.54	1051.00	1034.92
57	953.20	949.48	951.05	939.70	959.13	972.68	987.24
60	863.25	876.38	868.88	856.83	876.60	894.30	927.41
63	706.90	761.96	781.18	772.74	798.33	815.19	823.58
66	477.76	598.70	678.93	703.77	702.37	720.67	714.37
69	303.11	385.49	517.94	609.56	611.33	624.71	638.51
72	222.82	251.13	316.19	479.61	518.32	530.86	566.29
75	188.27	174.96	205.07	304.60	404.99	423.94	458.97
78	60.82	76.88	134.58	163.50	276.81	304.22	332.58

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

81	15.93	26.55	53.26	76.46	164.17	197.70	226.33
84	0.62	2.27	8.16	19.45	53.68	105.06	119.87
87	0.11	0.29	0.64	2.72	6.97	27.74	44.49
90	0.00	0.00	0.00	0.00	0.36	1.07	8.71
93	0.00	0.06	0.01	0.13	0.37	0.02	0.04
96	0.00	0.04	0.00	0.04	0.03	0.00	0.01
99	0.00	0.12	0.01	0.02	0.07	0.00	0.00
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 : 1-48LED32DMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	509.16	N.A.	10.30
0-30	1332.84	N.A.	26.90
0-40	2115.21	N.A.	42.70
0-60	4035.26	N.A.	81.50
0-80	4895.95	N.A.	98.80
0-90	4953.43	N.A.	100.00
10-90	4822.9	N.A.	97.40
20-40	1606.05	N.A.	32.40
20-50	2449.75	N.A.	49.50
40-70	2497.74	N.A.	50.40
60-80	860.69	N.A.	17.40
70-80	283.00	N.A.	5.70
80-90	57.48	N.A.	1.20
90-110	0.21	N.A.	0.00
90-120	0.21	N.A.	0.00
90-130	0.21	N.A.	0.00
90-150	0.21	N.A.	0.00
90-180	0.21	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4953.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.53
10-20	378.63
20-30	823.68
30-40	782.37
40-50	843.71
50-60	1076.35
60-70	577.68
70-80	283.00
80-90	57.48
90-100	0.20
100-110	0.01
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

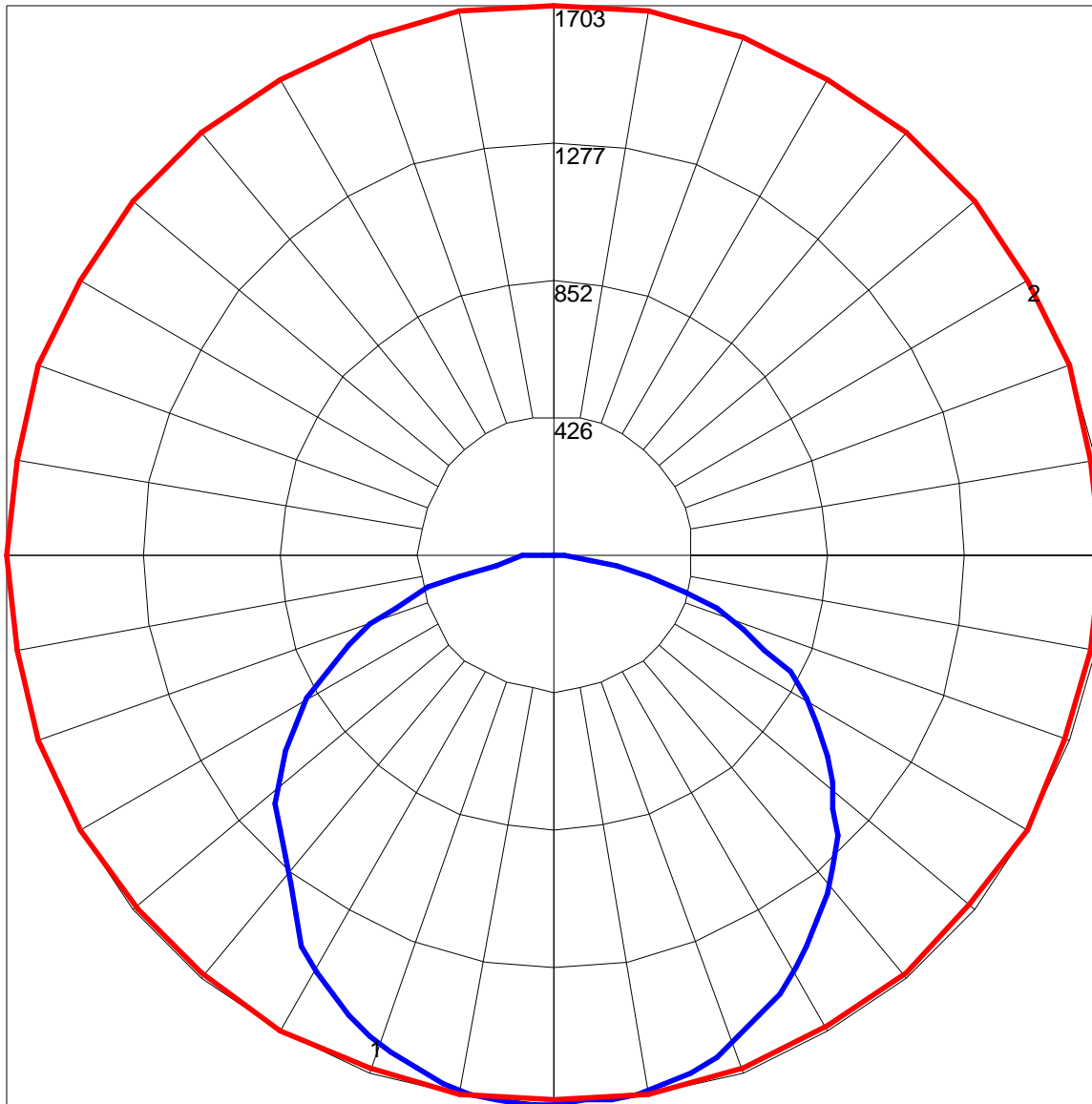
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1703.18 Located At Horizontal Angle = 170, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (170 - 350) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)