



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDISE24-LED32FRDMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA001002-009A-Extrapolated  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] RKDISE24-LED32FRDMV40  
 [LUMINAIRE] Catalog Number: RKDISE24-LED32FRDMV40  
 [MORE] Recessed retrofit kit installed in a Mobern Lighting RG24-232MV 2x4 recessed housing,  
 [MORE] formed white enamel steel housing/reflector, textured translucent white plastic center enclosure.  
 [MORE] 128 white LEDs, four ULT Everline M10CC840D32N2W LED boards with 32 LEDs each.  
 [MORE] One ULT Everline D10CC30UNVPW-C LED driver programmed to 595mA.  
 [MORE] 120.0Vac, 60.00Hz, 0.2667A, 32W, 0.984PF, 7.1%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 created by LightLab/LSA Report program version 3.820a.  
 [DATE] This file created: Monday March 24, 2020  
 [ISSUEDATE] Monday March 24, 2020

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4600
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	32
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.17 m
Luminous Width (90-270)	0.50 m
Luminous Height	0.00 m

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2363	2525	2655
55	2190	2412	2636
65	1967	2341	2745
75	1611	2454	2780
85	966	1370	1110

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1626.044	1626.044	1626.044	1626.044	1626.044
<b>0.5</b>	1613.333	1630.109	1629.439	1628.365	1618.567
<b>1.0</b>	1613.068	1629.969	1629.159	1628.115	1618.442
<b>1.5</b>	1612.554	1629.533	1628.754	1627.788	1618.239
<b>2.0</b>	1611.775	1628.894	1628.131	1627.352	1618.021
<b>2.5</b>	1610.903	1627.975	1627.399	1626.604	1617.414
<b>3.0</b>	1609.750	1627.025	1626.402	1625.810	1616.775
<b>3.5</b>	1608.535	1625.794	1625.312	1624.860	1616.183
<b>4.0</b>	1607.273	1624.439	1623.972	1623.723	1615.155
<b>4.5</b>	1605.778	1623.006	1622.632	1622.461	1614.189
<b>5.0</b>	1604.049	1621.308	1621.106	1621.106	1612.896
<b>5.5</b>	1601.992	1619.439	1619.423	1619.517	1611.681
<b>6.0</b>	1600.014	1617.554	1617.725	1617.866	1610.248
<b>6.5</b>	1597.553	1615.327	1615.451	1615.934	1608.597
<b>7.0</b>	1595.123	1613.052	1613.364	1613.909	1606.915
<b>7.5</b>	1592.537	1610.373	1611.183	1611.822	1605.092
<b>8.0</b>	1589.780	1607.663	1608.659	1609.594	1603.021
<b>8.5</b>	1586.649	1604.827	1605.933	1607.086	1600.949
<b>9.0</b>	1583.471	1601.743	1603.098	1604.547	1598.612
<b>9.5</b>	1580.184	1598.519	1600.170	1601.977	1596.291
<b>10.0</b>	1576.664	1595.092	1597.086	1599.142	1593.705
<b>10.5</b>	1572.894	1591.618	1593.799	1596.244	1591.026
<b>11.0</b>	1568.891	1587.693	1590.310	1593.082	1588.175
<b>11.5</b>	1564.981	1583.845	1586.727	1589.811	1585.262
<b>12.0</b>	1560.666	1579.701	1583.019	1586.322	1582.069
<b>12.5</b>	1556.180	1575.605	1579.156	1582.864	1578.985
<b>13.0</b>	1551.616	1570.978	1574.966	1579.172	1575.542
<b>13.5</b>	1547.098	1566.492	1570.838	1575.231	1572.115
<b>14.0</b>	1542.207	1561.897	1566.601	1571.430	1568.564
<b>14.5</b>	1537.207	1557.005	1561.928	1567.224	1564.638
<b>15.0</b>	1532.066	1551.787	1557.364	1562.894	1560.837
<b>15.5</b>	1526.645	1546.538	1552.457	1558.516	1556.818
<b>16.0</b>	1521.084	1541.132	1547.690	1553.999	1552.550
<b>16.5</b>	1515.321	1535.524	1542.410	1549.295	1548.282
<b>17.0</b>	1509.495	1529.995	1537.222	1544.575	1543.796
<b>17.5</b>	1503.404	1523.935	1531.801	1539.450	1539.279
<b>18.0</b>	1497.282	1518.000	1526.318	1534.481	1534.590
<b>18.5</b>	1491.114	1511.785	1520.757	1529.371	1529.714
<b>19.0</b>	1484.603	1505.460	1514.744	1523.935	1524.901
<b>19.5</b>	1478.154	1499.058	1508.841	1518.467	1519.636
<b>20.0</b>	1471.300	1492.344	1502.750	1512.782	1514.339
<b>20.5</b>	1464.399	1485.599	1496.519	1506.987	1509.199
<b>21.0</b>	1457.358	1478.636	1490.055	1501.005	1503.389
<b>21.5</b>	1450.099	1471.518	1483.683	1495.133	1497.890
<b>22.0</b>	1442.637	1464.243	1476.939	1488.684	1492.080
<b>22.5</b>	1435.223	1457.062	1470.194	1482.515	1486.269
<b>23.0</b>	1427.824	1449.600	1463.355	1476.175	1480.225
<b>23.5</b>	1419.988	1441.796	1456.314	1469.570	1473.994
<b>24.0</b>	1412.168	1434.210	1449.133	1462.857	1467.748
<b>24.5</b>	1403.928	1426.063	1441.672	1455.987	1461.392
<b>25.0</b>	1395.999	1418.135	1434.382	1449.024	1454.819
<b>25.5</b>	1387.401	1409.816	1426.655	1441.905	1448.043
<b>26.0</b>	1379.114	1401.545	1419.022	1434.693	1441.251
<b>26.5</b>	1370.515	1393.024	1411.125	1427.232	1434.319

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**CANDELA TABULATION - (Cont.)**

27.0	1361.979	1384.410	1403.258	1419.848	1427.278
27.5	1353.224	1375.951	1395.376	1412.387	1420.284
28.0	1344.174	1366.994	1387.105	1404.567	1412.947
28.5	1335.186	1358.069	1378.849	1396.856	1405.626
29.0	1325.824	1348.785	1370.328	1388.818	1397.853
29.5	1316.602	1339.750	1361.823	1380.780	1390.251
30.0	1307.162	1330.295	1353.053	1372.337	1382.572
30.5	1297.707	1320.979	1344.423	1364.253	1374.627
31.0	1287.925	1311.212	1335.404	1355.639	1366.621
31.5	1278.158	1301.679	1326.494	1347.352	1358.334
32.0	1268.515	1292.068	1317.630	1338.706	1350.498
32.5	1258.359	1281.958	1308.159	1329.921	1341.868
33.0	1248.327	1272.129	1298.860	1321.104	1333.410
33.5	1237.984	1261.895	1289.482	1312.022	1324.858
34.0	1227.578	1251.707	1279.840	1302.910	1316.041
34.5	1217.329	1241.302	1270.135	1293.673	1307.303
35.0	1206.798	1230.756	1260.415	1284.466	1298.315
35.5	1196.268	1220.491	1250.742	1274.980	1289.311
36.0	1185.473	1209.883	1240.694	1265.509	1280.245
36.5	1175.099	1199.352	1230.896	1256.038	1271.070
37.0	1163.977	1188.464	1220.584	1246.271	1261.630
37.5	1153.119	1177.653	1210.537	1236.707	1252.362
38.0	1141.873	1166.625	1200.069	1226.519	1242.657
38.5	1130.906	1155.690	1189.679	1216.690	1233.202
39.0	1119.691	1144.489	1179.071	1206.502	1223.373
39.5	1108.335	1133.414	1168.650	1196.440	1213.761
40.0	1096.886	1122.012	1157.824	1186.003	1203.698
40.5	1085.654	1110.749	1147.200	1175.862	1193.854
41.0	1074.221	1099.596	1136.420	1165.503	1183.822
41.5	1062.678	1088.116	1125.485	1155.160	1173.837
42.0	1051.120	1076.729	1114.503	1144.739	1163.790
42.5	1039.343	1064.968	1103.506	1134.006	1153.431
43.0	1027.785	1053.487	1092.399	1123.507	1143.150
43.5	1015.868	1041.836	1081.090	1112.852	1132.713
44.0	1004.170	1030.153	1069.906	1102.057	1122.432
44.5	992.144	1018.392	1058.503	1091.215	1111.762
45.0	980.274	1006.818	1047.303	1080.561	1101.434
45.5	968.638	995.088	1035.979	1069.843	1091.044
46.0	956.410	983.063	1024.311	1058.908	1080.374
46.5	944.369	971.364	1012.862	1048.020	1069.734
47.0	932.452	959.214	1001.132	1036.929	1058.986
47.5	920.489	947.422	989.605	1025.994	1048.440
48.0	908.386	935.334	977.782	1014.840	1037.676
48.5	896.189	923.355	966.348	1003.921	1026.881
49.0	884.054	911.189	954.416	992.830	1016.071
49.5	871.966	899.195	942.578	981.832	1005.400
50.0	859.816	887.232	930.988	970.928	994.652
50.5	847.588	874.910	918.978	959.759	983.920
51.0	835.313	862.853	907.233	948.699	973.031
51.5	822.976	850.547	895.067	937.577	962.143
52.0	810.670	838.459	883.384	926.595	951.534
52.5	798.317	826.138	871.249	915.411	940.428
53.0	786.167	814.112	859.551	904.585	929.742
53.5	773.643	801.650	847.432	893.307	918.869
54.0	761.524	789.578	835.640	882.387	908.183
54.5	749.327	777.412	823.755	871.530	897.419

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**CANDELA TABULATION - (Cont.)**

55.0	736.771	765.028	811.667	860.423	886.733
55.5	724.356	752.738	799.921	849.566	876.141
56.0	711.957	740.354	787.802	838.537	865.408
56.5	699.729	728.126	776.104	827.633	855.143
57.0	687.314	715.649	764.141	816.605	844.706
57.5	674.867	703.421	752.395	805.887	834.472
58.0	662.452	690.881	740.494	795.124	824.206
58.5	650.006	678.731	728.811	784.609	814.050
59.0	637.513	666.347	717.191	774.141	804.018
59.5	625.238	653.869	705.383	763.829	793.955
60.0	612.590	641.641	693.856	753.548	783.939
60.5	600.003	629.055	682.049	743.314	773.502
61.0	587.760	616.842	670.599	733.142	763.611
61.5	575.033	604.240	658.963	722.845	753.174
62.0	562.665	592.090	647.545	712.611	743.049
62.5	550.078	579.441	635.706	702.237	732.425
63.0	537.554	567.369	624.569	692.111	722.253
63.5	525.170	555.094	613.369	681.971	711.941
64.0	512.755	542.897	602.262	671.627	701.520
64.5	500.294	530.654	591.202	661.300	691.005
65.0	487.536	518.394	580.251	650.863	680.397
65.5	475.136	506.244	569.503	640.504	669.945
66.0	462.503	493.907	558.770	630.052	658.994
66.5	450.337	481.850	548.334	619.568	648.464
67.0	437.626	469.560	537.726	608.820	637.544
67.5	425.071	457.659	527.429	598.477	626.843
68.0	413.030	445.882	517.148	587.993	616.032
68.5	400.397	433.810	506.524	577.214	604.972
69.0	388.200	422.189	496.275	566.668	594.193
69.5	376.065	410.288	485.807	555.624	582.775
70.0	363.822	398.652	475.541	545.000	571.653
70.5	351.469	386.891	465.167	534.049	560.313
71.0	339.334	375.536	454.917	523.177	549.050
71.5	327.059	363.868	444.480	512.086	537.149
72.0	315.283	352.653	434.122	501.104	524.859
72.5	303.351	341.437	424.074	490.059	511.198
73.0	291.341	330.268	413.622	478.158	496.072
73.5	279.736	319.099	403.590	465.899	479.405
74.0	267.913	308.102	393.153	451.957	461.055
74.5	256.276	297.338	382.997	436.785	442.191
75.0	244.562	286.449	372.514	419.962	421.987
75.5	233.300	276.028	362.373	402.469	401.254
76.0	221.757	265.560	351.640	383.573	379.477
76.5	210.651	255.840	341.235	364.242	357.965
77.0	199.762	246.307	330.190	344.319	336.359
77.5	188.718	236.493	318.461	323.368	314.239
78.0	178.016	227.147	305.298	302.665	293.008
78.5	167.253	217.614	290.780	281.652	271.776
79.0	156.769	208.345	275.732	261.090	251.837
79.5	146.379	198.906	259.236	240.466	231.758
80.0	136.363	189.653	242.101	220.823	212.987
80.5	126.347	180.415	224.000	201.678	194.746
81.0	116.860	171.381	205.775	183.453	177.253
81.5	107.265	162.377	187.332	166.069	160.586
82.0	98.261	153.280	168.701	148.949	144.167
82.5	89.273	144.120	150.647	132.920	128.465

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**CANDELA TABULATION - (Cont.)**

83.0	80.768	134.369	132.827	117.250	113.091
83.5	72.372	123.979	115.848	102.358	98.728
84.0	64.381	112.109	99.772	88.027	84.086
84.5	56.748	99.788	84.553	74.257	70.487
85.0	49.364	86.407	70.035	60.782	56.763
85.5	42.619	72.777	56.904	48.196	44.068
86.0	36.404	59.162	44.785	35.968	31.762
86.5	30.080	45.844	32.977	24.082	19.487
87.0	24.519	34.083	22.509	13.272	8.910
87.5	19.347	23.366	12.758	5.016	3.256
88.0	14.814	14.720	5.545	2.851	1.932
88.5	10.483	7.866	3.038	1.885	1.480
89.0	6.309	3.707	1.823	1.137	0.826
89.5	2.087	1.433	0.654	0.514	0.545
90.0	0.280	0.218	0.203	0.203	0.327
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDISE24-LED32FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDISE24-LED32FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
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 : RKDISE24-LED32FRDMV40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	592.22	N.A.	12.90
0-30	1251.73	N.A.	27.20
0-40	2037.87	N.A.	44.30
0-60	3569.92	N.A.	77.60
0-80	4514.88	N.A.	98.10
0-90	4600.05	N.A.	100.00
10-90	4446.36	N.A.	96.70
20-40	1445.65	N.A.	31.40
20-50	2250.94	N.A.	48.90
40-70	2109.92	N.A.	45.90
60-80	944.96	N.A.	20.50
70-80	367.09	N.A.	8.00
80-90	85.18	N.A.	1.90
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4600.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	153.69
10-20	438.53
20-30	659.51
30-40	786.14
40-50	805.29
50-60	726.76
60-70	577.87
70-80	367.09
80-90	85.18
90-100	0.01
100-110	0.00
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

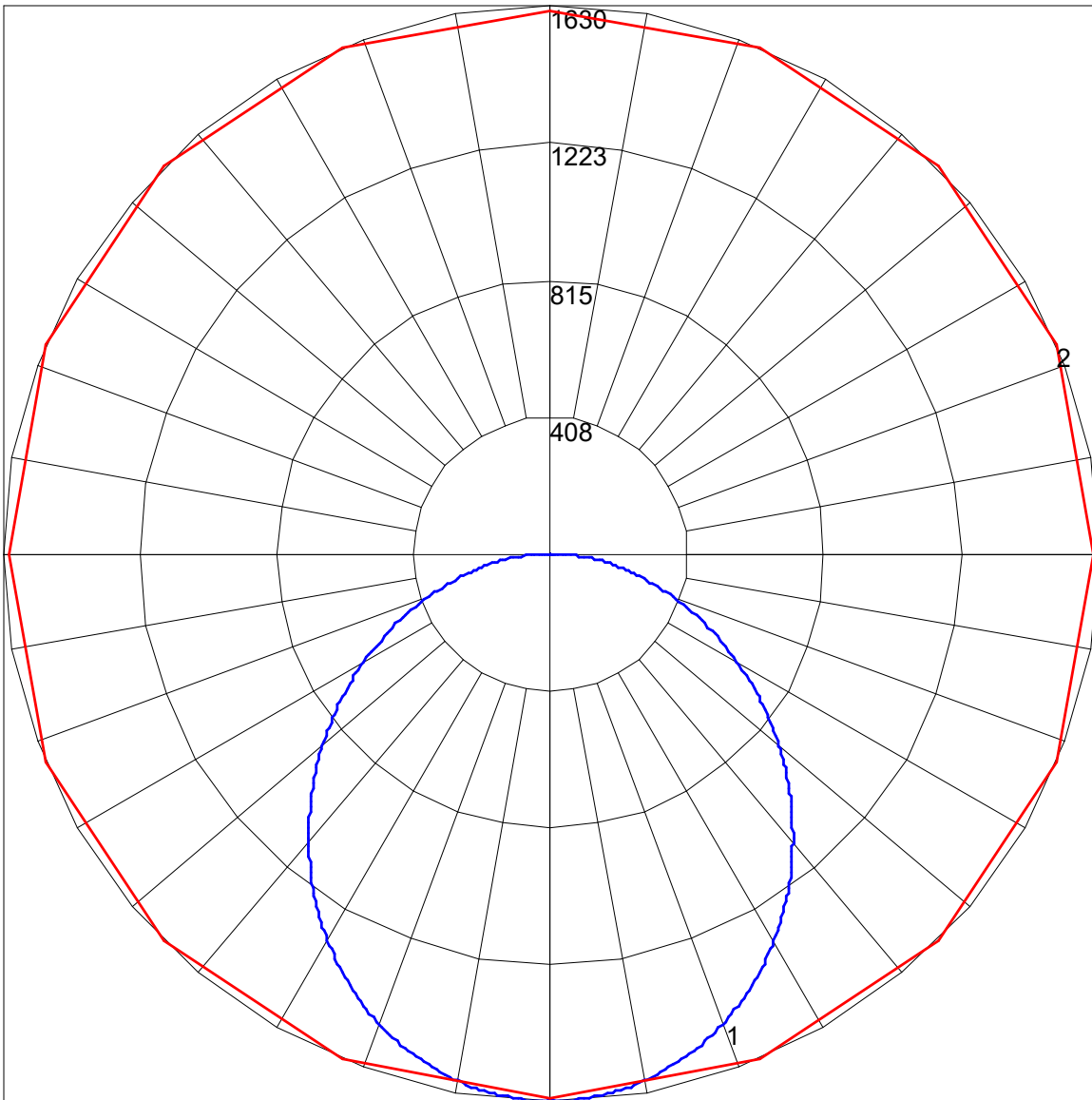
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDISE24-LED32FRDMV40.IES**

**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	109	104	99	95	106	101	97	94	97	94	91	93	90	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35	47	40	35	46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 1630.109 Located At Horizontal Angle = 22.5, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)