



IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.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-LED21FRDMV40
 [LUMINAIRE] Catalog Number: RKDISE24-LED21FRDMV40
 [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 400mA.
 [MORE] 120.0Vac, 60.00Hz, 0.1822A, 21.51W, 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 23, 2020
 [ISSUEDATE] Monday March 23, 2020

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3090
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	21.5
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1588	1696	1784
55	1471	1621	1770
65	1321	1572	1844
75	1082	1648	1867
85	649	920	746

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.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	1092.295	1092.295	1092.295	1092.295	1092.295
0.5	1083.756	1095.026	1094.576	1093.854	1087.272
1.0	1083.579	1094.932	1094.388	1093.687	1087.189
1.5	1083.233	1094.639	1094.116	1093.467	1087.053
2.0	1082.710	1094.210	1093.697	1093.174	1086.906
2.5	1082.124	1093.593	1093.205	1092.672	1086.498
3.0	1081.350	1092.954	1092.536	1092.138	1086.069
3.5	1080.534	1092.128	1091.803	1091.500	1085.671
4.0	1079.686	1091.217	1090.903	1090.736	1084.981
4.5	1078.681	1090.255	1090.003	1089.888	1084.332
5.0	1077.520	1089.114	1088.978	1088.978	1083.463
5.5	1076.139	1087.858	1087.848	1087.911	1082.647
6.0	1074.810	1086.592	1086.707	1086.801	1081.685
6.5	1073.156	1085.096	1085.180	1085.504	1080.575
7.0	1071.524	1083.568	1083.777	1084.144	1079.445
7.5	1069.787	1081.768	1082.312	1082.741	1078.221
8.0	1067.935	1079.948	1080.617	1081.245	1076.829
8.5	1065.832	1078.043	1078.786	1079.560	1075.438
9.0	1063.697	1075.971	1076.882	1077.855	1073.868
9.5	1061.489	1073.805	1074.914	1076.128	1072.309
10.0	1059.124	1071.503	1072.842	1074.224	1070.572
10.5	1056.592	1069.170	1070.635	1072.277	1068.772
11.0	1053.903	1066.533	1068.291	1070.153	1066.857
11.5	1051.276	1063.948	1065.884	1067.956	1064.900
12.0	1048.378	1061.165	1063.393	1065.612	1062.755
12.5	1045.364	1058.413	1060.798	1063.289	1060.683
13.0	1042.298	1055.305	1057.984	1060.809	1058.371
13.5	1039.264	1052.291	1055.211	1058.161	1056.069
14.0	1035.978	1049.204	1052.364	1055.608	1053.683
14.5	1032.619	1045.919	1049.225	1052.783	1051.046
15.0	1029.166	1042.413	1046.159	1049.874	1048.493
15.5	1025.524	1038.887	1042.863	1046.934	1045.793
16.0	1021.789	1035.256	1039.661	1043.899	1042.926
16.5	1017.917	1031.489	1036.114	1040.739	1040.059
17.0	1014.003	1027.774	1032.629	1037.568	1037.045
17.5	1009.912	1023.704	1028.988	1034.126	1034.011
18.0	1005.800	1019.717	1025.305	1030.788	1030.861
18.5	1001.656	1015.542	1021.569	1027.355	1027.586
19.0	997.282	1011.293	1017.530	1023.704	1024.352
19.5	992.950	1006.993	1013.564	1020.031	1020.815
20.0	988.346	1002.483	1009.472	1016.211	1017.258
20.5	983.710	997.952	1005.287	1012.319	1013.805
21.0	978.980	993.274	1000.944	1008.301	1009.902
21.5	974.104	988.492	996.665	1004.356	1006.208
22.0	969.092	983.605	992.134	1000.024	1002.305
22.5	964.111	978.782	987.603	995.880	998.402
23.0	959.141	973.769	983.009	991.621	994.342
23.5	953.877	968.527	978.279	987.184	990.156
24.0	948.624	963.431	973.455	982.674	985.960
24.5	943.089	957.958	968.443	978.060	981.691
25.0	937.763	952.632	963.546	973.382	977.275
25.5	931.987	947.044	958.356	968.600	972.723
26.0	926.420	941.488	953.228	963.755	968.161
26.5	920.644	935.764	947.923	958.743	963.504

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

CANDELA TABULATION - (Cont.)

27.0	914.909	929.977	942.639	953.783	958.774
27.5	909.029	924.296	937.344	948.771	954.076
28.0	902.949	918.279	931.788	943.518	949.148
28.5	896.911	912.283	926.242	938.338	944.229
29.0	890.622	906.046	920.518	932.939	939.008
29.5	884.428	899.977	914.805	927.539	933.901
30.0	878.087	893.626	908.913	921.868	928.743
30.5	871.735	887.368	903.116	916.437	923.406
31.0	865.163	880.807	897.058	910.650	918.028
31.5	858.603	874.403	891.072	905.084	912.461
32.0	852.125	867.947	885.118	899.276	907.197
32.5	845.303	861.156	878.756	893.374	901.400
33.0	838.564	854.553	872.509	887.452	895.718
33.5	831.616	847.678	866.210	881.351	889.974
34.0	824.626	840.835	859.733	875.230	884.051
34.5	817.741	833.845	853.214	869.025	878.181
35.0	810.667	826.761	846.684	862.840	872.143
35.5	803.593	819.865	840.186	856.468	866.095
36.0	796.342	812.739	833.437	850.106	860.005
36.5	789.373	805.665	826.855	843.744	853.841
37.0	781.901	798.351	819.928	837.183	847.500
37.5	774.608	791.089	813.178	830.758	841.274
38.0	767.053	783.680	806.147	823.914	834.755
38.5	759.686	776.335	799.167	817.312	828.403
39.0	752.152	768.811	792.041	810.468	821.801
39.5	744.524	761.371	785.041	803.708	815.344
40.0	736.833	753.711	777.768	796.698	808.585
40.5	729.288	746.146	770.632	789.885	801.971
41.0	721.608	738.654	763.391	782.927	795.233
41.5	713.854	730.942	756.045	775.979	788.525
42.0	706.090	723.293	748.668	768.978	781.776
42.5	698.179	715.392	741.280	761.769	774.817
43.0	690.415	707.680	733.819	754.716	767.911
43.5	682.410	699.853	726.222	747.559	760.900
44.0	674.551	692.005	718.709	740.307	753.994
44.5	666.473	684.105	711.050	733.024	746.826
45.0	658.499	676.330	703.526	725.867	739.888
45.5	650.683	668.451	695.919	718.667	732.909
46.0	642.469	660.373	688.081	711.322	725.741
46.5	634.380	652.514	680.390	704.007	718.594
47.0	626.375	644.352	672.511	696.557	711.374
47.5	618.339	636.431	664.767	689.211	704.290
48.0	610.208	628.311	656.825	681.719	697.059
48.5	602.015	620.264	649.145	674.384	689.808
49.0	593.863	612.092	641.129	666.933	682.546
49.5	585.743	604.034	633.177	659.546	675.378
50.0	577.581	595.998	625.391	652.221	668.158
50.5	569.367	587.721	617.324	644.718	660.948
51.0	561.122	579.622	609.434	637.289	653.634
51.5	552.834	571.355	601.261	629.818	646.319
52.0	544.567	563.235	593.413	622.441	639.193
52.5	536.270	554.958	585.262	614.927	631.733
53.0	528.108	546.880	577.403	607.655	624.554
53.5	519.695	538.509	569.263	600.079	617.250
54.0	511.554	530.399	561.341	592.744	610.072
54.5	503.360	522.227	553.357	585.450	602.841

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

CANDELA TABULATION - (Cont.)

55.0	494.926	513.908	545.237	577.989	595.663
55.5	486.586	505.652	537.347	570.696	588.548
56.0	478.257	497.333	529.206	563.288	581.338
56.5	470.043	489.119	521.348	555.963	574.442
57.0	461.703	480.737	513.311	548.554	567.431
57.5	453.342	472.523	505.422	541.355	560.556
58.0	445.003	464.099	497.427	534.124	553.661
58.5	436.642	455.937	489.579	527.061	546.838
59.0	428.250	447.619	481.773	520.029	540.099
59.5	420.004	439.237	473.841	513.102	533.340
60.0	411.507	431.023	466.098	506.196	526.611
60.5	403.052	422.568	458.166	499.321	519.600
61.0	394.828	414.364	450.475	492.488	512.956
61.5	386.279	405.899	442.659	485.571	505.945
62.0	377.970	397.737	434.988	478.697	499.143
62.5	369.515	389.240	427.036	471.728	492.007
63.0	361.102	381.130	419.554	464.926	485.174
63.5	352.783	372.885	412.030	458.114	478.247
64.0	344.443	364.691	404.570	451.166	471.246
64.5	336.072	356.467	397.140	444.228	464.183
65.0	327.502	348.231	389.784	437.217	457.057
65.5	319.173	340.070	382.564	430.259	450.036
66.0	310.687	331.782	375.354	423.237	442.679
66.5	302.514	323.683	368.343	416.195	435.606
67.0	293.976	315.427	361.217	408.975	428.271
67.5	285.542	307.432	354.301	402.027	421.082
68.0	277.453	299.522	347.394	394.985	413.820
68.5	268.967	291.412	340.258	387.744	406.390
69.0	260.773	283.606	333.373	380.659	399.149
69.5	252.622	275.611	326.341	373.240	391.479
70.0	244.397	267.795	319.445	366.104	384.008
70.5	236.099	259.894	312.476	358.748	376.390
71.0	227.948	252.266	305.591	351.444	368.825
71.5	219.702	244.429	298.580	343.994	360.830
72.0	211.791	236.894	291.621	336.616	352.574
72.5	203.776	229.360	284.872	329.197	343.397
73.0	195.708	221.858	277.851	321.203	333.237
73.5	187.913	214.355	271.112	312.968	322.040
74.0	179.970	206.967	264.101	303.602	309.713
74.5	172.154	199.737	257.278	293.411	297.042
75.0	164.285	192.422	250.236	282.109	283.470
75.5	156.719	185.422	243.424	270.358	269.542
76.0	148.965	178.390	236.214	257.666	254.913
76.5	141.505	171.861	229.224	244.680	240.463
77.0	134.190	165.457	221.805	231.296	225.949
77.5	126.771	158.864	213.926	217.222	211.090
78.0	119.583	152.586	205.084	203.316	196.828
78.5	112.352	146.182	195.331	189.200	182.565
79.0	105.310	139.956	185.223	175.387	169.171
79.5	98.330	133.615	174.142	161.533	155.683
80.0	91.602	127.399	162.631	148.338	143.074
80.5	84.874	121.194	150.472	135.477	130.821
81.0	78.501	115.125	138.229	123.235	119.070
81.5	72.055	109.077	125.840	111.557	107.873
82.0	66.007	102.966	113.325	100.057	96.844
82.5	59.969	96.813	101.197	89.289	86.297

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

CANDELA TABULATION - (Cont.)

83.0	54.256	90.262	89.227	78.763	75.969
83.5	48.616	83.283	77.821	68.759	66.321
84.0	43.248	75.309	67.022	59.132	56.485
84.5	38.120	67.032	56.799	49.882	47.350
85.0	33.160	58.044	47.046	40.831	38.131
85.5	28.630	48.888	38.225	32.376	29.603
86.0	24.454	39.742	30.084	24.161	21.336
86.5	20.206	30.796	22.152	16.177	13.090
87.0	16.470	22.895	15.120	8.915	5.985
87.5	12.996	15.696	8.570	3.369	2.187
88.0	9.951	9.888	3.725	1.915	1.298
88.5	7.042	5.284	2.040	1.266	0.994
89.0	4.238	2.490	1.224	0.764	0.555
89.5	1.402	0.963	0.439	0.345	0.366
90.0	0.188	0.146	0.136	0.136	0.220
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

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-LED21FRDMV40.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-LED21FRDMV40.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-LED21FRDMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	397.82	N.A.	12.90
0-30	840.85	N.A.	27.20
0-40	1368.94	N.A.	44.30
0-60	2398.09	N.A.	77.60
0-80	3032.87	N.A.	98.10
0-90	3090.09	N.A.	100.00
10-90	2986.85	N.A.	96.70
20-40	971.11	N.A.	31.40
20-50	1512.07	N.A.	48.90
40-70	1417.34	N.A.	45.90
60-80	634.78	N.A.	20.50
70-80	246.59	N.A.	8.00
80-90	57.22	N.A.	1.90
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3090.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	103.24
10-20	294.58
20-30	443.02
30-40	528.09
40-50	540.95
50-60	488.20
60-70	388.19
70-80	246.59
80-90	57.22
90-100	0.00
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

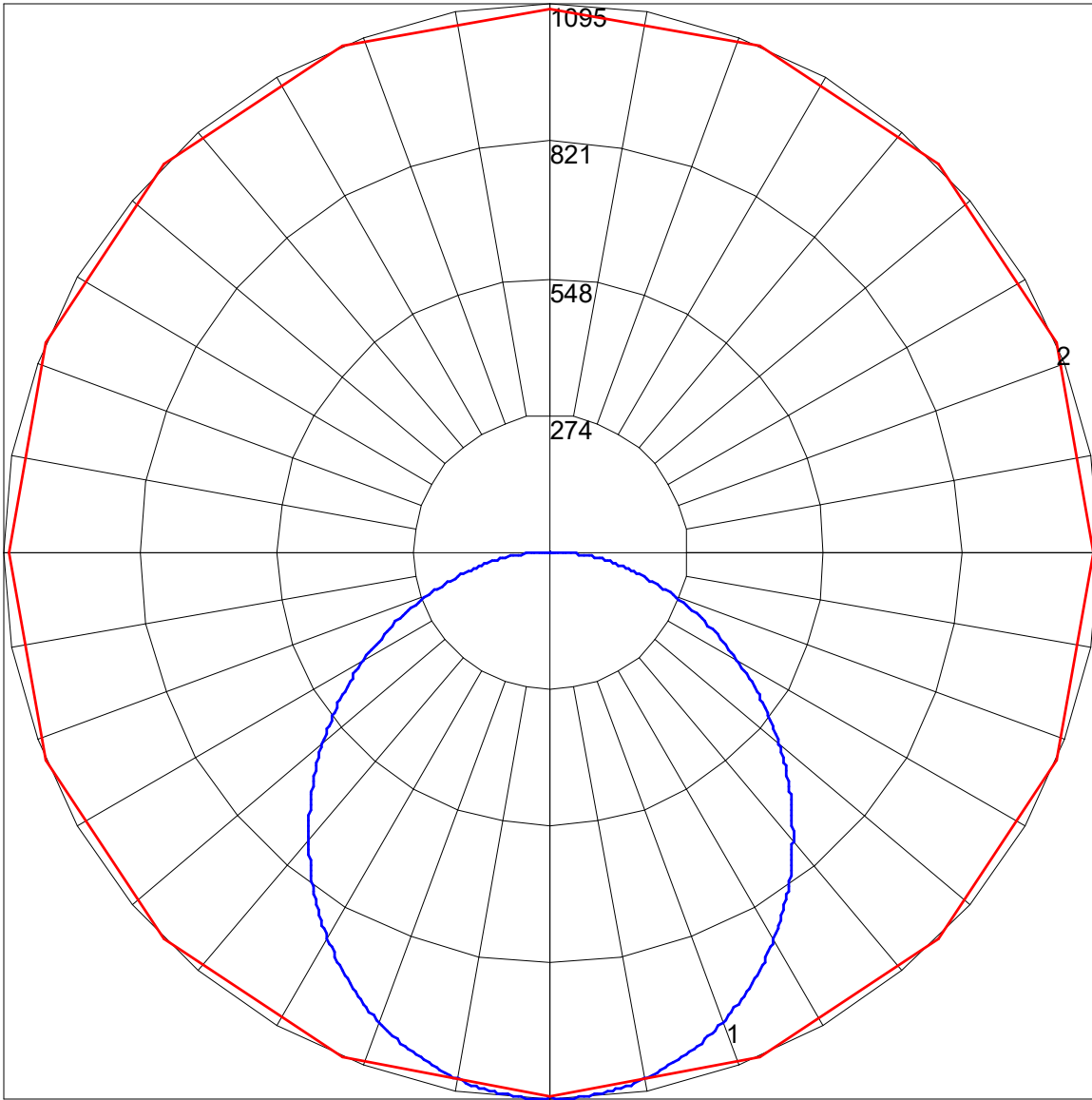
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV40.IES

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 = 1095.026 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.)