



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLIA000617-001  
 [TESTLAB] LightLab International Allentown, LLC  
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA  
 [LUMCAT] RKDIS22-LED28FRDMV40  
 [LUMINAIRE] Catalog Number: RKDIS22-LED28FRDMV40  
 [MORE] 2x2 Retrofit kit installed in Mobern recessed RG22 housing with side bracket mounting rails,  
 [MORE] formed white steel housing with frosted plastic enclosure. 96 LEDs, three Universal  
 [MORE] Lighting Technologies Everline M10CC840D32N2S boards with 32 LEDs each.[MORE] UNVLT D10CC55UNVTZ-C LED  
 [MORE] 120.0Vac, 60.0Hz, 0.2222A, 26.48W, 0.993PF, 7.5%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 was extrapolated from LLIA000617-001  
 [DATE] This file created: Friday, May 26, 2017  
 [ISSUE DATE] Friday, May 26, 2017

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3360
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	26.48
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.49 m
Luminous Width (90-270)	0.57 m
Luminous Height	0.00 m

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3400	3907	4461
55	3137	3899	4589
65	2844	3805	4750
75	2467	3666	4811
85	1773	2500	2333

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.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	1130.794	1130.794	1130.794	1130.794	1130.794
0.5	1125.664	1126.628	1137.561	1131.867	1128.501
1.0	1125.591	1126.482	1137.452	1131.703	1128.301
1.5	1125.191	1126.209	1137.161	1131.503	1128.301
2.0	1124.554	1125.864	1136.942	1131.376	1128.429
2.5	1124.154	1125.318	1136.397	1131.012	1128.047
3.0	1123.499	1124.627	1135.814	1130.521	1127.683
3.5	1122.553	1124.154	1135.196	1130.139	1127.537
4.0	1121.552	1123.135	1134.268	1129.611	1126.973
4.5	1120.170	1122.262	1133.522	1128.956	1126.573
5.0	1118.933	1121.006	1132.485	1128.101	1125.773
5.5	1117.404	1119.733	1131.376	1127.446	1125.372
6.0	1115.858	1118.441	1130.084	1126.482	1124.645
6.5	1114.094	1116.804	1128.811	1125.627	1123.772
7.0	1112.202	1115.203	1127.337	1124.554	1122.989
7.5	1110.182	1113.475	1125.791	1123.517	1122.080
8.0	1107.890	1111.656	1124.081	1122.062	1121.079
8.5	1105.780	1109.600	1122.444	1120.952	1119.806
9.0	1103.397	1107.508	1120.315	1119.587	1118.914
9.5	1101.050	1105.380	1118.423	1118.078	1117.823
10.0	1098.558	1102.942	1116.368	1116.640	1116.295
10.5	1096.102	1100.668	1114.148	1115.021	1115.076
11.0	1093.155	1098.358	1112.074	1113.293	1113.530
11.5	1089.971	1095.866	1109.709	1111.529	1112.093
12.0	1086.297	1093.100	1107.508	1109.691	1110.510
12.5	1082.949	1090.044	1105.089	1107.581	1108.854
13.0	1079.329	1086.697	1102.815	1105.653	1107.072
13.5	1075.673	1083.350	1100.868	1103.397	1105.398
14.0	1072.053	1079.802	1099.031	1101.250	1103.615
14.5	1068.069	1076.237	1096.921	1099.049	1101.705
15.0	1064.121	1072.180	1093.974	1096.757	1099.740
15.5	1059.955	1067.941	1090.062	1094.228	1097.794
16.0	1055.917	1063.521	1085.533	1091.791	1095.702
16.5	1051.642	1058.936	1081.330	1089.080	1093.446
17.0	1047.039	1054.480	1077.328	1086.624	1091.008
17.5	1042.546	1050.186	1073.544	1083.895	1088.807
18.0	1037.943	1045.766	1069.688	1081.149	1086.460
18.5	1033.232	1041.309	1065.831	1078.256	1084.041
19.0	1028.284	1036.615	1061.847	1075.218	1081.621
19.5	1023.390	1032.049	1057.936	1072.271	1078.856
20.0	1018.205	1027.319	1053.843	1069.360	1076.255
20.5	1013.166	1022.499	1049.768	1066.104	1073.654
21.0	1007.854	1017.532	1045.420	1062.939	1070.870
21.5	1002.561	1012.329	1041.218	1059.792	1068.051
22.0	996.830	1007.254	1036.634	1056.317	1065.176
22.5	991.482	1002.033	1032.322	1053.042	1062.284
23.0	985.770	996.594	1027.829	1049.313	1059.118
23.5	979.821	991.264	1022.935	1045.948	1055.844
24.0	974.091	985.715	1018.387	1042.400	1052.879
24.5	967.996	980.057	1013.603	1038.780	1049.477
25.0	961.829	974.418	1008.746	1035.160	1046.330
25.5	955.662	968.542	1003.798	1031.467	1043.128
26.0	949.441	962.775	998.722	1027.556	1039.635
26.5	943.201	956.827	993.592	1023.554	1036.033

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

27.0	936.743	950.733	988.498	1019.424	1032.595
27.5	930.376	944.638	983.205	1015.404	1028.920
28.0	923.682	938.380	977.765	1011.074	1025.391
28.5	917.314	932.031	972.435	1006.817	1021.625
29.0	910.292	925.883	967.014	1002.433	1018.023
29.5	903.307	919.243	961.466	998.122	1014.058
30.0	896.703	912.803	955.808	993.628	1010.256
30.5	889.554	906.327	950.223	989.099	1006.399
31.0	882.441	899.614	944.365	984.423	1002.360
31.5	875.492	892.938	938.508	979.948	998.395
32.0	868.288	886.079	932.850	975.128	994.392
32.5	860.957	879.203	926.829	970.307	990.245
33.0	853.844	872.217	920.844	965.686	986.152
33.5	846.385	865.286	914.822	960.956	981.858
34.0	838.999	858.210	908.582	955.954	977.674
34.5	831.577	851.133	902.543	951.278	973.672
35.0	823.900	844.038	896.376	946.312	969.452
35.5	816.333	836.634	890.045	941.291	965.213
36.0	808.801	829.321	883.787	936.325	960.920
36.5	801.124	822.099	877.329	931.358	956.627
37.0	793.156	814.732	871.071	926.356	952.224
37.5	785.552	807.382	864.631	921.426	947.858
38.0	777.784	799.905	858.064	916.332	943.838
38.5	769.816	792.320	851.533	911.184	939.126
39.0	761.849	784.861	845.003	906.108	934.615
39.5	753.990	777.293	838.472	900.942	930.067
40.0	745.913	769.489	831.704	895.848	925.592
40.5	738.072	761.849	825.101	890.664	920.771
41.0	730.195	754.190	818.516	885.497	916.041
41.5	721.954	746.313	811.548	880.131	911.129
42.0	713.913	738.691	804.817	874.855	905.890
42.5	705.836	730.923	797.977	869.361	900.614
43.0	697.632	722.918	791.101	863.995	895.393
43.5	689.373	715.241	784.370	858.373	889.627
44.0	681.150	707.328	777.621	852.643	883.878
44.5	672.909	699.397	770.581	846.585	878.111
45.0	664.650	691.447	763.813	840.618	872.017
45.5	656.755	683.570	756.991	834.451	866.178
46.0	648.151	675.547	750.024	828.030	859.556
46.5	640.074	667.507	743.311	821.554	853.207
47.0	631.705	659.684	736.453	814.968	846.622
47.5	623.337	651.589	729.486	808.092	839.963
48.0	614.969	643.639	722.645	801.142	833.142
48.5	606.637	635.362	715.605	793.957	826.211
49.0	598.269	627.339	708.638	786.935	819.134
49.5	589.956	619.426	701.889	779.658	812.021
50.0	581.515	611.313	694.885	772.291	804.981
50.5	573.001	603.272	687.663	764.723	797.413
51.0	564.578	595.158	680.514	757.264	790.318
51.5	556.319	587.027	673.310	749.624	783.005
52.0	547.969	578.877	665.724	741.892	775.329
52.5	539.692	570.672	658.120	734.015	767.797
53.0	531.397	562.759	650.479	726.229	759.884
53.5	522.901	554.627	642.693	718.243	752.152
54.0	514.406	546.496	634.707	710.130	743.948
54.5	506.165	538.382	626.630	702.162	735.962

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

55.0	497.506	530.305	618.298	693.975	727.666
55.5	489.465	522.283	610.148	685.698	719.808
56.0	480.987	514.242	601.926	677.403	711.476
56.5	472.674	506.092	593.321	668.780	702.980
57.0	464.215	498.033	584.880	660.266	694.612
57.5	455.974	489.938	576.275	651.771	686.080
58.0	447.460	481.952	567.689	643.057	677.676
58.5	439.310	474.020	559.157	634.361	669.180
59.0	430.924	466.070	550.480	625.502	660.594
59.5	422.556	457.975	541.729	616.497	652.098
60.0	414.370	450.153	533.088	607.983	643.694
60.5	405.910	442.348	524.629	599.124	635.144
61.0	397.670	434.253	515.588	590.137	626.448
61.5	389.538	426.522	506.856	581.351	617.570
62.0	381.224	418.699	498.069	572.637	608.711
62.5	373.075	410.786	489.210	563.578	599.925
63.0	364.870	403.309	480.333	554.718	590.974
63.5	356.575	395.559	471.528	545.622	582.370
64.0	348.479	387.937	462.541	536.454	573.419
64.5	340.493	380.460	453.609	527.376	564.323
65.0	332.343	372.820	444.550	518.480	554.991
65.5	324.212	364.961	435.417	509.385	545.968
66.0	316.116	357.448	426.303	500.307	536.963
66.5	308.221	349.571	417.499	491.029	527.413
67.0	300.053	341.585	408.312	481.624	517.789
67.5	292.158	333.562	399.307	472.474	508.275
68.0	284.263	325.303	390.375	462.996	498.743
68.5	276.259	317.062	381.243	453.445	489.156
69.0	268.291	308.803	372.238	443.876	479.896
69.5	260.395	300.381	363.178	434.162	469.927
70.0	252.464	291.922	353.846	424.557	459.794
70.5	244.914	283.553	344.968	415.097	449.570
71.0	237.110	275.058	336.036	405.328	439.201
71.5	229.269	266.453	326.813	395.414	427.831
72.0	221.738	258.303	317.845	384.990	416.589
72.5	213.952	249.953	308.913	374.603	405.055
73.0	206.348	241.385	299.580	363.669	393.504
73.5	198.726	233.199	290.303	352.682	381.661
74.0	191.449	224.976	280.952	341.457	369.564
74.5	183.790	216.535	271.583	330.124	357.030
75.0	176.550	208.513	262.360	318.973	344.241
75.5	169.219	200.163	252.955	307.348	331.034
76.0	161.979	191.886	243.241	295.141	317.754
76.5	154.720	183.554	233.617	282.917	304.838
77.0	147.480	175.368	223.685	270.837	292.122
77.5	140.349	167.181	213.625	258.413	278.915
78.0	133.381	158.904	203.747	246.606	265.635
78.5	126.396	150.900	193.668	234.527	252.082
79.0	119.210	142.786	183.445	222.320	237.965
79.5	112.625	134.873	173.330	209.914	223.939
80.0	105.621	126.978	163.088	197.179	209.313
80.5	98.835	119.064	152.992	183.790	194.123
81.0	92.123	111.278	143.041	170.456	178.751
81.5	85.701	103.529	133.290	156.667	163.288
82.0	79.079	95.743	123.139	142.604	147.607
82.5	73.021	88.048	113.116	128.415	132.035

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

**CANDELA TABULATION - (Cont.)**

83.0	66.563	80.298	102.783	114.353	116.390
83.5	60.578	72.912	92.359	99.781	100.909
84.0	54.593	65.308	81.753	86.010	85.719
84.5	48.699	57.959	71.038	72.221	70.693
85.0	42.732	50.609	60.233	58.668	56.212
85.5	36.984	43.551	49.772	45.752	42.296
86.0	31.126	36.547	39.549	33.309	28.743
86.5	25.705	29.525	29.234	21.466	16.263
87.0	20.302	22.703	20.175	11.242	6.313
87.5	15.063	16.209	12.079	4.439	2.838
88.0	10.260	10.460	6.203	3.165	2.037
88.5	6.149	6.040	3.675	1.965	1.364
89.0	2.492	2.620	1.692	1.146	1.019
89.5	0.346	0.418	0.491	0.437	0.437
90.0	0.218	0.127	0.182	0.200	0.146
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 : RKDIS22-LED28FRDMV40.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 : RKDIS22-LED28FRDMV40.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 : RKDIS22-LED28FRDMV40.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 : RKDIS22-LED28FRDMV40.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	413.26	N.A.	12.30
0-30	876.72	N.A.	26.10
0-40	1437.43	N.A.	42.80
0-60	2576.84	N.A.	76.70
0-80	3292.31	N.A.	98.00
0-90	3360.34	N.A.	100.00
10-90	3253.34	N.A.	96.80
20-40	1024.17	N.A.	30.50
20-50	1615.08	N.A.	48.10
40-70	1579.32	N.A.	47.00
60-80	715.47	N.A.	21.30
70-80	275.56	N.A.	8.20
80-90	68.03	N.A.	2.00
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	3360.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	107.00
10-20	306.25
20-30	463.47
30-40	560.71
40-50	590.91
50-60	548.50
60-70	439.91
70-80	275.56
80-90	68.03
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

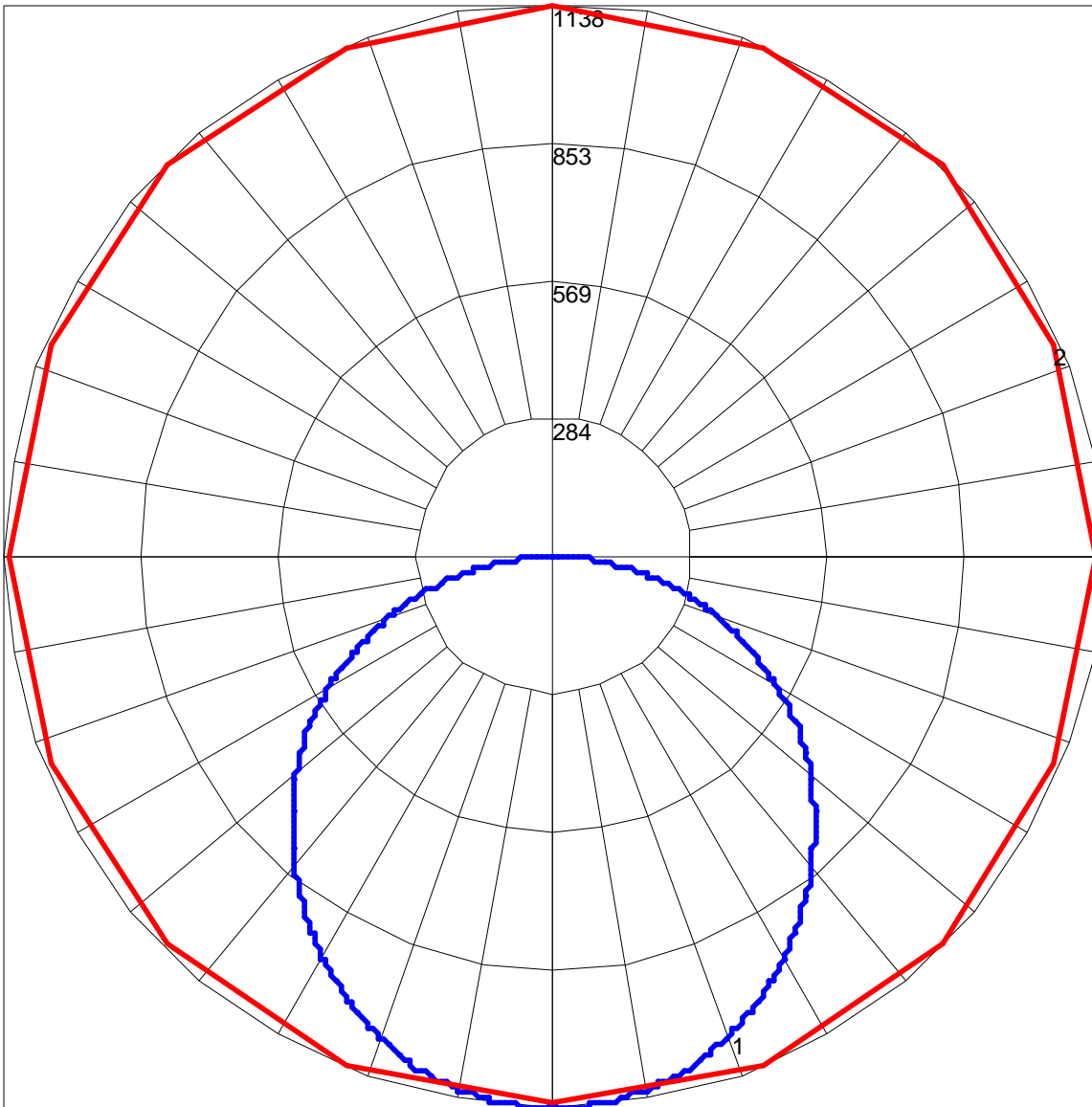
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV40.IES**

**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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	60	68	64	59	57
4	82	69	60	53	79	68	59	53	65	58	52	63	57	51	61	55	51	48
5	75	62	53	46	73	61	52	45	58	51	45	56	50	44	55	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 1137.561 Located At Horizontal Angle = 45, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)