



IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.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-LED21FRDMV35
 [LUMINAIRE] Catalog Number: RKDISE24-LED21FRDMV35
 [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 M10CC835D32N2W 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	3000
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	140
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-LED21FRDMV35.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1541	1647	1732
55	1428	1573	1719
65	1283	1527	1790
75	1051	1600	1813
85	630	893	724

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.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	1060.457	1060.457	1060.457	1060.457	1060.457
0.5	1052.168	1063.109	1062.672	1061.971	1055.581
1.0	1051.995	1063.017	1062.489	1061.809	1055.500
1.5	1051.660	1062.733	1062.225	1061.595	1055.368
2.0	1051.152	1062.316	1061.819	1061.311	1055.226
2.5	1050.583	1061.717	1061.341	1060.823	1054.829
3.0	1049.831	1061.097	1060.691	1060.305	1054.413
3.5	1049.039	1060.295	1059.980	1059.685	1054.027
4.0	1048.216	1059.411	1059.106	1058.944	1053.356
4.5	1047.241	1058.476	1058.233	1058.121	1052.726
5.0	1046.113	1057.369	1057.237	1057.237	1051.883
5.5	1044.772	1056.150	1056.140	1056.201	1051.091
6.0	1043.482	1054.921	1055.032	1055.124	1050.156
6.5	1041.877	1053.468	1053.549	1053.864	1049.079
7.0	1040.292	1051.985	1052.188	1052.544	1047.982
7.5	1038.605	1050.237	1050.766	1051.182	1046.794
8.0	1036.807	1048.470	1049.120	1049.729	1045.442
8.5	1034.765	1046.621	1047.342	1048.094	1044.091
9.0	1032.693	1044.609	1045.493	1046.438	1042.567
9.5	1030.549	1042.506	1043.583	1044.762	1041.054
10.0	1028.253	1040.271	1041.572	1042.913	1039.367
10.5	1025.795	1038.006	1039.428	1041.023	1037.620
11.0	1023.184	1035.446	1037.153	1038.961	1035.761
11.5	1020.634	1032.937	1034.816	1036.828	1033.861
12.0	1017.820	1030.234	1032.398	1034.552	1031.779
12.5	1014.894	1027.563	1029.879	1032.297	1029.767
13.0	1011.918	1024.545	1027.146	1029.889	1027.522
13.5	1008.972	1021.620	1024.454	1027.319	1025.287
14.0	1005.782	1018.623	1021.691	1024.840	1022.971
14.5	1002.521	1015.433	1018.643	1022.097	1020.411
15.0	999.168	1012.029	1015.666	1019.273	1017.932
15.5	995.633	1008.606	1012.466	1016.418	1015.311
16.0	992.006	1005.081	1009.358	1013.472	1012.527
16.5	988.247	1001.423	1005.914	1010.404	1009.744
17.0	984.448	997.817	1002.531	1007.326	1006.818
17.5	980.476	993.865	998.995	1003.984	1003.872
18.0	976.483	989.995	995.419	1000.743	1000.814
18.5	972.460	985.941	991.793	997.411	997.634
19.0	968.214	981.817	987.871	993.865	994.495
19.5	964.008	977.641	984.021	990.299	991.061
20.0	959.538	973.263	980.049	986.591	987.607
20.5	955.037	968.864	975.985	982.812	984.255
21.0	950.446	964.323	971.769	978.911	980.465
21.5	945.711	959.680	967.614	975.081	976.879
22.0	940.845	954.936	963.215	970.875	973.090
22.5	936.010	950.253	958.817	966.852	969.301
23.0	931.184	945.386	954.357	962.718	965.359
23.5	926.074	940.297	949.765	958.410	961.295
24.0	920.974	935.349	945.082	954.032	957.222
24.5	915.600	930.036	940.215	949.552	953.077
25.0	910.429	924.865	935.461	945.011	948.790
25.5	904.822	919.440	930.422	940.368	944.370
26.0	899.417	914.046	925.444	935.664	939.941
26.5	893.809	908.489	920.294	930.798	935.420

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.IES

CANDELA TABULATION - (Cont.)

27.0	888.242	902.871	915.163	925.983	930.829
27.5	882.533	897.355	910.023	921.117	926.267
28.0	876.630	891.513	904.628	916.017	921.482
28.5	870.769	885.692	899.244	910.988	916.708
29.0	864.663	879.637	893.687	905.746	911.638
29.5	858.649	873.745	888.140	900.504	906.681
30.0	852.492	867.579	882.421	894.998	901.672
30.5	846.326	861.504	876.793	889.725	896.491
31.0	839.946	855.134	870.911	884.107	891.269
31.5	833.576	848.917	865.100	878.703	885.865
32.0	827.288	842.648	859.319	873.064	880.755
32.5	820.664	836.055	853.143	867.335	875.127
33.0	814.122	829.645	847.078	861.585	869.610
33.5	807.376	822.970	840.962	855.662	864.033
34.0	800.590	816.326	834.674	849.719	858.283
34.5	793.906	809.540	828.345	843.695	852.584
35.0	787.038	802.663	822.005	837.691	846.722
35.5	780.171	795.968	815.697	831.504	840.850
36.0	773.130	789.050	809.144	825.327	834.938
36.5	766.364	782.182	802.754	819.151	828.954
37.0	759.111	775.081	796.029	812.781	822.798
37.5	752.030	768.031	789.476	806.543	816.753
38.0	744.695	760.838	782.649	799.899	810.424
38.5	737.543	753.706	775.873	793.489	804.258
39.0	730.229	746.402	768.955	786.845	797.847
39.5	722.823	739.179	762.159	780.282	791.579
40.0	715.356	731.743	755.098	773.476	785.016
40.5	708.032	724.398	748.170	766.862	778.596
41.0	700.575	717.124	741.140	760.107	772.054
41.5	693.047	709.637	734.008	753.361	765.542
42.0	685.509	702.210	726.846	746.565	758.989
42.5	677.829	694.540	719.674	739.565	752.233
43.0	670.291	687.053	712.430	732.718	745.528
43.5	662.519	679.454	705.055	725.769	738.722
44.0	654.890	671.835	697.761	718.729	732.017
44.5	647.047	664.165	690.324	711.658	725.058
45.0	639.306	656.617	683.020	704.710	718.323
45.5	631.717	648.967	675.634	697.720	711.547
46.0	623.742	641.124	668.025	690.589	704.588
46.5	615.889	633.495	660.559	683.487	697.649
47.0	608.118	625.571	652.909	676.254	690.639
47.5	600.316	617.881	645.391	669.123	683.762
48.0	592.422	609.997	637.680	661.849	676.742
48.5	584.468	602.185	630.224	654.727	669.702
49.0	576.554	594.251	622.442	647.494	662.651
49.5	568.670	586.428	614.721	640.322	655.692
50.0	560.746	578.626	607.163	633.210	648.683
50.5	552.772	570.590	599.330	625.926	641.683
51.0	544.766	562.727	591.670	618.714	634.582
51.5	536.720	554.702	583.736	611.460	627.481
52.0	528.695	546.818	576.117	604.298	620.563
52.5	520.639	538.783	568.203	597.004	613.319
53.0	512.715	530.940	560.574	589.943	606.350
53.5	504.547	522.813	552.670	582.588	599.259
54.0	496.643	514.939	544.980	575.467	592.290
54.5	488.689	507.005	537.228	568.386	585.270

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.IES

CANDELA TABULATION - (Cont.)

55.0	480.500	498.929	529.345	561.143	578.301
55.5	472.404	490.913	521.685	554.062	571.393
56.0	464.317	482.837	513.781	546.869	564.393
56.5	456.342	474.862	506.152	539.758	557.699
57.0	448.246	466.725	498.350	532.565	550.892
57.5	440.129	458.750	490.690	525.576	544.218
58.0	432.032	450.572	482.928	518.556	537.523
58.5	423.915	442.648	475.309	511.699	530.899
59.0	415.767	434.572	467.731	504.872	524.357
59.5	407.762	426.434	460.030	498.147	517.794
60.0	399.513	418.459	452.512	491.442	511.262
60.5	391.304	410.251	444.812	484.767	504.455
61.0	383.319	402.286	437.345	478.133	498.004
61.5	375.019	394.068	429.756	471.418	491.198
62.0	366.953	386.144	422.310	464.744	484.594
62.5	358.745	377.894	414.589	457.978	477.666
63.0	350.577	370.021	407.325	451.375	471.032
63.5	342.501	362.016	400.021	444.761	464.307
64.0	334.404	354.061	392.777	438.015	457.511
64.5	326.277	346.076	385.565	431.280	450.653
65.0	317.956	338.081	378.423	424.474	443.735
65.5	309.870	330.157	371.413	417.718	436.918
66.0	301.631	322.111	364.413	410.901	429.777
66.5	293.697	314.248	357.607	404.064	422.909
67.0	285.407	306.233	350.689	397.054	415.788
67.5	277.219	298.471	343.974	390.309	408.808
68.0	269.366	290.791	337.269	383.472	401.758
68.5	261.127	282.918	330.340	376.442	394.545
69.0	253.172	275.339	323.656	369.564	387.515
69.5	245.259	267.578	316.829	362.361	380.069
70.0	237.274	259.989	310.134	355.433	372.815
70.5	229.218	252.319	303.368	348.291	365.419
71.0	221.304	244.913	296.683	341.200	358.074
71.5	213.298	237.304	289.877	333.967	350.313
72.0	205.618	229.990	283.121	326.805	342.297
72.5	197.836	222.675	276.569	319.602	333.388
73.0	190.004	215.391	269.752	311.841	323.524
73.5	182.435	208.107	263.210	303.846	312.653
74.0	174.725	200.935	256.403	294.753	300.686
74.5	167.136	193.915	249.779	284.858	288.384
75.0	159.496	186.814	242.942	273.887	275.207
75.5	152.151	180.017	236.329	262.478	261.686
76.0	144.624	173.191	229.329	250.155	247.483
76.5	137.380	166.851	222.543	237.548	233.454
77.0	130.279	160.634	215.340	224.555	219.363
77.5	123.076	154.234	207.691	210.891	204.938
78.0	116.097	148.139	199.106	197.389	191.091
78.5	109.077	141.921	189.638	183.685	177.244
79.0	102.240	135.877	179.824	170.275	164.241
79.5	95.464	129.720	169.066	156.824	151.146
80.0	88.932	123.686	157.891	144.014	138.904
80.5	82.400	117.662	146.086	131.529	127.008
81.0	76.213	111.769	134.200	119.643	115.599
81.5	69.955	105.897	122.172	108.305	104.729
82.0	64.083	99.965	110.022	97.140	94.022
82.5	58.221	93.991	98.248	86.687	83.781

IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.IES

CANDELA TABULATION - (Cont.)

83.0	52.674	87.632	86.626	76.467	73.754
83.5	47.199	80.855	75.552	66.755	64.388
84.0	41.987	73.114	65.068	57.409	54.838
84.5	37.009	65.079	55.143	48.428	45.969
85.0	32.194	56.352	45.675	39.640	37.019
85.5	27.795	47.463	37.111	31.432	28.740
86.0	23.742	38.584	29.207	23.457	20.714
86.5	19.617	29.898	21.507	15.706	12.709
87.0	15.990	22.228	14.680	8.655	5.811
87.5	12.617	15.239	8.320	3.271	2.123
88.0	9.661	9.600	3.617	1.859	1.260
88.5	6.837	5.130	1.981	1.229	0.965
89.0	4.114	2.418	1.189	0.742	0.538
89.5	1.361	0.935	0.427	0.335	0.356
90.0	0.183	0.142	0.132	0.132	0.213
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-LED21FRDMV35.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-LED21FRDMV35.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-LED21FRDMV35.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-LED21FRDMV35.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	386.23	N.A.	12.90
0-30	816.34	N.A.	27.20
0-40	1329.04	N.A.	44.30
0-60	2328.19	N.A.	77.60
0-80	2944.47	N.A.	98.10
0-90	3000.02	N.A.	100.00
10-90	2899.79	N.A.	96.70
20-40	942.81	N.A.	31.40
20-50	1467.99	N.A.	48.90
40-70	1376.03	N.A.	45.90
60-80	616.27	N.A.	20.50
70-80	239.40	N.A.	8.00
80-90	55.55	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	3000.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	100.23
10-20	286.00
20-30	430.11
30-40	512.70
40-50	525.18
50-60	473.97
60-70	376.87
70-80	239.40
80-90	55.55
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

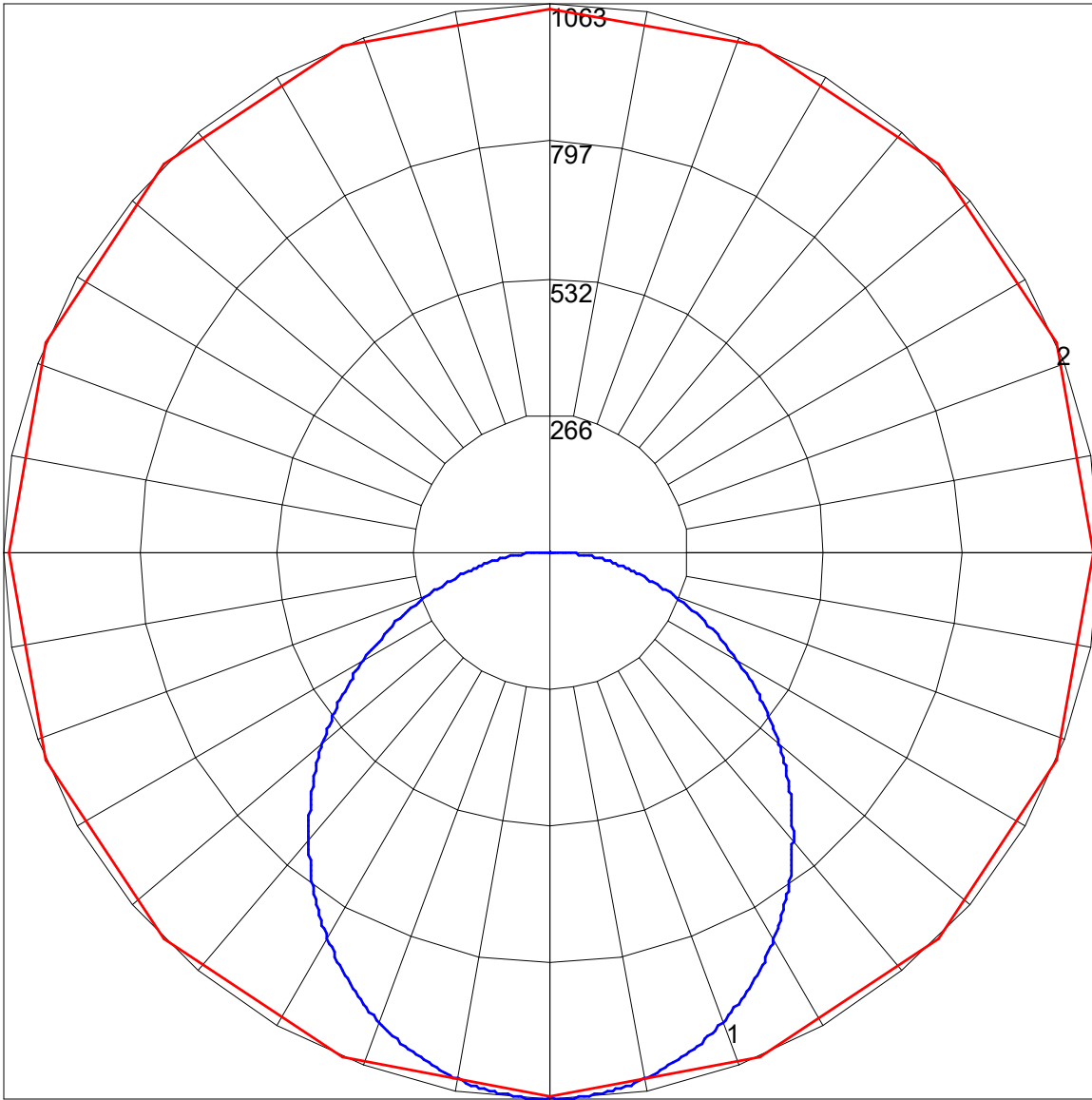
IES INDOOR REPORT
PHOTOMETRIC FILENAME : RKDISE24-LED21FRDMV35.IES

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	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 = 1063.109 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.)