



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RKDIS14-LED24FRDMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000617-010
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] RKDIS14-LED24FRDMV40
 [LUMINAIRE] Catalog Number: RKDIS14-LED24FRDMV40
 [MORE] 1x4 Retrofit kit installed in Mobern recessed RG14 housing with side bracket mounting rails,
 [MORE] formed white steel housing with frosted plastic enclosure. 128 LEDs, four Universal
 [MORE] Lighting Technologies Everline M10CC840D32N2S boards with 32 LEDs each. One Osram
 [MORE] Optotronic OTi 20/120-277/700 DIM-1 L AUX LED driver output set to 440mA.
 [MORE] 120.0Vac, 60.0Hz, 0.1954A, 23.45W, 0.996PF, 5.58%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 LLIA000617-010
 [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	3205
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
Total Luminaire Watts	23.45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.17 m
Luminous Width (90-270)	0.19 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	4373	4763	5286
55	4009	4707	5087
65	3627	4295	4417
75	3152	3564	3469
85	2421	2218	1745

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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>
0.0	1175.330	1175.330	1175.330	1175.330	1175.330
0.5	1171.032	1174.660	1177.978	1177.531	1171.032
1.0	1170.860	1174.281	1177.772	1177.411	1171.015
1.5	1170.447	1173.989	1177.308	1177.050	1170.533
2.0	1169.914	1173.594	1176.981	1176.723	1170.258
2.5	1169.364	1173.043	1176.568	1176.138	1169.794
3.0	1168.642	1172.270	1175.605	1175.468	1169.330
3.5	1167.610	1171.496	1174.763	1174.660	1168.676
4.0	1166.802	1170.413	1173.800	1173.766	1167.834
4.5	1165.667	1169.244	1172.700	1172.768	1166.854
5.0	1164.292	1168.160	1171.479	1171.737	1165.822
5.5	1162.761	1166.768	1170.155	1170.396	1164.687
6.0	1161.266	1165.478	1168.814	1168.900	1163.432
6.5	1159.391	1163.862	1167.215	1167.421	1162.177
7.0	1157.655	1161.919	1165.461	1165.891	1160.406
7.5	1155.781	1159.959	1163.535	1164.051	1158.927
8.0	1153.511	1158.102	1161.747	1162.194	1157.087
8.5	1151.207	1155.918	1159.667	1160.079	1155.385
9.0	1148.920	1153.528	1157.414	1158.153	1153.356
9.5	1146.393	1151.224	1155.076	1155.798	1151.052
10.0	1143.745	1148.594	1152.651	1153.442	1148.920
10.5	1140.942	1146.032	1149.900	1150.966	1146.668
11.0	1138.019	1143.143	1147.373	1148.439	1143.865
11.5	1134.959	1140.203	1144.450	1145.550	1141.407
12.0	1132.105	1137.108	1141.561	1142.782	1138.570
12.5	1128.769	1133.944	1138.587	1139.722	1135.715
13.0	1125.072	1130.643	1135.251	1136.609	1132.706
13.5	1121.547	1127.136	1131.967	1133.239	1129.887
14.0	1117.920	1123.748	1128.545	1129.973	1126.413
14.5	1114.154	1120.034	1124.883	1126.379	1123.009
15.0	1110.148	1116.149	1121.152	1122.785	1119.776
15.5	1106.176	1112.366	1117.472	1119.123	1116.028
16.0	1101.929	1108.085	1113.398	1115.203	1112.246
16.5	1097.717	1103.941	1109.305	1111.265	1108.721
17.0	1093.160	1099.745	1105.230	1107.294	1104.749
17.5	1088.638	1095.052	1100.880	1103.167	1100.743
18.0	1083.927	1090.633	1096.547	1098.869	1096.582
18.5	1079.147	1085.921	1091.957	1094.398	1092.335
19.0	1074.212	1081.073	1087.245	1089.825	1087.813
19.5	1069.312	1076.224	1082.517	1085.234	1083.205
20.0	1064.068	1071.272	1077.720	1080.505	1078.734
20.5	1058.944	1066.062	1072.648	1075.571	1074.109
21.0	1053.442	1060.818	1067.679	1070.722	1069.312
21.5	1047.888	1055.402	1062.589	1065.564	1064.601
22.0	1042.335	1049.866	1057.156	1060.354	1059.683
22.5	1036.712	1044.278	1051.860	1055.265	1054.680
23.0	1030.798	1038.586	1046.392	1049.986	1049.659
23.5	1024.848	1032.672	1040.856	1044.587	1044.604
24.0	1018.779	1026.791	1035.096	1039.154	1039.463
24.5	1012.606	1020.705	1029.250	1033.686	1034.305
25.0	1006.244	1014.566	1023.198	1027.875	1029.216
25.5	1000.037	1008.273	1017.352	1022.424	1024.384
26.0	993.538	1001.963	1011.196	1016.698	1019.312
26.5	987.039	995.361	1004.903	1011.093	1014.119

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CANDELA TABULATION - (Cont.)

27.0	980.075	988.896	998.628	1005.402	1009.236
27.5	973.473	982.173	992.300	999.797	1004.353
28.0	966.492	975.261	985.749	994.088	999.487
28.5	959.752	968.590	979.319	988.500	994.484
29.0	952.599	961.557	972.768	982.981	989.790
29.5	945.257	954.336	966.011	977.376	984.907
30.0	938.225	947.235	959.236	972.011	980.127
30.5	930.849	940.151	952.462	966.406	975.381
31.0	923.111	932.689	945.550	960.887	970.429
31.5	915.684	925.330	938.620	955.453	965.787
32.0	908.118	918.005	931.657	950.072	961.024
32.5	900.278	910.268	924.676	944.552	956.348
33.0	892.472	902.565	917.781	939.102	951.636
33.5	884.700	894.724	910.732	933.703	947.028
34.0	876.567	886.712	903.493	928.218	942.197
34.5	868.538	878.957	896.616	922.750	937.847
35.0	860.525	870.962	889.583	917.403	933.222
35.5	852.255	862.761	882.568	911.884	928.665
36.0	844.139	854.731	875.673	906.829	924.229
36.5	835.869	846.529	868.538	901.567	919.776
37.0	827.307	838.225	861.591	896.168	914.996
37.5	819.122	829.937	854.765	891.062	910.663
38.0	810.714	821.615	847.716	885.766	905.883
38.5	802.135	813.190	840.804	880.470	901.344
39.0	793.675	804.696	833.737	875.295	896.547
39.5	785.078	796.185	826.756	869.965	891.801
40.0	776.172	787.485	819.518	864.549	886.677
40.5	767.832	778.905	812.657	859.270	881.640
41.0	759.132	770.343	805.659	853.820	876.413
41.5	750.243	761.591	798.610	848.283	871.426
42.0	741.663	752.685	791.595	842.712	866.062
42.5	732.929	744.036	784.751	837.021	860.818
43.0	723.953	735.129	777.599	831.227	855.419
43.5	715.270	726.292	770.721	825.364	849.865
44.0	706.501	717.385	763.878	819.380	844.311
44.5	697.406	708.565	756.897	813.345	838.293
45.0	688.551	699.607	750.002	807.258	832.276
45.5	679.748	690.614	743.073	801.137	826.137
46.0	670.772	681.587	736.161	794.793	819.363
46.5	661.952	672.767	729.146	788.568	812.399
47.0	653.320	663.774	722.200	782.069	804.937
47.5	644.173	654.696	715.219	775.226	797.097
48.0	635.353	645.738	708.083	768.090	788.792
48.5	626.567	636.797	701.085	760.542	780.040
49.0	617.505	627.684	693.778	752.891	771.117
49.5	608.650	618.778	686.556	744.793	761.918
50.0	599.967	610.009	679.129	736.402	752.530
50.5	591.078	600.896	671.666	728.011	742.574
51.0	582.275	592.110	664.204	719.569	732.740
51.5	573.523	583.238	656.759	709.786	722.991
52.0	564.582	574.176	648.850	699.538	712.898
52.5	555.710	565.373	641.302	689.428	702.753
53.0	547.096	556.776	633.702	679.524	692.695
53.5	538.275	547.870	625.569	669.431	682.120
54.0	529.799	539.255	617.780	659.631	671.477
54.5	520.875	530.469	609.579	649.675	660.697

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55.0	512.089	521.769	601.171	639.359	649.693
55.5	503.526	513.310	592.780	629.043	639.032
56.0	494.740	504.799	583.994	618.554	628.080
56.5	486.006	496.098	574.813	607.808	616.594
57.0	477.340	487.742	565.442	597.182	605.315
57.5	468.829	479.214	556.071	586.522	593.692
58.0	460.094	470.600	546.253	575.724	581.862
58.5	451.549	462.312	536.470	564.857	569.998
59.0	442.814	453.956	526.515	553.681	557.687
59.5	434.234	445.617	516.353	542.385	545.497
60.0	425.723	437.329	506.277	531.105	533.306
60.5	417.247	429.111	496.150	519.517	521.064
61.0	408.529	420.840	485.971	507.756	508.581
61.5	400.156	412.656	475.947	496.150	496.597
62.0	391.679	404.764	465.700	484.458	484.699
62.5	383.323	396.580	455.469	472.543	472.938
63.0	374.967	388.670	445.153	460.988	461.332
63.5	366.284	380.606	435.077	449.296	449.829
64.0	357.962	372.474	424.503	437.759	438.292
64.5	349.606	364.496	414.444	426.583	427.047
65.0	341.301	356.552	404.179	415.527	415.665
65.5	332.824	348.436	393.777	404.351	404.334
66.0	324.692	340.338	383.375	393.536	393.124
66.5	316.370	332.222	372.869	382.756	382.051
67.0	308.013	323.901	362.209	371.648	370.496
67.5	299.812	315.957	351.858	361.126	359.527
68.0	291.593	307.721	341.404	350.431	348.574
68.5	283.357	299.588	330.967	339.719	337.535
69.0	275.362	291.507	320.599	328.990	326.514
69.5	267.401	283.134	310.489	318.433	315.682
70.0	259.217	274.605	300.207	307.790	304.334
70.5	251.325	266.146	290.493	297.336	293.811
71.0	243.398	257.566	280.744	286.968	283.048
71.5	235.541	249.021	270.995	276.583	272.250
72.0	227.511	240.510	261.366	266.283	261.624
72.5	219.963	231.895	251.858	256.053	251.187
73.0	212.036	223.161	242.349	245.719	240.321
73.5	204.299	214.805	233.030	235.695	230.331
74.0	196.785	206.431	223.746	225.534	220.066
74.5	189.186	198.023	214.426	215.596	209.732
75.0	181.672	189.633	205.400	205.657	199.932
75.5	174.261	181.586	196.493	195.926	189.977
76.0	166.644	173.298	187.363	186.211	180.090
76.5	159.354	165.252	178.525	176.737	170.582
77.0	152.218	157.291	169.825	167.452	161.331
77.5	145.066	149.261	161.039	157.875	152.012
78.0	137.930	141.300	152.390	148.780	142.831
78.5	130.846	133.443	143.931	139.787	133.993
79.0	123.866	125.723	135.282	130.709	124.863
79.5	117.022	118.363	126.943	122.077	116.438
80.0	110.420	111.090	118.673	113.532	108.150
80.5	103.336	103.749	110.317	105.004	99.811
81.0	96.888	96.665	102.390	96.923	91.850
81.5	90.372	89.701	94.498	88.841	84.044
82.0	83.838	82.789	86.572	80.863	76.341
82.5	77.373	76.204	78.955	73.195	68.931

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CANDELA TABULATION - (Cont.)

83.0	71.166	69.515	71.527	65.767	61.692
83.5	64.942	63.050	64.013	58.391	54.677
84.0	58.958	56.689	56.878	51.307	47.731
84.5	52.820	50.464	49.880	44.326	40.973
85.0	46.991	44.257	43.054	37.328	33.872
85.5	41.248	38.360	36.365	30.554	27.734
86.0	35.454	32.548	29.849	24.106	21.578
86.5	29.780	26.977	23.160	17.968	15.767
87.0	24.037	21.458	17.074	12.638	11.382
87.5	18.741	16.180	11.382	8.941	8.477
88.0	13.858	11.073	6.981	6.155	6.018
88.5	9.405	6.362	4.195	3.989	3.817
89.0	5.347	2.631	2.166	1.840	1.668
89.5	1.444	0.688	0.430	0.327	0.413
90.0	0.172	0.086	0.069	0.241	0.086
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 : RKDIS14-LED24FRDMV40.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
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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 : RKDIS14-LED24FRDMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	426.41	N.A.	13.30
0-30	896.72	N.A.	28.00
0-40	1456.22	N.A.	45.40
0-60	2560.55	N.A.	79.90
0-80	3155.52	N.A.	98.40
0-90	3205.2	N.A.	100.00
10-90	3094.2	N.A.	96.50
20-40	1029.81	N.A.	32.10
20-50	1611.41	N.A.	50.30
40-70	1489.17	N.A.	46.50
60-80	594.97	N.A.	18.60
70-80	210.13	N.A.	6.60
80-90	49.68	N.A.	1.50
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	3205.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.00
10-20	315.41
20-30	470.31
30-40	559.50
40-50	581.60
50-60	522.73
60-70	384.84
70-80	210.13
80-90	49.68
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

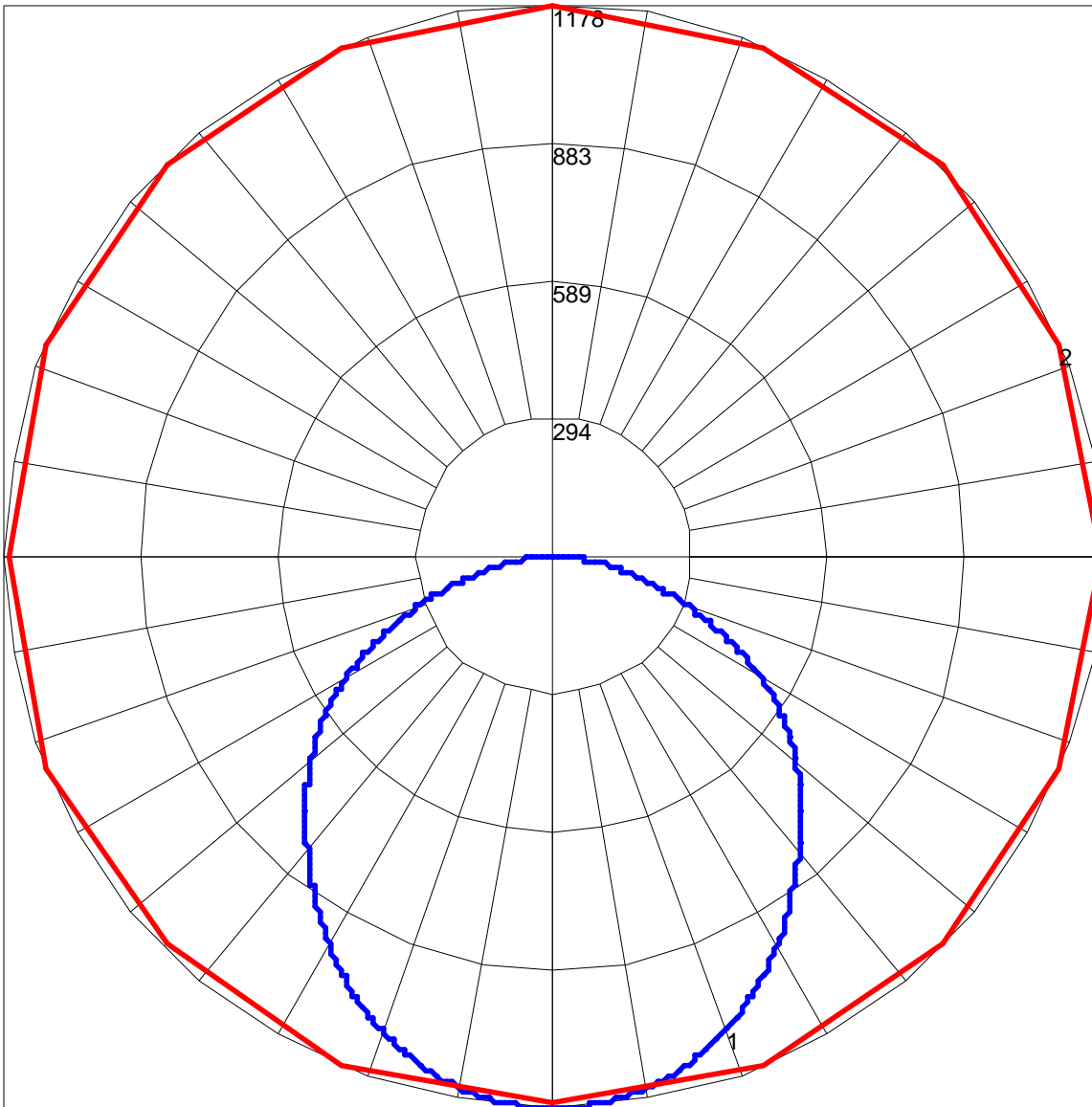
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	29	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	26	37	31	26	25

POLAR GRAPH



Maximum Candela = 1177.978 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.)