



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV35.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-LED28FRDMV35  
 [LUMINAIRE] Catalog Number: RKDIS22-LED28FRDMV35  
 [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 M10CC835D32N2S 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	3260
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3299	3791	4328
55	3044	3783	4452
65	2760	3691	4609
75	2394	3557	4668
85	1721	2425	2263

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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	1097.139	1097.139	1097.139	1097.139	1097.139
0.5	1092.162	1093.097	1103.705	1098.180	1094.915
1.0	1092.091	1092.956	1103.599	1098.021	1094.721
1.5	1091.703	1092.691	1103.316	1097.827	1094.721
2.0	1091.085	1092.356	1103.105	1097.704	1094.844
2.5	1090.697	1091.826	1102.575	1097.351	1094.474
3.0	1090.061	1091.155	1102.010	1096.874	1094.121
3.5	1089.143	1090.697	1101.410	1096.503	1093.979
4.0	1088.173	1089.708	1100.510	1095.992	1093.432
4.5	1086.831	1088.861	1099.786	1095.356	1093.044
5.0	1085.631	1087.643	1098.780	1094.527	1092.267
5.5	1084.148	1086.408	1097.704	1093.891	1091.879
6.0	1082.648	1085.154	1096.451	1092.956	1091.173
6.5	1080.936	1083.566	1095.215	1092.126	1090.326
7.0	1079.100	1082.013	1093.785	1091.085	1089.567
7.5	1077.141	1080.336	1092.285	1090.079	1088.684
8.0	1074.917	1078.571	1090.626	1088.667	1087.714
8.5	1072.870	1076.576	1089.037	1087.590	1086.478
9.0	1070.558	1074.547	1086.972	1086.266	1085.613
9.5	1068.281	1072.482	1085.137	1084.801	1084.554
10.0	1065.863	1070.116	1083.142	1083.407	1083.072
10.5	1063.480	1067.910	1080.989	1081.836	1081.889
11.0	1060.621	1065.669	1078.977	1080.159	1080.389
11.5	1057.532	1063.250	1076.682	1078.447	1078.994
12.0	1053.966	1060.568	1074.547	1076.665	1077.459
12.5	1050.719	1057.602	1072.199	1074.617	1075.853
13.0	1047.206	1054.355	1069.993	1072.746	1074.123
13.5	1043.659	1051.107	1068.104	1070.558	1072.499
14.0	1040.146	1047.665	1066.322	1068.475	1070.769
14.5	1036.281	1044.206	1064.274	1066.339	1068.916
15.0	1032.451	1040.270	1061.415	1064.115	1067.010
15.5	1028.409	1036.157	1057.620	1061.662	1065.121
16.0	1024.490	1031.868	1053.225	1059.297	1063.092
16.5	1020.343	1027.420	1049.148	1056.667	1060.903
17.0	1015.877	1023.096	1045.265	1054.284	1058.538
17.5	1011.518	1018.931	1041.594	1051.637	1056.402
18.0	1007.052	1014.642	1037.852	1048.971	1054.125
18.5	1002.481	1010.317	1034.110	1046.165	1051.778
19.0	997.680	1005.764	1030.244	1043.217	1049.430
19.5	992.932	1001.333	1026.450	1040.358	1046.747
20.0	987.902	996.744	1022.478	1037.534	1044.223
20.5	983.012	992.067	1018.525	1034.375	1041.699
21.0	977.859	987.248	1014.306	1031.303	1038.999
21.5	972.722	982.201	1010.229	1028.250	1036.263
22.0	967.163	977.276	1005.781	1024.879	1033.474
22.5	961.973	972.210	1001.598	1021.702	1030.668
23.0	956.431	966.933	997.239	1018.083	1027.597
23.5	950.660	961.762	992.491	1014.818	1024.420
24.0	945.100	956.378	988.078	1011.376	1021.543
24.5	939.187	950.889	983.436	1007.864	1018.242
25.0	933.203	945.417	978.723	1004.352	1015.189
25.5	927.220	939.716	973.923	1000.769	1012.082
26.0	921.184	934.121	968.998	996.974	1008.694
26.5	915.130	928.350	964.021	993.091	1005.199

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**CANDELA TABULATION - (Cont.)**

27.0	908.864	922.437	959.079	989.084	1001.863
27.5	902.686	916.524	953.942	985.183	998.298
28.0	896.191	910.452	948.665	980.983	994.873
28.5	890.013	904.292	943.494	976.853	991.220
29.0	883.200	898.327	938.234	972.599	987.725
29.5	876.423	891.884	932.850	968.416	983.877
30.0	870.016	885.636	927.361	964.056	980.188
30.5	863.079	879.353	921.943	959.661	976.447
31.0	856.178	872.840	916.259	955.125	972.528
31.5	849.435	866.362	910.576	950.783	968.680
32.0	842.446	859.708	905.087	946.106	964.797
32.5	835.333	853.036	899.244	941.428	960.773
33.0	828.432	846.258	893.437	936.945	956.802
33.5	821.195	839.534	887.595	932.356	952.636
34.0	814.029	832.668	881.541	927.502	948.577
34.5	806.828	825.802	875.681	922.966	944.694
35.0	799.379	818.918	869.698	918.148	940.599
35.5	792.037	811.735	863.556	913.276	936.486
36.0	784.730	804.639	857.484	908.458	932.321
36.5	777.281	797.632	851.218	903.639	928.155
37.0	769.550	790.484	845.146	898.785	923.884
37.5	762.173	783.353	838.898	894.002	919.648
38.0	754.636	776.099	832.526	889.060	915.747
38.5	746.905	768.739	826.190	884.065	911.176
39.0	739.174	761.502	819.854	879.141	906.799
39.5	731.549	754.159	813.517	874.128	902.386
40.0	723.713	746.587	806.951	869.186	898.044
40.5	716.106	739.174	800.544	864.156	893.367
41.0	708.463	731.744	794.155	859.143	888.778
41.5	700.467	724.101	787.395	853.936	884.012
42.0	692.666	716.706	780.864	848.818	878.929
42.5	684.829	709.169	774.228	843.487	873.810
43.0	676.869	701.403	767.556	838.280	868.745
43.5	668.856	693.954	761.025	832.827	863.150
44.0	660.878	686.277	754.477	827.267	857.572
44.5	652.882	678.581	747.646	821.389	851.977
45.0	644.869	670.868	741.081	815.600	846.064
45.5	637.209	663.225	734.462	809.616	840.399
46.0	628.860	655.442	727.702	803.386	833.974
46.5	621.024	647.640	721.189	797.102	827.814
47.0	612.905	640.051	714.535	790.713	821.424
47.5	604.785	632.196	707.775	784.041	814.965
48.0	596.666	624.483	701.138	777.299	808.346
48.5	588.583	616.452	694.307	770.327	801.621
49.0	580.463	608.669	687.547	763.514	794.755
49.5	572.397	600.991	680.999	756.454	787.854
50.0	564.208	593.119	674.204	749.306	781.023
50.5	555.947	585.317	667.197	741.963	773.681
51.0	547.775	577.445	660.260	734.727	766.797
51.5	539.762	569.556	653.271	727.313	759.702
52.0	531.661	561.648	645.911	719.812	752.253
52.5	523.630	553.688	638.533	712.170	744.946
53.0	515.581	546.010	631.120	704.615	737.268
53.5	507.338	538.121	623.565	696.867	729.767
54.0	499.096	530.231	615.817	688.995	721.807
54.5	491.100	522.359	607.980	681.264	714.058

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**CANDELA TABULATION - (Cont.)**

55.0	482.699	514.522	599.896	673.321	706.010
55.5	474.897	506.738	591.989	665.290	698.385
56.0	466.672	498.937	584.011	657.242	690.301
56.5	458.606	491.030	575.663	648.876	682.058
57.0	450.399	483.211	567.473	640.615	673.939
57.5	442.403	475.356	559.124	632.373	665.661
58.0	434.143	467.608	550.793	623.918	657.507
58.5	426.236	459.912	542.515	615.482	649.264
59.0	418.099	452.199	534.096	606.886	640.933
59.5	409.980	444.345	525.606	598.149	632.690
60.0	402.037	436.755	517.223	589.889	624.536
60.5	393.830	429.183	509.015	581.293	616.240
61.0	385.834	421.329	500.243	572.574	607.804
61.5	377.945	413.828	491.771	564.049	599.190
62.0	369.878	406.238	483.246	555.594	590.595
62.5	361.971	398.560	474.650	546.804	582.070
63.0	354.011	391.306	466.037	538.209	573.386
63.5	345.962	383.787	457.494	529.384	565.037
64.0	338.108	376.391	448.775	520.488	556.353
64.5	330.360	369.137	440.109	511.680	547.528
65.0	322.452	361.724	431.319	503.049	538.474
65.5	314.563	354.099	422.458	494.224	529.719
66.0	306.708	346.810	413.616	485.417	520.982
66.5	299.048	339.167	405.073	476.415	511.716
67.0	291.123	331.419	396.160	467.290	502.379
67.5	283.463	323.635	387.423	458.412	493.148
68.0	275.803	315.622	378.756	449.216	483.899
68.5	268.037	307.626	369.896	439.950	474.597
69.0	260.306	299.613	361.159	430.666	465.613
69.5	252.646	291.441	352.369	421.241	455.941
70.0	244.950	283.233	343.315	411.921	446.110
70.5	237.625	275.114	334.701	402.743	436.190
71.0	230.053	266.872	326.035	393.265	426.130
71.5	222.446	258.523	317.087	383.646	415.098
72.0	215.139	250.616	308.385	373.532	404.190
72.5	207.584	242.514	299.719	363.454	393.000
73.0	200.207	234.201	290.664	352.846	381.792
73.5	192.811	226.258	281.663	342.185	370.302
74.0	185.751	218.281	272.590	331.295	358.565
74.5	178.320	210.091	263.500	320.299	346.404
75.0	171.296	202.307	254.552	309.479	333.995
75.5	164.183	194.206	245.427	298.201	321.181
76.0	157.158	186.175	236.001	286.357	308.297
76.5	150.115	178.091	226.664	274.497	295.765
77.0	143.090	170.148	217.027	262.777	283.428
77.5	136.172	162.206	207.267	250.722	270.613
78.0	129.412	154.175	197.683	239.267	257.729
78.5	122.634	146.409	187.904	227.547	244.579
79.0	115.662	138.537	177.985	215.704	230.883
79.5	109.273	130.859	168.171	203.666	217.274
80.0	102.477	123.199	158.234	191.311	203.084
80.5	95.894	115.521	148.439	178.320	188.346
81.0	89.381	107.967	138.784	165.383	173.431
81.5	83.150	100.448	129.323	152.004	158.429
82.0	76.726	92.893	119.474	138.360	143.214
82.5	70.848	85.427	109.749	124.593	128.105

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**CANDELA TABULATION - (Cont.)**

83.0	64.582	77.908	99.724	110.949	112.926
83.5	58.775	70.742	89.610	96.812	97.906
84.0	52.968	63.364	79.320	83.450	83.168
84.5	47.250	56.234	68.924	70.071	68.589
85.0	41.460	49.103	58.440	56.922	54.539
85.5	35.883	42.255	48.291	44.390	41.037
86.0	30.200	35.459	38.372	32.318	27.887
86.5	24.940	28.646	28.364	20.827	15.779
87.0	19.698	22.027	19.574	10.908	6.125
87.5	14.614	15.726	11.720	4.307	2.753
88.0	9.955	10.149	6.019	3.071	1.977
88.5	5.966	5.860	3.565	1.906	1.324
89.0	2.418	2.542	1.641	1.112	0.988
89.5	0.335	0.406	0.477	0.424	0.424
90.0	0.212	0.124	0.177	0.194	0.141
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 : RKDIS22-LED28FRDMV35.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-LED28FRDMV35.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-LED28FRDMV35.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	400.96	N.A.	12.30
0-30	850.63	N.A.	26.10
0-40	1394.65	N.A.	42.80
0-60	2500.14	N.A.	76.70
0-80	3194.33	N.A.	98.00
0-90	3260.33	N.A.	100.00
10-90	3156.51	N.A.	96.80
20-40	993.69	N.A.	30.50
20-50	1567.02	N.A.	48.10
40-70	1532.32	N.A.	47.00
60-80	694.18	N.A.	21.30
70-80	267.36	N.A.	8.20
80-90	66.00	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	3260.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.82
10-20	297.14
20-30	449.67
30-40	544.02
40-50	573.32
50-60	532.17
60-70	426.82
70-80	267.36
80-90	66.00
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

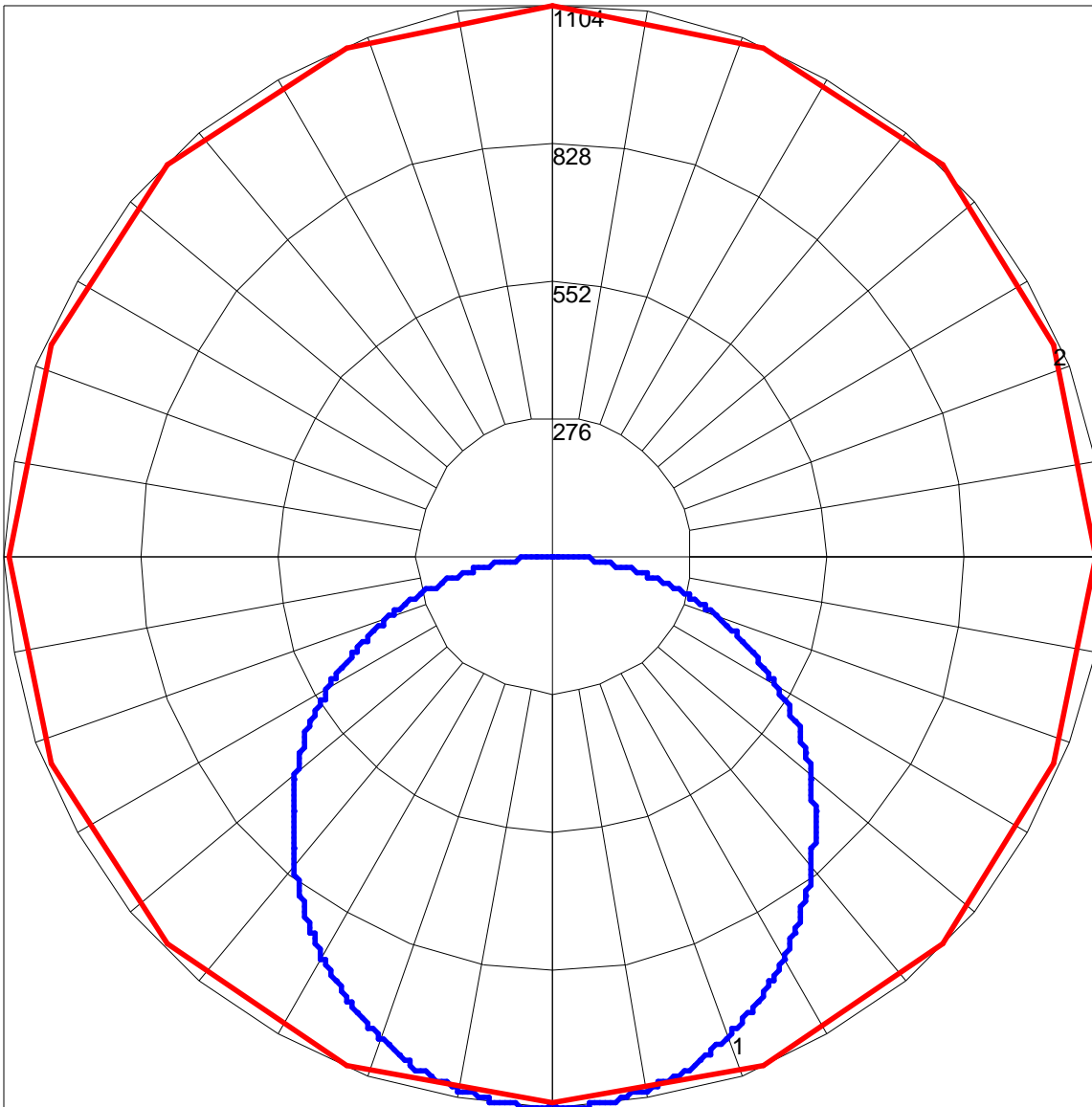
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RKDIS22-LED28FRDMV35.IES**

**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 = 1103.705 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.)