



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RKDIS22-LED20FRDMV40.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-LED20FRDMV40
 [LUMINAIRE] Catalog Number: RKDIS22-LED20FRDMV40
 [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. One Osram
 [MORE] Optotronic OTi 20/120-277/700 DIM-1 L AUX LED driver output set to 704mA.
 [MORE] 120.0Vac, 60.0Hz, 0.1732A, 20.78W, 0.996PF, 5.02%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	2690
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	20
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	2722	3128	3571
55	2512	3122	3674
65	2277	3046	3803
75	1975	2935	3851
85	1420	2001	1868

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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	905.308	905.308	905.308	905.308	905.308
0.5	901.201	901.973	910.726	906.167	903.473
1.0	901.143	901.856	910.639	906.036	903.313
1.5	900.822	901.638	910.406	905.876	903.313
2.0	900.313	901.361	910.231	905.774	903.415
2.5	899.992	900.924	909.794	905.483	903.109
3.0	899.468	900.371	909.328	905.090	902.818
3.5	898.711	899.992	908.833	904.784	902.701
4.0	897.910	899.177	908.090	904.362	902.250
4.5	896.803	898.478	907.493	903.837	901.929
5.0	895.812	897.473	906.663	903.153	901.288
5.5	894.589	896.453	905.774	902.628	900.968
6.0	893.351	895.419	904.740	901.856	900.386
6.5	891.938	894.108	903.721	901.172	899.686
7.0	890.424	892.827	902.541	900.313	899.060
7.5	888.807	891.443	901.303	899.483	898.332
8.0	886.972	889.987	899.934	898.317	897.531
8.5	885.282	888.341	898.623	897.429	896.511
9.0	883.375	886.666	896.919	896.337	895.798
9.5	881.496	884.962	895.405	895.128	894.924
10.0	879.501	883.010	893.759	893.977	893.701
10.5	877.534	881.190	891.982	892.681	892.725
11.0	875.175	879.340	890.322	891.297	891.487
11.5	872.626	877.345	888.428	889.885	890.336
12.0	869.684	875.131	886.666	888.414	889.069
12.5	867.004	872.684	884.729	886.724	887.744
13.0	864.106	870.005	882.909	885.181	886.317
13.5	861.179	867.325	881.350	883.375	884.977
14.0	858.281	864.485	879.879	881.656	883.549
14.5	855.091	861.630	878.190	879.894	882.020
15.0	851.931	858.382	875.830	878.059	880.447
15.5	848.595	854.989	872.699	876.034	878.889
16.0	845.362	851.450	869.073	874.083	877.214
16.5	841.940	847.780	865.708	871.913	875.408
17.0	838.255	844.212	862.504	869.946	873.456
17.5	834.657	840.774	859.475	867.762	871.694
18.0	830.973	837.235	856.387	865.563	869.815
18.5	827.201	833.667	853.300	863.247	867.878
19.0	823.239	829.910	850.110	860.815	865.941
19.5	819.321	826.254	846.979	858.455	863.728
20.0	815.171	822.467	843.702	856.125	861.645
20.5	811.136	818.608	840.439	853.518	859.562
21.0	806.884	814.632	836.959	850.984	857.334
21.5	802.645	810.466	833.594	848.464	855.076
22.0	798.058	806.403	829.924	845.683	852.775
22.5	793.776	802.223	826.472	843.061	850.460
23.0	789.203	797.868	822.875	840.075	847.925
23.5	784.440	793.601	818.957	837.381	845.304
24.0	779.853	789.159	815.316	834.541	842.930
24.5	774.974	784.630	811.486	831.643	840.206
25.0	770.036	780.115	807.597	828.744	837.687
25.5	765.099	775.410	803.636	825.788	835.124
26.0	760.118	770.794	799.572	822.657	832.327
26.5	755.123	766.031	795.465	819.452	829.443

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CANDELA TABULATION - (Cont.)

27.0	749.952	761.152	791.387	816.146	826.691
27.5	744.855	756.273	787.149	812.928	823.749
28.0	739.495	751.263	782.794	809.461	820.923
28.5	734.398	746.180	778.527	806.053	817.909
29.0	728.776	741.257	774.187	802.543	815.025
29.5	723.183	735.942	769.745	799.092	811.850
30.0	717.897	730.786	765.216	795.494	808.806
30.5	712.173	725.601	760.744	791.868	805.718
31.0	706.478	720.227	756.055	788.125	802.485
31.5	700.915	714.882	751.365	784.542	799.310
32.0	695.147	709.391	746.836	780.683	796.106
32.5	689.278	703.886	742.015	776.823	792.785
33.0	683.583	698.293	737.223	773.124	789.509
33.5	677.612	692.744	732.402	769.337	786.071
34.0	671.699	687.079	727.407	765.332	782.722
34.5	665.757	681.413	722.572	761.589	779.518
35.0	659.611	675.733	717.634	757.613	776.139
35.5	653.552	669.806	712.566	753.593	772.745
36.0	647.523	663.951	707.556	749.617	769.308
36.5	641.376	658.169	702.386	745.641	765.871
37.0	634.997	652.270	697.376	741.636	762.346
37.5	628.910	646.387	692.220	737.689	758.851
38.0	622.691	640.401	686.962	733.611	755.632
38.5	616.312	634.327	681.734	729.490	751.860
39.0	609.932	628.356	676.505	725.426	748.248
39.5	603.641	622.297	671.277	721.290	744.607
40.0	597.174	616.049	665.859	717.212	741.024
40.5	590.897	609.932	660.572	713.061	737.165
41.0	584.591	603.801	655.300	708.925	733.378
41.5	577.993	597.495	649.722	704.629	729.446
42.0	571.556	591.392	644.333	700.405	725.251
42.5	565.089	585.173	638.857	696.007	721.028
43.0	558.521	578.765	633.352	691.710	716.848
43.5	551.909	572.619	627.963	687.210	712.231
44.0	545.326	566.284	622.560	682.622	707.629
44.5	538.728	559.934	616.923	677.772	703.012
45.0	532.116	553.569	611.505	672.995	698.133
45.5	525.795	547.263	606.044	668.058	693.458
46.0	518.906	540.840	600.466	662.917	688.157
46.5	512.440	534.403	595.092	657.732	683.074
47.0	505.740	528.140	589.601	652.460	677.801
47.5	499.041	521.659	584.023	646.955	672.471
48.0	492.341	515.295	578.547	641.391	667.009
48.5	485.671	508.668	572.910	635.638	661.460
49.0	478.972	502.245	567.332	630.016	655.795
49.5	472.316	495.910	561.929	624.191	650.100
50.0	465.558	489.414	556.322	618.292	644.464
50.5	458.742	482.977	550.540	612.234	638.405
51.0	451.999	476.481	544.816	606.262	632.725
51.5	445.387	469.971	539.049	600.145	626.871
52.0	438.702	463.446	532.975	593.956	620.725
52.5	432.075	456.878	526.888	587.649	614.695
53.0	425.434	450.542	520.771	581.416	608.360
53.5	418.632	444.032	514.537	575.022	602.170
54.0	411.831	437.522	508.144	568.527	595.601
54.5	405.233	431.026	501.677	562.147	589.208

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CANDELA TABULATION - (Cont.)

55.0	398.301	424.560	495.007	555.594	582.566
55.5	391.863	418.137	488.482	548.967	576.275
56.0	385.076	411.700	481.899	542.326	569.604
56.5	378.421	405.175	475.010	535.422	562.803
57.0	371.648	398.723	468.252	528.606	556.103
57.5	365.051	392.242	461.363	521.805	549.273
58.0	358.235	385.848	454.489	514.828	542.544
58.5	351.710	379.498	447.659	507.867	535.743
59.0	344.996	373.134	440.711	500.774	528.868
59.5	338.296	366.653	433.706	493.565	522.067
60.0	331.742	360.390	426.788	486.749	515.338
60.5	324.970	354.142	420.016	479.656	508.493
61.0	318.373	347.661	412.777	472.461	501.531
61.5	311.862	341.471	405.787	465.427	494.424
62.0	305.207	335.209	398.752	458.451	487.331
62.5	298.682	328.873	391.659	451.198	480.297
63.0	292.113	322.887	384.552	444.105	473.131
63.5	285.472	316.683	377.503	436.823	466.242
64.0	278.991	310.581	370.308	429.483	459.077
64.5	272.597	304.595	363.157	422.215	451.795
65.0	266.073	298.478	355.904	415.093	444.323
65.5	259.562	292.186	348.593	407.811	437.100
66.0	253.081	286.171	341.297	400.544	429.890
66.5	246.761	279.865	334.247	393.116	422.244
67.0	240.221	273.471	326.893	385.586	414.540
67.5	233.900	267.048	319.683	378.260	406.923
68.0	227.580	260.436	312.532	370.672	399.291
68.5	221.171	253.839	305.221	363.026	391.616
69.0	214.792	247.227	298.012	355.366	384.203
69.5	208.471	240.483	290.759	347.588	376.221
70.0	202.121	233.711	283.287	339.898	368.109
70.5	196.077	227.012	276.180	332.325	359.924
71.0	189.829	220.210	269.029	324.504	351.623
71.5	183.552	213.321	261.645	316.567	342.520
72.0	177.523	206.797	254.465	308.221	333.519
72.5	171.289	200.112	247.314	299.905	324.286
73.0	165.201	193.252	239.843	291.152	315.037
73.5	159.099	186.698	232.415	282.355	305.556
74.0	153.273	180.115	224.929	273.369	295.871
74.5	147.142	173.357	217.428	264.296	285.836
75.0	141.345	166.934	210.044	255.368	275.598
75.5	135.476	160.249	202.515	246.061	265.024
76.0	129.679	153.623	194.737	236.289	254.392
76.5	123.868	146.952	187.033	226.502	244.052
77.0	118.072	140.399	179.081	216.831	233.871
77.5	112.362	133.845	171.027	206.884	223.298
78.0	106.784	127.218	163.119	197.432	212.666
78.5	101.192	120.810	155.050	187.761	201.816
79.0	95.439	114.314	146.865	177.989	190.514
79.5	90.167	107.979	138.767	168.056	179.285
80.0	84.560	101.658	130.568	157.861	167.575
80.5	79.127	95.322	122.485	147.142	155.414
81.0	73.753	89.089	114.518	136.466	143.107
81.5	68.612	82.885	106.712	125.427	130.728
82.0	63.310	76.651	98.585	114.168	118.174
82.5	58.461	70.491	90.560	102.808	105.707

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CANDELA TABULATION - (Cont.)

83.0	53.290	64.286	82.288	91.550	93.181
83.5	48.499	58.373	73.942	79.884	80.787
84.0	43.707	52.285	65.451	68.859	68.626
84.5	38.988	46.401	56.873	57.820	56.596
85.0	34.211	40.517	48.222	46.969	45.003
85.5	29.609	34.867	39.848	36.629	33.862
86.0	24.919	29.259	31.662	26.667	23.011
86.5	20.579	23.638	23.405	17.186	13.020
87.0	16.254	18.176	16.152	9.001	5.054
87.5	12.059	12.977	9.671	3.554	2.272
88.0	8.214	8.374	4.966	2.534	1.631
88.5	4.923	4.835	2.942	1.573	1.092
89.0	1.995	2.097	1.354	0.918	0.816
89.5	0.277	0.335	0.393	0.350	0.350
90.0	0.175	0.102	0.146	0.160	0.117
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

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PHOTOMETRIC FILENAME : RKDIS22-LED20FRDMV40.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 : RKDIS22-LED20FRDMV40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	330.85	N.A.	12.30
0-30	701.90	N.A.	26.10
0-40	1150.8	N.A.	42.80
0-60	2063.00	N.A.	76.70
0-80	2635.81	N.A.	98.00
0-90	2690.27	N.A.	100.00
10-90	2604.61	N.A.	96.80
20-40	819.95	N.A.	30.50
20-50	1293.03	N.A.	48.10
40-70	1264.4	N.A.	47.00
60-80	572.80	N.A.	21.30
70-80	220.61	N.A.	8.20
80-90	54.46	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	2690.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.66
10-20	245.19
20-30	371.05
30-40	448.90
40-50	473.08
50-60	439.12
60-70	352.19
70-80	220.61
80-90	54.46
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

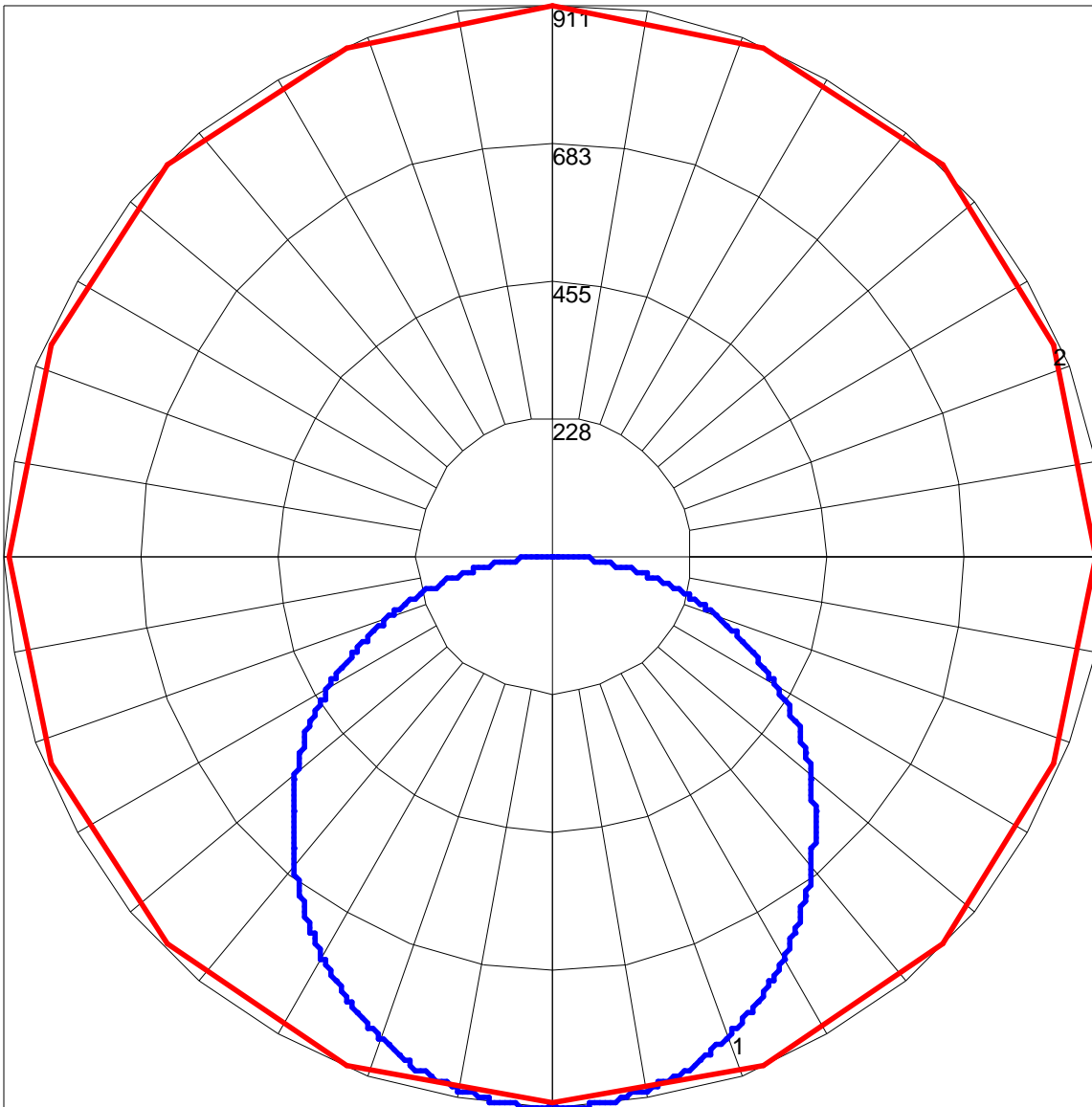
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 910.726 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.)