



IES INDOOR REPORT

PHOTOMETRIC FILENAME : RG22-LED20DMV40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] LLIA000535-006
 [TESTLAB] LightLab International Allentown, LLC
 [MANUFAC] Mobern Lighting Co., 8200 Stayton Drive, Jessup, MD 20794, USA
 [LUMCAT] RG22-LED20DMV40
 [LUMINAIRE] Catalog Number: RG22-LED20DMV40
 [MORE] Recess mounted, white formed steel 2x2 troffer housing, white enamel internal reflector
 [MORE] with acrylic prismatic lens enclosure
 [MORE] 96 White LEDs
 [MORE] One Universal Lighting Technologies, Everline D10CC55UNVTZ-C LED power supply, output set at 500mA
 [MORE] 120.0Vac, 60.0Hz, 0.1739A, 20.61W, 0.992PF, 8.55%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 3.808a.
 [DATE] This file created: Friday, January 22, 2016 3:28:04 PM
 [ISSUE DATE] Friday, January 22, 2016 3:28:04 PM

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2313
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	20.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.55 m
Luminous Width (90-270)	0.55 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	2526	2523	2660
55	1928	1894	1944
65	1464	1217	1395
75	1593	1083	1335
85	1790	1549	1729

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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	1052.600	1052.600	1052.600	1052.600	1052.600
0.5	1060.830	1048.784	1050.863	1051.481	1058.677
1.0	1061.256	1048.955	1050.543	1050.841	1058.026
1.5	1060.830	1048.539	1050.063	1050.564	1057.866
2.0	1060.350	1047.686	1049.488	1050.522	1057.728
2.5	1060.137	1046.887	1049.147	1050.809	1057.866
3.0	1059.860	1045.970	1048.965	1051.311	1057.770
3.5	1059.210	1045.224	1048.891	1051.087	1057.525
4.0	1057.749	1044.637	1048.997	1049.967	1056.065
4.5	1056.470	1043.358	1048.518	1048.208	1054.103
5.0	1054.764	1041.812	1046.897	1046.514	1053.059
5.5	1053.069	1040.842	1044.627	1045.991	1052.760
6.0	1052.025	1039.958	1042.303	1046.183	1053.304
6.5	1050.458	1038.881	1040.299	1046.044	1052.632
7.0	1048.198	1037.815	1039.147	1044.573	1049.552
7.5	1046.343	1036.173	1038.348	1041.546	1046.268
8.0	1044.637	1034.681	1038.007	1038.284	1044.424
8.5	1042.825	1032.901	1037.005	1036.312	1044.541
9.0	1040.800	1030.214	1034.724	1036.045	1044.851
9.5	1038.177	1027.102	1031.312	1036.514	1043.230
10.0	1034.777	1023.488	1027.507	1035.384	1038.742
10.5	1031.536	1019.608	1024.042	1031.675	1034.617
11.0	1028.296	1015.600	1021.548	1026.824	1032.911
11.5	1024.842	1011.826	1019.480	1023.221	1032.656
12.0	1021.324	1008.244	1018.798	1021.484	1032.080
12.5	1018.296	1005.003	1017.572	1020.834	1029.148
13.0	1014.917	1002.072	1014.981	1019.895	1024.565
13.5	1011.378	999.066	1010.515	1017.156	1020.237
14.0	1007.828	996.507	1005.206	1012.039	1017.849
14.5	1003.554	993.853	999.599	1007.413	1016.431
15.0	999.844	991.423	995.346	1004.385	1014.683
15.5	995.729	987.873	992.414	1002.712	1011.506
16.0	990.740	983.694	990.037	1000.697	1007.359
16.5	986.348	978.908	987.361	997.318	1003.362
17.0	981.413	973.791	983.470	992.691	999.418
17.5	976.893	968.099	978.460	988.321	995.879
18.0	972.363	961.873	973.247	984.035	992.627
18.5	966.958	955.967	968.088	980.080	989.237
19.0	961.671	950.574	963.419	976.754	984.536
19.5	957.087	946.150	958.760	973.098	979.718
20.0	951.320	941.246	954.027	969.047	975.273
20.5	945.169	936.183	949.145	963.920	970.710
21.0	939.018	931.684	944.124	958.728	966.969
21.5	933.422	926.525	938.656	953.910	961.980
22.0	926.919	920.566	933.304	949.625	956.394
22.5	919.766	914.809	927.537	944.295	952.642
23.0	913.445	908.648	922.058	938.378	948.271
23.5	907.401	902.007	916.312	932.899	942.227
24.0	900.706	895.653	909.916	928.049	935.340
24.5	894.150	889.524	903.584	922.996	930.351
25.0	887.850	883.405	897.220	916.621	926.290
25.5	881.038	877.286	890.654	909.394	920.214
26.0	873.736	871.188	884.311	903.147	912.592
26.5	867.031	864.835	878.054	897.881	906.676

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CANDELA TABULATION - (Cont.)

27.0	859.686	858.119	871.753	891.848	901.985
27.5	852.064	850.817	865.176	884.386	894.811
28.0	844.730	843.430	857.480	877.435	886.987
28.5	837.524	835.733	849.868	871.263	880.495
29.0	830.222	827.877	842.215	864.164	873.917
29.5	822.835	820.106	835.286	855.966	867.426
30.0	815.021	812.868	827.824	848.760	860.987
30.5	807.282	805.459	819.946	841.852	854.090
31.0	799.042	797.411	811.738	834.411	846.628
31.5	791.398	789.458	804.137	826.438	839.464
32.0	783.798	781.517	796.622	818.997	832.130
32.5	775.984	773.447	788.627	810.725	823.911
33.0	768.757	765.633	779.907	802.336	816.268
33.5	760.452	757.702	771.326	793.861	808.188
34.0	752.607	749.174	763.053	785.589	799.457
34.5	744.665	740.923	754.856	777.423	790.812
35.0	736.478	732.299	745.315	768.703	782.327
35.5	727.886	723.409	736.062	759.301	773.234
36.0	718.953	714.572	727.502	750.475	764.493
36.5	710.212	705.649	718.132	741.211	754.973
37.0	700.959	696.439	708.336	731.255	745.464
37.5	692.100	687.410	698.848	721.405	735.231
38.0	683.018	677.933	689.510	711.246	725.285
38.5	673.861	668.147	679.500	701.023	714.913
39.0	664.672	658.767	669.267	690.789	704.232
39.5	655.206	649.162	659.044	679.991	693.742
40.0	645.687	639.152	648.821	669.501	682.528
40.5	636.157	629.164	638.076	658.575	671.697
41.0	625.838	619.165	627.810	647.680	660.856
41.5	615.860	609.166	617.246	636.487	650.367
42.0	605.968	599.167	607.087	625.817	639.376
42.5	595.670	588.571	596.598	614.592	628.460
43.0	585.351	577.761	586.161	603.473	617.470
43.5	575.555	567.720	575.416	592.152	606.607
44.0	565.588	557.497	565.278	580.949	595.574
44.5	554.874	546.549	554.405	569.447	584.520
45.0	544.470	536.155	543.873	558.158	573.359
45.5	534.311	525.538	533.768	546.805	561.899
46.0	523.896	515.166	523.225	535.377	550.227
46.5	513.663	504.911	512.842	524.120	538.042
47.0	503.088	494.624	502.363	512.863	525.218
47.5	492.247	484.358	492.194	500.849	511.893
48.0	481.875	474.295	481.832	488.942	498.643
48.5	471.097	464.222	471.566	476.555	484.795
49.0	460.608	454.287	460.896	464.254	471.545
49.5	449.799	444.266	450.556	451.899	458.924
50.0	439.203	434.683	440.322	439.864	446.547
50.5	428.639	424.652	429.779	427.466	435.056
51.0	418.149	415.036	419.055	415.484	423.479
51.5	407.777	405.496	408.502	403.769	412.275
52.0	397.266	395.848	397.256	391.936	401.093
52.5	386.969	386.297	386.244	380.839	390.646
53.0	376.852	376.884	374.997	370.030	379.922
53.5	366.629	367.418	363.868	359.285	369.582
54.0	356.790	358.229	352.942	348.763	359.572
54.5	346.887	348.891	342.047	338.583	349.808

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CANDELA TABULATION - (Cont.)

55.0	337.101	339.414	331.110	328.307	339.958
55.5	327.635	330.236	320.674	318.574	330.332
56.0	318.030	321.079	310.099	308.937	321.069
56.5	308.554	311.709	299.642	299.429	311.549
57.0	299.365	302.627	289.504	290.059	302.477
57.5	290.474	293.640	279.399	280.902	293.310
58.0	281.648	284.494	269.431	271.894	283.769
58.5	273.226	275.636	259.699	263.110	274.559
59.0	264.901	267.001	250.307	254.507	265.551
59.5	256.703	258.302	240.809	246.118	256.501
60.0	249.071	250.084	231.962	237.921	247.717
60.5	241.598	241.993	223.242	230.053	239.445
61.0	234.360	234.030	214.724	222.314	231.311
61.5	227.676	226.450	206.569	214.746	223.807
62.0	221.142	219.170	198.681	207.540	216.451
62.5	214.842	211.974	190.985	200.333	209.416
63.0	208.968	205.184	183.661	193.500	202.753
63.5	203.542	198.585	176.562	186.944	196.560
64.0	198.244	192.296	169.675	180.420	190.643
64.5	193.372	186.315	163.183	174.334	184.994
65.0	188.607	180.612	156.841	168.492	179.706
65.5	183.992	174.984	150.807	162.736	174.526
66.0	179.685	169.920	145.083	157.299	169.643
66.5	175.549	164.963	139.614	152.182	164.963
67.0	171.573	160.103	134.369	147.257	160.369
67.5	167.820	155.593	129.391	142.641	156.062
68.0	164.217	151.361	124.807	138.175	151.830
68.5	160.742	147.247	120.309	133.986	147.716
69.0	157.363	143.313	116.098	129.967	143.739
69.5	154.229	139.561	112.228	126.193	139.838
70.0	151.340	135.968	108.476	122.473	136.150
70.5	148.409	132.450	105.150	119.051	132.653
71.0	145.669	129.125	102.006	115.768	129.103
71.5	143.004	125.777	99.138	112.612	125.692
72.0	140.499	122.707	96.580	109.617	122.430
72.5	138.122	119.637	94.202	106.835	119.328
73.0	135.617	116.620	92.049	104.042	116.269
73.5	133.282	113.721	90.162	101.377	113.401
74.0	130.873	110.928	88.489	98.722	110.629
74.5	128.357	108.210	86.922	96.121	107.901
75.0	125.692	105.523	85.451	93.648	105.342
75.5	123.123	102.848	84.107	91.111	102.848
76.0	120.074	100.119	82.764	88.649	100.268
76.5	117.153	97.603	81.538	86.175	97.955
77.0	114.190	95.087	80.227	83.745	95.695
77.5	110.885	92.518	78.948	81.346	93.211
78.0	107.591	90.088	77.541	78.873	90.759
78.5	104.201	87.710	76.102	76.443	88.254
79.0	100.726	85.237	74.428	73.927	85.664
79.5	97.177	82.881	72.723	71.454	82.967
80.0	93.531	80.451	70.846	68.853	80.131
80.5	89.640	77.925	68.757	66.241	77.146
81.0	85.600	75.324	66.476	63.651	74.119
81.5	81.528	72.627	64.067	61.092	70.900
82.0	77.221	69.759	61.316	58.417	67.563
82.5	72.733	66.806	58.395	55.816	64.131

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CANDELA TABULATION - (Cont.)

83.0	68.107	63.608	55.315	53.065	60.677
83.5	63.022	60.186	51.925	50.337	57.084
84.0	58.001	56.605	48.482	47.544	53.609
84.5	52.799	52.831	44.847	44.708	49.867
85.0	47.565	48.748	41.158	41.702	45.934
85.5	42.459	44.516	37.427	38.728	42.000
86.0	37.257	40.007	33.568	35.455	37.854
86.5	32.161	35.199	29.624	31.980	33.430
87.0	27.172	30.168	25.659	28.249	28.963
87.5	22.098	24.859	21.576	24.049	24.209
88.0	17.056	19.359	17.152	19.689	19.401
88.5	12.024	14.210	12.920	15.436	15.105
89.0	7.483	9.423	9.146	11.246	11.022
89.5	3.401	5.010	5.682	7.249	7.025
90.0	0.906	1.674	2.857	3.987	3.678
90.5	0.256	0.266	0.789	1.620	1.258
91.0	0.085	0.075	0.053	0.139	0.085
91.5	0.128	0.064	0.011	0.085	0.064
92.0	0.032	0.096	0.021	0.021	0.032
92.5	0.032	0.053	0.053	0.064	0.043
93.0	0.064	0.107	0.021	0.064	0.085
93.5	0.000	0.075	0.064	0.064	0.021
94.0	0.075	0.021	0.043	0.043	0.000
94.5	0.053	0.064	0.053	0.032	0.011
95.0	0.171	0.064	0.053	0.053	0.000
95.5	0.043	0.053	0.043	0.053	0.032
96.0	0.053	0.075	0.064	0.053	0.000
96.5	0.064	0.043	0.075	0.053	0.043
97.0	0.107	0.053	0.011	0.075	0.043
97.5	0.075	0.128	0.043	0.096	0.032
98.0	0.171	0.075	0.053	0.096	0.011
98.5	0.053	0.139	0.053	0.128	0.000
99.0	0.064	0.107	0.021	0.149	0.117
99.5	0.107	0.053	0.011	0.096	0.021
100.0	0.128	0.128	0.064	0.075	0.128
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
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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

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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
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	381.18	N.A.	16.50
0-30	795.41	N.A.	34.40
0-40	1263.43	N.A.	54.60
0-60	1986.03	N.A.	85.80
0-80	2267.00	N.A.	98.00
0-90	2313.31	N.A.	100.00
10-90	2213.82	N.A.	95.70
20-40	882.25	N.A.	38.10
20-50	1304.75	N.A.	56.40
40-70	897.22	N.A.	38.80
60-80	280.97	N.A.	12.10
70-80	106.36	N.A.	4.60
80-90	46.31	N.A.	2.00
90-110	0.19	N.A.	0.00
90-120	0.19	N.A.	0.00
90-130	0.19	N.A.	0.00
90-150	0.19	N.A.	0.00
90-180	0.19	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2313.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.49
10-20	281.69
20-30	414.22
30-40	468.02
40-50	422.50
50-60	300.10
60-70	174.61
70-80	106.36
80-90	46.31
90-100	0.18
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

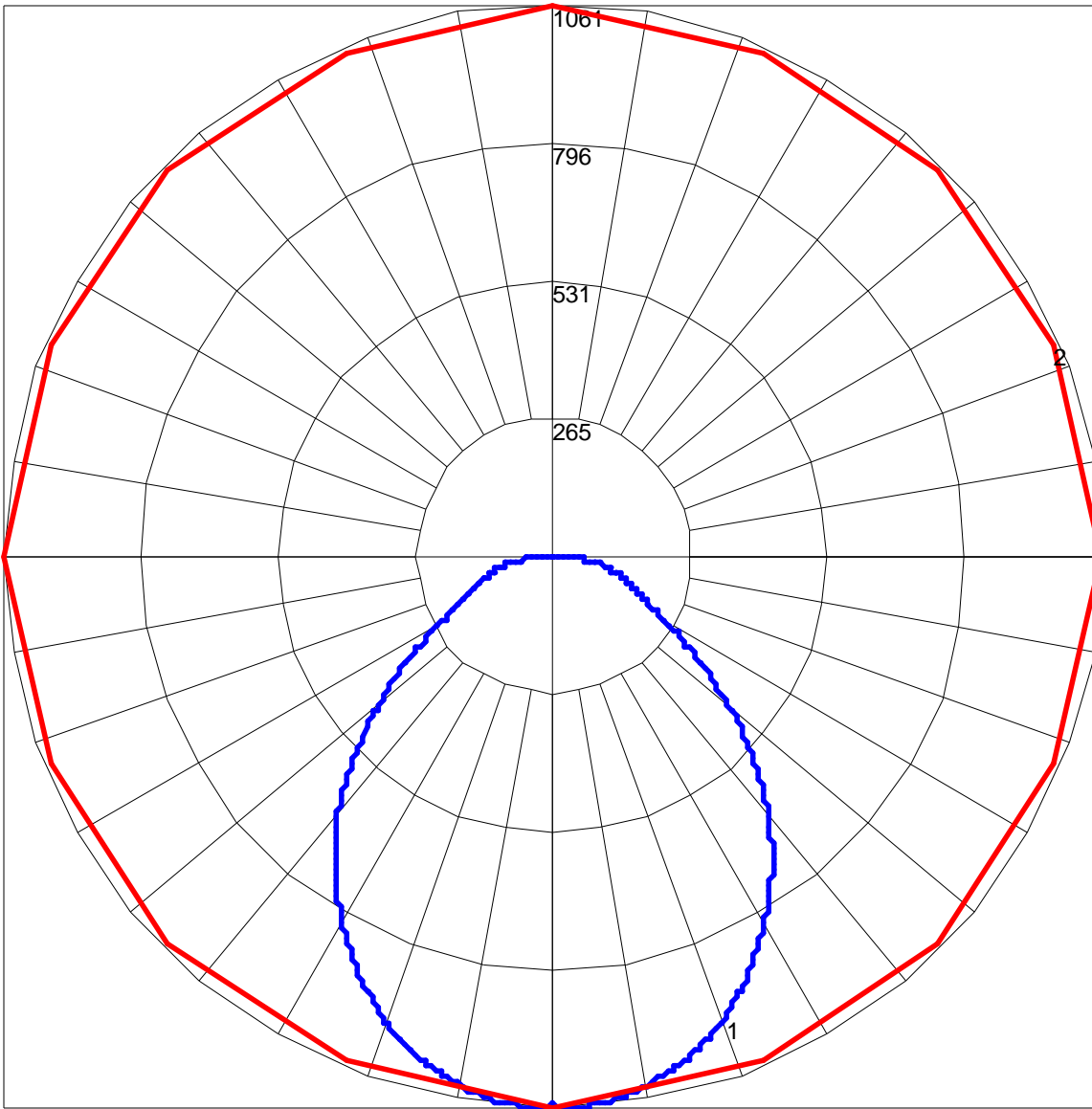
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	59	53	64	57	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	52	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 1061.256 Located At Horizontal Angle = 0, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)