



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12186363.03  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 09-09-2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MDSx-24-L32-GRN-L147-840-SYM-DIM-UNV WHITE ONLY  
 [LUMINAIRE] Recessed 2 x 4 LED Troffer w/patterned prismatic  
 [MORE] frosted acrylic lens, 0.125 thick  
 [LAMP] LED  
 [LAMPCAT] HLM GREEN LED, WHITE 80 CRI, 4000K CCT  
 [\_SEARCH\_SOURCETYPE] LED  
 [\_SEARCH\_APPLICATION] Indoor, Healthcare, Direct  
 [\_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14731
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	114
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.67 ft
Luminous Width (90-270)	3.67 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8590	8403	8322
55	7225	6992	6888
65	5979	5737	5782
75	5245	5167	5585
85	5461	5652	6610

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	6313.286	6313.286	6313.286	6313.286	6313.286
<b>0.5</b>	6372.175	6342.392	6294.333	6287.564	6285.534
<b>1.0</b>	6370.821	6341.715	6292.979	6286.211	6284.180
<b>1.5</b>	6369.467	6339.684	6290.949	6284.180	6282.826
<b>2.0</b>	6366.760	6336.977	6288.918	6281.472	6280.119
<b>2.5</b>	6363.375	6333.592	6285.534	6278.088	6276.734
<b>3.0</b>	6358.637	6328.854	6280.796	6274.027	6272.673
<b>3.5</b>	6353.899	6324.116	6276.057	6269.289	6267.935
<b>4.0</b>	6347.130	6318.024	6269.965	6263.873	6261.843
<b>4.5</b>	6341.038	6311.255	6263.873	6257.105	6256.428
<b>5.0</b>	6333.592	6303.810	6257.105	6251.013	6249.659
<b>5.5</b>	6325.470	6295.687	6249.659	6242.890	6242.213
<b>6.0</b>	6317.347	6287.564	6240.859	6234.768	6234.091
<b>6.5</b>	6307.871	6277.411	6231.383	6225.291	6225.291
<b>7.0</b>	6297.041	6267.258	6221.907	6215.815	6215.815
<b>7.5</b>	6285.534	6255.751	6210.400	6205.662	6204.308
<b>8.0</b>	6273.350	6243.567	6199.570	6193.478	6193.478
<b>8.5</b>	6259.812	6231.383	6186.709	6181.971	6179.940
<b>9.0</b>	6245.598	6217.845	6174.525	6168.433	6167.756
<b>9.5</b>	6231.383	6203.631	6160.987	6154.895	6153.542
<b>10.0</b>	6215.815	6188.063	6146.096	6140.681	6140.004
<b>10.5</b>	6199.570	6172.494	6130.528	6125.789	6124.436
<b>11.0</b>	6182.648	6155.572	6114.282	6109.544	6108.190
<b>11.5</b>	6164.372	6137.973	6097.360	6092.622	6091.268
<b>12.0</b>	6146.096	6119.697	6079.084	6075.023	6073.669
<b>12.5</b>	6126.466	6100.745	6060.809	6056.070	6055.394
<b>13.0</b>	6106.837	6080.438	6040.502	6037.118	6036.441
<b>13.5</b>	6085.176	6059.455	6020.196	6017.488	6018.165
<b>14.0</b>	6063.516	6037.795	5999.212	5997.182	5996.505
<b>14.5</b>	6041.179	6015.457	5976.875	5974.845	5975.521
<b>15.0</b>	6017.488	5992.443	5953.861	5953.184	5953.861
<b>15.5</b>	5993.797	5968.076	5929.493	5928.816	5930.170
<b>16.0</b>	5968.753	5943.708	5904.449	5905.126	5906.479
<b>16.5</b>	5943.708	5917.986	5880.081	5880.081	5882.112
<b>17.0</b>	5917.986	5891.588	5853.682	5854.359	5856.390
<b>17.5</b>	5892.265	5863.836	5826.607	5827.961	5829.992
<b>18.0</b>	5864.513	5836.084	5798.855	5800.886	5803.593
<b>18.5</b>	5836.084	5808.331	5771.103	5773.133	5775.164
<b>19.0</b>	5807.654	5778.548	5741.997	5744.027	5747.412
<b>19.5</b>	5778.548	5750.119	5712.891	5713.568	5716.952
<b>20.0</b>	5748.089	5719.660	5682.431	5683.108	5687.169
<b>20.5</b>	5716.275	5688.523	5650.618	5651.295	5656.033
<b>21.0</b>	5683.785	5656.710	5618.804	5619.481	5622.865
<b>21.5</b>	5651.295	5624.219	5585.637	5585.637	5589.698
<b>22.0</b>	5618.127	5591.729	5553.147	5552.470	5555.854
<b>22.5</b>	5584.283	5557.885	5518.625	5517.949	5522.010
<b>23.0</b>	5549.085	5522.687	5483.428	5482.751	5486.135
<b>23.5</b>	5513.210	5487.489	5448.230	5446.199	5450.937
<b>24.0</b>	5476.659	5451.614	5412.355	5409.647	5413.709
<b>24.5</b>	5439.430	5415.062	5375.803	5373.096	5377.834
<b>25.0</b>	5401.525	5378.511	5340.605	5337.221	5339.252
<b>25.5</b>	5364.973	5341.959	5302.700	5299.315	5302.023
<b>26.0</b>	5327.745	5304.054	5263.441	5260.056	5262.764
<b>26.5</b>	5289.839	5264.794	5224.181	5220.120	5223.505

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27.0	5249.903	5224.858	5184.245	5180.184	5183.569
27.5	5209.967	5183.569	5142.956	5138.894	5142.279
28.0	5168.677	5142.279	5101.666	5096.928	5100.312
28.5	5126.710	5100.312	5059.699	5054.284	5057.668
29.0	5084.067	5057.668	5016.378	5011.640	5013.671
29.5	5040.746	5015.025	4973.058	4967.643	4970.350
30.0	4997.426	4971.027	4929.061	4922.969	4926.353
30.5	4953.428	4927.030	4884.386	4878.294	4881.679
31.0	4908.754	4882.356	4839.035	4832.943	4836.328
31.5	4862.726	4837.005	4793.684	4786.915	4790.976
32.0	4817.375	4791.653	4747.656	4740.210	4743.595
32.5	4770.670	4744.948	4700.951	4692.152	4696.213
33.0	4723.965	4698.244	4653.569	4644.770	4647.477
33.5	4675.906	4650.862	4606.187	4596.034	4598.742
34.0	4628.525	4602.803	4557.452	4547.299	4550.683
34.5	4579.789	4554.068	4508.716	4497.209	4499.917
35.0	4531.053	4504.655	4459.304	4446.443	4449.828
35.5	4482.318	4454.566	4409.215	4396.354	4399.738
36.0	4432.229	4403.800	4359.125	4345.588	4347.618
36.5	4381.462	4353.033	4308.359	4293.468	4296.175
37.0	4329.342	4301.590	4256.239	4241.348	4242.701
37.5	4277.222	4249.470	4204.119	4188.551	4188.551
38.0	4224.426	4197.350	4151.322	4135.077	4135.077
38.5	4171.629	4143.877	4097.848	4081.603	4080.926
39.0	4118.155	4090.403	4044.375	4028.130	4026.099
39.5	4064.681	4036.252	3990.224	3973.302	3971.271
40.0	4010.531	3981.425	3936.074	3918.475	3916.444
40.5	3955.026	3926.597	3881.246	3862.970	3860.263
41.0	3900.199	3872.447	3826.418	3806.789	3803.404
41.5	3842.664	3816.942	3770.914	3750.608	3746.546
42.0	3787.159	3762.115	3714.733	3693.749	3689.688
42.5	3731.655	3706.610	3658.552	3636.891	3632.153
43.0	3675.474	3650.429	3602.370	3579.356	3575.295
43.5	3619.969	3594.248	3546.189	3521.144	3518.437
44.0	3564.465	3538.066	3489.331	3463.609	3460.225
44.5	3508.284	3481.208	3433.150	3405.397	3402.690
45.0	3452.779	3425.704	3377.645	3347.862	3345.155
45.5	3396.598	3369.523	3320.787	3290.327	3286.943
46.0	3341.770	3313.341	3264.606	3232.792	3229.408
46.5	3284.912	3257.160	3207.748	3175.257	3171.196
47.0	3229.408	3200.302	3150.213	3117.722	3112.984
47.5	3173.227	3144.121	3093.354	3060.187	3056.803
48.0	3117.722	3087.262	3037.173	3003.329	2999.945
48.5	3061.541	3030.404	2980.315	2947.148	2943.763
49.0	3006.037	2974.900	2924.811	2891.643	2887.582
49.5	2949.178	2919.396	2869.306	2836.816	2831.401
50.0	2892.997	2863.891	2813.802	2781.988	2775.896
50.5	2836.816	2809.064	2758.297	2727.161	2720.392
51.0	2781.311	2754.236	2703.470	2672.333	2665.564
51.5	2726.484	2698.732	2647.966	2618.183	2610.737
52.0	2672.333	2643.904	2593.815	2564.709	2557.263
52.5	2617.506	2589.077	2540.341	2511.235	2504.466
53.0	2564.032	2536.280	2488.221	2458.438	2451.670
53.5	2511.235	2484.160	2434.747	2406.318	2399.550
54.0	2457.761	2432.040	2383.304	2354.198	2347.430
54.5	2406.995	2379.920	2331.184	2302.755	2295.986

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55.0	2355.552	2327.800	2279.741	2250.635	2245.897
55.5	2304.786	2276.357	2228.975	2200.546	2195.808
56.0	2254.697	2225.591	2178.209	2149.780	2145.718
56.5	2204.607	2174.824	2128.796	2101.044	2096.983
57.0	2155.195	2124.735	2079.384	2052.309	2049.601
57.5	2107.136	2076.000	2031.325	2004.927	2002.896
58.0	2059.077	2027.941	1983.943	1958.222	1956.868
58.5	2011.019	1979.882	1935.885	1912.194	1911.517
59.0	1963.637	1932.500	1888.503	1866.843	1866.843
59.5	1915.578	1885.119	1841.798	1822.169	1822.169
60.0	1868.873	1838.414	1795.093	1778.171	1779.525
60.5	1822.845	1792.386	1750.419	1735.528	1736.881
61.0	1777.494	1747.035	1705.745	1693.561	1694.915
61.5	1732.820	1702.360	1662.424	1652.271	1654.302
62.0	1688.146	1659.040	1619.781	1612.335	1615.042
62.5	1644.148	1616.396	1577.814	1573.076	1575.783
63.0	1600.828	1574.429	1536.524	1534.493	1536.524
63.5	1558.861	1531.786	1495.234	1495.911	1498.619
64.0	1516.894	1490.496	1454.621	1458.006	1461.390
64.5	1476.958	1449.883	1415.362	1421.454	1424.838
65.0	1436.345	1409.947	1378.133	1384.902	1388.964
65.5	1397.086	1371.365	1340.905	1349.704	1355.119
66.0	1359.181	1333.459	1305.030	1315.860	1321.275
66.5	1321.275	1296.907	1269.832	1282.016	1289.462
67.0	1284.724	1260.356	1234.634	1248.849	1257.648
67.5	1248.172	1224.481	1199.436	1215.682	1225.158
68.0	1212.974	1189.283	1166.269	1183.868	1194.021
68.5	1177.776	1154.762	1132.425	1152.731	1164.238
69.0	1143.255	1120.918	1099.935	1121.595	1135.132
69.5	1110.088	1087.751	1068.798	1091.812	1107.380
70.0	1076.244	1055.260	1038.338	1062.706	1079.628
70.5	1043.753	1023.447	1007.878	1034.954	1051.876
71.0	1011.940	992.987	978.773	1006.525	1024.801
71.5	979.449	962.527	948.990	978.773	999.079
72.0	947.636	932.068	919.884	951.697	972.681
72.5	917.176	902.285	892.132	924.622	946.282
73.0	886.716	872.502	864.379	898.223	920.561
73.5	856.934	843.396	837.304	871.825	894.839
74.0	828.505	814.967	810.906	846.780	870.471
74.5	799.399	787.215	785.184	821.736	846.780
75.0	771.646	760.139	760.139	797.368	821.736
75.5	743.894	733.741	735.095	773.677	797.368
76.0	717.496	707.343	710.050	749.309	773.000
76.5	691.097	680.944	685.005	724.941	749.309
77.0	665.850	655.019	660.638	700.574	725.618
77.5	640.263	629.569	636.541	676.883	701.251
78.0	614.677	604.321	612.985	653.666	677.560
78.5	589.565	579.479	589.836	630.855	654.410
79.0	565.265	555.044	566.619	607.773	631.464
79.5	541.506	531.015	542.725	584.962	607.841
80.0	517.815	507.324	519.440	562.287	583.811
80.5	493.312	483.565	495.817	539.746	560.527
81.0	468.944	459.739	472.126	516.935	536.565
81.5	444.306	435.439	448.435	493.583	512.062
82.0	420.073	411.206	424.676	470.298	487.288
82.5	396.044	387.109	400.985	447.487	462.176

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## CANDELA TABULATION - (Cont.)

83.0	372.082	363.283	377.362	424.676	436.725
83.5	347.376	339.389	353.536	401.324	410.597
84.0	322.196	315.563	329.303	377.091	383.928
84.5	296.610	291.195	304.665	351.911	356.243
85.0	270.550	266.421	280.026	325.784	327.476
85.5	244.490	241.241	254.982	299.521	297.896
86.0	217.550	215.858	230.208	271.633	267.436
86.5	189.189	189.866	204.960	242.392	236.909
87.0	160.624	163.535	178.426	212.609	206.788
87.5	131.924	136.527	151.351	182.217	176.396
88.0	103.292	109.926	124.682	151.757	146.545
88.5	75.269	83.730	98.148	121.771	117.575
89.0	48.532	58.821	73.103	93.207	89.484
89.5	24.435	36.010	50.495	66.944	64.236
90.0	7.513	18.140	31.610	43.862	41.967
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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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 : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.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 : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.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 : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2277.23	N.A.	15.50
0-30	4740.66	N.A.	32.20
0-40	7533.31	N.A.	51.10
0-60	12196.68	N.A.	82.80
0-80	14418.69	N.A.	97.90
0-90	14730.48	N.A.	100.00
10-90	14134.98	N.A.	96.00
20-40	5256.08	N.A.	35.70
20-50	7866.47	N.A.	53.40
40-70	6057.39	N.A.	41.10
60-80	2222.00	N.A.	15.10
70-80	827.98	N.A.	5.60
80-90	311.79	N.A.	2.10
90-110	0.81	N.A.	0.00
90-120	0.81	N.A.	0.00
90-130	0.81	N.A.	0.00
90-150	0.81	N.A.	0.00
90-180	0.81	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	14731.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	595.50
10-20	1681.73
20-30	2463.43
30-40	2792.65
40-50	2610.39
50-60	2052.98
60-70	1394.02
70-80	827.98
80-90	311.79
90-100	0.81
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 : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	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	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	65	57	50	63	55	50	61	54	49	59	53	49	47
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	30	41	34	29	40	34	29	39	33	29	27

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.IES

## UGR TABLE - CORRECTED

### Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

### Room Size UGR Viewed Crosswise

X=2H	Y=2H	18.4	20.0	18.8	20.3	20.6	18.2	19.7	18.5	20.0	20.3
	3H	20.0	21.4	20.3	21.7	22.0	19.8	21.2	20.2	21.5	21.9
	4H	20.6	21.9	21.0	22.2	22.6	20.5	21.8	20.9	22.2	22.5
	6H	21.1	22.3	21.5	22.7	23.1	21.2	22.4	21.6	22.7	23.1
	8H	21.3	22.5	21.7	22.9	23.3	21.4	22.6	21.9	23.0	23.4
	12H	21.5	22.6	21.9	23.0	23.4	21.7	22.8	22.1	23.2	23.6

### UGR Viewed Endwise

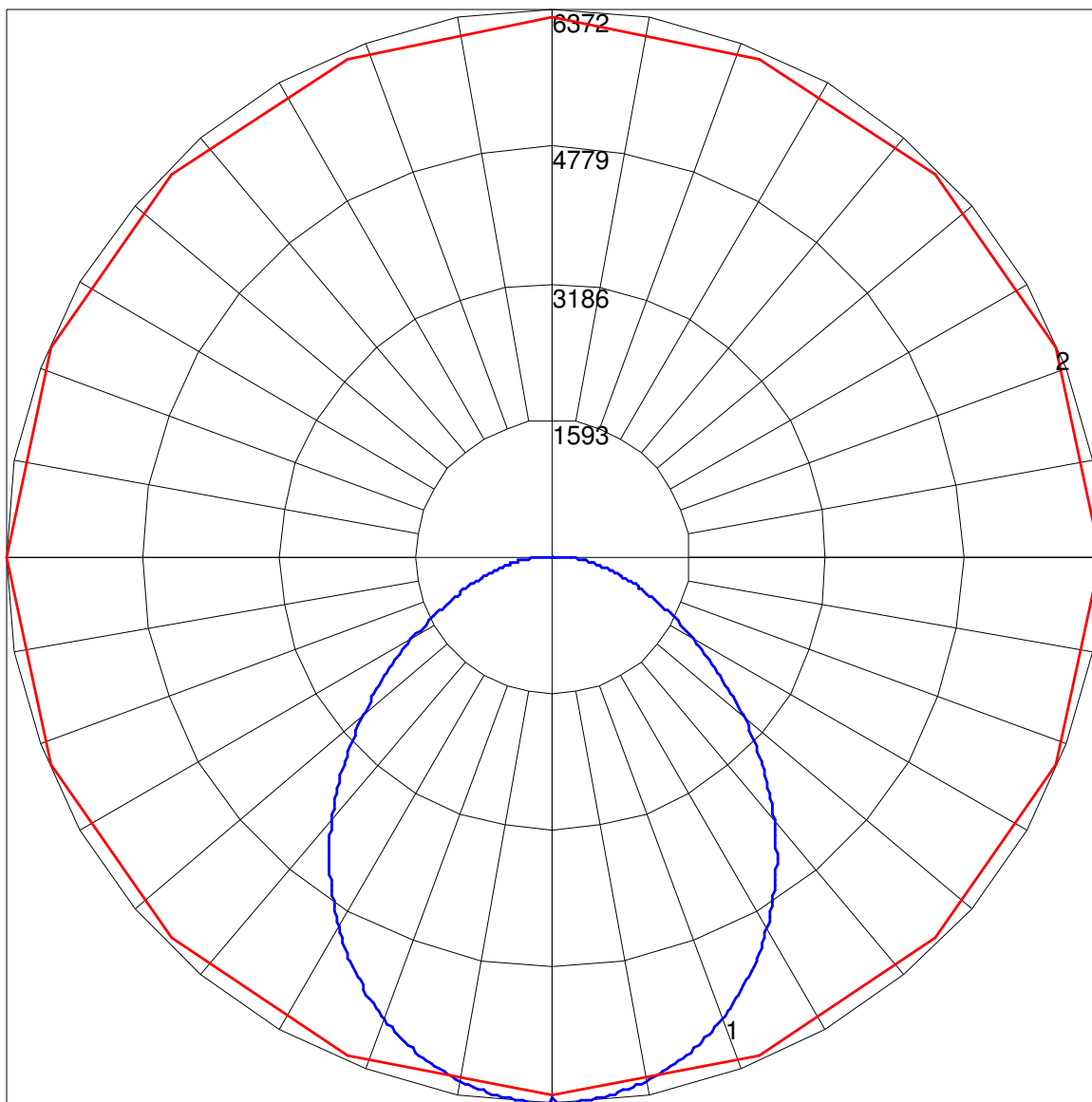
4H	2H	18.9	20.2	19.3	20.6	20.9	18.7	20.0	19.1	20.4	20.7
	3H	20.7	21.8	21.1	22.2	22.6	20.5	21.6	20.9	22.0	22.4
	4H	21.4	22.4	21.9	22.8	23.3	21.4	22.4	21.8	22.8	23.3
	6H	22.1	23.0	22.6	23.4	23.9	22.2	23.1	22.7	23.5	24.0
	8H	22.4	23.2	22.9	23.7	24.1	22.6	23.4	23.1	23.9	24.3
	12H	22.6	23.4	23.1	23.8	24.3	22.9	23.7	23.4	24.1	24.6
8H	4H	21.7	22.5	22.2	23.0	23.5	21.7	22.5	22.2	23.0	23.4
	6H	22.6	23.2	23.1	23.7	24.2	22.7	23.4	23.2	23.9	24.3
	8H	22.9	23.5	23.4	24.1	24.5	23.2	23.8	23.7	24.3	24.8
	12H	23.3	23.8	23.8	24.3	24.9	23.7	24.2	24.2	24.7	25.2
12H	4H	21.8	22.5	22.3	23.0	23.5	21.8	22.5	22.2	23.0	23.4
	6H	22.7	23.3	23.2	23.7	24.3	22.8	23.4	23.3	23.9	24.4
	8H	23.1	23.6	23.6	24.1	24.7	23.3	23.9	23.8	24.4	24.9

Maximum UGR = 25.2

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSX-24-L32-GRN-L147-840-SYM-DIM-UNV\_WHITE ONLY.IES

## POLAR GRAPH



Maximum Candela = 6372.175 Located At Horizontal Angle = 0, Vertical Angle = .5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)