



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MDSG-24-L155-8TW-SYM-DALI_4000K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 12186363.03

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 2/22/2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.

[LUMCAT] MDS-24-L155-8TW-SYM-DALI

[LUMINAIRE] White formed steel housing, frosted patterned plastic lens

[MORE] enclosure

[LAMP] 336 white LEDs

[BALLAST] Philips XI095C275V054BSS1

[OTHER] 24.5 C, 119.956 V, 1.42973 A, 171.017 W, 0.997153 PF, 59.9981

[MORE] Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[_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	15569
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	127
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MDSG-24-L155-8TW-SYM-DALI_4000K.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9079	8881	8796
55	7636	7390	7280
65	6319	6063	6111
75	5543	5461	5903
85	5772	5974	6986

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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	6672.428	6672.428	6672.428	6672.428	6672.428
0.5	6734.667	6703.190	6652.397	6645.244	6643.097
1.0	6733.236	6702.475	6650.967	6643.813	6641.667
1.5	6731.806	6700.328	6648.821	6641.667	6640.236
2.0	6728.944	6697.467	6646.674	6638.805	6637.374
2.5	6725.367	6693.890	6643.097	6635.228	6633.797
3.0	6720.359	6688.882	6638.090	6630.936	6629.505
3.5	6715.352	6683.875	6633.082	6625.928	6624.497
4.0	6708.198	6677.436	6626.643	6620.205	6618.059
4.5	6701.759	6670.282	6620.205	6613.051	6612.336
5.0	6693.890	6662.413	6613.051	6606.613	6605.182
5.5	6685.305	6653.828	6605.182	6598.028	6597.313
6.0	6676.721	6645.244	6595.882	6589.443	6588.728
6.5	6666.705	6634.513	6585.866	6579.428	6579.428
7.0	6655.259	6623.782	6575.851	6569.412	6569.412
7.5	6643.097	6611.620	6563.689	6558.682	6557.251
8.0	6630.220	6598.743	6552.243	6545.805	6545.805
8.5	6615.913	6585.866	6538.651	6533.643	6531.497
9.0	6600.889	6571.559	6525.774	6519.335	6518.620
9.5	6585.866	6556.535	6511.466	6505.027	6503.597
10.0	6569.412	6540.081	6495.727	6490.004	6489.289
10.5	6552.243	6523.628	6479.273	6474.266	6472.835
11.0	6534.358	6505.743	6462.104	6457.096	6455.666
11.5	6515.043	6487.143	6444.219	6439.212	6437.781
12.0	6495.727	6467.827	6424.904	6420.612	6419.181
12.5	6474.981	6447.796	6405.588	6400.581	6399.865
13.0	6454.235	6426.335	6384.127	6380.550	6379.834
13.5	6431.342	6404.158	6362.665	6359.804	6360.519
14.0	6408.450	6381.265	6340.488	6338.342	6337.627
14.5	6384.842	6357.657	6316.880	6314.734	6315.449
15.0	6359.804	6333.334	6292.557	6291.842	6292.557
15.5	6334.765	6307.580	6266.803	6266.088	6267.518
16.0	6308.296	6281.826	6240.334	6241.049	6242.480
16.5	6281.826	6254.641	6214.580	6214.580	6216.726
17.0	6254.641	6226.741	6186.680	6187.395	6189.541
17.5	6227.457	6197.410	6158.064	6159.495	6161.641
18.0	6198.126	6168.079	6128.733	6130.879	6133.741
18.5	6168.079	6138.749	6099.402	6101.548	6103.694
19.0	6138.033	6107.271	6068.640	6070.787	6074.364
19.5	6107.271	6077.225	6037.879	6038.594	6042.171
20.0	6075.079	6045.033	6005.686	6006.402	6010.694
20.5	6041.456	6012.125	5972.063	5972.778	5977.786
21.0	6007.117	5978.502	5938.440	5939.155	5942.732
21.5	5972.778	5944.163	5903.386	5903.386	5907.678
22.0	5937.724	5909.824	5869.047	5868.332	5871.909
22.5	5901.955	5874.055	5832.562	5831.847	5836.139
23.0	5864.755	5836.855	5795.362	5794.647	5798.224
23.5	5826.839	5799.654	5758.162	5756.016	5761.023
24.0	5788.208	5761.739	5720.246	5717.385	5721.677
24.5	5748.862	5723.108	5681.615	5678.754	5683.761
25.0	5708.800	5684.477	5644.415	5640.838	5642.984
25.5	5670.169	5645.846	5604.353	5600.776	5603.638
26.0	5630.823	5605.784	5562.861	5559.284	5562.145
26.5	5590.761	5564.292	5521.368	5517.076	5520.653

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27.0	5548.553	5522.084	5479.160	5474.868	5478.445
27.5	5506.345	5478.445	5435.522	5431.229	5434.806
28.0	5462.706	5434.806	5391.883	5386.875	5390.452
28.5	5418.352	5390.452	5347.529	5341.806	5345.383
29.0	5373.283	5345.383	5301.744	5296.736	5298.882
29.5	5327.498	5300.313	5255.959	5250.236	5253.098
30.0	5281.713	5253.813	5209.459	5203.020	5206.597
30.5	5235.213	5207.313	5162.243	5155.805	5159.382
31.0	5187.997	5160.097	5114.312	5107.874	5111.451
31.5	5139.351	5112.166	5066.381	5059.227	5063.520
32.0	5091.420	5064.235	5017.735	5009.866	5013.442
32.5	5042.058	5014.873	4968.373	4959.073	4963.365
33.0	4992.696	4965.511	4918.296	4908.996	4911.857
33.5	4941.904	4915.434	4868.219	4857.488	4860.349
34.0	4891.826	4864.642	4816.711	4805.980	4809.557
34.5	4840.318	4813.134	4765.203	4753.041	4755.903
35.0	4788.810	4760.910	4712.979	4699.387	4702.964
35.5	4737.302	4707.972	4660.041	4646.448	4650.025
36.0	4684.364	4654.317	4607.102	4592.794	4594.940
36.5	4630.710	4600.663	4553.448	4537.709	4540.571
37.0	4575.625	4546.294	4498.363	4482.624	4484.055
37.5	4520.540	4491.209	4443.278	4426.824	4426.824
38.0	4464.739	4436.124	4387.478	4370.308	4370.308
38.5	4408.939	4379.608	4330.962	4313.793	4313.077
39.0	4352.423	4323.093	4274.446	4257.277	4255.131
39.5	4295.908	4265.861	4217.215	4199.330	4197.184
40.0	4238.677	4207.915	4159.984	4141.384	4139.238
40.5	4180.015	4149.969	4102.038	4082.722	4079.860
41.0	4122.068	4092.737	4044.091	4023.345	4019.768
41.5	4061.260	4034.076	3985.429	3963.968	3959.675
42.0	4002.599	3976.129	3926.052	3903.875	3899.583
42.5	3943.937	3917.467	3866.675	3843.782	3838.775
43.0	3884.559	3858.090	3807.297	3782.974	3778.682
43.5	3825.898	3798.713	3747.920	3721.451	3718.589
44.0	3767.236	3739.336	3687.828	3660.643	3657.066
44.5	3707.858	3679.243	3628.450	3599.119	3596.258
45.0	3649.197	3620.581	3569.788	3538.311	3535.450
45.5	3589.819	3561.204	3509.696	3477.503	3473.926
46.0	3531.873	3501.827	3450.319	3416.695	3413.118
46.5	3471.780	3442.449	3390.226	3355.887	3351.595
47.0	3413.118	3382.357	3329.418	3295.079	3290.072
47.5	3353.741	3322.979	3269.325	3234.271	3230.694
48.0	3295.079	3262.887	3209.948	3174.179	3170.602
48.5	3235.702	3202.794	3149.855	3114.801	3111.224
49.0	3177.040	3144.132	3091.194	3056.140	3051.847
49.5	3116.948	3085.471	3032.532	2998.193	2992.470
50.0	3057.570	3026.809	2973.870	2940.247	2933.808
50.5	2998.193	2968.862	2915.208	2882.300	2875.146
51.0	2939.531	2910.916	2857.262	2824.354	2817.200
51.5	2881.585	2852.254	2798.600	2767.123	2759.253
52.0	2824.354	2794.307	2741.369	2710.607	2702.738
52.5	2766.407	2736.361	2684.853	2654.091	2646.937
53.0	2709.892	2680.561	2629.768	2598.291	2591.137
53.5	2654.091	2625.476	2573.252	2543.206	2536.052
54.0	2597.576	2570.391	2518.883	2488.121	2480.967
54.5	2543.921	2515.306	2463.798	2433.752	2426.598

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CANDELA TABULATION - (Cont.)

55.0	2489.552	2460.221	2409.428	2378.667	2373.659
55.5	2435.898	2405.851	2355.774	2325.728	2320.720
56.0	2382.959	2352.197	2302.120	2272.074	2267.781
56.5	2330.020	2298.543	2249.897	2220.566	2216.274
57.0	2277.797	2245.604	2197.673	2169.058	2166.196
57.5	2227.004	2194.096	2146.881	2118.981	2116.835
58.0	2176.212	2143.304	2096.804	2069.619	2068.188
58.5	2125.419	2092.511	2046.011	2020.972	2020.257
59.0	2075.342	2042.434	1995.934	1973.041	1973.041
59.5	2024.549	1992.357	1946.572	1925.826	1925.826
60.0	1975.188	1942.995	1897.210	1879.326	1880.756
60.5	1926.541	1894.349	1849.995	1834.256	1835.687
61.0	1878.610	1846.418	1802.779	1789.902	1791.333
61.5	1831.395	1799.202	1756.994	1746.263	1748.409
62.0	1784.179	1753.417	1711.925	1704.055	1706.917
62.5	1737.679	1708.348	1667.571	1662.563	1665.424
63.0	1691.894	1663.994	1623.932	1621.786	1623.932
63.5	1647.540	1618.924	1580.293	1581.009	1583.870
64.0	1603.186	1575.285	1537.370	1540.947	1544.524
64.5	1560.978	1532.362	1495.877	1502.316	1505.893
65.0	1518.054	1490.154	1456.531	1463.685	1467.977
65.5	1476.562	1449.377	1417.185	1426.485	1432.208
66.0	1436.500	1409.315	1379.269	1390.715	1396.438
66.5	1396.438	1370.684	1342.069	1354.946	1362.815
67.0	1357.807	1332.053	1304.869	1319.892	1329.192
67.5	1319.176	1294.138	1267.668	1284.838	1294.853
68.0	1281.976	1256.938	1232.614	1251.214	1261.945
68.5	1244.776	1220.453	1196.845	1218.307	1230.468
69.0	1208.291	1184.683	1162.506	1185.399	1199.706
69.5	1173.237	1149.629	1129.598	1153.922	1170.376
70.0	1137.468	1115.291	1097.406	1123.160	1141.045
70.5	1103.129	1081.667	1065.213	1093.829	1111.714
71.0	1069.506	1049.475	1034.452	1063.783	1083.098
71.5	1035.167	1017.282	1002.975	1034.452	1055.913
72.0	1001.544	985.090	972.213	1005.836	1028.013
72.5	969.351	953.613	942.882	977.221	1000.113
73.0	937.159	922.136	913.551	949.321	972.928
73.5	905.682	891.374	884.936	921.420	945.744
74.0	875.635	861.328	857.035	894.951	919.990
74.5	844.874	831.997	829.851	868.482	894.951
75.0	815.543	803.381	803.381	842.728	868.482
75.5	786.212	775.481	776.912	817.689	842.728
76.0	758.312	747.581	750.443	791.935	816.974
76.5	730.412	719.681	723.973	766.181	791.935
77.0	703.728	692.281	698.219	740.427	766.896
77.5	676.686	665.383	672.751	715.388	741.142
78.0	649.644	638.699	647.856	690.851	716.104
78.5	623.103	612.444	623.390	666.742	691.638
79.0	597.421	586.619	598.852	642.347	667.386
79.5	572.311	561.222	573.598	618.239	642.419
80.0	547.272	536.184	548.989	594.273	617.023
80.5	521.375	511.074	524.022	570.451	592.413
81.0	495.621	485.892	498.983	546.342	567.088
81.5	469.581	460.209	473.945	521.661	541.191
82.0	443.970	434.598	448.835	497.052	515.008
82.5	418.574	409.131	423.796	472.943	488.467

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CANDELA TABULATION - (Cont.)

83.0	393.249	383.949	398.829	448.835	461.569
83.5	367.137	358.696	373.647	424.154	433.955
84.0	340.525	333.514	348.036	398.543	405.768
84.5	313.483	307.760	321.996	371.930	376.509
85.0	285.941	281.577	295.956	344.316	346.105
85.5	258.398	254.964	269.487	316.559	314.842
86.0	229.926	228.137	243.304	287.085	282.650
86.5	199.951	200.666	216.620	256.181	250.386
87.0	169.762	172.838	188.576	224.704	218.551
87.5	139.429	144.294	159.961	192.583	186.430
88.0	109.168	116.179	131.775	160.390	154.882
88.5	79.551	88.494	103.731	128.698	124.263
89.0	51.293	62.167	77.262	98.509	94.574
89.5	25.826	38.059	53.368	70.752	67.890
90.0	7.941	19.172	33.409	46.357	44.354
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 : MDSG-24-L155-8TW-SYM-DALI_4000K.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 : MDSG-24-L155-8TW-SYM-DALI_4000K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2406.78	N.A.	15.50
0-30	5010.35	N.A.	32.20
0-40	7961.86	N.A.	51.10
0-60	12890.51	N.A.	82.80
0-80	15238.92	N.A.	97.90
0-90	15568.45	N.A.	100.00
10-90	14939.07	N.A.	96.00
20-40	5555.08	N.A.	35.70
20-50	8313.96	N.A.	53.40
40-70	6401.98	N.A.	41.10
60-80	2348.41	N.A.	15.10
70-80	875.08	N.A.	5.60
80-90	329.53	N.A.	2.10
90-110	0.86	N.A.	0.00
90-120	0.86	N.A.	0.00
90-130	0.86	N.A.	0.00
90-150	0.86	N.A.	0.00
90-180	0.86	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	15569.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	629.38
10-20	1777.4
20-30	2603.57
30-40	2951.51
40-50	2758.89
50-60	2169.77
60-70	1473.32
70-80	875.08
80-90	329.53
90-100	0.86
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

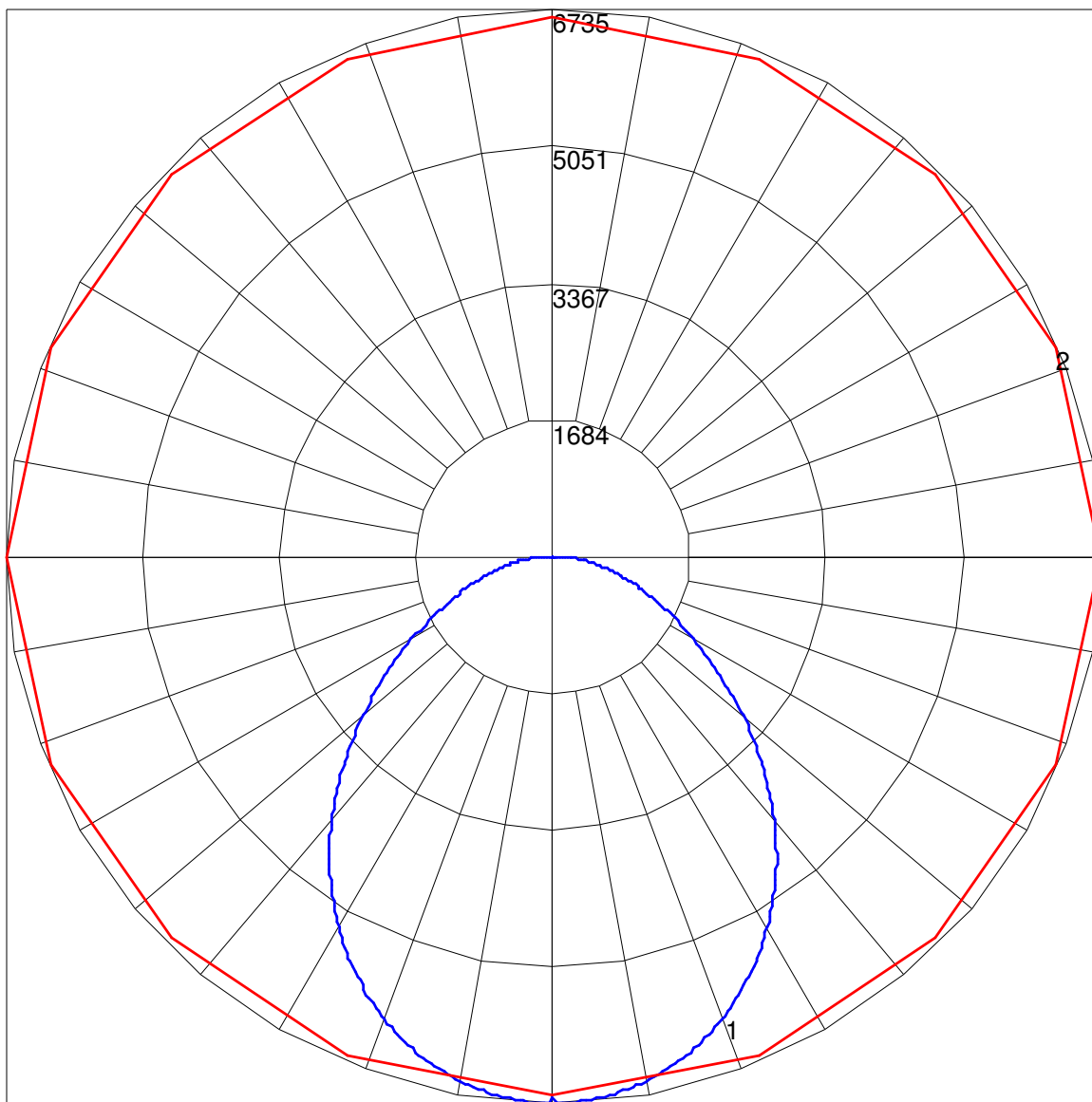
IES INDOOR REPORT
PHOTOMETRIC FILENAME : MDSG-24-L155-8TW-SYM-DALI_4000K.IES

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

POLAR GRAPH



Maximum Candela = 6734.667 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.)