



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL 12154994.02
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 18-FEB-2020
[MANUFAC] H E Williams Inc
[LUMCAT] MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY
[LUMINAIRE] White formed steel housing, frosted patterned plastic lens
[MORE] enclosure
[LAMP] 112 green LEDs
[OTHER] This test was performed using the calibrated photodetector met
[MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2883
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	36.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.44
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.58 ft
Luminous Width (90-270)	3.54 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2652	2421	1938
55	2295	2088	1663
65	1775	1624	1339
75	1169	1058	931
85	456	394	390

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	1258.674	1258.674	1258.674	1258.674	1258.674	1258.674	1258.674	1258.674	1258.674
0.5	1266.914	1262.794	1260.734	1260.734	1262.794	1255.583	1252.493	1251.463	1253.523
1.0	1273.094	1268.974	1265.884	1262.794	1262.794	1252.493	1247.343	1245.283	1247.343
1.5	1278.244	1274.124	1268.974	1264.854	1262.794	1249.403	1243.223	1239.103	1241.163
2.0	1284.424	1279.274	1273.094	1265.884	1262.794	1247.343	1238.073	1232.923	1233.953
2.5	1289.574	1284.424	1277.214	1267.944	1261.764	1244.253	1232.923	1226.743	1226.743
3.0	1294.724	1288.544	1280.304	1270.004	1260.734	1241.163	1227.773	1219.533	1219.533
3.5	1299.874	1293.694	1283.394	1271.034	1259.704	1237.043	1221.593	1213.353	1212.323
4.0	1305.024	1297.814	1286.484	1272.064	1258.674	1233.953	1216.443	1206.143	1205.113
4.5	1310.174	1301.934	1289.574	1273.094	1257.644	1229.833	1210.263	1198.933	1196.873
5.0	1314.294	1306.054	1292.664	1275.154	1256.613	1225.713	1204.083	1191.723	1188.633
5.5	1318.414	1310.174	1295.754	1275.154	1254.553	1222.623	1197.903	1183.483	1180.393
6.0	1323.564	1313.264	1297.814	1276.184	1253.523	1218.503	1191.723	1176.273	1172.153
6.5	1326.654	1317.384	1299.874	1276.184	1251.463	1214.383	1185.543	1168.033	1162.882
7.0	1330.774	1320.474	1301.934	1277.214	1249.403	1209.233	1179.363	1159.792	1153.612
7.5	1333.864	1322.534	1303.994	1277.214	1247.343	1205.113	1172.153	1151.552	1144.342
8.0	1336.954	1325.624	1306.054	1277.214	1245.283	1200.993	1165.973	1143.312	1135.072
8.5	1340.044	1328.714	1307.084	1277.214	1242.193	1195.843	1158.762	1134.042	1125.802
9.0	1343.134	1330.774	1308.114	1277.214	1240.133	1190.693	1150.522	1125.802	1115.502
9.5	1346.224	1332.834	1310.174	1276.184	1237.043	1185.543	1143.312	1116.532	1105.202
10.0	1348.284	1334.894	1311.204	1276.184	1234.983	1180.393	1136.102	1107.262	1094.902
10.5	1350.344	1336.954	1312.234	1275.154	1231.893	1174.213	1128.892	1097.992	1084.602
11.0	1352.405	1337.984	1312.234	1274.124	1228.803	1169.063	1120.652	1087.692	1074.302
11.5	1353.435	1339.014	1312.234	1273.094	1224.683	1162.882	1112.412	1078.422	1064.001
12.0	1355.495	1341.074	1313.264	1272.064	1221.593	1157.732	1104.172	1069.151	1053.701
12.5	1356.525	1341.074	1313.264	1270.004	1217.473	1151.552	1095.932	1058.851	1043.401
13.0	1357.555	1342.104	1313.264	1268.974	1214.383	1145.372	1087.692	1048.551	1033.101
13.5	1358.585	1343.134	1313.264	1266.914	1210.263	1139.192	1078.422	1038.251	1021.153
14.0	1359.615	1343.134	1312.234	1265.884	1206.143	1131.982	1070.181	1027.436	1010.544
14.5	1359.615	1343.134	1311.204	1262.794	1202.023	1125.802	1060.911	1016.621	999.317
15.0	1360.645	1343.134	1311.204	1260.734	1197.903	1119.622	1051.641	1005.806	988.193
15.5	1360.645	1343.134	1310.174	1258.674	1192.753	1113.442	1042.371	994.785	976.656
16.0	1360.645	1342.104	1308.114	1255.583	1188.633	1106.232	1033.101	983.661	965.326
16.5	1360.645	1341.074	1307.084	1252.493	1183.483	1099.022	1023.831	972.536	953.687
17.0	1360.645	1340.044	1305.024	1249.403	1178.333	1091.812	1014.458	961.309	941.842
17.5	1359.615	1339.014	1302.964	1246.313	1173.183	1084.602	1004.982	949.876	930.203
18.0	1359.615	1337.984	1300.904	1243.223	1168.033	1077.392	995.300	938.546	918.461
18.5	1358.585	1335.924	1298.844	1239.103	1162.882	1070.181	985.618	927.628	906.410
19.0	1357.555	1333.864	1295.754	1234.983	1156.702	1062.971	975.626	916.401	894.771
19.5	1355.495	1331.804	1293.694	1230.863	1151.552	1055.761	965.635	905.071	883.131
20.0	1353.435	1329.744	1289.574	1226.743	1145.372	1047.521	955.953	893.741	871.492
20.5	1351.375	1327.684	1286.484	1222.623	1139.192	1039.281	945.859	882.513	859.750
21.0	1349.314	1324.594	1282.364	1217.473	1133.012	1032.071	935.456	871.286	848.111
21.5	1346.224	1321.504	1279.274	1212.323	1126.832	1023.522	925.259	859.750	836.884
22.0	1343.134	1318.414	1275.154	1208.203	1120.652	1015.179	915.371	848.317	825.245
22.5	1339.014	1314.294	1270.004	1203.053	1114.472	1006.939	905.380	837.296	813.606
23.0	1335.924	1311.204	1265.884	1196.873	1108.292	998.802	894.977	826.378	802.173
23.5	1331.804	1306.054	1261.764	1191.723	1101.082	990.459	884.367	815.254	791.873
24.0	1326.654	1301.934	1256.613	1186.573	1094.902	982.013	873.964	804.233	781.160
24.5	1322.534	1296.784	1251.463	1180.393	1087.692	973.257	863.458	793.418	770.139
25.0	1317.384	1291.634	1245.283	1174.213	1080.482	964.502	853.261	782.705	759.118
25.5	1313.264	1287.514	1240.133	1168.033	1073.272	955.644	843.167	771.993	748.097
26.0	1308.114	1282.364	1234.983	1161.852	1066.061	946.683	832.661	761.281	737.591
26.5	1302.964	1276.184	1228.803	1155.672	1058.851	937.825	822.155	750.363	726.982

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES****CANDELA TABULATION - (Cont.)**

27.0	1296.784	1271.034	1223.653	1149.492	1050.611	928.864	811.958	739.754	716.167
27.5	1291.634	1265.884	1217.473	1142.282	1043.401	919.903	802.070	729.557	705.043
28.0	1286.484	1259.704	1211.293	1136.102	1035.161	910.942	791.976	719.257	694.536
28.5	1280.304	1253.523	1205.113	1128.892	1027.951	901.569	781.572	708.957	684.236
29.0	1274.124	1247.343	1198.933	1121.682	1019.917	892.299	771.478	698.553	673.730
29.5	1267.944	1241.163	1191.723	1115.502	1011.883	882.822	761.693	688.356	663.430
30.0	1261.764	1234.983	1185.543	1108.292	1003.746	873.552	751.805	678.159	652.821
30.5	1255.583	1227.773	1178.333	1101.082	995.506	864.282	741.917	668.065	642.521
31.0	1248.373	1221.593	1172.153	1092.842	987.369	855.115	732.132	658.177	632.427
31.5	1242.193	1214.383	1163.912	1085.632	978.923	845.845	722.347	648.289	622.436
32.0	1234.983	1206.143	1156.702	1078.422	970.373	836.369	712.459	638.504	612.548
32.5	1227.773	1198.933	1149.492	1070.181	961.618	826.893	702.674	628.925	602.968
33.0	1221.593	1190.693	1141.252	1061.941	952.863	817.314	692.991	619.346	593.389
33.5	1213.353	1183.483	1133.012	1053.701	944.108	807.632	683.412	609.767	583.913
34.0	1206.143	1175.243	1124.772	1045.461	935.147	798.465	673.936	600.290	574.746
34.5	1197.903	1165.973	1116.532	1037.221	926.083	788.988	664.460	591.020	565.579
35.0	1189.663	1157.732	1108.292	1028.157	916.916	779.409	654.984	581.853	556.721
35.5	1181.423	1148.462	1099.022	1019.196	907.440	769.727	645.405	572.892	547.760
36.0	1173.183	1140.222	1090.782	1009.823	897.861	760.148	635.826	563.828	539.108
36.5	1164.943	1130.952	1080.482	1000.244	888.282	750.569	626.453	554.970	530.456
37.0	1155.672	1121.682	1071.212	990.665	878.702	740.681	617.080	546.318	522.010
37.5	1146.402	1111.382	1061.941	980.983	869.432	730.690	607.913	537.563	513.564
38.0	1137.132	1102.112	1051.641	971.197	859.544	720.905	598.642	528.911	505.220
38.5	1126.832	1091.812	1041.341	961.103	849.862	711.429	589.372	520.362	497.083
39.0	1116.532	1081.512	1031.041	950.906	839.871	701.747	580.102	512.018	488.843
39.5	1106.232	1070.181	1020.329	940.503	829.571	692.064	570.832	503.778	480.809
40.0	1095.932	1059.881	1009.411	929.894	819.374	682.382	561.871	495.538	472.878
40.5	1084.602	1048.551	998.596	919.285	808.971	672.494	552.807	487.401	464.947
41.0	1073.272	1037.221	987.369	908.367	798.980	662.709	543.846	479.264	457.222
41.5	1061.941	1025.582	975.832	897.449	789.091	652.821	534.988	471.127	449.394
42.0	1050.611	1013.634	964.296	886.428	778.688	643.139	526.336	463.093	441.772
42.5	1039.281	1001.583	952.554	875.303	768.388	633.457	517.684	455.368	434.047
43.0	1027.230	989.223	941.018	863.973	757.573	623.878	508.928	447.540	426.631
43.5	1015.282	976.965	929.070	852.643	746.861	614.196	500.379	440.021	419.421
44.0	1003.128	964.296	917.019	840.901	735.943	604.410	491.933	432.502	412.210
44.5	990.665	951.318	904.865	829.159	725.334	594.728	483.487	425.086	405.000
45.0	977.892	938.443	892.505	817.417	714.416	584.943	475.144	417.669	397.893
45.5	964.708	925.465	879.835	805.572	703.704	575.467	466.801	410.356	390.992
46.0	951.318	912.281	867.269	793.830	692.991	565.888	458.664	403.146	384.194
46.5	937.413	898.788	854.291	782.190	682.176	556.412	450.527	396.039	377.396
47.0	923.405	885.089	841.416	770.242	671.361	546.833	442.493	389.035	370.598
47.5	909.088	871.492	828.335	758.088	660.443	537.460	434.459	382.134	364.109
48.0	894.462	857.690	815.254	745.831	649.319	527.881	426.425	375.130	357.311
48.5	879.423	843.682	802.070	733.368	638.092	518.405	418.596	368.332	350.925
49.0	864.694	829.365	788.782	720.802	627.174	509.134	410.871	361.534	344.539
49.5	849.553	815.151	775.495	708.339	616.359	499.761	403.249	354.736	338.153
50.0	834.412	800.937	761.899	695.772	605.544	490.388	395.627	348.041	331.870
50.5	818.756	786.619	748.097	683.412	594.728	481.221	388.211	341.346	325.483
51.0	804.027	772.405	734.295	670.949	584.016	472.054	380.589	334.857	319.200
51.5	789.400	757.779	720.493	658.486	573.201	463.093	373.173	328.471	313.020
52.0	774.465	743.256	706.794	646.023	562.283	454.029	365.860	322.084	307.046
52.5	759.839	728.630	693.300	633.354	551.262	444.862	358.444	315.904	300.969
53.0	744.801	714.004	679.601	620.788	540.241	435.798	351.234	309.621	295.098
53.5	729.969	699.378	665.799	608.222	529.323	426.837	344.127	303.544	289.227
54.0	715.446	684.545	651.894	595.758	518.405	418.081	337.123	297.467	283.562
54.5	700.820	670.022	637.989	583.398	507.898	409.429	330.119	291.390	277.897

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

CANDELA TABULATION - (Cont.)

55.0	686.399	655.396	624.496	571.038	497.289	400.880	323.217	285.519	272.232
55.5	671.567	640.770	610.797	558.884	486.680	392.331	316.316	279.648	266.670
56.0	656.941	626.041	597.097	546.627	475.968	383.782	309.312	274.086	261.211
56.5	642.212	611.518	583.398	534.267	465.256	375.130	302.411	268.421	255.649
57.0	626.968	596.994	569.905	522.010	454.647	366.684	295.716	262.756	250.499
57.5	612.033	582.574	556.206	509.649	444.244	358.135	289.021	257.194	245.246
58.0	596.788	568.051	542.610	497.495	434.047	349.792	282.429	251.735	239.993
58.5	581.750	553.528	529.014	485.547	423.953	341.552	275.940	246.276	234.740
59.0	566.300	539.211	515.315	473.599	413.755	333.415	269.554	240.817	229.692
59.5	551.262	524.894	501.821	461.754	403.661	325.277	263.065	235.461	224.645
60.0	535.709	510.679	488.328	450.012	393.464	317.243	256.473	230.104	219.392
60.5	520.877	496.465	474.835	438.064	383.267	309.106	250.190	224.954	214.345
61.0	505.735	482.251	461.548	426.116	373.070	300.969	243.804	219.701	209.195
61.5	490.697	468.140	448.364	414.064	362.976	293.038	237.830	214.345	204.148
62.0	475.659	454.235	435.283	402.219	352.985	285.107	231.649	209.092	198.998
62.5	460.930	440.124	422.099	390.580	342.994	277.279	225.675	203.839	194.157
63.0	446.510	426.322	408.914	378.735	333.312	269.554	219.701	198.586	189.213
63.5	432.193	412.725	395.833	367.302	323.835	261.829	213.830	193.436	184.269
64.0	418.390	399.129	383.164	355.766	314.256	254.413	207.959	188.389	179.428
64.5	404.691	385.945	370.495	344.436	304.574	246.997	202.191	183.342	174.484
65.0	391.198	372.658	357.929	333.209	295.098	239.581	196.320	178.295	169.746
65.5	377.911	359.474	345.363	321.981	285.416	232.267	190.449	173.351	164.905
66.0	364.830	346.496	333.209	310.651	275.837	224.851	184.784	168.510	160.270
66.5	351.955	333.827	321.363	299.630	266.670	217.435	179.325	163.669	155.532
67.0	339.389	321.260	309.415	288.712	257.503	210.225	173.866	158.828	150.897
67.5	326.926	309.003	297.570	278.103	248.645	203.324	168.201	153.884	146.262
68.0	314.565	296.746	285.828	267.597	239.787	196.526	162.742	149.146	141.730
68.5	302.205	284.798	274.395	257.194	231.031	189.728	157.180	144.511	137.197
69.0	290.051	272.953	263.477	246.894	222.276	182.930	151.618	139.876	132.665
69.5	278.103	261.417	252.456	236.800	213.727	176.029	146.365	135.240	128.133
70.0	266.052	249.984	241.538	226.808	205.075	169.231	140.906	130.502	123.601
70.5	254.104	238.654	230.722	217.126	196.423	162.639	135.652	125.867	119.275
71.0	242.671	227.529	220.113	207.444	187.977	155.944	130.399	121.232	114.949
71.5	231.546	216.611	209.813	197.865	179.737	149.455	125.352	116.700	110.623
72.0	220.422	206.105	199.719	188.492	171.806	142.966	120.305	112.065	106.194
72.5	209.195	195.805	189.728	179.428	164.184	136.579	115.258	107.533	101.765
73.0	198.586	185.299	179.737	170.570	156.356	130.399	110.211	103.104	97.542
73.5	188.080	175.102	169.952	161.815	148.631	124.322	105.164	98.572	93.113
74.0	177.780	165.214	160.579	153.163	140.906	118.348	100.220	94.246	88.993
74.5	167.686	155.841	151.618	144.717	133.180	112.168	95.276	89.714	84.667
75.0	157.695	146.571	142.760	136.270	125.661	106.091	90.538	85.285	80.547
75.5	148.013	137.300	133.901	128.030	118.348	100.117	85.903	80.959	76.427
76.0	139.051	128.442	125.146	120.099	111.344	94.452	81.268	76.530	72.307
76.5	130.296	119.996	117.009	112.374	104.649	88.993	76.633	72.410	68.290
77.0	121.644	111.653	109.078	105.061	98.160	83.843	72.101	68.187	64.170
77.5	113.301	103.516	101.353	97.748	91.671	78.590	67.672	64.170	60.256
78.0	105.267	95.585	93.731	90.744	85.285	73.440	63.243	60.256	56.239
78.5	97.439	87.963	86.418	83.740	79.208	68.290	58.917	56.342	52.222
79.0	89.817	80.753	79.414	77.148	73.131	63.346	54.694	52.325	48.514
79.5	82.195	73.749	72.719	70.659	67.157	58.402	50.574	48.514	45.011
80.0	75.191	67.157	66.333	64.582	61.595	53.664	46.660	44.805	41.509
80.5	68.393	60.668	60.050	58.711	56.239	49.132	42.745	41.303	38.007
81.0	62.007	54.694	54.076	52.943	51.089	44.702	38.934	37.698	34.505
81.5	55.621	49.029	48.514	47.484	46.144	40.582	35.329	34.299	31.209
82.0	49.544	43.672	43.260	42.333	41.509	36.565	31.827	31.003	28.016
82.5	43.878	38.419	38.213	37.492	37.080	32.754	28.428	27.913	25.132

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

CANDELA TABULATION - (Cont.)

83.0	38.522	33.475	33.475	32.960	32.651	28.943	25.132	24.823	22.248
83.5	33.578	29.046	28.943	28.737	28.531	25.338	22.042	21.939	19.570
84.0	28.840	25.029	24.926	24.617	24.617	21.939	19.158	19.158	16.892
84.5	24.617	21.218	21.321	20.909	21.012	18.746	16.480	16.583	14.214
85.0	20.703	17.922	17.922	17.510	17.716	15.862	14.008	14.111	12.051
85.5	17.407	14.729	14.832	14.626	14.832	13.287	11.742	11.845	9.682
86.0	14.111	11.948	12.051	11.948	12.154	10.918	9.579	9.682	7.519
86.5	11.227	9.579	9.579	9.682	9.785	8.755	7.622	7.622	5.665
87.0	8.961	7.519	7.416	7.622	7.519	6.901	5.871	5.871	4.017
87.5	6.901	5.768	5.665	5.768	5.562	5.253	4.429	4.223	2.781
88.0	5.356	4.532	4.223	4.223	4.017	3.708	3.090	2.884	1.751
88.5	4.223	3.605	3.090	2.987	2.678	2.472	1.957	1.751	1.133
89.0	3.502	2.369	2.163	1.957	1.751	1.545	1.236	1.030	0.618
89.5	1.751	0.927	0.927	0.927	1.030	0.927	0.721	0.721	0.412
90.0	0.412	0.412	0.412	0.412	0.412	0.618	0.515	0.515	0.309
90.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

CANDELA TABULATION - (Cont.)

111.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

CANDELA TABULATION - (Cont.)

139.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	451.61	N.A.	15.70
0-30	936.61	N.A.	32.50
0-40	1490.93	N.A.	51.70
0-60	2452.26	N.A.	85.10
0-80	2860.19	N.A.	99.20
0-90	2882.79	N.A.	100.00
10-90	2764.24	N.A.	95.90
20-40	1039.33	N.A.	36.10
20-50	1571.66	N.A.	54.50
40-70	1241.27	N.A.	43.10
60-80	407.92	N.A.	14.20
70-80	127.98	N.A.	4.40
80-90	22.61	N.A.	0.80
90-110	0.01	N.A.	0.00
90-120	0.01	N.A.	0.00
90-130	0.01	N.A.	0.00
90-150	0.01	N.A.	0.00
90-180	0.01	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2882.81	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	118.56
10-20	333.05
20-30	485.00
30-40	554.32
40-50	532.33
50-60	429.00
60-70	279.94
70-80	127.98
80-90	22.61
90-100	0.01
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 : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN 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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	82	98	91	86	81	88	83	79	85	81	77	82	78	76	73
3	93	83	75	69	90	81	74	69	78	72	67	76	70	66	73	69	65	63
4	85	74	66	59	83	73	65	59	70	63	58	68	62	57	66	61	57	55
5	79	66	58	52	77	65	57	51	63	56	51	61	55	50	60	54	50	48
6	73	60	52	46	71	59	51	45	57	50	45	56	49	45	54	49	44	42
7	68	55	46	41	66	54	46	40	52	45	40	51	45	40	50	44	40	38
8	63	50	42	36	62	49	42	36	48	41	36	47	41	36	46	40	36	34
9	59	46	38	33	58	46	38	33	44	38	33	43	37	33	42	37	32	31
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN 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	15.6	17.1	15.9	17.4	17.8	13.6	15.1	13.9	15.4	15.7
	3H	16.8	18.2	17.2	18.5	18.9	14.9	16.3	15.3	16.6	17.0
	4H	17.2	18.5	17.6	18.8	19.2	15.3	16.6	15.7	17.0	17.3
	6H	17.4	18.6	17.8	18.9	19.3	15.5	16.7	15.9	17.1	17.5
	8H	17.4	18.5	17.8	18.9	19.3	15.6	16.7	16.0	17.1	17.5
	12H	17.4	18.5	17.8	18.9	19.3	15.6	16.7	16.0	17.0	17.5

UGR Viewed Endwise

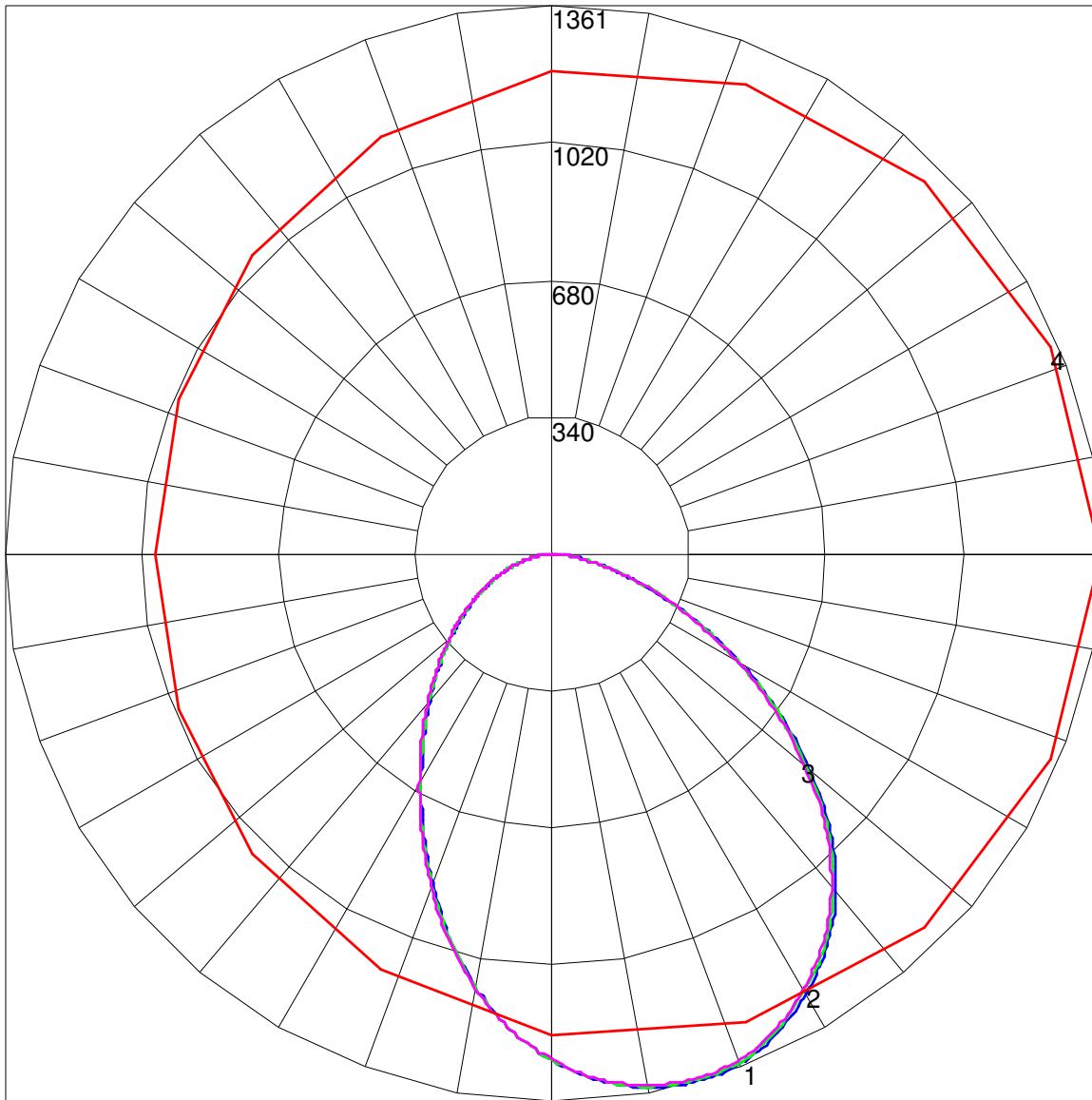
4H	2H	16.0	17.3	16.4	17.6	18.0	14.1	15.4	14.5	15.7	16.1
	3H	17.4	18.5	17.8	18.9	19.3	15.6	16.6	16.0	17.0	17.4
	4H	17.8	18.8	18.3	19.2	19.6	16.0	17.0	16.5	17.4	17.9
	6H	18.1	18.9	18.5	19.4	19.8	16.4	17.2	16.8	17.6	18.1
	8H	18.1	18.9	18.6	19.3	19.8	16.4	17.2	16.9	17.6	18.1
	12H	18.1	18.8	18.6	19.3	19.8	16.4	17.1	16.9	17.6	18.1
8H	4H	17.9	18.7	18.4	19.2	19.6	16.2	17.0	16.7	17.4	17.9
	6H	18.2	18.9	18.7	19.4	19.8	16.5	17.2	17.0	17.7	18.2
	8H	18.3	18.9	18.8	19.4	19.9	16.6	17.2	17.2	17.7	18.2
	12H	18.3	18.8	18.8	19.3	19.9	16.7	17.2	17.2	17.7	18.3
12H	4H	17.9	18.6	18.4	19.1	19.6	16.2	16.9	16.7	17.4	17.8
	6H	18.2	18.8	18.8	19.3	19.8	16.6	17.1	17.1	17.6	18.2
	8H	18.3	18.8	18.8	19.3	19.9	16.7	17.2	17.2	17.7	18.2

Maximum UGR = 19.9

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-ASY-DIM-120-GREEN ONLY_.IES

POLAR GRAPH



Maximum Candela = 1360.645 Located At Horizontal Angle = 0, Vertical Angle = 15

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

2 - Vertical Plane Through Horizontal Angles (5 - 185)

3 - Vertical Plane Through Horizontal Angles (10 - 190)

4 - Horizontal Cone Through Vertical Angle (15) (Through Max. Cd.)