



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL 12154994.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 18-FEB-2020
 [MANUFAC] H E Williams Inc
 [LUMCAT] MSTG-24-L32-GRN-L121-840-CS-SSYM-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	3250
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	36.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.28
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.54 ft
Luminous Width (90-270)	1.58 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2138	2108	2121
55	1821	1796	1808
65	1451	1435	1465
75	1006	1020	1093
85	417	467	551

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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	1375.791	1375.791	1375.791	1375.791	1375.791
0.5	1401.536	1383.000	1368.583	1367.553	1367.553
1.0	1401.536	1383.000	1368.583	1367.553	1366.523
1.5	1400.506	1381.970	1368.583	1367.553	1366.523
2.0	1400.506	1381.970	1367.553	1366.523	1365.494
2.5	1399.476	1380.940	1367.553	1366.523	1365.494
3.0	1398.447	1379.911	1366.523	1365.494	1364.464
3.5	1397.417	1378.881	1365.494	1364.464	1363.434
4.0	1396.387	1377.851	1364.464	1363.434	1362.404
4.5	1395.357	1376.821	1362.404	1362.404	1361.374
5.0	1393.298	1375.791	1361.374	1360.345	1360.345
5.5	1392.268	1373.732	1360.345	1359.315	1359.315
6.0	1390.208	1371.672	1358.285	1357.255	1357.255
6.5	1388.149	1369.613	1356.225	1356.225	1355.196
7.0	1386.089	1367.553	1354.166	1354.166	1353.136
7.5	1383.000	1365.494	1352.106	1352.106	1351.077
8.0	1380.940	1363.434	1350.047	1349.017	1349.017
8.5	1377.851	1360.345	1346.957	1346.957	1346.957
9.0	1374.762	1357.255	1344.898	1344.898	1343.868
9.5	1372.702	1354.166	1341.809	1341.809	1341.809
10.0	1369.613	1351.077	1338.719	1338.719	1338.719
10.5	1365.494	1347.987	1336.660	1335.630	1335.630
11.0	1362.404	1344.898	1332.540	1332.540	1332.540
11.5	1358.285	1340.779	1329.451	1329.451	1329.451
12.0	1354.166	1337.689	1326.362	1326.362	1326.362
12.5	1350.047	1333.570	1322.243	1322.243	1323.272
13.0	1345.928	1329.451	1318.123	1319.153	1319.153
13.5	1341.809	1324.302	1314.004	1315.034	1315.034
14.0	1336.660	1320.183	1309.885	1310.915	1311.945
14.5	1332.540	1316.064	1305.766	1306.796	1307.826
15.0	1327.392	1310.915	1300.617	1302.677	1303.706
15.5	1322.243	1305.766	1296.498	1297.528	1298.558
16.0	1317.094	1300.617	1291.349	1293.409	1294.438
16.5	1311.945	1295.468	1286.200	1288.260	1289.290
17.0	1305.766	1290.319	1281.051	1283.111	1285.170
17.5	1300.617	1285.170	1274.873	1277.962	1278.992
18.0	1295.468	1278.992	1269.724	1272.813	1273.843
18.5	1289.290	1272.813	1263.545	1266.634	1268.694
19.0	1283.111	1267.664	1257.366	1260.456	1262.515
19.5	1276.932	1261.485	1252.217	1255.307	1257.366
20.0	1270.753	1254.277	1246.039	1249.128	1251.188
20.5	1264.575	1248.098	1239.860	1242.949	1245.009
21.0	1257.366	1241.919	1232.651	1235.741	1238.830
21.5	1250.158	1235.741	1226.473	1229.562	1231.622
22.0	1243.979	1228.532	1220.294	1222.354	1225.443
22.5	1236.771	1221.324	1213.086	1216.175	1218.234
23.0	1229.562	1214.115	1205.877	1208.966	1212.056
23.5	1222.354	1206.907	1199.698	1201.758	1204.847
24.0	1214.115	1199.698	1191.460	1194.549	1197.639
24.5	1206.907	1192.490	1184.252	1187.341	1190.430
25.0	1198.669	1185.281	1177.043	1180.132	1183.222
25.5	1190.430	1177.043	1169.835	1172.924	1174.984
26.0	1182.192	1169.835	1161.596	1164.686	1167.775
26.5	1173.954	1161.596	1153.358	1156.447	1159.537

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27.0	1165.715	1153.358	1145.120	1148.209	1151.298
27.5	1157.477	1145.120	1136.881	1139.971	1143.060
28.0	1149.239	1136.881	1128.643	1131.733	1134.822
28.5	1139.971	1128.643	1120.405	1123.494	1126.584
29.0	1130.703	1119.375	1111.137	1115.256	1118.345
29.5	1121.435	1111.137	1102.899	1105.988	1109.077
30.0	1113.196	1101.869	1094.660	1097.750	1100.839
30.5	1103.928	1092.601	1085.392	1088.482	1091.571
31.0	1094.660	1083.333	1076.124	1079.214	1082.303
31.5	1085.392	1074.065	1066.856	1069.946	1073.035
32.0	1076.124	1064.797	1057.588	1060.677	1064.797
32.5	1066.856	1054.499	1048.320	1051.409	1054.499
33.0	1056.558	1045.231	1039.052	1042.141	1045.231
33.5	1047.290	1035.963	1029.372	1032.873	1035.963
34.0	1038.022	1025.665	1019.589	1022.678	1026.283
34.5	1027.415	1015.676	1009.703	1012.793	1016.500
35.0	1017.118	1005.378	999.611	1002.804	1006.614
35.5	1006.717	995.080	989.313	992.712	996.522
36.0	996.007	984.679	978.913	982.311	986.327
36.5	985.091	974.176	968.512	972.013	975.926
37.0	973.970	963.569	958.111	961.612	965.217
37.5	962.745	952.859	947.401	951.005	954.507
38.0	951.314	941.943	936.691	940.193	943.591
38.5	939.678	930.925	925.879	929.380	932.572
39.0	928.144	919.803	914.757	918.258	921.348
39.5	916.508	908.475	903.635	907.034	910.020
40.0	904.871	897.354	892.514	895.706	899.001
40.5	893.338	885.923	881.289	884.275	887.571
41.0	881.701	874.596	870.064	872.845	876.243
41.5	869.961	863.062	858.737	861.311	864.504
42.0	858.428	851.528	847.306	849.778	852.764
42.5	846.688	839.686	835.670	838.141	840.922
43.0	834.949	827.843	824.033	826.299	829.182
43.5	823.312	816.310	812.294	814.662	817.545
44.0	811.470	804.673	800.451	802.614	805.600
44.5	800.039	792.934	788.815	790.771	793.860
45.0	788.300	781.194	777.075	778.826	782.018
45.5	776.560	769.249	765.232	766.880	770.072
46.0	764.718	757.200	753.287	754.832	757.818
46.5	752.772	745.152	741.238	742.783	745.667
47.0	740.415	733.000	729.087	730.735	733.515
47.5	728.160	720.952	716.833	718.686	721.364
48.0	715.700	708.903	704.681	706.432	709.315
48.5	703.136	696.752	692.530	694.486	697.164
49.0	690.573	684.497	680.481	682.438	684.909
49.5	677.907	672.346	668.433	670.286	672.655
50.0	665.446	660.092	656.384	658.238	660.400
50.5	652.883	647.837	644.336	646.189	648.146
51.0	640.423	635.583	632.390	634.141	635.995
51.5	627.962	623.534	620.239	621.990	623.843
52.0	615.708	611.383	608.087	609.838	612.001
52.5	603.350	599.437	596.039	597.790	600.055
53.0	591.302	587.492	584.093	585.741	588.110
53.5	579.562	575.649	572.354	573.899	576.164
54.0	567.823	563.704	560.717	562.056	564.219
54.5	555.980	551.758	548.978	550.420	552.479

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55.0	544.447	539.916	537.135	538.577	540.740
55.5	532.913	528.279	525.499	526.734	529.103
56.0	521.483	516.643	513.862	515.201	517.569
56.5	510.052	505.109	502.329	503.667	506.036
57.0	498.724	493.575	490.692	492.237	494.708
57.5	487.191	482.042	479.158	480.806	483.587
58.0	475.657	470.611	467.831	469.479	472.053
58.5	464.124	459.181	456.606	458.254	460.622
59.0	452.693	447.647	445.382	447.132	449.501
59.5	441.262	436.319	434.054	436.011	438.482
60.0	429.832	424.992	422.932	424.992	427.257
60.5	418.607	413.767	411.708	414.076	416.342
61.0	407.177	402.646	400.792	403.263	405.632
61.5	395.849	391.730	389.876	392.554	394.922
62.0	384.418	380.814	379.063	381.947	384.212
62.5	373.091	370.104	368.354	371.340	373.606
63.0	362.072	359.292	357.747	360.939	362.999
63.5	351.362	348.685	347.346	350.538	352.804
64.0	340.858	337.872	336.842	340.241	342.609
64.5	330.355	327.368	326.442	330.149	332.620
65.0	319.748	317.173	316.144	320.057	322.734
65.5	309.450	307.185	306.155	310.171	312.848
66.0	299.461	297.299	296.166	300.388	303.168
66.5	289.472	287.310	286.486	290.708	293.591
67.0	279.689	277.424	276.703	281.234	284.014
67.5	270.009	267.641	267.023	271.863	274.643
68.0	260.226	257.961	257.549	262.595	265.478
68.5	250.752	248.384	248.281	253.430	256.313
69.0	241.484	238.910	239.013	244.265	247.354
69.5	232.319	229.642	229.848	235.306	238.292
70.0	223.051	220.477	220.786	226.449	229.539
70.5	213.783	211.518	211.930	217.593	220.992
71.0	204.309	202.661	203.279	208.840	212.341
71.5	195.144	193.702	194.629	200.190	203.897
72.0	186.082	184.949	186.082	191.849	195.453
72.5	177.432	176.196	177.638	183.405	187.112
73.0	168.782	167.752	169.399	175.166	178.873
73.5	160.234	159.411	161.367	167.031	170.738
74.0	151.996	151.481	153.335	159.102	162.809
74.5	143.758	143.552	145.405	151.172	155.085
75.0	135.726	135.829	137.682	143.449	147.465
75.5	127.693	128.208	130.165	135.931	139.948
76.0	120.073	120.794	122.750	128.517	132.533
76.5	112.761	113.379	115.542	121.309	124.913
77.0	105.450	106.171	108.539	114.203	117.807
77.5	98.550	99.168	101.640	107.201	110.805
78.0	91.754	92.372	94.843	100.301	104.008
78.5	85.266	85.884	88.355	93.710	97.212
79.0	78.984	79.602	82.074	87.120	90.518
79.5	72.909	73.321	75.792	80.838	84.133
80.0	66.936	67.245	69.613	74.659	77.955
80.5	61.169	61.478	63.744	68.790	71.879
81.0	55.402	55.711	58.183	63.126	65.700
81.5	50.048	50.253	52.725	57.462	59.727
82.0	44.899	45.002	47.473	52.004	54.064
82.5	40.059	40.059	42.427	46.855	48.812

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83.0	35.528	35.528	37.793	41.809	43.663
83.5	30.996	31.202	33.159	36.969	38.617
84.0	26.671	27.186	29.040	32.541	33.880
84.5	22.655	23.273	24.921	28.319	29.349
85.0	18.948	19.669	21.214	24.303	25.024
85.5	15.653	16.374	17.815	20.493	21.008
86.0	12.666	13.387	14.726	16.888	17.403
86.5	9.989	10.813	11.843	13.696	13.902
87.0	7.620	8.444	9.371	10.813	11.019
87.5	5.561	6.282	7.208	8.135	8.444
88.0	3.913	4.531	5.252	5.973	6.076
88.5	2.574	3.089	3.604	4.119	4.222
89.0	1.648	2.060	2.369	2.677	2.780
89.5	1.030	1.236	1.442	1.751	1.854
90.0	0.515	0.721	0.927	1.133	1.030
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 : MSTG-24-L32-GRN-L121-840-CS-SSYM-DIM-120-GREEN 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 : MSTG-24-L32-GRN-L121-840-CS-SSYM-DIM-120-GREEN 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 : MSTG-24-L32-GRN-L121-840-CS-SSYM-DIM-120-GREEN ONLY_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	498.31	N.A.	15.30
0-30	1042.67	N.A.	32.10
0-40	1669.9	N.A.	51.40
0-60	2753.86	N.A.	84.70
0-80	3220.64	N.A.	99.10
0-90	3249.48	N.A.	100.00
10-90	3119.56	N.A.	96.00
20-40	1171.6	N.A.	36.10
20-50	1772.73	N.A.	54.60
40-70	1400.93	N.A.	43.10
60-80	466.77	N.A.	14.40
70-80	149.80	N.A.	4.60
80-90	28.84	N.A.	0.90
90-110	0.02	N.A.	0.00
90-120	0.02	N.A.	0.00
90-130	0.02	N.A.	0.00
90-150	0.02	N.A.	0.00
90-180	0.02	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3249.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	129.92
10-20	368.39
20-30	544.36
30-40	627.23
40-50	601.14
50-60	482.82
60-70	316.97
70-80	149.80
80-90	28.84
90-100	0.02
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-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	85	81	88	83	79	85	81	77	82	78	75	73
3	92	83	75	69	90	81	74	68	78	72	67	75	70	66	73	69	65	63
4	85	74	65	59	83	72	65	59	70	63	58	68	62	57	66	61	56	54
5	78	66	58	51	76	65	57	51	63	56	51	61	55	50	59	54	50	48
6	73	60	51	45	71	59	51	45	57	50	45	56	49	44	54	48	44	42
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	58	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MSTG-24-L32-GRN-L121-840-CS-SSYM-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	13.8	15.3	14.1	15.6	16.0	13.8	15.3	14.1	15.6	15.9
	3H	15.1	16.5	15.5	16.8	17.2	15.1	16.5	15.5	16.9	17.2
	4H	15.5	16.8	15.9	17.2	17.5	15.6	16.9	16.0	17.3	17.6
	6H	15.7	16.9	16.1	17.3	17.7	15.9	17.1	16.3	17.5	17.8
	8H	15.8	16.9	16.2	17.3	17.7	15.9	17.1	16.4	17.5	17.9
	12H	15.8	16.9	16.2	17.2	17.7	16.0	17.1	16.4	17.4	17.9

UGR Viewed Endwise

4H	2H	14.3	15.6	14.7	15.9	16.3	14.2	15.5	14.6	15.9	16.3
	3H	15.8	16.9	16.2	17.3	17.7	15.8	16.9	16.2	17.3	17.7
	4H	16.3	17.2	16.7	17.7	18.1	16.4	17.3	16.8	17.8	18.2
	6H	16.6	17.4	17.0	17.9	18.3	16.7	17.6	17.2	18.0	18.5
	8H	16.6	17.4	17.1	17.9	18.3	16.8	17.6	17.3	18.1	18.5
	12H	16.6	17.4	17.1	17.8	18.3	16.9	17.6	17.4	18.1	18.5

8H	4H	16.4	17.2	16.9	17.7	18.1	16.5	17.3	17.0	17.8	18.2
	6H	16.8	17.5	17.3	18.0	18.4	17.0	17.6	17.5	18.1	18.6
	8H	16.9	17.5	17.4	18.0	18.5	17.1	17.7	17.6	18.2	18.7
	12H	16.9	17.5	17.5	18.0	18.5	17.2	17.7	17.7	18.2	18.8

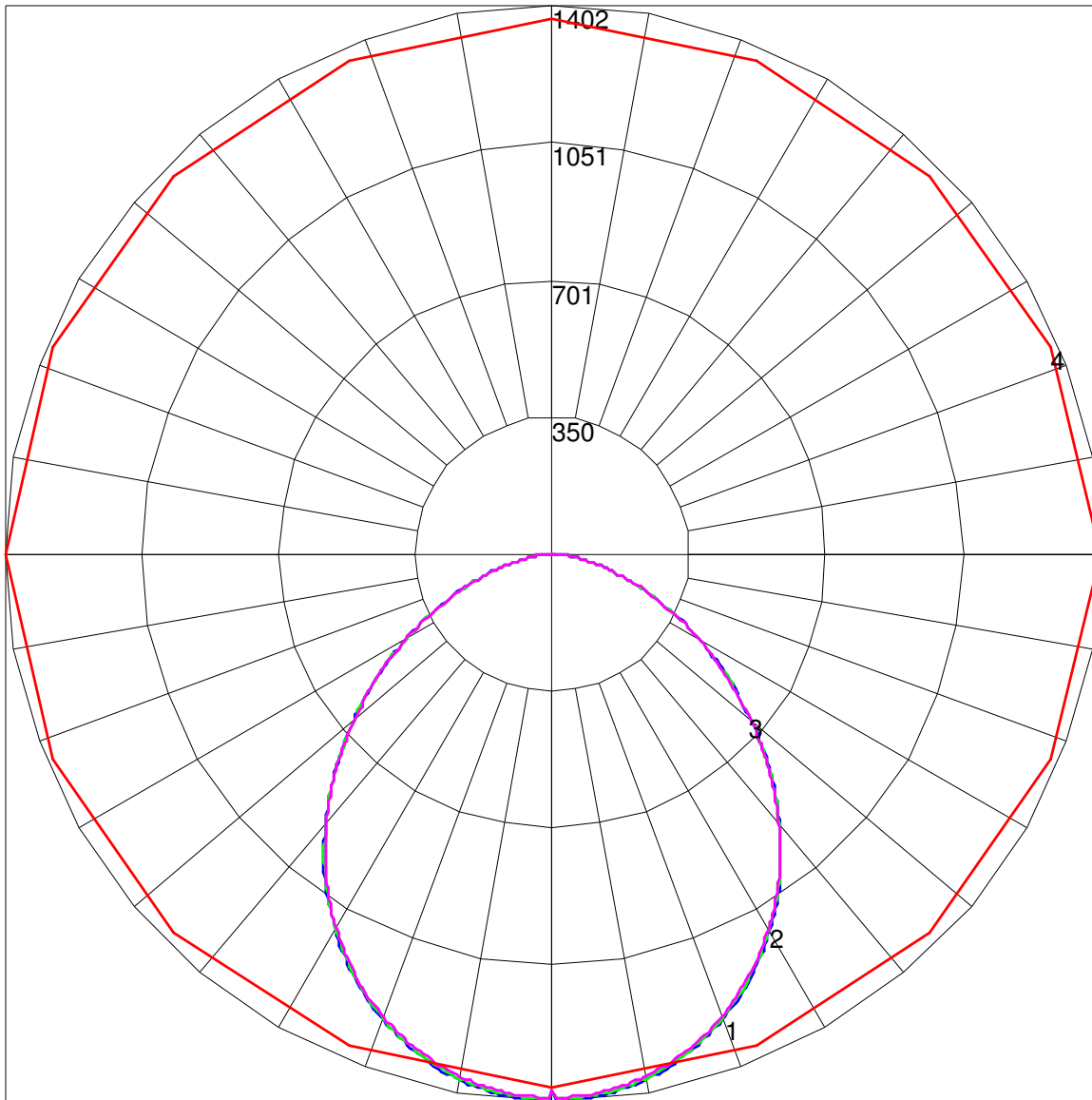
12H	4H	16.4	17.2	16.9	17.6	18.1	16.5	17.2	17.0	17.7	18.2
	6H	16.8	17.4	17.3	17.9	18.4	17.0	17.6	17.5	18.0	18.6
	8H	16.9	17.5	17.4	17.9	18.5	17.1	17.7	17.7	18.2	18.7

Maximum UGR = 18.8

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 1401.536 Located At Horizontal Angle = 0, Vertical Angle = .5

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 (.5) (Through Max. Cd.)