

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA] LM-63-2002

[TEST] GEN from UL #15318387.02

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 8-13-2025

[TEST DATE] 8/8/2025

[MANUFAC] H E WILLIAMS INC

[LUMCAT] MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV

[LUMINAIRE] White 2x2 Architectural Behavioral Health Troffer

[LAMP] 3500k LED

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

[MORE] hod of absolute photometry.

[OTHER] The reported results were measured in a facility that meets th

[MORE] e requirements of ANSI/IES LM-75-19. The device under test emits no de

[MORE] tectable uplight as defined by ANSI/IES LM-75-19.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3910
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	31.76
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.60
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.58 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	4554	5880	7487
55	4247	6276	7974
65	3714	6152	6989
75	2706	4313	3027
85	1016	1020	918

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1195.913	1195.913	1195.913	1195.913	1195.913
0.5	1190.185	1197.088	1198.263	1195.619	1194.298
1.0	1190.038	1196.941	1197.970	1195.473	1194.151
1.5	1190.038	1196.501	1197.676	1195.179	1194.004
2.0	1189.597	1196.207	1197.235	1194.738	1193.416
2.5	1189.010	1195.473	1196.795	1194.298	1193.269
3.0	1187.982	1194.885	1195.913	1193.710	1192.682
3.5	1187.100	1194.151	1195.473	1193.416	1192.682
4.0	1185.925	1193.122	1194.738	1192.388	1191.507
4.5	1184.750	1191.801	1193.416	1191.507	1191.066
5.0	1183.281	1190.772	1192.829	1191.213	1190.625
5.5	1182.106	1189.450	1191.654	1190.479	1189.744
6.0	1180.050	1188.275	1190.332	1189.304	1188.716
6.5	1178.581	1186.513	1189.157	1188.422	1187.982
7.0	1177.112	1184.603	1187.835	1187.835	1187.394
7.5	1175.350	1183.134	1186.366	1186.807	1186.366
8.0	1173.293	1181.372	1184.897	1185.778	1185.631
8.5	1171.531	1179.462	1183.575	1184.603	1184.750
9.0	1169.621	1177.700	1182.106	1183.281	1183.722
9.5	1166.977	1175.497	1180.491	1182.400	1182.841
10.0	1164.627	1173.440	1178.581	1181.225	1181.959
10.5	1162.571	1171.090	1176.819	1179.903	1181.078
11.0	1159.780	1168.593	1175.056	1178.875	1180.050
11.5	1156.843	1166.390	1173.293	1177.553	1179.022
12.0	1154.199	1163.599	1171.090	1176.231	1177.847
12.5	1151.114	1161.249	1169.034	1174.762	1177.112
13.0	1148.030	1158.458	1166.977	1173.147	1175.497
13.5	1145.092	1155.521	1164.480	1171.825	1175.056
14.0	1141.861	1152.142	1162.130	1170.503	1173.734
14.5	1138.042	1148.911	1159.633	1169.034	1172.412
15.0	1134.517	1145.386	1157.136	1167.271	1171.825
15.5	1130.844	1141.420	1154.786	1165.949	1170.650
16.0	1126.438	1137.601	1151.114	1164.187	1169.034
16.5	1122.178	1133.782	1148.177	1162.571	1168.153
17.0	1117.919	1129.816	1145.239	1160.368	1166.977
17.5	1113.366	1125.410	1142.008	1158.605	1165.802
18.0	1108.372	1121.150	1138.776	1156.696	1164.187
18.5	1104.112	1116.744	1135.251	1154.786	1162.718
19.0	1098.677	1112.190	1131.726	1152.583	1161.543
19.5	1094.271	1107.343	1128.494	1150.380	1160.368
20.0	1088.983	1102.643	1124.822	1148.617	1159.486
20.5	1084.430	1098.237	1121.444	1146.855	1158.752
21.0	1079.289	1093.683	1118.213	1145.386	1158.165
21.5	1074.001	1088.983	1114.834	1144.358	1157.871
22.0	1068.420	1083.989	1111.309	1143.329	1157.724
22.5	1064.748	1079.142	1107.931	1142.448	1158.311
23.0	1060.782	1074.295	1104.846	1141.714	1158.752
23.5	1056.228	1069.448	1101.909	1140.979	1159.340
24.0	1053.291	1065.776	1098.677	1140.539	1160.368
24.5	1047.562	1062.691	1095.152	1140.245	1161.837
25.0	1041.981	1059.460	1092.068	1139.951	1162.865
25.5	1036.546	1055.200	1089.130	1139.657	1163.599
26.0	1030.818	1049.913	1086.192	1139.511	1165.362
26.5	1025.236	1044.625	1082.373	1139.364	1166.684

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	1019.508	1039.043	1078.995	1139.217	1168.593
27.5	1013.339	1033.315	1075.617	1139.070	1169.915
28.0	1007.170	1027.586	1072.532	1139.217	1171.531
28.5	1001.001	1022.005	1070.035	1139.364	1173.293
29.0	994.538	1016.277	1066.510	1139.511	1175.790
29.5	987.928	1010.107	1064.454	1139.951	1178.434
30.0	981.466	1003.938	1061.516	1140.245	1180.637
30.5	974.709	997.769	1058.579	1140.539	1183.428
31.0	967.659	991.600	1054.760	1141.273	1189.157
31.5	960.755	985.138	1051.528	1142.154	1195.766
32.0	953.705	978.675	1049.178	1143.183	1202.523
32.5	946.801	972.359	1045.653	1144.651	1208.398
33.0	939.751	965.896	1042.275	1147.002	1215.742
33.5	932.554	959.433	1038.749	1150.674	1222.646
34.0	925.357	952.677	1035.224	1153.905	1227.346
34.5	917.866	945.920	1031.699	1157.283	1231.018
35.0	910.522	939.310	1028.174	1161.249	1234.543
35.5	903.177	932.701	1024.796	1164.921	1237.628
36.0	895.686	925.797	1021.417	1167.712	1240.418
36.5	887.902	919.041	1017.745	1169.621	1243.356
37.0	880.117	911.843	1014.220	1171.090	1246.147
37.5	872.479	904.646	1010.695	1172.706	1247.909
38.0	864.841	897.743	1007.170	1174.028	1249.378
38.5	856.763	890.692	1003.645	1175.203	1250.994
39.0	848.978	883.495	1000.266	1176.084	1252.316
39.5	841.046	876.298	997.035	1176.525	1252.757
40.0	833.262	868.954	993.950	1176.672	1252.610
40.5	825.330	861.610	991.747	1176.672	1252.316
41.0	816.958	854.266	989.691	1176.378	1250.847
41.5	808.879	846.922	987.635	1175.497	1248.791
42.0	800.654	839.577	985.284	1174.028	1246.147
42.5	791.988	832.233	983.669	1171.971	1242.915
43.0	784.056	824.742	981.759	1169.328	1239.390
43.5	775.537	817.251	979.262	1166.243	1235.865
44.0	767.165	809.614	976.031	1163.012	1235.278
44.5	759.233	801.829	972.506	1158.899	1234.837
45.0	750.420	794.191	968.834	1154.052	1233.662
45.5	741.754	786.406	965.162	1148.764	1231.899
46.0	733.088	778.621	961.343	1144.064	1227.493
46.5	724.422	770.690	957.377	1140.098	1221.618
47.0	715.609	762.758	952.970	1135.545	1214.714
47.5	706.649	754.973	948.270	1130.991	1208.986
48.0	697.836	747.042	942.982	1125.410	1201.789
48.5	688.877	738.816	936.960	1118.360	1194.298
49.0	680.064	730.885	930.204	1110.869	1187.100
49.5	670.957	722.366	923.300	1102.937	1179.903
50.0	661.703	714.140	916.544	1094.712	1171.678
50.5	652.450	705.768	909.787	1086.633	1163.599
51.0	643.196	697.396	902.737	1078.555	1155.521
51.5	634.090	688.877	895.833	1070.329	1145.973
52.0	624.836	680.357	888.636	1063.279	1135.838
52.5	615.436	671.985	880.998	1056.963	1125.851
53.0	606.035	663.319	873.360	1048.591	1115.128
53.5	596.341	654.653	865.135	1039.190	1103.231
54.0	586.794	646.281	856.763	1029.349	1090.452
54.5	577.246	637.615	847.950	1019.067	1078.261

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55.0	567.699	628.949	838.843	1008.345	1065.776
55.5	558.005	620.136	829.296	996.447	1051.381
56.0	548.457	611.176	819.748	983.816	1038.015
56.5	538.469	602.363	809.907	970.596	1021.417
57.0	529.069	593.550	799.772	956.642	1004.526
57.5	519.081	584.737	789.785	941.514	987.047
58.0	509.240	575.777	779.943	926.238	969.715
58.5	499.399	566.671	769.515	910.522	951.355
59.0	489.117	557.564	758.646	893.777	931.819
59.5	478.982	548.604	747.629	876.445	911.697
60.0	468.847	539.204	736.613	858.672	892.455
60.5	458.859	529.950	725.450	840.459	872.773
61.0	448.725	520.697	714.140	822.099	852.944
61.5	438.443	511.590	701.949	802.857	832.527
62.0	428.014	502.190	689.758	782.881	811.964
62.5	417.586	492.789	676.979	762.905	791.547
63.0	407.157	483.389	663.613	742.342	771.277
63.5	396.728	473.841	649.512	720.456	749.979
64.0	386.300	464.294	635.412	698.277	730.004
64.5	376.018	454.600	620.870	676.098	709.881
65.0	365.736	444.906	605.888	654.800	688.289
65.5	355.308	435.064	590.319	634.236	666.991
66.0	345.026	424.930	574.162	614.114	646.134
66.5	334.744	414.942	557.417	594.578	625.717
67.0	324.462	404.807	540.820	574.309	605.741
67.5	314.181	394.525	523.634	554.186	585.325
68.0	303.899	384.096	506.302	534.063	564.614
68.5	293.617	373.374	488.676	514.087	543.317
69.0	283.482	362.505	471.197	494.111	518.200
69.5	272.613	351.342	453.425	474.282	493.230
70.0	262.478	340.326	435.652	454.453	468.847
70.5	252.196	329.016	417.732	434.477	444.759
71.0	241.768	317.706	399.960	413.913	418.026
71.5	231.927	305.955	382.187	392.762	389.972
72.0	221.792	294.205	364.267	371.758	364.414
72.5	211.657	282.454	346.788	350.167	337.388
73.0	201.963	270.557	329.456	328.281	307.277
73.5	191.975	259.100	311.977	305.074	275.257
74.0	182.134	247.202	294.498	280.691	243.090
74.5	172.586	235.599	277.460	254.253	211.657
75.0	163.186	223.995	260.128	225.758	182.574
75.5	154.226	211.951	242.796	197.556	157.898
76.0	145.090	199.906	225.905	171.411	139.141
76.5	136.174	187.862	209.307	148.351	125.408
77.0	127.288	175.818	192.269	129.653	113.892
77.5	118.504	163.480	175.083	115.714	103.757
78.0	110.073	151.142	157.164	104.565	94.783
78.5	102.054	139.229	138.833	94.695	86.910
79.0	94.254	127.596	120.737	85.999	79.581
79.5	86.572	116.051	103.890	78.156	72.677
80.0	79.037	104.786	89.201	71.003	66.185
80.5	71.972	93.960	77.186	64.261	60.163
81.0	65.025	83.708	67.713	57.827	54.449
81.5	58.297	73.720	59.605	51.879	49.059
82.0	51.835	64.011	52.496	46.238	44.006
82.5	45.622	55.154	46.150	40.951	39.173

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	39.864	47.208	40.304	35.839	34.532
83.5	34.723	40.099	34.973	31.168	30.199
84.0	29.788	33.724	29.905	26.938	26.072
84.5	24.911	28.010	25.117	23.046	22.179
85.0	20.637	22.870	20.710	19.403	18.639
85.5	16.803	18.257	16.891	16.157	15.540
86.0	13.337	14.336	13.631	13.308	12.779
86.5	10.340	11.060	10.781	10.531	10.017
87.0	7.843	8.358	8.299	7.785	7.021
87.5	5.817	6.228	6.140	5.361	4.597
88.0	4.289	4.539	4.289	3.569	3.114
88.5	3.099	3.129	2.776	2.262	2.100
89.0	1.909	1.807	1.557	1.234	1.175
89.5	0.485	0.852	0.808	0.661	0.632
90.0	0.000	0.000	0.000	0.000	0.000
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 : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.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 : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.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 : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	439.50	N.A.	11.20
0-30	946.96	N.A.	24.20
0-40	1605.03	N.A.	41.00
0-60	3089.23	N.A.	79.00
0-80	3879.97	N.A.	99.20
0-90	3910.24	N.A.	100.00
10-90	3797.06	N.A.	97.10
20-40	1165.53	N.A.	29.80
20-50	1918.22	N.A.	49.10
40-70	2034.48	N.A.	52.00
60-80	790.74	N.A.	20.20
70-80	240.46	N.A.	6.10
80-90	30.27	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3910.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.18
10-20	326.32
20-30	507.46
30-40	658.07
40-50	752.69
50-60	731.51
60-70	550.28
70-80	240.46
80-90	30.27
90-100	0.00
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 : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.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	139	139	139	139	135	135	135	135	129	129	129	124	124	124	119	119	119	116
1	127	121	116	112	124	119	114	110	114	110	107	109	106	103	105	103	100	98
2	115	105	97	91	112	103	96	89	99	93	87	95	90	85	92	87	83	81
3	104	92	82	74	101	90	81	74	87	79	72	83	77	71	80	75	70	67
4	95	81	70	62	92	79	70	62	76	68	61	74	66	60	71	65	59	57
5	87	72	61	53	85	70	60	53	68	59	52	66	58	52	63	57	51	49
6	80	64	54	46	78	63	53	46	61	52	45	59	51	45	57	50	44	42
7	74	58	48	40	72	57	47	40	55	46	40	53	45	39	52	45	39	37
8	69	53	43	36	67	52	42	35	50	41	35	49	41	35	47	40	35	32
9	64	48	38	32	62	47	38	32	46	37	31	45	37	31	44	36	31	29
10	60	44	35	29	58	44	35	29	42	34	28	41	34	28	40	33	28	26

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L68-835-(L40)-CS-SCPC-DIM-UNV_.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

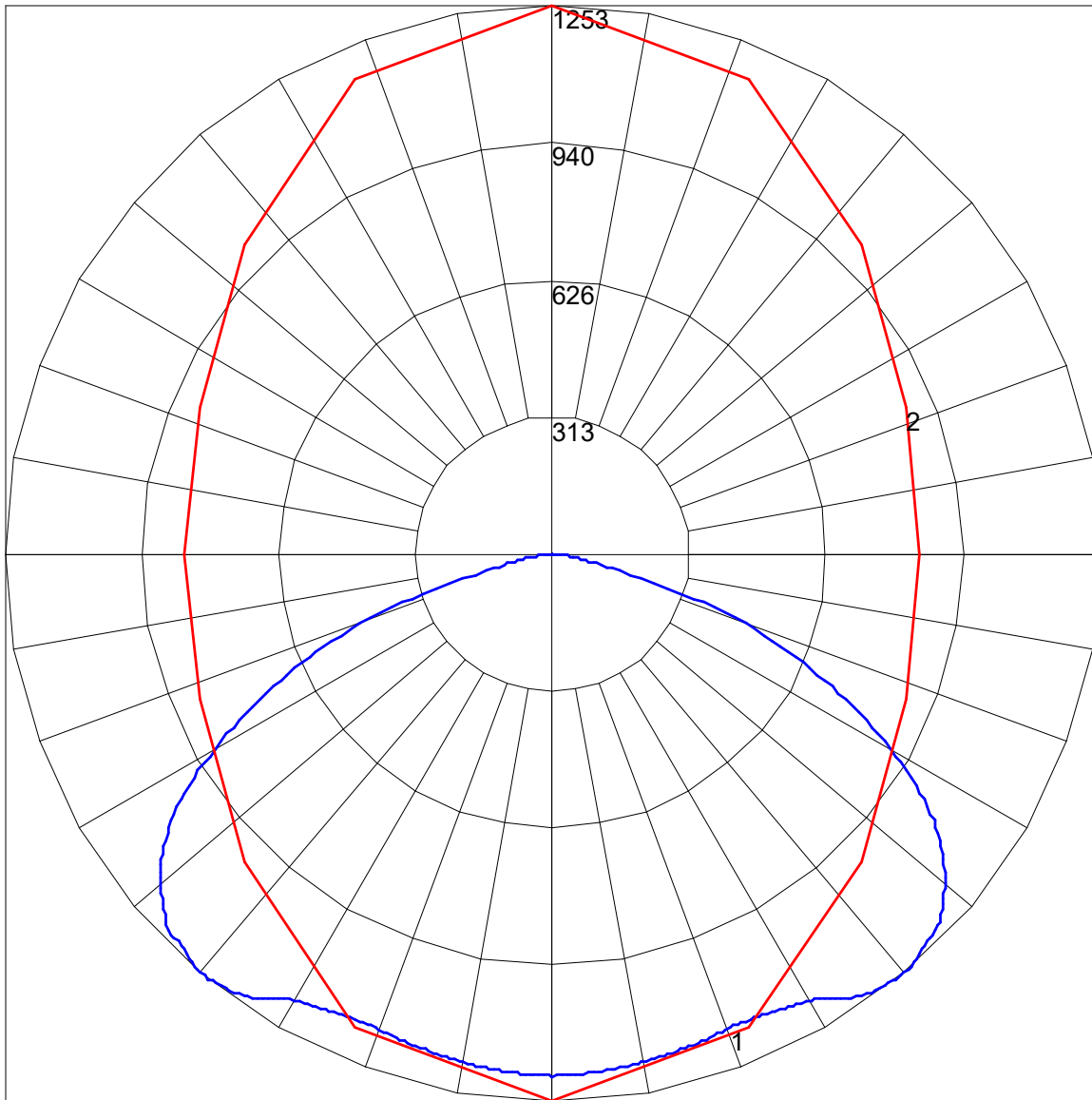
X=2H	Y=2H	16.4	18.1	16.8	18.4	18.7	19.9	21.6	20.3	21.9	22.3
	3H	18.1	19.6	18.5	19.9	20.3	21.5	23.0	21.8	23.3	23.7
	4H	18.6	20.0	19.0	20.3	20.7	21.7	23.2	22.1	23.5	23.9
	6H	18.8	20.1	19.2	20.5	20.9	21.7	23.1	22.2	23.4	23.8
	8H	18.9	20.1	19.3	20.5	20.9	21.7	23.0	22.2	23.4	23.8
	12H	18.9	20.1	19.3	20.5	20.9	21.7	22.9	22.2	23.3	23.7

UGR Viewed Endwise

4H	2H	17.8	19.2	18.2	19.6	19.9	20.4	21.8	20.8	22.2	22.6
	3H	19.6	20.7	20.0	21.1	21.5	22.1	23.3	22.5	23.7	24.1
	4H	20.1	21.2	20.5	21.6	22.0	22.4	23.5	22.9	23.9	24.4
	6H	20.4	21.4	20.9	21.8	22.3	22.5	23.4	23.0	23.9	24.3
	8H	20.5	21.3	20.9	21.8	22.3	22.5	23.4	23.0	23.8	24.3
	12H	20.5	21.3	21.0	21.7	22.2	22.5	23.3	23.0	23.8	24.2
8H	4H	20.5	21.4	20.9	21.8	22.3	22.6	23.4	23.0	23.9	24.4
	6H	20.8	21.6	21.3	22.1	22.5	22.7	23.4	23.1	23.9	24.3
	8H	20.9	21.6	21.4	22.1	22.6	22.7	23.3	23.2	23.8	24.3
	12H	21.0	21.5	21.5	22.0	22.6	22.7	23.2	23.2	23.7	24.3
12H	4H	20.5	21.3	21.0	21.7	22.2	22.6	23.4	23.0	23.8	24.3
	6H	20.9	21.5	21.4	22.0	22.5	22.7	23.3	23.2	23.8	24.3
	8H	21.0	21.5	21.5	22.0	22.6	22.7	23.2	23.2	23.7	24.3

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 1252.757 Located At Horizontal Angle = 90, Vertical Angle = 39.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (39.5) (Through Max. Cd.)