

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-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] 7/9/2024

[TEST DATE] 8-14-2025

[MANUFAC] H E WILLIAMS INC

[LUMCAT] MCTABX-22-L34-835-(L20)-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	1996
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	15.88
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	2325	3002	3822
55	2168	3204	4071
65	1896	3141	3568
75	1381	2202	1545
85	519	521	469

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-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	610.497	610.497	610.497	610.497	610.497
0.5	607.573	611.097	611.697	610.347	609.672
1.0	607.498	611.022	611.547	610.272	609.597
1.5	607.498	610.797	611.397	610.122	609.522
2.0	607.273	610.647	611.172	609.897	609.222
2.5	606.973	610.272	610.947	609.672	609.147
3.0	606.448	609.972	610.497	609.372	608.847
3.5	605.998	609.597	610.272	609.222	608.847
4.0	605.398	609.072	609.897	608.698	608.248
4.5	604.798	608.398	609.222	608.248	608.023
5.0	604.049	607.873	608.922	608.098	607.798
5.5	603.449	607.198	608.323	607.723	607.348
6.0	602.399	606.598	607.648	607.123	606.823
6.5	601.649	605.698	607.048	606.673	606.448
7.0	600.900	604.724	606.373	606.373	606.148
7.5	600.000	603.974	605.623	605.848	605.623
8.0	598.950	603.074	604.873	605.323	605.248
8.5	598.050	602.099	604.199	604.724	604.798
9.0	597.075	601.199	603.449	604.049	604.274
9.5	595.726	600.075	602.624	603.599	603.824
10.0	594.526	599.025	601.649	602.999	603.374
10.5	593.476	597.825	600.750	602.324	602.924
11.0	592.052	596.551	599.850	601.799	602.399
11.5	590.552	595.426	598.950	601.124	601.874
12.0	589.202	594.001	597.825	600.450	601.274
12.5	587.628	592.801	596.776	599.700	600.900
13.0	586.053	591.377	595.726	598.875	600.075
13.5	584.554	589.877	594.451	598.200	599.850
14.0	582.904	588.153	593.251	597.525	599.175
14.5	580.954	586.503	591.977	596.776	598.500
15.0	579.155	584.704	590.702	595.876	598.200
15.5	577.280	582.679	589.502	595.201	597.600
16.0	575.031	580.730	587.628	594.301	596.776
16.5	572.857	578.780	586.128	593.476	596.326
17.0	570.682	576.756	584.629	592.352	595.726
17.5	568.358	574.506	582.979	591.452	595.126
18.0	565.808	572.332	581.329	590.477	594.301
18.5	563.634	570.082	579.530	589.502	593.551
19.0	560.860	567.758	577.730	588.378	592.951
19.5	558.610	565.283	576.081	587.253	592.352
20.0	555.911	562.884	574.206	586.353	591.902
20.5	553.586	560.635	572.482	585.453	591.527
21.0	550.962	558.310	570.832	584.704	591.227
21.5	548.263	555.911	569.107	584.179	591.077
22.0	545.413	553.361	567.308	583.654	591.002
22.5	543.539	550.887	565.583	583.204	591.302
23.0	541.514	548.413	564.009	582.829	591.527
23.5	539.190	545.938	562.509	582.454	591.827
24.0	537.690	544.064	560.860	582.229	592.352
24.5	534.766	542.489	559.060	582.079	593.101
25.0	531.917	540.840	557.485	581.929	593.626
25.5	529.142	538.665	555.986	581.779	594.001
26.0	526.218	535.966	554.486	581.704	594.901
26.5	523.369	533.266	552.537	581.629	595.576

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	520.445	530.417	550.812	581.554	596.551
27.5	517.295	527.493	549.087	581.479	597.225
28.0	514.146	524.569	547.513	581.554	598.050
28.5	510.997	521.719	546.238	581.629	598.950
29.0	507.698	518.795	544.439	581.704	600.225
29.5	504.324	515.646	543.389	581.929	601.574
30.0	501.025	512.497	541.889	582.079	602.699
30.5	497.575	509.347	540.390	582.229	604.124
31.0	493.976	506.198	538.440	582.604	607.048
31.5	490.452	502.899	536.791	583.054	610.422
32.0	486.853	499.600	535.591	583.579	613.871
32.5	483.329	496.376	533.791	584.329	616.870
33.0	479.730	493.076	532.067	585.528	620.620
33.5	476.056	489.777	530.267	587.403	624.144
34.0	472.382	486.328	528.468	589.052	626.543
34.5	468.558	482.879	526.668	590.777	628.418
35.0	464.809	479.505	524.869	592.801	630.217
35.5	461.060	476.131	523.144	594.676	631.792
36.0	457.235	472.607	521.419	596.101	633.216
36.5	453.261	469.157	519.545	597.075	634.716
37.0	449.287	465.483	517.745	597.825	636.141
37.5	445.388	461.809	515.946	598.650	637.040
38.0	441.489	458.285	514.146	599.325	637.790
38.5	437.365	454.686	512.347	599.925	638.615
39.0	433.391	451.012	510.622	600.375	639.290
39.5	429.342	447.338	508.973	600.600	639.515
40.0	425.368	443.589	507.398	600.675	639.440
40.5	421.319	439.840	506.273	600.675	639.290
41.0	417.046	436.091	505.223	600.525	638.540
41.5	412.922	432.342	504.174	600.075	637.490
42.0	408.723	428.593	502.974	599.325	636.141
42.5	404.299	424.844	502.149	598.275	634.491
43.0	400.250	421.020	501.174	596.925	632.692
43.5	395.901	417.196	499.900	595.351	630.892
44.0	391.627	413.296	498.250	593.701	630.592
44.5	387.578	409.322	496.451	591.602	630.367
45.0	383.079	405.423	494.576	589.127	629.767
45.5	378.655	401.449	492.702	586.428	628.867
46.0	374.231	397.475	490.752	584.029	626.618
46.5	369.807	393.426	488.728	582.004	623.619
47.0	365.309	389.377	486.478	579.680	620.095
47.5	360.735	385.403	484.079	577.355	617.170
48.0	356.236	381.354	481.379	574.506	613.496
48.5	351.662	377.156	478.305	570.907	609.672
49.0	347.163	373.107	474.856	567.083	605.998
49.5	342.514	368.758	471.332	563.034	602.324
50.0	337.790	364.559	467.883	558.835	598.125
50.5	333.067	360.285	464.434	554.711	594.001
51.0	328.343	356.011	460.835	550.587	589.877
51.5	323.694	351.662	457.310	546.388	585.003
52.0	318.970	347.313	453.636	542.789	579.830
52.5	314.171	343.039	449.737	539.565	574.731
53.0	309.373	338.615	445.838	535.291	569.257
53.5	304.424	334.191	441.639	530.492	563.184
54.0	299.550	329.917	437.365	525.468	556.661
54.5	294.676	325.493	432.867	520.220	550.437

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

55.0	289.802	321.070	428.218	514.746	544.064
55.5	284.854	316.571	423.344	508.673	536.716
56.0	279.980	311.997	418.470	502.224	529.892
56.5	274.881	307.498	413.446	495.476	521.419
57.0	270.082	302.999	408.273	488.353	512.797
57.5	264.984	298.500	403.174	480.630	503.874
58.0	259.960	293.926	398.150	472.832	495.026
58.5	254.936	289.278	392.827	464.809	485.653
59.0	249.687	284.629	387.278	456.261	475.681
59.5	244.514	280.055	381.654	447.413	465.408
60.0	239.340	275.256	376.031	438.340	455.586
60.5	234.241	270.532	370.332	429.043	445.538
61.0	229.068	265.808	364.559	419.670	435.416
61.5	223.819	261.160	358.335	409.847	424.994
62.0	218.495	256.361	352.112	399.650	414.496
62.5	213.172	251.562	345.588	389.452	404.074
63.0	207.848	246.763	338.765	378.955	393.726
63.5	202.524	241.889	331.567	367.783	382.854
64.0	197.201	237.016	324.369	356.461	372.657
64.5	191.952	232.067	316.946	345.139	362.384
65.0	186.703	227.118	309.298	334.266	351.362
65.5	181.380	222.094	301.350	323.769	340.490
66.0	176.131	216.921	293.102	313.496	329.842
66.5	170.882	211.822	284.554	303.524	319.420
67.0	165.634	206.648	276.081	293.177	309.223
67.5	160.385	201.400	267.308	282.904	298.800
68.0	155.136	196.076	258.460	272.632	288.228
68.5	149.887	190.602	249.463	262.434	277.356
69.0	144.714	185.054	240.540	252.237	264.534
69.5	139.165	179.355	231.467	242.114	251.787
70.0	133.991	173.731	222.394	231.992	239.340
70.5	128.743	167.958	213.247	221.794	227.043
71.0	123.419	162.184	204.174	211.297	213.397
71.5	118.395	156.186	195.101	200.500	199.075
72.0	113.222	150.187	185.953	189.777	186.028
72.5	108.048	144.189	177.031	178.755	172.232
73.0	103.099	138.115	168.183	167.583	156.861
73.5	98.000	132.267	159.260	155.736	140.515
74.0	92.977	126.193	150.337	143.289	124.094
74.5	88.103	120.270	141.640	129.792	108.048
75.0	83.304	114.346	132.792	115.246	93.202
75.5	78.730	108.198	123.944	100.850	80.605
76.0	74.066	102.049	115.321	87.503	71.030
76.5	69.515	95.901	106.848	75.731	64.019
77.0	64.979	89.753	98.150	66.186	58.140
77.5	60.495	83.454	89.378	59.070	52.967
78.0	56.191	77.156	80.230	53.379	48.385
78.5	52.097	71.075	70.872	48.340	44.366
79.0	48.115	65.136	61.635	43.902	40.625
79.5	44.194	59.243	53.034	39.898	37.101
80.0	40.347	53.492	45.536	36.246	33.787
80.5	36.741	47.965	39.403	32.804	30.712
81.0	33.194	42.732	34.566	29.520	27.796
81.5	29.760	37.633	30.427	26.483	25.044
82.0	26.461	32.677	26.798	23.604	22.464
82.5	23.289	28.155	23.559	20.905	19.997

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

83.0	20.350	24.099	20.575	18.295	17.628
83.5	17.726	20.470	17.853	15.911	15.416
84.0	15.206	17.216	15.266	13.752	13.309
84.5	12.717	14.299	12.822	11.765	11.322
85.0	10.535	11.675	10.572	9.905	9.515
85.5	8.578	9.320	8.623	8.248	7.933
86.0	6.808	7.318	6.958	6.793	6.523
86.5	5.279	5.646	5.504	5.376	5.114
87.0	4.004	4.266	4.236	3.974	3.584
87.5	2.969	3.179	3.134	2.737	2.347
88.0	2.189	2.317	2.189	1.822	1.590
88.5	1.582	1.597	1.417	1.155	1.072
89.0	0.975	0.922	0.795	0.630	0.600
89.5	0.247	0.435	0.412	0.337	0.322
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES****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 : MCTABX-22-L34-835-(L20)-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-L34-835-(L20)-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-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	224.36	N.A.	11.20
0-30	483.41	N.A.	24.20
0-40	819.35	N.A.	41.00
0-60	1577.01	N.A.	79.00
0-80	1980.67	N.A.	99.20
0-90	1996.12	N.A.	100.00
10-90	1938.35	N.A.	97.10
20-40	594.99	N.A.	29.80
20-50	979.23	N.A.	49.10
40-70	1038.58	N.A.	52.00
60-80	403.66	N.A.	20.20
70-80	122.75	N.A.	6.10
80-90	15.45	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	1996.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	57.78
10-20	166.58
20-30	259.05
30-40	335.94
40-50	384.24
50-60	373.42
60-70	280.91
70-80	122.75
80-90	15.45
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-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	71	71	71	71	69	69	69	69	66	66	66	63	63	63	61	61	61	59
1	65	62	59	57	63	61	58	56	58	56	54	56	54	53	54	52	51	50
2	59	54	50	46	57	53	49	46	51	47	45	49	46	44	47	45	43	41
3	53	47	42	38	52	46	41	38	44	40	37	43	39	36	41	38	36	34
4	49	41	36	32	47	40	35	32	39	35	31	38	34	31	36	33	30	29
5	44	37	31	27	43	36	31	27	35	30	27	34	30	26	32	29	26	25
6	41	33	27	23	40	32	27	23	31	27	23	30	26	23	29	26	23	21
7	38	30	24	21	37	29	24	20	28	24	20	27	23	20	26	23	20	19
8	35	27	22	18	34	26	22	18	26	21	18	25	21	18	24	20	18	17
9	33	25	20	16	32	24	19	16	24	19	16	23	19	16	22	19	16	15
10	31	23	18	15	30	22	18	15	22	17	14	21	17	14	21	17	14	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-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

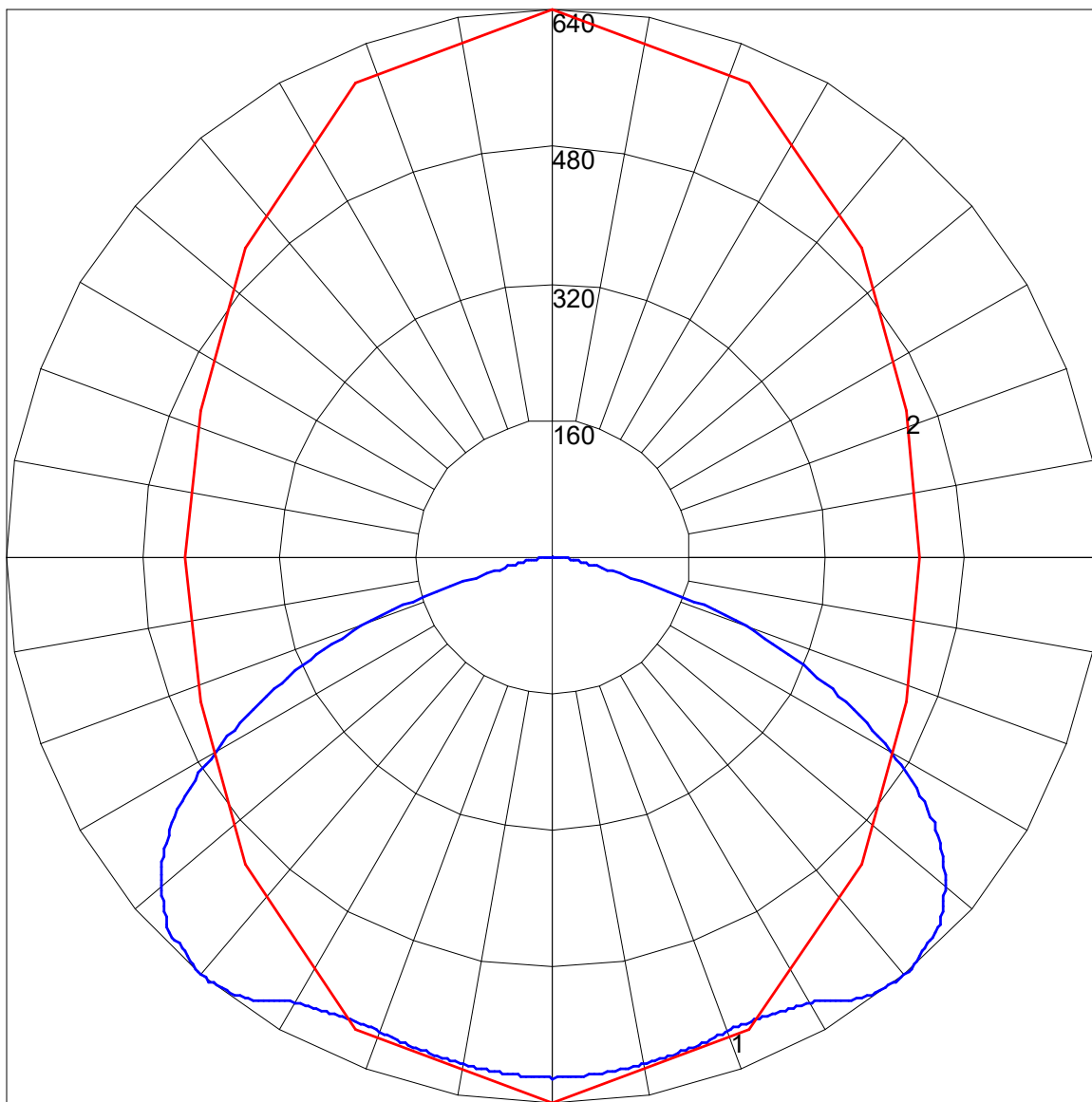
4H	2H	17.8	19.2	18.2	19.6	19.9	20.4	21.8	20.8	22.2	22.6
	3H	19.6	20.7	20.0	21.1	21.5	22.1	23.3	22.5	23.7	24.1
	4H	20.1	21.2	20.5	21.6	22.0	22.4	23.5	22.9	23.9	24.4
	6H	20.4	21.4	20.9	21.8	22.3	22.5	23.4	23.0	23.9	24.3
	8H	20.5	21.3	20.9	21.8	22.3	22.5	23.4	23.0	23.8	24.3
	12H	20.5	21.3	21.0	21.7	22.2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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTABX-22-L34-835-(L20)-CS-SCPC-DIM-UNV_.IES

POLAR GRAPH



Maximum Candela = 639.515 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.)