



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15282383.03

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 7/8/2024

[TEST DATE] 5/8/2024

[MANUFAC] H E WILLIAMS INC

[LUMCAT] MCTMBAERNx-22-L27/840-CS-SSCA-DIM-UNV READING ONLY

[LUMINAIRE] White 2x2 multi-function over-bed medical fixture

[LAMP] 48 LEDs

[BALLAST] OSRAM OTI

[OTHER] 25 C, 120.062 V, 0.165763 A, 19.7451 W, 0.992128 PF, 59.9699 H

[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	1425
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	12.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
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)	1.58 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2134	2070	2119
55	1851	1758	1689
65	1513	1337	1166
75	1112	803	678
85	636	358	277

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.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	628.065	628.065	628.065	628.065	628.065
0.5	644.298	625.303	619.106	629.883	631.433
1.0	644.231	625.236	618.904	629.547	631.365
1.5	643.962	625.033	618.702	629.547	631.231
2.0	643.827	624.764	618.432	629.210	631.028
2.5	643.423	624.360	618.163	628.940	630.759
3.0	642.951	623.956	617.624	628.604	630.288
3.5	642.278	623.484	617.018	628.199	629.816
4.0	641.671	622.743	616.277	627.593	629.277
4.5	640.930	622.070	615.670	626.987	628.469
5.0	639.920	621.261	614.997	626.179	627.930
5.5	638.775	620.453	614.256	625.438	627.189
6.0	637.495	619.510	613.448	624.764	626.583
6.5	636.283	618.500	612.437	623.888	625.640
7.0	635.003	617.354	611.427	622.811	624.697
7.5	633.521	616.209	610.416	621.598	623.686
8.0	631.972	614.929	609.339	620.386	622.743
8.5	630.153	613.515	607.991	619.173	621.463
9.0	628.536	612.100	606.712	617.893	620.251
9.5	626.920	610.618	605.162	616.546	618.769
10.0	625.101	609.069	603.680	615.132	617.422
10.5	623.147	607.452	602.131	613.650	616.075
11.0	621.396	605.566	600.514	612.168	614.458
11.5	619.510	603.680	598.830	610.618	612.774
12.0	617.354	601.862	597.079	608.800	611.023
12.5	615.468	599.908	595.395	607.048	609.339
13.0	613.380	597.820	593.442	605.230	607.655
13.5	611.157	595.732	591.488	603.344	605.903
14.0	608.665	593.442	589.602	601.457	603.950
14.5	606.173	591.084	587.312	599.235	601.996
15.0	603.680	588.592	585.156	597.012	599.976
15.5	601.323	586.099	582.866	594.924	597.820
16.0	598.628	583.607	580.441	592.566	595.664
16.5	596.405	580.913	577.949	590.410	593.374
17.0	593.374	578.151	575.389	588.053	590.949
17.5	590.478	575.322	572.493	585.493	588.592
18.0	587.783	572.291	569.798	583.001	586.099
18.5	584.887	569.394	566.902	580.306	583.540
19.0	581.923	566.430	563.938	577.612	581.249
19.5	579.027	563.264	560.907	574.716	578.622
20.0	575.726	559.964	557.943	571.954	575.861
20.5	572.291	556.865	555.046	568.923	573.099
21.0	568.855	553.969	551.813	565.824	570.135
21.5	565.352	550.601	548.580	562.860	567.239
22.0	561.850	547.165	545.279	559.560	564.275
22.5	559.223	543.932	542.248	556.326	561.109
23.0	555.855	540.766	539.149	553.093	557.876
23.5	552.015	537.129	535.647	549.860	554.440
24.0	548.310	533.356	532.211	546.424	551.140
24.5	544.471	529.584	528.911	542.787	547.637
25.0	540.564	525.745	525.273	539.149	543.865
25.5	536.657	521.771	521.568	535.445	540.227
26.0	532.413	517.864	517.662	531.605	536.590
26.5	528.372	513.889	513.822	527.766	532.616

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES****CANDELA TABULATION - (Cont.)**

27.0	524.196	509.780	509.915	524.330	528.776
27.5	519.817	505.672	505.941	520.491	524.734
28.0	515.439	501.428	501.899	516.449	520.693
28.5	510.993	497.319	497.790	512.610	516.449
29.0	506.480	493.008	493.681	508.905	512.205
29.5	501.899	488.697	489.438	504.459	507.827
30.0	497.454	484.386	485.127	500.148	503.583
30.5	493.008	480.007	480.883	495.837	499.407
31.0	488.495	475.898	476.639	491.391	496.106
31.5	484.049	471.453	472.261	486.811	491.795
32.0	479.468	467.007	467.748	482.298	487.282
32.5	474.888	462.561	463.235	477.717	482.702
33.0	470.375	458.115	458.722	473.069	477.987
33.5	465.794	453.535	454.276	468.354	474.686
34.0	461.012	449.089	449.695	463.774	469.701
34.5	456.229	444.509	445.048	459.463	464.919
35.0	451.447	439.726	440.332	454.680	460.069
35.5	446.597	435.146	435.752	449.695	455.017
36.0	441.680	430.430	431.710	444.643	450.100
36.5	436.695	425.715	426.860	440.265	444.980
37.0	431.508	421.000	421.876	435.280	439.659
37.5	426.524	416.150	416.958	430.296	434.539
38.0	421.539	411.300	412.580	425.109	429.285
38.5	416.554	406.383	407.865	419.922	423.896
39.0	411.300	401.802	402.880	414.803	418.440
39.5	406.450	397.222	398.030	409.481	413.052
40.0	401.196	392.776	392.911	403.958	407.461
40.5	396.144	387.859	387.994	398.502	401.937
41.0	391.227	382.874	382.874	393.046	396.346
41.5	387.387	377.957	377.822	387.657	390.553
42.0	382.537	372.972	372.636	382.133	384.760
42.5	377.553	367.988	367.516	376.408	379.035
43.0	372.501	363.003	362.262	370.749	373.040
43.5	367.314	357.951	356.941	365.091	367.247
44.0	362.060	352.899	351.754	359.231	361.184
44.5	356.873	347.780	346.500	353.438	355.189
45.0	351.552	342.660	341.111	347.645	349.127
45.5	346.365	337.743	335.992	341.852	343.132
46.0	341.111	332.691	330.805	336.059	337.002
46.5	335.857	327.706	325.618	330.131	330.805
47.0	330.603	322.722	320.432	324.136	324.675
47.5	325.416	317.737	315.043	318.209	318.343
48.0	320.162	312.685	309.721	312.281	312.012
48.5	314.841	307.633	304.467	306.353	305.814
49.0	309.519	302.648	299.146	300.358	299.685
49.5	304.265	297.462	293.757	294.363	293.420
50.0	299.078	292.410	288.368	288.301	287.156
50.5	293.757	287.358	283.114	282.306	280.891
51.0	288.638	282.306	277.793	276.445	274.829
51.5	283.316	277.254	272.336	270.518	268.632
52.0	278.197	272.269	267.015	264.590	262.435
52.5	273.010	267.217	261.626	258.662	256.237
53.0	267.891	262.232	256.237	252.667	250.108
53.5	262.704	257.113	250.849	246.807	243.978
54.0	257.585	251.994	245.527	240.947	237.916
54.5	252.465	246.942	240.273	234.952	231.920

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55.0	247.346	241.890	235.019	229.024	225.791
55.5	242.227	236.770	229.765	223.096	219.526
56.0	237.040	231.786	224.511	217.169	213.464
56.5	231.920	226.734	219.257	211.308	207.536
57.0	226.936	221.749	213.935	205.515	201.541
57.5	221.884	216.764	208.614	199.655	195.546
58.0	216.832	211.780	203.292	193.862	189.686
58.5	211.780	206.795	197.904	188.136	183.960
59.0	206.795	201.743	192.650	182.344	178.235
59.5	201.945	196.759	187.396	176.618	172.576
60.0	197.028	191.841	182.141	171.094	166.918
60.5	192.111	187.059	176.955	165.571	161.597
61.0	187.261	182.141	171.835	160.182	156.140
61.5	182.411	177.292	166.649	154.861	150.684
62.0	177.628	172.509	161.529	149.607	145.296
62.5	172.711	167.659	156.477	144.420	139.974
63.0	167.928	162.809	151.425	139.300	134.922
63.5	163.281	158.027	146.441	134.248	129.803
64.0	158.431	153.244	141.523	129.264	124.683
64.5	153.716	148.529	136.606	124.279	119.631
65.0	149.000	143.746	131.689	119.429	114.781
65.5	144.285	139.098	126.839	114.512	109.932
66.0	139.705	134.383	122.056	109.729	105.082
66.5	135.192	129.870	117.274	105.014	100.299
67.0	130.611	125.424	112.626	100.366	95.584
67.5	126.031	120.979	108.045	95.786	91.003
68.0	121.585	116.533	103.465	91.340	86.423
68.5	117.139	112.154	98.952	86.894	81.910
69.0	112.828	107.776	94.573	82.516	77.599
69.5	108.719	103.532	90.262	78.272	73.557
70.0	104.543	99.356	85.951	74.163	69.718
70.5	100.434	95.247	81.775	70.122	65.925
71.0	96.460	91.138	77.733	66.208	62.295
71.5	92.485	87.164	73.759	62.537	59.095
72.0	88.646	83.257	69.920	59.021	56.091
72.5	84.874	79.417	66.094	55.666	53.228
73.0	81.101	75.578	62.362	52.480	50.466
73.5	77.397	71.940	58.711	49.483	47.873
74.0	73.894	68.236	55.175	46.674	45.455
74.5	70.391	64.753	51.759	44.074	43.077
75.0	67.043	61.325	48.445	41.575	40.861
75.5	63.696	57.943	45.252	39.156	38.739
76.0	60.422	54.636	42.208	36.873	36.684
76.5	57.155	51.301	39.257	34.690	34.764
77.0	53.996	48.109	36.401	32.602	32.899
77.5	50.769	45.010	33.774	30.575	31.073
78.0	47.711	41.979	31.242	28.662	29.342
78.5	44.741	39.028	28.938	26.803	27.645
79.0	41.837	36.199	26.816	24.991	25.961
79.5	38.995	33.404	24.755	23.280	24.283
80.0	36.213	30.810	22.788	21.569	22.626
80.5	33.397	28.183	20.976	19.918	20.909
81.0	30.763	25.718	19.211	18.268	19.103
81.5	28.264	23.360	17.480	16.618	17.224
82.0	25.812	21.097	15.843	14.967	15.149
82.5	23.360	18.935	14.267	13.337	13.095

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES****CANDELA TABULATION - (Cont.)**

83.0	21.090	16.901	12.798	11.626	11.209
83.5	18.928	14.914	11.418	9.949	9.457
84.0	16.874	13.061	10.057	8.433	8.002
84.5	14.873	11.418	8.656	7.133	6.763
85.0	12.913	9.915	7.261	6.015	5.625
85.5	11.020	8.481	5.955	5.012	4.594
86.0	9.302	7.201	4.877	4.129	3.685
86.5	7.699	5.982	3.968	3.341	2.917
87.0	6.197	4.884	3.206	2.681	2.277
87.5	4.769	3.887	2.587	2.122	1.772
88.0	3.577	3.092	2.054	1.650	1.381
88.5	2.775	2.459	1.603	1.226	1.004
89.0	2.209	1.947	1.044	0.768	0.640
89.5	1.165	1.212	0.579	0.418	0.384
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 : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING 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 : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING 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 : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	226.28	N.A.	15.90
0-30	471.38	N.A.	33.10
0-40	750.92	N.A.	52.70
0-60	1227.61	N.A.	86.10
0-80	1414.31	N.A.	99.20
0-90	1425.13	N.A.	100.00
10-90	1365.93	N.A.	95.80
20-40	524.64	N.A.	36.80
20-50	790.79	N.A.	55.50
40-70	607.57	N.A.	42.60
60-80	186.70	N.A.	13.10
70-80	55.82	N.A.	3.90
80-90	10.82	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	1425.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.20
10-20	167.08
20-30	245.10
30-40	279.53
40-50	266.15
50-60	210.54
60-70	130.88
70-80	55.82
80-90	10.82
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 : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING 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	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87
2	101	94	88	82	99	92	86	81	88	84	80	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	74	66	60	83	73	66	60	71	64	59	68	63	58	66	61	57	55
5	79	67	59	52	77	66	58	52	64	57	52	62	56	51	60	55	50	48
6	73	61	52	46	71	60	52	46	58	51	46	56	50	45	55	49	45	43
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38
8	64	51	43	37	62	50	42	37	49	42	37	47	41	36	46	41	36	34
9	59	47	39	33	58	46	38	33	45	38	33	44	38	33	43	37	33	31
10	56	43	36	30	55	43	35	30	42	35	30	41	35	30	40	34	30	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING 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

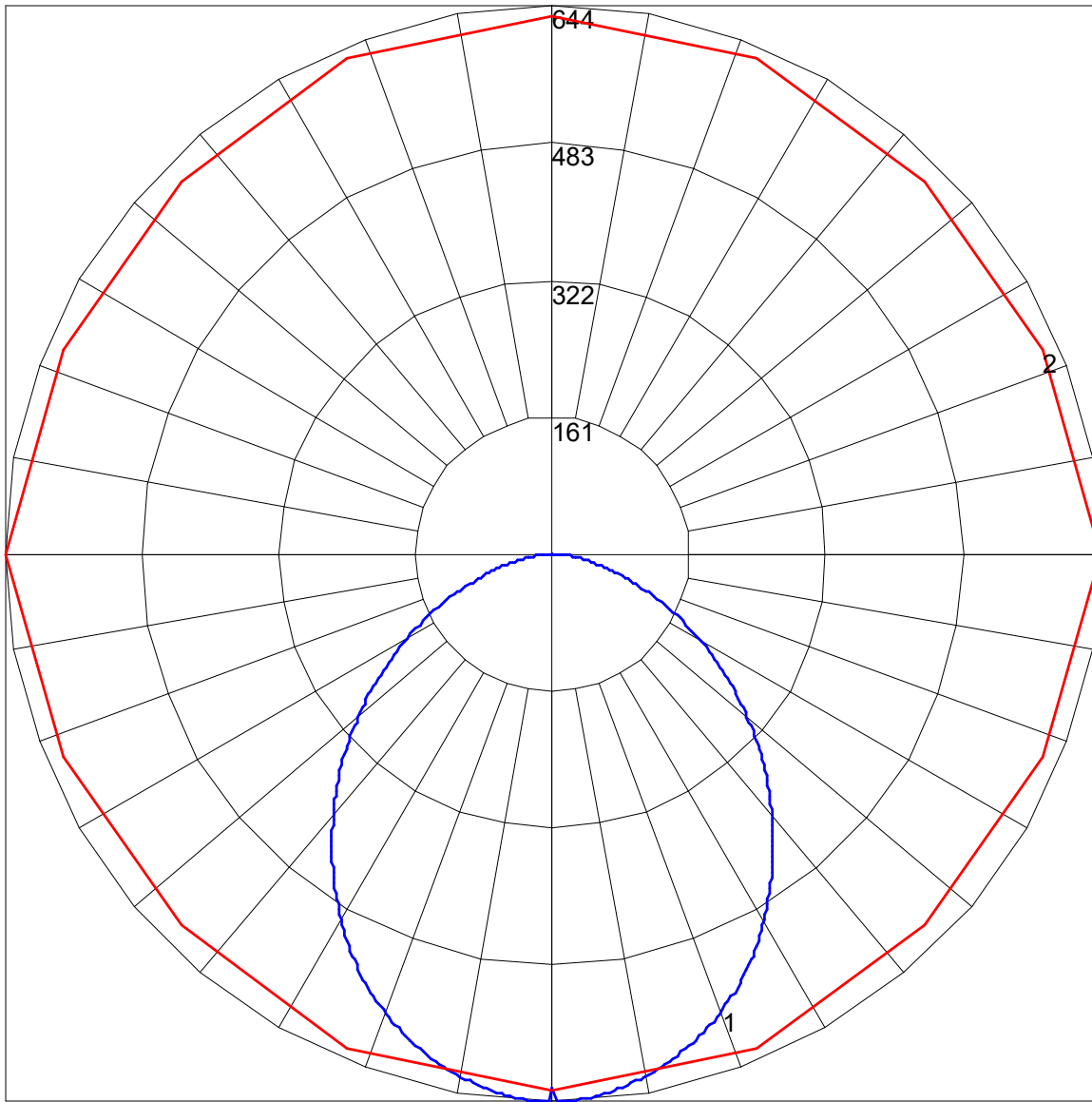
X=2H	Y=2H	13.9	15.4	14.3	15.7	16.1	UGR Viewed Endwise	13.3	14.8	13.6	15.1	15.4
	3H	15.3	16.6	15.7	17.0	17.3		14.2	15.6	14.6	15.9	16.2
	4H	15.7	17.0	16.1	17.3	17.7		14.4	15.7	14.8	16.0	16.4
	6H	16.0	17.2	16.4	17.5	17.9		14.5	15.7	15.0	16.1	16.5
	8H	16.0	17.2	16.5	17.6	18.0		14.6	15.7	15.0	16.1	16.5
	12H	16.1	17.2	16.5	17.5	18.0		14.6	15.6	15.0	16.0	16.4
4H	2H	14.3	15.6	14.7	15.9	16.3		13.8	15.0	14.2	15.4	15.8
	3H	15.8	16.9	16.2	17.3	17.7		14.8	15.9	15.2	16.3	16.7
	4H	16.4	17.3	16.8	17.7	18.2		15.1	16.1	15.5	16.5	16.9
	6H	16.7	17.6	17.2	18.0	18.5		15.3	16.1	15.8	16.6	17.1
	8H	16.8	17.6	17.3	18.0	18.5		15.4	16.1	15.8	16.6	17.0
	12H	16.9	17.6	17.4	18.0	18.5		15.4	16.0	15.8	16.5	17.0
8H	4H	16.4	17.2	16.9	17.7	18.1		15.3	16.0	15.7	16.5	17.0
	6H	16.9	17.5	17.4	18.0	18.5		15.5	16.2	16.0	16.7	17.1
	8H	17.0	17.5	17.5	18.1	18.5		15.6	16.2	16.1	16.7	17.1
	12H	17.1	17.6	17.6	18.1	18.6		15.6	16.1	16.1	16.6	17.2
12H	4H	16.4	17.1	16.9	17.6	18.1		15.3	16.0	15.8	16.4	16.9
	6H	16.8	17.4	17.4	17.9	18.4		15.5	16.1	16.1	16.6	17.1
	8H	17.0	17.5	17.5	18.0	18.5		15.6	16.1	16.1	16.6	17.2

Maximum UGR = 18.6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV READING ONLY.IES

POLAR GRAPH



Maximum Candela = 644.298 Located At Horizontal Angle = 0, Vertical Angle = .5

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

2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)