



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV NURSE ONLY.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] GEN from UL #15282383.04  
[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 NURSE ONLY  
[LUMINAIRE] White 2x2 multi-function over-bed medical fixture  
[LAMP] 28 LEDs  
[BALLAST] OSRAM OTI  
[OTHER] 24.9 C, 120.04 V, 0.0278383 A, 2.92323 W, 0.874044 PF, 59.9705  
[MORE] Hz  
[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	41
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	14
Total Luminaire Watts	2.92323
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
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 NURSE ONLY.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	68	59	57
55	66	56	54
65	58	48	48
75	42	36	36
85	18	14	13

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

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	13.950	13.950	13.950	13.950	13.950
<b>0.5</b>	14.240	13.880	13.840	13.940	14.010
<b>1.0</b>	14.240	13.880	13.840	13.940	14.010
<b>1.5</b>	14.240	13.880	13.840	13.940	14.000
<b>2.0</b>	14.240	13.880	13.840	13.930	14.000
<b>2.5</b>	14.240	13.880	13.840	13.930	14.000
<b>3.0</b>	14.240	13.870	13.840	13.920	14.000
<b>3.5</b>	14.240	13.880	13.830	13.920	13.990
<b>4.0</b>	14.240	13.880	13.830	13.910	13.980
<b>4.5</b>	14.240	13.870	13.820	13.900	13.970
<b>5.0</b>	14.240	13.870	13.820	13.900	13.960
<b>5.5</b>	14.230	13.870	13.810	13.890	13.950
<b>6.0</b>	14.230	13.870	13.810	13.870	13.940
<b>6.5</b>	14.230	13.870	13.800	13.860	13.920
<b>7.0</b>	14.220	13.870	13.800	13.850	13.910
<b>7.5</b>	14.220	13.870	13.790	13.840	13.890
<b>8.0</b>	14.210	13.860	13.780	13.820	13.870
<b>8.5</b>	14.210	13.860	13.770	13.810	13.860
<b>9.0</b>	14.200	13.850	13.760	13.790	13.830
<b>9.5</b>	14.190	13.840	13.750	13.770	13.820
<b>10.0</b>	14.180	13.840	13.730	13.750	13.800
<b>10.5</b>	14.180	13.830	13.720	13.730	13.770
<b>11.0</b>	14.170	13.820	13.710	13.710	13.750
<b>11.5</b>	14.160	13.810	13.700	13.690	13.730
<b>12.0</b>	14.150	13.800	13.690	13.670	13.700
<b>12.5</b>	14.140	13.790	13.670	13.650	13.670
<b>13.0</b>	14.130	13.780	13.650	13.630	13.640
<b>13.5</b>	14.120	13.770	13.630	13.600	13.610
<b>14.0</b>	14.110	13.750	13.610	13.570	13.580
<b>14.5</b>	14.100	13.740	13.590	13.550	13.550
<b>15.0</b>	14.080	13.720	13.560	13.520	13.510
<b>15.5</b>	14.070	13.710	13.540	13.490	13.470
<b>16.0</b>	14.060	13.690	13.510	13.460	13.440
<b>16.5</b>	14.060	13.670	13.480	13.420	13.400
<b>17.0</b>	14.040	13.650	13.460	13.390	13.370
<b>17.5</b>	14.030	13.640	13.430	13.350	13.330
<b>18.0</b>	14.020	13.610	13.400	13.320	13.290
<b>18.5</b>	14.010	13.590	13.360	13.280	13.250
<b>19.0</b>	14.000	13.570	13.330	13.240	13.200
<b>19.5</b>	13.980	13.550	13.300	13.200	13.150
<b>20.0</b>	13.970	13.520	13.260	13.160	13.110
<b>20.5</b>	13.950	13.490	13.220	13.120	13.070
<b>21.0</b>	13.930	13.470	13.190	13.080	13.020
<b>21.5</b>	13.910	13.440	13.150	13.030	12.970
<b>22.0</b>	13.890	13.410	13.100	12.980	12.920
<b>22.5</b>	13.870	13.380	13.070	12.930	12.870
<b>23.0</b>	13.840	13.350	13.020	12.880	12.820
<b>23.5</b>	13.810	13.320	12.980	12.830	12.760
<b>24.0</b>	13.790	13.280	12.930	12.780	12.700
<b>24.5</b>	13.760	13.250	12.880	12.720	12.650
<b>25.0</b>	13.730	13.210	12.830	12.660	12.590
<b>25.5</b>	13.710	13.170	12.790	12.610	12.530
<b>26.0</b>	13.670	13.130	12.730	12.550	12.470
<b>26.5</b>	13.640	13.090	12.680	12.490	12.410

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

27.0	13.600	13.050	12.630	12.430	12.350
27.5	13.560	13.010	12.570	12.370	12.280
28.0	13.520	12.970	12.520	12.300	12.220
28.5	13.480	12.930	12.460	12.240	12.150
29.0	13.440	12.880	12.400	12.180	12.080
29.5	13.400	12.830	12.340	12.110	12.020
30.0	13.350	12.790	12.280	12.040	11.950
30.5	13.310	12.740	12.210	11.970	11.870
31.0	13.260	12.690	12.150	11.890	11.800
31.5	13.220	12.640	12.080	11.820	11.730
32.0	13.170	12.580	12.020	11.750	11.660
32.5	13.120	12.530	11.950	11.670	11.570
33.0	13.060	12.470	11.880	11.600	11.500
33.5	13.010	12.410	11.810	11.520	11.420
34.0	12.950	12.340	11.730	11.450	11.350
34.5	12.890	12.280	11.660	11.370	11.270
35.0	12.830	12.220	11.590	11.280	11.190
35.5	12.770	12.150	11.510	11.200	11.110
36.0	12.700	12.080	11.430	11.120	11.020
36.5	12.640	12.010	11.350	11.030	10.940
37.0	12.570	11.940	11.270	10.940	10.860
37.5	12.500	11.860	11.190	10.860	10.780
38.0	12.430	11.790	11.100	10.770	10.690
38.5	12.360	11.710	11.010	10.680	10.600
39.0	12.280	11.630	10.930	10.590	10.510
39.5	12.210	11.550	10.840	10.500	10.420
40.0	12.130	11.470	10.750	10.410	10.330
40.5	12.050	11.390	10.660	10.320	10.240
41.0	11.960	11.300	10.570	10.220	10.150
41.5	11.880	11.210	10.480	10.130	10.060
42.0	11.800	11.120	10.380	10.030	9.960
42.5	11.720	11.030	10.280	9.928	9.867
43.0	11.630	10.930	10.180	9.829	9.774
43.5	11.540	10.840	10.080	9.732	9.673
44.0	11.450	10.740	9.975	9.628	9.575
44.5	11.350	10.640	9.872	9.526	9.473
45.0	11.250	10.540	9.769	9.423	9.379
45.5	11.150	10.440	9.664	9.317	9.280
46.0	11.050	10.330	9.556	9.210	9.175
46.5	10.940	10.230	9.448	9.103	9.074
47.0	10.830	10.120	9.340	8.995	8.964
47.5	10.720	10.010	9.232	8.886	8.859
48.0	10.600	9.900	9.121	8.778	8.755
48.5	10.490	9.789	9.004	8.665	8.648
49.0	10.370	9.672	8.889	8.552	8.536
49.5	10.250	9.557	8.772	8.439	8.422
50.0	10.130	9.438	8.651	8.325	8.320
50.5	10.000	9.322	8.535	8.210	8.208
51.0	9.871	9.202	8.420	8.097	8.105
51.5	9.742	9.078	8.299	7.981	7.996
52.0	9.615	8.953	8.178	7.863	7.887
52.5	9.482	8.825	8.053	7.748	7.768
53.0	9.345	8.698	7.932	7.630	7.660
53.5	9.210	8.569	7.805	7.511	7.549
54.0	9.074	8.438	7.684	7.394	7.428
54.5	8.934	8.308	7.560	7.278	7.320

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55.0	8.793	8.174	7.433	7.157	7.201
55.5	8.651	8.039	7.308	7.035	7.085
56.0	8.508	7.901	7.179	6.912	6.965
56.5	8.364	7.761	7.050	6.789	6.845
57.0	8.217	7.621	6.920	6.665	6.729
57.5	8.066	7.480	6.788	6.539	6.609
58.0	7.921	7.338	6.655	6.415	6.487
58.5	7.766	7.193	6.521	6.290	6.364
59.0	7.612	7.051	6.388	6.165	6.243
59.5	7.457	6.908	6.255	6.039	6.122
60.0	7.298	6.767	6.122	5.912	5.998
60.5	7.144	6.620	5.988	5.787	5.878
61.0	6.987	6.472	5.853	5.660	5.756
61.5	6.829	6.321	5.716	5.533	5.634
62.0	6.670	6.171	5.584	5.407	5.514
62.5	6.513	6.022	5.447	5.278	5.385
63.0	6.355	5.873	5.309	5.152	5.259
63.5	6.194	5.723	5.172	5.022	5.132
64.0	6.032	5.576	5.038	4.894	5.004
64.5	5.869	5.427	4.902	4.765	4.879
65.0	5.706	5.275	4.766	4.636	4.751
65.5	5.544	5.123	4.629	4.505	4.624
66.0	5.386	4.970	4.490	4.372	4.497
66.5	5.224	4.813	4.355	4.240	4.368
67.0	5.062	4.657	4.219	4.110	4.235
67.5	4.899	4.507	4.083	3.983	4.107
68.0	4.736	4.358	3.948	3.854	3.979
68.5	4.570	4.208	3.814	3.724	3.847
69.0	4.408	4.061	3.679	3.595	3.717
69.5	4.245	3.911	3.545	3.467	3.586
70.0	4.082	3.763	3.413	3.338	3.456
70.5	3.922	3.611	3.284	3.210	3.326
71.0	3.762	3.461	3.154	3.081	3.198
71.5	3.600	3.315	3.025	2.955	3.069
72.0	3.443	3.167	2.894	2.830	2.944
72.5	3.284	3.024	2.766	2.705	2.815
73.0	3.136	2.881	2.641	2.584	2.684
73.5	2.986	2.741	2.517	2.460	2.551
74.0	2.832	2.602	2.397	2.335	2.421
74.5	2.683	2.471	2.274	2.213	2.293
75.0	2.537	2.340	2.152	2.091	2.165
75.5	2.390	2.208	2.033	1.970	2.035
76.0	2.253	2.078	1.920	1.852	1.907
76.5	2.115	1.951	1.804	1.735	1.786
77.0	1.979	1.828	1.690	1.622	1.665
77.5	1.852	1.709	1.580	1.509	1.548
78.0	1.725	1.594	1.474	1.403	1.433
78.5	1.598	1.480	1.368	1.296	1.321
79.0	1.473	1.368	1.264	1.192	1.211
79.5	1.356	1.266	1.163	1.091	1.105
80.0	1.242	1.162	1.066	0.994	1.002
80.5	1.130	1.061	0.972	0.901	0.902
81.0	1.025	0.968	0.878	0.811	0.808
81.5	0.924	0.878	0.787	0.723	0.719
82.0	0.825	0.789	0.702	0.641	0.638
82.5	0.734	0.706	0.621	0.565	0.561

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

83.0	0.652	0.631	0.546	0.494	0.491
83.5	0.575	0.561	0.473	0.430	0.430
84.0	0.498	0.494	0.403	0.370	0.373
84.5	0.427	0.429	0.338	0.317	0.319
85.0	0.357	0.362	0.279	0.270	0.269
85.5	0.291	0.300	0.228	0.227	0.225
86.0	0.233	0.238	0.186	0.187	0.185
86.5	0.184	0.188	0.150	0.152	0.148
87.0	0.142	0.145	0.120	0.122	0.117
87.5	0.104	0.109	0.094	0.093	0.090
88.0	0.076	0.082	0.071	0.071	0.067
88.5	0.058	0.065	0.053	0.049	0.047
89.0	0.045	0.048	0.035	0.030	0.029
89.5	0.014	0.029	0.022	0.020	0.020
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 NURSE 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 NURSE 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 NURSE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	5.18	N.A.	12.70
0-30	11.16	N.A.	27.30
0-40	18.52	N.A.	45.40
0-60	33.09	N.A.	81.10
0-80	40.40	N.A.	99.00
0-90	40.82	N.A.	100.00
10-90	39.49	N.A.	96.70
20-40	13.34	N.A.	32.70
20-50	21.05	N.A.	51.60
40-70	19.49	N.A.	47.70
60-80	7.30	N.A.	17.90
70-80	2.39	N.A.	5.90
80-90	0.42	N.A.	1.00
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	40.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	1.33
10-20	3.86
20-30	5.98
30-40	7.36
40-50	7.71
50-60	6.86
60-70	4.92
70-80	2.39
80-90	0.42
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 NURSE 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	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	86	80	76	82	78	74	79	76	73	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59
4	83	71	62	55	80	69	61	55	67	60	54	65	59	54	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	47	41	54	47	41	52	46	41	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	60	47	38	33	59	46	38	32	45	38	32	44	37	32	42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	26	51	39	32	26	38	31	26	37	31	26	36	30	26	24

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV NURSE 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	2.8	4.5	3.2	4.8	5.1	1.8	3.4	2.2	3.8	4.1
	3H	4.4	5.9	4.8	6.2	6.6	3.4	4.9	3.8	5.2	5.6
	4H	4.9	6.3	5.3	6.7	7.0	3.9	5.3	4.3	5.7	6.0
	6H	5.2	6.5	5.6	6.9	7.3	4.2	5.5	4.6	5.8	6.2
	8H	5.3	6.5	5.7	6.9	7.3	4.2	5.4	4.6	5.8	6.2
	12H	5.3	6.5	5.7	6.8	7.3	4.2	5.4	4.7	5.8	6.2

### UGR Viewed Endwise

4H	2H	3.2	4.6	3.6	5.0	5.4	2.4	3.8	2.8	4.2	4.5
	3H	5.1	6.2	5.5	6.6	7.0	4.2	5.4	4.6	5.8	6.2
	4H	5.7	6.7	6.1	7.1	7.6	4.8	5.8	5.2	6.3	6.7
	6H	6.0	7.0	6.5	7.4	7.8	5.1	6.1	5.6	6.5	7.0
	8H	6.1	7.0	6.6	7.4	7.9	5.2	6.1	5.7	6.5	7.0
	12H	6.2	6.9	6.6	7.4	7.9	5.2	6.0	5.7	6.5	6.9

8H	4H	5.8	6.7	6.3	7.1	7.6	5.0	5.9	5.5	6.3	6.8
	6H	6.3	7.0	6.8	7.5	7.9	5.4	6.1	5.9	6.6	7.1
	8H	6.4	7.0	6.9	7.5	8.0	5.5	6.2	6.0	6.7	7.1
	12H	6.4	7.0	6.9	7.5	8.1	5.6	6.1	6.1	6.6	7.2

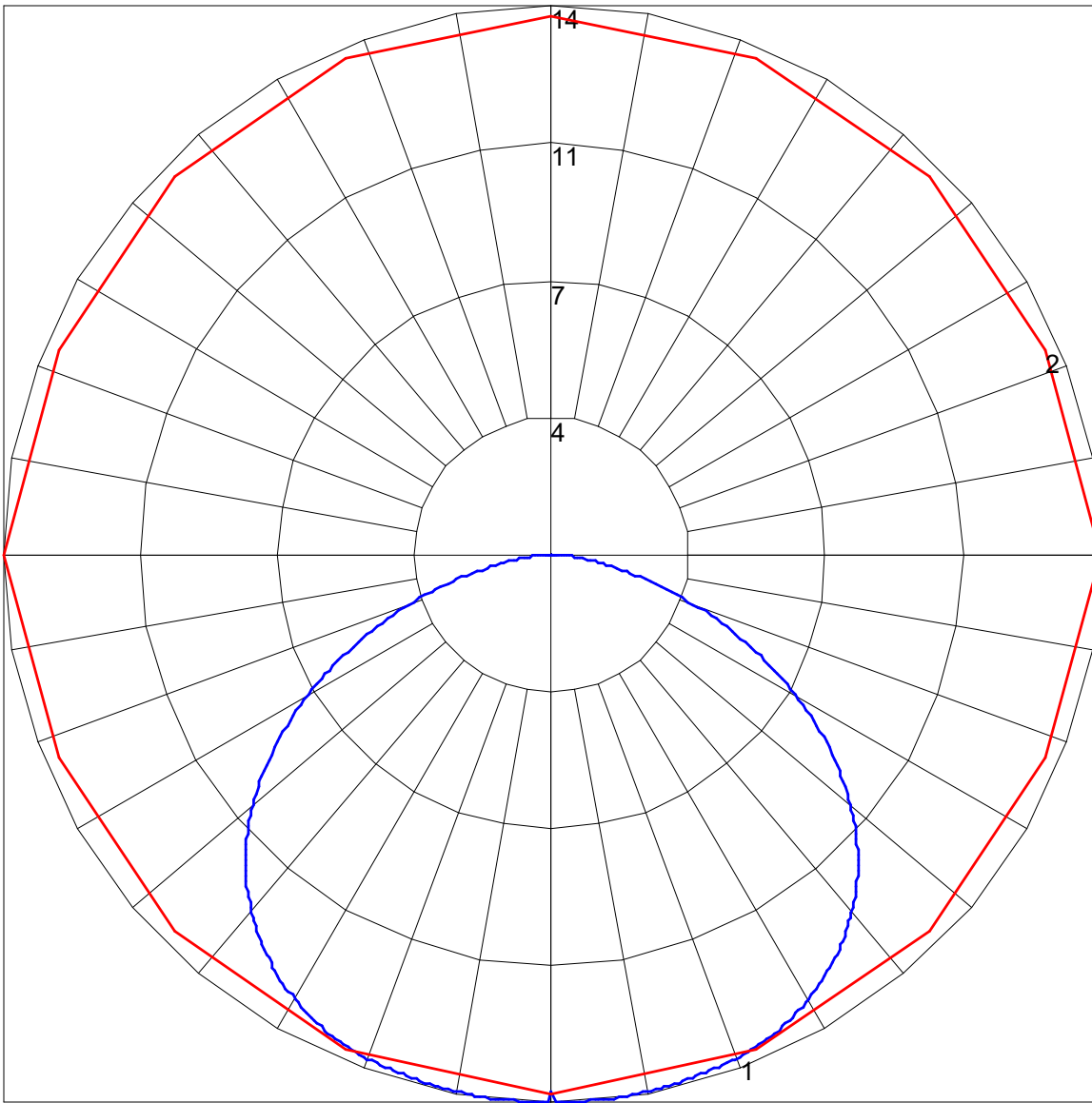
12H	4H	5.8	6.6	6.3	7.1	7.5	5.0	5.8	5.5	6.3	6.8
	6H	6.3	6.9	6.8	7.4	7.9	5.5	6.1	6.0	6.6	7.1
	8H	6.4	7.0	6.9	7.5	8.0	5.6	6.1	6.1	6.6	7.2

Maximum UGR = 8.1

# IES INDOOR REPORT

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

## POLAR GRAPH



Maximum Candela = 14.24 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.)