



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15318387.03

[TESTLAB] UL Verification Services Inc.

[ISSUEDATE] 7/8/2024

[TESTDATE] 6/6/2024

[MANUFAC] H E WILLIAMS INC

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

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

[LAMP] 132 LEDs

[BALLAST] 1x OPTOTRONIC 85W OTI 85/120- 277/2A3 DIM-1L

[OTHER] 24.5 C, 119.947 V, 0.301307 A, 35.8306 W, 0.991413 PF, 59.97 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	4652
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.28
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 EXAM ONLY.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6853	6406	6314
55	6141	5586	5835
65	5127	4671	5552
75	3448	3595	3455
85	1044	1129	1049

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV EXAM 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	1936.170	1936.170	1936.170	1936.170	1936.170
0.5	1911.930	1940.210	1937.180	1943.240	1936.170
1.0	1910.920	1940.210	1937.180	1943.240	1936.170
1.5	1910.920	1939.200	1936.170	1943.240	1935.160
2.0	1909.910	1939.200	1936.170	1942.230	1935.160
2.5	1910.920	1938.190	1935.160	1941.220	1934.150
3.0	1911.930	1938.190	1934.150	1941.220	1934.150
3.5	1913.950	1939.200	1934.150	1940.210	1932.130
4.0	1915.970	1940.210	1933.140	1938.190	1931.120
4.5	1916.980	1941.220	1932.130	1937.180	1930.110
5.0	1917.990	1943.240	1932.130	1935.160	1928.090
5.5	1917.990	1944.250	1933.140	1933.140	1925.060
6.0	1916.980	1944.250	1933.140	1931.120	1923.040
6.5	1915.970	1943.240	1933.140	1929.100	1920.010
7.0	1914.960	1942.230	1933.140	1927.080	1917.990
7.5	1912.940	1940.210	1933.140	1924.050	1914.960
8.0	1910.920	1938.190	1932.130	1921.020	1911.930
8.5	1909.910	1936.170	1929.100	1917.990	1908.900
9.0	1908.900	1933.140	1926.070	1915.970	1904.860
9.5	1906.880	1931.120	1923.040	1912.940	1900.820
10.0	1904.860	1929.100	1920.010	1910.920	1896.780
10.5	1901.830	1926.070	1915.970	1907.890	1893.750
11.0	1897.790	1923.040	1912.940	1904.860	1888.700
11.5	1890.720	1917.990	1908.900	1901.830	1884.660
12.0	1883.650	1912.940	1905.870	1898.800	1879.610
12.5	1876.580	1905.870	1901.830	1895.770	1874.560
13.0	1869.510	1898.800	1898.800	1890.720	1870.520
13.5	1860.420	1891.730	1893.750	1886.680	1863.450
14.0	1851.330	1882.640	1889.710	1881.630	1858.400
14.5	1842.240	1873.550	1884.660	1876.580	1851.330
15.0	1834.160	1864.460	1878.600	1871.530	1845.270
15.5	1827.090	1855.370	1871.530	1865.470	1838.200
16.0	1820.020	1847.290	1863.450	1858.400	1831.130
16.5	1811.940	1839.210	1855.370	1852.340	1824.060
17.0	1803.860	1831.130	1847.290	1845.270	1816.990
17.5	1796.790	1823.050	1838.200	1839.210	1810.930
18.0	1789.720	1814.970	1829.110	1831.130	1803.860
18.5	1781.640	1806.890	1819.010	1825.070	1796.790
19.0	1773.560	1798.810	1808.910	1816.990	1789.720
19.5	1766.490	1791.740	1799.820	1809.920	1781.640
20.0	1758.410	1783.660	1789.720	1801.840	1773.560
20.5	1750.330	1775.580	1780.630	1793.760	1766.490
21.0	1742.250	1767.500	1770.530	1785.680	1757.400
21.5	1734.170	1759.420	1761.440	1777.600	1748.310
22.0	1725.080	1750.330	1751.340	1769.520	1739.220
22.5	1715.990	1741.240	1741.240	1760.430	1728.110
23.0	1705.890	1732.150	1731.140	1751.340	1718.010
23.5	1696.800	1722.050	1721.040	1742.250	1707.910
24.0	1687.710	1712.960	1711.950	1732.150	1697.810
24.5	1677.610	1702.860	1701.850	1722.050	1686.700
25.0	1667.510	1692.760	1692.760	1711.950	1675.590
25.5	1656.400	1682.660	1682.660	1701.850	1664.480
26.0	1646.300	1672.560	1672.560	1690.740	1653.370
26.5	1635.190	1661.450	1662.460	1679.630	1642.260

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

27.0	1623.070	1650.340	1652.360	1668.520	1630.140
27.5	1611.960	1638.220	1641.250	1656.400	1617.010
28.0	1598.830	1627.110	1630.140	1643.270	1603.880
28.5	1586.710	1614.990	1619.030	1631.150	1589.740
29.0	1573.580	1602.870	1607.920	1617.010	1573.580
29.5	1561.460	1589.740	1596.810	1603.880	1556.410
30.0	1548.330	1577.620	1584.690	1587.720	1538.230
30.5	1536.210	1564.490	1572.570	1572.570	1517.020
31.0	1522.070	1551.360	1560.450	1554.390	1495.810
31.5	1508.940	1537.220	1548.330	1535.200	1473.590
32.0	1495.810	1524.090	1535.200	1513.990	1450.360
32.5	1482.680	1509.950	1522.070	1490.760	1426.120
33.0	1468.540	1495.810	1508.940	1467.530	1401.880
33.5	1455.410	1481.670	1494.800	1443.290	1378.650
34.0	1443.290	1467.530	1480.660	1419.050	1356.430
34.5	1430.160	1453.390	1465.510	1395.820	1335.220
35.0	1417.030	1439.250	1451.370	1371.580	1318.050
35.5	1403.900	1425.110	1436.220	1348.350	1301.890
36.0	1389.760	1410.970	1421.070	1325.120	1287.750
36.5	1376.630	1396.830	1404.910	1303.910	1275.630
37.0	1363.500	1382.690	1388.750	1285.730	1262.500
37.5	1350.370	1368.550	1371.580	1267.550	1251.390
38.0	1336.230	1353.400	1355.420	1252.400	1239.270
38.5	1322.090	1340.270	1336.230	1237.250	1228.160
39.0	1307.950	1325.120	1317.040	1223.110	1215.030
39.5	1293.810	1310.980	1297.850	1209.980	1202.910
40.0	1279.670	1296.840	1276.640	1196.850	1189.780
40.5	1264.520	1282.700	1254.420	1184.730	1177.660
41.0	1249.370	1267.550	1232.200	1171.600	1164.530
41.5	1235.230	1253.410	1208.970	1159.480	1150.390
42.0	1220.080	1239.270	1185.740	1146.350	1134.230
42.5	1205.940	1224.120	1163.520	1133.220	1118.070
43.0	1190.790	1208.970	1140.290	1120.090	1102.920
43.5	1175.640	1192.810	1118.070	1106.960	1087.770
44.0	1159.480	1177.660	1095.850	1091.810	1072.620
44.5	1144.330	1162.510	1074.640	1075.650	1056.460
45.0	1129.180	1146.350	1055.450	1059.490	1040.300
45.5	1114.030	1130.190	1037.270	1043.330	1023.130
46.0	1098.880	1114.030	1020.100	1027.170	1005.455
46.5	1083.730	1097.870	1004.243	1012.020	988.285
47.0	1067.570	1081.710	989.194	994.951	971.014
47.5	1052.420	1065.550	974.448	977.983	954.652
48.0	1037.270	1049.390	960.005	960.712	939.098
48.5	1022.120	1033.230	945.865	943.340	924.756
49.0	1006.667	1017.070	931.927	925.665	911.424
49.5	991.719	1001.213	917.484	908.495	899.506
50.0	976.367	984.750	903.142	891.729	887.790
50.5	960.914	968.590	888.497	875.468	877.387
51.0	945.259	953.137	874.054	860.924	866.378
51.5	930.513	937.381	859.611	846.986	855.470
52.0	914.656	921.322	844.057	834.462	844.865
52.5	899.203	904.758	828.402	822.342	834.260
53.0	883.851	888.901	812.444	810.020	823.453
53.5	868.095	872.438	795.678	798.102	812.444
54.0	852.541	855.874	779.417	786.184	801.738
54.5	836.482	839.310	762.954	774.367	790.830

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55.0	820.726	822.443	746.592	762.752	779.922
55.5	804.869	805.576	730.331	751.743	768.913
56.0	788.911	788.507	714.575	740.330	758.005
56.5	772.852	771.539	697.405	729.927	746.794
57.0	757.096	754.571	679.730	718.312	736.997
57.5	742.855	738.007	662.358	706.596	726.493
58.0	727.402	722.049	645.592	695.385	717.302
58.5	713.060	704.475	629.836	683.366	706.091
59.0	697.910	686.194	614.383	670.943	694.375
59.5	682.053	667.812	599.738	658.924	682.760
60.0	666.499	648.824	586.305	646.501	670.741
60.5	650.642	629.735	573.276	633.775	659.328
61.0	634.684	610.949	560.348	621.554	647.814
61.5	618.524	591.658	547.521	609.232	636.199
62.0	602.465	571.963	534.795	596.708	623.978
62.5	586.608	552.672	522.170	583.881	611.454
63.0	570.347	533.482	509.747	571.458	598.526
63.5	553.985	514.898	497.324	559.035	585.598
64.0	537.623	497.324	485.002	546.410	572.569
64.5	521.463	480.457	472.579	533.785	559.742
65.0	504.899	464.297	459.954	520.756	546.713
65.5	488.436	448.844	447.632	507.424	533.381
66.0	472.276	433.997	435.310	493.991	520.352
66.5	456.015	419.049	423.291	480.760	506.818
67.0	440.158	404.505	411.373	467.630	493.183
67.5	424.806	390.062	399.556	454.399	478.942
68.0	409.656	376.023	387.234	440.966	464.297
68.5	394.708	361.782	375.417	427.331	449.349
69.0	380.164	347.440	363.398	413.595	434.401
69.5	365.014	333.401	351.076	399.152	420.362
70.0	350.268	319.261	338.956	384.608	405.313
70.5	335.421	304.919	326.735	370.064	389.658
71.0	320.473	290.072	314.817	355.318	373.397
71.5	305.626	275.225	302.596	340.875	357.035
72.0	291.284	260.277	290.375	326.028	338.451
72.5	277.144	246.137	278.255	310.979	316.433
73.0	262.903	232.704	266.034	295.122	295.223
73.5	248.864	220.079	253.914	278.154	274.013
74.0	235.027	208.161	241.592	259.368	251.086
74.5	221.493	196.647	229.169	240.279	228.563
75.0	207.959	185.638	216.847	220.281	208.363
75.5	195.334	175.033	204.525	199.677	192.203
76.0	182.810	164.630	192.304	180.588	179.376
76.5	170.488	154.530	180.184	164.529	165.943
77.0	158.772	144.834	167.357	151.702	150.894
77.5	147.561	135.239	154.025	139.885	132.815
78.0	136.552	126.048	140.390	126.654	114.029
78.5	125.644	117.059	126.553	112.413	94.435
79.0	114.938	108.171	112.413	95.849	81.103
79.5	104.939	99.283	99.788	79.992	73.528
80.0	95.546	90.395	89.587	69.488	67.670
80.5	86.153	82.012	80.295	62.822	62.418
81.0	77.164	74.033	70.700	57.368	57.772
81.5	68.579	66.155	60.701	52.621	53.227
82.0	60.196	58.681	51.106	48.076	48.783
82.5	52.419	51.409	43.733	43.733	43.935

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83.0	44.945	44.440	38.481	39.289	38.683
83.5	38.077	37.673	34.340	34.744	33.936
84.0	31.613	31.613	30.401	30.300	29.492
84.5	25.856	26.260	26.664	26.260	25.250
85.0	21.210	21.715	22.927	22.321	21.311
85.5	17.372	17.978	19.190	18.786	17.978
86.0	14.140	14.847	15.655	15.756	15.352
86.5	11.312	12.120	12.524	13.231	13.231
87.0	8.888	9.595	9.797	11.009	11.110
87.5	6.767	7.272	7.474	8.787	8.989
88.0	5.050	5.252	5.454	6.666	6.868
88.5	3.636	3.434	3.838	4.747	5.050
89.0	1.818	1.919	2.323	2.424	2.323
89.5	0.606	0.808	0.909	0.606	0.505
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 EXAM 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 EXAM 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 EXAM ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	708.96	N.A.	15.20
0-30	1487.36	N.A.	32.00
0-40	2369.13	N.A.	50.90
0-60	3907.89	N.A.	84.00
0-80	4620.25	N.A.	99.30
0-90	4651.57	N.A.	100.00
10-90	4467.56	N.A.	96.00
20-40	1660.17	N.A.	35.70
20-50	2499.11	N.A.	53.70
40-70	2027.52	N.A.	43.60
60-80	712.37	N.A.	15.30
70-80	223.60	N.A.	4.80
80-90	31.31	N.A.	0.70
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	4651.57	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.01
10-20	524.95
20-30	778.41
30-40	881.76
40-50	838.94
50-60	699.82
60-70	488.76
70-80	223.60
80-90	31.31
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 EXAM 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	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	40	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	36	46	40	35	45	39	35	33
9	59	46	38	32	57	45	38	32	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV EXAM 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	15.4	17.0	15.8	17.3	17.6	UGR Viewed Endwise	15.2	16.7	15.5	17.0	17.3
	3H	16.7	18.1	17.1	18.4	18.8		16.9	18.3	17.3	18.7	19.0
	4H	17.1	18.4	17.5	18.7	19.1		17.4	18.7	17.8	19.0	19.4
	6H	17.3	18.5	17.7	18.9	19.2		17.5	18.7	17.9	19.1	19.5
	8H	17.3	18.5	17.7	18.8	19.2		17.5	18.7	17.9	19.0	19.4
	12H	17.3	18.4	17.7	18.8	19.2		17.5	18.6	17.9	19.0	19.4

4H	2H	15.8	17.1	16.2	17.5	17.9	15.6	16.9	16.0	17.3	17.6
	3H	17.3	18.4	17.7	18.8	19.2	17.6	18.7	18.0	19.1	19.5
	4H	17.8	18.7	18.2	19.2	19.6	18.1	19.1	18.6	19.5	20.0
	6H	18.0	18.9	18.5	19.3	19.8	18.3	19.2	18.8	19.6	20.1
	8H	18.1	18.9	18.5	19.3	19.8	18.3	19.1	18.8	19.6	20.0
	12H	18.1	18.8	18.6	19.3	19.7	18.3	19.0	18.8	19.5	20.0

8H	4H	18.0	18.8	18.4	19.2	19.7	18.3	19.1	18.7	19.5	20.0
	6H	18.3	18.9	18.8	19.4	19.9	18.5	19.1	19.0	19.6	20.1
	8H	18.3	18.9	18.8	19.4	19.9	18.5	19.1	19.0	19.6	20.1
	12H	18.3	18.9	18.9	19.4	19.9	18.5	19.0	19.0	19.5	20.1

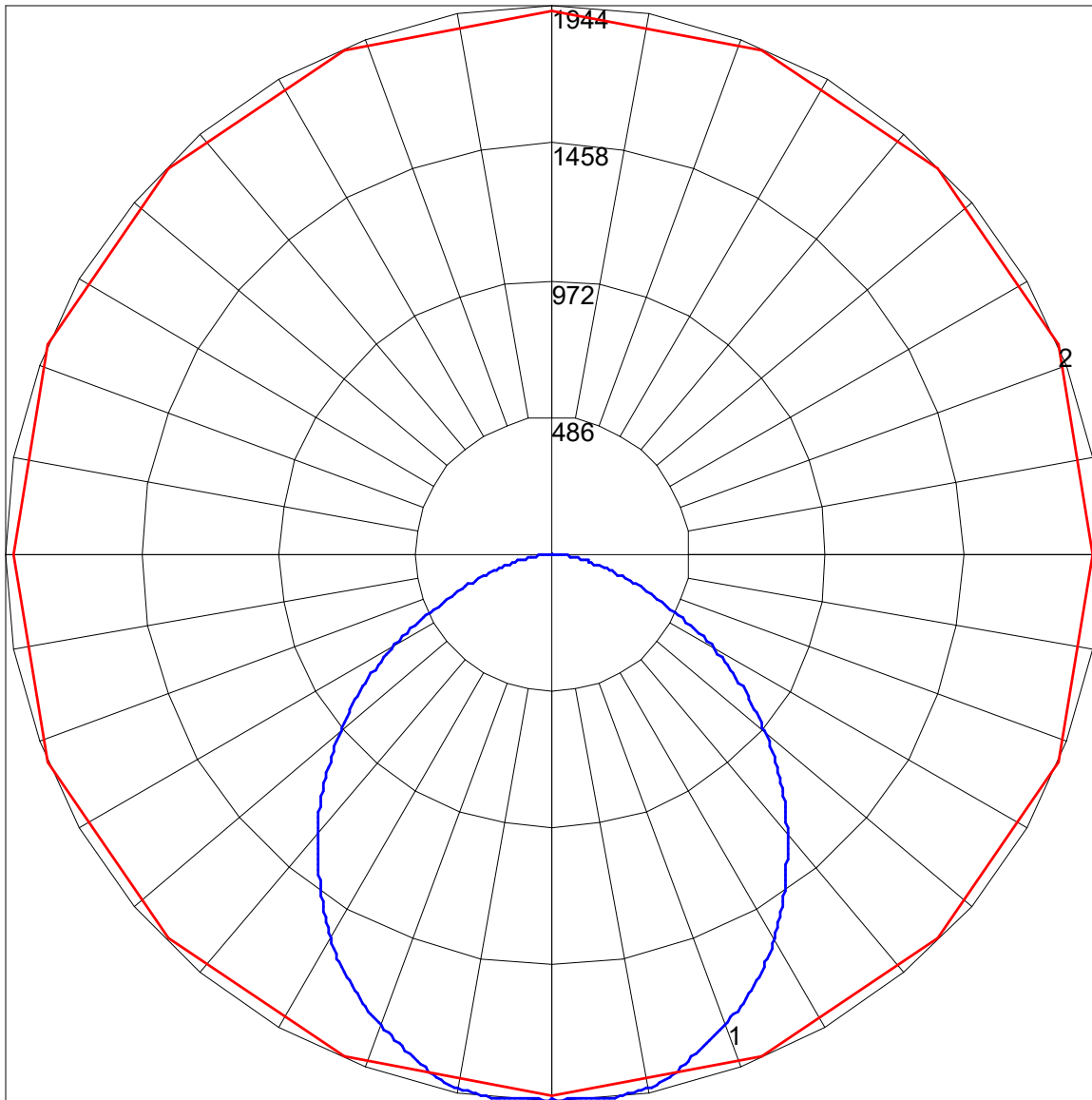
12H	4H	18.0	18.7	18.4	19.1	19.6	18.3	19.0	18.8	19.5	19.9
	6H	18.2	18.8	18.8	19.3	19.8	18.5	19.1	19.0	19.5	20.1
	8H	18.3	18.9	18.8	19.3	19.9	18.5	19.0	19.0	19.5	20.1

Maximum UGR = 20.1

IES INDOOR REPORT

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

POLAR GRAPH



Maximum Candela = 1944.25 Located At Horizontal Angle = 22.5, Vertical Angle = 5.5

1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (5.5) (Through Max. Cd.)