



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN from UL #15282383.01
[TESTLAB] UL Verification Services Inc.
[ISSUE DATE] 7/8/2024
[TEST DATE] 5/7/2024
[MANUFAC] H E WILLIAMS INC
[LUMCAT] MCTMBAERNx-24-L47/840-CS-SSCA-DIM-UNV (AMBIENT ONLY)
[LUMINAIRE] White 2x4 multi-function over-bed medical fixture
[LAMP] 112 LEDs
[BALLAST] OSRAM OTI50W
[OTHER] 25.1 C, 119.978 V, 0.330341 A, 38.998 W, 0.983959 PF, 59.9701
[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	4747
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	38.998
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.58 ft
Luminous Width (90-270)	1.58 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2663	3033	3545
55	2485	3073	3742
65	2174	3028	3410
75	1550	2309	2280
85	581	555	533

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT 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	1564.0	1564.0	1564.0	1564.0	1564.0
0.5	1561.0	1566.0	1561.0	1565.0	1568.0
1.0	1561.0	1566.0	1561.0	1565.0	1568.0
1.5	1560.0	1565.0	1561.0	1565.0	1568.0
2.0	1560.0	1565.0	1560.0	1564.0	1567.0
2.5	1559.0	1564.0	1560.0	1564.0	1567.0
3.0	1558.0	1564.0	1559.0	1564.0	1567.0
3.5	1557.0	1562.0	1558.0	1563.0	1566.0
4.0	1556.0	1561.0	1557.0	1563.0	1566.0
4.5	1555.0	1560.0	1556.0	1562.0	1565.0
5.0	1553.0	1559.0	1555.0	1561.0	1565.0
5.5	1552.0	1557.0	1554.0	1560.0	1564.0
6.0	1550.0	1556.0	1553.0	1559.0	1563.0
6.5	1548.0	1554.0	1551.0	1558.0	1562.0
7.0	1546.0	1552.0	1550.0	1557.0	1561.0
7.5	1544.0	1550.0	1548.0	1556.0	1560.0
8.0	1541.0	1547.0	1546.0	1554.0	1559.0
8.5	1539.0	1545.0	1544.0	1553.0	1557.0
9.0	1536.0	1542.0	1542.0	1551.0	1556.0
9.5	1533.0	1540.0	1540.0	1550.0	1555.0
10.0	1530.0	1537.0	1538.0	1548.0	1554.0
10.5	1526.0	1534.0	1536.0	1546.0	1552.0
11.0	1523.0	1531.0	1533.0	1544.0	1551.0
11.5	1519.0	1527.0	1530.0	1543.0	1549.0
12.0	1516.0	1524.0	1528.0	1541.0	1547.0
12.5	1512.0	1520.0	1525.0	1538.0	1546.0
13.0	1508.0	1517.0	1522.0	1536.0	1544.0
13.5	1504.0	1513.0	1519.0	1534.0	1542.0
14.0	1499.0	1509.0	1516.0	1532.0	1540.0
14.5	1495.0	1505.0	1513.0	1529.0	1538.0
15.0	1491.0	1501.0	1509.0	1526.0	1536.0
15.5	1486.0	1496.0	1506.0	1524.0	1534.0
16.0	1481.0	1492.0	1502.0	1521.0	1531.0
16.5	1477.0	1487.0	1498.0	1519.0	1529.0
17.0	1472.0	1482.0	1494.0	1515.0	1527.0
17.5	1467.0	1477.0	1490.0	1512.0	1524.0
18.0	1461.0	1472.0	1486.0	1509.0	1521.0
18.5	1455.0	1467.0	1482.0	1506.0	1519.0
19.0	1450.0	1462.0	1477.0	1503.0	1516.0
19.5	1444.0	1456.0	1473.0	1499.0	1513.0
20.0	1438.0	1450.0	1468.0	1496.0	1510.0
20.5	1432.0	1445.0	1464.0	1493.0	1508.0
21.0	1426.0	1439.0	1459.0	1490.0	1505.0
21.5	1419.0	1433.0	1454.0	1486.0	1502.0
22.0	1413.0	1427.0	1449.0	1483.0	1500.0
22.5	1406.0	1421.0	1444.0	1480.0	1498.0
23.0	1399.0	1414.0	1440.0	1477.0	1495.0
23.5	1392.0	1408.0	1434.0	1474.0	1493.0
24.0	1385.0	1401.0	1429.0	1470.0	1491.0
24.5	1378.0	1395.0	1424.0	1467.0	1488.0
25.0	1371.0	1388.0	1419.0	1464.0	1486.0
25.5	1364.0	1381.0	1414.0	1460.0	1483.0
26.0	1356.0	1374.0	1408.0	1457.0	1480.0
26.5	1348.0	1367.0	1403.0	1453.0	1477.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

27.0	1340.0	1360.0	1398.0	1449.0	1475.0
27.5	1332.0	1352.0	1392.0	1446.0	1472.0
28.0	1325.0	1345.0	1386.0	1442.0	1469.0
28.5	1316.0	1337.0	1380.0	1438.0	1466.0
29.0	1309.0	1330.0	1375.0	1434.0	1463.0
29.5	1300.0	1322.0	1368.0	1430.0	1459.0
30.0	1292.0	1314.0	1362.0	1426.0	1456.0
30.5	1283.0	1306.0	1356.0	1421.0	1453.0
31.0	1275.0	1298.0	1350.0	1417.0	1450.0
31.5	1266.0	1290.0	1343.0	1412.0	1447.0
32.0	1258.0	1282.0	1336.0	1408.0	1443.0
32.5	1249.0	1273.0	1329.0	1404.0	1440.0
33.0	1240.0	1265.0	1323.0	1399.0	1436.0
33.5	1231.0	1256.0	1316.0	1395.0	1433.0
34.0	1222.0	1247.0	1309.0	1390.0	1430.0
34.5	1212.0	1239.0	1301.0	1385.0	1426.0
35.0	1203.0	1229.0	1294.0	1380.0	1422.0
35.5	1194.0	1220.0	1287.0	1375.0	1418.0
36.0	1184.0	1211.0	1280.0	1370.0	1415.0
36.5	1174.0	1202.0	1272.0	1365.0	1410.0
37.0	1164.0	1193.0	1265.0	1360.0	1407.0
37.5	1153.0	1183.0	1257.0	1354.0	1402.0
38.0	1144.0	1173.0	1249.0	1349.0	1397.0
38.5	1133.0	1164.0	1242.0	1343.0	1393.0
39.0	1123.0	1154.0	1234.0	1338.0	1389.0
39.5	1113.0	1145.0	1226.0	1332.0	1384.0
40.0	1102.0	1135.0	1218.0	1326.0	1379.0
40.5	1092.0	1125.0	1210.0	1320.0	1374.0
41.0	1081.0	1115.0	1201.0	1314.0	1369.0
41.5	1071.0	1104.0	1193.0	1308.0	1364.0
42.0	1060.0	1094.0	1185.0	1302.0	1359.0
42.5	1049.0	1084.0	1176.0	1295.0	1353.0
43.0	1038.0	1073.0	1167.0	1289.0	1348.0
43.5	1027.0	1062.0	1158.0	1282.0	1342.0
44.0	1016.0	1052.0	1150.0	1275.0	1335.0
44.5	1004.0	1041.0	1140.0	1268.0	1329.0
45.0	993.3	1031.0	1131.0	1261.0	1322.0
45.5	982.0	1020.0	1122.0	1254.0	1316.0
46.0	970.7	1009.0	1113.0	1246.0	1309.0
46.5	959.7	998.2	1104.0	1238.0	1302.0
47.0	948.4	986.9	1095.0	1230.0	1294.0
47.5	936.5	976.0	1085.0	1223.0	1286.0
48.0	924.5	964.6	1076.0	1214.0	1279.0
48.5	912.6	953.3	1066.0	1206.0	1271.0
49.0	901.1	942.0	1056.0	1197.0	1262.0
49.5	889.2	930.1	1046.0	1189.0	1253.0
50.0	876.8	918.4	1037.0	1180.0	1244.0
50.5	864.9	906.6	1026.0	1171.0	1235.0
51.0	852.7	894.6	1016.0	1161.0	1225.0
51.5	840.5	882.5	1005.0	1152.0	1215.0
52.0	828.2	870.6	994.8	1142.0	1205.0
52.5	815.6	858.5	984.0	1132.0	1195.0
53.0	803.4	846.3	973.3	1121.0	1183.0
53.5	790.3	834.0	962.2	1110.0	1171.0
54.0	777.7	821.9	951.4	1099.0	1159.0
54.5	764.8	809.4	940.6	1088.0	1146.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

55.0	751.9	797.2	929.5	1076.0	1132.0
55.5	738.9	784.5	918.1	1063.0	1118.0
56.0	727.4	771.9	906.5	1051.0	1104.0
56.5	715.2	759.3	894.8	1037.0	1088.0
57.0	703.4	746.5	883.1	1024.0	1073.0
57.5	690.3	734.6	871.4	1009.0	1057.0
58.0	676.7	722.9	859.4	995.2	1041.0
58.5	663.6	710.3	847.6	980.1	1024.0
59.0	649.9	698.5	835.3	964.7	1006.0
59.5	636.0	685.2	822.4	949.0	987.1
60.0	622.2	671.7	809.8	932.2	968.8
60.5	608.7	658.4	796.8	914.9	949.4
61.0	595.0	644.9	783.9	897.6	930.1
61.5	581.4	631.4	770.6	880.0	910.7
62.0	567.6	617.7	757.1	861.4	889.7
62.5	553.7	603.9	743.5	842.0	869.3
63.0	539.9	590.1	731.4	822.7	848.0
63.5	526.2	576.3	717.7	802.6	826.2
64.0	512.3	562.6	704.8	782.8	805.0
64.5	498.4	548.9	690.2	762.5	782.3
65.0	484.5	534.8	674.9	743.0	760.2
65.5	470.3	520.9	659.6	722.3	739.5
66.0	456.2	506.9	643.8	701.6	716.1
66.5	442.5	493.1	627.8	681.2	693.8
67.0	428.6	479.4	611.4	659.8	672.3
67.5	414.8	465.2	594.9	637.4	649.4
68.0	400.5	451.3	577.7	615.5	626.2
68.5	386.4	437.4	560.4	593.4	602.8
69.0	372.2	423.8	542.7	571.2	580.4
69.5	358.4	410.1	524.1	548.9	557.7
70.0	344.2	396.5	505.6	527.0	534.7
70.5	330.6	382.9	487.2	504.9	511.5
71.0	317.0	369.3	468.4	483.0	489.1
71.5	303.3	355.8	448.8	461.5	466.8
72.0	289.3	342.2	429.6	439.8	444.4
72.5	276.0	328.7	410.6	418.1	421.7
73.0	262.7	315.2	391.8	397.0	399.3
73.5	249.7	301.9	372.6	376.0	377.8
74.0	236.7	288.9	353.6	355.1	355.9
74.5	223.8	275.9	334.1	334.5	333.4
75.0	211.6	262.8	315.2	313.9	311.3
75.5	199.2	250.0	296.4	293.1	287.7
76.0	187.5	237.2	278.0	272.3	263.6
76.5	175.9	224.4	259.9	251.3	238.2
77.0	164.4	211.6	242.5	230.0	212.1
77.5	153.2	199.1	224.9	207.7	184.9
78.0	142.3	186.7	207.5	183.4	159.0
78.5	131.6	174.3	191.2	159.2	136.8
79.0	121.3	162.0	174.8	136.5	119.4
79.5	111.3	149.8	158.5	116.6	105.2
80.0	101.5	137.6	141.8	100.5	93.1
80.5	92.0	125.7	125.0	87.7	82.8
81.0	83.3	114.2	108.0	77.2	73.7
81.5	74.7	102.8	90.7	68.0	65.5
82.0	66.5	91.6	74.7	60.0	58.1
82.5	58.7	80.9	61.8	52.5	51.4

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

83.0	51.1	70.9	51.6	45.8	45.1
83.5	44.3	61.3	43.4	39.7	39.2
84.0	37.9	52.3	36.6	34.2	33.9
84.5	32.1	43.9	30.7	29.1	29.0
85.0	26.7	35.8	25.5	24.6	24.5
85.5	21.9	28.0	21.0	20.6	20.4
86.0	17.6	21.1	17.1	16.9	16.6
86.5	13.8	15.7	13.7	13.6	13.2
87.0	10.5	11.7	10.7	10.6	10.2
87.5	7.8	8.7	8.2	7.9	7.4
88.0	5.7	6.3	6.0	5.5	5.0
88.5	4.1	4.6	4.1	3.7	3.4
89.0	2.9	3.2	2.6	2.3	2.1
89.5	1.8	1.8	1.4	1.4	1.3
90.0	0.0	0.0	0.0	0.0	0.0
90.5	0.0	0.0	0.0	0.0	0.0
91.0	0.0	0.0	0.0	0.0	0.0
91.5	0.0	0.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0	0.0	0.0
92.5	0.0	0.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0	0.0	0.0
93.5	0.0	0.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0	0.0	0.0
94.5	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0
95.5	0.0	0.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0	0.0	0.0
96.5	0.0	0.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0	0.0	0.0
98.5	0.0	0.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0	0.0	0.0
99.5	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0
100.5	0.0	0.0	0.0	0.0	0.0
101.0	0.0	0.0	0.0	0.0	0.0
101.5	0.0	0.0	0.0	0.0	0.0
102.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0
103.0	0.0	0.0	0.0	0.0	0.0
103.5	0.0	0.0	0.0	0.0	0.0
104.0	0.0	0.0	0.0	0.0	0.0
104.5	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0
105.5	0.0	0.0	0.0	0.0	0.0
106.0	0.0	0.0	0.0	0.0	0.0
106.5	0.0	0.0	0.0	0.0	0.0
107.0	0.0	0.0	0.0	0.0	0.0
107.5	0.0	0.0	0.0	0.0	0.0
108.0	0.0	0.0	0.0	0.0	0.0
108.5	0.0	0.0	0.0	0.0	0.0
109.0	0.0	0.0	0.0	0.0	0.0
109.5	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0
110.5	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

111.0	0.0	0.0	0.0	0.0	0.0
111.5	0.0	0.0	0.0	0.0	0.0
112.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0
113.0	0.0	0.0	0.0	0.0	0.0
113.5	0.0	0.0	0.0	0.0	0.0
114.0	0.0	0.0	0.0	0.0	0.0
114.5	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0
115.5	0.0	0.0	0.0	0.0	0.0
116.0	0.0	0.0	0.0	0.0	0.0
116.5	0.0	0.0	0.0	0.0	0.0
117.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0
118.0	0.0	0.0	0.0	0.0	0.0
118.5	0.0	0.0	0.0	0.0	0.0
119.0	0.0	0.0	0.0	0.0	0.0
119.5	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0
120.5	0.0	0.0	0.0	0.0	0.0
121.0	0.0	0.0	0.0	0.0	0.0
121.5	0.0	0.0	0.0	0.0	0.0
122.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0
123.0	0.0	0.0	0.0	0.0	0.0
123.5	0.0	0.0	0.0	0.0	0.0
124.0	0.0	0.0	0.0	0.0	0.0
124.5	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0
125.5	0.0	0.0	0.0	0.0	0.0
126.0	0.0	0.0	0.0	0.0	0.0
126.5	0.0	0.0	0.0	0.0	0.0
127.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0
128.0	0.0	0.0	0.0	0.0	0.0
128.5	0.0	0.0	0.0	0.0	0.0
129.0	0.0	0.0	0.0	0.0	0.0
129.5	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0
130.5	0.0	0.0	0.0	0.0	0.0
131.0	0.0	0.0	0.0	0.0	0.0
131.5	0.0	0.0	0.0	0.0	0.0
132.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0
133.0	0.0	0.0	0.0	0.0	0.0
133.5	0.0	0.0	0.0	0.0	0.0
134.0	0.0	0.0	0.0	0.0	0.0
134.5	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0
135.5	0.0	0.0	0.0	0.0	0.0
136.0	0.0	0.0	0.0	0.0	0.0
136.5	0.0	0.0	0.0	0.0	0.0
137.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0
138.0	0.0	0.0	0.0	0.0	0.0
138.5	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

139.0	0.0	0.0	0.0	0.0	0.0
139.5	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0
140.5	0.0	0.0	0.0	0.0	0.0
141.0	0.0	0.0	0.0	0.0	0.0
141.5	0.0	0.0	0.0	0.0	0.0
142.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0
143.0	0.0	0.0	0.0	0.0	0.0
143.5	0.0	0.0	0.0	0.0	0.0
144.0	0.0	0.0	0.0	0.0	0.0
144.5	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0
145.5	0.0	0.0	0.0	0.0	0.0
146.0	0.0	0.0	0.0	0.0	0.0
146.5	0.0	0.0	0.0	0.0	0.0
147.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0
148.0	0.0	0.0	0.0	0.0	0.0
148.5	0.0	0.0	0.0	0.0	0.0
149.0	0.0	0.0	0.0	0.0	0.0
149.5	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0
150.5	0.0	0.0	0.0	0.0	0.0
151.0	0.0	0.0	0.0	0.0	0.0
151.5	0.0	0.0	0.0	0.0	0.0
152.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0
153.0	0.0	0.0	0.0	0.0	0.0
153.5	0.0	0.0	0.0	0.0	0.0
154.0	0.0	0.0	0.0	0.0	0.0
154.5	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0
155.5	0.0	0.0	0.0	0.0	0.0
156.0	0.0	0.0	0.0	0.0	0.0
156.5	0.0	0.0	0.0	0.0	0.0
157.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0
158.0	0.0	0.0	0.0	0.0	0.0
158.5	0.0	0.0	0.0	0.0	0.0
159.0	0.0	0.0	0.0	0.0	0.0
159.5	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0
160.5	0.0	0.0	0.0	0.0	0.0
161.0	0.0	0.0	0.0	0.0	0.0
161.5	0.0	0.0	0.0	0.0	0.0
162.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0
163.0	0.0	0.0	0.0	0.0	0.0
163.5	0.0	0.0	0.0	0.0	0.0
164.0	0.0	0.0	0.0	0.0	0.0
164.5	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0
165.5	0.0	0.0	0.0	0.0	0.0
166.0	0.0	0.0	0.0	0.0	0.0
166.5	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****CANDELA TABULATION - (Cont.)**

167.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0
168.0	0.0	0.0	0.0	0.0	0.0
168.5	0.0	0.0	0.0	0.0	0.0
169.0	0.0	0.0	0.0	0.0	0.0
169.5	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0
170.5	0.0	0.0	0.0	0.0	0.0
171.0	0.0	0.0	0.0	0.0	0.0
171.5	0.0	0.0	0.0	0.0	0.0
172.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0
173.0	0.0	0.0	0.0	0.0	0.0
173.5	0.0	0.0	0.0	0.0	0.0
174.0	0.0	0.0	0.0	0.0	0.0
174.5	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0
175.5	0.0	0.0	0.0	0.0	0.0
176.0	0.0	0.0	0.0	0.0	0.0
176.5	0.0	0.0	0.0	0.0	0.0
177.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0
178.0	0.0	0.0	0.0	0.0	0.0
178.5	0.0	0.0	0.0	0.0	0.0
179.0	0.0	0.0	0.0	0.0	0.0
179.5	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	575.32	N.A.	12.10
0-30	1232.64	N.A.	26.00
0-40	2049.07	N.A.	43.20
0-60	3766.98	N.A.	79.40
0-80	4705.00	N.A.	99.10
0-90	4746.72	N.A.	100.00
10-90	4598.5	N.A.	96.90
20-40	1473.75	N.A.	31.00
20-50	2357.16	N.A.	49.70
40-70	2351.59	N.A.	49.50
60-80	938.02	N.A.	19.80
70-80	304.34	N.A.	6.40
80-90	41.72	N.A.	0.90
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	4746.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	148.21
10-20	427.11
20-30	657.32
30-40	816.43
40-50	883.41
50-60	834.50
60-70	633.68
70-80	304.34
80-90	41.72
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-24-L47-840-CS-SSCA-DIM-UNV AMBIENT 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	78	96	89	83	77	85	80	75	82	78	74	79	75	72	70
3	90	79	71	65	88	78	70	64	75	68	63	72	66	62	69	65	61	59
4	82	70	61	54	80	69	60	54	66	59	53	64	58	53	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	29	25	23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT 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	15.1	16.8	15.5	17.1	17.4	17.5	19.1	17.9	19.5	19.8
	3H	16.7	18.2	17.1	18.5	18.9	19.2	20.6	19.5	21.0	21.3
	4H	17.2	18.6	17.6	18.9	19.3	19.6	21.0	20.0	21.3	21.7
	6H	17.4	18.7	17.8	19.1	19.5	19.7	21.0	20.1	21.4	21.8
	8H	17.5	18.7	17.9	19.1	19.5	19.7	21.0	20.1	21.3	21.7
	12H	17.5	18.7	17.9	19.1	19.5	19.7	20.9	20.1	21.3	21.7

UGR Viewed Endwise

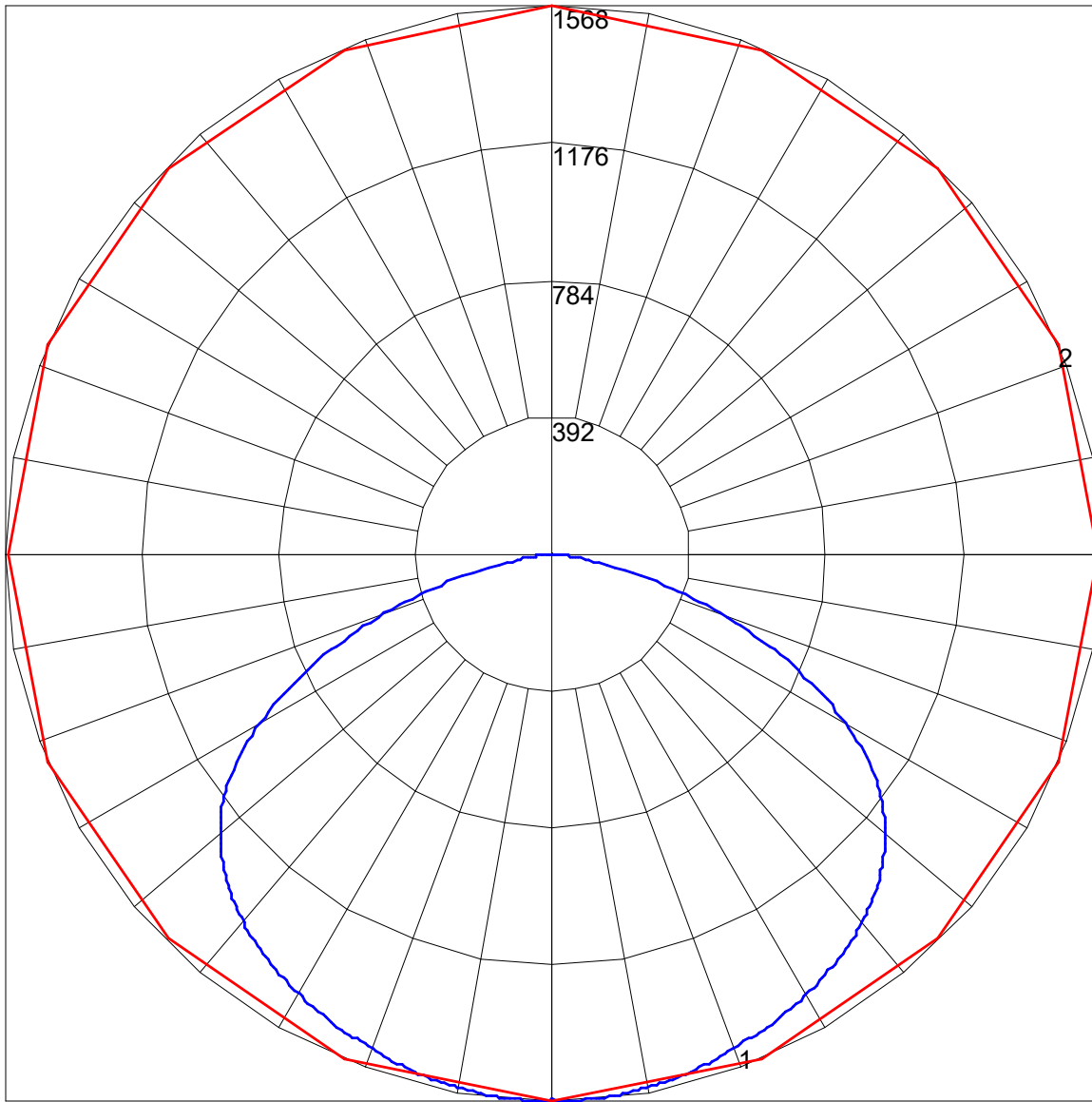
4H	2H	16.2	17.6	16.6	17.9	18.3	18.0	19.4	18.4	19.7	20.1
	3H	17.9	19.1	18.3	19.5	19.9	19.8	21.0	20.2	21.4	21.8
	4H	18.5	19.5	18.9	20.0	20.4	20.4	21.5	20.8	21.9	22.3
	6H	18.8	19.8	19.3	20.2	20.6	20.6	21.5	21.0	21.9	22.4
	8H	18.9	19.7	19.3	20.2	20.7	20.6	21.4	21.0	21.9	22.4
	12H	18.9	19.7	19.4	20.2	20.6	20.6	21.4	21.1	21.8	22.3
8H	4H	18.9	19.7	19.3	20.2	20.6	20.6	21.4	21.0	21.9	22.3
	6H	19.3	20.0	19.8	20.5	21.0	20.8	21.5	21.3	22.0	22.5
	8H	19.4	20.0	19.9	20.5	21.0	20.8	21.4	21.3	21.9	22.4
	12H	19.4	20.0	19.9	20.5	21.0	20.8	21.4	21.3	21.9	22.4
12H	4H	18.9	19.6	19.4	20.1	20.6	20.6	21.3	21.1	21.8	22.3
	6H	19.3	20.0	19.8	20.4	21.0	20.8	21.4	21.3	21.9	22.4
	8H	19.4	20.0	19.9	20.5	21.0	20.8	21.4	21.3	21.9	22.4

Maximum UGR = 22.5

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-24-L47-840-CS-SSCA-DIM-UNV AMBIENT ONLY.IES

POLAR GRAPH



Maximum Candela = 1568 Located At Horizontal Angle = 90, Vertical Angle = .5

1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)

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