



IES INDOOR REPORT
PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV ALL ON.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 15318387.04
[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 ALL ON
[LUMINAIRE] White 2x2 multi-function over-bed medical fixture
[LAMP] 258 LEDs
[BALLAST] 4x Driver Optotronic-30W Oti 30/120-277/1A0 Dim-1 L G2(Ambie
[MORE] nt), 20W, Oti 20/120-277/700 Dim-1 I G2 (Reading),
[MORE] 20W, Oti 20/120-27
[MORE] 7/700 Dim-1 I G2 (Nurse), 85W, Oti 85/120-277/2A3 Dim-1 L (Exam)
[OTHER] 24.1 C, 119.979 V, 0.617356 A, 73.6125 W, 0.993825 PF, 59.9703
[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	8658
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	73.6125
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
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 ALL ON.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11901	12393	13473
55	10714	11574	12794
65	9019	10043	11068
75	6544	7170	6241
85	2117	2122	1955

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3336.0	3336.0	3336.0	3336.0	3336.0
0.5	3322.0	3345.0	3335.0	3338.0	3325.0
1.0	3321.0	3345.0	3335.0	3337.0	3325.0
1.5	3322.0	3344.0	3334.0	3336.0	3325.0
2.0	3324.0	3344.0	3333.0	3335.0	3324.0
2.5	3328.0	3346.0	3332.0	3334.0	3322.0
3.0	3333.0	3349.0	3332.0	3333.0	3321.0
3.5	3336.0	3353.0	3333.0	3331.0	3319.0
4.0	3338.0	3357.0	3335.0	3329.0	3317.0
4.5	3340.0	3359.0	3337.0	3327.0	3314.0
5.0	3340.0	3360.0	3339.0	3324.0	3312.0
5.5	3339.0	3359.0	3339.0	3322.0	3308.0
6.0	3336.0	3357.0	3340.0	3320.0	3304.0
6.5	3331.0	3354.0	3339.0	3318.0	3301.0
7.0	3324.0	3347.0	3337.0	3316.0	3296.0
7.5	3316.0	3339.0	3334.0	3314.0	3293.0
8.0	3309.0	3332.0	3331.0	3312.0	3288.0
8.5	3305.0	3326.0	3326.0	3309.0	3283.0
9.0	3302.0	3323.0	3318.0	3307.0	3279.0
9.5	3300.0	3319.0	3310.0	3304.0	3273.0
10.0	3298.0	3317.0	3301.0	3300.0	3269.0
10.5	3294.0	3314.0	3294.0	3295.0	3261.0
11.0	3289.0	3311.0	3287.0	3291.0	3256.0
11.5	3283.0	3306.0	3281.0	3286.0	3249.0
12.0	3274.0	3299.0	3275.0	3280.0	3242.0
12.5	3264.0	3292.0	3270.0	3274.0	3234.0
13.0	3254.0	3282.0	3265.0	3267.0	3228.0
13.5	3244.0	3271.0	3260.0	3260.0	3219.0
14.0	3231.0	3260.0	3254.0	3253.0	3211.0
14.5	3217.0	3249.0	3247.0	3245.0	3202.0
15.0	3203.0	3236.0	3239.0	3235.0	3193.0
15.5	3188.0	3222.0	3231.0	3226.0	3183.0
16.0	3172.0	3208.0	3220.0	3216.0	3174.0
16.5	3155.0	3193.0	3209.0	3204.0	3163.0
17.0	3138.0	3175.0	3197.0	3193.0	3154.0
17.5	3121.0	3158.0	3185.0	3181.0	3143.0
18.0	3105.0	3140.0	3173.0	3169.0	3133.0
18.5	3090.0	3124.0	3159.0	3157.0	3123.0
19.0	3076.0	3107.0	3145.0	3145.0	3113.0
19.5	3063.0	3092.0	3129.0	3133.0	3102.0
20.0	3049.0	3078.0	3114.0	3121.0	3091.0
20.5	3034.0	3063.0	3099.0	3110.0	3080.0
21.0	3019.0	3049.0	3083.0	3099.0	3068.0
21.5	3003.0	3034.0	3067.0	3088.0	3056.0
22.0	2986.0	3018.0	3049.0	3077.0	3044.0
22.5	2969.0	3002.0	3031.0	3066.0	3032.0
23.0	2952.0	2986.0	3013.0	3054.0	3019.0
23.5	2935.0	2969.0	2996.0	3043.0	3006.0
24.0	2918.0	2951.0	2978.0	3031.0	2994.0
24.5	2900.0	2934.0	2961.0	3019.0	2981.0
25.0	2882.0	2917.0	2946.0	3007.0	2968.0
25.5	2863.0	2898.0	2930.0	2994.0	2956.0
26.0	2843.0	2880.0	2914.0	2982.0	2942.0
26.5	2825.0	2862.0	2898.0	2969.0	2929.0

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

27.0	2804.0	2843.0	2882.0	2955.0	2915.0
27.5	2783.0	2824.0	2865.0	2940.0	2900.0
28.0	2762.0	2805.0	2848.0	2926.0	2885.0
28.5	2741.0	2784.0	2831.0	2911.0	2869.0
29.0	2719.0	2763.0	2813.0	2894.0	2852.0
29.5	2697.0	2742.0	2795.0	2877.0	2833.0
30.0	2675.0	2721.0	2777.0	2860.0	2812.0
30.5	2652.0	2699.0	2758.0	2842.0	2789.0
31.0	2630.0	2677.0	2739.0	2821.0	2766.0
31.5	2607.0	2654.0	2719.0	2799.0	2744.0
32.0	2586.0	2631.0	2699.0	2775.0	2721.0
32.5	2564.0	2608.0	2679.0	2748.0	2701.0
33.0	2541.0	2585.0	2658.0	2723.0	2678.0
33.5	2519.0	2562.0	2637.0	2696.0	2654.0
34.0	2496.0	2539.0	2616.0	2671.0	2631.0
34.5	2473.0	2516.0	2595.0	2645.0	2610.0
35.0	2450.0	2492.0	2573.0	2620.0	2590.0
35.5	2427.0	2470.0	2551.0	2594.0	2572.0
36.0	2405.0	2446.0	2528.0	2567.0	2555.0
36.5	2382.0	2422.0	2505.0	2542.0	2539.0
37.0	2359.0	2399.0	2481.0	2518.0	2525.0
37.5	2336.0	2376.0	2458.0	2495.0	2509.0
38.0	2312.0	2352.0	2433.0	2474.0	2494.0
38.5	2289.0	2329.0	2408.0	2453.0	2478.0
39.0	2264.0	2305.0	2381.0	2434.0	2463.0
39.5	2240.0	2281.0	2353.0	2415.0	2446.0
40.0	2216.0	2258.0	2325.0	2396.0	2429.0
40.5	2192.0	2234.0	2296.0	2377.0	2411.0
41.0	2167.0	2211.0	2268.0	2358.0	2392.0
41.5	2142.0	2186.0	2240.0	2340.0	2372.0
42.0	2118.0	2162.0	2212.0	2320.0	2349.0
42.5	2093.0	2137.0	2183.0	2301.0	2327.0
43.0	2067.0	2113.0	2154.0	2281.0	2305.0
43.5	2040.0	2088.0	2125.0	2260.0	2283.0
44.0	2013.0	2063.0	2097.0	2238.0	2261.0
44.5	1987.0	2036.0	2069.0	2213.0	2240.0
45.0	1961.0	2010.0	2042.0	2188.0	2220.0
45.5	1935.0	1984.0	2017.0	2164.0	2196.0
46.0	1909.0	1958.0	1992.0	2140.0	2170.0
46.5	1883.0	1932.0	1968.0	2116.0	2143.0
47.0	1857.0	1905.0	1945.0	2091.0	2117.0
47.5	1830.0	1879.0	1924.0	2065.0	2090.0
48.0	1804.0	1853.0	1901.0	2038.0	2064.0
48.5	1778.0	1826.0	1878.0	2010.0	2040.0
49.0	1753.0	1799.0	1855.0	1982.0	2016.0
49.5	1727.0	1773.0	1831.0	1953.0	1991.0
50.0	1701.0	1746.0	1806.0	1926.0	1964.0
50.5	1674.0	1720.0	1782.0	1898.0	1939.0
51.0	1648.0	1693.0	1758.0	1872.0	1915.0
51.5	1620.0	1667.0	1733.0	1846.0	1891.0
52.0	1593.0	1640.0	1709.0	1818.0	1865.0
52.5	1567.0	1613.0	1682.0	1791.0	1840.0
53.0	1540.0	1587.0	1656.0	1765.0	1816.0
53.5	1513.0	1561.0	1629.0	1740.0	1791.0
54.0	1486.0	1533.0	1602.0	1716.0	1765.0
54.5	1459.0	1506.0	1575.0	1690.0	1738.0

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55.0	1432.0	1478.0	1547.0	1665.0	1710.0
55.5	1405.0	1451.0	1517.0	1638.0	1681.0
56.0	1378.0	1422.0	1487.0	1611.0	1653.0
56.5	1351.0	1394.0	1457.0	1584.0	1624.0
57.0	1324.0	1366.0	1428.0	1556.0	1595.0
57.5	1297.0	1338.0	1398.0	1527.0	1565.0
58.0	1270.0	1309.0	1369.0	1497.0	1535.0
58.5	1243.0	1279.0	1340.0	1468.0	1505.0
59.0	1216.0	1250.0	1312.0	1437.0	1473.0
59.5	1189.0	1221.0	1286.0	1407.0	1440.0
60.0	1162.0	1192.0	1259.0	1376.0	1406.0
60.5	1135.0	1163.0	1233.0	1344.0	1374.0
61.0	1108.0	1133.0	1207.0	1312.0	1342.0
61.5	1081.0	1103.0	1180.0	1278.0	1310.0
62.0	1053.0	1073.0	1154.0	1244.0	1279.0
62.5	1026.0	1043.0	1127.0	1212.0	1248.0
63.0	998.2	1014.0	1101.0	1179.0	1216.0
63.5	970.8	984.3	1074.0	1146.0	1185.0
64.0	942.8	956.0	1046.0	1113.0	1152.0
64.5	915.1	928.3	1018.0	1081.0	1121.0
65.0	888.2	901.4	989.0	1048.0	1090.0
65.5	860.6	875.1	960.2	1016.0	1059.0
66.0	833.0	848.9	931.7	984.0	1028.0
66.5	806.2	822.9	902.0	952.4	998.9
67.0	779.7	798.0	873.4	921.8	968.7
67.5	755.3	773.8	844.6	892.0	938.0
68.0	729.1	748.8	815.8	862.5	907.2
68.5	703.1	723.1	786.9	832.7	876.6
69.0	678.5	697.5	758.3	803.2	844.8
69.5	655.3	672.8	731.1	772.8	806.3
70.0	630.5	648.7	703.7	743.3	773.7
70.5	606.2	623.5	675.8	714.6	741.1
71.0	582.2	597.6	647.2	685.5	707.2
71.5	558.0	571.5	618.9	654.6	668.8
72.0	533.9	545.9	590.9	623.7	632.3
72.5	509.9	521.0	563.8	591.5	589.2
73.0	486.4	496.4	537.4	558.1	546.7
73.5	462.8	472.5	510.6	523.1	502.9
74.0	439.3	449.1	484.2	486.1	456.0
74.5	416.8	426.6	458.3	447.5	413.6
75.0	394.7	404.6	432.4	406.4	376.4
75.5	373.0	382.5	406.4	364.7	342.1
76.0	351.8	361.0	380.8	326.2	316.2
76.5	331.0	339.7	355.3	294.3	293.1
77.0	310.4	318.3	328.9	268.1	268.1
77.5	289.9	297.8	302.8	245.8	243.1
78.0	270.1	277.3	276.4	223.8	218.8
78.5	250.8	256.9	248.3	202.2	196.5
79.0	231.8	236.7	220.4	179.7	170.3
79.5	212.8	216.8	194.8	156.5	157.5
80.0	193.9	197.7	173.0	139.9	144.9
80.5	176.2	179.0	154.3	127.5	131.9
81.0	158.6	160.3	137.5	116.1	117.7
81.5	141.0	143.3	121.2	105.2	106.4
82.0	122.9	126.3	105.2	94.6	95.3
82.5	106.0	110.4	91.8	84.2	83.8

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

83.0	87.9	94.5	80.6	74.1	73.3
83.5	74.4	79.7	70.1	64.6	63.7
84.0	62.8	65.8	60.4	56.0	55.1
84.5	52.3	54.2	51.4	48.1	47.1
85.0	43.0	44.6	43.1	40.8	39.7
85.5	34.9	36.6	35.6	33.9	33.0
86.0	28.1	29.8	28.9	28.1	27.5
86.5	22.5	23.8	22.8	23.1	22.8
87.0	17.6	18.6	17.7	18.5	18.2
87.5	13.5	14.0	13.4	14.0	13.9
88.0	9.7	10.1	9.6	10.2	10.4
88.5	5.9	6.6	6.4	6.8	7.4
89.0	4.2	3.6	3.6	3.6	4.3
89.5	3.1	1.9	1.8	1.5	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

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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-22-L27-840-CS-SSCA-DIM-UNV ALL ON.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-22-L27-840-CS-SSCA-DIM-UNV ALL ON.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-22-L27-840-CS-SSCA-DIM-UNV ALL ON.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1225.69	N.A.	14.20
0-30	2584.2	N.A.	29.80
0-40	4181.33	N.A.	48.30
0-60	7182.23	N.A.	83.00
0-80	8595.77	N.A.	99.30
0-90	8658.37	N.A.	100.00
10-90	8341.11	N.A.	96.30
20-40	2955.64	N.A.	34.10
20-50	4561.93	N.A.	52.70
40-70	3974.4	N.A.	45.90
60-80	1413.54	N.A.	16.30
70-80	440.04	N.A.	5.10
80-90	62.60	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	8658.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	317.27
10-20	908.42
20-30	1358.5
30-40	1597.14
40-50	1606.28
50-60	1394.62
60-70	973.50
70-80	440.04
80-90	62.60
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 ALL ON.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	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV ALL ON.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	20.2	21.8	20.5	22.1	22.4	21.2	22.8	21.5	23.1	23.4
	3H	21.6	23.0	22.0	23.4	23.7	22.7	24.1	23.1	24.4	24.8
	4H	22.0	23.4	22.4	23.7	24.1	23.0	24.4	23.4	24.7	25.1
	6H	22.3	23.5	22.7	23.9	24.3	23.1	24.4	23.5	24.7	25.1
	8H	22.3	23.5	22.7	23.9	24.3	23.1	24.3	23.5	24.7	25.1
	12H	22.3	23.4	22.7	23.8	24.3	23.1	24.2	23.5	24.6	25.0

UGR Viewed Endwise

4H	2H	20.8	22.2	21.2	22.5	22.9	21.6	23.0	22.0	23.3	23.7
	3H	22.4	23.5	22.8	23.9	24.3	23.3	24.5	23.8	24.9	25.3
	4H	23.0	24.0	23.4	24.4	24.8	23.8	24.8	24.2	25.2	25.6
	6H	23.3	24.2	23.7	24.6	25.1	23.9	24.8	24.4	25.2	25.7
	8H	23.3	24.2	23.8	24.6	25.1	23.9	24.7	24.4	25.2	25.6
	12H	23.3	24.1	23.8	24.6	25.0	23.9	24.6	24.4	25.1	25.6

8H	4H	23.2	24.0	23.6	24.4	24.9	23.9	24.7	24.4	25.2	25.6
	6H	23.5	24.2	24.0	24.7	25.2	24.0	24.7	24.5	25.2	25.7
	8H	23.6	24.2	24.1	24.7	25.2	24.1	24.7	24.6	25.2	25.7
	12H	23.6	24.2	24.2	24.7	25.2	24.1	24.6	24.6	25.1	25.7

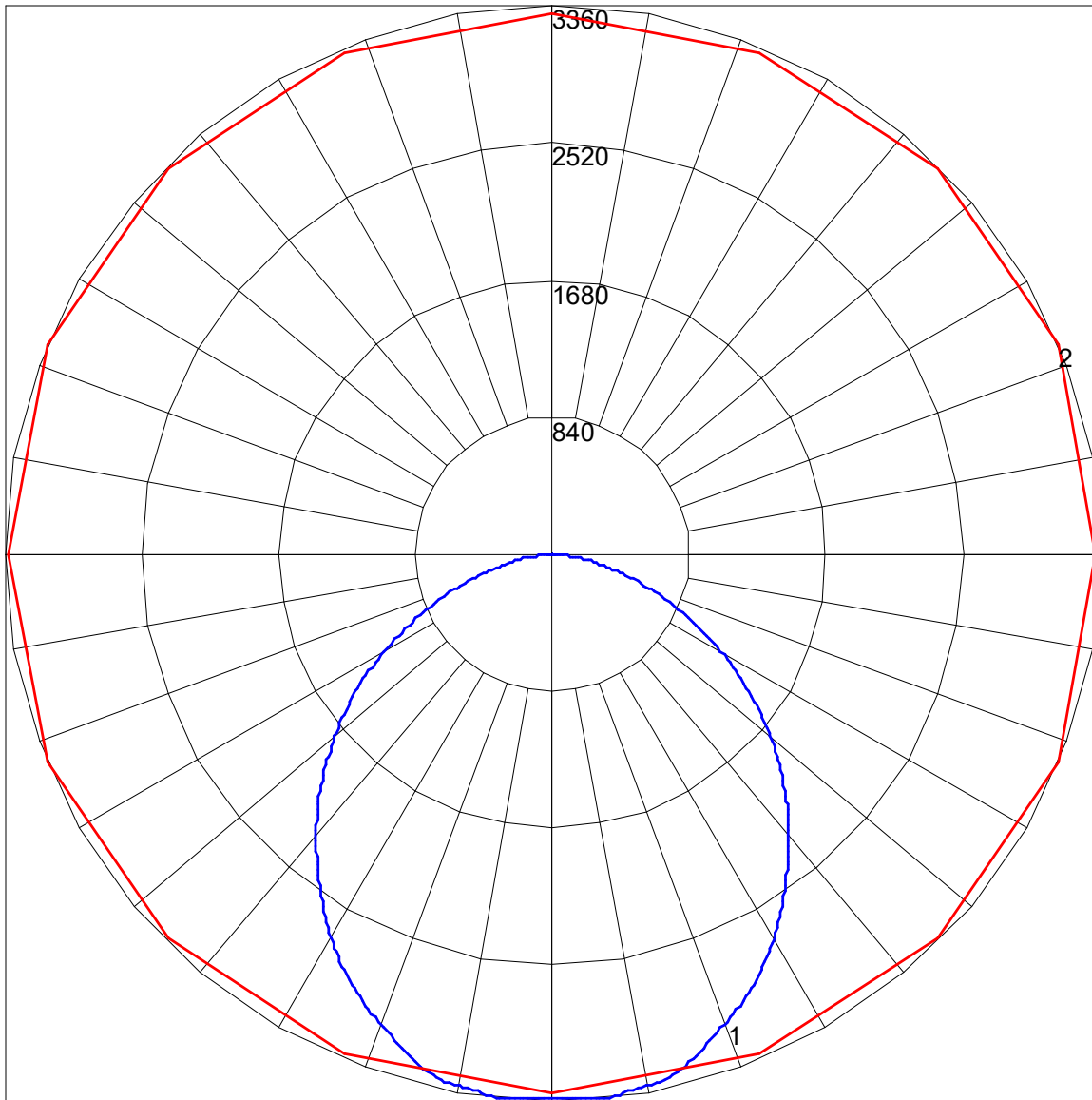
12H	4H	23.2	23.9	23.7	24.4	24.8	23.9	24.6	24.4	25.1	25.6
	6H	23.6	24.2	24.1	24.6	25.2	24.1	24.7	24.6	25.1	25.7
	8H	23.6	24.2	24.1	24.7	25.2	24.1	24.6	24.6	25.1	25.7

Maximum UGR = 25.7

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MCTMBAERNX-22-L27-840-CS-SSCA-DIM-UNV ALL ON.IES

POLAR GRAPH



Maximum Candela = 3360 Located At Horizontal Angle = 22.5, Vertical Angle = 5

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

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