



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15177918.03 & #15177918.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 2/23/2026

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD

[LUMINAIRE] White linear extruded luminaire with up and downlight

[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)

[BALLAST] OTI50/120-277/1A4 DIM-1 L G2 #57452

[OTHER] 24.8 C, 119.951 V, 0.4435 A, 52.6728 W, 0.990119 PF, 60.0072 H

[OTHER] This test was performed using the calibrated photodetector

[MORE] method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8323
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	67.7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13477	13140	12990
55	12389	12089	11962
65	11427	11151	11030
75	9690	9685	9680
85	7568	7872	8100

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1955.595	1955.595	1955.595	1955.595	1955.595
0.5	1985.126	1957.236	1947.392	1951.494	1944.931
1.0	1985.126	1956.416	1947.392	1951.494	1944.931
1.5	1984.306	1955.595	1946.572	1951.494	1944.111
2.0	1983.485	1954.775	1945.752	1950.673	1944.111
2.5	1982.665	1953.955	1944.111	1949.853	1943.291
3.0	1981.024	1952.314	1943.291	1949.033	1941.650
3.5	1979.384	1950.673	1941.650	1947.392	1940.009
4.0	1977.743	1949.033	1940.009	1945.752	1938.369
4.5	1976.103	1946.572	1938.369	1944.111	1935.908
5.0	1974.462	1944.931	1935.908	1941.650	1933.447
5.5	1972.001	1942.470	1933.447	1939.189	1930.986
6.0	1969.540	1939.189	1930.986	1936.728	1927.705
6.5	1966.259	1936.728	1927.705	1933.447	1925.244
7.0	1963.798	1933.447	1925.244	1930.166	1921.963
7.5	1961.337	1930.166	1921.963	1926.885	1919.502
8.0	1957.236	1926.885	1917.861	1923.603	1916.221
8.5	1953.955	1922.783	1913.760	1919.502	1912.119
9.0	1949.853	1919.502	1910.479	1915.400	1908.018
9.5	1945.752	1915.400	1905.557	1910.479	1903.916
10.0	1941.650	1911.299	1901.455	1906.377	1898.995
10.5	1936.728	1906.377	1896.534	1901.455	1894.893
11.0	1932.627	1901.455	1891.612	1896.534	1889.151
11.5	1926.885	1896.534	1886.690	1891.612	1884.229
12.0	1921.963	1891.612	1881.768	1885.870	1878.487
12.5	1917.041	1885.870	1876.026	1880.128	1872.745
13.0	1911.299	1880.948	1870.284	1874.386	1867.003
13.5	1905.557	1874.386	1864.542	1867.823	1861.261
14.0	1899.815	1868.643	1857.979	1862.081	1855.519
14.5	1894.073	1862.901	1851.417	1855.519	1848.956
15.0	1888.331	1856.339	1844.855	1848.956	1842.394
15.5	1880.948	1850.597	1838.292	1841.573	1835.011
16.0	1872.745	1844.034	1830.910	1835.011	1828.449
16.5	1864.542	1836.652	1823.527	1827.628	1821.066
17.0	1857.159	1829.269	1816.144	1820.246	1813.683
17.5	1848.956	1821.066	1807.941	1812.043	1805.480
18.0	1840.753	1812.863	1799.738	1803.840	1797.277
18.5	1832.550	1804.660	1791.535	1794.816	1789.074
19.0	1824.347	1796.457	1784.152	1786.613	1779.231
19.5	1815.324	1788.254	1775.949	1776.770	1769.387
20.0	1807.121	1779.231	1768.567	1767.746	1759.543
20.5	1798.098	1771.028	1760.364	1757.903	1749.700
21.0	1789.074	1762.004	1751.341	1748.059	1739.036
21.5	1779.231	1752.981	1741.497	1738.216	1728.372
22.0	1770.207	1743.138	1730.833	1727.552	1718.528
22.5	1760.364	1733.294	1720.989	1716.888	1707.865
23.0	1750.520	1723.450	1711.146	1705.404	1697.201
23.5	1740.677	1713.607	1700.482	1694.740	1687.357
24.0	1730.013	1703.763	1690.638	1684.076	1676.693
24.5	1719.349	1693.099	1679.974	1673.412	1666.029
25.0	1709.505	1682.435	1669.311	1662.748	1655.365
25.5	1698.841	1671.771	1657.826	1652.084	1643.881
26.0	1687.357	1660.287	1647.162	1641.420	1633.217
26.5	1676.693	1649.623	1635.678	1630.756	1622.553

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27.0	1665.209	1638.139	1624.194	1620.092	1611.069
27.5	1653.725	1626.655	1613.530	1609.429	1600.405
28.0	1642.241	1614.350	1601.226	1597.944	1588.921
28.5	1629.936	1602.046	1589.741	1587.281	1577.437
29.0	1617.632	1590.562	1578.257	1575.796	1565.953
29.5	1606.147	1578.257	1566.773	1563.492	1555.289
30.0	1593.843	1565.953	1555.289	1552.008	1543.805
30.5	1581.538	1553.648	1542.984	1540.523	1532.320
31.0	1568.414	1542.164	1530.680	1528.219	1520.836
31.5	1556.109	1529.860	1518.375	1515.914	1508.532
32.0	1542.984	1516.735	1506.071	1502.790	1496.227
32.5	1529.860	1504.430	1493.766	1490.485	1483.102
33.0	1516.735	1492.126	1481.462	1478.181	1469.978
33.5	1504.430	1479.001	1468.337	1465.056	1457.673
34.0	1490.485	1465.876	1456.033	1451.931	1444.548
34.5	1477.360	1452.751	1442.087	1438.806	1430.603
35.0	1464.236	1440.447	1428.963	1425.681	1416.658
35.5	1450.290	1426.502	1415.838	1412.557	1402.713
36.0	1436.345	1413.377	1402.713	1398.611	1389.588
36.5	1423.220	1400.252	1389.588	1385.487	1376.463
37.0	1409.275	1386.307	1375.643	1371.542	1362.518
37.5	1395.330	1372.362	1362.518	1357.597	1349.393
38.0	1380.565	1358.417	1348.573	1343.651	1335.448
38.5	1366.620	1344.472	1334.628	1330.527	1321.503
39.0	1353.495	1330.527	1320.683	1316.582	1308.379
39.5	1338.730	1316.582	1307.558	1302.636	1293.613
40.0	1324.784	1301.816	1293.613	1288.691	1280.488
40.5	1310.019	1287.871	1279.668	1274.746	1266.543
41.0	1296.074	1273.106	1265.723	1259.981	1251.778
41.5	1281.309	1259.160	1250.957	1246.036	1237.012
42.0	1267.363	1244.395	1237.012	1232.091	1223.067
42.5	1253.418	1230.450	1223.067	1217.325	1209.122
43.0	1238.653	1216.505	1209.122	1203.380	1194.357
43.5	1224.708	1201.739	1194.357	1189.435	1180.412
44.0	1209.943	1186.974	1179.591	1174.670	1166.467
44.5	1195.177	1172.209	1164.826	1159.904	1151.701
45.0	1180.412	1158.264	1150.881	1145.139	1137.756
45.5	1166.467	1143.498	1136.116	1131.194	1123.811
46.0	1151.701	1128.733	1121.350	1116.428	1109.866
46.5	1136.936	1113.967	1107.405	1102.483	1095.921
47.0	1122.170	1099.202	1092.640	1087.718	1081.155
47.5	1106.585	1084.437	1077.874	1072.952	1067.210
48.0	1091.819	1069.671	1063.109	1059.007	1052.445
48.5	1077.054	1054.906	1049.164	1044.242	1037.679
49.0	1061.468	1040.140	1034.398	1029.476	1023.734
49.5	1046.703	1025.375	1019.633	1015.531	1009.789
50.0	1031.117	1010.610	1004.867	1000.766	995.024
50.5	1015.531	995.844	990.102	986.001	981.079
51.0	999.946	981.079	975.337	971.235	966.313
51.5	985.180	966.313	960.571	957.290	951.548
52.0	970.415	951.548	945.806	942.525	937.603
52.5	954.829	936.783	931.040	928.580	922.837
53.0	940.064	922.017	916.275	913.814	908.072
53.5	924.478	907.252	901.510	899.049	893.307
54.0	909.713	892.486	887.565	885.104	878.541
54.5	894.947	878.541	872.799	870.338	863.776

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55.0	880.182	864.596	858.854	856.393	849.831
55.5	866.237	849.831	844.089	841.628	835.886
56.0	850.651	835.065	829.323	827.683	821.120
56.5	835.886	821.120	814.968	813.163	806.683
57.0	821.941	806.355	800.449	798.480	792.328
57.5	807.503	792.082	786.011	784.207	777.808
58.0	793.066	777.973	771.492	769.852	763.453
58.5	778.547	763.781	757.219	755.742	749.672
59.0	764.274	749.508	742.864	741.469	735.645
59.5	750.410	735.071	728.262	727.278	721.782
60.0	736.219	720.716	713.825	713.005	707.673
60.5	722.192	706.688	699.880	698.650	693.400
61.0	708.411	692.661	686.017	684.622	679.454
61.5	693.646	678.798	672.236	670.677	665.673
62.0	679.126	664.525	657.963	656.814	651.564
62.5	664.279	651.318	644.510	643.607	638.193
63.0	650.006	639.670	634.174	633.764	629.334
63.5	635.568	626.955	622.608	621.705	617.112
64.0	626.873	614.569	610.631	608.827	603.577
64.5	613.338	601.362	597.096	595.456	590.534
65.0	598.163	587.253	583.725	582.167	577.409
65.5	582.659	572.980	569.780	569.042	564.202
66.0	567.730	559.034	556.163	555.835	550.667
66.5	552.964	544.761	542.300	542.300	537.707
67.0	538.363	530.570	528.601	528.847	524.664
67.5	524.008	516.625	514.820	515.312	511.211
68.0	509.488	502.680	501.039	501.695	497.430
68.5	494.887	488.489	487.176	488.079	483.895
69.0	479.793	474.215	473.231	473.723	469.868
69.5	465.110	460.188	459.040	459.614	456.087
70.0	450.591	445.997	445.177	445.423	442.306
70.5	436.318	431.724	431.150	431.396	428.443
71.0	421.716	417.533	417.369	417.697	414.498
71.5	407.115	403.342	403.670	403.916	401.127
72.0	392.924	389.068	389.725	390.053	387.674
72.5	378.733	375.041	376.108	376.436	374.467
73.0	364.705	361.342	362.819	363.229	361.506
73.5	351.088	347.807	349.530	350.268	348.381
74.0	337.635	334.272	336.405	336.979	335.749
74.5	324.183	320.983	323.362	323.936	323.034
75.0	310.648	307.777	310.484	311.058	310.319
75.5	297.277	294.570	297.687	298.425	297.605
76.0	283.742	281.855	285.054	285.875	285.218
76.5	270.945	269.304	272.504	273.406	272.832
77.0	258.477	256.672	260.199	261.019	260.117
77.5	245.598	244.367	247.895	248.551	247.649
78.0	233.047	232.063	235.590	236.575	235.672
78.5	220.579	220.086	223.450	224.598	223.860
79.0	208.602	208.110	211.555	212.950	212.376
79.5	196.626	196.380	199.825	201.302	200.809
80.0	184.814	184.896	188.095	190.146	189.489
80.5	172.919	173.658	176.939	178.907	178.415
81.0	161.517	162.665	165.865	167.915	167.587
81.5	150.525	151.756	155.037	157.087	156.841
82.0	140.271	141.092	144.455	146.588	146.342
82.5	130.018	130.756	134.037	136.170	136.006

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83.0	119.764	120.912	123.783	125.998	126.162
83.5	109.674	111.069	113.858	115.990	116.483
84.0	100.241	101.389	104.014	106.065	106.803
84.5	90.643	91.874	94.335	96.385	97.124
85.0	81.702	82.686	84.983	86.788	87.444
85.5	73.007	73.499	75.468	77.354	78.011
86.0	64.476	64.640	66.362	68.085	68.905
86.5	56.026	56.026	57.585	59.144	59.882
87.0	47.495	47.495	48.644	50.613	51.187
87.5	39.046	39.128	40.195	42.163	42.902
88.0	31.007	30.925	31.992	34.124	34.945
88.5	23.297	22.804	24.199	26.086	27.234
89.0	15.094	14.847	16.734	18.539	19.769
89.5	6.973	8.285	10.008	11.402	11.812
90.0	0.000	0.000	0.000	0.000	0.000
90.5	3.397	1.790	1.652	1.607	1.744
91.0	7.482	3.947	3.213	3.167	3.121
91.5	12.026	8.033	4.774	4.728	4.682
92.0	16.616	13.357	6.885	6.151	6.151
92.5	21.389	18.865	10.649	7.711	7.574
93.0	26.347	24.143	15.055	10.236	9.226
93.5	31.350	29.192	19.783	13.816	12.026
94.0	36.261	34.150	25.015	18.085	15.835
94.5	41.310	39.107	30.478	22.491	19.966
95.0	46.267	44.202	35.848	26.989	24.052
95.5	51.224	48.975	41.081	31.625	28.366
96.0	55.952	53.841	46.221	36.445	32.773
96.5	60.726	58.706	51.362	41.356	37.317
97.0	65.362	63.480	56.457	46.267	42.136
97.5	70.135	68.299	61.598	51.270	46.956
98.0	74.863	73.027	66.601	56.227	51.821
98.5	79.591	77.800	71.420	61.276	56.687
99.0	84.410	82.712	76.332	66.096	61.598
99.5	89.275	87.577	81.289	70.915	66.417
100.0	94.049	92.489	86.246	75.873	71.145
100.5	99.006	97.400	91.203	81.013	75.919
101.0	104.101	102.311	96.252	86.200	81.105
101.5	109.288	107.314	101.393	91.387	86.476
102.0	114.337	112.501	106.534	96.574	91.800
102.5	119.615	117.642	111.858	101.760	97.079
103.0	125.032	122.966	117.137	106.901	102.449
103.5	130.448	128.382	122.737	112.409	107.773
104.0	136.002	133.844	128.428	118.101	113.327
104.5	141.739	139.536	134.120	123.930	118.881
105.0	147.614	145.365	139.766	129.667	124.527
105.5	153.627	151.286	145.595	135.451	130.126
106.0	159.732	157.253	151.516	141.326	135.726
106.5	165.883	163.404	157.712	147.247	141.372
107.0	172.446	169.830	164.322	153.536	147.523
107.5	179.239	176.440	171.023	160.191	154.178
108.0	185.987	183.233	177.863	167.397	161.017
108.5	193.101	190.164	184.702	174.604	168.086
109.0	200.399	197.232	191.724	181.902	175.246
109.5	207.881	204.576	199.114	189.154	182.498
110.0	215.868	212.104	206.688	196.590	190.072
110.5	224.038	219.815	214.445	204.576	197.921

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111.0	232.300	227.893	222.477	212.884	205.816
111.5	240.745	236.201	230.648	221.330	213.940
112.0	249.512	244.739	238.772	229.775	221.697
112.5	258.325	253.506	246.988	238.175	229.913
113.0	267.551	262.548	255.663	246.850	238.496
113.5	277.052	272.003	264.843	256.214	247.722
114.0	286.691	281.642	274.574	266.174	257.958
114.5	296.652	291.603	284.488	276.548	268.836
115.0	306.750	301.838	294.770	287.013	279.852
115.5	317.307	312.166	305.327	297.432	290.731
116.0	327.955	322.906	316.251	308.402	301.793
116.5	339.201	333.923	327.542	319.648	313.589
117.0	350.906	345.168	338.926	331.765	325.752
117.5	359.535	353.935	349.345	342.919	338.099
118.0	370.551	364.171	360.040	354.440	349.070
118.5	383.357	376.380	370.964	365.135	358.938
119.0	395.887	388.406	383.357	377.252	369.908
119.5	408.556	401.212	396.484	389.553	382.209
120.0	421.637	414.477	409.658	403.002	395.199
120.5	434.627	427.926	423.244	417.277	409.061
121.0	448.259	441.650	436.922	431.506	423.795
121.5	461.754	455.236	450.554	445.918	438.207
122.0	475.983	469.098	464.967	460.377	452.666
122.5	489.753	482.868	479.196	474.606	466.344
123.0	503.982	497.556	493.884	490.212	481.491
123.5	518.670	512.244	509.490	505.818	497.097
124.0	533.358	527.391	524.637	521.424	513.162
124.5	548.046	542.079	539.784	536.571	528.768
125.0	562.734	556.767	554.472	551.718	543.915
125.5	577.881	571.914	569.619	566.865	558.603
126.0	592.569	586.602	585.225	582.012	573.291
126.5	607.257	601.290	600.831	598.077	588.897
127.0	622.404	616.437	616.437	614.142	605.421
127.5	637.551	631.125	631.125	629.748	621.945
128.0	652.239	645.813	646.272	645.354	637.551
128.5	666.927	660.042	660.960	660.960	652.698
129.0	681.615	674.271	675.648	676.107	668.304
129.5	696.303	688.959	690.795	691.713	684.369
130.0	710.991	703.647	705.942	707.319	701.352
130.5	725.679	717.876	721.548	722.466	717.417
131.0	740.367	732.105	736.236	737.154	732.105
131.5	754.137	745.875	750.924	750.924	746.334
132.0	768.366	759.645	765.153	765.612	760.104
132.5	782.136	773.874	779.382	779.841	773.874
133.0	795.906	788.103	793.152	794.070	787.185
133.5	809.676	801.873	807.381	808.299	801.414
134.0	823.446	815.184	820.692	822.069	815.184
134.5	835.839	828.495	833.544	834.462	828.495
135.0	848.232	841.347	845.937	846.855	840.429
135.5	860.166	854.658	858.330	858.789	852.363
136.0	872.100	867.051	869.805	871.182	864.756
136.5	884.493	878.985	881.280	883.575	877.608
137.0	895.968	890.919	893.214	895.050	889.542
137.5	907.443	901.935	904.230	905.607	900.099
138.0	918.459	912.951	914.787	915.705	910.197
138.5	929.475	923.508	925.344	925.803	919.836

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.IES****CANDELA TABULATION - (Cont.)**

139.0	940.032	934.065	935.901	935.901	929.475
139.5	950.589	944.622	945.999	945.540	938.655
140.0	960.687	954.261	956.097	955.638	948.753
140.5	970.326	963.441	965.277	964.818	957.474
141.0	979.965	973.080	974.457	973.539	966.195
141.5	988.686	981.801	983.637	982.260	973.998
142.0	997.866	990.981	992.358	990.522	982.260
142.5	1006.587	999.702	1001.079	999.243	990.063
143.0	1015.308	1007.964	1009.341	1007.505	998.325
143.5	1023.570	1016.685	1017.603	1015.767	1006.128
144.0	1031.373	1024.947	1025.406	1023.111	1013.472
144.5	1039.176	1032.750	1033.209	1030.455	1020.816
145.0	1046.520	1040.553	1040.553	1037.340	1027.701
145.5	1054.323	1048.356	1047.897	1045.143	1035.045
146.0	1061.667	1055.700	1055.241	1052.028	1042.389
146.5	1069.011	1063.044	1062.126	1059.372	1049.733
147.0	1075.896	1070.388	1068.552	1066.716	1057.077
147.5	1082.781	1077.273	1075.437	1073.601	1063.962
148.0	1089.666	1084.158	1081.404	1080.027	1071.306
148.5	1096.551	1091.043	1087.371	1086.453	1078.650
149.0	1102.977	1097.928	1093.338	1092.879	1085.994
149.5	1109.403	1104.354	1098.846	1099.305	1092.879
150.0	1115.829	1110.780	1104.813	1105.272	1099.305
150.5	1122.255	1117.206	1110.321	1110.780	1105.731
151.0	1128.222	1123.173	1115.829	1116.288	1111.698
151.5	1134.648	1129.140	1121.796	1121.796	1117.206
152.0	1140.615	1135.107	1127.304	1126.845	1122.714
152.5	1146.582	1140.615	1132.812	1132.353	1127.763
153.0	1152.549	1146.123	1138.320	1137.861	1132.353
153.5	1158.057	1151.631	1143.828	1143.369	1136.484
154.0	1163.565	1157.139	1149.795	1148.877	1141.074
154.5	1169.532	1162.188	1155.303	1153.926	1145.664
155.0	1175.040	1167.237	1160.811	1159.434	1150.713
155.5	1180.089	1171.827	1166.319	1164.942	1155.762
156.0	1185.138	1176.876	1172.286	1169.991	1160.811
156.5	1190.187	1181.925	1177.794	1175.499	1165.860
157.0	1195.236	1186.974	1183.302	1181.007	1170.909
157.5	1199.826	1191.564	1188.351	1186.056	1175.958
158.0	1204.416	1196.154	1193.400	1191.105	1181.007
158.5	1209.465	1201.203	1198.449	1196.154	1186.515
159.0	1213.596	1205.793	1203.039	1201.203	1191.564
159.5	1218.186	1210.383	1207.629	1206.252	1196.613
160.0	1222.317	1214.514	1212.219	1210.842	1201.662
160.5	1226.448	1218.645	1216.350	1215.432	1206.711
161.0	1230.579	1222.776	1220.481	1220.022	1211.760
161.5	1234.710	1227.366	1224.153	1224.612	1216.809
162.0	1239.300	1231.497	1227.825	1229.202	1221.399
162.5	1243.431	1235.628	1231.497	1233.333	1225.530
163.0	1247.562	1239.759	1235.169	1237.464	1229.661
163.5	1251.693	1243.431	1238.841	1241.595	1233.333
164.0	1255.824	1247.103	1242.054	1245.267	1237.005
164.5	1259.037	1250.775	1245.267	1248.939	1240.677
165.0	1262.709	1254.447	1248.480	1252.611	1243.890
165.5	1266.381	1257.660	1251.693	1255.824	1247.103
166.0	1270.053	1260.873	1254.906	1259.037	1249.857
166.5	1273.725	1264.086	1258.119	1261.791	1253.070

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.IES****CANDELA TABULATION - (Cont.)**

167.0	1276.938	1266.840	1260.873	1264.545	1255.824
167.5	1280.151	1269.594	1264.086	1267.299	1259.037
168.0	1283.364	1272.348	1266.840	1270.053	1261.791
168.5	1286.577	1275.102	1269.594	1272.807	1265.004
169.0	1289.331	1277.397	1272.348	1275.102	1267.758
169.5	1291.626	1279.692	1274.643	1277.397	1270.512
170.0	1293.921	1281.987	1276.938	1279.692	1273.725
170.5	1296.216	1284.282	1278.774	1281.987	1276.020
171.0	1298.511	1286.118	1280.610	1284.282	1278.315
171.5	1300.347	1287.954	1282.446	1286.577	1280.610
172.0	1302.183	1289.790	1283.823	1288.413	1282.446
172.5	1304.019	1291.626	1285.200	1289.790	1283.823
173.0	1305.855	1293.462	1286.577	1291.626	1284.741
173.5	1307.232	1294.839	1287.954	1292.544	1285.659
174.0	1308.609	1296.216	1289.331	1293.462	1286.118
174.5	1309.527	1297.134	1290.249	1294.380	1286.577
175.0	1310.445	1298.511	1291.167	1294.839	1286.577
175.5	1311.363	1299.429	1292.544	1295.298	1287.036
176.0	1312.281	1300.347	1293.462	1295.298	1287.036
176.5	1312.740	1301.265	1293.921	1295.757	1287.036
177.0	1313.199	1302.183	1294.839	1295.757	1286.577
177.5	1314.117	1303.101	1295.757	1295.757	1286.577
178.0	1314.576	1303.101	1296.216	1295.757	1287.036
178.5	1314.576	1303.560	1296.675	1295.757	1287.036
179.0	1315.035	1304.019	1296.675	1295.757	1287.036
179.5	1315.494	1304.019	1297.134	1295.757	1287.036
180.0	1299.429	1299.429	1299.429	1299.429	1299.429

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	706.76	N.A.	8.50
0-30	1477.6	N.A.	17.80
0-40	2373.79	N.A.	28.50
0-60	4033.6	N.A.	48.50
0-80	4939.59	N.A.	59.40
0-90	5035.32	N.A.	60.50
10-90	4850.84	N.A.	58.30
20-40	1667.02	N.A.	20.00
20-50	2556.67	N.A.	30.70
40-70	2236.65	N.A.	26.90
60-80	905.99	N.A.	10.90
70-80	329.16	N.A.	4.00
80-90	95.73	N.A.	1.20
90-110	188.05	N.A.	2.30
90-120	482.74	N.A.	5.80
90-130	977.95	N.A.	11.80
90-150	2274.65	N.A.	27.30
90-180	3287.47	N.A.	39.50
110-180	3099.42	N.A.	37.20
0-180	8322.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	184.48
10-20	522.28
20-30	770.84
30-40	896.19
40-50	889.64
50-60	770.17
60-70	576.84
70-80	329.16
80-90	95.73
90-100	40.56
100-110	147.49
110-120	294.69
120-130	495.21
130-140	647.54
140-150	649.16
150-160	536.24
160-170	353.36
170-180	123.23

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	88	93	90	86	83	78	76	73	68	66	64	58	57	55	51
2	91	84	77	72	85	78	73	68	69	64	61	59	56	54	51	49	47	43
3	83	73	66	60	77	69	62	57	60	55	51	53	49	45	45	42	40	36
4	76	65	57	51	71	61	54	48	54	48	44	47	42	39	41	37	34	31
5	70	58	50	44	65	55	47	42	48	42	38	42	37	34	37	33	30	27
6	65	52	44	38	60	49	42	36	43	37	33	38	33	30	33	29	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	21
8	55	43	35	30	52	41	33	28	36	30	26	32	27	23	28	24	21	19
9	52	39	32	26	48	37	30	25	33	27	23	29	25	21	26	22	19	17
10	48	36	29	24	45	34	27	23	31	25	21	27	22	19	24	20	17	15

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.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	17.8	18.7	18.6	19.6	20.7	17.7	18.6	18.5	19.5	20.6
	3H	19.5	20.4	20.4	21.3	22.4	19.4	20.3	20.3	21.2	22.3
	4H	20.2	21.0	21.0	21.9	23.0	20.1	20.9	21.0	21.8	22.9
	6H	20.6	21.3	21.5	22.3	23.4	20.5	21.3	21.5	22.2	23.4
	8H	20.7	21.4	21.6	22.4	23.5	20.7	21.4	21.6	22.3	23.5
	12H	20.8	21.5	21.7	22.4	23.6	20.8	21.5	21.7	22.4	23.6

UGR Viewed Endwise

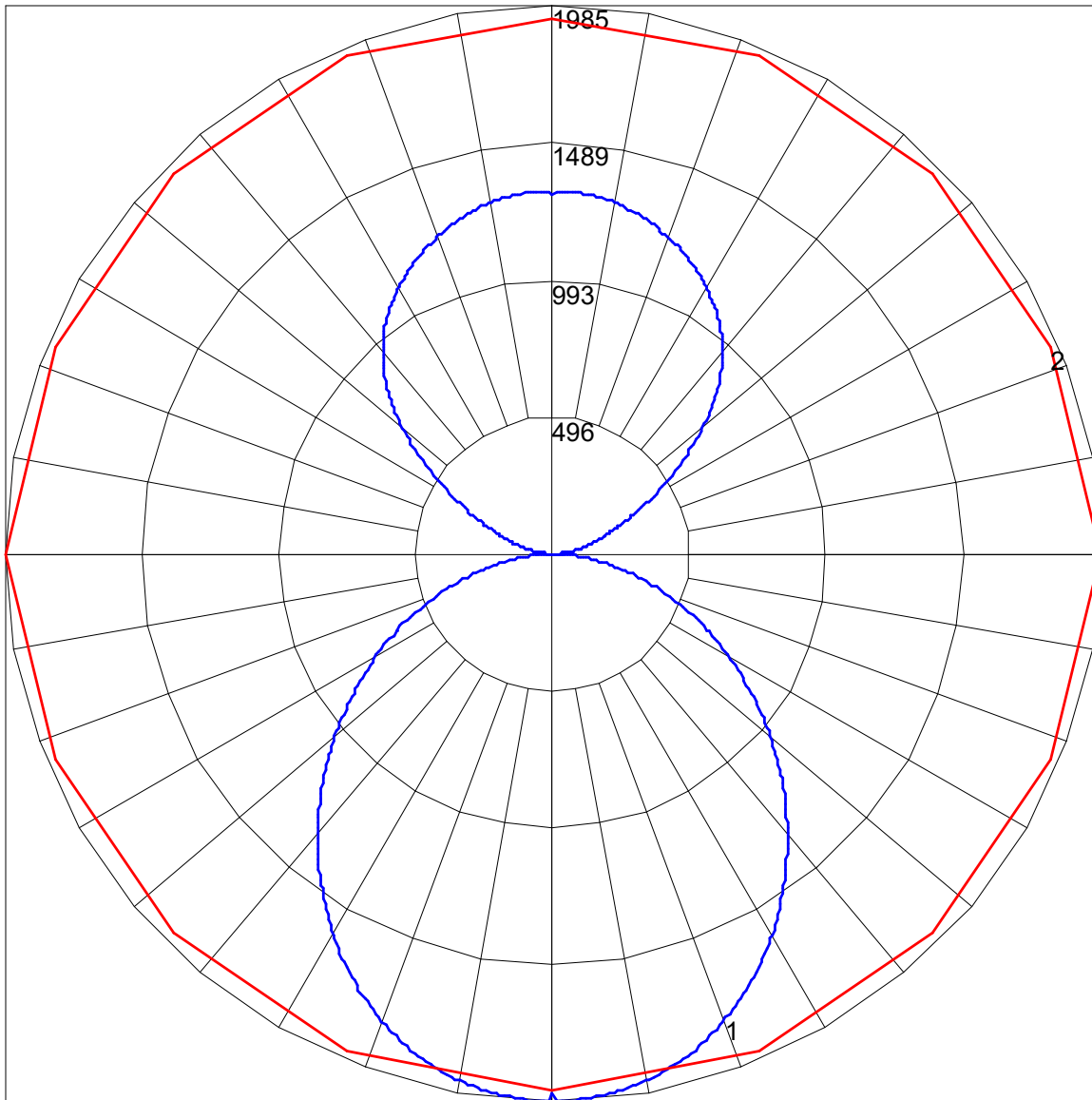
4H	2H	18.3	19.1	19.2	20.0	21.2	18.2	19.0	19.1	20.0	21.1
	3H	20.3	21.0	21.2	21.9	23.1	20.2	20.9	21.1	21.8	23.0
	4H	21.0	21.6	22.0	22.6	23.8	21.0	21.6	21.9	22.5	23.7
	6H	21.6	22.1	22.5	23.1	24.3	21.6	22.1	22.5	23.1	24.3
	8H	21.8	22.3	22.7	23.2	24.4	21.8	22.3	22.7	23.2	24.4
	12H	21.9	22.3	22.9	23.3	24.5	21.9	22.4	22.9	23.3	24.5
8H	4H	21.3	21.8	22.2	22.7	23.9	21.2	21.7	22.2	22.7	23.9
	6H	22.0	22.4	22.9	23.4	24.6	22.0	22.4	22.9	23.4	24.6
	8H	22.2	22.6	23.2	23.6	24.8	22.3	22.6	23.2	23.6	24.8
	12H	22.4	22.8	23.4	23.7	25.0	22.5	22.8	23.4	23.8	25.0
12H	4H	21.3	21.7	22.2	22.7	23.9	21.2	21.7	22.2	22.7	23.9
	6H	22.0	22.4	23.0	23.4	24.6	22.0	22.4	23.0	23.3	24.6
	8H	22.3	22.6	23.3	23.6	24.9	22.3	22.7	23.3	23.6	24.9

Maximum UGR = 25.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4UDC-4'00-L8-835U-L12-835D-F-F-DIMU-DIMD-UNV.IES

POLAR GRAPH



Maximum Candela = 1985.126 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.)