



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13012869.08  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 01/13/2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-UNV  
 [LUMINAIRE] Suspended Direct Indirect Linear LED Luminaire  
 [MORE] w/flat diffused acrylic shielding  
 [LAMP] LED  
 [LAMPCAT] HLMX 80 CRI 3500K CCT, SAMSUNG LM281B+

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10303
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	87.1
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	6.50 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.33 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15891	6255	4679
55	13666	4355	3144
65	11523	2813	1978
75	8749	1506	1056
85	4623	466	347

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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	2199.687	2199.687	2199.687	2199.687	2199.687
0.5	2193.106	2212.849	2194.752	2196.397	2196.397
1.0	2193.106	2211.204	2194.752	2196.397	2196.397
1.5	2193.106	2211.204	2194.752	2196.397	2198.042
2.0	2191.461	2211.204	2193.106	2196.397	2198.042
2.5	2191.461	2209.559	2193.106	2198.042	2198.042
3.0	2189.816	2207.913	2191.461	2196.397	2196.397
3.5	2188.171	2206.268	2189.816	2196.397	2196.397
4.0	2184.880	2204.623	2188.171	2194.752	2194.752
4.5	2183.235	2202.978	2186.525	2193.106	2193.106
5.0	2181.590	2199.687	2183.235	2191.461	2189.816
5.5	2178.299	2198.042	2181.590	2188.171	2186.525
6.0	2175.009	2194.752	2178.299	2184.880	2183.235
6.5	2171.718	2191.461	2175.009	2179.944	2179.944
7.0	2168.428	2188.171	2171.718	2175.009	2175.009
7.5	2163.492	2184.880	2166.782	2170.073	2168.428
8.0	2160.201	2179.944	2163.492	2163.492	2161.847
8.5	2155.266	2175.009	2158.556	2156.911	2155.266
9.0	2150.330	2171.718	2153.620	2150.330	2148.685
9.5	2145.394	2166.782	2148.685	2143.749	2140.459
10.0	2140.459	2161.847	2142.104	2135.523	2130.587
10.5	2135.523	2156.911	2137.168	2128.942	2120.716
11.0	2130.587	2150.330	2128.942	2120.716	2112.489
11.5	2124.006	2143.749	2122.361	2110.844	2102.618
12.0	2117.425	2138.813	2114.135	2102.618	2091.101
12.5	2110.844	2132.232	2105.909	2092.747	2081.230
13.0	2104.263	2125.651	2097.682	2082.875	2069.713
13.5	2097.682	2117.425	2089.456	2073.004	2058.197
14.0	2089.456	2110.844	2079.585	2063.132	2048.325
14.5	2082.875	2102.618	2069.713	2051.616	2036.808
15.0	2074.649	2094.392	2059.842	2040.099	2023.646
15.5	2064.777	2086.166	2049.970	2028.582	2012.130
16.0	2056.551	2077.939	2040.099	2017.065	1998.968
16.5	2048.325	2068.068	2028.582	2003.904	1985.806
17.0	2040.099	2058.197	2017.065	1992.387	1974.289
17.5	2030.227	2049.970	2005.549	1979.225	1961.127
18.0	2020.356	2038.454	1994.032	1966.063	1947.965
18.5	2012.130	2028.582	1982.515	1954.546	1934.803
19.0	2002.258	2018.711	1969.354	1939.739	1919.996
19.5	1992.387	2007.194	1956.192	1926.577	1906.834
20.0	1980.870	1995.677	1943.030	1913.415	1892.027
20.5	1970.999	1985.806	1929.868	1898.608	1875.575
21.0	1961.127	1972.644	1916.706	1882.156	1862.413
21.5	1949.611	1961.127	1903.544	1867.349	1844.315
22.0	1938.094	1949.611	1890.382	1852.541	1829.508
22.5	1926.577	1936.449	1875.575	1836.089	1814.701
23.0	1915.061	1924.932	1862.413	1819.637	1796.603
23.5	1903.544	1911.770	1847.606	1803.184	1780.151
24.0	1890.382	1898.608	1832.798	1786.732	1762.053
24.5	1878.865	1885.446	1819.637	1770.279	1745.601
25.0	1864.058	1872.284	1803.184	1752.182	1727.503
25.5	1850.896	1859.122	1788.377	1735.729	1711.051
26.0	1837.734	1844.315	1773.570	1719.277	1694.598
26.5	1822.927	1829.508	1757.117	1702.824	1676.501

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27.0	1809.765	1814.701	1742.310	1684.727	1658.403
27.5	1794.958	1799.894	1725.858	1668.274	1641.621
28.0	1778.506	1785.087	1711.051	1650.177	1624.182
28.5	1763.698	1770.279	1692.953	1633.560	1607.400
29.0	1747.246	1753.827	1676.501	1616.449	1590.784
29.5	1732.439	1739.020	1660.048	1599.339	1573.015
30.0	1715.986	1722.567	1642.609	1582.722	1555.082
30.5	1701.179	1704.470	1625.334	1565.282	1538.629
31.0	1684.727	1689.663	1607.730	1547.678	1520.038
31.5	1666.629	1671.565	1589.632	1529.910	1502.270
32.0	1651.822	1653.467	1571.699	1511.647	1484.336
32.5	1633.889	1636.192	1553.437	1492.398	1466.568
33.0	1617.930	1617.765	1534.681	1473.807	1447.319
33.5	1600.655	1600.326	1516.254	1455.216	1428.563
34.0	1583.215	1581.899	1497.498	1436.295	1410.959
34.5	1566.269	1562.979	1478.578	1416.882	1392.367
35.0	1549.323	1544.552	1460.151	1397.468	1372.460
35.5	1532.377	1525.138	1441.396	1377.889	1352.224
36.0	1515.267	1506.876	1421.817	1358.805	1332.810
36.5	1497.827	1487.956	1403.062	1338.897	1312.902
37.0	1480.223	1469.529	1383.812	1319.319	1291.350
37.5	1461.468	1450.774	1365.056	1299.411	1270.291
38.0	1443.864	1432.018	1345.643	1279.175	1249.396
38.5	1425.272	1412.933	1326.887	1258.774	1229.160
39.0	1406.681	1394.342	1307.144	1239.196	1212.049
39.5	1387.761	1376.080	1288.059	1222.414	1193.458
40.0	1369.170	1358.146	1268.645	1203.329	1173.386
40.5	1350.085	1339.226	1249.561	1185.067	1153.643
41.0	1331.823	1320.635	1232.286	1165.324	1134.723
41.5	1313.396	1302.537	1216.656	1145.910	1116.296
42.0	1294.476	1283.782	1198.065	1127.319	1098.363
42.5	1275.720	1265.519	1180.625	1109.221	1081.088
43.0	1257.458	1247.257	1162.198	1091.617	1064.142
43.5	1240.018	1230.640	1144.265	1074.507	1047.689
44.0	1223.237	1215.669	1126.661	1057.890	1031.566
44.5	1210.404	1197.735	1109.221	1041.602	1015.772
45.0	1192.306	1180.131	1092.111	1025.643	999.813
45.5	1174.538	1162.692	1075.330	1009.849	984.183
46.0	1157.098	1144.759	1058.877	994.384	968.553
46.5	1139.494	1126.826	1042.425	978.754	953.088
47.0	1122.219	1109.057	1026.301	963.289	937.458
47.5	1104.615	1091.288	1010.013	947.823	921.993
48.0	1087.340	1073.849	993.890	932.194	906.528
48.5	1070.065	1056.409	977.602	916.728	891.227
49.0	1052.790	1039.134	961.479	900.934	876.091
49.5	1035.679	1021.859	945.191	885.633	860.955
50.0	1018.733	1004.749	929.068	870.333	845.983
50.5	1001.623	987.638	912.780	855.032	831.340
51.0	984.512	970.692	896.492	839.896	816.698
51.5	967.566	953.746	880.368	824.759	802.055
52.0	950.456	936.800	864.574	809.788	787.412
52.5	933.345	920.183	848.780	794.980	772.934
53.0	916.235	903.402	833.315	780.173	758.621
53.5	899.289	886.785	818.014	765.366	743.813
54.0	882.507	870.497	802.878	750.888	729.335
54.5	865.726	854.045	787.906	736.081	714.857

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55.0	849.109	837.921	772.934	721.438	700.379
55.5	832.492	821.962	758.127	707.125	686.066
56.0	816.040	806.004	743.320	692.646	671.587
56.5	799.752	790.374	728.513	678.662	657.603
57.0	783.628	774.579	713.706	664.513	643.783
57.5	767.669	758.785	698.898	650.693	630.292
58.0	752.040	742.991	684.256	636.873	616.801
58.5	736.410	727.361	669.613	623.382	603.803
59.0	721.438	712.060	655.299	609.891	590.642
59.5	706.631	696.924	640.821	596.564	577.809
60.0	691.824	681.788	626.672	583.402	565.140
60.5	677.181	666.816	612.688	570.405	552.472
61.0	662.374	651.844	598.868	557.572	539.968
61.5	647.567	637.202	585.048	544.904	527.629
62.0	632.595	622.559	571.392	532.235	515.619
62.5	617.788	608.081	557.901	519.732	503.608
63.0	603.145	593.767	544.739	507.557	491.763
63.5	588.667	579.454	531.413	495.382	479.917
64.0	574.189	564.976	518.251	483.207	468.236
64.5	559.711	550.662	505.254	471.197	456.554
65.0	545.562	536.513	492.256	459.351	445.202
65.5	531.248	522.364	479.423	447.506	433.850
66.0	517.099	508.379	466.755	435.824	422.498
66.5	502.786	494.395	453.922	423.979	411.146
67.0	488.472	480.739	441.254	411.968	399.629
67.5	474.323	466.919	428.750	400.287	388.277
68.0	460.338	453.099	416.246	388.606	377.089
68.5	446.354	439.444	403.578	377.089	365.902
69.0	432.534	425.624	391.238	365.573	354.714
69.5	418.714	412.133	378.734	354.056	343.855
70.0	404.729	398.642	366.560	342.704	332.832
70.5	390.909	385.315	354.385	331.516	322.138
71.0	377.254	371.824	342.210	320.493	311.609
71.5	363.598	358.498	330.364	309.470	301.408
72.0	350.272	345.172	319.012	298.776	291.372
72.5	336.945	332.174	307.496	288.411	281.336
73.0	323.783	319.341	295.979	278.046	271.465
73.5	310.622	306.673	284.627	267.845	261.758
74.0	297.789	294.005	273.439	257.809	252.051
74.5	284.956	281.665	262.580	247.938	242.509
75.0	272.287	269.490	251.722	238.231	232.966
75.5	259.948	257.316	241.028	228.689	223.753
76.0	247.609	245.470	230.498	219.311	214.704
76.5	235.599	233.789	220.133	209.933	205.820
77.0	223.753	222.272	209.933	200.719	196.771
77.5	211.907	210.920	199.897	191.835	188.051
78.0	200.390	199.732	190.190	182.786	179.167
78.5	189.038	188.874	180.483	174.067	170.611
79.0	178.015	178.180	171.270	165.347	162.385
79.5	167.156	167.650	162.056	156.956	154.159
80.0	156.462	157.450	153.172	148.565	146.097
80.5	145.933	147.578	144.288	140.339	138.200
81.0	135.897	137.871	135.568	132.442	130.468
81.5	126.190	128.493	127.013	124.545	122.900
82.0	116.483	119.280	118.622	116.648	115.331
82.5	107.105	110.067	110.560	109.079	108.092

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83.0	98.056	101.347	102.334	101.676	100.689
83.5	89.172	92.792	94.437	94.272	93.614
84.0	80.617	84.730	86.869	87.033	86.704
84.5	72.391	76.833	79.301	79.959	79.630
85.0	64.493	69.100	71.897	73.049	72.720
85.5	56.925	61.697	64.822	66.303	66.139
86.0	49.522	54.293	57.912	59.558	59.558
86.5	42.447	47.383	51.167	53.141	53.141
87.0	35.537	40.473	44.586	46.889	46.889
87.5	28.792	33.892	38.005	40.637	40.637
88.0	22.211	27.476	31.753	34.550	34.715
88.5	15.630	21.224	25.501	28.956	29.121
89.0	9.049	14.314	18.920	22.375	21.553
89.5	4.442	8.555	12.010	14.149	13.326
90.0	3.949	6.252	7.733	8.226	6.745
90.5	4.442	9.213	12.504	13.326	13.162
91.0	9.049	11.352	14.478	17.275	17.440
91.5	15.794	15.136	16.617	18.591	18.756
92.0	23.527	20.401	19.743	21.224	21.224
92.5	31.424	26.159	23.033	24.185	24.185
93.0	39.321	32.576	26.817	27.311	27.146
93.5	47.383	38.992	31.589	30.601	30.437
94.0	55.445	45.409	37.018	34.056	33.727
94.5	63.506	52.154	42.941	37.841	37.182
95.0	71.568	59.229	49.357	42.283	40.802
95.5	79.465	66.632	55.938	47.218	45.080
96.0	87.527	74.365	62.355	52.648	49.851
96.5	95.424	82.262	68.607	58.571	54.951
97.0	103.486	90.324	74.529	64.822	60.874
97.5	111.547	98.221	80.452	71.239	66.961
98.0	119.609	106.283	86.540	77.491	73.213
98.5	127.671	114.180	92.463	83.578	79.465
99.0	135.732	122.241	98.385	89.501	85.553
99.5	143.794	130.303	104.637	95.424	91.640
100.0	151.856	138.365	110.889	101.182	97.398
100.5	160.082	146.591	117.306	107.105	103.321
101.0	168.144	154.817	123.887	113.028	109.244
101.5	176.534	163.043	130.468	119.115	115.167
102.0	184.925	171.434	137.542	125.038	121.254
102.5	193.645	179.989	144.617	131.126	127.342
103.0	202.365	188.709	151.691	137.378	133.265
103.5	211.413	197.593	159.095	143.794	139.516
104.0	220.627	206.642	166.827	150.211	145.933
104.5	229.676	215.856	174.560	156.956	152.514
105.0	238.889	225.233	182.622	163.701	159.259
105.5	248.267	234.776	190.848	170.611	166.005
106.0	257.974	244.483	199.403	177.686	173.079
106.5	268.010	254.519	208.288	185.090	180.154
107.0	278.375	264.884	217.501	192.493	187.557
107.5	288.904	275.413	227.043	200.226	194.961
108.0	299.927	286.272	236.750	208.288	202.694
108.5	311.280	297.460	246.951	216.678	210.591
109.0	322.961	308.976	257.316	225.233	218.817
109.5	334.807	320.657	268.174	234.118	227.372
110.0	347.310	332.832	279.362	243.331	236.092
110.5	359.979	345.501	291.043	253.038	245.141

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111.0	373.305	358.333	303.218	263.074	254.519
111.5	386.796	371.660	315.886	273.768	264.390
112.0	401.110	385.644	329.048	284.791	274.920
112.5	415.752	399.958	342.704	296.472	285.614
113.0	430.889	414.930	357.017	308.483	296.966
113.5	446.518	430.231	371.824	320.987	308.483
114.0	462.806	446.025	387.125	334.148	320.987
114.5	479.423	462.313	403.084	347.968	333.819
115.0	496.698	479.259	419.536	362.282	347.475
115.5	514.467	496.698	436.811	377.254	361.459
116.0	532.565	514.631	454.580	393.048	376.267
116.5	551.320	533.223	473.007	409.665	391.567
117.0	570.899	551.978	492.092	426.776	407.855
117.5	590.971	571.557	511.670	444.709	424.801
118.0	611.701	591.464	531.906	463.300	442.241
118.5	632.924	612.194	552.801	482.385	460.338
119.0	654.641	633.418	574.025	502.128	479.259
119.5	676.688	655.135	596.071	522.858	498.837
120.0	698.898	677.510	618.775	544.081	519.074
120.5	721.767	700.379	641.973	566.127	539.968
121.0	745.130	723.906	665.829	588.996	561.685
121.5	769.150	747.927	690.179	612.688	584.390
122.0	793.664	772.605	715.186	636.873	607.752
122.5	818.836	797.448	740.688	662.045	632.102
123.0	844.502	822.785	766.518	687.711	656.945
123.5	870.497	848.451	792.842	713.870	682.446
124.0	896.656	874.610	819.495	740.688	708.605
124.5	923.309	900.769	846.477	768.328	735.587
125.0	949.962	927.422	873.952	796.461	763.556
125.5	976.451	954.240	901.592	825.253	791.855
126.0	1002.774	981.222	929.397	854.374	820.482
126.5	1029.263	1008.204	957.201	883.988	849.767
127.0	1056.245	1035.515	985.499	913.931	879.875
127.5	1083.391	1062.826	1013.633	944.204	910.147
128.0	1110.373	1090.466	1041.767	974.476	940.749
128.5	1137.191	1117.777	1069.736	1004.749	971.350
129.0	1163.350	1144.923	1097.376	1035.186	1002.116
129.5	1189.838	1171.905	1125.016	1065.458	1033.376
130.0	1212.872	1197.900	1152.327	1095.895	1064.965
130.5	1234.589	1220.275	1179.309	1126.003	1096.224
131.0	1259.597	1245.283	1203.329	1155.782	1127.648
131.5	1284.769	1269.962	1228.172	1183.915	1158.908
132.0	1309.447	1295.298	1251.041	1211.391	1186.712
132.5	1334.126	1320.141	1276.543	1239.360	1217.314
133.0	1358.476	1344.326	1301.879	1263.874	1247.422
133.5	1382.002	1368.841	1326.722	1290.692	1273.252
134.0	1404.871	1392.203	1351.401	1317.180	1302.373
134.5	1427.576	1415.565	1375.257	1343.175	1330.671
135.0	1448.799	1437.776	1399.113	1368.676	1357.982
135.5	1470.352	1459.822	1422.475	1393.190	1384.141
136.0	1491.246	1481.375	1445.180	1417.704	1409.972
136.5	1510.825	1502.599	1467.555	1441.067	1435.308
137.0	1530.239	1522.671	1490.095	1464.758	1459.658
137.5	1549.159	1543.072	1510.496	1487.462	1483.514
138.0	1568.079	1562.485	1531.719	1509.509	1506.218
138.5	1586.670	1581.899	1551.627	1530.732	1527.771

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	1603.616	1600.655	1570.876	1551.791	1549.653
139.5	1620.727	1619.082	1590.125	1571.699	1570.054
140.0	1637.673	1636.028	1608.223	1592.100	1590.290
140.5	1653.467	1653.467	1626.156	1611.020	1609.375
141.0	1669.920	1669.920	1644.418	1629.776	1627.966
141.5	1684.727	1686.372	1661.693	1648.532	1646.886
142.0	1699.534	1702.824	1679.791	1664.984	1664.984
142.5	1714.341	1717.632	1694.598	1683.082	1681.436
143.0	1729.148	1732.439	1711.051	1699.534	1699.534
143.5	1742.310	1747.246	1727.503	1715.986	1715.986
144.0	1755.472	1760.408	1742.310	1732.439	1732.439
144.5	1768.634	1775.215	1755.472	1748.891	1748.891
145.0	1781.796	1788.377	1770.279	1763.698	1765.344
145.5	1794.958	1801.539	1783.441	1778.506	1781.796
146.0	1806.475	1814.701	1796.603	1793.313	1796.603
146.5	1819.637	1826.218	1809.765	1808.120	1813.056
147.0	1831.153	1837.734	1822.927	1821.282	1826.218
147.5	1841.025	1850.896	1834.444	1834.444	1841.025
148.0	1854.187	1862.413	1847.606	1847.606	1854.187
148.5	1865.703	1873.930	1859.122	1859.122	1867.349
149.0	1877.220	1885.446	1870.639	1870.639	1878.865
149.5	1887.091	1896.963	1882.156	1882.156	1890.382
150.0	1898.608	1906.834	1893.672	1892.027	1900.253
150.5	1908.480	1918.351	1905.189	1901.899	1910.125
151.0	1918.351	1928.222	1916.706	1913.415	1919.996
151.5	1929.868	1939.739	1926.577	1923.287	1928.222
152.0	1939.739	1949.611	1938.094	1933.158	1936.449
152.5	1949.611	1959.482	1949.611	1943.030	1946.320
153.0	1959.482	1969.354	1959.482	1952.901	1954.546
153.5	1969.354	1977.580	1969.354	1962.773	1962.773
154.0	1977.580	1987.451	1979.225	1972.644	1970.999
154.5	1987.451	1997.323	1989.096	1982.515	1980.870
155.0	1995.677	2005.549	1998.968	1992.387	1989.096
155.5	2003.904	2013.775	2008.839	2002.258	1998.968
156.0	2012.130	2022.001	2017.065	2012.130	2008.839
156.5	2020.356	2030.227	2026.937	2022.001	2018.711
157.0	2026.937	2038.454	2035.163	2031.873	2026.937
157.5	2035.163	2046.680	2043.389	2041.744	2036.808
158.0	2043.389	2054.906	2051.616	2049.970	2046.680
158.5	2051.616	2061.487	2059.842	2059.842	2054.906
159.0	2058.197	2069.713	2066.423	2068.068	2063.132
159.5	2064.777	2076.294	2074.649	2077.939	2073.004
160.0	2071.358	2082.875	2082.875	2086.166	2081.230
160.5	2077.939	2089.456	2089.456	2092.747	2089.456
161.0	2084.520	2096.037	2096.037	2100.973	2097.682
161.5	2091.101	2102.618	2102.618	2107.554	2104.263
162.0	2097.682	2109.199	2109.199	2114.135	2112.489
162.5	2104.263	2115.780	2115.780	2120.716	2119.070
163.0	2110.844	2120.716	2122.361	2127.297	2125.651
163.5	2117.425	2127.297	2127.297	2132.232	2130.587
164.0	2124.006	2133.878	2133.878	2137.168	2137.168
164.5	2128.942	2140.459	2138.813	2142.104	2142.104
165.0	2135.523	2145.394	2143.749	2147.040	2147.040
165.5	2140.459	2150.330	2147.040	2151.975	2151.975
166.0	2147.040	2156.911	2151.975	2155.266	2156.911
166.5	2151.975	2161.847	2155.266	2160.201	2160.201

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	2156.911	2166.782	2160.201	2165.137	2166.782
167.5	2161.847	2171.718	2163.492	2168.428	2170.073
168.0	2166.782	2175.009	2168.428	2173.363	2173.363
168.5	2171.718	2179.944	2171.718	2176.654	2178.299
169.0	2175.009	2183.235	2175.009	2181.590	2183.235
169.5	2179.944	2188.171	2178.299	2184.880	2186.525
170.0	2183.235	2191.461	2181.590	2188.171	2191.461
170.5	2188.171	2194.752	2184.880	2191.461	2194.752
171.0	2191.461	2198.042	2186.525	2194.752	2198.042
171.5	2193.106	2199.687	2189.816	2198.042	2202.978
172.0	2198.042	2202.978	2193.106	2201.332	2206.268
172.5	2199.687	2206.268	2194.752	2204.623	2209.559
173.0	2202.978	2207.913	2198.042	2206.268	2212.849
173.5	2206.268	2211.204	2199.687	2207.913	2216.140
174.0	2207.913	2212.849	2201.332	2211.204	2217.785
174.5	2211.204	2214.494	2204.623	2212.849	2219.430
175.0	2212.849	2216.140	2206.268	2214.494	2221.075
175.5	2214.494	2217.785	2206.268	2216.140	2222.721
176.0	2217.785	2219.430	2209.559	2217.785	2224.366
176.5	2219.430	2221.075	2209.559	2217.785	2224.366
177.0	2219.430	2221.075	2211.204	2219.430	2224.366
177.5	2221.075	2222.721	2212.849	2219.430	2224.366
178.0	2222.721	2224.366	2212.849	2219.430	2226.011
178.5	2224.366	2224.366	2214.494	2221.075	2224.366
179.0	2224.366	2224.366	2214.494	2221.075	2224.366
179.5	2224.366	2224.366	2216.140	2221.075	2224.366
180.0	2221.075	2221.075	2221.075	2221.075	2221.075



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	787.34	N.A.	7.60
0-30	1617.56	N.A.	15.70
0-40	2532.27	N.A.	24.60
0-60	4076.24	N.A.	39.60
0-80	4837.45	N.A.	47.00
0-90	4917.64	N.A.	47.70
10-90	4710.04	N.A.	45.70
20-40	1744.93	N.A.	16.90
20-50	2593.23	N.A.	25.20
40-70	2035.64	N.A.	19.80
60-80	761.20	N.A.	7.40
70-80	269.54	N.A.	2.60
80-90	80.19	N.A.	0.80
90-110	267.47	N.A.	2.60
90-120	692.67	N.A.	6.70
90-130	1467.45	N.A.	14.20
90-150	3648.82	N.A.	35.40
90-180	5385.33	N.A.	52.30
110-180	5117.86	N.A.	49.70
0-180	10302.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	207.59
10-20	579.74
20-30	830.22
30-40	914.71
40-50	848.30
50-60	695.68
60-70	491.67
70-80	269.54
80-90	80.19
90-100	60.81
100-110	206.66
110-120	425.20
120-130	774.79
130-140	1074.51
140-150	1106.85
150-160	920.80
160-170	605.27
170-180	210.44

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	39	35
3	81	72	65	59	75	67	60	55	56	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	53	47	50	45	41	42	38	35	34	32	29	26
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	51	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	31	37	32	28	31	27	24	26	23	20	18
8	54	42	35	29	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	15
10	47	36	28	24	44	33	27	22	29	24	20	25	20	18	21	17	15	13

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-06-L8-835U-L8-835D-F-F-DIM-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

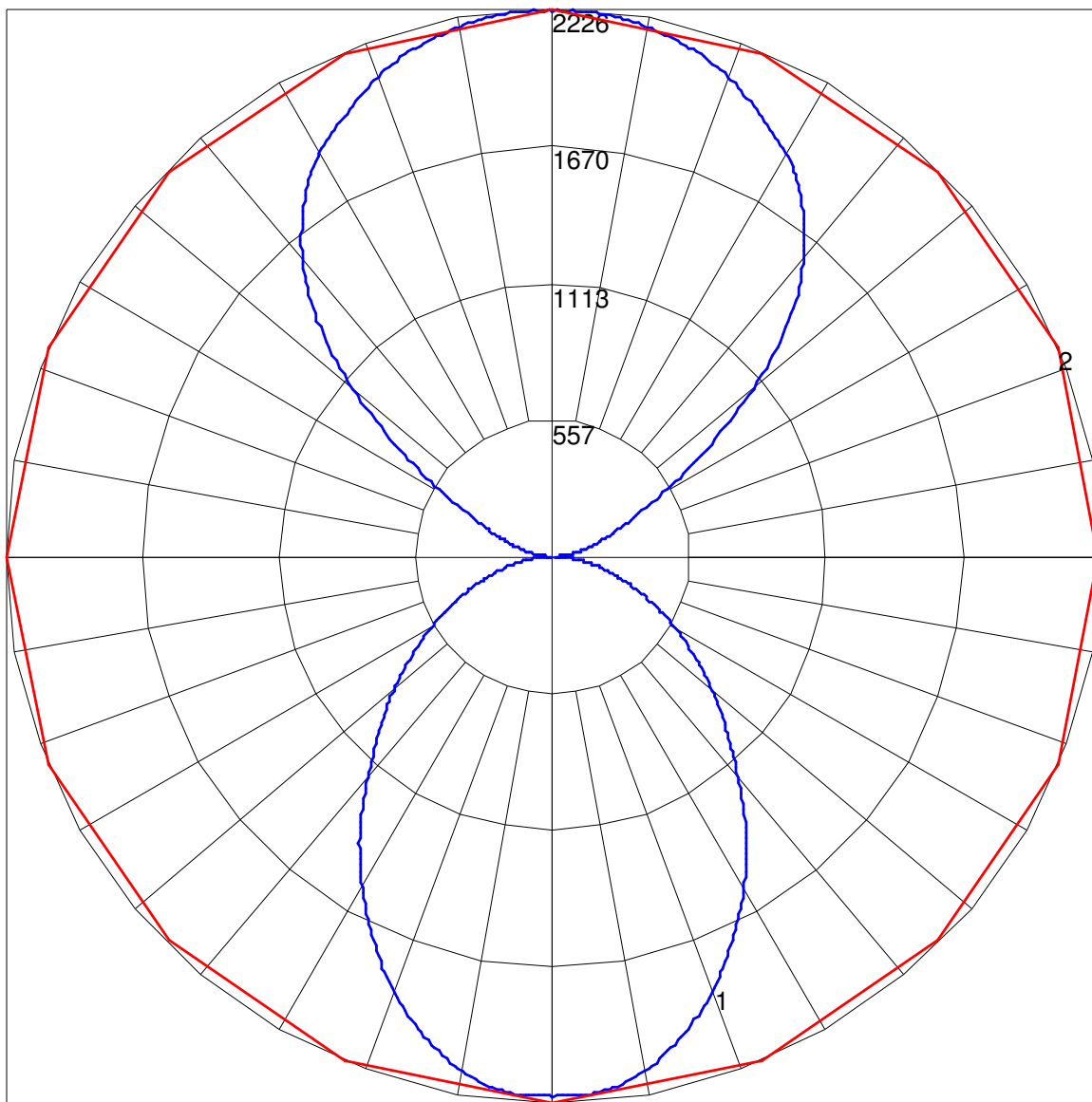
X=2H	Y=2H	12.3	13.1	13.3	14.1	15.4	13.5	14.3	14.4	15.3	16.6
	3H	13.4	14.1	14.4	15.1	16.4	15.0	15.7	16.0	16.7	18.0
	4H	13.7	14.4	14.7	15.4	16.7	15.5	16.2	16.5	17.2	18.5
	6H	13.8	14.4	14.8	15.4	16.8	15.9	16.5	16.9	17.6	18.9
	8H	13.8	14.4	14.8	15.4	16.8	16.0	16.6	17.0	17.7	19.0
	12H	13.8	14.3	14.8	15.4	16.7	16.1	16.7	17.1	17.7	19.1

### UGR Viewed Endwise

4H	2H	12.6	13.3	13.7	14.3	15.7	13.6	14.3	14.7	15.3	16.7
	3H	13.9	14.5	14.9	15.5	16.9	15.3	15.9	16.3	16.9	18.2
	4H	14.3	14.8	15.3	15.8	17.2	15.9	16.4	16.9	17.4	18.8
	6H	14.5	14.9	15.5	16.0	17.3	16.4	16.8	17.4	17.9	19.2
	8H	14.5	14.9	15.5	16.0	17.3	16.5	16.9	17.5	18.0	19.4
	12H	14.5	14.9	15.5	15.9	17.3	16.6	17.0	17.7	18.1	19.4
8H	4H	14.4	14.8	15.4	15.9	17.2	15.9	16.3	16.9	17.4	18.7
	6H	14.7	15.0	15.7	16.1	17.5	16.4	16.8	17.5	17.8	19.2
	8H	14.7	15.0	15.8	16.1	17.5	16.6	16.9	17.7	18.0	19.4
	12H	14.7	15.0	15.8	16.1	17.5	16.7	17.0	17.8	18.1	19.5
12H	4H	14.4	14.8	15.4	15.8	17.2	15.8	16.2	16.9	17.3	18.7
	6H	14.7	15.0	15.7	16.0	17.4	16.4	16.7	17.4	17.8	19.2
	8H	14.7	15.0	15.8	16.1	17.5	16.6	16.9	17.7	17.9	19.4

Maximum UGR = 19.5

POLAR GRAPH



Maximum Candela = 2226.011 Located At Horizontal Angle = 90, Vertical Angle = 178  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (178) (Through Max. Cd.)