



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 13012869.08  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 08/01/2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR  
 [LUMINAIRE] TWO INCH WIDE DIRECT/INDIRECT LED LUMINAIRE  
 [MORE] WITH LINEAR DIFFUSED ACRYLIC LENS  
 [LAMP] LED  
 [LAMPCAT] HLMX 90 CRI 4000K CCT

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6688
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	54.2
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)	6.00 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	11130	4393	3290
55	9556	3058	2211
65	8037	1975	1391
75	6072	1057	743
85	3154	327	244

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1427.955	1427.955	1427.955	1427.955	1427.955
<b>0.5</b>	1423.683	1436.499	1424.751	1425.819	1425.819
<b>1.0</b>	1423.683	1435.431	1424.751	1425.819	1425.819
<b>1.5</b>	1423.683	1435.431	1424.751	1425.819	1426.887
<b>2.0</b>	1422.615	1435.431	1423.683	1425.819	1426.887
<b>2.5</b>	1422.615	1434.363	1423.683	1426.887	1426.887
<b>3.0</b>	1421.547	1433.295	1422.615	1425.819	1425.819
<b>3.5</b>	1420.479	1432.227	1421.547	1425.819	1425.819
<b>4.0</b>	1418.343	1431.159	1420.479	1424.751	1424.751
<b>4.5</b>	1417.275	1430.091	1419.411	1423.683	1423.683
<b>5.0</b>	1416.207	1427.955	1417.275	1422.615	1421.547
<b>5.5</b>	1414.070	1426.887	1416.207	1420.479	1419.411
<b>6.0</b>	1411.934	1424.751	1414.070	1418.343	1417.275
<b>6.5</b>	1409.798	1422.615	1411.934	1415.138	1415.138
<b>7.0</b>	1407.662	1420.479	1409.798	1411.934	1411.934
<b>7.5</b>	1404.458	1418.343	1406.594	1408.730	1407.662
<b>8.0</b>	1402.322	1415.138	1404.458	1404.458	1403.390
<b>8.5</b>	1399.118	1411.934	1401.254	1400.186	1399.118
<b>9.0</b>	1395.914	1409.798	1398.050	1395.914	1394.846
<b>9.5</b>	1392.710	1406.594	1394.846	1391.642	1389.506
<b>10.0</b>	1389.506	1403.390	1390.574	1386.302	1383.098
<b>10.5</b>	1386.302	1400.186	1387.370	1382.030	1376.689
<b>11.0</b>	1383.098	1395.914	1382.030	1376.689	1371.349
<b>11.5</b>	1378.825	1391.642	1377.757	1370.281	1364.941
<b>12.0</b>	1374.553	1388.438	1372.417	1364.941	1357.465
<b>12.5</b>	1370.281	1384.166	1367.077	1358.533	1351.057
<b>13.0</b>	1366.009	1379.894	1361.737	1352.125	1343.581
<b>13.5</b>	1361.737	1374.553	1356.397	1345.717	1336.104
<b>14.0</b>	1356.397	1370.281	1349.989	1339.308	1329.696
<b>14.5</b>	1352.125	1364.941	1343.581	1331.832	1322.220
<b>15.0</b>	1346.785	1359.601	1337.172	1324.356	1313.676
<b>15.5</b>	1340.376	1354.261	1330.764	1316.880	1306.200
<b>16.0</b>	1335.036	1348.921	1324.356	1309.404	1297.655
<b>16.5</b>	1329.696	1342.513	1316.880	1300.859	1289.111
<b>17.0</b>	1324.356	1336.104	1309.404	1293.383	1281.635
<b>17.5</b>	1317.948	1330.764	1301.927	1284.839	1273.091
<b>18.0</b>	1311.540	1323.288	1294.451	1276.295	1264.546
<b>18.5</b>	1306.200	1316.880	1286.975	1268.819	1256.002
<b>19.0</b>	1299.791	1310.472	1278.431	1259.206	1246.390
<b>19.5</b>	1293.383	1302.995	1269.887	1250.662	1237.846
<b>20.0</b>	1285.907	1295.519	1261.342	1242.118	1228.233
<b>20.5</b>	1279.499	1289.111	1252.798	1232.506	1217.553
<b>21.0</b>	1273.091	1280.567	1244.254	1221.825	1209.009
<b>21.5</b>	1265.614	1273.091	1235.710	1212.213	1197.261
<b>22.0</b>	1258.138	1265.614	1227.165	1202.601	1187.648
<b>22.5</b>	1250.662	1257.070	1217.553	1191.920	1178.036
<b>23.0</b>	1243.186	1249.594	1209.009	1181.240	1166.288
<b>23.5</b>	1235.710	1241.050	1199.397	1170.560	1155.607
<b>24.0</b>	1227.165	1232.506	1189.784	1159.880	1143.859
<b>24.5</b>	1219.689	1223.961	1181.240	1149.199	1133.179
<b>25.0</b>	1210.077	1215.417	1170.560	1137.451	1121.430
<b>25.5</b>	1201.533	1206.873	1160.948	1126.771	1110.750
<b>26.0</b>	1192.988	1197.261	1151.335	1116.090	1100.070
<b>26.5</b>	1183.376	1187.648	1140.655	1105.410	1088.322

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27.0	1174.832	1178.036	1131.043	1093.662	1076.573
27.5	1165.220	1168.424	1120.362	1082.981	1065.679
28.0	1154.539	1158.812	1110.750	1071.233	1054.358
28.5	1144.927	1149.199	1099.002	1060.446	1043.464
29.0	1134.247	1138.519	1088.322	1049.339	1032.677
29.5	1124.635	1128.907	1077.641	1038.231	1021.143
30.0	1113.954	1118.226	1066.320	1027.444	1009.501
30.5	1104.342	1106.478	1055.106	1016.123	998.821
31.0	1093.662	1096.866	1043.678	1004.695	986.752
31.5	1081.913	1085.118	1031.930	993.160	975.217
32.0	1072.301	1073.369	1020.288	981.305	963.576
32.5	1060.660	1062.155	1008.433	968.809	952.041
33.0	1050.300	1050.193	996.257	956.740	939.545
33.5	1039.085	1038.872	984.296	944.672	927.370
34.0	1027.764	1026.910	972.120	932.389	915.942
34.5	1016.764	1014.628	959.838	919.787	903.873
35.0	1005.763	1002.666	947.876	907.184	890.950
35.5	994.762	990.063	935.700	894.474	877.813
36.0	983.655	978.208	922.991	882.085	865.210
36.5	972.334	965.925	910.815	869.162	852.287
37.0	960.906	953.964	898.319	856.452	838.296
37.5	948.730	941.788	886.144	843.529	824.625
38.0	937.302	929.612	873.541	830.393	811.061
38.5	925.234	917.223	861.365	817.149	797.925
39.0	913.165	905.155	848.549	804.439	786.817
39.5	900.883	893.299	836.160	793.546	774.748
40.0	888.814	881.658	823.557	781.156	761.718
40.5	876.425	869.376	811.168	769.301	748.902
41.0	864.570	857.307	799.954	756.485	736.620
41.5	852.608	845.559	789.807	743.882	724.658
42.0	840.325	833.383	777.739	731.814	713.016
42.5	828.150	821.528	766.418	720.065	701.802
43.0	816.295	809.673	754.456	708.637	690.801
43.5	804.973	798.886	742.814	697.530	680.121
44.0	794.080	789.167	731.386	686.743	669.654
44.5	785.749	777.525	720.065	676.169	659.401
45.0	774.001	766.097	708.958	665.809	649.041
45.5	762.466	754.776	698.064	655.556	638.895
46.0	751.145	743.135	687.383	645.517	628.749
46.5	739.717	731.493	676.703	635.370	618.709
47.0	728.503	719.958	666.237	625.331	608.563
47.5	717.075	708.424	655.663	615.292	598.523
48.0	705.860	697.103	645.196	605.145	588.484
48.5	694.646	685.781	634.623	595.106	578.551
49.0	683.432	674.567	624.156	584.853	568.725
49.5	672.324	663.353	613.583	574.920	558.900
50.0	661.324	652.245	603.116	564.987	549.181
50.5	650.216	641.138	592.543	555.055	539.675
51.0	639.109	630.137	581.969	545.229	530.170
51.5	628.108	619.136	571.502	535.403	520.664
52.0	617.000	608.136	561.249	525.684	511.159
52.5	605.893	597.349	550.996	516.072	501.760
53.0	594.785	586.455	540.957	506.459	492.468
53.5	583.785	575.668	531.024	496.847	482.856
54.0	572.891	565.094	521.198	487.448	473.457
54.5	561.997	554.414	511.479	477.836	464.059

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55.0	551.210	543.947	501.760	468.331	454.660
55.5	540.423	533.587	492.148	459.039	445.368
56.0	529.742	523.227	482.536	449.640	435.969
56.5	519.169	513.081	472.923	440.562	426.891
57.0	508.702	502.828	463.311	431.377	417.920
57.5	498.342	492.575	453.699	422.405	409.162
58.0	488.196	482.322	444.193	413.434	400.404
58.5	478.050	472.176	434.688	404.676	391.967
59.0	468.331	462.243	425.396	395.918	383.422
59.5	458.718	452.417	415.997	387.267	375.092
60.0	449.106	442.591	406.812	378.723	366.868
60.5	439.601	432.872	397.734	370.286	358.644
61.0	429.988	423.153	388.763	361.955	350.527
61.5	420.376	413.648	379.791	353.731	342.517
62.0	410.657	404.142	370.926	345.507	334.720
62.5	401.045	394.744	362.169	337.390	326.924
63.0	391.539	385.452	353.624	329.487	319.234
63.5	382.141	376.160	344.973	321.584	311.544
64.0	372.742	366.761	336.429	313.680	303.961
64.5	363.343	357.469	327.992	305.884	296.378
65.0	354.158	348.284	319.554	298.194	289.009
65.5	344.867	339.099	311.224	290.504	281.639
66.0	335.682	330.021	303.000	282.921	274.270
66.5	326.390	320.943	294.669	275.231	266.900
67.0	317.098	312.078	286.445	267.434	259.424
67.5	307.913	303.107	278.328	259.851	252.055
68.0	298.835	294.135	270.211	252.268	244.792
68.5	289.756	285.271	261.988	244.792	237.530
69.0	280.785	276.299	253.977	237.316	230.267
69.5	271.813	267.541	245.860	229.840	223.218
70.0	262.735	258.783	237.957	222.470	216.062
70.5	253.764	250.132	230.053	215.208	209.120
71.0	244.899	241.375	222.150	208.052	202.285
71.5	236.034	232.724	214.460	200.896	195.663
72.0	227.383	224.072	207.091	193.954	189.148
72.5	218.732	215.635	199.615	187.225	182.633
73.0	210.188	207.304	192.138	180.497	176.225
73.5	201.644	199.081	184.769	173.875	169.923
74.0	193.313	190.857	177.506	167.360	163.622
74.5	184.983	182.847	170.457	160.952	157.427
75.0	176.759	174.943	163.408	154.651	151.233
75.5	168.749	167.040	156.466	148.456	145.252
76.0	160.738	159.350	149.631	142.368	139.378
76.5	152.942	151.767	142.902	136.281	133.610
77.0	145.252	144.291	136.281	130.300	127.736
77.5	137.562	136.921	129.766	124.532	122.076
78.0	130.086	129.659	123.464	118.658	116.308
78.5	122.717	122.610	117.163	112.997	110.755
79.0	115.561	115.668	111.182	107.337	105.414
79.5	108.512	108.832	105.201	101.890	100.074
80.0	101.570	102.210	99.434	96.443	94.841
80.5	94.734	95.802	93.666	91.103	89.714
81.0	88.219	89.501	88.006	85.976	84.695
81.5	81.918	83.413	82.452	80.850	79.782
82.0	75.616	77.432	77.005	75.723	74.869
82.5	69.529	71.451	71.772	70.810	70.170

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83.0	63.655	65.791	66.431	66.004	65.363
83.5	57.887	60.237	61.305	61.198	60.771
84.0	52.333	55.003	56.392	56.499	56.285
84.5	46.993	49.877	51.479	51.906	51.693
85.0	41.867	44.857	46.673	47.420	47.207
85.5	36.954	40.051	42.080	43.042	42.935
86.0	32.148	35.245	37.595	38.663	38.663
86.5	27.555	30.759	33.216	34.497	34.497
87.0	23.069	26.274	28.944	30.439	30.439
87.5	18.691	22.001	24.671	26.380	26.380
88.0	14.418	17.836	20.613	22.429	22.535
88.5	10.146	13.778	16.554	18.797	18.904
89.0	5.874	9.292	12.282	14.525	13.991
89.5	2.884	5.554	7.797	9.185	8.651
90.0	2.563	4.059	5.020	5.340	4.379
90.5	2.884	5.981	8.117	8.651	8.544
91.0	5.874	7.369	9.399	11.214	11.321
91.5	10.253	9.826	10.787	12.069	12.176
92.0	15.273	13.244	12.816	13.778	13.778
92.5	20.399	16.982	14.952	15.700	15.700
93.0	25.526	21.147	17.409	17.729	17.622
93.5	30.759	25.312	20.506	19.865	19.759
94.0	35.993	29.478	24.031	22.108	21.895
94.5	41.226	33.857	27.876	24.565	24.137
95.0	46.459	38.449	32.041	27.448	26.487
95.5	51.586	43.255	36.313	30.652	29.264
96.0	56.819	48.275	40.478	34.177	32.361
96.5	61.946	53.401	44.537	38.022	35.672
97.0	67.179	58.635	48.382	42.080	39.517
97.5	72.412	63.761	52.227	46.246	43.469
98.0	77.646	68.995	56.178	50.304	47.527
98.5	82.879	74.121	60.023	54.256	51.586
99.0	88.112	79.355	63.868	58.101	55.538
99.5	93.346	84.588	67.927	61.946	59.489
100.0	98.579	89.821	71.985	65.684	63.227
100.5	103.919	95.161	76.150	69.529	67.072
101.0	109.153	100.502	80.423	73.374	70.917
101.5	114.600	105.842	84.695	77.325	74.762
102.0	120.046	111.289	89.287	81.170	78.714
102.5	125.707	116.842	93.880	85.122	82.665
103.0	131.368	122.503	98.472	89.180	86.510
103.5	137.242	128.270	103.278	93.346	90.569
104.0	143.223	134.144	108.298	97.511	94.734
104.5	149.097	140.125	113.318	101.890	99.006
105.0	155.078	146.213	118.551	106.269	103.385
105.5	161.166	152.408	123.891	110.755	107.764
106.0	167.467	158.709	129.445	115.347	112.357
106.5	173.982	165.224	135.212	120.153	116.949
107.0	180.711	171.953	141.193	124.959	121.755
107.5	187.546	178.788	147.388	129.979	126.561
108.0	194.702	185.837	153.689	135.212	131.581
108.5	202.071	193.100	160.311	140.659	136.708
109.0	209.654	200.576	167.040	146.213	142.048
109.5	217.344	208.159	174.089	151.981	147.602
110.0	225.461	216.062	181.351	157.961	153.262
110.5	233.685	224.286	188.934	164.263	159.136

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111.0	242.336	232.617	196.838	170.778	165.224
111.5	251.094	241.268	205.062	177.720	171.632
112.0	260.385	250.346	213.606	184.876	178.468
112.5	269.891	259.638	222.470	192.459	185.410
113.0	279.717	269.357	231.762	200.255	192.779
113.5	289.863	279.290	241.375	208.372	200.255
114.0	300.437	289.543	251.307	216.917	208.372
114.5	311.224	300.116	261.667	225.888	216.703
115.0	322.438	311.117	272.347	235.180	225.568
115.5	333.973	322.438	283.562	244.899	234.646
116.0	345.721	334.079	295.096	255.152	244.258
116.5	357.897	346.148	307.058	265.939	254.191
117.0	370.606	358.324	319.447	277.047	264.764
117.5	383.636	371.033	332.157	288.688	275.765
118.0	397.093	383.956	345.294	300.757	287.086
118.5	410.871	397.414	358.858	313.146	298.835
119.0	424.969	411.191	372.635	325.962	311.117
119.5	439.280	425.289	386.947	339.420	323.826
120.0	453.699	439.814	401.686	353.197	336.963
120.5	468.544	454.660	416.745	367.509	350.527
121.0	483.710	469.933	432.231	382.354	364.625
121.5	499.304	485.526	448.038	397.734	379.364
122.0	515.217	501.546	464.272	413.434	394.530
122.5	531.558	517.674	480.827	429.775	410.337
123.0	548.219	534.121	497.595	446.436	426.464
123.5	565.094	550.783	514.683	463.418	443.018
124.0	582.076	567.764	531.985	480.827	460.000
124.5	599.378	584.746	549.501	498.770	477.516
125.0	616.680	602.048	567.337	517.033	495.672
125.5	633.875	619.457	585.280	535.723	514.042
126.0	650.964	636.973	603.330	554.627	532.626
126.5	668.159	654.488	621.379	573.852	551.637
127.0	685.675	672.217	639.749	593.290	571.182
127.5	703.297	689.947	658.013	612.942	590.834
128.0	720.813	707.890	676.276	632.594	610.699
128.5	738.222	725.619	694.432	652.245	630.564
129.0	755.203	743.241	712.375	672.004	650.536
129.5	772.399	760.757	730.318	691.656	670.829
130.0	787.351	777.632	748.048	711.414	691.335
130.5	801.449	792.157	765.563	730.959	711.628
131.0	817.683	808.391	781.156	750.290	732.027
131.5	834.024	824.412	797.284	768.554	752.320
132.0	850.044	840.859	812.129	786.390	770.369
132.5	866.065	856.987	828.684	804.546	790.235
133.0	881.872	872.687	845.131	820.460	809.780
133.5	897.144	888.600	861.259	837.869	826.548
134.0	911.990	903.766	877.279	855.064	845.452
134.5	926.729	918.932	892.765	871.939	863.822
135.0	940.506	933.351	908.252	888.493	881.551
135.5	954.498	947.662	923.418	904.407	898.533
136.0	968.062	961.653	938.157	920.321	915.301
136.5	980.771	975.431	952.682	935.487	931.749
137.0	993.374	988.461	967.314	950.866	947.555
137.5	1005.656	1001.704	980.557	965.605	963.042
138.0	1017.938	1014.307	994.335	979.917	977.781
138.5	1030.007	1026.910	1007.258	993.694	991.772

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

139.0	1041.008	1039.085	1019.754	1007.365	1005.977
139.5	1052.115	1051.047	1032.250	1020.288	1019.220
140.0	1063.116	1062.048	1043.998	1033.532	1032.357
140.5	1073.369	1073.369	1055.640	1045.814	1044.746
141.0	1084.049	1084.049	1067.495	1057.990	1056.815
141.5	1093.662	1094.730	1078.709	1070.165	1069.097
142.0	1103.274	1105.410	1090.458	1080.845	1080.845
142.5	1112.886	1115.022	1100.070	1092.594	1091.526
143.0	1122.499	1124.635	1110.750	1103.274	1103.274
143.5	1131.043	1134.247	1121.430	1113.954	1113.954
144.0	1139.587	1142.791	1131.043	1124.635	1124.635
144.5	1148.131	1152.403	1139.587	1135.315	1135.315
145.0	1156.675	1160.948	1149.199	1144.927	1145.995
145.5	1165.220	1169.492	1157.743	1154.539	1156.675
146.0	1172.696	1178.036	1166.288	1164.152	1166.288
146.5	1181.240	1185.512	1174.832	1173.764	1176.968
147.0	1188.716	1192.988	1183.376	1182.308	1185.512
147.5	1195.125	1201.533	1190.852	1190.852	1195.125
148.0	1203.669	1209.009	1199.397	1199.397	1203.669
148.5	1211.145	1216.485	1206.873	1206.873	1212.213
149.0	1218.621	1223.961	1214.349	1214.349	1219.689
149.5	1225.029	1231.437	1221.825	1221.825	1227.165
150.0	1232.506	1237.846	1229.301	1228.233	1233.574
150.5	1238.914	1245.322	1236.778	1234.642	1239.982
151.0	1245.322	1251.730	1244.254	1242.118	1246.390
151.5	1252.798	1259.206	1250.662	1248.526	1251.730
152.0	1259.206	1265.614	1258.138	1254.934	1257.070
152.5	1265.614	1272.023	1265.614	1261.342	1263.478
153.0	1272.023	1278.431	1272.023	1267.750	1268.819
153.5	1278.431	1283.771	1278.431	1274.159	1274.159
154.0	1283.771	1290.179	1284.839	1280.567	1279.499
154.5	1290.179	1296.587	1291.247	1286.975	1285.907
155.0	1295.519	1301.927	1297.655	1293.383	1291.247
155.5	1300.859	1307.268	1304.063	1299.791	1297.655
156.0	1306.200	1312.608	1309.404	1306.200	1304.063
156.5	1311.540	1317.948	1315.812	1312.608	1310.472
157.0	1315.812	1323.288	1321.152	1319.016	1315.812
157.5	1321.152	1328.628	1326.492	1325.424	1322.220
158.0	1326.492	1333.968	1331.832	1330.764	1328.628
158.5	1331.832	1338.240	1337.172	1337.172	1333.968
159.0	1336.104	1343.581	1341.444	1342.513	1339.308
159.5	1340.376	1347.853	1346.785	1348.921	1345.717
160.0	1344.649	1352.125	1352.125	1354.261	1351.057
160.5	1348.921	1356.397	1356.397	1358.533	1356.397
161.0	1353.193	1360.669	1360.669	1363.873	1361.737
161.5	1357.465	1364.941	1364.941	1368.145	1366.009
162.0	1361.737	1369.213	1369.213	1372.417	1371.349
162.5	1366.009	1373.485	1373.485	1376.689	1375.621
163.0	1370.281	1376.689	1377.757	1380.962	1379.894
163.5	1374.553	1380.962	1380.962	1384.166	1383.098
164.0	1378.825	1385.234	1385.234	1387.370	1387.370
164.5	1382.030	1389.506	1388.438	1390.574	1390.574
165.0	1386.302	1392.710	1391.642	1393.778	1393.778
165.5	1389.506	1395.914	1393.778	1396.982	1396.982
166.0	1393.778	1400.186	1396.982	1399.118	1400.186
166.5	1396.982	1403.390	1399.118	1402.322	1402.322

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1400.186	1406.594	1402.322	1405.526	1406.594
167.5	1403.390	1409.798	1404.458	1407.662	1408.730
168.0	1406.594	1411.934	1407.662	1410.866	1410.866
168.5	1409.798	1415.138	1409.798	1413.002	1414.070
169.0	1411.934	1417.275	1411.934	1416.207	1417.275
169.5	1415.138	1420.479	1414.070	1418.343	1419.411
170.0	1417.275	1422.615	1416.207	1420.479	1422.615
170.5	1420.479	1424.751	1418.343	1422.615	1424.751
171.0	1422.615	1426.887	1419.411	1424.751	1426.887
171.5	1423.683	1427.955	1421.547	1426.887	1430.091
172.0	1426.887	1430.091	1423.683	1429.023	1432.227
172.5	1427.955	1432.227	1424.751	1431.159	1434.363
173.0	1430.091	1433.295	1426.887	1432.227	1436.499
173.5	1432.227	1435.431	1427.955	1433.295	1438.635
174.0	1433.295	1436.499	1429.023	1435.431	1439.703
174.5	1435.431	1437.567	1431.159	1436.499	1440.771
175.0	1436.499	1438.635	1432.227	1437.567	1441.839
175.5	1437.567	1439.703	1432.227	1438.635	1442.907
176.0	1439.703	1440.771	1434.363	1439.703	1443.975
176.5	1440.771	1441.839	1434.363	1439.703	1443.975
177.0	1440.771	1441.839	1435.431	1440.771	1443.975
177.5	1441.839	1442.907	1436.499	1440.771	1443.975
178.0	1442.907	1443.975	1436.499	1440.771	1445.043
178.5	1443.975	1443.975	1437.567	1441.839	1443.975
179.0	1443.975	1443.975	1437.567	1441.839	1443.975
179.5	1443.975	1443.975	1438.635	1441.839	1443.975
180.0	1441.839	1441.839	1441.839	1441.839	1441.839



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	511.11	N.A.	7.60
0-30	1050.06	N.A.	15.70
0-40	1643.85	N.A.	24.60
0-60	2646.15	N.A.	39.60
0-80	3140.29	N.A.	47.00
0-90	3192.35	N.A.	47.70
10-90	3057.58	N.A.	45.70
20-40	1132.74	N.A.	16.90
20-50	1683.43	N.A.	25.20
40-70	1321.46	N.A.	19.80
60-80	494.15	N.A.	7.40
70-80	174.97	N.A.	2.60
80-90	52.06	N.A.	0.80
90-110	173.63	N.A.	2.60
90-120	449.65	N.A.	6.70
90-130	952.62	N.A.	14.20
90-150	2368.68	N.A.	35.40
90-180	3495.95	N.A.	52.30
110-180	3322.32	N.A.	49.70
0-180	6688.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	134.76
10-20	376.35
20-30	538.95
30-40	593.80
40-50	550.68
50-60	451.61
60-70	319.17
70-80	174.97
80-90	52.06
90-100	39.47
100-110	134.16
110-120	276.02
120-130	502.96
130-140	697.53
140-150	718.53
150-160	597.75
160-170	392.92
170-180	136.61

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.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-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.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	11.1	11.9	12.0	12.9	14.2	12.2	13.1	13.2	14.0	15.3
	3H	12.2	12.9	13.1	13.9	15.2	13.7	14.5	14.7	15.5	16.8
	4H	12.4	13.1	13.4	14.1	15.5	14.3	15.0	15.3	16.0	17.3
	6H	12.6	13.2	13.6	14.2	15.6	14.7	15.3	15.7	16.3	17.7
	8H	12.6	13.2	13.6	14.2	15.5	14.8	15.4	15.8	16.4	17.8
	12H	12.5	13.1	13.6	14.1	15.5	14.9	15.5	15.9	16.5	17.8

### UGR Viewed Endwise

4H	2H	11.4	12.1	12.4	13.1	14.5	12.4	13.1	13.4	14.1	15.4
	3H	12.7	13.3	13.7	14.3	15.6	14.0	14.6	15.0	15.7	17.0
	4H	13.1	13.6	14.1	14.6	16.0	14.6	15.2	15.7	16.2	17.6
	6H	13.3	13.7	14.3	14.8	16.1	15.1	15.6	16.1	16.6	18.0
	8H	13.3	13.7	14.3	14.7	16.1	15.3	15.7	16.3	16.7	18.1
	12H	13.3	13.6	14.3	14.7	16.1	15.4	15.8	16.4	16.8	18.2

8H	4H	13.2	13.6	14.2	14.6	16.0	14.7	15.1	15.7	16.1	17.5
	6H	13.4	13.8	14.5	14.9	16.2	15.2	15.5	16.2	16.6	18.0
	8H	13.5	13.8	14.6	14.9	16.3	15.4	15.7	16.4	16.7	18.1
	12H	13.5	13.8	14.6	14.8	16.3	15.5	15.8	16.6	16.8	18.3

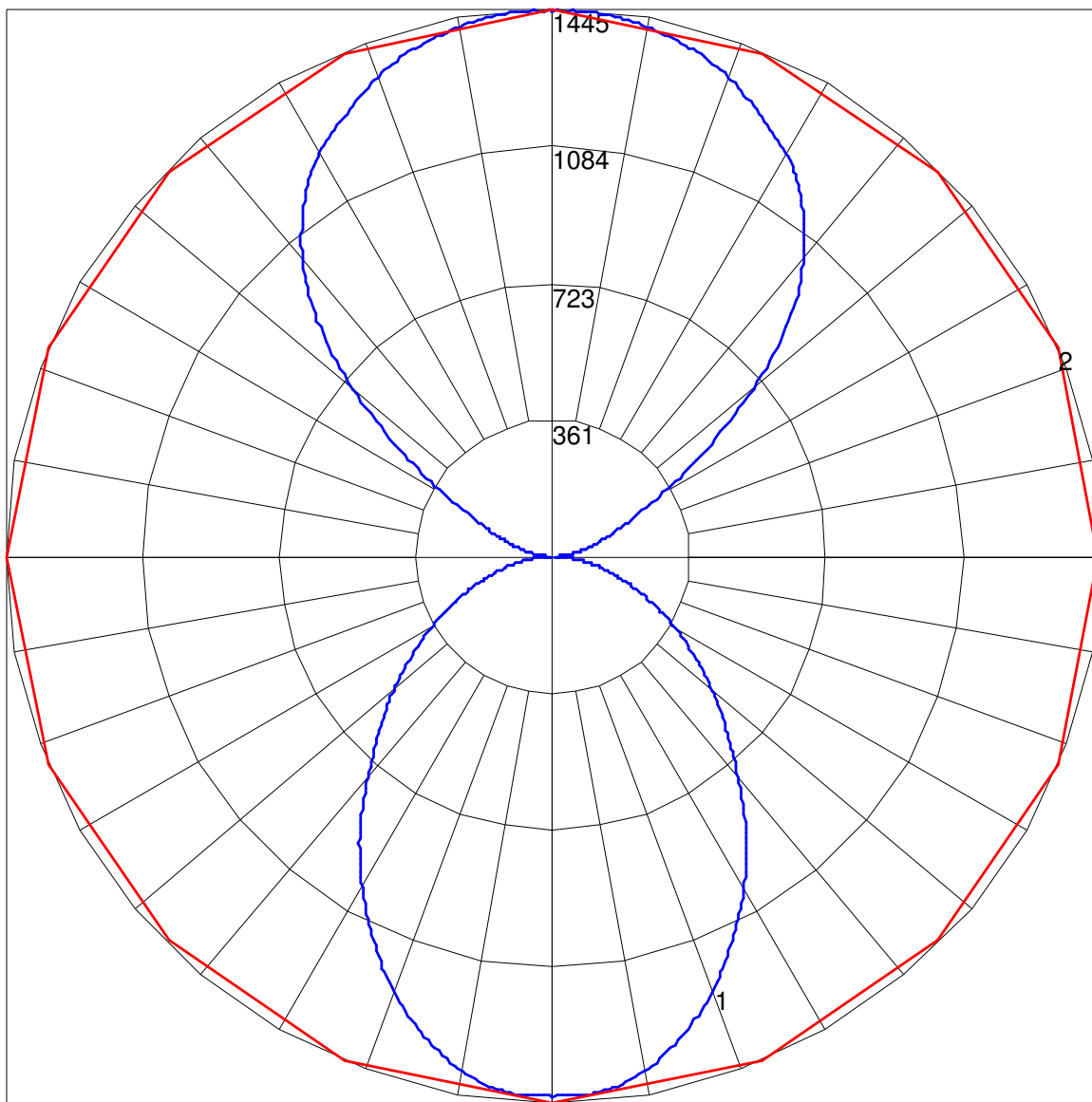
12H	4H	13.1	13.5	14.2	14.6	16.0	14.6	15.0	15.7	16.0	17.4
	6H	13.4	13.7	14.5	14.8	16.2	15.1	15.5	16.2	16.5	17.9
	8H	13.5	13.8	14.6	14.8	16.3	15.3	15.6	16.4	16.7	18.1

Maximum UGR = 18.3

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-P8-940U-P8-940D-F-F-(P5U)-POE PR\_.IES

## POLAR GRAPH



Maximum Candela = 1445.043 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.)