



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-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] MX2DU-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR
 [LUMINAIRE] TWO INCH WIDE DIRECT/INDIRECT LED LUMINAIRE
 [LAMP] LED
 [LAMPCAT] HLMX 90 CRI 4000K CCT

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	45
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)	5.00 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	10934	4348	3266
55	9350	3025	2195
65	7813	1953	1381
75	5828	1045	737
85	2906	323	243

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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	1181.351	1181.351	1181.351	1181.351	1181.351
0.5	1177.817	1188.420	1178.700	1179.584	1179.584
1.0	1177.817	1187.536	1178.700	1179.584	1179.584
1.5	1177.817	1187.536	1178.700	1179.584	1180.468
2.0	1176.933	1187.536	1177.817	1179.584	1180.468
2.5	1176.933	1186.653	1177.817	1180.468	1180.468
3.0	1176.050	1185.769	1176.933	1179.584	1179.584
3.5	1175.166	1184.885	1176.050	1179.584	1179.584
4.0	1173.399	1184.002	1175.166	1178.700	1178.700
4.5	1172.515	1183.118	1174.282	1177.817	1177.817
5.0	1171.632	1181.351	1172.515	1176.933	1176.050
5.5	1169.865	1180.468	1171.632	1175.166	1174.282
6.0	1168.097	1178.700	1169.865	1173.399	1172.515
6.5	1166.330	1176.933	1168.097	1170.748	1170.748
7.0	1164.563	1175.166	1166.330	1168.097	1168.097
7.5	1161.912	1173.399	1163.679	1165.447	1164.563
8.0	1160.145	1170.748	1161.912	1161.912	1161.029
8.5	1157.494	1168.097	1159.262	1158.378	1157.494
9.0	1154.844	1166.330	1156.611	1154.844	1153.960
9.5	1152.193	1163.679	1153.960	1151.309	1149.542
10.0	1149.542	1161.029	1150.426	1146.891	1144.241
10.5	1146.891	1158.378	1147.775	1143.357	1138.939
11.0	1144.241	1154.844	1143.357	1138.939	1134.521
11.5	1140.706	1151.309	1139.823	1133.638	1129.220
12.0	1137.172	1148.659	1135.405	1129.220	1123.035
12.5	1133.638	1145.124	1130.987	1123.918	1117.733
13.0	1130.103	1141.590	1126.569	1118.617	1111.548
13.5	1126.569	1137.172	1122.151	1113.315	1105.363
14.0	1122.151	1133.638	1116.850	1108.014	1100.061
14.5	1118.617	1129.220	1111.548	1101.829	1093.876
15.0	1114.199	1124.802	1106.247	1095.644	1086.808
15.5	1108.897	1120.384	1100.945	1089.458	1080.623
16.0	1104.479	1115.966	1095.644	1083.273	1073.554
16.5	1100.061	1110.664	1089.458	1076.205	1066.485
17.0	1095.644	1105.363	1083.273	1070.020	1060.300
17.5	1090.342	1100.945	1077.088	1062.951	1053.232
18.0	1085.041	1094.760	1070.903	1055.882	1046.163
18.5	1080.623	1089.458	1064.718	1049.697	1039.094
19.0	1075.321	1084.157	1057.649	1041.745	1031.142
19.5	1070.020	1077.972	1050.581	1034.676	1024.073
20.0	1063.835	1071.787	1043.512	1027.608	1016.121
20.5	1058.533	1066.485	1036.443	1019.655	1007.285
21.0	1053.232	1059.417	1029.375	1010.820	1000.217
21.5	1047.046	1053.232	1022.306	1002.867	990.497
22.0	1040.861	1047.046	1015.237	994.915	982.545
22.5	1034.676	1039.978	1007.285	986.079	974.593
23.0	1028.491	1033.793	1000.217	977.243	964.873
23.5	1022.306	1026.724	992.264	968.408	956.037
24.0	1015.237	1019.655	984.312	959.572	946.318
24.5	1009.052	1012.587	977.243	950.736	937.482
25.0	1001.100	1005.518	968.408	941.016	927.763
25.5	994.031	998.449	960.455	932.181	918.927
26.0	986.963	990.497	952.503	923.345	910.091
26.5	979.011	982.545	943.667	914.509	900.372

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR_.IES****CANDELA TABULATION - (Cont.)**

27.0	971.942	974.593	935.715	904.789	890.652
27.5	963.990	966.640	926.879	895.954	881.640
28.0	955.154	958.688	918.927	886.234	872.274
28.5	947.201	950.736	909.207	877.310	863.261
29.0	938.366	941.900	900.372	868.121	854.337
29.5	930.413	933.948	891.536	858.932	844.794
30.0	921.578	925.112	882.170	850.007	835.163
30.5	913.625	915.392	872.892	840.641	826.327
31.0	904.789	907.440	863.438	831.187	816.343
31.5	895.070	897.721	853.718	821.644	806.800
32.0	887.118	888.001	844.087	811.837	797.169
32.5	877.487	878.724	834.280	801.499	787.626
33.0	868.916	868.828	824.207	791.514	777.288
33.5	859.638	859.462	814.311	781.530	767.216
34.0	850.272	849.566	804.238	771.368	757.761
34.5	841.171	839.404	794.076	760.942	747.777
35.0	832.071	829.508	784.180	750.516	737.085
35.5	822.970	819.082	774.107	740.001	726.217
36.0	813.780	809.274	763.593	729.752	715.791
36.5	804.414	799.113	753.520	719.060	705.100
37.0	794.960	789.217	743.182	708.546	693.525
37.5	784.887	779.144	733.109	697.854	682.215
38.0	775.433	769.071	722.683	686.986	670.993
38.5	765.448	758.821	712.610	676.030	660.125
39.0	755.464	748.837	702.007	665.515	650.936
39.5	745.303	739.029	691.758	656.503	640.951
40.0	735.318	729.398	681.331	646.253	630.172
40.5	725.069	719.237	671.082	636.445	619.569
41.0	715.261	709.252	661.804	625.842	609.408
41.5	705.365	699.533	653.410	615.416	599.511
42.0	695.203	689.460	643.425	605.431	589.880
42.5	685.131	679.652	634.060	595.712	580.603
43.0	675.323	669.845	624.163	586.258	571.502
43.5	665.957	660.920	614.532	577.068	562.666
44.0	656.944	652.880	605.078	568.144	554.007
44.5	650.052	643.249	595.712	559.397	545.524
45.0	640.333	633.794	586.523	550.826	536.954
45.5	630.790	624.428	577.510	542.344	528.560
46.0	621.424	614.797	568.674	534.038	520.166
46.5	611.970	605.166	559.838	525.644	511.860
47.0	602.692	595.624	551.179	517.338	503.466
47.5	593.238	586.081	542.432	509.032	495.160
48.0	583.960	576.715	533.773	500.638	486.855
48.5	574.683	567.349	525.025	492.333	478.637
49.0	565.405	558.071	516.366	483.850	470.508
49.5	556.216	548.794	507.619	475.633	462.379
50.0	547.115	539.604	498.960	467.416	454.339
50.5	537.926	530.415	490.212	459.198	446.475
51.0	528.736	521.314	481.465	451.069	438.611
51.5	519.635	512.213	472.806	442.940	430.747
52.0	510.446	503.112	464.323	434.900	422.883
52.5	501.257	494.188	455.841	426.948	415.108
53.0	492.068	485.176	447.535	418.995	407.420
53.5	482.967	476.251	439.318	411.043	399.468
54.0	473.954	467.504	431.189	403.268	391.693
54.5	464.942	458.668	423.148	395.315	383.917

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55.0	456.017	450.009	415.108	387.451	376.141
55.5	447.093	441.438	407.155	379.764	368.454
56.0	438.257	432.868	399.203	371.989	360.679
56.5	429.510	424.474	391.251	364.478	353.168
57.0	420.851	415.991	383.299	356.879	345.746
57.5	412.280	407.509	375.346	349.457	338.501
58.0	403.886	399.026	367.482	342.035	331.255
58.5	395.492	390.632	359.618	334.790	324.275
59.0	387.451	382.415	351.931	327.544	317.206
59.5	379.499	374.286	344.156	320.387	310.315
60.0	371.547	366.157	336.557	313.319	303.511
60.5	363.683	358.116	329.046	306.338	296.707
61.0	355.731	350.076	321.624	299.446	289.992
61.5	347.778	342.212	314.202	292.643	283.365
62.0	339.738	334.348	306.869	285.839	276.915
62.5	331.786	326.572	299.623	279.124	270.465
63.0	323.922	318.885	292.554	272.586	264.103
63.5	316.146	311.198	285.397	266.047	257.741
64.0	308.371	303.423	278.329	259.508	251.468
64.5	300.595	295.735	271.348	253.058	245.194
65.0	292.996	288.137	264.368	246.697	239.098
65.5	285.309	280.538	257.476	240.335	233.001
66.0	277.710	273.027	250.673	234.061	226.904
66.5	270.023	265.517	243.781	227.699	220.808
67.0	262.336	258.183	236.977	221.249	214.622
67.5	254.737	250.761	230.262	214.976	208.526
68.0	247.227	243.339	223.547	208.702	202.517
68.5	239.716	236.005	216.743	202.517	196.509
69.0	232.294	228.583	210.116	196.332	190.501
69.5	224.872	221.338	203.401	190.147	184.669
70.0	217.362	214.092	196.862	184.050	178.749
70.5	209.939	206.935	190.324	178.042	173.006
71.0	202.606	199.690	183.785	172.122	167.351
71.5	195.272	192.533	177.424	166.202	161.872
72.0	188.115	185.376	171.327	160.459	156.483
72.5	180.958	178.396	165.142	154.892	151.093
73.0	173.889	171.504	158.957	149.326	145.791
73.5	166.821	164.700	152.860	143.847	140.578
74.0	159.929	157.896	146.852	138.458	135.365
74.5	153.037	151.269	141.020	133.156	130.240
75.0	146.233	144.731	135.188	127.943	125.115
75.5	139.606	138.192	129.445	122.818	120.167
76.0	132.979	131.831	123.790	117.782	115.308
76.5	126.529	125.557	118.223	112.745	110.536
77.0	120.167	119.372	112.745	107.797	105.677
77.5	113.806	113.275	107.355	103.026	100.994
78.0	107.620	107.267	102.142	98.166	96.222
78.5	101.524	101.435	96.929	93.483	91.628
79.0	95.604	95.692	91.981	88.800	87.210
79.5	89.772	90.037	87.033	84.294	82.792
80.0	84.029	84.559	82.262	79.788	78.462
80.5	78.374	79.257	77.490	75.370	74.221
81.0	72.984	74.044	72.807	71.128	70.068
81.5	67.771	69.008	68.213	66.887	66.004
82.0	62.558	64.060	63.706	62.646	61.939
82.5	57.521	59.112	59.377	58.582	58.051

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83.0	52.662	54.429	54.959	54.605	54.075
83.5	47.890	49.834	50.718	50.629	50.276
84.0	43.296	45.505	46.653	46.742	46.565
84.5	38.878	41.263	42.589	42.942	42.765
85.0	34.636	37.111	38.613	39.231	39.054
85.5	30.572	33.134	34.813	35.608	35.520
86.0	26.596	29.158	31.102	31.986	31.986
86.5	22.796	25.447	27.479	28.540	28.540
87.0	19.085	21.736	23.945	25.182	25.182
87.5	15.463	18.202	20.411	21.825	21.825
88.0	11.928	14.756	17.053	18.555	18.644
88.5	8.394	11.398	13.696	15.551	15.639
89.0	4.860	7.687	10.161	12.017	11.575
89.5	2.386	4.595	6.450	7.599	7.157
90.0	2.121	3.358	4.153	4.418	3.623
90.5	2.386	4.948	6.715	7.157	7.069
91.0	4.860	6.097	7.776	9.278	9.366
91.5	8.482	8.129	8.924	9.984	10.073
92.0	12.635	10.956	10.603	11.398	11.398
92.5	16.876	14.049	12.370	12.989	12.989
93.0	21.118	17.495	14.402	14.667	14.579
93.5	25.447	20.941	16.965	16.435	16.346
94.0	29.777	24.387	19.881	18.290	18.113
94.5	34.106	28.010	23.062	20.322	19.969
95.0	38.436	31.809	26.508	22.708	21.913
95.5	42.677	35.785	30.042	25.359	24.210
96.0	47.007	39.938	33.488	28.275	26.773
96.5	51.248	44.179	36.845	31.456	29.512
97.0	55.577	48.509	40.026	34.813	32.693
97.5	59.907	52.750	43.207	38.259	35.962
98.0	64.237	57.079	46.476	41.617	39.319
98.5	68.566	61.321	49.657	44.886	42.677
99.0	72.896	65.650	52.838	48.067	45.946
99.5	77.225	69.980	56.196	51.248	49.216
100.0	81.555	74.309	59.554	54.340	52.308
100.5	85.973	78.727	63.000	57.521	55.489
101.0	90.302	83.145	66.534	60.702	58.670
101.5	94.809	87.563	70.068	63.971	61.851
102.0	99.315	92.069	73.868	67.152	65.120
102.5	103.998	96.664	77.667	70.422	68.389
103.0	108.681	101.347	81.466	73.779	71.570
103.5	113.540	106.118	85.443	77.225	74.928
104.0	118.489	110.978	89.595	80.671	78.374
104.5	123.348	115.926	93.748	84.294	81.908
105.0	128.296	120.963	98.078	87.917	85.531
105.5	133.333	126.087	102.496	91.628	89.154
106.0	138.546	131.301	107.090	95.427	92.953
106.5	143.936	136.690	111.862	99.403	96.752
107.0	149.502	142.257	116.810	103.379	100.729
107.5	155.157	147.912	121.935	107.532	104.705
108.0	161.077	153.744	127.148	111.862	108.857
108.5	167.174	159.752	132.626	116.368	113.099
109.0	173.447	165.937	138.192	120.963	117.517
109.5	179.809	172.210	144.024	125.734	122.111
110.0	186.524	178.749	150.032	130.682	126.794
110.5	193.328	185.553	156.306	135.895	131.654

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111.0	200.485	192.444	162.844	141.285	136.690
111.5	207.730	199.602	169.648	147.028	141.992
112.0	215.418	207.112	176.717	152.948	147.647
112.5	223.282	214.799	184.050	159.222	153.390
113.0	231.411	222.840	191.738	165.672	159.487
113.5	239.805	231.057	199.690	172.387	165.672
114.0	248.552	239.539	207.907	179.456	172.387
114.5	257.476	248.287	216.478	186.878	179.279
115.0	266.754	257.388	225.314	194.565	186.613
115.5	276.297	266.754	234.591	202.606	194.123
116.0	286.016	276.385	244.134	211.088	202.076
116.5	296.089	286.369	254.030	220.012	210.293
117.0	306.603	296.442	264.280	229.202	219.040
117.5	317.383	306.957	274.794	238.833	228.141
118.0	328.516	317.648	285.663	248.817	237.507
118.5	339.915	328.781	296.884	259.067	247.227
119.0	351.578	340.180	308.282	269.670	257.388
119.5	363.418	351.843	320.122	280.803	267.903
120.0	375.346	363.860	332.316	292.201	278.771
120.5	387.628	376.141	344.774	304.041	289.992
121.0	400.175	388.777	357.586	316.323	301.655
121.5	413.075	401.677	370.663	329.046	313.849
122.0	426.241	414.931	384.094	342.035	326.396
122.5	439.760	428.273	397.789	355.554	339.473
123.0	453.543	441.880	411.662	369.338	352.815
123.5	467.504	455.664	425.799	383.387	366.510
124.0	481.553	469.713	440.113	397.789	380.559
124.5	495.867	483.762	454.604	412.633	395.050
125.0	510.181	498.076	469.360	427.743	410.071
125.5	524.407	512.478	484.204	443.205	425.269
126.0	538.544	526.969	499.136	458.845	440.643
126.5	552.770	541.460	514.069	474.749	456.371
127.0	567.261	556.127	529.267	490.831	472.540
127.5	581.840	570.795	544.376	507.089	488.798
128.0	596.330	585.639	559.485	523.346	505.233
128.5	610.733	600.307	574.506	539.604	521.668
129.0	624.782	614.886	589.350	555.951	538.191
129.5	639.008	629.377	604.194	572.209	554.979
130.0	651.378	643.337	618.862	588.555	571.944
130.5	663.041	655.354	633.353	604.725	588.732
131.0	676.472	668.784	646.253	620.717	605.608
131.5	689.990	682.038	659.595	635.827	622.396
132.0	703.244	695.645	671.877	650.583	637.329
132.5	716.498	708.987	685.572	665.603	653.763
133.0	729.575	721.976	699.180	678.769	669.933
133.5	742.210	735.141	712.522	693.171	683.805
134.0	754.492	747.688	725.775	707.397	699.445
134.5	766.685	760.235	738.587	721.358	714.642
135.0	778.084	772.164	751.399	735.053	729.310
135.5	789.659	784.004	763.946	748.218	743.359
136.0	800.880	795.579	776.140	761.384	757.231
136.5	811.395	806.977	788.156	773.931	770.838
137.0	821.821	817.757	800.262	786.654	783.915
137.5	831.982	828.713	811.218	798.848	796.727
138.0	842.143	839.139	822.616	810.688	808.921
138.5	852.128	849.566	833.308	822.086	820.496

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR_.IES****CANDELA TABULATION - (Cont.)**

139.0	861.229	859.638	843.646	833.396	832.247
139.5	870.418	869.535	853.983	844.087	843.204
140.0	879.519	878.635	863.703	855.044	854.072
140.5	888.001	888.001	873.334	865.205	864.321
141.0	896.837	896.837	883.142	875.278	874.306
141.5	904.789	905.673	892.419	885.351	884.467
142.0	912.742	914.509	902.139	894.186	894.186
142.5	920.694	922.461	910.091	903.906	903.022
143.0	928.646	930.413	918.927	912.742	912.742
143.5	935.715	938.366	927.763	921.578	921.578
144.0	942.784	945.434	935.715	930.413	930.413
144.5	949.852	953.387	942.784	939.249	939.249
145.0	956.921	960.455	950.736	947.201	948.085
145.5	963.990	967.524	957.804	955.154	956.921
146.0	970.175	974.593	964.873	963.106	964.873
146.5	977.243	980.778	971.942	971.058	973.709
147.0	983.428	986.963	979.011	978.127	980.778
147.5	988.730	994.031	985.196	985.196	988.730
148.0	995.799	1000.217	992.264	992.264	995.799
148.5	1001.984	1006.402	998.449	998.449	1002.867
149.0	1008.169	1012.587	1004.634	1004.634	1009.052
149.5	1013.470	1018.772	1010.820	1010.820	1015.237
150.0	1019.655	1024.073	1017.005	1016.121	1020.539
150.5	1024.957	1030.258	1023.190	1021.423	1025.840
151.0	1030.258	1035.560	1029.375	1027.608	1031.142
151.5	1036.443	1041.745	1034.676	1032.909	1035.560
152.0	1041.745	1047.046	1040.861	1038.211	1039.978
152.5	1047.046	1052.348	1047.046	1043.512	1045.279
153.0	1052.348	1057.649	1052.348	1048.814	1049.697
153.5	1057.649	1062.067	1057.649	1054.115	1054.115
154.0	1062.067	1067.369	1062.951	1059.417	1058.533
154.5	1067.369	1072.670	1068.252	1064.718	1063.835
155.0	1071.787	1077.088	1073.554	1070.020	1068.252
155.5	1076.205	1081.506	1078.855	1075.321	1073.554
156.0	1080.623	1085.924	1083.273	1080.623	1078.855
156.5	1085.041	1090.342	1088.575	1085.924	1084.157
157.0	1088.575	1094.760	1092.993	1091.226	1088.575
157.5	1092.993	1099.178	1097.411	1096.527	1093.876
158.0	1097.411	1103.596	1101.829	1100.945	1099.178
158.5	1101.829	1107.130	1106.247	1106.247	1103.596
159.0	1105.363	1111.548	1109.781	1110.664	1108.014
159.5	1108.897	1115.082	1114.199	1115.966	1113.315
160.0	1112.432	1118.617	1118.617	1120.384	1117.733
160.5	1115.966	1122.151	1122.151	1123.918	1122.151
161.0	1119.500	1125.685	1125.685	1128.336	1126.569
161.5	1123.035	1129.220	1129.220	1131.870	1130.103
162.0	1126.569	1132.754	1132.754	1135.405	1134.521
162.5	1130.103	1136.288	1136.288	1138.939	1138.056
163.0	1133.638	1138.939	1139.823	1142.473	1141.590
163.5	1137.172	1142.473	1142.473	1145.124	1144.241
164.0	1140.706	1146.008	1146.008	1147.775	1147.775
164.5	1143.357	1149.542	1148.659	1150.426	1150.426
165.0	1146.891	1152.193	1151.309	1153.076	1153.076
165.5	1149.542	1154.844	1153.076	1155.727	1155.727
166.0	1153.076	1158.378	1155.727	1157.494	1158.378
166.5	1155.727	1161.029	1157.494	1160.145	1160.145

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR_.IES****CANDELA TABULATION - (Cont.)**

167.0	1158.378	1163.679	1160.145	1162.796	1163.679
167.5	1161.029	1166.330	1161.912	1164.563	1165.447
168.0	1163.679	1168.097	1164.563	1167.214	1167.214
168.5	1166.330	1170.748	1166.330	1168.981	1169.865
169.0	1168.097	1172.515	1168.097	1171.632	1172.515
169.5	1170.748	1175.166	1169.865	1173.399	1174.282
170.0	1172.515	1176.933	1171.632	1175.166	1176.933
170.5	1175.166	1178.700	1173.399	1176.933	1178.700
171.0	1176.933	1180.468	1174.282	1178.700	1180.468
171.5	1177.817	1181.351	1176.050	1180.468	1183.118
172.0	1180.468	1183.118	1177.817	1182.235	1184.885
172.5	1181.351	1184.885	1178.700	1184.002	1186.653
173.0	1183.118	1185.769	1180.468	1184.885	1188.420
173.5	1184.885	1187.536	1181.351	1185.769	1190.187
174.0	1185.769	1188.420	1182.235	1187.536	1191.071
174.5	1187.536	1189.303	1184.002	1188.420	1191.954
175.0	1188.420	1190.187	1184.885	1189.303	1192.838
175.5	1189.303	1191.071	1184.885	1190.187	1193.721
176.0	1191.071	1191.954	1186.653	1191.071	1194.605
176.5	1191.954	1192.838	1186.653	1191.071	1194.605
177.0	1191.954	1192.838	1187.536	1191.954	1194.605
177.5	1192.838	1193.721	1188.420	1191.954	1194.605
178.0	1193.721	1194.605	1188.420	1191.954	1195.488
178.5	1194.605	1194.605	1189.303	1192.838	1194.605
179.0	1194.605	1194.605	1189.303	1192.838	1194.605
179.5	1194.605	1194.605	1190.187	1192.838	1194.605
180.0	1192.838	1192.838	1192.838	1192.838	1192.838

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	422.84	N.A.	7.60
0-30	868.71	N.A.	15.70
0-40	1359.96	N.A.	24.60
0-60	2189.16	N.A.	39.60
0-80	2597.97	N.A.	47.00
0-90	2641.04	N.A.	47.70
10-90	2529.55	N.A.	45.70
20-40	937.12	N.A.	16.90
20-50	1392.7	N.A.	25.20
40-70	1093.25	N.A.	19.80
60-80	408.81	N.A.	7.40
70-80	144.76	N.A.	2.60
80-90	43.07	N.A.	0.80
90-110	143.64	N.A.	2.60
90-120	372.00	N.A.	6.70
90-130	788.10	N.A.	14.20
90-150	1959.61	N.A.	35.40
90-180	2892.21	N.A.	52.30
110-180	2748.57	N.A.	49.70
0-180	5533.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.49
10-20	311.35
20-30	445.87
30-40	491.25
40-50	455.58
50-60	373.62
60-70	264.05
70-80	144.76
80-90	43.07
90-100	32.66
100-110	110.99
110-120	228.35
120-130	416.10
130-140	577.07
140-150	594.44
150-160	494.52
160-170	325.06
170-180	113.02

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-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-5-00-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	11.0	11.8	12.0	12.8	14.1	12.1	13.0	13.1	13.9	15.2
	3H	12.1	12.8	13.1	13.8	15.1	13.6	14.4	14.6	15.4	16.7
	4H	12.4	13.1	13.4	14.1	15.4	14.2	14.9	15.2	15.9	17.2
	6H	12.5	13.1	13.5	14.1	15.5	14.5	15.2	15.6	16.2	17.5
	8H	12.5	13.1	13.5	14.1	15.5	14.7	15.3	15.7	16.3	17.6
	12H	12.5	13.1	13.5	14.1	15.4	14.8	15.3	15.8	16.4	17.7

UGR Viewed Endwise

4H	2H	11.3	12.0	12.4	13.1	14.4	12.3	13.0	13.3	14.0	15.4
	3H	12.6	13.2	13.6	14.2	15.6	13.9	14.5	15.0	15.6	16.9
	4H	13.0	13.5	14.0	14.5	15.9	14.5	15.1	15.6	16.1	17.5
	6H	13.2	13.6	14.2	14.7	16.1	15.0	15.5	16.0	16.5	17.9
	8H	13.2	13.6	14.2	14.7	16.1	15.2	15.6	16.2	16.6	18.0
	12H	13.2	13.6	14.2	14.6	16.0	15.3	15.6	16.3	16.7	18.1

8H	4H	13.1	13.5	14.1	14.6	15.9	14.6	15.0	15.6	16.0	17.4
	6H	13.4	13.7	14.4	14.8	16.2	15.1	15.4	16.1	16.5	17.9
	8H	13.4	13.7	14.5	14.8	16.2	15.3	15.6	16.3	16.6	18.0
	12H	13.4	13.7	14.5	14.8	16.2	15.4	15.7	16.5	16.7	18.2

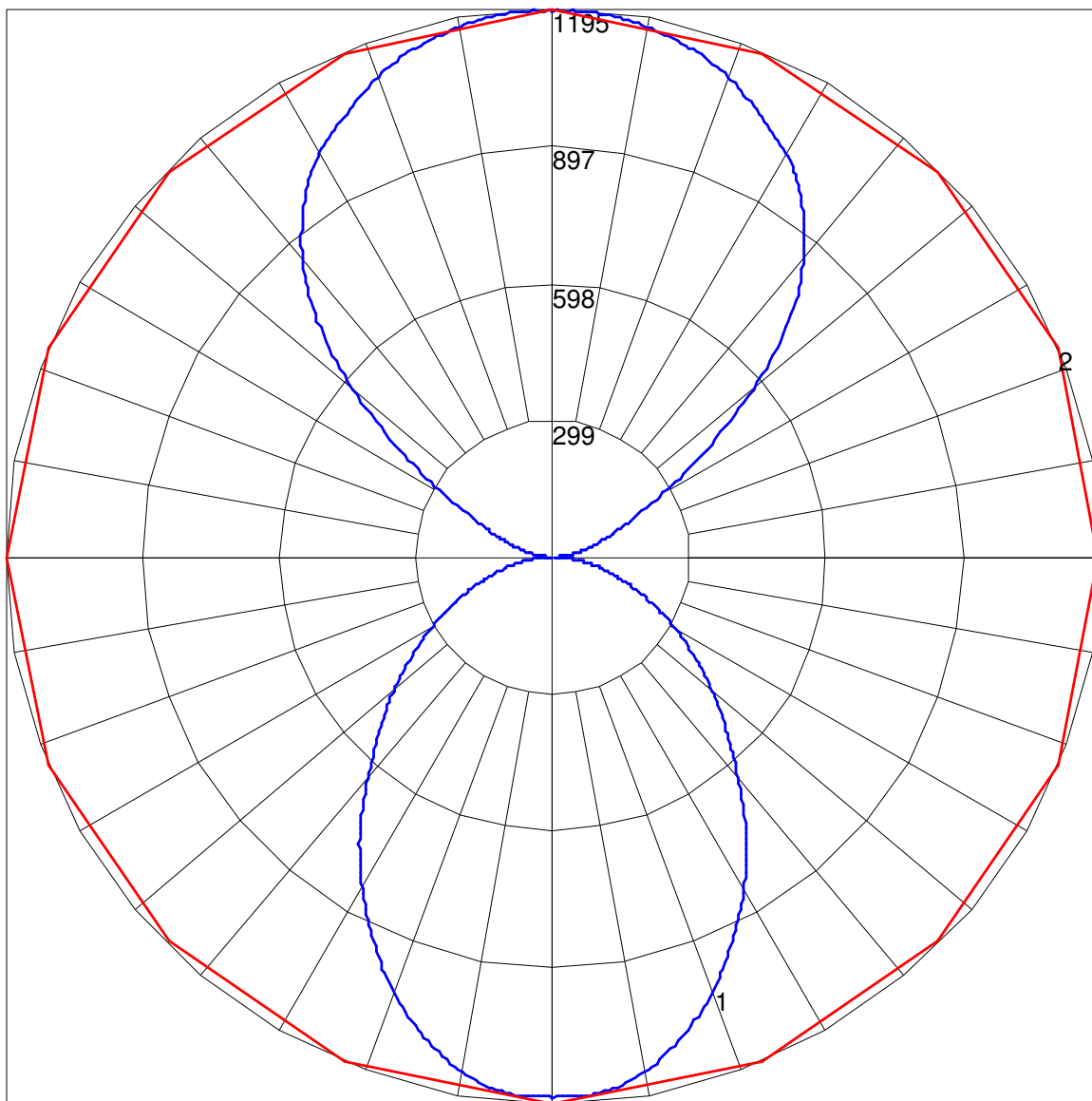
12H	4H	13.1	13.5	14.1	14.5	15.9	14.5	14.9	15.6	15.9	17.3
	6H	13.4	13.7	14.4	14.7	16.1	15.0	15.3	16.1	16.4	17.8
	8H	13.4	13.7	14.5	14.8	16.2	15.2	15.5	16.3	16.6	18.0

Maximum UGR = 18.2

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-5-00-P8-940U-P8-940D-F-F-(P5U)-POE PR_.IES

POLAR GRAPH



Maximum Candela = 1195.488 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.)