



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-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] 06/01/2021  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] MX2DU-6-00-L4-840U-L8-840D-F-F-DIM-UNV  
 [LUMINAIRE] Formed White aluminum housing, lens enclosures  
 [LAMP] 144 White Downlight LEDs/144 White Uplight LEDs  
 [BALLAST] Two Philips Advance XI040C110V054BST1 Driver  
 [OTHER] 24.1 C, 120.029 V  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4900
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	40.8
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	8154	3219	2411
55	7002	2241	1620
65	5889	1447	1019
75	4449	775	544
85	2311	240	179

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0.0</b>	1046.199	1046.199	1046.199	1046.199	1046.199
<b>0.5</b>	1043.069	1052.459	1043.852	1044.634	1044.634
<b>1.0</b>	1043.069	1051.677	1043.852	1044.634	1044.634
<b>1.5</b>	1043.069	1051.677	1043.852	1044.634	1045.417
<b>2.0</b>	1042.287	1051.677	1043.069	1044.634	1045.417
<b>2.5</b>	1042.287	1050.894	1043.069	1045.417	1045.417
<b>3.0</b>	1041.504	1050.112	1042.287	1044.634	1044.634
<b>3.5</b>	1040.722	1049.329	1041.504	1044.634	1044.634
<b>4.0</b>	1039.157	1048.547	1040.722	1043.852	1043.852
<b>4.5</b>	1038.374	1047.764	1039.939	1043.069	1043.069
<b>5.0</b>	1037.592	1046.199	1038.374	1042.287	1041.504
<b>5.5</b>	1036.027	1045.417	1037.592	1040.722	1039.939
<b>6.0</b>	1034.462	1043.852	1036.027	1039.157	1038.374
<b>6.5</b>	1032.897	1042.287	1034.462	1036.809	1036.809
<b>7.0</b>	1031.332	1040.722	1032.897	1034.462	1034.462
<b>7.5</b>	1028.984	1039.157	1030.549	1032.114	1031.332
<b>8.0</b>	1027.419	1036.809	1028.984	1028.984	1028.202
<b>8.5</b>	1025.072	1034.462	1026.637	1025.854	1025.072
<b>9.0</b>	1022.724	1032.897	1024.289	1022.724	1021.942
<b>9.5</b>	1020.377	1030.549	1021.942	1019.594	1018.029
<b>10.0</b>	1018.029	1028.202	1018.812	1015.682	1013.334
<b>10.5</b>	1015.682	1025.854	1016.464	1012.552	1008.639
<b>11.0</b>	1013.334	1022.724	1012.552	1008.639	1004.727
<b>11.5</b>	1010.204	1019.594	1009.422	1003.944	1000.032
<b>12.0</b>	1007.074	1017.247	1005.509	1000.032	994.554
<b>12.5</b>	1003.944	1014.117	1001.597	995.337	989.859
<b>13.0</b>	1000.814	1010.987	997.684	990.642	984.382
<b>13.5</b>	997.684	1007.074	993.772	985.947	978.904
<b>14.0</b>	993.772	1003.944	989.077	981.252	974.209
<b>14.5</b>	990.642	1000.032	984.382	975.774	968.732
<b>15.0</b>	986.729	996.119	979.687	970.297	962.472
<b>15.5</b>	982.034	992.207	974.992	964.820	956.995
<b>16.0</b>	978.122	988.294	970.297	959.342	950.735
<b>16.5</b>	974.209	983.599	964.820	953.082	944.475
<b>17.0</b>	970.297	978.904	959.342	947.605	938.997
<b>17.5</b>	965.602	974.992	953.865	941.345	932.737
<b>18.0</b>	960.907	969.515	948.387	935.085	926.477
<b>18.5</b>	956.995	964.820	942.910	929.607	920.217
<b>19.0</b>	952.300	960.125	936.650	922.565	913.175
<b>19.5</b>	947.605	954.647	930.390	916.305	906.915
<b>20.0</b>	942.127	949.170	924.130	910.045	899.872
<b>20.5</b>	937.432	944.475	917.870	903.002	892.047
<b>21.0</b>	932.737	938.215	911.610	895.177	885.787
<b>21.5</b>	927.260	932.737	905.350	888.135	877.180
<b>22.0</b>	921.782	927.260	899.090	881.092	870.137
<b>22.5</b>	916.305	921.000	892.047	873.267	863.095
<b>23.0</b>	910.827	915.522	885.787	865.442	854.487
<b>23.5</b>	905.350	909.262	878.745	857.617	846.662
<b>24.0</b>	899.090	903.002	871.702	849.792	838.055
<b>24.5</b>	893.612	896.742	865.442	841.967	830.230
<b>25.0</b>	886.570	890.482	857.617	833.360	821.622
<b>25.5</b>	880.310	884.222	850.575	825.535	813.797
<b>26.0</b>	874.050	877.180	843.532	817.710	805.973
<b>26.5</b>	867.007	870.137	835.707	809.885	797.365

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

27.0	860.747	863.095	828.665	801.278	788.758
27.5	853.705	856.052	820.840	793.453	780.776
28.0	845.880	849.010	813.797	784.845	772.482
28.5	838.837	841.967	805.190	776.942	764.500
29.0	831.012	834.142	797.365	768.804	756.597
29.5	823.970	827.100	789.540	760.666	748.146
30.0	816.145	819.275	781.246	752.763	739.617
30.5	809.103	810.667	773.029	744.468	731.792
31.0	801.278	803.625	764.657	736.095	722.950
31.5	792.670	795.018	756.049	727.645	714.499
32.0	785.628	786.410	747.520	718.959	705.969
32.5	777.098	778.194	738.834	709.804	697.518
33.0	769.508	769.430	729.914	700.961	688.363
33.5	761.292	761.135	721.150	692.119	679.443
34.0	752.997	752.371	712.229	683.120	671.070
34.5	744.938	743.373	703.231	673.887	662.228
35.0	736.878	734.609	694.467	664.653	652.759
35.5	728.818	725.375	685.546	655.342	643.135
36.0	720.680	716.690	676.234	646.265	633.901
36.5	712.386	707.691	667.314	636.797	624.433
37.0	704.013	698.927	658.159	627.485	614.182
37.5	695.093	690.006	649.238	618.017	604.166
38.0	686.720	681.086	640.005	608.392	594.229
38.5	677.878	672.009	631.084	598.689	584.604
39.0	669.035	663.167	621.694	589.377	576.466
39.5	660.037	654.481	612.617	581.396	567.624
40.0	651.194	645.952	603.384	572.319	558.077
40.5	642.118	636.953	594.307	563.633	548.687
41.0	633.432	628.111	586.091	554.243	539.689
41.5	624.668	619.503	578.657	545.010	530.925
42.0	615.669	610.583	569.815	536.167	522.395
42.5	606.749	601.897	561.520	527.560	514.179
43.0	598.063	593.211	552.756	519.187	506.119
43.5	589.768	585.308	544.227	511.049	498.294
44.0	581.787	578.187	535.854	503.146	490.626
44.5	575.683	569.658	527.560	495.399	483.114
45.0	567.076	561.286	519.422	487.809	475.524
45.5	558.625	552.991	511.440	480.297	468.090
46.0	550.331	544.462	503.615	472.942	460.656
46.5	541.958	535.933	495.790	465.508	453.301
47.0	533.742	527.482	488.122	458.152	445.867
47.5	525.369	519.031	480.375	450.797	438.512
48.0	517.153	510.736	472.707	443.363	431.156
48.5	508.936	502.442	464.960	436.008	423.879
49.0	500.720	494.225	457.292	428.496	416.680
49.5	492.582	486.009	449.545	421.218	409.481
50.0	484.523	477.871	441.876	413.941	402.360
50.5	476.385	469.733	434.130	406.664	395.396
51.0	468.247	461.674	426.383	399.465	388.432
51.5	460.187	453.614	418.714	392.266	381.468
52.0	452.049	445.554	411.202	385.145	374.503
52.5	443.911	437.651	403.691	378.103	367.617
53.0	435.773	429.669	396.335	371.060	360.810
53.5	427.713	421.766	389.058	364.018	353.767
54.0	419.732	414.019	381.859	357.132	346.881
54.5	411.750	406.194	374.738	350.089	339.995

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55.0	403.847	398.526	367.617	343.125	333.109
55.5	395.944	390.936	360.575	336.317	326.301
56.0	388.119	383.346	353.532	329.431	319.416
56.5	380.372	375.912	346.490	322.780	312.764
57.0	372.704	368.400	339.447	316.051	306.191
57.5	365.113	360.888	332.405	309.478	299.775
58.0	357.680	353.376	325.441	302.905	293.358
58.5	350.246	345.942	318.477	296.488	287.177
59.0	343.125	338.665	311.669	290.072	280.917
59.5	336.083	331.466	304.783	283.734	274.813
60.0	329.040	324.267	298.053	277.474	268.788
60.5	322.076	317.146	291.402	271.292	262.763
61.0	315.034	310.026	284.829	265.188	256.816
61.5	307.991	303.061	278.256	259.163	250.947
62.0	300.870	296.097	271.761	253.138	245.235
62.5	293.828	289.211	265.345	247.191	239.523
63.0	286.864	282.403	259.085	241.401	233.889
63.5	279.978	275.596	252.747	235.610	228.255
64.0	273.092	268.710	246.487	229.820	222.699
64.5	266.206	261.902	240.305	224.107	217.143
65.0	259.476	255.172	234.123	218.473	211.744
65.5	252.668	248.443	228.020	212.839	206.345
66.0	245.939	241.792	221.995	207.284	200.945
66.5	239.131	235.141	215.891	201.650	195.546
67.0	232.324	228.646	209.866	195.937	190.069
67.5	225.594	222.073	203.919	190.382	184.669
68.0	218.943	215.500	197.972	184.826	179.348
68.5	212.292	209.005	191.947	179.348	174.027
69.0	205.719	202.432	186.078	173.871	168.706
69.5	199.146	196.016	180.131	168.393	163.542
70.0	192.494	189.599	174.340	162.994	158.299
70.5	185.921	183.261	168.550	157.673	153.213
71.0	179.427	176.844	162.759	152.431	148.205
71.5	172.932	170.506	157.126	147.188	143.354
72.0	166.594	164.168	151.726	142.102	138.580
72.5	160.256	157.986	146.249	137.172	133.807
73.0	153.996	151.883	140.771	132.242	129.112
73.5	147.736	145.858	135.372	127.391	124.495
74.0	141.632	139.832	130.051	122.617	119.879
74.5	135.529	133.964	124.887	117.922	115.340
75.0	129.503	128.173	119.722	113.306	110.802
75.5	123.635	122.383	114.636	108.767	106.420
76.0	117.766	116.749	109.628	104.307	102.116
76.5	112.054	111.193	104.698	99.847	97.890
77.0	106.420	105.715	99.847	95.465	93.587
77.5	100.786	100.316	95.073	91.239	89.439
78.0	95.308	94.995	90.457	86.935	85.214
78.5	89.909	89.831	85.840	82.788	81.145
79.0	84.666	84.744	81.458	78.641	77.233
79.5	79.502	79.737	77.076	74.650	73.320
80.0	74.416	74.885	72.851	70.660	69.486
80.5	69.408	70.190	68.625	66.747	65.730
81.0	64.634	65.573	64.478	62.991	62.052
81.5	60.018	61.113	60.409	59.235	58.453
82.0	55.401	56.731	56.418	55.479	54.853
82.5	50.941	52.349	52.584	51.880	51.410

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

83.0	46.637	48.202	48.671	48.358	47.889
83.5	42.411	44.133	44.915	44.837	44.524
84.0	38.342	40.299	41.316	41.394	41.238
84.5	34.430	36.543	37.716	38.029	37.873
85.0	30.674	32.865	34.195	34.743	34.586
85.5	27.074	29.344	30.830	31.535	31.456
86.0	23.553	25.822	27.544	28.326	28.326
86.5	20.188	22.536	24.336	25.275	25.275
87.0	16.902	19.249	21.206	22.301	22.301
87.5	13.694	16.119	18.076	19.328	19.328
88.0	10.564	13.068	15.102	16.432	16.511
88.5	7.434	10.094	12.129	13.772	13.850
89.0	4.304	6.808	8.999	10.642	10.251
89.5	2.113	4.069	5.712	6.729	6.338
90.0	1.878	2.973	3.678	3.912	3.208
90.5	2.113	4.382	5.947	6.338	6.260
91.0	4.304	5.399	6.886	8.216	8.294
91.5	7.512	7.199	7.903	8.842	8.920
92.0	11.190	9.703	9.390	10.094	10.094
92.5	14.946	12.442	10.955	11.503	11.503
93.0	18.702	15.493	12.755	12.989	12.911
93.5	22.536	18.545	15.024	14.554	14.476
94.0	26.370	21.597	17.606	16.198	16.041
94.5	30.204	24.805	20.423	17.997	17.684
95.0	34.039	28.170	23.475	20.110	19.406
95.5	37.795	31.691	26.605	22.458	21.440
96.0	41.629	35.369	29.657	25.040	23.710
96.5	45.385	39.125	32.630	27.857	26.135
97.0	49.219	42.959	35.447	30.830	28.952
97.5	53.053	46.715	38.264	33.882	31.848
98.0	56.888	50.549	41.159	36.856	34.821
98.5	60.722	54.305	43.976	39.751	37.795
99.0	64.556	58.140	46.793	42.568	40.690
99.5	68.390	61.974	49.767	45.385	43.585
100.0	72.225	65.808	52.740	48.124	46.324
100.5	76.137	69.721	55.792	50.941	49.141
101.0	79.971	73.633	58.922	53.758	51.958
101.5	83.962	77.546	62.052	56.653	54.775
102.0	87.953	81.536	65.417	59.470	57.670
102.5	92.100	85.605	68.782	62.365	60.565
103.0	96.247	89.752	72.146	65.339	63.382
103.5	100.551	93.978	75.668	68.390	66.356
104.0	104.933	98.282	79.345	71.442	69.408
104.5	109.237	102.664	83.023	74.650	72.538
105.0	113.619	107.124	86.857	77.859	75.746
105.5	118.079	111.662	90.770	81.145	78.954
106.0	122.696	116.279	94.839	84.510	82.319
106.5	127.469	121.052	99.064	88.031	85.683
107.0	132.399	125.982	103.446	91.552	89.205
107.5	137.407	130.990	107.985	95.230	92.726
108.0	142.649	136.155	112.601	99.064	96.404
108.5	148.049	141.476	117.453	103.055	100.160
109.0	153.604	146.953	122.383	107.124	104.072
109.5	159.238	152.509	127.547	111.349	108.141
110.0	165.185	158.299	132.868	115.731	112.288
110.5	171.210	164.324	138.424	120.348	116.592

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111.0	177.549	170.428	144.214	125.121	121.052
111.5	183.965	176.766	150.240	130.208	125.747
112.0	190.773	183.417	156.500	135.450	130.755
112.5	197.737	190.225	162.994	141.006	135.842
113.0	204.936	197.346	169.802	146.718	141.241
113.5	212.370	204.623	176.844	152.665	146.718
114.0	220.117	212.135	184.122	158.925	152.665
114.5	228.020	219.882	191.712	165.498	158.769
115.0	236.236	227.942	199.537	172.306	165.263
115.5	244.687	236.236	207.753	179.427	171.915
116.0	253.294	244.765	216.204	186.939	178.957
116.5	262.215	253.607	224.968	194.842	186.234
117.0	271.527	262.528	234.045	202.980	193.981
117.5	281.073	271.840	243.357	211.509	202.041
118.0	290.933	281.308	252.981	220.351	210.335
118.5	301.027	291.167	262.919	229.428	218.943
119.0	311.356	301.262	273.013	238.818	227.942
119.5	321.841	311.591	283.499	248.678	237.253
120.0	332.405	322.233	294.297	258.772	246.878
120.5	343.282	333.109	305.331	269.257	256.816
121.0	354.393	344.299	316.677	280.134	267.145
121.5	365.818	355.723	328.258	291.402	277.943
122.0	377.477	367.461	340.152	302.905	289.055
122.5	389.449	379.277	352.280	314.877	300.636
123.0	401.656	391.327	364.566	327.084	312.451
123.5	414.019	403.534	377.086	339.526	324.580
124.0	426.461	415.976	389.762	352.280	337.022
124.5	439.138	428.417	402.595	365.426	349.855
125.0	451.814	441.094	415.663	378.807	363.157
125.5	464.412	453.849	428.809	392.501	376.616
126.0	476.932	466.682	442.033	406.351	390.232
126.5	489.530	479.515	455.257	420.436	404.160
127.0	502.363	492.504	468.716	434.677	418.480
127.5	515.275	505.493	482.097	449.075	432.878
128.0	528.108	518.639	495.477	463.473	447.432
128.5	540.862	531.629	508.780	477.871	461.987
129.0	553.304	544.540	521.926	492.347	476.619
129.5	565.902	557.373	535.072	506.745	491.487
130.0	576.857	569.736	548.061	521.222	506.511
130.5	587.186	580.378	560.894	535.541	521.378
131.0	599.080	592.272	572.319	549.705	536.324
131.5	611.052	604.010	584.134	563.085	551.191
132.0	622.790	616.060	595.011	576.153	564.416
132.5	634.527	627.876	607.140	589.455	578.970
133.0	646.108	639.379	619.190	601.115	593.290
133.5	657.298	651.038	631.006	613.869	605.575
134.0	668.175	662.149	642.744	626.468	619.425
134.5	678.973	673.261	654.090	638.831	632.884
135.0	689.067	683.825	665.436	650.960	645.874
135.5	699.318	694.310	676.547	662.619	658.315
136.0	709.256	704.561	687.346	674.278	670.600
136.5	718.568	714.655	697.988	685.390	682.651
137.0	727.801	724.202	708.708	696.658	694.232
137.5	736.800	733.904	718.411	707.456	705.578
138.0	745.798	743.138	728.505	717.942	716.377
138.5	754.641	752.371	737.973	728.036	726.627

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

139.0	762.700	761.292	747.129	738.052	737.034
139.5	770.838	770.056	756.284	747.520	746.737
140.0	778.898	778.116	764.891	757.223	756.362
140.5	786.410	786.410	773.421	766.222	765.439
141.0	794.235	794.235	782.106	775.142	774.281
141.5	801.278	802.060	790.323	784.063	783.280
142.0	808.320	809.885	798.930	791.888	791.888
142.5	815.362	816.927	805.973	800.495	799.713
143.0	822.405	823.970	813.797	808.320	808.320
143.5	828.665	831.012	821.622	816.145	816.145
144.0	834.925	837.272	828.665	823.970	823.970
144.5	841.185	844.315	834.925	831.795	831.795
145.0	847.445	850.575	841.967	838.837	839.620
145.5	853.705	856.835	848.227	845.880	847.445
146.0	859.182	863.095	854.487	852.922	854.487
146.5	865.442	868.572	860.747	859.965	862.312
147.0	870.920	874.050	867.007	866.225	868.572
147.5	875.615	880.310	872.485	872.485	875.615
148.0	881.875	885.787	878.745	878.745	881.875
148.5	887.352	891.265	884.222	884.222	888.135
149.0	892.830	896.742	889.700	889.700	893.612
149.5	897.525	902.220	895.177	895.177	899.090
150.0	903.002	906.915	900.655	899.872	903.785
150.5	907.697	912.392	906.132	904.567	908.480
151.0	912.392	917.087	911.610	910.045	913.175
151.5	917.870	922.565	916.305	914.740	917.087
152.0	922.565	927.260	921.782	919.435	921.000
152.5	927.260	931.955	927.260	924.130	925.695
153.0	931.955	936.650	931.955	928.825	929.607
153.5	936.650	940.562	936.650	933.520	933.520
154.0	940.562	945.257	941.345	938.215	937.432
154.5	945.257	949.952	946.040	942.910	942.127
155.0	949.170	953.865	950.735	947.605	946.040
155.5	953.082	957.777	955.430	952.300	950.735
156.0	956.995	961.690	959.342	956.995	955.430
156.5	960.907	965.602	964.037	961.690	960.125
157.0	964.037	969.515	967.950	966.385	964.037
157.5	967.950	973.427	971.862	971.080	968.732
158.0	971.862	977.339	975.774	974.992	973.427
158.5	975.774	980.469	979.687	979.687	977.339
159.0	978.904	984.382	982.817	983.599	981.252
159.5	982.034	987.512	986.729	988.294	985.947
160.0	985.164	990.642	990.642	992.207	989.859
160.5	988.294	993.772	993.772	995.337	993.772
161.0	991.424	996.902	996.902	999.249	997.684
161.5	994.554	1000.032	1000.032	1002.379	1000.814
162.0	997.684	1003.162	1003.162	1005.509	1004.727
162.5	1000.814	1006.292	1006.292	1008.639	1007.857
163.0	1003.944	1008.639	1009.422	1011.769	1010.987
163.5	1007.074	1011.769	1011.769	1014.117	1013.334
164.0	1010.204	1014.899	1014.899	1016.464	1016.464
164.5	1012.552	1018.029	1017.247	1018.812	1018.812
165.0	1015.682	1020.377	1019.594	1021.159	1021.159
165.5	1018.029	1022.724	1021.159	1023.507	1023.507
166.0	1021.159	1025.854	1023.507	1025.072	1025.854
166.5	1023.507	1028.202	1025.072	1027.419	1027.419

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

167.0	1025.854	1030.549	1027.419	1029.767	1030.549
167.5	1028.202	1032.897	1028.984	1031.332	1032.114
168.0	1030.549	1034.462	1031.332	1033.679	1033.679
168.5	1032.897	1036.809	1032.897	1035.244	1036.027
169.0	1034.462	1038.374	1034.462	1037.592	1038.374
169.5	1036.809	1040.722	1036.027	1039.157	1039.939
170.0	1038.374	1042.287	1037.592	1040.722	1042.287
170.5	1040.722	1043.852	1039.157	1042.287	1043.852
171.0	1042.287	1045.417	1039.939	1043.852	1045.417
171.5	1043.069	1046.199	1041.504	1045.417	1047.764
172.0	1045.417	1047.764	1043.069	1046.982	1049.329
172.5	1046.199	1049.329	1043.852	1048.547	1050.894
173.0	1047.764	1050.112	1045.417	1049.329	1052.459
173.5	1049.329	1051.677	1046.199	1050.112	1054.024
174.0	1050.112	1052.459	1046.982	1051.677	1054.807
174.5	1051.677	1053.242	1048.547	1052.459	1055.589
175.0	1052.459	1054.024	1049.329	1053.242	1056.372
175.5	1053.242	1054.807	1049.329	1054.024	1057.154
176.0	1054.807	1055.589	1050.894	1054.807	1057.937
176.5	1055.589	1056.372	1050.894	1054.807	1057.937
177.0	1055.589	1056.372	1051.677	1055.589	1057.937
177.5	1056.372	1057.154	1052.459	1055.589	1057.937
178.0	1057.154	1057.937	1052.459	1055.589	1058.719
178.5	1057.937	1057.937	1053.242	1056.372	1057.937
179.0	1057.937	1057.937	1053.242	1056.372	1057.937
179.5	1057.937	1057.937	1054.024	1056.372	1057.937
180.0	1056.372	1056.372	1056.372	1056.372	1056.372



**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-F-F-DIM-UNV\_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	374.47	N.A.	7.60
0-30	769.33	N.A.	15.70
0-40	1204.38	N.A.	24.60
0-60	1938.71	N.A.	39.60
0-80	2300.75	N.A.	47.00
0-90	2338.89	N.A.	47.70
10-90	2240.16	N.A.	45.70
20-40	829.91	N.A.	16.90
20-50	1233.37	N.A.	25.20
40-70	968.18	N.A.	19.80
60-80	362.04	N.A.	7.40
70-80	128.20	N.A.	2.60
80-90	38.14	N.A.	0.80
90-110	127.21	N.A.	2.60
90-120	329.44	N.A.	6.70
90-130	697.94	N.A.	14.20
90-150	1735.43	N.A.	35.40
90-180	2561.33	N.A.	52.30
110-180	2434.12	N.A.	49.70
0-180	4900.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	98.73
10-20	275.73
20-30	394.86
30-40	435.05
40-50	403.46
50-60	330.87
60-70	233.84
70-80	128.20
80-90	38.14
90-100	28.92
100-110	98.29
110-120	202.23
120-130	368.50
130-140	511.05
140-150	526.43
150-160	437.94
160-170	287.87
170-180	100.09

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-840U-L4-840D-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-6-00-L4-840U-L4-840D-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

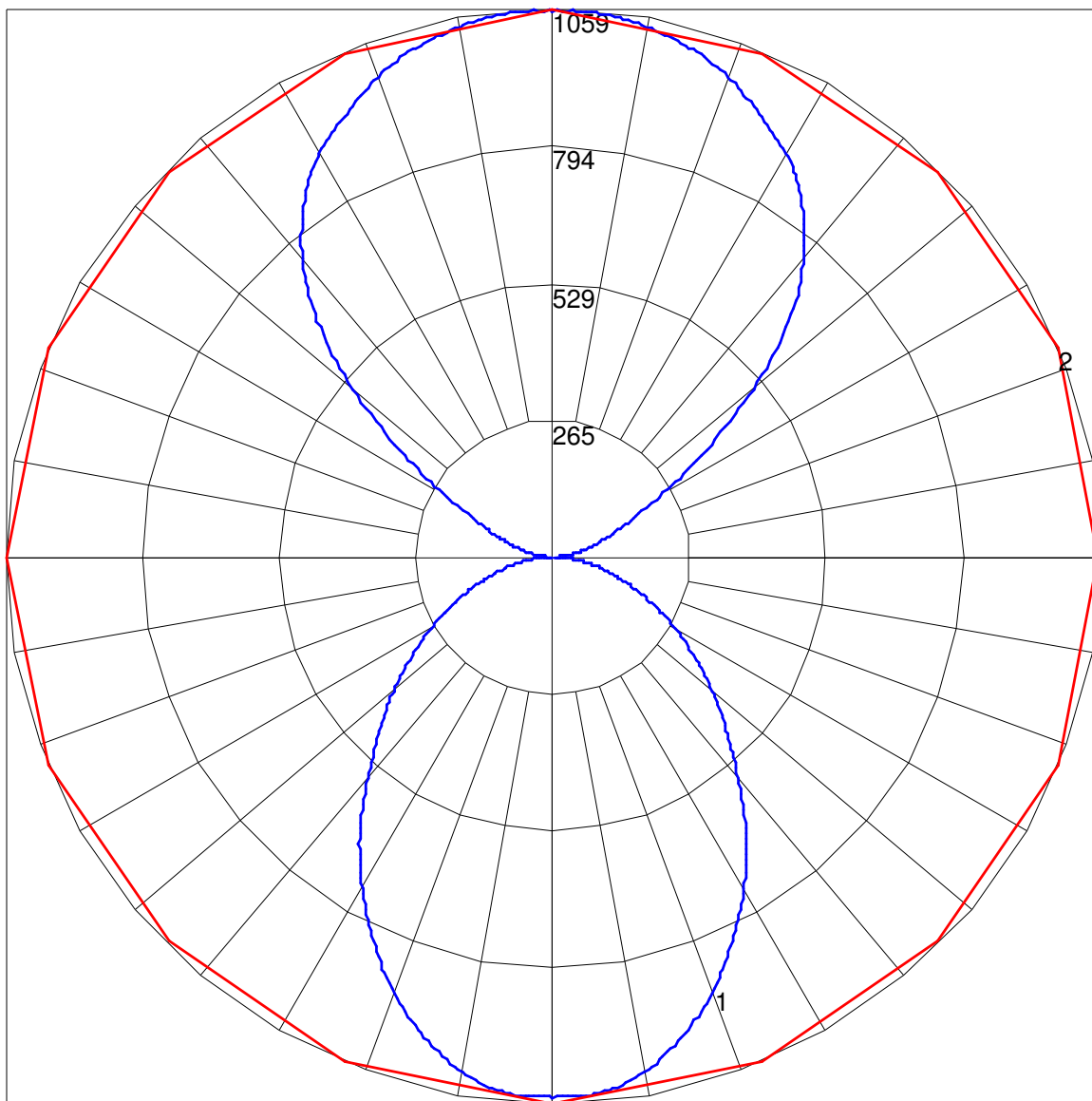
X=2H	Y=2H	10.0	10.8	10.9	11.8	13.1	11.1	12.0	12.1	12.9	14.2
	3H	11.1	11.8	12.0	12.8	14.1	12.6	13.4	13.6	14.4	15.7
	4H	11.3	12.0	12.3	13.0	14.4	13.2	13.9	14.2	14.9	16.2
	6H	11.5	12.1	12.5	13.1	14.5	13.6	14.2	14.6	15.2	16.6
	8H	11.5	12.1	12.5	13.1	14.4	13.7	14.3	14.7	15.3	16.7
	12H	11.4	12.0	12.5	13.0	14.4	13.8	14.4	14.8	15.4	16.7

### UGR Viewed Endwise

4H	2H	10.3	11.0	11.3	12.0	13.4	11.3	12.0	12.3	13.0	14.3
	3H	11.6	12.2	12.6	13.2	14.5	12.9	13.5	13.9	14.6	15.9
	4H	12.0	12.5	13.0	13.5	14.9	13.5	14.1	14.6	15.1	16.5
	6H	12.2	12.6	13.2	13.7	15.0	14.0	14.5	15.0	15.5	16.9
	8H	12.2	12.6	13.2	13.6	15.0	14.2	14.6	15.2	15.6	17.0
	12H	12.2	12.5	13.2	13.6	15.0	14.3	14.7	15.3	15.7	17.1
8H	4H	12.1	12.5	13.1	13.5	14.9	13.6	14.0	14.6	15.0	16.4
	6H	12.3	12.7	13.4	13.8	15.1	14.1	14.4	15.1	15.5	16.9
	8H	12.4	12.7	13.5	13.8	15.2	14.3	14.6	15.3	15.6	17.0
	12H	12.4	12.7	13.5	13.7	15.2	14.4	14.7	15.5	15.7	17.2
12H	4H	12.0	12.4	13.1	13.5	14.9	13.5	13.9	14.6	14.9	16.3
	6H	12.3	12.6	13.4	13.7	15.1	14.0	14.4	15.1	15.4	16.8
	8H	12.4	12.7	13.5	13.7	15.2	14.2	14.5	15.3	15.6	17.0

Maximum UGR = 17.2

POLAR GRAPH



Maximum Candela = 1058.719 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.)