



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-3-00-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-3-00-L8-835U-L8-835D-F-F-DIM-UNV
 [LUMINAIRE] Suspended Direct Indirect LED Luminaire
 [MORE] w/flat diffused acrylic shielding
 [LAMP] LED
 [LAMPCAT] HLMX 80 CRI 3500K CCT, SAMSUNG LM281B+ COB

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4755
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	40.2
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)	3.00 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	15036	6149	4679
55	12659	4271	3144
65	10330	2753	1978
75	7369	1470	1056
85	3231	454	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	1015.240	1015.240	1015.240	1015.240	1015.240
0.5	1012.203	1021.315	1012.962	1013.722	1013.722
1.0	1012.203	1020.556	1012.962	1013.722	1013.722
1.5	1012.203	1020.556	1012.962	1013.722	1014.481
2.0	1011.444	1020.556	1012.203	1013.722	1014.481
2.5	1011.444	1019.796	1012.203	1014.481	1014.481
3.0	1010.684	1019.037	1011.444	1013.722	1013.722
3.5	1009.925	1018.278	1010.684	1013.722	1013.722
4.0	1008.406	1017.518	1009.925	1012.962	1012.962
4.5	1007.647	1016.759	1009.166	1012.203	1012.203
5.0	1006.888	1015.240	1007.647	1011.444	1010.684
5.5	1005.369	1014.481	1006.888	1009.925	1009.166
6.0	1003.850	1012.962	1005.369	1008.406	1007.647
6.5	1002.332	1011.444	1003.850	1006.128	1006.128
7.0	1000.813	1009.925	1002.332	1003.850	1003.850
7.5	998.535	1008.406	1000.054	1001.572	1000.813
8.0	997.016	1006.128	998.535	998.535	997.775
8.5	994.738	1003.850	996.257	995.497	994.738
9.0	992.460	1002.332	993.979	992.460	991.701
9.5	990.182	1000.054	991.701	989.423	987.904
10.0	987.904	997.775	988.663	985.626	983.348
10.5	985.626	995.497	986.385	982.589	978.792
11.0	983.348	992.460	982.589	978.792	974.995
11.5	980.311	989.423	979.551	974.236	970.439
12.0	977.273	987.145	975.755	970.439	965.124
12.5	974.236	984.107	971.958	965.883	960.568
13.0	971.199	981.070	968.161	961.327	955.252
13.5	968.161	977.273	964.364	956.771	949.937
14.0	964.364	974.236	959.808	952.215	945.381
14.5	961.327	970.439	955.252	946.900	940.065
15.0	957.530	966.642	950.696	941.584	933.991
15.5	952.974	962.846	946.140	936.269	928.675
16.0	949.178	959.049	941.584	930.953	922.601
16.5	945.381	954.493	936.269	924.879	916.526
17.0	941.584	949.937	930.953	919.563	911.210
17.5	937.028	946.140	925.638	913.489	905.136
18.0	932.472	940.825	920.323	907.414	899.061
18.5	928.675	936.269	915.007	902.098	892.986
19.0	924.119	931.713	908.932	895.264	886.152
19.5	919.563	926.397	902.858	889.190	880.077
20.0	914.248	921.082	896.783	883.115	873.243
20.5	909.692	916.526	890.708	876.281	865.650
21.0	905.136	910.451	884.634	868.687	859.575
21.5	899.820	905.136	878.559	861.853	851.222
22.0	894.505	899.820	872.484	855.019	844.388
22.5	889.190	893.746	865.650	847.426	837.554
23.0	883.874	888.430	859.575	839.832	829.202
23.5	878.559	882.355	852.741	832.239	821.608
24.0	872.484	876.281	845.907	824.645	813.255
24.5	867.169	870.206	839.832	817.052	805.662
25.0	860.335	864.131	832.239	808.699	797.309
25.5	854.260	858.057	825.405	801.106	789.716
26.0	848.185	851.222	818.571	793.512	782.122
26.5	841.351	844.388	810.977	785.919	773.770

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27.0	835.276	837.554	804.143	777.566	765.417
27.5	828.442	830.720	796.550	769.973	757.672
28.0	820.849	823.886	789.716	761.620	749.622
28.5	814.015	817.052	781.363	753.951	741.877
29.0	806.421	809.459	773.770	746.054	734.208
29.5	799.587	802.625	766.176	738.156	726.007
30.0	791.994	795.031	758.127	730.487	717.730
30.5	785.160	786.678	750.154	722.438	710.137
31.0	777.566	779.844	742.029	714.313	701.556
31.5	769.214	771.492	733.676	706.112	693.355
32.0	762.379	763.139	725.399	697.683	685.078
32.5	754.103	755.166	716.971	688.799	676.878
33.0	746.737	746.661	708.314	680.219	667.993
33.5	738.764	738.612	699.810	671.638	659.337
34.0	730.715	730.107	691.153	662.906	651.212
34.5	722.894	721.375	682.421	653.945	642.631
35.0	715.072	712.870	673.916	644.985	633.443
35.5	707.251	703.910	665.260	635.949	624.103
36.0	699.354	695.481	656.223	627.141	615.143
36.5	691.305	686.749	647.567	617.953	605.955
37.0	683.180	678.244	638.683	608.916	596.008
37.5	674.524	669.588	630.026	599.728	586.288
38.0	666.399	660.931	621.066	590.388	576.644
38.5	657.818	652.123	612.409	580.973	567.304
39.0	649.237	643.542	603.297	571.936	559.407
39.5	640.505	635.114	594.489	564.191	550.827
40.0	631.924	626.837	585.529	555.383	541.563
40.5	623.116	618.104	576.720	546.954	532.451
41.0	614.687	609.524	568.747	537.842	523.718
41.5	606.183	601.171	561.533	528.882	515.214
42.0	597.450	592.515	552.953	520.301	506.937
42.5	588.794	584.086	544.904	511.948	498.964
43.0	580.365	575.657	536.399	503.823	491.142
43.5	572.316	567.988	528.122	495.926	483.549
44.0	564.571	561.078	519.997	488.257	476.107
44.5	558.648	552.801	511.948	480.739	468.818
45.0	550.295	544.676	504.051	473.374	461.452
45.5	542.094	536.627	496.306	466.084	454.238
46.0	534.045	528.350	488.713	458.946	447.025
46.5	525.920	520.073	481.119	451.733	439.887
47.0	517.947	511.872	473.678	444.595	432.673
47.5	509.822	503.672	466.160	437.457	425.535
48.0	501.849	495.623	458.719	430.243	418.397
48.5	493.876	487.574	451.201	423.105	411.336
49.0	485.903	479.600	443.760	415.816	404.350
49.5	478.006	471.627	436.242	408.754	397.364
50.0	470.185	463.730	428.800	401.692	390.454
50.5	462.287	455.833	421.283	394.630	383.696
51.0	454.390	448.012	413.765	387.644	376.937
51.5	446.569	440.191	406.324	380.658	370.179
52.0	438.672	432.369	399.034	373.748	363.421
52.5	430.775	424.700	391.745	366.914	356.739
53.0	422.878	416.955	384.607	360.080	350.133
53.5	415.056	409.285	377.545	353.246	343.299
54.0	407.311	401.768	370.559	346.564	336.616
54.5	399.566	394.174	363.649	339.730	329.934

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55.0	391.896	386.733	356.739	332.971	323.252
55.5	384.227	379.367	349.905	326.365	316.646
56.0	376.634	372.002	343.071	319.683	309.963
56.5	369.116	364.788	336.237	313.229	303.509
57.0	361.675	357.498	329.403	306.698	297.131
57.5	354.309	350.209	322.569	300.320	290.904
58.0	347.095	342.919	315.810	293.941	284.677
58.5	339.882	335.705	309.052	287.715	278.679
59.0	332.971	328.643	302.446	281.488	272.604
59.5	326.137	321.657	295.764	275.337	266.681
60.0	319.303	314.671	289.233	269.263	260.834
60.5	312.545	307.761	282.779	263.264	254.987
61.0	305.711	300.851	276.401	257.341	249.216
61.5	298.877	294.093	270.022	251.494	243.521
62.0	291.967	287.335	263.720	245.647	237.978
62.5	285.133	280.653	257.493	239.876	232.435
63.0	278.375	274.047	251.418	234.257	226.967
63.5	271.693	267.440	245.267	228.638	221.500
64.0	265.010	260.758	239.193	223.019	216.109
64.5	258.328	254.152	233.194	217.476	210.717
65.0	251.798	247.621	227.195	212.008	205.478
65.5	245.192	241.091	221.272	206.541	200.239
66.0	238.661	234.637	215.425	201.150	194.999
66.5	232.055	228.182	209.502	195.682	189.760
67.0	225.449	221.880	203.656	190.139	184.444
67.5	218.918	215.501	197.885	184.748	179.205
68.0	212.464	209.123	192.114	179.357	174.041
68.5	206.010	202.820	186.267	174.041	168.878
69.0	199.631	196.442	180.572	168.726	163.714
69.5	193.253	190.215	174.801	163.410	158.702
70.0	186.798	183.989	169.181	158.171	153.615
70.5	180.420	177.838	163.562	153.007	148.679
71.0	174.117	171.611	157.943	147.920	143.819
71.5	167.815	165.461	152.476	142.832	139.111
72.0	161.664	159.310	147.236	137.897	134.479
72.5	155.513	153.311	141.921	133.113	129.847
73.0	149.439	147.388	136.606	128.329	125.291
73.5	143.364	141.541	131.366	123.621	120.811
74.0	137.441	135.694	126.203	118.989	116.331
74.5	131.518	129.999	121.191	114.433	111.927
75.0	125.671	124.380	116.179	109.953	107.523
75.5	119.976	118.761	111.244	105.549	103.271
76.0	114.281	113.294	106.384	101.220	99.094
76.5	108.738	107.903	101.600	96.892	94.994
77.0	103.271	102.587	96.892	92.640	90.817
77.5	97.803	97.348	92.260	88.539	86.793
78.0	92.488	92.184	87.780	84.363	82.692
78.5	87.248	87.172	83.300	80.338	78.744
79.0	82.161	82.237	79.048	76.314	74.947
79.5	77.149	77.377	74.795	72.441	71.150
80.0	72.213	72.669	70.695	68.569	67.430
80.5	67.354	68.113	66.594	64.772	63.785
81.0	62.722	63.633	62.570	61.127	60.216
81.5	58.242	59.305	58.621	57.482	56.723
82.0	53.761	55.052	54.749	53.837	53.230
82.5	49.433	50.800	51.028	50.344	49.889

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83.0	45.257	46.775	47.231	46.927	46.472
83.5	41.156	42.827	43.586	43.510	43.207
84.0	37.208	39.106	40.093	40.169	40.017
84.5	33.411	35.461	36.600	36.904	36.752
85.0	29.766	31.892	33.183	33.715	33.563
85.5	26.273	28.475	29.918	30.601	30.526
86.0	22.856	25.058	26.729	27.488	27.488
86.5	19.591	21.869	23.616	24.527	24.527
87.0	16.402	18.680	20.578	21.641	21.641
87.5	13.288	15.642	17.541	18.756	18.756
88.0	10.251	12.681	14.655	15.946	16.022
88.5	7.214	9.796	11.770	13.364	13.440
89.0	4.176	6.606	8.732	10.327	9.947
89.5	2.050	3.949	5.543	6.530	6.151
90.0	1.822	2.885	3.569	3.797	3.113
90.5	2.050	4.252	5.771	6.151	6.075
91.0	4.176	5.239	6.682	7.973	8.049
91.5	7.290	6.986	7.669	8.581	8.656
92.0	10.859	9.416	9.112	9.796	9.796
92.5	14.503	12.074	10.631	11.162	11.162
93.0	18.148	15.035	12.377	12.605	12.529
93.5	21.869	17.996	14.579	14.124	14.048
94.0	25.590	20.958	17.085	15.718	15.567
94.5	29.311	24.071	19.819	17.465	17.161
95.0	33.031	27.336	22.780	19.515	18.832
95.5	36.676	30.753	25.818	21.793	20.806
96.0	40.397	34.322	28.779	24.299	23.008
96.5	44.042	37.967	31.665	27.033	25.362
97.0	47.763	41.688	34.398	29.918	28.096
97.5	51.483	45.333	37.132	32.880	30.905
98.0	55.204	49.053	39.941	35.765	33.791
98.5	58.925	52.698	42.675	38.575	36.676
99.0	62.646	56.419	45.409	41.308	39.486
99.5	66.366	60.140	48.294	44.042	42.295
100.0	70.087	63.861	51.180	46.700	44.953
100.5	73.884	67.657	54.141	49.433	47.687
101.0	77.605	71.454	57.178	52.167	50.420
101.5	81.477	75.251	60.216	54.976	53.154
102.0	85.350	79.123	63.481	57.710	55.964
102.5	89.375	83.072	66.746	60.520	58.773
103.0	93.399	87.097	70.011	63.405	61.507
103.5	97.575	91.197	73.428	66.366	64.392
104.0	101.828	95.373	76.997	69.328	67.354
104.5	106.004	99.626	80.566	72.441	70.391
105.0	110.256	103.954	84.287	75.555	73.504
105.5	114.585	108.358	88.084	78.744	76.618
106.0	119.065	112.838	92.032	82.009	79.883
106.5	123.697	117.470	96.133	85.426	83.148
107.0	128.481	122.254	100.385	88.843	86.565
107.5	133.340	127.114	104.789	92.412	89.982
108.0	138.428	132.126	109.269	96.133	93.551
108.5	143.668	137.289	113.977	100.005	97.196
109.0	149.059	142.604	118.761	103.954	100.992
109.5	154.526	147.996	123.773	108.054	104.941
110.0	160.297	153.615	128.936	112.307	108.966
110.5	166.144	159.462	134.328	116.787	113.142

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111.0	172.295	165.385	139.947	121.419	117.470
111.5	178.521	171.535	145.794	126.355	122.026
112.0	185.128	177.990	151.868	131.442	126.886
112.5	191.886	184.596	158.171	136.833	131.822
113.0	198.872	191.506	164.777	142.377	137.061
113.5	206.085	198.568	171.611	148.148	142.377
114.0	213.603	205.858	178.673	154.222	148.148
114.5	221.272	213.375	186.039	160.601	154.071
115.0	229.245	221.196	193.632	167.207	160.373
115.5	237.446	229.245	201.605	174.117	166.827
116.0	245.799	237.522	209.806	181.407	173.662
116.5	254.456	246.103	218.311	189.076	180.723
117.0	263.492	254.759	227.119	196.973	188.241
117.5	272.756	263.795	236.155	205.250	196.062
118.0	282.323	272.983	245.495	213.831	204.111
118.5	292.119	282.551	255.139	222.639	212.464
119.0	302.142	292.347	264.934	231.751	221.196
119.5	312.317	302.370	275.110	241.319	230.233
120.0	322.569	312.697	285.589	251.114	239.572
120.5	333.123	323.252	296.295	261.290	249.216
121.0	343.906	334.111	307.306	271.844	259.239
121.5	354.992	345.197	318.544	282.779	269.718
122.0	366.307	356.587	330.086	293.941	280.501
122.5	377.925	368.053	341.856	305.559	291.739
123.0	389.770	379.747	353.777	317.405	303.205
123.5	401.768	391.593	365.927	329.479	314.975
124.0	413.841	403.666	378.228	341.856	327.049
124.5	426.143	415.740	390.681	354.613	339.502
125.0	438.444	428.041	403.363	367.597	352.411
125.5	450.670	440.418	416.119	380.886	365.471
126.0	462.819	452.872	428.952	394.326	378.684
126.5	475.044	465.325	441.785	407.994	392.200
127.0	487.498	477.930	454.846	421.815	406.096
127.5	500.027	490.535	467.831	435.786	420.068
128.0	512.480	503.292	480.815	449.758	434.192
128.5	524.857	515.897	493.724	463.730	448.316
129.0	536.931	528.426	506.481	477.778	462.515
129.5	549.156	540.879	519.238	491.750	476.943
130.0	559.787	552.877	531.843	505.798	491.522
130.5	569.810	563.204	544.296	519.694	505.950
131.0	581.352	574.746	555.383	533.438	520.453
131.5	592.970	586.136	566.849	546.423	534.881
132.0	604.360	597.830	577.404	559.104	547.713
132.5	615.750	609.296	589.174	572.012	561.837
133.0	626.989	620.458	600.867	583.327	575.733
133.5	637.847	631.773	612.333	595.704	587.655
134.0	648.402	642.555	623.724	607.929	601.095
134.5	658.881	653.338	634.734	619.927	614.156
135.0	668.677	663.589	645.745	631.697	626.761
135.5	678.624	673.764	656.527	643.011	638.834
136.0	688.268	683.712	667.006	654.325	650.756
136.5	697.304	693.507	677.333	665.108	662.450
137.0	706.264	702.771	687.736	676.042	673.688
137.5	714.996	712.187	697.152	686.521	684.699
138.0	723.729	721.147	706.947	696.696	695.178
138.5	732.309	730.107	716.136	706.492	705.125

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-3-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	740.131	738.764	725.020	716.211	715.224
139.5	748.028	747.269	733.904	725.399	724.640
140.0	755.849	755.090	742.257	734.815	733.980
140.5	763.139	763.139	750.534	743.548	742.788
141.0	770.732	770.732	758.962	752.204	751.369
141.5	777.566	778.326	766.935	760.861	760.101
142.0	784.400	785.919	775.288	768.454	768.454
142.5	791.234	792.753	782.122	776.807	776.048
143.0	798.069	799.587	789.716	784.400	784.400
143.5	804.143	806.421	797.309	791.994	791.994
144.0	810.218	812.496	804.143	799.587	799.587
144.5	816.293	819.330	810.218	807.181	807.181
145.0	822.367	825.405	817.052	814.015	814.774
145.5	828.442	831.480	823.127	820.849	822.367
146.0	833.758	837.554	829.202	827.683	829.202
146.5	839.832	842.870	835.276	834.517	836.795
147.0	845.148	848.185	841.351	840.592	842.870
147.5	849.704	854.260	846.666	846.666	849.704
148.0	855.779	859.575	852.741	852.741	855.779
148.5	861.094	864.891	858.057	858.057	861.853
149.0	866.409	870.206	863.372	863.372	867.169
149.5	870.965	875.521	868.687	868.687	872.484
150.0	876.281	880.077	874.003	873.243	877.040
150.5	880.837	885.393	879.318	877.799	881.596
151.0	885.393	889.949	884.634	883.115	886.152
151.5	890.708	895.264	889.190	887.671	889.949
152.0	895.264	899.820	894.505	892.227	893.746
152.5	899.820	904.376	899.820	896.783	898.302
153.0	904.376	908.932	904.376	901.339	902.098
153.5	908.932	912.729	908.932	905.895	905.895
154.0	912.729	917.285	913.489	910.451	909.692
154.5	917.285	921.841	918.045	915.007	914.248
155.0	921.082	925.638	922.601	919.563	918.045
155.5	924.879	929.435	927.157	924.119	922.601
156.0	928.675	933.231	930.953	928.675	927.157
156.5	932.472	937.028	935.509	933.231	931.713
157.0	935.509	940.825	939.306	937.787	935.509
157.5	939.306	944.622	943.103	942.344	940.065
158.0	943.103	948.418	946.900	946.140	944.622
158.5	946.900	951.456	950.696	950.696	948.418
159.0	949.937	955.252	953.734	954.493	952.215
159.5	952.974	958.290	957.530	959.049	956.771
160.0	956.012	961.327	961.327	962.846	960.568
160.5	959.049	964.364	964.364	965.883	964.364
161.0	962.086	967.402	967.402	969.680	968.161
161.5	965.124	970.439	970.439	972.717	971.199
162.0	968.161	973.477	973.477	975.755	974.995
162.5	971.199	976.514	976.514	978.792	978.033
163.0	974.236	978.792	979.551	981.829	981.070
163.5	977.273	981.829	981.829	984.107	983.348
164.0	980.311	984.867	984.867	986.385	986.385
164.5	982.589	987.904	987.145	988.663	988.663
165.0	985.626	990.182	989.423	990.941	990.941
165.5	987.904	992.460	990.941	993.219	993.219
166.0	990.941	995.497	993.219	994.738	995.497
166.5	993.219	997.775	994.738	997.016	997.016

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-3-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	995.497	1000.054	997.016	999.294	1000.054
167.5	997.775	1002.332	998.535	1000.813	1001.572
168.0	1000.054	1003.850	1000.813	1003.091	1003.091
168.5	1002.332	1006.128	1002.332	1004.610	1005.369
169.0	1003.850	1007.647	1003.850	1006.888	1007.647
169.5	1006.128	1009.925	1005.369	1008.406	1009.166
170.0	1007.647	1011.444	1006.888	1009.925	1011.444
170.5	1009.925	1012.962	1008.406	1011.444	1012.962
171.0	1011.444	1014.481	1009.166	1012.962	1014.481
171.5	1012.203	1015.240	1010.684	1014.481	1016.759
172.0	1014.481	1016.759	1012.203	1016.000	1018.278
172.5	1015.240	1018.278	1012.962	1017.518	1019.796
173.0	1016.759	1019.037	1014.481	1018.278	1021.315
173.5	1018.278	1020.556	1015.240	1019.037	1022.834
174.0	1019.037	1021.315	1016.000	1020.556	1023.593
174.5	1020.556	1022.074	1017.518	1021.315	1024.352
175.0	1021.315	1022.834	1018.278	1022.074	1025.112
175.5	1022.074	1023.593	1018.278	1022.834	1025.871
176.0	1023.593	1024.352	1019.796	1023.593	1026.630
176.5	1024.352	1025.112	1019.796	1023.593	1026.630
177.0	1024.352	1025.112	1020.556	1024.352	1026.630
177.5	1025.112	1025.871	1021.315	1024.352	1026.630
178.0	1025.871	1026.630	1021.315	1024.352	1027.390
178.5	1026.630	1026.630	1022.074	1025.112	1026.630
179.0	1026.630	1026.630	1022.074	1025.112	1026.630
179.5	1026.630	1026.630	1022.834	1025.112	1026.630
180.0	1025.112	1025.112	1025.112	1025.112	1025.112

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-3-00-L8-835U-L8-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	363.39	N.A.	7.60
0-30	746.56	N.A.	15.70
0-40	1168.74	N.A.	24.60
0-60	1881.34	N.A.	39.60
0-80	2232.67	N.A.	47.00
0-90	2269.68	N.A.	47.70
10-90	2173.87	N.A.	45.70
20-40	805.35	N.A.	16.90
20-50	1196.87	N.A.	25.20
40-70	939.53	N.A.	19.80
60-80	351.33	N.A.	7.40
70-80	124.40	N.A.	2.60
80-90	37.01	N.A.	0.80
90-110	123.45	N.A.	2.60
90-120	319.69	N.A.	6.70
90-130	677.29	N.A.	14.20
90-150	1684.07	N.A.	35.40
90-180	2485.54	N.A.	52.30
110-180	2362.09	N.A.	49.70
0-180	4755.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.81
10-20	267.57
20-30	383.18
30-40	422.17
40-50	391.52
50-60	321.08
60-70	226.92
70-80	124.40
80-90	37.01
90-100	28.07
100-110	95.38
110-120	196.25
120-130	357.59
130-140	495.93
140-150	510.86
150-160	424.98
160-170	279.36
170-180	97.13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-3-00-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-3-00-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	12.2	13.1	13.2	14.1	15.4	13.3	14.1	14.3	15.1	16.4
	3H	13.3	14.1	14.3	15.1	16.4	14.8	15.5	15.8	16.5	17.8
	4H	13.6	14.3	14.6	15.3	16.7	15.3	16.0	16.3	17.0	18.3
	6H	13.7	14.4	14.8	15.4	16.7	15.6	16.3	16.7	17.3	18.6
	8H	13.7	14.4	14.8	15.4	16.7	15.8	16.4	16.8	17.4	18.7
	12H	13.7	14.3	14.7	15.3	16.7	15.8	16.4	16.9	17.4	18.8

UGR Viewed Endwise

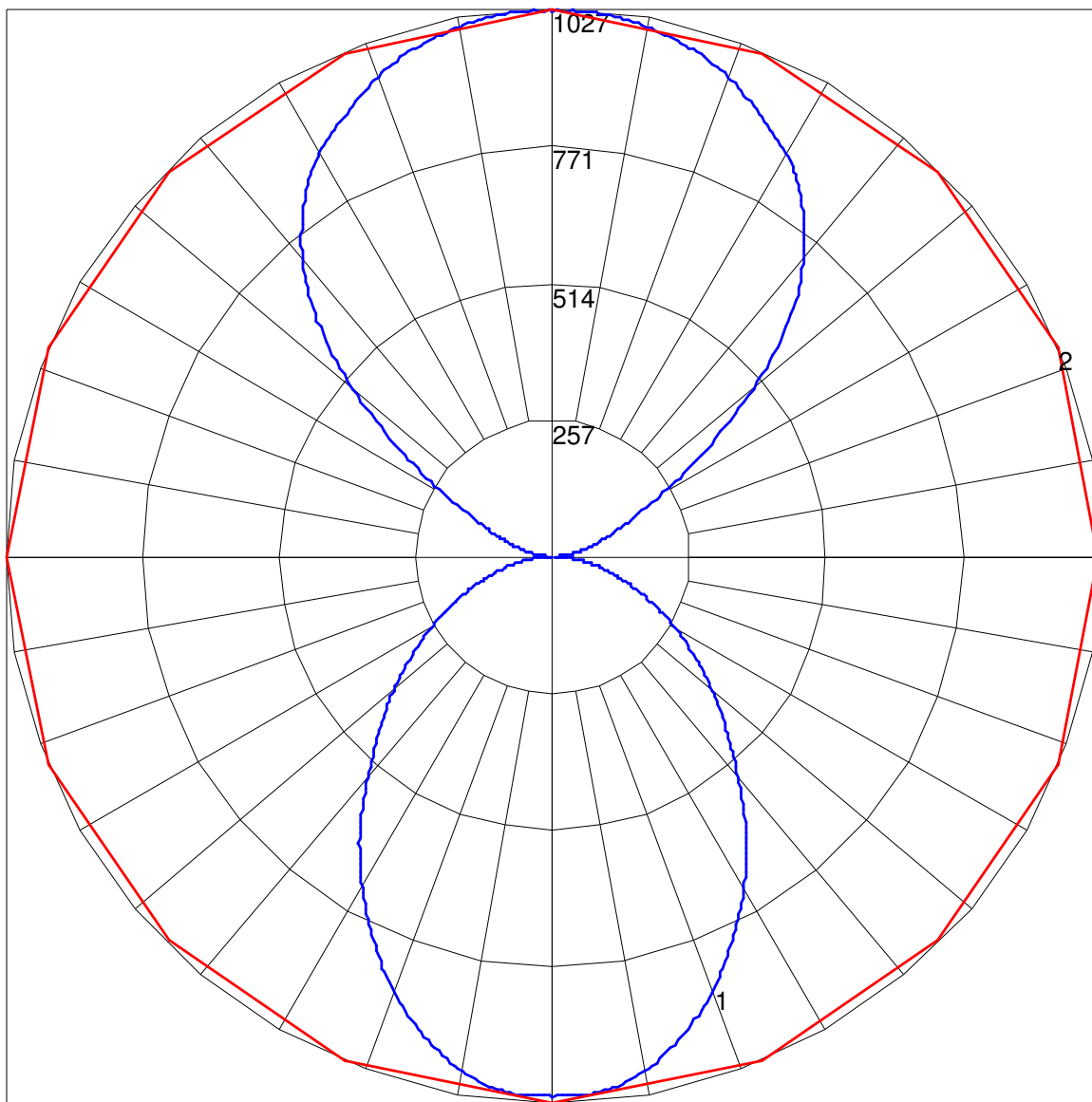
4H	2H	12.6	13.3	13.6	14.3	15.6	13.5	14.2	14.5	15.2	16.5
	3H	13.9	14.4	14.9	15.5	16.8	15.1	15.7	16.1	16.7	18.0
	4H	14.2	14.8	15.3	15.8	17.2	15.7	16.2	16.7	17.2	18.6
	6H	14.4	14.9	15.5	15.9	17.3	16.1	16.6	17.2	17.6	19.0
	8H	14.5	14.9	15.5	15.9	17.3	16.3	16.7	17.3	17.7	19.1
	12H	14.4	14.8	15.5	15.9	17.3	16.4	16.7	17.4	17.8	19.2

8H	4H	14.3	14.8	15.4	15.8	17.2	15.7	16.1	16.7	17.2	18.5
	6H	14.6	15.0	15.7	16.0	17.4	16.2	16.5	17.2	17.6	19.0
	8H	14.7	15.0	15.7	16.0	17.4	16.4	16.7	17.4	17.8	19.1
	12H	14.7	14.9	15.7	16.0	17.4	16.5	16.8	17.6	17.8	19.3

12H	4H	14.3	14.7	15.4	15.8	17.1	15.6	16.0	16.7	17.1	18.5
	6H	14.6	14.9	15.7	16.0	17.4	16.2	16.5	17.2	17.5	18.9
	8H	14.7	15.0	15.7	16.0	17.4	16.4	16.6	17.4	17.7	19.1

Maximum UGR = 19.3

POLAR GRAPH



Maximum Candela = 1027.39 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.)