



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL 13012869.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 03-APR-2020
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2WUD-4'00-L4/835U/L4/835D-F/F-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing, lens enclosures
 [LAMP] 144 White Downlight LEDs/144 White Uplight LEDs
 [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	2919
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	27.2
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)	3.96 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	7169	2883	2177
55	6092	2005	1463
65	5041	1293	920
75	3690	691	491
85	1739	214	162

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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	623.193	623.193	623.193	623.193	623.193
0.5	621.329	626.922	621.795	622.261	622.261
1.0	621.329	626.456	621.795	622.261	622.261
1.5	621.329	626.456	621.795	622.261	622.727
2.0	620.863	626.456	621.329	622.261	622.727
2.5	620.863	625.990	621.329	622.727	622.727
3.0	620.396	625.524	620.863	622.261	622.261
3.5	619.930	625.058	620.396	622.261	622.261
4.0	618.998	624.591	619.930	621.795	621.795
4.5	618.532	624.125	619.464	621.329	621.329
5.0	618.066	623.193	618.532	620.863	620.396
5.5	617.134	622.727	618.066	619.930	619.464
6.0	616.201	621.795	617.134	618.998	618.532
6.5	615.269	620.863	616.201	617.600	617.600
7.0	614.337	619.930	615.269	616.201	616.201
7.5	612.939	618.998	613.871	614.803	614.337
8.0	612.006	617.600	612.939	612.939	612.472
8.5	610.608	616.201	611.540	611.074	610.608
9.0	609.210	615.269	610.142	609.210	608.744
9.5	607.811	613.871	608.744	607.345	606.413
10.0	606.413	612.472	606.879	605.015	603.616
10.5	605.015	611.074	605.481	603.150	600.820
11.0	603.616	609.210	603.150	600.820	598.489
11.5	601.752	607.345	601.286	598.023	595.692
12.0	599.887	605.947	598.955	595.692	592.430
12.5	598.023	604.082	596.625	592.896	589.633
13.0	596.159	602.218	594.294	590.099	586.370
13.5	594.294	599.887	591.964	587.302	583.107
14.0	591.964	598.023	589.167	584.506	580.311
14.5	590.099	595.692	586.370	581.243	577.048
15.0	587.768	593.362	583.573	577.980	573.319
15.5	584.972	591.031	580.777	574.717	570.056
16.0	582.641	588.701	577.980	571.455	566.327
16.5	580.311	585.904	574.717	567.726	562.598
17.0	577.980	583.107	571.455	564.463	559.336
17.5	575.183	580.777	568.192	560.734	555.607
18.0	572.387	577.514	564.929	557.005	551.878
18.5	570.056	574.717	561.666	553.742	548.149
19.0	567.260	571.921	557.937	549.547	543.954
19.5	564.463	568.658	554.208	545.818	540.225
20.0	561.200	565.395	550.479	542.089	536.030
20.5	558.403	562.598	546.751	537.894	531.369
21.0	555.607	558.869	543.022	533.233	527.640
21.5	552.344	555.607	539.293	529.038	522.513
22.0	549.081	552.344	535.564	524.843	518.318
22.5	545.818	548.615	531.369	520.182	514.123
23.0	542.556	545.352	527.640	515.521	508.995
23.5	539.293	541.623	523.445	510.860	504.334
24.0	535.564	537.894	519.250	506.199	499.207
24.5	532.301	534.165	515.521	501.538	494.546
25.0	528.106	530.437	510.860	496.410	489.419
25.5	524.377	526.708	506.665	491.749	484.758
26.0	520.648	522.513	502.470	487.088	480.096
26.5	516.453	518.318	497.809	482.427	474.969

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

27.0	512.724	514.123	493.614	477.300	469.842
27.5	508.529	509.928	488.953	472.639	465.088
28.0	503.868	505.733	484.758	467.511	460.147
28.5	499.673	501.538	479.630	462.804	455.392
29.0	495.012	496.876	474.969	457.956	450.685
29.5	490.817	492.681	470.308	453.108	445.651
30.0	486.156	488.020	465.367	448.401	440.570
30.5	481.961	482.893	460.473	443.460	435.909
31.0	477.300	478.698	455.486	438.473	430.642
31.5	472.172	473.571	450.358	433.438	425.608
32.0	467.977	468.444	445.278	428.265	420.527
32.5	462.897	463.549	440.104	422.811	415.493
33.0	458.376	458.329	434.790	417.544	410.040
33.5	453.481	453.388	429.570	412.277	404.726
34.0	448.541	448.168	424.256	406.917	399.739
34.5	443.740	442.807	418.896	401.417	394.471
35.0	438.939	437.587	413.675	395.916	388.831
35.5	434.138	432.087	408.362	390.370	383.098
36.0	429.290	426.913	402.815	384.963	377.598
36.5	424.349	421.553	397.501	379.323	371.958
37.0	419.362	416.332	392.048	373.776	365.852
37.5	414.048	411.018	386.734	368.136	359.886
38.0	409.061	405.705	381.234	362.403	353.966
38.5	403.794	400.298	375.920	356.623	348.233
39.0	398.527	395.031	370.327	351.076	343.385
39.5	393.166	389.857	364.920	346.322	338.118
40.0	387.899	384.776	359.420	340.915	332.432
40.5	382.492	379.416	354.013	335.741	326.838
41.0	377.318	374.149	349.119	330.148	321.478
41.5	372.098	369.022	344.691	324.648	316.258
42.0	366.738	363.708	339.423	319.381	311.177
42.5	361.424	358.534	334.483	314.253	306.283
43.0	356.250	353.360	329.262	309.266	301.482
43.5	351.309	348.653	324.182	304.418	296.821
44.0	346.555	344.411	319.194	299.711	292.253
44.5	342.919	339.330	314.253	295.096	287.778
45.0	337.792	334.343	309.406	290.575	283.257
45.5	332.758	329.402	304.651	286.100	278.829
46.0	327.817	324.321	299.990	281.719	274.401
46.5	322.830	319.241	295.329	277.291	270.019
47.0	317.936	314.207	290.761	272.909	265.591
47.5	312.948	309.173	286.147	268.528	261.210
48.0	308.054	304.232	281.579	264.100	256.828
48.5	303.160	299.291	276.964	259.718	252.493
49.0	298.266	294.397	272.396	255.243	248.205
49.5	293.418	289.503	267.782	250.909	243.917
50.0	288.617	284.655	263.214	246.574	239.675
50.5	283.770	279.808	258.599	242.239	235.527
51.0	278.922	275.007	253.985	237.951	231.378
51.5	274.121	270.206	249.417	233.662	227.230
52.0	269.273	265.405	244.942	229.421	223.082
52.5	264.426	260.697	240.468	225.226	218.980
53.0	259.578	255.943	236.086	221.031	214.925
53.5	254.777	251.235	231.751	216.836	210.730
54.0	250.023	246.620	227.463	212.734	206.628
54.5	245.269	241.959	223.222	208.539	202.526

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CANDELA TABULATION - (Cont.)

55.0	240.561	237.391	218.980	204.391	198.424
55.5	235.853	232.870	214.785	200.335	194.369
56.0	231.192	228.349	210.590	196.234	190.267
56.5	226.578	223.921	206.395	192.272	186.305
57.0	222.010	219.446	202.200	188.263	182.390
57.5	217.488	214.971	198.005	184.348	178.568
58.0	213.060	210.497	193.856	180.432	174.746
58.5	208.632	206.069	189.708	176.610	171.063
59.0	204.391	201.734	185.653	172.788	167.335
59.5	200.196	197.445	181.551	169.013	163.699
60.0	196.001	193.157	177.542	165.284	160.110
60.5	191.852	188.916	173.580	161.601	156.521
61.0	187.657	184.674	169.665	157.966	152.978
61.5	183.462	180.526	165.750	154.377	149.482
62.0	179.220	176.377	161.881	150.788	146.080
62.5	175.025	172.275	158.059	147.245	142.677
63.0	170.877	168.220	154.330	143.796	139.321
63.5	166.775	164.165	150.554	140.347	135.965
64.0	162.673	160.063	146.826	136.897	132.656
64.5	158.572	156.008	143.143	133.495	129.346
65.0	154.563	151.999	139.461	130.139	126.130
65.5	150.508	147.991	135.825	126.783	122.914
66.0	146.499	144.029	132.236	123.473	119.698
66.5	142.444	140.067	128.601	120.117	116.482
67.0	138.389	136.198	125.012	116.715	113.219
67.5	134.380	132.283	121.469	113.405	110.003
68.0	130.418	128.368	117.927	110.096	106.833
68.5	126.456	124.499	114.338	106.833	103.664
69.0	122.541	120.583	110.842	103.570	100.494
69.5	118.626	116.761	107.299	100.308	97.418
70.0	114.664	112.939	103.850	97.091	94.295
70.5	110.748	109.164	100.401	93.922	91.265
71.0	106.880	105.342	96.952	90.799	88.282
71.5	103.011	101.566	93.595	87.676	85.392
72.0	99.235	97.791	90.379	84.646	82.549
72.5	95.460	94.108	87.117	81.710	79.705
73.0	91.731	90.473	83.854	78.773	76.909
73.5	88.002	86.883	80.638	75.883	74.159
74.0	84.366	83.294	77.468	73.040	71.409
74.5	80.731	79.799	74.392	70.243	68.705
75.0	77.142	76.349	71.315	67.493	66.002
75.5	73.646	72.900	68.286	64.790	63.391
76.0	70.150	69.544	65.302	62.133	60.828
76.5	66.747	66.235	62.366	59.476	58.311
77.0	63.391	62.972	59.476	56.866	55.747
77.5	60.035	59.756	56.633	54.349	53.277
78.0	56.773	56.586	53.883	51.785	50.760
78.5	53.556	53.510	51.133	49.315	48.336
79.0	50.433	50.480	48.522	46.844	46.005
79.5	47.357	47.497	45.912	44.467	43.675
80.0	44.327	44.607	43.395	42.090	41.391
80.5	41.344	41.810	40.878	39.759	39.153
81.0	38.501	39.060	38.408	37.522	36.963
81.5	35.751	36.403	35.984	35.285	34.819
82.0	33.001	33.793	33.607	33.047	32.675
82.5	30.344	31.183	31.323	30.903	30.624

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CANDELA TABULATION - (Cont.)

83.0	27.780	28.713	28.992	28.806	28.526
83.5	25.263	26.289	26.755	26.708	26.522
84.0	22.840	24.005	24.611	24.657	24.564
84.5	20.509	21.767	22.467	22.653	22.560
85.0	18.272	19.577	20.369	20.695	20.602
85.5	16.128	17.479	18.365	18.784	18.738
86.0	14.030	15.382	16.407	16.873	16.873
86.5	12.026	13.424	14.496	15.055	15.055
87.0	10.068	11.466	12.632	13.284	13.284
87.5	8.157	9.602	10.767	11.513	11.513
88.0	6.293	7.784	8.996	9.788	9.835
88.5	4.428	6.013	7.225	8.204	8.250
89.0	2.564	4.055	5.360	6.339	6.106
89.5	1.259	2.424	3.403	4.009	3.776
90.0	1.119	1.771	2.191	2.331	1.911
90.5	1.259	2.610	3.542	3.776	3.729
91.0	2.564	3.216	4.102	4.894	4.941
91.5	4.475	4.288	4.708	5.267	5.314
92.0	6.665	5.780	5.593	6.013	6.013
92.5	8.903	7.411	6.526	6.852	6.852
93.0	11.140	9.229	7.598	7.737	7.691
93.5	13.424	11.047	8.949	8.670	8.623
94.0	15.708	12.865	10.488	9.649	9.555
94.5	17.992	14.776	12.166	10.721	10.534
95.0	20.276	16.780	13.983	11.979	11.560
95.5	22.513	18.878	15.848	13.377	12.771
96.0	24.797	21.068	17.666	14.916	14.123
96.5	27.035	23.306	19.437	16.594	15.568
97.0	29.319	25.590	21.115	18.365	17.246
97.5	31.602	27.827	22.793	20.183	18.971
98.0	33.886	30.111	24.518	21.954	20.742
98.5	36.170	32.348	26.196	23.679	22.513
99.0	38.454	34.632	27.874	25.357	24.238
99.5	40.738	36.916	29.645	27.035	25.962
100.0	43.022	39.200	31.416	28.666	27.594
100.5	45.353	41.531	33.234	30.344	29.272
101.0	47.637	43.861	35.098	32.022	30.950
101.5	50.014	46.192	36.963	33.747	32.628
102.0	52.391	48.569	38.967	35.425	34.353
102.5	54.862	50.993	40.971	37.149	36.077
103.0	57.332	53.463	42.976	38.920	37.755
103.5	59.896	55.980	45.073	40.738	39.526
104.0	62.506	58.544	47.264	42.556	41.344
104.5	65.069	61.154	49.455	44.467	43.209
105.0	67.680	63.811	51.739	46.378	45.120
105.5	70.336	66.514	54.069	48.336	47.031
106.0	73.087	69.264	56.493	50.340	49.035
106.5	75.930	72.108	59.010	52.438	51.039
107.0	78.866	75.044	61.620	54.535	53.137
107.5	81.849	78.027	64.324	56.726	55.234
108.0	84.972	81.104	67.074	59.010	57.425
108.5	88.189	84.273	69.964	61.387	59.662
109.0	91.498	87.536	72.900	63.811	61.993
109.5	94.854	90.845	75.976	66.328	64.417
110.0	98.396	94.295	79.146	68.938	66.887
110.5	101.986	97.884	82.455	71.688	69.451

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CANDELA TABULATION - (Cont.)

111.0	105.761	101.519	85.905	74.531	72.108
111.5	109.583	105.295	89.494	77.561	74.904
112.0	113.638	109.257	93.223	80.684	77.887
112.5	117.787	113.312	97.091	83.994	80.917
113.0	122.075	117.554	101.147	87.396	84.133
113.5	126.503	121.889	105.342	90.939	87.396
114.0	131.118	126.363	109.676	94.668	90.939
114.5	135.825	130.978	114.198	98.583	94.574
115.0	140.720	135.779	118.859	102.638	98.443
115.5	145.754	140.720	123.753	106.880	102.405
116.0	150.881	145.800	128.787	111.354	106.600
116.5	156.194	151.067	134.007	116.062	110.935
117.0	161.741	156.381	139.414	120.910	115.549
117.5	167.428	161.928	144.961	125.990	120.350
118.0	173.301	167.568	150.694	131.257	125.291
118.5	179.314	173.441	156.614	136.664	130.418
119.0	185.466	179.454	162.627	142.258	135.779
119.5	191.712	185.606	168.873	148.131	141.325
120.0	198.005	191.945	175.305	154.144	147.059
120.5	204.484	198.424	181.877	160.389	152.978
121.0	211.103	205.090	188.636	166.868	159.131
121.5	217.908	211.895	195.534	173.580	165.563
122.0	224.853	218.887	202.619	180.432	172.182
122.5	231.984	225.925	209.844	187.564	179.081
123.0	239.256	233.103	217.162	194.835	186.119
123.5	246.620	240.374	224.620	202.246	193.344
124.0	254.032	247.786	232.171	209.844	200.755
124.5	261.583	255.197	239.815	217.675	208.399
125.0	269.134	262.748	247.599	225.645	216.323
125.5	276.638	270.346	255.430	233.802	224.340
126.0	284.096	277.990	263.307	242.052	232.451
126.5	291.600	285.634	271.185	250.443	240.747
127.0	299.245	293.372	279.202	258.926	249.277
127.5	306.935	301.109	287.172	267.502	257.854
128.0	314.580	308.940	295.143	276.079	266.523
128.5	322.177	316.677	303.067	284.655	275.193
129.0	329.589	324.368	310.897	293.278	283.909
129.5	337.093	332.012	318.728	301.855	292.766
130.0	343.619	339.377	326.466	310.478	301.715
130.5	349.771	345.716	334.110	319.008	310.571
131.0	356.856	352.801	340.915	327.444	319.474
131.5	363.988	359.793	347.953	335.415	328.330
132.0	370.979	366.971	354.432	343.199	336.207
132.5	377.971	374.009	361.657	351.123	344.877
133.0	384.870	380.861	368.835	358.068	353.407
133.5	391.535	387.806	375.874	365.666	360.725
134.0	398.014	394.425	382.865	373.170	368.975
134.5	404.446	401.044	389.624	380.535	376.992
135.0	410.459	407.336	396.382	387.759	384.730
135.5	416.565	413.582	403.001	394.704	392.141
136.0	422.485	419.688	409.434	401.650	399.459
136.5	428.032	425.701	415.773	408.268	406.637
137.0	433.532	431.388	422.159	414.980	413.535
137.5	438.892	437.167	427.938	421.413	420.294
138.0	444.252	442.668	433.951	427.659	426.726
138.5	449.519	448.168	439.591	433.672	432.833

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139.0	454.320	453.481	445.045	439.638	439.032
139.5	459.168	458.702	450.498	445.278	444.812
140.0	463.969	463.503	455.625	451.058	450.545
140.5	468.444	468.444	460.706	456.418	455.952
141.0	473.105	473.105	465.880	461.732	461.219
141.5	477.300	477.766	470.774	467.045	466.579
142.0	481.495	482.427	475.901	471.706	471.706
142.5	485.690	486.622	480.096	476.834	476.367
143.0	489.885	490.817	484.758	481.495	481.495
143.5	493.614	495.012	489.419	486.156	486.156
144.0	497.343	498.741	493.614	490.817	490.817
144.5	501.071	502.936	497.343	495.478	495.478
145.0	504.800	506.665	501.538	499.673	500.139
145.5	508.529	510.394	505.266	503.868	504.800
146.0	511.792	514.123	508.995	508.063	508.995
146.5	515.521	517.385	512.724	512.258	513.657
147.0	518.784	520.648	516.453	515.987	517.385
147.5	521.580	524.377	519.716	519.716	521.580
148.0	525.309	527.640	523.445	523.445	525.309
148.5	528.572	530.903	526.708	526.708	529.038
149.0	531.835	534.165	529.970	529.970	532.301
149.5	534.632	537.428	533.233	533.233	535.564
150.0	537.894	540.225	536.496	536.030	538.361
150.5	540.691	543.488	539.759	538.827	541.157
151.0	543.488	546.284	543.022	542.089	543.954
151.5	546.751	549.547	545.818	544.886	546.284
152.0	549.547	552.344	549.081	547.683	548.615
152.5	552.344	555.141	552.344	550.479	551.412
153.0	555.141	557.937	555.141	553.276	553.742
153.5	557.937	560.268	557.937	556.073	556.073
154.0	560.268	563.065	560.734	558.869	558.403
154.5	563.065	565.861	563.531	561.666	561.200
155.0	565.395	568.192	566.327	564.463	563.531
155.5	567.726	570.522	569.124	567.260	566.327
156.0	570.056	572.853	571.455	570.056	569.124
156.5	572.387	575.183	574.251	572.853	571.921
157.0	574.251	577.514	576.582	575.650	574.251
157.5	576.582	579.845	578.912	578.446	577.048
158.0	578.912	582.175	581.243	580.777	579.845
158.5	581.243	584.040	583.573	583.573	582.175
159.0	583.107	586.370	585.438	585.904	584.506
159.5	584.972	588.235	587.768	588.701	587.302
160.0	586.836	590.099	590.099	591.031	589.633
160.5	588.701	591.964	591.964	592.896	591.964
161.0	590.565	593.828	593.828	595.226	594.294
161.5	592.430	595.692	595.692	597.091	596.159
162.0	594.294	597.557	597.557	598.955	598.489
162.5	596.159	599.421	599.421	600.820	600.354
163.0	598.023	600.820	601.286	602.684	602.218
163.5	599.887	602.684	602.684	604.082	603.616
164.0	601.752	604.549	604.549	605.481	605.481
164.5	603.150	606.413	605.947	606.879	606.879
165.0	605.015	607.811	607.345	608.277	608.277
165.5	606.413	609.210	608.277	609.676	609.676
166.0	608.277	611.074	609.676	610.608	611.074
166.5	609.676	612.472	610.608	612.006	612.006

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	611.074	613.871	612.006	613.405	613.871
167.5	612.472	615.269	612.939	614.337	614.803
168.0	613.871	616.201	614.337	615.735	615.735
168.5	615.269	617.600	615.269	616.668	617.134
169.0	616.201	618.532	616.201	618.066	618.532
169.5	617.600	619.930	617.134	618.998	619.464
170.0	618.532	620.863	618.066	619.930	620.863
170.5	619.930	621.795	618.998	620.863	621.795
171.0	620.863	622.727	619.464	621.795	622.727
171.5	621.329	623.193	620.396	622.727	624.125
172.0	622.727	624.125	621.329	623.659	625.058
172.5	623.193	625.058	621.795	624.591	625.990
173.0	624.125	625.524	622.727	625.058	626.922
173.5	625.058	626.456	623.193	625.524	627.854
174.0	625.524	626.922	623.659	626.456	628.320
174.5	626.456	627.388	624.591	626.922	628.786
175.0	626.922	627.854	625.058	627.388	629.253
175.5	627.388	628.320	625.058	627.854	629.719
176.0	628.320	628.786	625.990	628.320	630.185
176.5	628.786	629.253	625.990	628.320	630.185
177.0	628.786	629.253	626.456	628.786	630.185
177.5	629.253	629.719	626.922	628.786	630.185
178.0	629.719	630.185	626.922	628.786	630.651
178.5	630.185	630.185	627.388	629.253	630.185
179.0	630.185	630.185	627.388	629.253	630.185
179.5	630.185	630.185	627.854	629.253	630.185
180.0	629.253	629.253	629.253	629.253	629.253

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	223.06	N.A.	7.60
0-30	458.27	N.A.	15.70
0-40	717.42	N.A.	24.60
0-60	1154.84	N.A.	39.60
0-80	1370.5	N.A.	47.00
0-90	1393.22	N.A.	47.70
10-90	1334.4	N.A.	45.70
20-40	494.36	N.A.	16.90
20-50	734.69	N.A.	25.20
40-70	576.72	N.A.	19.80
60-80	215.66	N.A.	7.40
70-80	76.36	N.A.	2.60
80-90	22.72	N.A.	0.80
90-110	75.78	N.A.	2.60
90-120	196.24	N.A.	6.70
90-130	415.74	N.A.	14.20
90-150	1033.75	N.A.	35.40
90-180	1525.72	N.A.	52.30
110-180	1449.94	N.A.	49.70
0-180	2918.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.81
10-20	164.25
20-30	235.21
30-40	259.15
40-50	240.33
50-60	197.09
60-70	139.29
70-80	76.36
80-90	22.72
90-100	17.23
100-110	58.55
110-120	120.46
120-130	219.51
130-140	304.42
140-150	313.58
150-160	260.87
160-170	171.48
170-180	59.62

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-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	50	50	50	50	46	46	46	46	38	38	38	31	31	31	25	25	25	22
1	45	43	42	40	42	40	39	37	34	33	32	28	27	26	22	22	21	19
2	41	38	35	33	38	35	33	31	30	28	26	25	23	22	20	19	18	16
3	38	34	30	28	35	31	28	26	26	24	22	22	20	19	18	17	16	14
4	35	30	26	23	32	28	24	22	23	21	19	20	18	16	16	15	14	12
5	32	27	23	20	29	25	21	19	21	19	17	18	16	14	14	13	12	10
6	29	24	20	18	27	22	19	17	19	16	15	16	14	13	13	12	11	9
7	27	22	18	15	25	20	17	15	17	15	13	15	13	11	12	11	10	8
8	25	20	16	14	23	18	15	13	16	13	11	13	11	10	11	10	9	7
9	24	18	15	12	22	17	14	12	15	12	10	12	10	9	10	9	8	7
10	22	17	13	11	20	15	12	10	13	11	9	11	10	8	10	8	7	6

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2WUD-4-00-L4-835U-L4-835D-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

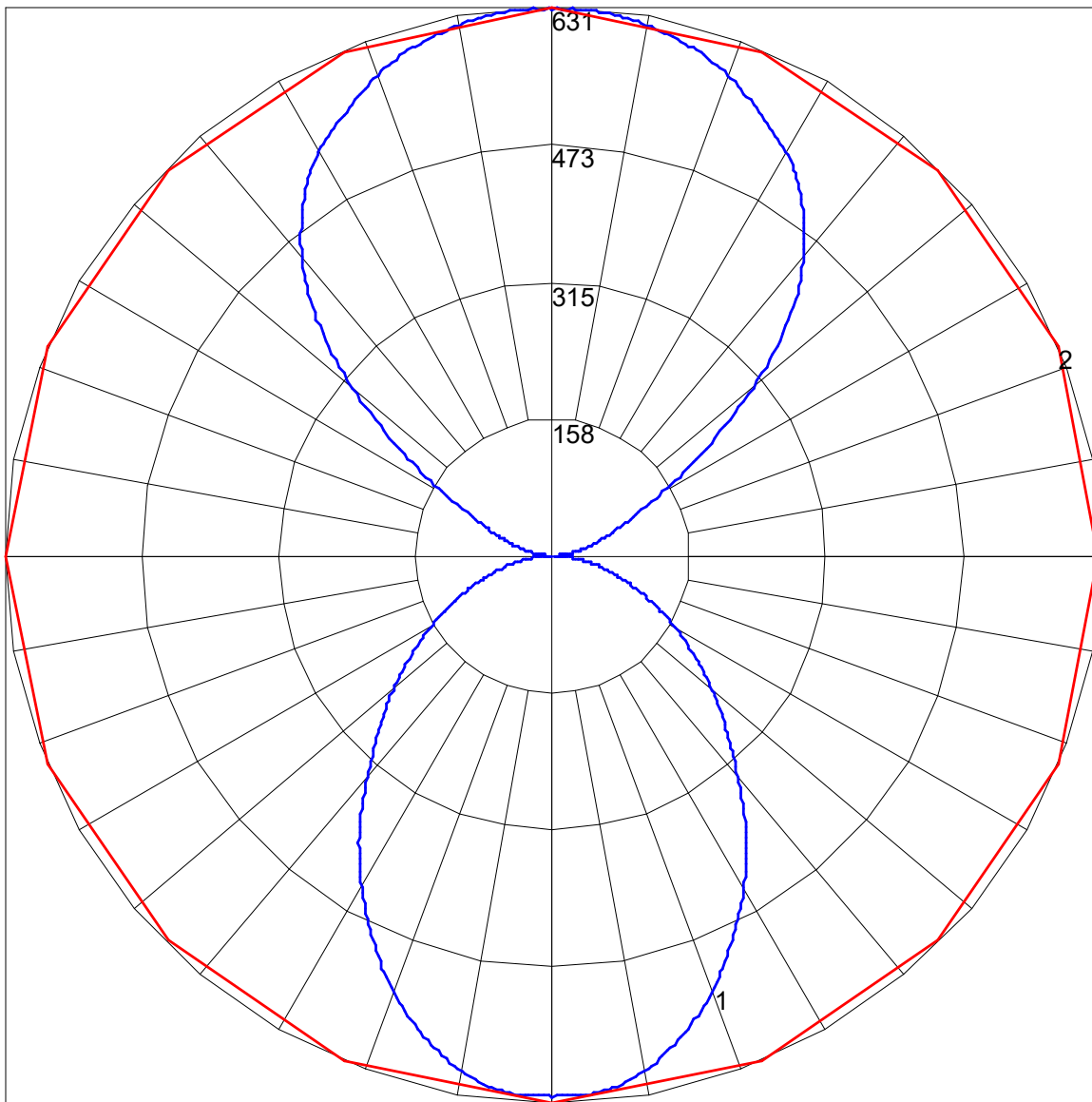
X=2H	Y=2H	12.3	13.1	13.3	14.1	15.4	13.4	14.2	14.4	15.2	16.5
	3H	13.4	14.1	14.4	15.1	16.4	14.9	15.6	15.9	16.6	18.0
	4H	13.7	14.4	14.7	15.4	16.7	15.4	16.1	16.4	17.1	18.4
	6H	13.8	14.4	14.8	15.4	16.8	15.8	16.4	16.8	17.4	18.8
	8H	13.8	14.4	14.8	15.4	16.8	15.9	16.5	16.9	17.5	18.9
	12H	13.8	14.4	14.8	15.4	16.7	16.0	16.6	17.0	17.6	18.9

UGR Viewed Endwise

4H	2H	12.6	13.4	13.7	14.4	15.7	13.6	14.3	14.6	15.3	16.6
	3H	13.9	14.5	14.9	15.5	16.9	15.2	15.8	16.2	16.8	18.2
	4H	14.3	14.8	15.3	15.8	17.2	15.8	16.3	16.8	17.4	18.7
	6H	14.5	14.9	15.5	16.0	17.4	16.3	16.7	17.3	17.8	19.1
	8H	14.5	14.9	15.5	16.0	17.4	16.4	16.8	17.4	17.9	19.2
	12H	14.5	14.9	15.5	15.9	17.3	16.5	16.9	17.6	17.9	19.3
8H	4H	14.4	14.8	15.4	15.9	17.2	15.8	16.2	16.8	17.3	18.7
	6H	14.7	15.0	15.7	16.1	17.5	16.3	16.7	17.4	17.8	19.1
	8H	14.7	15.0	15.8	16.1	17.5	16.5	16.8	17.6	17.9	19.3
	12H	14.7	15.0	15.8	16.1	17.5	16.6	16.9	17.7	18.0	19.4
12H	4H	14.4	14.8	15.4	15.8	17.2	15.8	16.2	16.8	17.2	18.6
	6H	14.7	15.0	15.7	16.0	17.4	16.3	16.6	17.4	17.7	19.1
	8H	14.7	15.0	15.8	16.1	17.5	16.5	16.8	17.6	17.8	19.3

Maximum UGR = 19.4

POLAR GRAPH



Maximum Candela = 630.651 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.)