



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 13012869.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 04-14-2020
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2UD-6'00-L4/940U/L4/940D-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, 0.426041 A, 50.7654 W, 0.992725 PF, 60 Hz
 [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	4090
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	6806	2687	2012
55	5844	1870	1352
65	4915	1208	851
75	3713	647	454
85	1929	200	149

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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	873.256	873.256	873.256	873.256	873.256
0.5	870.644	878.481	871.297	871.950	871.950
1.0	870.644	877.828	871.297	871.950	871.950
1.5	870.644	877.828	871.297	871.950	872.603
2.0	869.991	877.828	870.644	871.950	872.603
2.5	869.991	877.175	870.644	872.603	872.603
3.0	869.337	876.522	869.991	871.950	871.950
3.5	868.684	875.869	869.337	871.950	871.950
4.0	867.378	875.216	868.684	871.297	871.297
4.5	866.725	874.563	868.031	870.644	870.644
5.0	866.072	873.256	866.725	869.991	869.337
5.5	864.765	872.603	866.072	868.684	868.031
6.0	863.459	871.297	864.765	867.378	866.725
6.5	862.153	869.991	863.459	865.418	865.418
7.0	860.846	868.684	862.153	863.459	863.459
7.5	858.887	867.378	860.193	861.500	860.846
8.0	857.581	865.418	858.887	858.887	858.234
8.5	855.621	863.459	856.928	856.274	855.621
9.0	853.662	862.153	854.968	853.662	853.009
9.5	851.702	860.193	853.009	851.049	849.743
10.0	849.743	858.234	850.396	847.784	845.824
10.5	847.784	856.274	848.437	845.171	841.905
11.0	845.824	853.662	845.171	841.905	838.640
11.5	843.212	851.049	842.558	837.986	834.721
12.0	840.599	849.090	839.293	834.721	830.149
12.5	837.986	846.477	836.027	830.802	826.230
13.0	835.374	843.865	832.761	826.883	821.658
13.5	832.761	840.599	829.495	822.964	817.086
14.0	829.495	837.986	825.577	819.045	813.167
14.5	826.883	834.721	821.658	814.473	808.595
15.0	823.617	831.455	817.739	809.901	803.370
15.5	819.698	828.189	813.820	805.329	798.798
16.0	816.433	824.923	809.901	800.757	793.572
16.5	813.167	821.005	805.329	795.532	788.347
17.0	809.901	817.086	800.757	790.960	783.775
17.5	805.982	813.820	796.185	785.735	778.550
18.0	802.063	809.248	791.613	780.510	773.325
18.5	798.798	805.329	787.041	775.937	768.100
19.0	794.879	801.410	781.816	770.059	762.221
19.5	790.960	796.838	776.591	764.834	756.996
20.0	786.388	792.266	771.365	759.609	751.118
20.5	782.469	788.347	766.140	753.731	744.586
21.0	778.550	783.122	760.915	747.199	739.361
21.5	773.978	778.550	755.690	741.321	732.177
22.0	769.406	773.978	750.465	735.442	726.298
22.5	764.834	768.753	744.586	728.911	720.420
23.0	760.262	764.181	739.361	722.380	713.235
23.5	755.690	758.956	733.483	715.848	706.704
24.0	750.465	753.731	727.605	709.317	699.519
24.5	745.893	748.505	722.380	702.785	692.988
25.0	740.014	743.280	715.848	695.601	685.803
25.5	734.789	738.055	709.970	689.069	679.272
26.0	729.564	732.177	704.091	682.538	672.740
26.5	723.686	726.298	697.560	676.006	665.556

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

27.0	718.461	720.420	691.682	668.822	658.371
27.5	712.582	714.542	685.150	662.290	651.709
28.0	706.051	708.663	679.272	655.105	644.786
28.5	700.173	702.785	672.087	648.509	638.124
29.0	693.641	696.254	665.556	641.716	631.527
29.5	687.763	690.375	659.024	634.923	624.473
30.0	681.231	683.844	652.101	628.326	617.354
30.5	675.353	676.659	645.243	621.403	610.822
31.0	668.822	670.781	638.254	614.414	603.442
31.5	661.637	663.596	631.070	607.360	596.388
32.0	655.759	656.412	623.950	600.111	589.268
32.5	648.639	649.554	616.700	592.469	582.214
33.0	642.304	642.238	609.255	585.088	574.573
33.5	635.446	635.315	601.939	577.708	567.127
34.0	628.522	628.000	594.494	570.196	560.138
34.5	621.795	620.489	586.982	562.489	552.757
35.0	615.068	613.173	579.667	554.782	544.854
35.5	608.340	605.466	572.221	547.010	536.821
36.0	601.547	598.216	564.449	539.433	529.114
36.5	594.624	590.705	557.003	531.530	521.211
37.0	587.635	583.390	549.361	523.758	512.654
37.5	580.190	575.944	541.915	515.855	504.294
38.0	573.201	568.498	534.208	507.821	495.999
38.5	565.820	560.922	526.762	499.722	487.965
39.0	558.440	553.541	518.925	491.950	481.173
39.5	550.929	546.291	511.348	485.287	473.792
40.0	543.548	539.172	503.641	477.711	465.824
40.5	535.972	531.661	496.064	470.461	457.986
41.0	528.722	524.280	489.206	462.623	450.475
41.5	521.406	517.096	483.001	454.916	443.160
42.0	513.895	509.650	475.621	447.536	436.040
42.5	506.449	502.400	468.698	440.351	429.182
43.0	499.200	495.150	461.382	433.362	422.455
43.5	492.276	488.553	454.263	426.570	415.923
44.0	485.614	482.610	447.274	419.973	409.523
44.5	480.520	475.490	440.351	413.507	403.252
45.0	473.335	468.502	433.558	407.171	396.917
45.5	466.281	461.578	426.896	400.901	390.712
46.0	459.358	454.459	420.365	394.761	384.507
46.5	452.369	447.340	413.833	388.557	378.367
47.0	445.511	440.286	407.432	382.417	372.163
47.5	438.522	433.232	400.966	376.277	366.023
48.0	431.664	426.308	394.566	370.073	359.883
48.5	424.806	419.385	388.099	363.933	353.809
49.0	417.948	412.527	381.699	357.663	347.800
49.5	411.155	405.669	375.232	351.589	341.791
50.0	404.428	398.876	368.832	345.514	335.848
50.5	397.635	392.084	362.365	339.440	330.035
51.0	390.843	385.356	355.899	333.431	324.222
51.5	384.115	378.629	349.498	327.422	318.409
52.0	377.322	371.901	343.228	321.478	312.596
52.5	370.530	365.305	336.958	315.600	306.848
53.0	363.737	358.642	330.818	309.722	301.166
53.5	357.010	352.046	324.744	303.844	295.287
54.0	350.348	345.580	318.735	298.096	289.540
54.5	343.685	339.048	312.792	292.218	283.792

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55.0	337.089	332.647	306.848	286.405	278.044
55.5	330.492	326.312	300.970	280.722	272.362
56.0	323.960	319.976	295.091	274.974	266.614
56.5	317.494	313.771	289.213	269.423	261.062
57.0	311.093	307.501	283.335	263.806	255.576
57.5	304.758	301.231	277.456	258.319	250.220
58.0	298.553	294.961	271.643	252.833	244.864
58.5	292.348	288.756	265.830	247.477	239.705
59.0	286.405	282.682	260.148	242.121	234.479
59.5	280.526	276.673	254.400	236.831	229.385
60.0	274.648	270.664	248.783	231.606	224.356
60.5	268.835	264.720	243.232	226.446	219.326
61.0	262.957	258.776	237.745	221.351	214.363
61.5	257.078	252.963	232.259	216.322	209.464
62.0	251.135	247.150	226.838	211.293	204.696
62.5	245.256	241.403	221.482	206.329	199.928
63.0	239.443	235.720	216.257	201.496	195.225
63.5	233.696	230.038	210.966	196.662	190.523
64.0	227.948	224.290	205.741	191.829	185.885
64.5	222.200	218.608	200.581	187.061	181.248
65.0	216.583	212.991	195.421	182.358	176.741
65.5	210.901	207.374	190.327	177.656	172.235
66.0	205.284	201.822	185.298	173.018	167.728
66.5	199.601	196.270	180.203	168.316	163.221
67.0	193.919	190.849	175.174	163.548	158.649
67.5	188.302	185.363	170.210	158.910	154.142
68.0	182.750	179.876	165.246	154.273	149.701
68.5	177.199	174.455	160.217	149.701	145.260
69.0	171.712	168.969	155.318	145.129	140.818
69.5	166.226	163.613	150.354	140.557	136.508
70.0	160.674	158.257	145.521	136.050	132.131
70.5	155.187	152.967	140.688	131.609	127.886
71.0	149.766	147.611	135.854	127.233	123.706
71.5	144.345	142.321	131.152	122.857	119.656
72.0	139.055	137.030	126.645	118.611	115.672
72.5	133.764	131.870	122.073	114.496	111.688
73.0	128.539	126.776	117.501	110.382	107.769
73.5	123.314	121.746	112.994	106.332	103.916
74.0	118.219	116.717	108.553	102.348	100.062
74.5	113.125	111.819	104.242	98.429	96.274
75.0	108.096	106.985	99.931	94.576	92.485
75.5	103.197	102.152	95.686	90.787	88.828
76.0	98.298	97.449	91.506	87.064	85.236
76.5	93.531	92.812	87.391	83.341	81.709
77.0	88.828	88.240	83.341	79.684	78.116
77.5	84.125	83.733	79.357	76.157	74.655
78.0	79.553	79.292	75.504	72.565	71.128
78.5	75.046	74.981	71.650	69.103	67.731
79.0	70.670	70.736	67.993	65.641	64.466
79.5	66.360	66.556	64.335	62.310	61.200
80.0	62.114	62.506	60.808	58.979	57.999
80.5	57.934	58.587	57.281	55.713	54.864
81.0	53.950	54.734	53.819	52.578	51.794
81.5	50.096	51.011	50.423	49.443	48.790
82.0	46.243	47.353	47.092	46.308	45.786
82.5	42.520	43.695	43.891	43.304	42.912

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

83.0	38.928	40.234	40.626	40.364	39.973
83.5	35.401	36.837	37.491	37.425	37.164
84.0	32.004	33.637	34.486	34.551	34.421
84.5	28.738	30.502	31.482	31.743	31.612
85.0	25.603	27.432	28.542	29.000	28.869
85.5	22.599	24.493	25.734	26.322	26.256
86.0	19.660	21.554	22.991	23.644	23.644
86.5	16.851	18.811	20.313	21.097	21.097
87.0	14.108	16.067	17.700	18.615	18.615
87.5	11.430	13.455	15.088	16.133	16.133
88.0	8.817	10.908	12.606	13.716	13.781
88.5	6.205	8.426	10.124	11.495	11.561
89.0	3.592	5.682	7.511	8.883	8.556
89.5	1.763	3.396	4.768	5.617	5.290
90.0	1.568	2.482	3.070	3.266	2.678
90.5	1.763	3.658	4.964	5.290	5.225
91.0	3.592	4.507	5.748	6.858	6.923
91.5	6.270	6.009	6.597	7.381	7.446
92.0	9.340	8.099	7.838	8.426	8.426
92.5	12.475	10.385	9.144	9.601	9.601
93.0	15.610	12.932	10.646	10.842	10.777
93.5	18.811	15.480	12.540	12.149	12.083
94.0	22.011	18.027	14.696	13.520	13.389
94.5	25.211	20.705	17.047	15.022	14.761
95.0	28.412	23.513	19.594	16.786	16.198
95.5	31.547	26.452	22.207	18.745	17.896
96.0	34.747	29.522	24.754	20.901	19.790
96.5	37.882	32.657	27.236	23.252	21.815
97.0	41.083	35.858	29.588	25.734	24.166
97.5	44.283	38.993	31.939	28.281	26.583
98.0	47.484	42.193	34.355	30.763	29.065
98.5	50.684	45.328	36.707	33.180	31.547
99.0	53.885	48.529	39.058	35.531	33.964
99.5	57.085	51.729	41.540	37.882	36.380
100.0	60.285	54.930	44.022	40.168	38.666
100.5	63.551	58.195	46.569	42.520	41.018
101.0	66.752	61.461	49.182	44.871	43.369
101.5	70.083	64.727	51.794	47.288	45.720
102.0	73.414	68.058	54.603	49.639	48.137
102.5	76.875	71.454	57.412	52.056	50.554
103.0	80.337	74.916	60.220	54.538	52.905
103.5	83.929	78.443	63.159	57.085	55.387
104.0	87.587	82.035	66.229	59.632	57.934
104.5	91.179	85.693	69.299	62.310	60.547
105.0	94.837	89.416	72.499	64.988	63.225
105.5	98.560	93.204	75.765	67.731	65.902
106.0	102.413	97.057	79.161	70.540	68.711
106.5	106.397	101.042	82.688	73.479	71.519
107.0	110.512	105.157	86.346	76.418	74.459
107.5	114.692	109.337	90.134	79.488	77.398
108.0	119.069	113.647	93.988	82.688	80.468
108.5	123.575	118.089	98.037	86.019	83.603
109.0	128.213	122.661	102.152	89.416	86.868
109.5	132.915	127.298	106.463	92.943	90.265
110.0	137.879	132.131	110.904	96.600	93.726
110.5	142.908	137.161	115.542	100.454	97.319

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111.0	148.199	142.255	120.375	104.438	101.042
111.5	153.555	147.546	125.404	108.683	104.961
112.0	159.237	153.097	130.629	113.060	109.141
112.5	165.050	158.780	136.050	117.697	113.386
113.0	171.059	164.723	141.733	122.465	117.893
113.5	177.264	170.798	147.611	127.429	122.465
114.0	183.730	177.068	153.685	132.654	127.429
114.5	190.327	183.534	160.021	138.140	132.523
115.0	197.185	190.261	166.552	143.823	137.944
115.5	204.239	197.185	173.410	149.766	143.496
116.0	211.423	204.304	180.464	156.037	149.374
116.5	218.869	211.685	187.779	162.633	155.449
117.0	226.642	219.130	195.356	169.426	161.915
117.5	234.610	226.903	203.128	176.545	168.642
118.0	242.840	234.806	211.162	183.926	175.566
118.5	251.265	243.036	219.457	191.502	182.750
119.0	259.887	251.461	227.883	199.340	190.261
119.5	268.639	260.083	236.635	207.570	198.034
120.0	277.456	268.966	245.648	215.995	206.068
120.5	286.535	278.044	254.858	224.748	214.363
121.0	295.810	287.384	264.328	233.826	222.984
121.5	305.346	296.920	273.995	243.232	231.997
122.0	315.078	306.717	283.923	252.833	241.272
122.5	325.071	316.580	294.046	262.826	250.939
123.0	335.260	326.638	304.301	273.015	260.801
123.5	345.580	336.827	314.751	283.400	270.925
124.0	355.965	347.212	325.332	294.046	281.310
124.5	366.546	357.597	336.044	305.019	292.022
125.0	377.127	368.178	346.951	316.188	303.125
125.5	387.642	378.825	357.924	327.618	314.359
126.0	398.093	389.536	368.962	339.179	325.724
126.5	408.608	400.248	380.000	350.935	337.350
127.0	419.320	411.090	391.234	362.823	349.302
127.5	430.097	421.932	402.403	374.841	361.320
128.0	440.808	432.905	413.572	386.858	373.469
128.5	451.455	443.747	424.676	398.876	385.617
129.0	461.840	454.524	435.648	410.959	397.831
129.5	472.355	465.236	446.621	422.977	410.241
130.0	481.499	475.556	457.463	435.061	422.781
130.5	490.121	484.438	468.175	447.013	435.191
131.0	500.049	494.366	477.711	458.835	447.666
131.5	510.042	504.163	487.574	470.004	460.076
132.0	519.839	514.222	496.652	480.911	471.114
132.5	529.636	524.084	506.776	492.015	483.263
133.0	539.303	533.686	516.834	501.747	495.215
133.5	548.643	543.417	526.697	512.393	505.470
134.0	557.721	552.692	536.494	522.909	517.030
134.5	566.735	561.967	545.965	533.228	528.265
135.0	575.160	570.784	555.435	543.352	539.107
135.5	583.717	579.536	564.710	553.084	549.492
136.0	592.012	588.093	573.723	562.816	559.746
136.5	599.784	596.518	582.606	572.091	569.805
137.0	607.491	604.487	591.554	581.496	579.471
137.5	615.002	612.586	599.653	590.509	588.942
138.0	622.513	620.293	608.079	599.261	597.955
138.5	629.894	628.000	615.982	607.687	606.511

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

139.0	636.621	635.446	623.624	616.047	615.198
139.5	643.414	642.761	631.266	623.950	623.297
140.0	650.142	649.488	638.450	632.049	631.331
140.5	656.412	656.412	645.570	639.561	638.907
141.0	662.943	662.943	652.819	647.006	646.288
141.5	668.822	669.475	659.677	654.452	653.799
142.0	674.700	676.006	666.862	660.984	660.984
142.5	680.578	681.884	672.740	668.168	667.515
143.0	686.456	687.763	679.272	674.700	674.700
143.5	691.682	693.641	685.803	681.231	681.231
144.0	696.907	698.866	691.682	687.763	687.763
144.5	702.132	704.745	696.907	694.294	694.294
145.0	707.357	709.970	702.785	700.173	700.826
145.5	712.582	715.195	708.010	706.051	707.357
146.0	717.154	720.420	713.235	711.929	713.235
146.5	722.380	724.992	718.461	717.807	719.767
147.0	726.952	729.564	723.686	723.033	724.992
147.5	730.870	734.789	728.258	728.258	730.870
148.0	736.096	739.361	733.483	733.483	736.096
148.5	740.668	743.933	738.055	738.055	741.321
149.0	745.240	748.505	742.627	742.627	745.893
149.5	749.158	753.077	747.199	747.199	750.465
150.0	753.731	756.996	751.771	751.118	754.384
150.5	757.649	761.568	756.343	755.037	758.303
151.0	761.568	765.487	760.915	759.609	762.221
151.5	766.140	770.059	764.834	763.528	765.487
152.0	770.059	773.978	769.406	767.447	768.753
152.5	773.978	777.897	773.978	771.365	772.672
153.0	777.897	781.816	777.897	775.284	775.937
153.5	781.816	785.082	781.816	779.203	779.203
154.0	785.082	789.000	785.735	783.122	782.469
154.5	789.000	792.919	789.654	787.041	786.388
155.0	792.266	796.185	793.572	790.960	789.654
155.5	795.532	799.451	797.491	794.879	793.572
156.0	798.798	802.716	800.757	798.798	797.491
156.5	802.063	805.982	804.676	802.716	801.410
157.0	804.676	809.248	807.942	806.635	804.676
157.5	807.942	812.514	811.207	810.554	808.595
158.0	811.207	815.779	814.473	813.820	812.514
158.5	814.473	818.392	817.739	817.739	815.779
159.0	817.086	821.658	820.351	821.005	819.045
159.5	819.698	824.270	823.617	824.923	822.964
160.0	822.311	826.883	826.883	828.189	826.230
160.5	824.923	829.495	829.495	830.802	829.495
161.0	827.536	832.108	832.108	834.067	832.761
161.5	830.149	834.721	834.721	836.680	835.374
162.0	832.761	837.333	837.333	839.293	838.640
162.5	835.374	839.946	839.946	841.905	841.252
163.0	837.986	841.905	842.558	844.518	843.865
163.5	840.599	844.518	844.518	846.477	845.824
164.0	843.212	847.130	847.130	848.437	848.437
164.5	845.171	849.743	849.090	850.396	850.396
165.0	847.784	851.702	851.049	852.356	852.356
165.5	849.743	853.662	852.356	854.315	854.315
166.0	852.356	856.274	854.315	855.621	856.274
166.5	854.315	858.234	855.621	857.581	857.581

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES****CANDELA TABULATION - (Cont.)**

167.0	856.274	860.193	857.581	859.540	860.193
167.5	858.234	862.153	858.887	860.846	861.500
168.0	860.193	863.459	860.846	862.806	862.806
168.5	862.153	865.418	862.153	864.112	864.765
169.0	863.459	866.725	863.459	866.072	866.725
169.5	865.418	868.684	864.765	867.378	868.031
170.0	866.725	869.991	866.072	868.684	869.991
170.5	868.684	871.297	867.378	869.991	871.297
171.0	869.991	872.603	868.031	871.297	872.603
171.5	870.644	873.256	869.337	872.603	874.563
172.0	872.603	874.563	870.644	873.909	875.869
172.5	873.256	875.869	871.297	875.216	877.175
173.0	874.563	876.522	872.603	875.869	878.481
173.5	875.869	877.828	873.256	876.522	879.788
174.0	876.522	878.481	873.909	877.828	880.441
174.5	877.828	879.135	875.216	878.481	881.094
175.0	878.481	879.788	875.869	879.135	881.747
175.5	879.135	880.441	875.869	879.788	882.400
176.0	880.441	881.094	877.175	880.441	883.053
176.5	881.094	881.747	877.175	880.441	883.053
177.0	881.094	881.747	877.828	881.094	883.053
177.5	881.747	882.400	878.481	881.094	883.053
178.0	882.400	883.053	878.481	881.094	883.707
178.5	883.053	883.053	879.135	881.747	883.053
179.0	883.053	883.053	879.135	881.747	883.053
179.5	883.053	883.053	879.788	881.747	883.053
180.0	881.747	881.747	881.747	881.747	881.747

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-F-F-DIM-UNV.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	312.57	N.A.	7.60
0-30	642.16	N.A.	15.70
0-40	1005.29	N.A.	24.60
0-60	1618.23	N.A.	39.60
0-80	1920.42	N.A.	47.00
0-90	1952.26	N.A.	47.70
10-90	1869.85	N.A.	45.70
20-40	692.72	N.A.	16.90
20-50	1029.49	N.A.	25.20
40-70	808.13	N.A.	19.80
60-80	302.19	N.A.	7.40
70-80	107.00	N.A.	2.60
80-90	31.83	N.A.	0.80
90-110	106.18	N.A.	2.60
90-120	274.98	N.A.	6.70
90-130	582.57	N.A.	14.20
90-150	1448.55	N.A.	35.40
90-180	2137.93	N.A.	52.30
110-180	2031.75	N.A.	49.70
0-180	4090.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	82.41
10-20	230.15
20-30	329.59
30-40	363.13
40-50	336.77
50-60	276.18
60-70	195.19
70-80	107.00
80-90	31.83
90-100	24.14
100-110	82.04
110-120	168.80
120-130	307.58
130-140	426.57
140-150	439.41
150-160	365.55
160-170	240.29
170-180	83.54

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2UD-6-00-L4-940U-L4-940D-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-L4-940U-L4-940D-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	9.4	10.2	10.3	11.2	12.5	UGR Viewed Endwise			
	3H	10.5	11.2	11.4	12.2	13.5	10.5	11.4	11.5	12.3
	4H	10.7	11.4	11.7	12.4	13.8	12.0	12.8	13.0	13.8
	6H	10.9	11.5	11.9	12.5	13.9	12.6	13.3	13.6	14.3
	8H	10.9	11.5	11.9	12.5	13.8	13.0	13.6	14.0	14.6
	12H	10.8	11.4	11.9	12.4	13.8	13.1	13.7	14.1	14.7

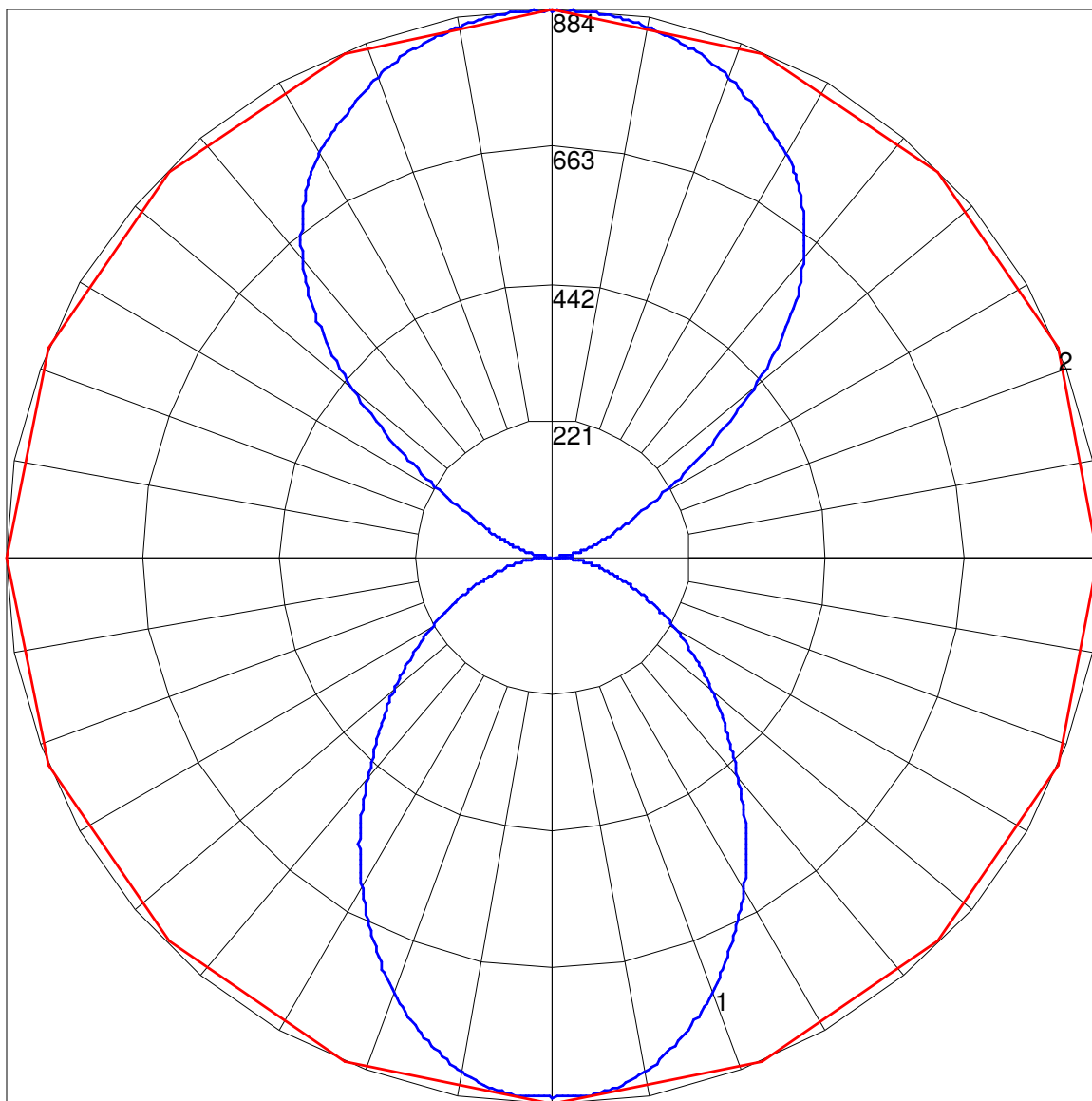
4H	2H	9.7	10.4	10.7	11.4	12.8	13.2	13.8	14.2	14.8
	3H	11.0	11.6	12.0	12.6	13.9	10.7	11.4	11.7	12.4
	4H	11.4	11.9	12.4	12.9	14.3	12.3	12.9	13.3	14.0
	6H	11.6	12.0	12.6	13.1	14.4	12.9	13.5	14.0	14.5
	8H	11.6	12.0	12.6	13.0	14.4	13.4	13.9	14.4	14.9
	12H	11.6	11.9	12.6	13.0	14.4	13.6	14.0	14.6	15.0

8H	4H	11.5	11.9	12.5	12.9	14.3	13.7	14.1	14.7	15.1
	6H	11.7	12.1	12.8	13.2	14.5	13.0	13.4	14.0	14.4
	8H	11.8	12.1	12.9	13.2	14.6	13.5	13.8	14.5	14.9
	12H	11.8	12.1	12.9	13.1	14.6	13.7	14.0	14.7	15.0

12H	4H	11.4	11.8	12.5	12.9	14.3	13.8	14.1	14.9	15.1
	6H	11.7	12.0	12.8	13.1	14.5	12.9	13.3	14.0	14.3
	8H	11.8	12.1	12.9	13.1	14.6	13.4	13.8	14.5	14.8

Maximum UGR = 16.6

POLAR GRAPH



Maximum Candela = 883.707 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.)