

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-F-F-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN from UL #15177918.03 & UL #15177918.01

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 2026-03-03

[TEST DATE] 2/19/2024

[MANUFAC] H E Williams Inc

[LUMCAT] MX4WUDC-4-00-L8-927U-L8-927D-F-F-DIM-UNV

[LUMINAIRE] White linear extruded luminaire with up and downlight

[LAMP] 144 LEDs (2 LED boards with 72 LEDs per board)

[OTHER] This test was performed using the calibrated photodetector

[MORE] method of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	54.2
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
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7233	7052	6972
55	6649	6488	6420
65	6133	5985	5920
75	5201	5198	5195
85	4062	4225	4347

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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	1049.532	1049.532	1049.532	1049.532	1049.532
0.5	1065.381	1050.413	1045.130	1047.331	1043.809
1.0	1065.381	1049.972	1045.130	1047.331	1043.809
1.5	1064.941	1049.532	1044.690	1047.331	1043.369
2.0	1064.500	1049.092	1044.249	1046.891	1043.369
2.5	1064.060	1048.652	1043.369	1046.450	1042.929
3.0	1063.180	1047.771	1042.929	1046.010	1042.048
3.5	1062.299	1046.891	1042.048	1045.130	1041.168
4.0	1061.419	1046.010	1041.168	1044.249	1040.287
4.5	1060.538	1044.690	1040.287	1043.369	1038.966
5.0	1059.658	1043.809	1038.966	1042.048	1037.646
5.5	1058.337	1042.488	1037.646	1040.727	1036.325
6.0	1057.016	1040.727	1036.325	1039.407	1034.564
6.5	1055.255	1039.407	1034.564	1037.646	1033.243
7.0	1053.935	1037.646	1033.243	1035.885	1031.482
7.5	1052.614	1035.885	1031.482	1034.124	1030.162
8.0	1050.413	1034.124	1029.281	1032.363	1028.401
8.5	1048.652	1031.923	1027.080	1030.162	1026.199
9.0	1046.450	1030.162	1025.319	1027.960	1023.998
9.5	1044.249	1027.960	1022.678	1025.319	1021.797
10.0	1042.048	1025.759	1020.476	1023.118	1019.156
10.5	1039.407	1023.118	1017.835	1020.476	1016.954
11.0	1037.205	1020.476	1015.193	1017.835	1013.873
11.5	1034.124	1017.835	1012.552	1015.193	1011.231
12.0	1031.482	1015.193	1009.911	1012.112	1008.150
12.5	1028.841	1012.112	1006.829	1009.030	1005.068
13.0	1025.759	1009.470	1003.747	1005.948	1001.986
13.5	1022.678	1005.948	1000.666	1002.426	998.905
14.0	1019.596	1002.867	997.144	999.345	995.823
14.5	1016.514	999.785	993.622	995.823	992.301
15.0	1013.432	996.263	990.100	992.301	988.779
15.5	1009.470	993.181	986.578	988.339	984.817
16.0	1005.068	989.660	982.616	984.817	981.295
16.5	1000.666	985.697	978.654	980.855	977.333
17.0	996.703	981.735	974.691	976.893	973.371
17.5	992.301	977.333	970.289	972.490	968.968
18.0	987.899	972.930	965.887	968.088	964.566
18.5	983.496	968.528	961.484	963.245	960.163
19.0	979.094	964.126	957.522	958.843	954.881
19.5	974.251	959.723	953.120	953.560	949.598
20.0	969.849	954.881	949.157	948.717	944.315
20.5	965.006	950.478	944.755	943.434	939.032
21.0	960.163	945.636	939.912	938.151	933.309
21.5	954.881	940.793	934.630	932.869	927.586
22.0	950.038	935.510	928.906	927.145	922.303
22.5	944.755	930.227	923.624	921.422	916.580
23.0	939.472	924.944	918.341	915.259	910.857
23.5	934.189	919.661	912.618	909.536	905.574
24.0	928.466	914.378	907.335	903.813	899.851
24.5	922.743	908.655	901.612	898.090	894.127
25.0	917.460	902.932	895.888	892.366	888.404
25.5	911.737	897.209	889.725	886.643	882.241
26.0	905.574	891.046	884.002	880.920	876.518
26.5	899.851	885.323	877.839	875.197	870.795

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27.0	893.687	879.159	871.675	869.474	864.631
27.5	887.524	872.996	865.952	863.751	858.908
28.0	881.360	866.392	859.348	857.588	852.745
28.5	874.757	859.789	853.185	851.864	846.582
29.0	868.153	853.625	847.022	845.701	840.418
29.5	861.990	847.022	840.858	839.097	834.695
30.0	855.386	840.418	834.695	832.934	828.532
30.5	848.783	833.815	828.091	826.771	822.368
31.0	841.739	827.651	821.488	820.167	816.205
31.5	835.135	821.048	814.884	813.564	809.601
32.0	828.091	814.004	808.281	806.520	802.998
32.5	821.048	807.400	801.677	799.916	795.954
33.0	814.004	800.797	795.073	793.312	788.910
33.5	807.400	793.753	788.030	786.269	782.306
34.0	799.916	786.709	781.426	779.225	775.263
34.5	792.872	779.665	773.942	772.181	767.779
35.0	785.828	773.061	766.898	765.137	760.294
35.5	778.344	765.577	759.854	758.093	752.810
36.0	770.860	758.534	752.810	750.609	745.767
36.5	763.816	751.490	745.767	743.565	738.723
37.0	756.332	744.006	738.282	736.081	731.239
37.5	748.848	736.522	731.239	728.597	724.195
38.0	740.924	729.037	723.755	721.113	716.711
38.5	733.440	721.553	716.270	714.069	709.227
39.0	726.396	714.069	708.786	706.585	702.183
39.5	718.472	706.585	701.743	699.101	694.258
40.0	710.988	698.661	694.258	691.617	687.215
40.5	703.063	691.177	686.774	684.133	679.731
41.0	695.579	683.252	679.290	676.209	671.806
41.5	687.655	675.768	671.366	668.725	663.882
42.0	680.171	667.844	663.882	661.240	656.398
42.5	672.687	660.360	656.398	653.316	648.914
43.0	664.762	652.876	648.914	645.832	640.989
43.5	657.278	644.952	640.989	638.348	633.505
44.0	649.354	637.027	633.065	630.424	626.021
44.5	641.430	629.103	625.141	622.499	618.097
45.0	633.505	621.619	617.657	614.575	610.613
45.5	626.021	613.695	609.732	607.091	603.129
46.0	618.097	605.770	601.808	599.167	595.645
46.5	610.173	597.846	594.324	591.683	588.161
47.0	602.248	589.922	586.400	583.758	580.236
47.5	593.884	581.997	578.475	575.834	572.752
48.0	585.959	574.073	570.551	568.350	564.828
48.5	578.035	566.149	563.067	560.426	556.904
49.0	569.671	558.224	555.143	552.501	549.420
49.5	561.746	550.300	547.218	545.017	541.935
50.0	553.382	542.376	539.294	537.093	534.011
50.5	545.017	534.451	531.370	529.168	526.527
51.0	536.653	526.527	523.445	521.244	518.603
51.5	528.728	518.603	515.521	513.760	510.678
52.0	520.804	510.678	507.597	505.836	503.194
52.5	512.439	502.754	499.672	498.352	495.270
53.0	504.515	494.830	491.748	490.427	487.346
53.5	496.150	486.905	483.824	482.503	479.421
54.0	488.226	478.981	476.340	475.019	471.497
54.5	480.302	471.497	468.415	467.095	463.573

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55.0	472.378	464.013	460.931	459.611	456.089
55.5	464.893	456.089	453.007	451.686	448.605
56.0	456.529	448.164	445.083	444.202	440.680
56.5	448.605	440.680	437.378	436.410	432.932
57.0	441.120	432.756	429.586	428.530	425.228
57.5	433.372	425.096	421.838	420.869	417.436
58.0	425.624	417.524	414.046	413.165	409.731
58.5	417.832	409.907	406.386	405.593	402.335
59.0	410.172	402.247	398.681	397.933	394.807
59.5	402.732	394.499	390.845	390.317	387.367
60.0	395.115	386.795	383.097	382.657	379.795
60.5	387.587	379.267	375.613	374.952	372.135
61.0	380.191	371.739	368.173	367.424	364.651
61.5	372.267	364.299	360.777	359.940	357.255
62.0	364.475	356.638	353.116	352.500	349.683
62.5	356.506	349.551	345.897	345.412	342.507
63.0	348.846	343.299	340.350	340.129	337.752
63.5	341.098	336.475	334.142	333.658	331.193
64.0	336.431	329.828	327.715	326.746	323.929
64.5	329.167	322.740	320.451	319.570	316.929
65.0	321.023	315.168	313.275	312.438	309.885
65.5	312.702	307.508	305.791	305.394	302.797
66.0	304.690	300.024	298.483	298.307	295.533
66.5	296.766	292.363	291.043	291.043	288.577
67.0	288.930	284.747	283.691	283.823	281.578
67.5	281.225	277.263	276.295	276.559	274.358
68.0	273.433	269.779	268.899	269.251	266.962
68.5	265.597	262.163	261.459	261.943	259.698
69.0	257.496	254.503	253.974	254.239	252.169
69.5	249.616	246.975	246.358	246.666	244.773
70.0	241.824	239.358	238.918	239.050	237.377
70.5	234.164	231.698	231.390	231.522	229.937
71.0	226.327	224.082	223.994	224.170	222.453
71.5	218.491	216.466	216.642	216.774	215.277
72.0	210.875	208.806	209.158	209.334	208.057
72.5	203.259	201.278	201.850	202.026	200.970
73.0	195.731	193.926	194.718	194.938	194.014
73.5	188.423	186.662	187.586	187.982	186.970
74.0	181.203	179.398	180.542	180.851	180.190
74.5	173.983	172.266	173.543	173.851	173.366
75.0	166.719	165.178	166.631	166.939	166.543
75.5	159.543	158.090	159.763	160.159	159.719
76.0	152.279	151.266	152.983	153.424	153.071
76.5	145.411	144.531	146.248	146.732	146.424
77.0	138.720	137.751	139.644	140.084	139.600
77.5	131.808	131.148	133.041	133.393	132.908
78.0	125.072	124.544	126.437	126.965	126.481
78.5	118.381	118.116	119.921	120.538	120.142
79.0	111.953	111.689	113.538	114.286	113.978
79.5	105.526	105.393	107.242	108.035	107.771
80.0	99.186	99.230	100.947	102.048	101.695
80.5	92.803	93.199	94.960	96.016	95.752
81.0	86.683	87.300	89.017	90.117	89.941
81.5	80.784	81.444	83.205	84.306	84.174
82.0	75.281	75.721	77.526	78.671	78.539
82.5	69.778	70.174	71.935	73.080	72.992

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83.0	64.275	64.891	66.432	67.621	67.709
83.5	58.860	59.608	61.105	62.250	62.514
84.0	53.797	54.414	55.822	56.923	57.319
84.5	48.647	49.307	50.628	51.728	52.124
85.0	43.848	44.376	45.609	46.577	46.930
85.5	39.181	39.446	40.502	41.515	41.867
86.0	34.603	34.691	35.615	36.540	36.980
86.5	30.068	30.068	30.905	31.741	32.138
87.0	25.490	25.490	26.106	27.163	27.471
87.5	20.955	20.999	21.572	22.628	23.025
88.0	16.641	16.597	17.169	18.314	18.754
88.5	12.503	12.239	12.987	14.000	14.616
89.0	8.100	7.968	8.981	9.949	10.610
89.5	3.742	4.446	5.371	6.119	6.339
90.0	0.000	0.000	0.000	0.000	0.000
90.5	2.717	1.432	1.322	1.285	1.395
91.0	5.985	3.158	2.570	2.534	2.497
91.5	9.621	6.426	3.819	3.782	3.745
92.0	13.293	10.686	5.508	4.920	4.920
92.5	17.112	15.092	8.519	6.169	6.059
93.0	21.077	19.315	12.044	8.189	7.381
93.5	25.080	23.354	15.826	11.053	9.621
94.0	29.009	27.320	20.012	14.468	12.668
94.5	33.048	31.285	24.382	17.993	15.973
95.0	37.014	35.361	28.678	21.591	19.241
95.5	40.980	39.180	32.864	25.300	22.693
96.0	44.762	43.073	36.977	29.156	26.218
96.5	48.581	46.965	41.090	33.085	29.853
97.0	52.289	50.784	45.166	37.014	33.709
97.5	56.108	54.639	49.278	41.016	37.565
98.0	59.890	58.422	53.281	44.982	41.457
98.5	63.672	62.240	57.136	49.021	45.349
99.0	67.528	66.169	61.065	52.877	49.278
99.5	71.420	70.062	65.031	56.732	53.134
100.0	75.239	73.991	68.997	60.698	56.916
100.5	79.205	77.920	72.963	64.811	60.735
101.0	83.281	81.849	77.002	68.960	64.884
101.5	87.430	85.851	81.114	73.110	69.180
102.0	91.470	90.001	85.227	77.259	73.440
102.5	95.692	94.113	89.487	81.408	77.663
103.0	100.025	98.373	93.709	85.521	81.959
103.5	104.358	102.706	98.189	89.927	86.219
104.0	108.801	107.076	102.743	94.481	90.662
104.5	113.391	111.629	107.296	99.144	95.105
105.0	118.092	116.292	111.812	103.734	99.621
105.5	122.902	121.029	116.476	108.361	104.101
106.0	127.786	125.803	121.213	113.061	108.581
106.5	132.706	130.723	126.170	117.798	113.098
107.0	137.957	135.864	131.458	122.828	118.018
107.5	143.392	141.152	136.819	128.153	123.342
108.0	148.789	146.586	142.290	133.918	128.814
108.5	154.481	152.131	147.761	139.683	134.469
109.0	160.320	157.786	153.379	145.521	140.197
109.5	166.305	163.661	159.291	151.323	145.999
110.0	172.694	169.683	165.350	157.272	152.058
110.5	179.230	175.852	171.556	163.661	158.337

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111.0	185.840	182.315	177.982	170.307	164.652
111.5	192.596	188.961	184.518	177.064	171.152
112.0	199.610	195.791	191.017	183.820	177.358
112.5	206.660	202.805	197.590	190.540	183.930
113.0	214.041	210.038	204.530	197.480	190.797
113.5	221.642	217.603	211.874	204.971	198.178
114.0	229.353	225.314	219.659	212.939	206.366
114.5	237.321	233.282	227.591	221.238	215.069
115.0	245.400	241.471	235.816	229.610	223.882
115.5	253.845	249.733	244.261	237.946	232.584
116.0	262.364	258.325	253.001	246.722	241.434
116.5	271.361	267.138	262.034	255.718	250.871
117.0	280.724	276.134	271.140	265.412	260.602
117.5	287.628	283.148	279.476	274.335	270.480
118.0	296.441	291.336	288.032	283.552	279.256
118.5	306.685	301.104	296.771	292.108	287.150
119.0	316.710	310.725	306.685	301.802	295.926
119.5	326.845	320.970	317.187	311.643	305.767
120.0	337.310	331.582	327.726	322.402	316.159
120.5	347.702	342.341	338.595	333.822	327.249
121.0	358.608	353.320	349.538	345.205	339.036
121.5	369.403	364.189	360.444	356.735	350.566
122.0	380.786	375.278	371.974	368.302	362.133
122.5	391.802	386.294	383.357	379.685	373.075
123.0	403.186	398.045	395.107	392.170	385.193
123.5	414.936	409.795	407.592	404.654	397.678
124.0	426.686	421.913	419.710	417.139	410.530
124.5	438.437	433.663	431.827	429.257	423.014
125.0	450.187	445.414	443.578	441.374	435.132
125.5	462.305	457.531	455.695	453.492	446.882
126.0	474.055	469.282	468.180	465.610	458.633
126.5	485.806	481.032	480.665	478.462	471.118
127.0	497.923	493.150	493.150	491.314	484.337
127.5	510.041	504.900	504.900	503.798	497.556
128.0	521.791	516.650	517.018	516.283	510.041
128.5	533.542	528.034	528.768	528.768	522.158
129.0	545.292	539.417	540.518	540.886	534.643
129.5	557.042	551.167	552.636	553.370	547.495
130.0	568.793	562.918	564.754	565.855	561.082
130.5	580.543	574.301	577.238	577.973	573.934
131.0	592.294	585.684	588.989	589.723	585.684
131.5	603.310	596.700	600.739	600.739	597.067
132.0	614.693	607.716	612.122	612.490	608.083
132.5	625.709	619.099	623.506	623.873	619.099
133.0	636.725	630.482	634.522	635.256	629.748
133.5	647.741	641.498	645.905	646.639	641.131
134.0	658.757	652.147	656.554	657.655	652.147
134.5	668.671	662.796	666.835	667.570	662.796
135.0	678.586	673.078	676.750	677.484	672.343
135.5	688.133	683.726	686.664	687.031	681.890
136.0	697.680	693.641	695.844	696.946	691.805
136.5	707.594	703.188	705.024	706.860	702.086
137.0	716.774	712.735	714.571	716.040	711.634
137.5	725.954	721.548	723.384	724.486	720.079
138.0	734.767	730.361	731.830	732.564	728.158
138.5	743.580	738.806	740.275	740.642	735.869

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

139.0	752.026	747.252	748.721	748.721	743.580
139.5	760.471	755.698	756.799	756.432	750.924
140.0	768.550	763.409	764.878	764.510	759.002
140.5	776.261	770.753	772.222	771.854	765.979
141.0	783.972	778.464	779.566	778.831	772.956
141.5	790.949	785.441	786.910	785.808	779.198
142.0	798.293	792.785	793.886	792.418	785.808
142.5	805.270	799.762	800.863	799.394	792.050
143.0	812.246	806.371	807.473	806.004	798.660
143.5	818.856	813.348	814.082	812.614	804.902
144.0	825.098	819.958	820.325	818.489	810.778
144.5	831.341	826.200	826.567	824.364	816.653
145.0	837.216	832.442	832.442	829.872	822.161
145.5	843.458	838.685	838.318	836.114	828.036
146.0	849.334	844.560	844.193	841.622	833.911
146.5	855.209	850.435	849.701	847.498	839.786
147.0	860.717	856.310	854.842	853.373	845.662
147.5	866.225	861.818	860.350	858.881	851.170
148.0	871.733	867.326	865.123	864.022	857.045
148.5	877.241	872.834	869.897	869.162	862.920
149.0	882.382	878.342	874.670	874.303	868.795
149.5	887.522	883.483	879.077	879.444	874.303
150.0	892.663	888.624	883.850	884.218	879.444
150.5	897.804	893.765	888.257	888.624	884.585
151.0	902.578	898.538	892.663	893.030	889.358
151.5	907.718	903.312	897.437	897.437	893.765
152.0	912.492	908.086	901.843	901.476	898.171
152.5	917.266	912.492	906.250	905.882	902.210
153.0	922.039	916.898	910.656	910.289	905.882
153.5	926.446	921.305	915.062	914.695	909.187
154.0	930.852	925.711	919.836	919.102	912.859
154.5	935.626	929.750	924.242	923.141	916.531
155.0	940.032	933.790	928.649	927.547	920.570
155.5	944.071	937.462	933.055	931.954	924.610
156.0	948.110	941.501	937.829	935.993	928.649
156.5	952.150	945.540	942.235	940.399	932.688
157.0	956.189	949.579	946.642	944.806	936.727
157.5	959.861	953.251	950.681	948.845	940.766
158.0	963.533	956.923	954.720	952.884	944.806
158.5	967.572	960.962	958.759	956.923	949.212
159.0	970.877	964.634	962.431	960.962	953.251
159.5	974.549	968.306	966.103	965.002	957.290
160.0	977.854	971.611	969.775	968.674	961.330
160.5	981.158	974.916	973.080	972.346	965.369
161.0	984.463	978.221	976.385	976.018	969.408
161.5	987.768	981.893	979.322	979.690	973.447
162.0	991.440	985.198	982.260	983.362	977.119
162.5	994.745	988.502	985.198	986.666	980.424
163.0	998.050	991.807	988.135	989.971	983.729
163.5	1001.354	994.745	991.073	993.276	986.666
164.0	1004.659	997.682	993.643	996.214	989.604
164.5	1007.230	1000.620	996.214	999.151	992.542
165.0	1010.167	1003.558	998.784	1002.089	995.112
165.5	1013.105	1006.128	1001.354	1004.659	997.682
166.0	1016.042	1008.698	1003.925	1007.230	999.886
166.5	1018.980	1011.269	1006.495	1009.433	1002.456

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-F-F-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

167.0	1021.550	1013.472	1008.698	1011.636	1004.659
167.5	1024.121	1015.675	1011.269	1013.839	1007.230
168.0	1026.691	1017.878	1013.472	1016.042	1009.433
168.5	1029.262	1020.082	1015.675	1018.246	1012.003
169.0	1031.465	1021.918	1017.878	1020.082	1014.206
169.5	1033.301	1023.754	1019.714	1021.918	1016.410
170.0	1035.137	1025.590	1021.550	1023.754	1018.980
170.5	1036.973	1027.426	1023.019	1025.590	1020.816
171.0	1038.809	1028.894	1024.488	1027.426	1022.652
171.5	1040.278	1030.363	1025.957	1029.262	1024.488
172.0	1041.746	1031.832	1027.058	1030.730	1025.957
172.5	1043.215	1033.301	1028.160	1031.832	1027.058
173.0	1044.684	1034.770	1029.262	1033.301	1027.793
173.5	1045.786	1035.871	1030.363	1034.035	1028.527
174.0	1046.887	1036.973	1031.465	1034.770	1028.894
174.5	1047.622	1037.707	1032.199	1035.504	1029.262
175.0	1048.356	1038.809	1032.934	1035.871	1029.262
175.5	1049.090	1039.543	1034.035	1036.238	1029.629
176.0	1049.825	1040.278	1034.770	1036.238	1029.629
176.5	1050.192	1041.012	1035.137	1036.606	1029.629
177.0	1050.559	1041.746	1035.871	1036.606	1029.262
177.5	1051.294	1042.481	1036.606	1036.606	1029.262
178.0	1051.661	1042.481	1036.973	1036.606	1029.629
178.5	1051.661	1042.848	1037.340	1036.606	1029.629
179.0	1052.028	1043.215	1037.340	1036.606	1029.629
179.5	1052.395	1043.215	1037.707	1036.606	1029.629
180.0	1039.543	1039.543	1039.543	1039.543	1039.543

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-F-F-DIM-UNV_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	379.31	N.A.	7.10
0-30	793.00	N.A.	14.90
0-40	1273.97	N.A.	23.90
0-60	2164.76	N.A.	40.60
0-80	2650.99	N.A.	49.70
0-90	2702.37	N.A.	50.70
10-90	2603.36	N.A.	48.80
20-40	894.66	N.A.	16.80
20-50	1372.12	N.A.	25.70
40-70	1200.37	N.A.	22.50
60-80	486.23	N.A.	9.10
70-80	176.65	N.A.	3.30
80-90	51.38	N.A.	1.00
90-110	150.44	N.A.	2.80
90-120	386.19	N.A.	7.20
90-130	782.36	N.A.	14.70
90-150	1819.72	N.A.	34.10
90-180	2629.97	N.A.	49.30
110-180	2479.53	N.A.	46.50
0-180	5332.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	99.01
10-20	280.30
20-30	413.69
30-40	480.97
40-50	477.46
50-60	413.33
60-70	309.58
70-80	176.65
80-90	51.38
90-100	32.45
100-110	117.99
110-120	235.75
120-130	396.17
130-140	518.03
140-150	519.32
150-160	428.99
160-170	282.69
170-180	98.58

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-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	99	99	99	99	84	84	84	70	70	70	57	57	57	51
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	70	82	76	70	66	64	60	57	54	51	48	44	42	40	36
3	81	72	64	59	75	67	60	55	57	52	48	48	44	41	39	37	34	30
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	35	32	30	26
5	68	57	49	43	63	53	45	40	45	39	35	38	34	30	31	28	26	23
6	63	51	43	37	58	47	40	35	41	35	31	34	30	27	29	25	23	20
7	58	46	38	32	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	25	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	21	17	15	13

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX4WUDC-4-00-L8-927U-L8-927D-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	14.7	15.6	15.7	16.6	17.8	14.6	15.5	15.6	16.5	17.7
	3H	16.5	17.3	17.4	18.2	19.5	16.4	17.2	17.3	18.1	19.4
	4H	17.1	17.8	18.1	18.8	20.1	17.0	17.8	18.0	18.7	20.0
	6H	17.5	18.2	18.5	19.2	20.5	17.5	18.2	18.5	19.1	20.4
	8H	17.7	18.3	18.6	19.3	20.6	17.6	18.3	18.6	19.3	20.6
	12H	17.7	18.4	18.7	19.3	20.7	17.7	18.3	18.7	19.3	20.7

UGR Viewed Endwise

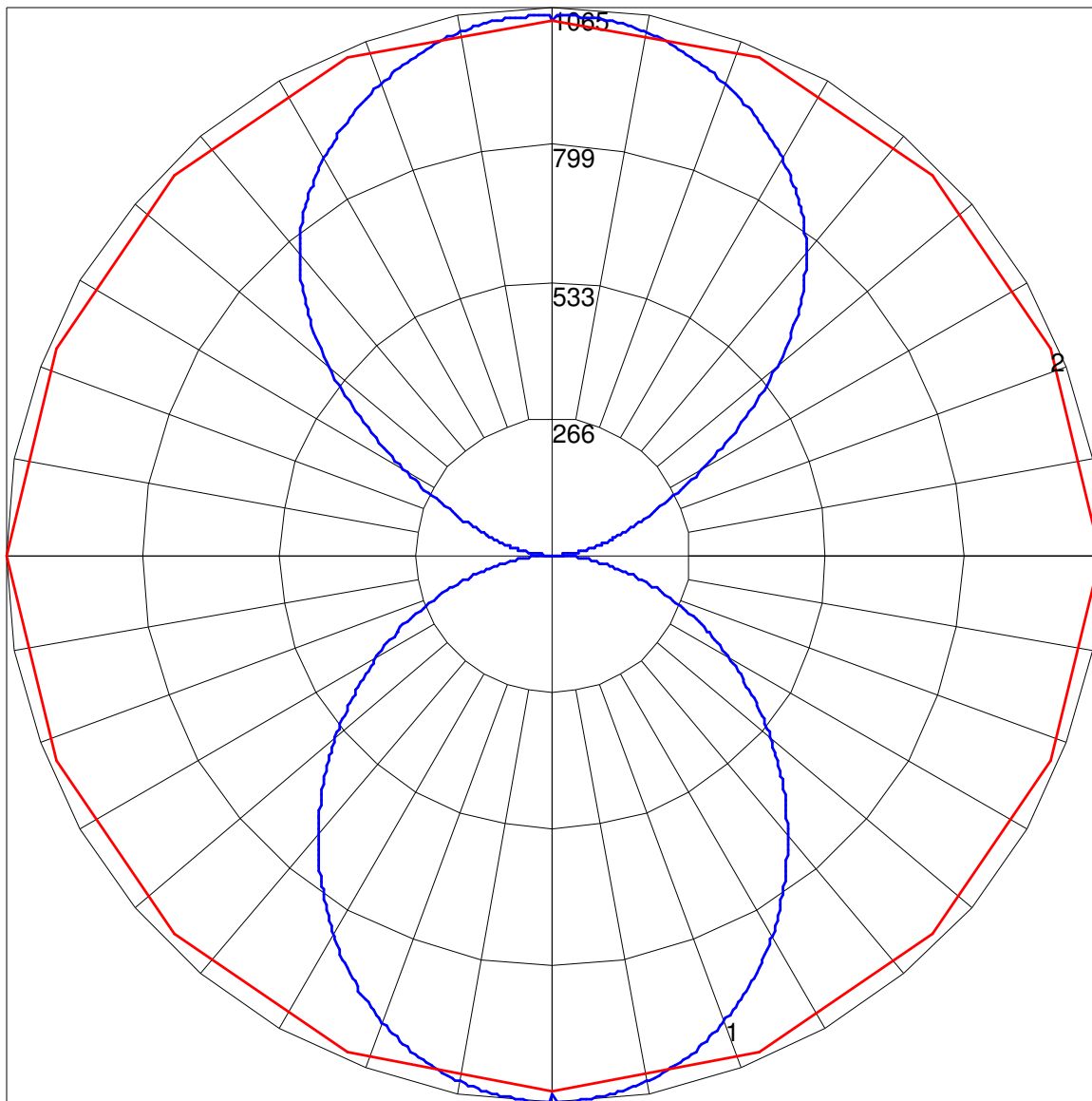
4H	2H	15.3	16.0	16.2	17.0	18.3	15.2	15.9	16.1	16.9	18.2
	3H	17.2	17.8	18.2	18.8	20.1	17.1	17.8	18.1	18.8	20.1
	4H	18.0	18.5	18.9	19.5	20.8	17.9	18.5	18.9	19.5	20.8
	6H	18.5	19.0	19.5	20.0	21.3	18.5	19.0	19.5	20.0	21.3
	8H	18.7	19.1	19.7	20.2	21.5	18.7	19.1	19.7	20.2	21.5
	12H	18.8	19.2	19.8	20.2	21.6	18.8	19.2	19.9	20.3	21.6

8H	4H	18.2	18.7	19.2	19.7	21.0	18.2	18.6	19.2	19.6	21.0
	6H	18.9	19.3	19.9	20.3	21.7	18.9	19.3	19.9	20.3	21.6
	8H	19.2	19.5	20.2	20.5	21.9	19.2	19.5	20.2	20.5	21.9
	12H	19.3	19.6	20.4	20.7	22.1	19.4	19.7	20.4	20.7	22.1

12H	4H	18.2	18.6	19.2	19.6	21.0	18.1	18.6	19.2	19.6	20.9
	6H	18.9	19.3	20.0	20.3	21.7	18.9	19.3	20.0	20.3	21.7
	8H	19.2	19.5	20.3	20.6	22.0	19.2	19.5	20.3	20.6	22.0

Maximum UGR = 22.1

POLAR GRAPH



Maximum Candela = 1065.381 Located At Horizontal Angle = 0, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)