



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-L8-8TW-FW-DIM-UNV 4000K_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN from UL #13052732.23
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 08-19-2024
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.64836
 [LUMINAIRE] 4' INDIRECT SUSPENDED LUMINAIRE
 [OTHER] WITH FROSTED ACRYLIC LENS
 [LUMCAT] MX2U-4-00-L8-8TW-FW-DIM-UNV 4000k
 [LAMPCAT] HLM 80 CRI, 4000K CCT
 [SEARCH_SOURCETYPE] LED
 [SEARCH_APPLICATION] Indoor, Architectural, Commercial, Indirect, Linear
 [SEARCH_MOUNTING] Suspended
 [OTHER] This test was performed using the calibrated photodetector method
 [MORE] of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3460
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	26.4
Ballast Factor	1.00
CIE Type	Indirect
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)	0.17 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	0.000	0.000	0.000	0.000	0.000
0.5	0.000	0.000	0.000	0.000	0.000
1.0	0.000	0.000	0.000	0.000	0.000
1.5	0.000	0.000	0.000	0.000	0.000
2.0	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000
3.0	0.000	0.000	0.000	0.000	0.000
3.5	0.000	0.000	0.000	0.000	0.000
4.0	0.000	0.000	0.000	0.000	0.000
4.5	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000
5.5	0.000	0.000	0.000	0.000	0.000
6.0	0.000	0.000	0.000	0.000	0.000
6.5	0.000	0.000	0.000	0.000	0.000
7.0	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000
8.0	0.000	0.000	0.000	0.000	0.000
8.5	0.000	0.000	0.000	0.000	0.000
9.0	0.000	0.000	0.000	0.000	0.000
9.5	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000
10.5	0.000	0.000	0.000	0.000	0.000
11.0	0.000	0.000	0.000	0.000	0.000
11.5	0.000	0.000	0.000	0.000	0.000
12.0	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000
13.0	0.000	0.000	0.000	0.000	0.000
13.5	0.000	0.000	0.000	0.000	0.000
14.0	0.000	0.000	0.000	0.000	0.000
14.5	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000
15.5	0.000	0.000	0.000	0.000	0.000
16.0	0.000	0.000	0.000	0.000	0.000
16.5	0.000	0.000	0.000	0.000	0.000
17.0	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000
18.0	0.000	0.000	0.000	0.000	0.000
18.5	0.000	0.000	0.000	0.000	0.000
19.0	0.000	0.000	0.000	0.000	0.000
19.5	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000
20.5	0.000	0.000	0.000	0.000	0.000
21.0	0.000	0.000	0.000	0.000	0.000
21.5	0.000	0.000	0.000	0.000	0.000
22.0	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000
23.0	0.000	0.000	0.000	0.000	0.000
23.5	0.000	0.000	0.000	0.000	0.000
24.0	0.000	0.000	0.000	0.000	0.000
24.5	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000
25.5	0.000	0.000	0.000	0.000	0.000
26.0	0.000	0.000	0.000	0.000	0.000
26.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

27.0	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000
28.0	0.000	0.000	0.000	0.000	0.000
28.5	0.000	0.000	0.000	0.000	0.000
29.0	0.000	0.000	0.000	0.000	0.000
29.5	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000
30.5	0.000	0.000	0.000	0.000	0.000
31.0	0.000	0.000	0.000	0.000	0.000
31.5	0.000	0.000	0.000	0.000	0.000
32.0	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000
33.0	0.000	0.000	0.000	0.000	0.000
33.5	0.000	0.000	0.000	0.000	0.000
34.0	0.000	0.000	0.000	0.000	0.000
34.5	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000
35.5	0.000	0.000	0.000	0.000	0.000
36.0	0.000	0.000	0.000	0.000	0.000
36.5	0.000	0.000	0.000	0.000	0.000
37.0	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000
38.0	0.000	0.000	0.000	0.000	0.000
38.5	0.000	0.000	0.000	0.000	0.000
39.0	0.000	0.000	0.000	0.000	0.000
39.5	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000
40.5	0.000	0.000	0.000	0.000	0.000
41.0	0.000	0.000	0.000	0.000	0.000
41.5	0.000	0.000	0.000	0.000	0.000
42.0	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000
43.0	0.000	0.000	0.000	0.000	0.000
43.5	0.000	0.000	0.000	0.000	0.000
44.0	0.000	0.000	0.000	0.000	0.000
44.5	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000
45.5	0.000	0.000	0.000	0.000	0.000
46.0	0.000	0.000	0.000	0.000	0.000
46.5	0.000	0.000	0.000	0.000	0.000
47.0	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000
48.0	0.000	0.000	0.000	0.000	0.000
48.5	0.000	0.000	0.000	0.000	0.000
49.0	0.000	0.000	0.000	0.000	0.000
49.5	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000
50.5	0.000	0.000	0.000	0.000	0.000
51.0	0.000	0.000	0.000	0.000	0.000
51.5	0.000	0.000	0.000	0.000	0.000
52.0	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000
53.0	0.000	0.000	0.000	0.000	0.000
53.5	0.000	0.000	0.000	0.000	0.000
54.0	0.000	0.000	0.000	0.000	0.000
54.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

55.0	0.000	0.000	0.000	0.000	0.000
55.5	0.000	0.000	0.000	0.000	0.000
56.0	0.000	0.000	0.000	0.000	0.000
56.5	0.000	0.000	0.000	0.000	0.000
57.0	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000
58.0	0.000	0.000	0.000	0.000	0.000
58.5	0.000	0.000	0.000	0.000	0.000
59.0	0.000	0.000	0.000	0.000	0.000
59.5	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000
60.5	0.000	0.000	0.000	0.000	0.000
61.0	0.000	0.000	0.000	0.000	0.000
61.5	0.000	0.000	0.000	0.000	0.000
62.0	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000
63.0	0.000	0.000	0.000	0.000	0.000
63.5	0.000	0.000	0.000	0.000	0.000
64.0	0.000	0.000	0.000	0.000	0.000
64.5	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000
65.5	0.000	0.000	0.000	0.000	0.000
66.0	0.000	0.000	0.000	0.000	0.000
66.5	0.000	0.000	0.000	0.000	0.000
67.0	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000
68.0	0.000	0.000	0.000	0.000	0.000
68.5	0.000	0.000	0.000	0.000	0.000
69.0	0.000	0.000	0.000	0.000	0.000
69.5	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000
70.5	0.000	0.000	0.000	0.000	0.000
71.0	0.000	0.000	0.000	0.000	0.000
71.5	0.000	0.000	0.000	0.000	0.000
72.0	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000
73.0	0.000	0.000	0.000	0.000	0.000
73.5	0.000	0.000	0.000	0.000	0.000
74.0	0.000	0.000	0.000	0.000	0.000
74.5	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000
75.5	0.000	0.000	0.000	0.000	0.000
76.0	0.000	0.000	0.000	0.000	0.000
76.5	0.000	0.000	0.000	0.000	0.000
77.0	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000
78.0	0.000	0.000	0.000	0.000	0.000
78.5	0.000	0.000	0.000	0.000	0.000
79.0	0.000	0.000	0.000	0.000	0.000
79.5	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000
80.5	0.000	0.000	0.000	0.000	0.000
81.0	0.000	0.000	0.000	0.000	0.000
81.5	0.000	0.000	0.000	0.000	0.000
82.0	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

83.0	0.000	0.000	0.000	0.000	0.000
83.5	0.000	0.000	0.000	0.000	0.000
84.0	0.000	0.000	0.000	0.000	0.000
84.5	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000
85.5	0.000	0.000	0.000	0.000	0.000
86.0	0.000	0.000	0.000	0.000	0.000
86.5	0.000	0.000	0.000	0.000	0.000
87.0	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000
88.0	0.000	0.000	0.000	0.000	0.000
88.5	0.000	0.000	0.000	0.000	0.000
89.0	0.000	0.000	0.000	0.000	0.000
89.5	0.000	0.000	0.000	0.000	0.000
90.0	4.093	7.845	6.595	7.618	7.845
90.5	6.936	10.460	7.732	8.414	8.755
91.0	11.143	13.758	9.437	9.210	9.437
91.5	16.828	17.623	11.938	10.233	10.119
92.0	22.967	21.717	15.918	12.166	11.597
92.5	29.903	25.810	21.603	14.667	13.985
93.0	36.952	30.585	28.084	18.078	16.941
93.5	43.774	36.725	34.906	23.195	20.921
94.0	50.483	44.002	41.046	30.017	25.924
94.5	57.191	51.392	46.503	37.862	32.518
95.0	64.013	59.579	51.847	46.162	40.136
95.5	70.608	67.651	57.646	54.007	48.550
96.0	77.089	75.156	64.354	61.057	56.850
96.5	83.456	82.774	72.427	67.765	64.354
97.0	89.937	90.960	81.637	74.815	71.517
97.5	96.645	99.374	91.870	82.319	79.135
98.0	102.898	108.015	102.330	89.823	86.639
98.5	109.266	116.884	112.336	98.123	94.030
99.0	115.519	125.525	122.114	107.901	101.875
99.5	122.114	133.825	131.892	119.044	110.744
100.0	128.481	142.239	142.239	131.096	121.318
100.5	134.166	150.425	152.813	143.035	132.802
101.0	140.306	158.611	163.955	154.177	144.967
101.5	146.559	166.684	175.325	164.751	156.792
102.0	152.472	174.643	187.150	175.098	167.707
102.5	158.725	182.830	199.430	185.445	178.623
103.0	165.547	190.789	212.392	195.905	189.197
103.5	171.346	198.520	225.922	206.479	199.543
104.0	176.349	206.934	239.452	216.940	209.890
104.5	182.147	215.689	253.210	227.968	220.464
105.0	187.946	224.330	266.854	239.452	231.038
105.5	193.745	232.175	281.180	251.163	241.954
106.0	199.316	240.021	295.393	263.329	253.210
106.5	204.433	247.866	310.287	275.722	264.694
107.0	209.663	255.825	325.409	289.253	276.064
107.5	215.120	264.125	340.645	303.579	288.571
108.0	219.896	272.198	355.995	318.360	301.532
108.5	225.467	280.043	371.572	333.709	315.063
109.0	231.834	287.888	387.148	349.514	329.161
109.5	238.543	295.734	402.498	365.659	343.942
110.0	244.341	303.465	417.506	382.146	359.178
110.5	248.889	311.538	432.515	398.973	374.983

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CANDELA TABULATION - (Cont.)

111.0	253.324	319.611	447.751	415.801	391.469
111.5	257.644	327.456	462.304	433.197	408.297
112.0	261.851	335.301	476.971	450.934	425.579
112.5	266.513	343.260	491.184	468.785	443.316
113.0	271.402	351.219	505.738	487.091	461.167
113.5	276.291	359.065	519.836	505.851	479.700
114.0	281.180	366.796	533.594	524.384	498.347
114.5	286.069	374.755	547.011	542.690	517.335
115.0	290.731	382.600	560.314	561.223	536.437
115.5	295.393	390.446	573.616	579.984	556.107
116.0	300.168	398.177	586.578	598.176	575.777
116.5	304.489	405.909	599.654	616.254	595.561
117.0	309.037	413.641	612.388	633.877	615.231
117.5	313.585	421.258	624.895	651.387	634.560
118.0	317.905	429.104	637.175	668.556	653.775
118.5	322.226	436.722	649.341	685.156	672.649
119.0	326.546	444.226	661.393	701.074	690.955
119.5	330.867	451.616	672.990	716.424	708.692
120.0	335.074	459.121	684.701	731.091	725.861
120.5	339.281	466.625	696.185	745.303	742.575
121.0	343.374	474.015	707.669	758.947	758.947
121.5	347.467	481.406	718.925	772.023	774.297
122.0	351.447	488.569	729.954	784.530	789.419
122.5	355.426	495.959	740.642	796.582	803.859
123.0	359.406	503.236	751.102	808.521	818.185
123.5	363.271	510.740	761.335	820.345	831.943
124.0	367.137	518.017	771.227	831.488	845.132
124.5	371.117	525.408	780.664	842.403	857.866
125.0	374.755	532.912	789.760	852.977	870.373
125.5	378.621	540.302	798.970	863.324	882.426
126.0	382.259	547.693	807.838	873.671	893.909
126.5	386.011	554.970	816.707	883.449	905.052
127.0	389.877	562.246	825.235	893.000	916.081
127.5	393.629	569.296	833.876	902.323	926.428
128.0	397.495	576.118	842.403	911.647	936.433
128.5	401.475	582.940	850.931	920.515	945.984
129.0	405.454	589.876	859.231	929.384	955.535
129.5	409.547	596.698	867.531	938.139	964.517
130.0	413.868	603.065	875.945	946.552	973.499
130.5	418.416	609.205	884.017	954.966	982.254
131.0	423.191	615.117	891.863	963.039	990.554
131.5	427.739	621.029	899.594	970.998	998.627
132.0	432.060	626.601	907.212	978.730	1006.586
132.5	436.267	632.172	914.603	986.120	1014.431
133.0	440.474	637.630	921.880	993.169	1021.822
133.5	444.226	643.087	928.588	1000.105	1028.985
134.0	447.978	648.204	935.637	1006.927	1035.807
134.5	451.730	653.320	942.232	1013.181	1042.629
135.0	455.596	658.664	948.485	1019.434	1048.996
135.5	459.007	664.008	954.625	1025.460	1055.022
136.0	462.532	669.238	960.424	1031.486	1061.048
136.5	466.170	674.468	966.109	1037.399	1066.847
137.0	469.695	679.699	971.225	1043.084	1072.305
137.5	473.560	684.929	976.456	1048.655	1077.535
138.0	477.654	690.045	981.458	1053.999	1082.879
138.5	481.747	694.821	986.120	1059.457	1088.109

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CANDELA TABULATION - (Cont.)

139.0	486.067	699.937	990.554	1064.687	1093.225
139.5	490.047	705.054	994.875	1069.690	1097.773
140.0	494.368	710.170	999.082	1074.579	1102.549
140.5	498.802	715.059	1003.289	1079.240	1106.983
141.0	503.122	719.835	1007.268	1084.016	1111.531
141.5	507.670	724.496	1011.134	1088.564	1115.965
142.0	511.877	728.931	1014.659	1092.998	1120.172
142.5	516.312	733.251	1018.183	1097.432	1124.379
143.0	520.746	737.572	1021.594	1101.753	1128.472
143.5	525.408	741.665	1025.005	1105.960	1132.679
144.0	530.069	745.758	1028.189	1110.053	1136.886
144.5	534.504	749.624	1031.032	1114.146	1140.411
145.0	538.938	753.376	1033.988	1118.353	1144.959
145.5	543.713	757.128	1036.830	1122.446	1148.370
146.0	548.716	760.880	1039.673	1126.426	1152.918
146.5	553.492	764.405	1042.288	1130.292	1156.329
147.0	558.040	767.475	1044.676	1134.271	1159.740
147.5	562.588	770.659	1046.836	1138.137	1164.288
148.0	567.477	773.956	1048.882	1141.548	1167.699
148.5	572.593	776.798	1050.588	1144.959	1171.110
149.0	577.596	779.868	1052.180	1148.370	1174.521
149.5	582.712	782.824	1053.089	1151.781	1179.069
150.0	587.943	785.553	1053.772	1154.055	1182.480
150.5	593.514	788.282	1054.340	1156.329	1184.754
151.0	598.858	790.783	1054.795	1158.603	1188.165
151.5	604.429	793.399	1055.250	1160.877	1190.439
152.0	610.000	796.014	1055.250	1162.014	1192.713
152.5	615.799	798.174	1055.250	1163.151	1194.987
153.0	621.825	800.562	1054.681	1163.151	1196.124
153.5	627.738	802.722	1053.772	1164.288	1197.261
154.0	633.309	804.996	1052.748	1163.151	1197.261
154.5	639.335	807.270	1051.270	1163.151	1197.261
155.0	645.475	809.658	1049.906	1162.014	1196.124
155.5	651.728	811.932	1048.200	1160.877	1194.987
156.0	658.209	813.978	1046.381	1159.740	1193.850
156.5	664.235	815.911	1044.334	1158.603	1191.576
157.0	670.830	818.299	1042.174	1156.329	1189.302
157.5	677.538	820.232	1039.786	1154.055	1187.028
158.0	684.247	822.165	1037.171	1150.644	1184.754
158.5	690.614	823.984	1034.101	1147.233	1181.343
159.0	696.640	825.689	1031.032	1143.822	1177.932
159.5	702.893	827.509	1027.507	1139.274	1173.384
160.0	709.033	829.100	1023.982	1135.294	1169.973
160.5	715.059	830.692	1020.116	1130.519	1165.425
161.0	721.199	832.170	1016.137	1125.175	1160.877
161.5	727.225	833.535	1012.044	1119.718	1156.329
162.0	733.251	835.126	1007.496	1113.805	1150.644
162.5	739.505	836.377	1002.948	1107.552	1144.959
163.0	745.531	837.855	998.286	1100.843	1138.137
163.5	751.557	839.106	993.283	1094.021	1130.860
164.0	757.469	840.357	988.167	1086.858	1123.356
164.5	763.041	841.721	982.936	1079.354	1115.397
165.0	768.271	842.972	977.706	1071.509	1107.097
165.5	773.842	844.109	972.362	1063.436	1098.228
166.0	779.300	845.246	966.905	1055.022	1089.132
166.5	784.416	846.269	961.447	1046.495	1079.695

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2U-4-00-L8-8TW-FW-DIM-UNV 4000K_.IES****CANDELA TABULATION - (Cont.)**

167.0	789.533	847.406	955.990	1037.740	1069.917
167.5	794.536	848.543	950.532	1028.758	1059.911
168.0	799.538	849.566	945.074	1019.662	1049.565
168.5	804.541	850.476	939.617	1010.338	1039.218
169.0	809.317	851.272	934.273	1000.901	1028.530
169.5	813.978	852.181	929.156	991.578	1017.615
170.0	818.413	853.091	923.926	982.141	1006.813
170.5	822.733	854.001	918.923	972.703	996.126
171.0	826.599	855.024	914.034	963.494	985.438
171.5	830.237	855.706	909.145	954.398	975.205
172.0	833.876	856.616	904.597	945.529	964.744
172.5	837.400	857.298	900.163	937.002	954.511
173.0	840.584	857.980	895.956	928.588	944.733
173.5	843.540	858.549	891.976	920.629	935.182
174.0	846.269	859.117	888.224	913.352	926.086
174.5	848.884	859.686	884.813	906.075	917.673
175.0	851.272	860.254	881.516	899.594	909.486
175.5	853.432	860.823	878.560	893.455	901.755
176.0	855.365	861.164	875.717	887.883	894.819
176.5	857.184	861.619	873.330	882.880	888.565
177.0	858.662	861.960	871.169	878.446	883.108
177.5	860.027	862.187	869.350	874.580	878.332
178.0	861.050	862.414	867.872	871.510	874.467
178.5	861.960	862.528	866.735	868.895	871.397
179.0	862.642	862.642	865.939	867.076	869.123
179.5	862.983	862.756	865.484	866.053	867.872
180.0	864.802	864.802	864.802	864.802	864.802

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2U-4-00-L8-8TW-FW-DIM-UNV 4000K_.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.19	N.A.	0.00
10-90	0.19	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.19	N.A.	0.00
90-110	313.53	N.A.	9.10
90-120	786.80	N.A.	22.70
90-130	1410.12	N.A.	40.80
90-150	2647.99	N.A.	76.50
90-180	3459.53	N.A.	100.00
110-180	3145.99	N.A.	90.90
0-180	3459.72	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.19
90-100	62.85
100-110	250.68
110-120	473.26
120-130	623.33
130-140	651.08
140-150	586.79
150-160	454.58
160-170	271.68
170-180	85.27

IES INDOOR REPORT

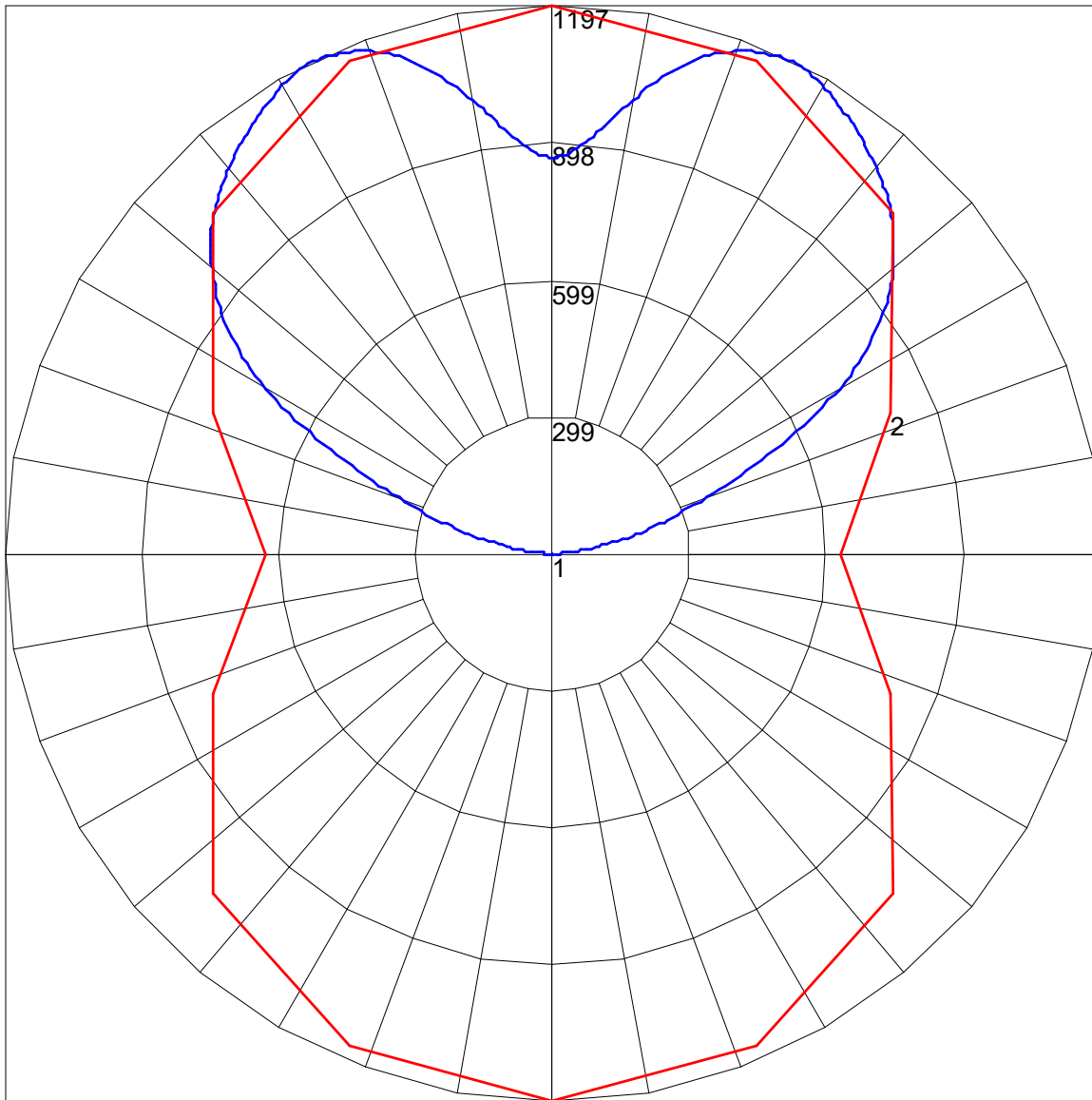
PHOTOMETRIC FILENAME : MX2U-4-00-L8-8TW-FW-DIM-UNV 4000K_.IES

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	108	108	108	108	93	93	93	93	63	63	63	36	36	36	12	12	12	0
1	98	94	90	86	84	80	77	74	55	53	51	32	31	30	10	10	10	0
2	90	82	76	70	76	70	65	61	48	45	42	28	26	25	9	8	8	0
3	82	72	64	58	69	62	55	50	42	38	35	24	22	21	8	7	7	0
4	74	63	55	49	63	54	48	42	37	33	30	22	19	18	7	6	6	0
5	68	56	48	41	58	48	41	36	33	29	25	19	17	15	6	6	5	0
6	62	50	41	35	53	43	36	31	30	25	22	17	15	13	6	5	4	0
7	57	45	36	31	49	38	32	27	27	22	19	15	13	11	5	4	4	0
8	53	40	32	27	45	35	28	23	24	20	16	14	12	10	5	4	3	0
9	49	36	29	23	42	31	25	20	22	17	14	13	10	9	4	3	3	0
10	46	33	25	20	39	28	22	18	20	16	13	12	9	8	4	3	3	0

POLAR GRAPH



Maximum Candela = 1197.261 Located At Horizontal Angle = 90, Vertical Angle = 153.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (153.5) (Through Max. Cd.)