



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2S-8-00-L8-835-D-DIM-UNV_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 13052732.16

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 30 JULY 2020

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO

[LUMCAT] MX2S-8-00-L8-835-D-DIM-UNV

[LUMINAIRE] Formed White aluminum housing, frosted lens enclosure

[LAMP] 144 White LEDs

[BALLAST] One Philips XI040C110V054BST1 Driver

[OTHER] 25 C, 120.136 V, 53.6 W, 0.993665 PF, 60.0001 Hz

[OTHER] This test was performed using the calibrated photodetector met

[MORE] hod of absolute photometry.

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Architectural, Direct, Direct-Indirect, Indirect, Linear

[_SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	53.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.00 ft
Luminous Width (90-270)	0.17 ft
Luminous Height	0.04 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13411	12033	11674
55	11625	10844	10799
65	9858	9850	10030
75	7870	8961	9365
85	5370	8256	8217

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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	2260.117	2260.117	2260.117	2260.117	2260.117
0.5	2247.140	2268.768	2255.791	2262.279	2260.117
1.0	2247.140	2268.768	2255.791	2262.279	2260.117
1.5	2247.140	2268.768	2255.791	2262.279	2260.117
2.0	2244.977	2266.605	2255.791	2262.279	2260.117
2.5	2244.977	2266.605	2253.628	2260.117	2260.117
3.0	2242.814	2264.442	2253.628	2260.117	2260.117
3.5	2240.651	2262.279	2251.465	2257.954	2255.791
4.0	2236.326	2260.117	2249.303	2255.791	2255.791
4.5	2236.326	2257.954	2247.140	2253.628	2253.628
5.0	2232.000	2255.791	2244.977	2251.465	2249.303
5.5	2229.838	2251.465	2240.651	2247.140	2244.977
6.0	2225.512	2249.303	2238.489	2244.977	2242.814
6.5	2221.186	2244.977	2234.163	2240.651	2238.489
7.0	2216.861	2240.651	2229.838	2236.326	2232.000
7.5	2212.535	2236.326	2225.512	2229.838	2227.675
8.0	2208.210	2232.000	2221.186	2225.512	2223.349
8.5	2201.721	2225.512	2214.698	2219.024	2216.861
9.0	2195.233	2221.186	2210.372	2212.535	2210.372
9.5	2190.907	2214.698	2203.884	2206.047	2201.721
10.0	2184.419	2210.372	2199.558	2197.396	2195.233
10.5	2177.931	2203.884	2190.907	2190.907	2188.745
11.0	2169.279	2197.396	2184.419	2182.256	2177.931
11.5	2164.954	2190.907	2177.931	2175.768	2169.279
12.0	2156.303	2184.419	2169.279	2167.117	2161.710
12.5	2148.300	2175.768	2160.845	2157.600	2151.328
13.0	2140.514	2169.279	2151.328	2148.084	2141.163
13.5	2131.647	2160.628	2142.893	2138.351	2132.296
14.0	2123.428	2152.626	2133.810	2128.186	2121.049
14.5	2114.777	2143.975	2124.077	2117.589	2110.235
15.0	2105.261	2135.107	2114.561	2106.342	2100.503
15.5	2095.528	2126.024	2103.963	2095.744	2088.824
16.0	2087.093	2116.507	2093.798	2084.498	2076.928
16.5	2075.631	2106.775	2082.984	2071.954	2064.600
17.0	2065.682	2096.826	2071.521	2060.491	2052.705
17.5	2056.165	2086.661	2060.058	2048.596	2039.944
18.0	2045.351	2075.847	2048.812	2035.835	2027.400
18.5	2034.970	2065.033	2036.484	2023.507	2015.289
19.0	2023.940	2052.921	2024.372	2010.531	2001.663
19.5	2012.693	2041.458	2012.261	1997.338	1988.686
20.0	2000.798	2029.779	1999.500	1983.928	1974.844
20.5	1988.470	2017.884	1986.524	1970.735	1962.300
21.0	1976.575	2005.556	1973.331	1956.893	1947.377
21.5	1963.598	1993.012	1961.219	1943.051	1933.535
22.0	1951.054	1980.035	1947.593	1929.426	1920.342
22.5	1937.861	1967.491	1934.400	1915.584	1905.851
23.0	1924.235	1954.298	1920.558	1901.093	1891.793
23.5	1910.610	1940.672	1906.717	1887.251	1877.951
24.0	1897.200	1927.263	1893.091	1872.977	1863.461
24.5	1882.926	1913.854	1879.249	1859.351	1848.537
25.0	1868.651	1898.931	1864.758	1845.077	1834.479
25.5	1853.296	1885.521	1850.484	1830.586	1820.205
26.0	1838.372	1870.598	1836.426	1816.528	1805.498
26.5	1823.233	1855.675	1821.503	1801.605	1792.737

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CANDELA TABULATION - (Cont.)

27.0	1808.526	1841.617	1807.012	1787.330	1778.030
27.5	1793.603	1825.396	1792.089	1772.407	1763.324
28.0	1778.030	1810.256	1777.382	1757.917	1748.833
28.5	1762.026	1795.117	1762.242	1743.858	1735.424
29.0	1746.454	1779.112	1746.021	1729.151	1721.149
29.5	1730.665	1763.107	1731.098	1713.796	1706.875
30.0	1713.796	1747.751	1715.310	1699.089	1692.384
30.5	1697.575	1730.449	1699.305	1684.382	1678.326
31.0	1681.354	1714.877	1683.517	1669.458	1663.403
31.5	1664.484	1698.224	1667.728	1653.454	1649.344
32.0	1646.317	1680.921	1652.156	1638.963	1635.503
32.5	1630.096	1664.484	1636.584	1627.284	1624.905
33.0	1611.928	1647.398	1621.661	1612.793	1610.198
33.5	1599.600	1631.826	1607.603	1597.654	1595.491
34.0	1586.407	1614.740	1590.949	1582.730	1581.000
34.5	1568.672	1601.114	1577.323	1569.105	1570.619
35.0	1550.721	1584.893	1561.103	1556.344	1555.912
35.5	1532.770	1567.375	1547.261	1541.421	1541.205
36.0	1514.603	1551.154	1531.040	1526.282	1526.714
36.5	1496.651	1534.500	1515.035	1511.575	1512.007
37.0	1478.484	1516.765	1499.030	1496.651	1497.300
37.5	1460.316	1499.247	1483.026	1481.512	1482.593
38.0	1441.933	1481.512	1466.805	1466.805	1467.886
38.5	1423.549	1463.993	1450.800	1452.098	1453.396
39.0	1404.949	1446.258	1434.796	1437.175	1439.121
39.5	1386.349	1428.740	1418.791	1422.468	1424.847
40.0	1367.965	1411.221	1402.786	1407.977	1411.005
40.5	1349.582	1393.703	1386.782	1393.703	1397.596
41.0	1330.982	1376.184	1370.993	1379.428	1383.970
41.5	1312.382	1358.665	1355.421	1365.370	1370.777
42.0	1293.998	1341.147	1339.633	1351.528	1357.800
42.5	1275.398	1323.628	1324.061	1337.903	1345.040
43.0	1257.230	1306.326	1308.921	1324.709	1332.496
43.5	1238.847	1289.023	1293.782	1311.516	1320.384
44.0	1220.679	1271.721	1278.642	1298.323	1307.840
44.5	1202.512	1254.419	1263.719	1285.563	1295.512
45.0	1184.344	1237.116	1249.012	1272.586	1283.400
45.5	1166.177	1220.030	1234.305	1260.042	1271.505
46.0	1148.009	1202.944	1220.030	1247.498	1259.393
46.5	1130.275	1186.291	1205.756	1234.954	1247.282
47.0	1112.323	1169.421	1191.482	1222.409	1235.386
47.5	1094.589	1152.551	1177.207	1209.865	1223.275
48.0	1076.637	1135.898	1163.149	1197.321	1211.379
48.5	1058.902	1119.244	1149.091	1184.993	1199.268
49.0	1041.168	1103.023	1135.033	1172.665	1187.589
49.5	1023.649	1086.586	1120.975	1160.554	1175.693
50.0	1006.130	1070.582	1107.133	1148.442	1164.014
50.5	988.828	1054.361	1093.507	1136.330	1152.335
51.0	971.526	1038.140	1079.882	1124.219	1140.440
51.5	954.007	1022.135	1066.256	1112.107	1128.544
52.0	936.489	1006.130	1052.847	1099.996	1116.865
52.5	919.186	990.126	1039.221	1088.100	1104.970
53.0	902.100	974.554	1026.028	1076.205	1093.507
53.5	885.230	958.982	1012.835	1064.093	1081.612
54.0	868.144	943.409	999.642	1052.198	1069.500
54.5	851.491	927.837	986.233	1040.086	1057.605

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55.0	834.621	912.265	973.040	1027.975	1045.926
55.5	817.968	896.909	959.630	1015.863	1034.030
56.0	801.530	881.554	946.654	1003.968	1022.135
56.5	785.309	866.414	933.461	991.856	1010.240
57.0	768.872	851.491	920.484	979.528	998.561
57.5	752.651	836.135	907.291	967.416	986.449
58.0	736.430	821.212	894.098	955.089	974.121
58.5	720.642	806.288	881.121	942.977	962.226
59.0	704.637	791.365	868.361	930.865	950.330
59.5	689.065	776.875	855.600	918.754	938.435
60.0	673.277	762.168	842.840	906.858	926.540
60.5	657.705	747.677	830.079	894.963	914.861
61.0	642.133	733.186	817.319	882.851	902.965
61.5	626.993	718.695	804.775	871.172	891.286
62.0	611.854	704.637	792.230	859.277	879.823
62.5	596.930	690.363	779.902	847.814	868.144
63.0	581.791	676.305	767.575	836.135	856.898
63.5	567.084	662.463	755.030	824.456	845.219
64.0	552.377	648.621	742.702	812.777	833.756
64.5	537.886	634.779	730.591	801.098	822.077
65.0	523.395	620.937	718.479	789.419	810.614
65.5	509.121	607.312	706.368	777.956	799.151
66.0	494.847	594.119	694.256	766.277	788.337
66.5	480.788	580.709	682.144	754.814	776.875
67.0	466.730	567.300	670.249	743.135	765.412
67.5	452.888	554.107	658.137	731.456	753.733
68.0	439.263	540.914	646.242	719.777	742.270
68.5	425.421	527.937	634.347	708.314	731.023
69.0	412.012	514.961	622.451	696.635	719.344
69.5	398.386	501.984	610.556	685.172	707.881
70.0	384.977	489.223	598.661	673.493	696.419
70.5	371.784	476.463	586.981	661.814	684.956
71.0	358.591	463.702	574.870	650.135	673.277
71.5	345.614	451.374	563.191	638.672	661.814
72.0	332.637	438.830	551.728	627.209	650.351
72.5	319.877	426.502	540.265	615.747	639.105
73.0	307.116	414.174	528.802	604.284	627.642
73.5	294.788	401.847	517.123	593.037	616.612
74.0	282.244	389.951	505.877	581.791	605.365
74.5	269.916	377.840	494.630	570.544	594.551
75.0	258.021	366.161	483.384	559.514	583.737
75.5	246.126	354.481	472.354	548.700	573.140
76.0	234.447	343.019	461.323	537.886	562.542
76.5	222.767	331.340	450.293	527.072	551.728
77.0	211.521	320.093	439.479	516.474	541.563
77.5	200.274	309.063	428.881	505.877	531.398
78.0	189.460	298.033	418.284	495.495	521.449
78.5	178.863	287.219	407.902	485.114	511.284
79.0	168.265	276.621	397.521	474.949	501.551
79.5	157.884	266.023	387.140	464.784	491.819
80.0	147.935	255.858	376.974	454.619	482.086
80.5	138.202	245.693	366.809	444.670	472.354
81.0	128.470	235.744	356.861	434.505	462.837
81.5	119.170	226.012	346.695	424.772	453.537
82.0	110.086	216.279	336.963	415.040	444.237
82.5	101.435	206.763	326.798	405.307	434.937

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CANDELA TABULATION - (Cont.)

83.0	92.784	197.463	316.633	395.358	425.637
83.5	84.565	188.163	306.684	385.193	415.040
84.0	76.563	178.863	296.735	371.351	393.195
84.5	68.993	169.563	286.354	348.642	369.188
85.0	61.640	160.479	274.891	324.635	344.749
85.5	54.286	150.963	259.319	298.465	314.470
86.0	47.365	141.230	237.691	265.591	276.188
86.5	40.660	130.849	213.251	227.958	237.691
87.0	34.388	119.386	183.405	190.542	199.842
87.5	28.116	105.112	150.747	153.774	162.209
88.0	22.060	87.160	116.574	117.872	125.658
88.5	16.221	65.533	83.051	84.565	90.837
89.0	9.733	44.121	57.963	67.047	75.914
89.5	3.460	28.765	45.419	60.774	71.156
90.0	0.000	21.844	42.391	56.016	65.965
90.5	0.000	26.170	48.447	59.693	64.884
91.0	0.216	36.119	64.235	77.212	83.267
91.5	0.649	50.177	86.512	101.002	107.058
92.0	0.649	63.802	109.870	124.577	130.849
92.5	0.649	73.535	130.416	147.935	154.423
93.0	0.649	80.023	145.988	170.428	177.349
93.5	0.649	83.916	157.884	188.163	199.409
94.0	0.649	86.512	165.886	200.274	214.116
94.5	0.649	88.242	169.995	211.305	225.147
95.0	0.649	89.540	171.293	219.956	235.744
95.5	0.649	90.621	171.942	222.984	244.179
96.0	0.649	91.486	172.158	223.200	246.342
96.5	0.649	92.135	172.158	222.335	245.044
97.0	0.649	92.567	171.726	221.686	243.530
97.5	0.649	93.000	171.293	221.037	242.016
98.0	0.649	93.216	170.644	220.172	240.502
98.5	0.649	93.216	169.995	219.091	238.988
99.0	0.649	93.216	169.130	218.009	237.474
99.5	0.649	93.216	168.265	216.928	236.177
100.0	0.649	93.000	167.400	215.847	234.230
100.5	0.865	92.784	166.535	214.549	232.716
101.0	0.865	92.567	165.670	213.467	231.202
101.5	0.865	92.135	164.588	212.170	229.688
102.0	0.865	91.702	163.723	211.088	228.174
102.5	0.865	91.270	162.858	210.007	226.660
103.0	0.865	90.837	161.993	208.709	225.147
103.5	0.865	90.405	160.912	207.628	223.849
104.0	0.865	89.756	160.047	206.547	222.551
104.5	0.865	89.323	158.965	205.465	221.037
105.0	0.865	88.674	158.100	204.167	219.740
105.5	0.865	88.026	157.235	203.086	218.442
106.0	0.865	87.593	156.154	201.788	216.928
106.5	0.865	86.944	155.288	200.707	215.630
107.0	0.865	86.295	154.207	199.409	214.333
107.5	1.081	85.647	153.342	198.328	212.819
108.0	1.081	84.998	152.260	197.030	211.521
108.5	0.865	84.349	151.179	195.733	210.223
109.0	0.865	83.700	150.314	194.651	208.709
109.5	0.865	83.051	149.233	193.354	207.195
110.0	0.865	82.402	148.151	192.056	205.898
110.5	0.865	81.754	147.070	190.974	204.384

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CANDELA TABULATION - (Cont.)

111.0	0.865	80.888	145.988	189.677	203.302
111.5	0.865	80.240	144.907	188.379	201.788
112.0	1.081	79.374	143.609	187.081	200.491
112.5	0.865	78.726	142.528	186.000	199.193
113.0	0.865	77.860	141.447	184.702	197.679
113.5	1.081	76.995	140.365	183.405	196.598
114.0	1.081	76.347	139.067	182.107	195.084
114.5	1.081	75.481	137.986	180.809	193.786
115.0	1.081	74.616	136.688	179.295	192.488
115.5	1.081	73.967	135.607	177.998	191.191
116.0	1.081	73.102	134.526	176.484	189.677
116.5	1.081	72.237	133.660	175.186	188.379
117.0	1.081	71.588	132.795	173.888	186.865
117.5	1.081	70.723	131.930	172.374	185.351
118.0	1.081	70.074	131.065	171.077	183.837
118.5	1.081	69.209	130.200	169.563	182.540
119.0	1.081	68.560	129.551	168.049	180.809
119.5	1.081	67.695	128.902	166.535	179.295
120.0	1.081	67.047	128.470	165.021	177.998
120.5	1.081	66.181	127.821	163.507	176.484
121.0	1.081	65.533	127.388	162.209	174.754
121.5	1.081	64.884	126.956	160.695	173.240
122.0	1.081	64.019	126.523	159.181	171.726
122.5	1.081	63.370	126.091	157.667	170.212
123.0	1.081	62.505	125.658	156.154	168.698
123.5	1.081	61.423	125.009	154.640	167.184
124.0	1.081	60.342	124.577	153.342	165.670
124.5	1.081	59.477	123.928	151.828	164.156
125.0	0.865	58.395	123.063	150.530	162.858
125.5	0.865	57.314	122.198	149.233	161.344
126.0	0.649	56.233	121.116	147.935	159.614
126.5	0.433	55.367	120.035	147.070	158.316
127.0	0.649	54.502	118.737	145.988	156.586
127.5	0.649	53.637	117.656	145.123	155.072
128.0	0.649	52.988	116.358	144.474	153.558
128.5	0.649	52.340	114.844	144.042	152.260
129.0	0.649	51.691	113.547	143.393	150.963
129.5	0.649	50.826	112.033	143.177	149.881
130.0	0.865	50.177	110.735	142.744	148.800
130.5	0.865	49.528	109.221	142.312	148.151
131.0	1.081	48.663	107.923	141.879	147.286
131.5	1.081	48.014	106.409	141.230	146.854
132.0	1.081	47.365	104.895	140.581	146.421
132.5	1.081	46.716	103.598	139.716	145.988
133.0	1.081	45.851	102.084	138.635	145.772
133.5	1.081	45.202	100.786	137.337	145.340
134.0	1.081	44.553	99.272	136.040	144.907
134.5	1.081	43.905	97.974	134.526	144.258
135.0	1.081	43.256	96.677	133.012	143.177
135.5	0.865	42.607	95.379	131.281	142.095
136.0	0.865	41.742	94.081	129.551	141.014
136.5	0.865	41.093	92.567	127.821	139.500
137.0	1.081	40.012	91.270	126.091	137.986
137.5	1.081	38.930	89.972	124.360	136.256
138.0	1.081	37.849	88.674	122.630	134.526
138.5	1.081	36.984	87.377	120.900	132.579

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

139.0	1.081	36.335	86.079	118.954	130.633
139.5	1.081	35.686	84.781	117.223	128.686
140.0	1.081	35.037	83.484	115.493	126.956
140.5	1.081	34.388	82.186	113.547	125.009
141.0	1.081	33.523	80.888	111.816	123.063
141.5	1.081	32.442	79.591	110.086	121.116
142.0	1.081	31.577	78.293	108.356	119.386
142.5	1.081	30.712	76.995	106.626	117.440
143.0	1.298	29.630	75.698	104.895	115.493
143.5	1.298	28.549	74.184	103.165	113.547
144.0	1.298	27.467	72.886	101.435	111.816
144.5	1.298	26.602	71.372	99.705	109.870
145.0	1.298	25.737	69.858	97.974	108.140
145.5	1.298	24.872	68.128	96.244	106.193
146.0	1.298	24.007	66.614	94.514	104.247
146.5	1.298	23.358	65.100	92.784	102.300
147.0	1.298	22.926	63.370	91.270	100.570
147.5	1.514	22.277	61.856	89.540	98.623
148.0	1.514	21.844	60.342	87.809	96.893
148.5	1.514	21.195	58.612	86.079	94.947
149.0	1.514	20.763	57.098	84.349	93.216
149.5	1.730	20.330	55.584	82.619	91.270
150.0	1.730	19.681	54.070	80.888	89.323
150.5	1.947	19.249	52.556	79.158	87.377
151.0	1.947	18.816	51.042	77.428	85.430
151.5	1.947	18.167	49.312	75.698	83.484
152.0	1.947	17.735	47.581	73.967	81.537
152.5	1.947	17.302	45.635	72.237	79.807
153.0	1.947	16.870	43.688	70.507	77.860
153.5	1.947	16.437	42.391	68.777	75.914
154.0	1.947	16.005	41.309	67.047	73.967
154.5	1.947	15.572	40.228	65.316	72.237
155.0	2.163	15.140	39.147	63.586	70.291
155.5	2.163	14.707	37.849	61.856	68.344
156.0	2.163	14.274	36.551	60.126	66.614
156.5	2.163	13.626	35.037	58.395	64.884
157.0	2.163	13.193	33.523	56.449	62.937
157.5	2.163	12.760	31.793	54.502	61.207
158.0	2.163	12.328	30.279	52.556	59.260
158.5	2.163	11.679	28.765	50.609	57.530
159.0	2.163	11.247	27.684	48.663	55.800
159.5	2.379	10.814	26.602	46.716	53.853
160.0	2.379	10.381	25.737	44.770	52.123
160.5	2.379	9.949	25.088	42.823	50.393
161.0	2.379	9.516	24.223	40.228	48.663
161.5	2.379	9.084	23.574	37.416	46.716
162.0	2.379	8.867	22.709	35.253	44.770
162.5	2.379	8.435	21.844	33.307	42.607
163.0	2.379	8.219	21.195	31.144	40.228
163.5	2.379	7.786	20.330	29.198	38.065
164.0	2.379	7.570	19.465	27.684	35.902
164.5	2.595	7.137	18.600	26.170	33.740
165.0	2.595	6.921	17.735	24.872	32.009
165.5	2.595	6.488	16.870	23.574	30.495
166.0	2.595	6.272	15.788	22.493	28.981
166.5	2.595	5.840	14.923	21.628	27.467

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

167.0	2.595	5.623	14.058	20.330	26.170
167.5	2.595	5.191	13.193	19.249	24.223
168.0	2.812	4.974	12.328	18.167	22.709
168.5	2.812	4.542	11.463	16.870	21.628
169.0	2.812	4.326	10.598	15.572	20.330
169.5	2.812	4.109	9.733	14.274	19.033
170.0	2.812	3.893	9.084	12.977	17.519
170.5	2.812	3.677	8.435	11.895	15.788
171.0	2.812	3.460	7.786	10.598	14.491
171.5	2.812	3.244	7.353	9.516	12.977
172.0	2.812	3.244	6.705	8.435	11.679
172.5	2.812	3.244	6.056	7.570	10.165
173.0	2.812	3.028	5.407	6.921	8.867
173.5	2.812	3.028	4.758	6.272	8.002
174.0	2.812	3.028	4.109	5.407	6.705
174.5	2.812	3.028	3.677	4.758	5.191
175.0	2.812	3.028	3.244	4.109	4.542
175.5	2.812	2.812	3.028	3.460	3.460
176.0	2.812	2.812	2.812	3.028	2.379
176.5	2.812	2.812	2.812	2.812	2.163
177.0	2.812	2.812	2.812	2.595	2.163
177.5	2.812	2.812	2.812	2.595	1.947
178.0	2.812	2.812	2.812	2.379	1.947
178.5	2.812	2.812	2.812	2.379	1.947
179.0	2.812	2.812	2.812	2.379	1.947
179.5	2.812	2.812	2.595	2.379	1.947
180.0	2.595	2.595	2.595	2.595	2.595

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	807.98	N.A.	12.40
0-30	1666.15	N.A.	25.60
0-40	2642.97	N.A.	40.60
0-60	4469.82	N.A.	68.70
0-80	5647.95	N.A.	86.80
0-90	5881.52	N.A.	90.30
10-90	5668.5	N.A.	87.10
20-40	1834.99	N.A.	28.20
20-50	2799.48	N.A.	43.00
40-70	2519.92	N.A.	38.70
60-80	1178.13	N.A.	18.10
70-80	485.06	N.A.	7.50
80-90	233.57	N.A.	3.60
90-110	285.30	N.A.	4.40
90-120	406.47	N.A.	6.20
90-130	499.42	N.A.	7.70
90-150	605.29	N.A.	9.30
90-180	629.07	N.A.	9.70
110-180	343.77	N.A.	5.30
0-180	6510.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	213.02
10-20	594.96
20-30	858.17
30-40	976.82
40-50	964.49
50-60	862.35
60-70	693.07
70-80	485.06
80-90	233.57
90-100	136.90
100-110	148.40
110-120	121.17
120-130	92.95
130-140	66.51
140-150	39.36
150-160	18.11
160-170	5.16
170-180	0.52

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-8-00-L8-835-D-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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	106	101	96	92	102	97	93	90	91	88	85	86	83	81	81	79	77	74
2	96	88	81	75	92	85	78	73	80	74	70	75	71	67	71	67	64	61
3	88	77	69	62	84	75	67	61	70	64	59	66	61	56	62	58	54	52
4	80	68	59	53	77	66	58	52	62	56	50	59	53	48	56	51	47	44
5	74	61	52	45	71	59	51	45	56	49	43	53	47	42	50	45	41	38
6	68	55	46	40	66	54	45	39	51	44	38	48	42	37	46	40	36	34
7	63	50	41	35	61	49	41	35	46	39	34	44	38	33	42	36	32	30
8	59	46	37	31	57	45	37	31	42	35	30	40	34	30	39	33	29	27
9	55	42	34	28	53	41	33	28	39	32	27	37	31	27	36	30	26	24
10	52	39	31	26	50	38	30	25	36	30	25	35	29	24	33	28	24	22

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MX2S-8-00-L8-835-D-DIM-UNV_.IES

UGR TABLE - CORRECTED

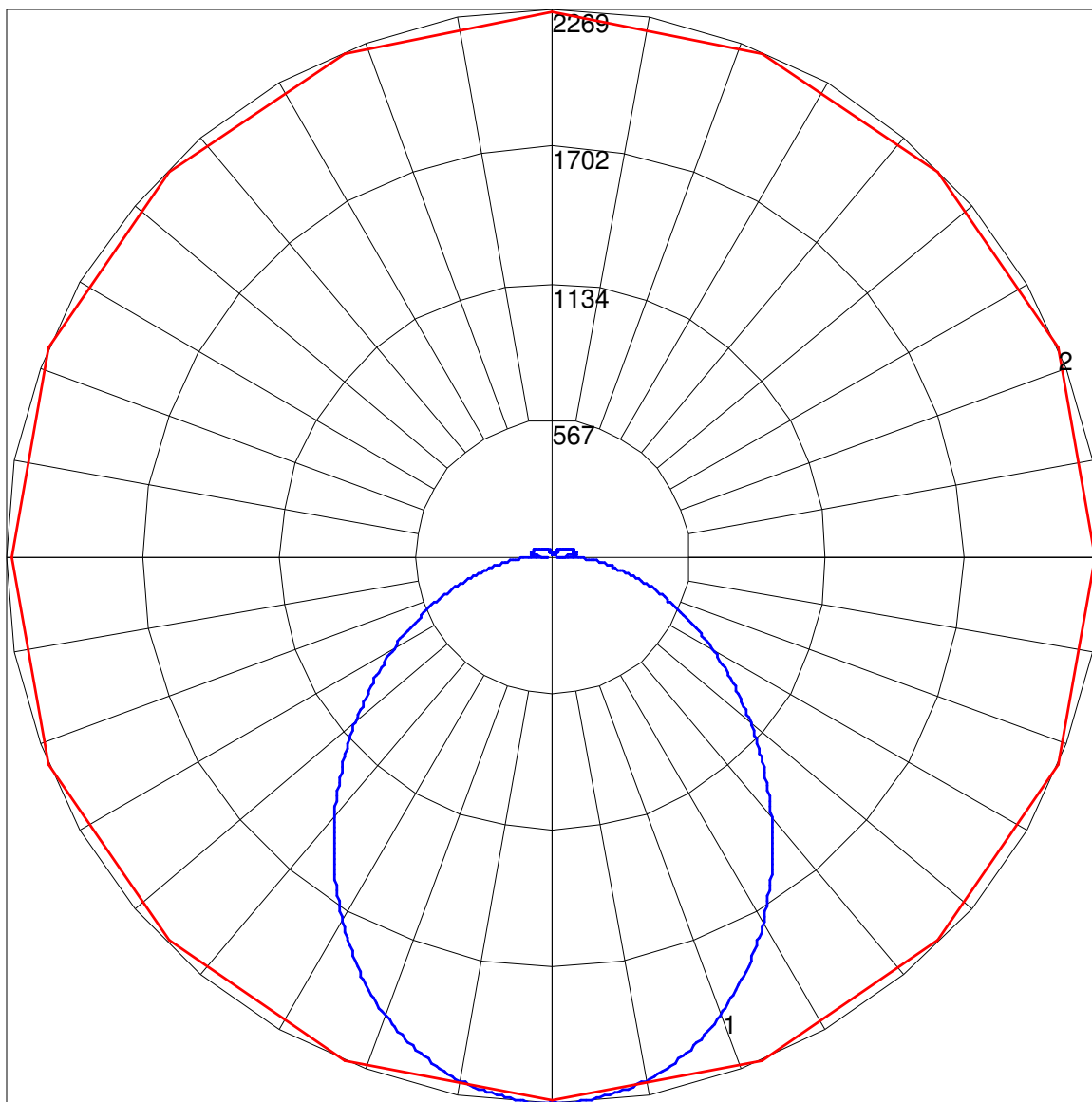
Reflectances

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					UGR Viewed Endwise				
X=2H	Y=2H	18.5	19.9	19.0	20.4	21.0	20.3	21.8	20.9	22.3	22.8
	3H	19.9	21.2	20.4	21.7	22.3	22.7	24.0	23.2	24.5	25.1
	4H	20.3	21.5	20.9	22.1	22.7	23.8	25.0	24.4	25.6	26.2
	6H	20.6	21.7	21.1	22.3	22.9	25.0	26.1	25.5	26.7	27.3
	8H	20.6	21.7	21.2	22.3	22.9	25.6	26.6	26.1	27.2	27.8
	12H	20.7	21.7	21.2	22.2	22.9	26.2	27.2	26.7	27.8	28.4
4H	2H	19.4	20.6	19.9	21.1	21.7	20.8	22.0	21.4	22.6	23.2
	3H	21.0	22.1	21.6	22.6	23.3	23.4	24.4	24.0	25.0	25.6
	4H	21.6	22.6	22.2	23.1	23.8	24.7	25.6	25.3	26.2	26.9
	6H	22.0	22.8	22.6	23.4	24.1	26.0	26.8	26.6	27.4	28.1
	8H	22.1	22.9	22.7	23.5	24.2	26.7	27.5	27.3	28.1	28.8
	12H	22.2	22.9	22.8	23.5	24.2	27.4	28.1	28.0	28.7	29.4
8H	4H	22.3	23.1	22.9	23.7	24.4	24.9	25.7	25.5	26.3	27.0
	6H	22.9	23.5	23.5	24.2	24.9	26.4	27.1	27.1	27.7	28.4
	8H	23.1	23.7	23.7	24.3	25.0	27.2	27.8	27.9	28.5	29.2
	12H	23.2	23.7	23.9	24.4	25.1	28.1	28.6	28.8	29.3	30.0
12H	4H	22.4	23.2	23.1	23.8	24.5	24.9	25.6	25.5	26.2	26.9
	6H	23.2	23.7	23.8	24.4	25.1	26.5	27.0	27.1	27.7	28.4
	8H	23.5	24.0	24.1	24.6	25.4	27.4	27.9	28.0	28.5	29.3

Maximum UGR = 30.0

POLAR GRAPH



Maximum Candela = 2268.768 Located At Horizontal Angle = 22.5, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)