



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM 13012869.01
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 01-19-2023
 [MANUFAC] H E Williams Inc
 [LUMCAT] MX2UD-4'-00-L4/835U-L12/835D-FW/F-EM10WLP-DIM-UNV
 [LUMINAIRE] Formed White aluminum housing,frosted plastic lens
 [LAMP] 144 White LEDs
 [BALLAST] One Philips Advance XI040C110V054BST1 Driver
 [OTHER] 24.6 C, 119.988 V, 0.225834 A, 26.9225 W, 0.993544 PF, 59.9999
 [MORE] 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	1120
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.18
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.96 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	6260	5729	5251
55	5522	5020	4546
65	4855	4367	3954
75	4003	3667	3404
85	2887	3105	3175

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	495.269	495.269	495.269	495.269	495.269
0.5	494.516	498.280	494.140	494.140	493.387
1.0	494.140	498.280	494.140	494.140	493.387
1.5	494.140	497.903	494.140	494.140	493.387
2.0	494.140	497.903	493.763	494.140	493.387
2.5	493.763	497.527	493.763	494.140	493.387
3.0	493.387	497.527	493.387	494.140	493.011
3.5	493.011	497.151	493.011	493.763	492.634
4.0	492.634	496.774	492.634	493.387	492.258
4.5	492.258	496.398	491.882	493.011	491.882
5.0	491.505	495.645	491.505	492.634	491.129
5.5	491.129	495.269	490.753	491.882	490.753
6.0	490.376	494.516	490.376	491.129	490.000
6.5	489.624	493.763	489.624	490.000	488.871
7.0	488.871	493.011	488.871	488.871	487.742
7.5	488.118	492.258	488.118	487.742	486.613
8.0	487.366	491.505	486.989	486.237	485.484
8.5	486.237	490.376	486.237	485.108	483.979
9.0	485.108	489.624	485.108	483.602	482.473
9.5	484.355	488.495	483.979	482.097	480.591
10.0	483.226	487.366	482.473	480.215	478.710
10.5	482.097	486.237	481.344	478.710	476.828
11.0	480.968	485.108	479.462	476.828	474.570
11.5	479.462	483.602	477.957	474.946	472.688
12.0	478.333	482.473	476.452	473.065	470.430
12.5	476.828	480.968	474.570	470.806	468.172
13.0	475.323	479.462	472.688	468.925	465.914
13.5	473.817	477.957	470.806	466.667	464.032
14.0	472.312	476.452	468.925	464.409	461.398
14.5	470.430	474.570	466.667	462.151	458.763
15.0	468.548	472.688	464.409	459.516	456.505
15.5	467.043	471.183	462.151	456.882	453.871
16.0	465.161	468.925	459.893	454.624	451.237
16.5	463.280	467.043	457.634	451.989	448.602
17.0	461.398	464.785	455.000	448.979	445.591
17.5	459.516	462.903	452.366	446.344	442.957
18.0	457.258	460.645	449.731	443.333	439.946
18.5	455.376	458.387	447.097	440.699	436.936
19.0	453.118	456.129	444.462	437.688	433.925
19.5	450.860	453.495	441.828	434.677	430.914
20.0	448.602	451.237	438.817	431.667	427.903
20.5	446.344	448.602	435.806	428.280	424.516
21.0	443.710	445.968	433.172	424.893	421.129
21.5	441.452	443.333	430.161	421.505	417.742
22.0	438.817	440.699	427.151	418.118	413.979
22.5	436.559	438.065	424.140	414.731	410.215
23.0	433.925	435.430	420.753	410.968	406.828
23.5	431.290	432.419	417.742	407.581	402.688
24.0	428.280	429.785	414.731	403.817	398.925
24.5	425.645	426.774	411.344	400.054	395.161
25.0	422.634	423.763	407.957	396.667	391.398
25.5	420.000	420.376	404.946	392.903	387.634
26.0	416.613	417.366	401.183	388.763	383.871
26.5	413.602	413.979	397.796	385.000	380.108

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27.0	410.215	410.968	394.409	381.613	376.306
27.5	407.204	407.581	390.645	377.849	372.430
28.0	403.817	404.194	387.258	373.747	368.704
28.5	400.430	400.806	383.495	370.022	364.903
29.0	397.043	397.043	379.731	366.258	361.177
29.5	392.903	393.656	375.892	362.382	357.151
30.0	389.516	389.893	372.054	358.694	353.199
30.5	386.129	386.129	368.065	354.667	349.247
31.0	382.366	382.366	364.038	350.790	345.333
31.5	378.602	378.602	360.011	346.688	341.118
32.0	374.952	374.726	355.984	342.548	337.054
32.5	371.226	370.586	351.882	338.333	333.065
33.0	367.500	366.597	347.780	334.118	328.774
33.5	363.699	362.495	343.640	329.828	324.710
34.0	359.860	358.355	339.349	325.538	320.269
34.5	355.984	354.177	335.247	321.172	315.979
35.0	352.220	350.075	330.995	316.731	311.575
35.5	348.269	345.973	326.704	312.441	306.984
36.0	344.242	341.683	322.527	307.925	302.355
36.5	340.516	337.505	318.199	303.409	297.500
37.0	336.414	333.328	313.758	298.893	292.683
37.5	332.349	329.151	309.392	294.339	287.903
38.0	328.398	324.898	304.952	289.785	283.124
38.5	324.296	320.758	300.586	285.081	279.134
39.0	320.118	316.581	296.296	280.753	275.220
39.5	315.941	312.441	291.968	277.102	270.667
40.0	311.688	308.339	287.602	272.962	266.226
40.5	307.511	304.199	283.387	268.522	261.936
41.0	303.409	300.134	280.075	264.231	257.796
41.5	299.194	296.032	276.086	260.091	253.769
42.0	295.054	291.855	272.360	256.027	249.892
42.5	290.839	287.753	268.258	252.151	246.129
43.0	286.774	283.575	264.306	248.349	242.479
43.5	282.860	280.339	260.393	244.624	238.866
44.0	279.436	276.613	256.554	240.973	235.328
44.5	276.161	272.661	252.753	237.360	231.753
45.0	272.059	268.785	248.989	233.823	228.215
45.5	268.070	264.720	245.263	230.285	224.715
46.0	264.081	260.694	241.575	226.785	221.177
46.5	260.129	256.704	237.925	223.247	217.715
47.0	256.140	252.790	234.274	219.747	214.215
47.5	252.188	248.876	230.586	216.172	210.715
48.0	248.312	244.962	226.898	212.634	207.253
48.5	244.473	241.086	223.172	209.134	203.790
49.0	240.634	237.210	219.446	205.634	200.366
49.5	236.796	233.409	215.683	202.172	196.979
50.0	232.957	229.570	211.995	198.710	193.591
50.5	229.118	225.731	208.306	195.285	190.242
51.0	225.280	221.930	204.656	191.898	186.892
51.5	221.366	218.129	201.043	188.473	183.543
52.0	217.527	214.253	197.468	185.086	180.194
52.5	213.651	210.489	194.005	181.699	176.882
53.0	209.849	206.726	190.543	178.349	173.532
53.5	206.048	203.000	187.156	175.000	170.183
54.0	202.247	199.312	183.731	171.651	166.871
54.5	198.446	195.661	180.344	168.301	163.559

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55.0	194.683	192.011	176.995	164.989	160.285
55.5	190.995	188.398	173.645	161.715	157.048
56.0	187.344	184.747	170.296	158.516	153.849
56.5	183.731	181.134	166.946	155.317	150.763
57.0	180.194	177.559	163.559	152.156	147.715
57.5	176.656	174.059	160.210	149.032	144.704
58.0	173.194	170.597	156.860	145.909	141.731
58.5	169.731	167.134	153.548	142.823	138.758
59.0	166.269	163.710	150.312	139.774	135.823
59.5	162.844	160.285	147.038	136.801	132.925
60.0	159.495	156.860	143.801	133.866	130.065
60.5	156.108	153.473	140.640	130.930	127.167
61.0	152.758	150.124	137.516	128.032	124.344
61.5	149.371	146.849	134.392	125.134	121.559
62.0	146.022	143.575	131.306	122.312	118.849
62.5	142.672	140.339	128.258	119.527	116.102
63.0	139.360	137.065	125.247	116.742	113.392
63.5	136.048	133.790	122.274	113.957	110.720
64.0	132.737	130.516	119.301	111.247	108.048
64.5	129.425	127.242	116.366	108.500	105.376
65.0	126.113	124.005	113.430	105.790	102.704
65.5	122.839	120.806	110.532	103.043	100.070
66.0	119.565	117.608	107.634	100.333	97.586
66.5	116.290	114.446	104.737	97.624	94.952
67.0	113.091	111.210	101.839	94.914	92.355
67.5	109.855	108.011	98.941	92.242	89.720
68.0	106.618	104.812	96.081	89.570	87.161
68.5	103.419	101.651	93.183	86.935	84.602
69.0	100.220	98.527	90.323	84.339	82.081
69.5	96.984	95.403	87.462	81.742	79.559
70.0	93.860	92.280	84.677	79.183	77.113
70.5	90.737	89.194	81.892	76.661	74.667
71.0	87.613	86.070	79.145	74.140	72.258
71.5	84.565	83.059	76.398	71.694	69.887
72.0	81.516	80.048	73.688	69.247	67.554
72.5	78.505	77.113	71.054	66.839	65.258
73.0	75.495	74.177	68.457	64.468	62.962
73.5	72.484	71.280	65.860	62.097	60.704
74.0	69.511	68.382	63.301	59.763	58.484
74.5	66.575	65.522	60.817	57.505	56.301
75.0	63.677	62.737	58.333	55.247	54.156
75.5	60.817	59.952	55.887	53.027	52.048
76.0	57.957	57.280	53.441	50.806	49.941
76.5	55.172	54.570	51.070	48.624	47.871
77.0	52.387	51.935	48.699	46.516	45.839
77.5	49.677	49.301	46.441	44.409	43.806
78.0	47.005	46.742	44.183	42.376	41.812
78.5	44.371	44.220	41.962	40.344	39.855
79.0	41.812	41.737	39.817	38.387	37.935
79.5	39.253	39.366	37.672	36.430	36.054
80.0	36.806	37.032	35.527	34.473	34.172
80.5	34.398	34.737	33.495	32.591	32.328
81.0	32.065	32.478	31.500	30.710	30.522
81.5	29.769	30.296	29.468	28.866	28.715
82.0	27.548	28.113	27.548	27.059	26.984
82.5	25.366	26.005	25.591	25.290	25.215

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83.0	23.296	23.935	23.710	23.559	23.522
83.5	21.226	21.941	21.866	21.828	21.828
84.0	19.269	20.022	20.059	20.134	20.210
84.5	17.349	18.140	18.328	18.516	18.591
85.0	15.468	16.296	16.634	16.898	17.011
85.5	13.699	14.527	14.978	15.317	15.505
86.0	11.968	12.796	13.360	13.774	13.962
86.5	10.312	11.177	11.780	12.269	12.532
87.0	8.694	9.559	10.237	10.801	11.102
87.5	7.113	8.016	8.769	9.371	9.672
88.0	5.570	6.511	7.301	7.941	8.317
88.5	4.065	5.005	5.833	6.586	7.000
89.0	2.522	3.462	4.328	5.005	5.419
89.5	1.016	1.882	2.446	2.747	3.011
90.0	0.226	0.866	1.317	1.694	1.844
90.5	0.000	0.000	0.000	0.000	0.000
91.0	0.000	0.000	0.000	0.000	0.000
91.5	0.000	0.000	0.000	0.000	0.000
92.0	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000
93.0	0.000	0.000	0.000	0.000	0.000
93.5	0.000	0.000	0.000	0.000	0.000
94.0	0.000	0.000	0.000	0.000	0.000
94.5	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000
95.5	0.000	0.000	0.000	0.000	0.000
96.0	0.000	0.000	0.000	0.000	0.000
96.5	0.000	0.000	0.000	0.000	0.000
97.0	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000
98.0	0.000	0.000	0.000	0.000	0.000
98.5	0.000	0.000	0.000	0.000	0.000
99.0	0.000	0.000	0.000	0.000	0.000
99.5	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000
100.5	0.000	0.000	0.000	0.000	0.000
101.0	0.000	0.000	0.000	0.000	0.000
101.5	0.000	0.000	0.000	0.000	0.000
102.0	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000
103.0	0.000	0.000	0.000	0.000	0.000
103.5	0.000	0.000	0.000	0.000	0.000
104.0	0.000	0.000	0.000	0.000	0.000
104.5	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000
105.5	0.000	0.000	0.000	0.000	0.000
106.0	0.000	0.000	0.000	0.000	0.000
106.5	0.000	0.000	0.000	0.000	0.000
107.0	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000
108.0	0.000	0.000	0.000	0.000	0.000
108.5	0.000	0.000	0.000	0.000	0.000
109.0	0.000	0.000	0.000	0.000	0.000
109.5	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000
110.5	0.000	0.000	0.000	0.000	0.000

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111.0	0.000	0.000	0.000	0.000	0.000
111.5	0.000	0.000	0.000	0.000	0.000
112.0	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000
113.0	0.000	0.000	0.000	0.000	0.000
113.5	0.000	0.000	0.000	0.000	0.000
114.0	0.000	0.000	0.000	0.000	0.000
114.5	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000
115.5	0.000	0.000	0.000	0.000	0.000
116.0	0.000	0.000	0.000	0.000	0.000
116.5	0.000	0.000	0.000	0.000	0.000
117.0	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000
118.0	0.000	0.000	0.000	0.000	0.000
118.5	0.000	0.000	0.000	0.000	0.000
119.0	0.000	0.000	0.000	0.000	0.000
119.5	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000
120.5	0.000	0.000	0.000	0.000	0.000
121.0	0.000	0.000	0.000	0.000	0.000
121.5	0.000	0.000	0.000	0.000	0.000
122.0	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000
123.0	0.000	0.000	0.000	0.000	0.000
123.5	0.000	0.000	0.000	0.000	0.000
124.0	0.000	0.000	0.000	0.000	0.000
124.5	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000
125.5	0.000	0.000	0.000	0.000	0.000
126.0	0.000	0.000	0.000	0.000	0.000
126.5	0.000	0.000	0.000	0.000	0.000
127.0	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000
128.0	0.000	0.000	0.000	0.000	0.000
128.5	0.000	0.000	0.000	0.000	0.000
129.0	0.000	0.000	0.000	0.000	0.000
129.5	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000
130.5	0.000	0.000	0.000	0.000	0.000
131.0	0.000	0.000	0.000	0.000	0.000
131.5	0.000	0.000	0.000	0.000	0.000
132.0	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000
133.0	0.000	0.000	0.000	0.000	0.000
133.5	0.000	0.000	0.000	0.000	0.000
134.0	0.000	0.000	0.000	0.000	0.000
134.5	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000
135.5	0.000	0.000	0.000	0.000	0.000
136.0	0.000	0.000	0.000	0.000	0.000
136.5	0.000	0.000	0.000	0.000	0.000
137.0	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000
138.0	0.000	0.000	0.000	0.000	0.000
138.5	0.000	0.000	0.000	0.000	0.000

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139.0	0.000	0.000	0.000	0.000	0.000
139.5	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000
140.5	0.000	0.000	0.000	0.000	0.000
141.0	0.000	0.000	0.000	0.000	0.000
141.5	0.000	0.000	0.000	0.000	0.000
142.0	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000
143.0	0.000	0.000	0.000	0.000	0.000
143.5	0.000	0.000	0.000	0.000	0.000
144.0	0.000	0.000	0.000	0.000	0.000
144.5	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000
145.5	0.000	0.000	0.000	0.000	0.000
146.0	0.000	0.000	0.000	0.000	0.000
146.5	0.000	0.000	0.000	0.000	0.000
147.0	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000
148.0	0.000	0.000	0.000	0.000	0.000
148.5	0.000	0.000	0.000	0.000	0.000
149.0	0.000	0.000	0.000	0.000	0.000
149.5	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000
150.5	0.000	0.000	0.000	0.000	0.000
151.0	0.000	0.000	0.000	0.000	0.000
151.5	0.000	0.000	0.000	0.000	0.000
152.0	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000
153.0	0.000	0.000	0.000	0.000	0.000
153.5	0.000	0.000	0.000	0.000	0.000
154.0	0.000	0.000	0.000	0.000	0.000
154.5	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000
155.5	0.000	0.000	0.000	0.000	0.000
156.0	0.000	0.000	0.000	0.000	0.000
156.5	0.000	0.000	0.000	0.000	0.000
157.0	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000
158.0	0.000	0.000	0.000	0.000	0.000
158.5	0.000	0.000	0.000	0.000	0.000
159.0	0.000	0.000	0.000	0.000	0.000
159.5	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000
160.5	0.000	0.000	0.000	0.000	0.000
161.0	0.000	0.000	0.000	0.000	0.000
161.5	0.000	0.000	0.000	0.000	0.000
162.0	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000
163.0	0.000	0.000	0.000	0.000	0.000
163.5	0.000	0.000	0.000	0.000	0.000
164.0	0.000	0.000	0.000	0.000	0.000
164.5	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000
165.5	0.000	0.000	0.000	0.000	0.000
166.0	0.000	0.000	0.000	0.000	0.000
166.5	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

167.0	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000
168.0	0.000	0.000	0.000	0.000	0.000
168.5	0.000	0.000	0.000	0.000	0.000
169.0	0.000	0.000	0.000	0.000	0.000
169.5	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000
170.5	0.000	0.000	0.000	0.000	0.000
171.0	0.000	0.000	0.000	0.000	0.000
171.5	0.000	0.000	0.000	0.000	0.000
172.0	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000
173.0	0.000	0.000	0.000	0.000	0.000
173.5	0.000	0.000	0.000	0.000	0.000
174.0	0.000	0.000	0.000	0.000	0.000
174.5	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000
175.5	0.000	0.000	0.000	0.000	0.000
176.0	0.000	0.000	0.000	0.000	0.000
176.5	0.000	0.000	0.000	0.000	0.000
177.0	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000
178.0	0.000	0.000	0.000	0.000	0.000
178.5	0.000	0.000	0.000	0.000	0.000
179.0	0.000	0.000	0.000	0.000	0.000
179.5	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	177.51	N.A.	15.80
0-30	365.41	N.A.	32.60
0-40	572.84	N.A.	51.10
0-60	925.43	N.A.	82.60
0-80	1101.41	N.A.	98.30
0-90	1120.13	N.A.	100.00
10-90	1073.41	N.A.	95.80
20-40	395.33	N.A.	35.30
20-50	588.59	N.A.	52.50
40-70	465.97	N.A.	41.60
60-80	175.99	N.A.	15.70
70-80	62.60	N.A.	5.60
80-90	18.72	N.A.	1.70
90-110	0.03	N.A.	0.00
90-120	0.03	N.A.	0.00
90-130	0.03	N.A.	0.00
90-150	0.03	N.A.	0.00
90-180	0.03	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1120.17	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.73
10-20	130.78
20-30	187.90
30-40	207.43
40-50	193.26
50-60	159.33
60-70	113.38
70-80	62.60
80-90	18.72
90-100	0.03
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	54	46	40	52	45	40	51	44	39	49	43	39	37
8	63	50	42	36	61	49	41	36	48	41	36	47	40	35	45	40	35	33
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	39	33	29	28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.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	17.8	19.4	18.2	19.7	20.0	16.7	18.3	17.1	18.6	18.9
	3H	19.5	20.9	19.9	21.2	21.6	18.3	19.7	18.7	20.1	20.4
	4H	20.1	21.4	20.5	21.8	22.1	18.9	20.2	19.3	20.6	21.0
	6H	20.5	21.7	20.9	22.1	22.5	19.4	20.6	19.8	21.0	21.4
	8H	20.6	21.8	21.0	22.2	22.6	19.6	20.7	20.0	21.1	21.5
	12H	20.7	21.8	21.1	22.2	22.6	19.7	20.8	20.1	21.2	21.6

UGR Viewed Endwise

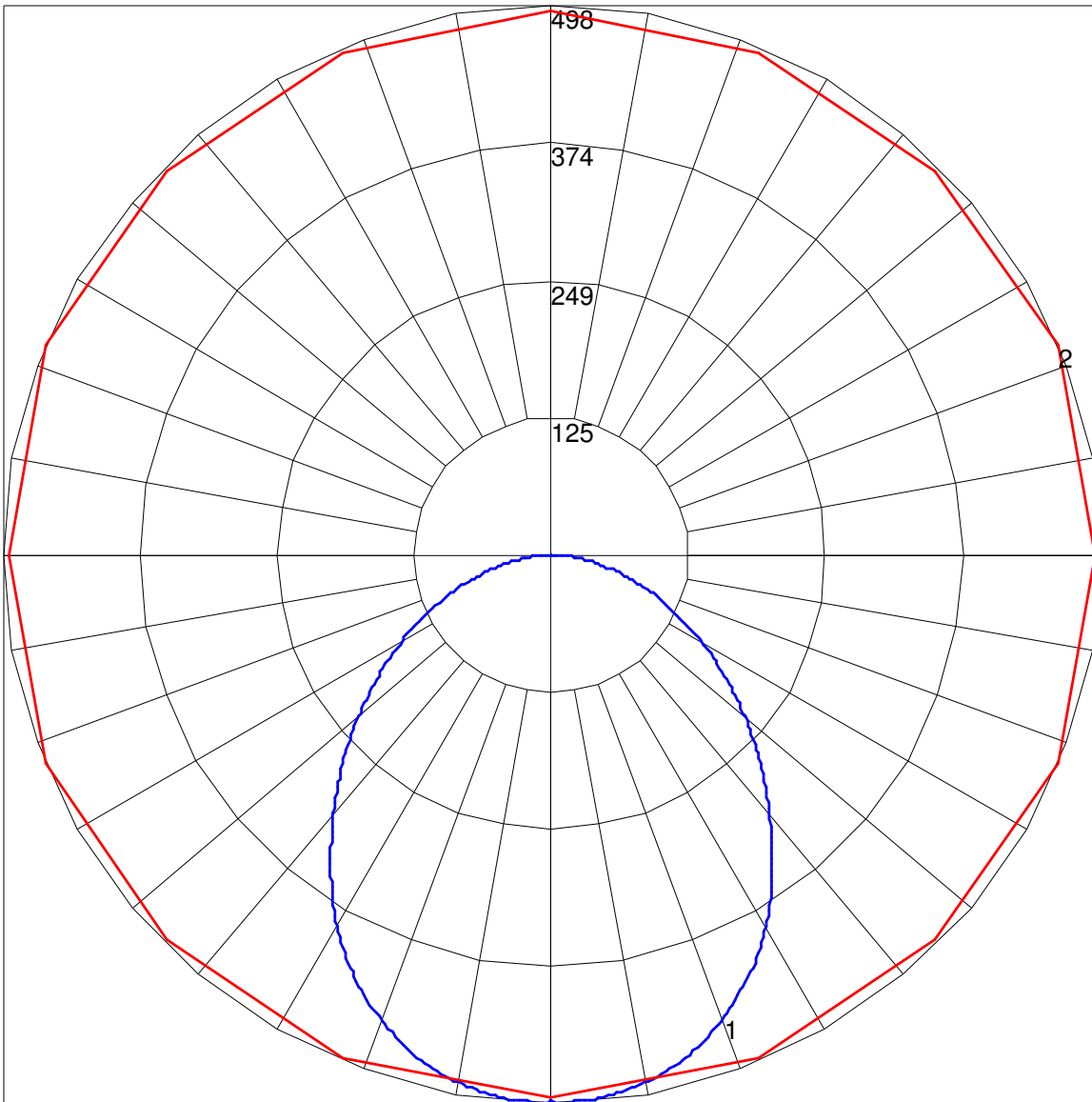
4H	2H	18.3	19.6	18.7	20.0	20.3	17.4	18.7	17.8	19.1	19.4
	3H	20.2	21.3	20.6	21.7	22.1	19.2	20.3	19.6	20.7	21.1
	4H	20.9	21.9	21.3	22.3	22.7	19.9	20.9	20.3	21.3	21.8
	6H	21.4	22.3	21.9	22.8	23.2	20.5	21.4	21.0	21.8	22.3
	8H	21.6	22.4	22.1	22.9	23.3	20.7	21.5	21.2	22.0	22.5
	12H	21.7	22.5	22.2	22.9	23.4	20.9	21.6	21.4	22.1	22.6
8H	4H	21.1	21.9	21.6	22.4	22.8	20.2	21.1	20.7	21.5	22.0
	6H	21.8	22.5	22.3	22.9	23.4	21.0	21.6	21.5	22.1	22.6
	8H	22.0	22.6	22.5	23.1	23.6	21.3	21.9	21.8	22.4	22.9
	12H	22.2	22.8	22.7	23.3	23.8	21.5	22.1	22.0	22.6	23.1
12H	4H	21.1	21.9	21.6	22.3	22.8	20.3	21.0	20.8	21.5	22.0
	6H	21.8	22.4	22.3	22.9	23.4	21.0	21.7	21.6	22.1	22.7
	8H	22.1	22.7	22.6	23.1	23.7	21.4	21.9	21.9	22.4	23.0

Maximum UGR = 23.8

IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2UD-4-00-L4-835U-L12-835D-FW-F-EM10WLP-DIM-UNV_EMER MODE ONLY.IES

POLAR GRAPH



Maximum Candela = 498.28 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.)