

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]GEN FROM 13012869.07  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 10-03-2025  
[MANUFAC] H E Williams Inc  
[LUMCAT] MX2U-4'00-L4-835-FW-(L3)-EM10W-DIM-UNV EMER MODE ONLY  
[LUMINAIRE] Formed White aluminum housing, lens  
[LAMP] 144 White LEDs

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 1190            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 119             |
| Total Luminaire Watts           | 10              |
| 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)         | 3.96 ft         |
| Luminous Width (90-270)         | 0.17 ft         |
| Luminous Height                 | 0.00 ft         |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 0                | 0                 | 0                 |
| 55                  | 0                | 0                 | 0                 |
| 65                  | 0                | 0                 | 0                 |
| 75                  | 0                | 0                 | 0                 |
| 85                  | 0                | 0                 | 0                 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION**

|             | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
|-------------|------------|-------------|-------------|-------------|-------------|
| <b>0.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>0.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>1.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>1.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>2.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>2.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>3.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>3.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>4.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>4.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>5.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>5.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>6.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>6.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>7.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>7.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>8.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>8.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>9.0</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>9.5</b>  | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>10.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>10.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>11.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>11.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>12.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>12.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>13.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>13.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>14.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>14.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>15.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>15.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>16.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>16.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>17.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>17.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>18.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>18.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>19.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>19.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>20.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>20.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>21.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>21.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>22.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>22.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>23.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>23.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>24.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>24.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>25.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>25.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>26.0</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |
| <b>26.5</b> | 0.000      | 0.000       | 0.000       | 0.000       | 0.000       |

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|      |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|
| 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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|      |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|
| 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 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES****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  | 2.090  | 2.343  | 2.343  | 2.523  | 2.595  |
| 90.5  | 2.919  | 2.991  | 2.775  | 2.955  | 3.027  |
| 91.0  | 3.820  | 3.784  | 3.243  | 3.352  | 3.424  |
| 91.5  | 5.442  | 4.685  | 3.748  | 3.784  | 3.820  |
| 92.0  | 7.100  | 5.586  | 4.433  | 4.289  | 4.289  |
| 92.5  | 8.793  | 6.595  | 5.190  | 4.865  | 4.829  |
| 93.0  | 10.559 | 7.784  | 6.055  | 5.514  | 5.514  |
| 93.5  | 12.289 | 9.118  | 7.028  | 6.379  | 6.235  |
| 94.0  | 14.019 | 10.667 | 8.109  | 7.316  | 7.100  |
| 94.5  | 15.785 | 12.109 | 9.226  | 8.289  | 8.001  |
| 95.0  | 17.551 | 13.551 | 10.415 | 9.262  | 8.974  |
| 95.5  | 19.317 | 15.100 | 11.641 | 10.235 | 9.947  |
| 96.0  | 21.047 | 16.650 | 12.902 | 11.208 | 10.884 |
| 96.5  | 22.776 | 18.416 | 14.199 | 12.217 | 11.785 |
| 97.0  | 24.578 | 20.110 | 15.497 | 13.226 | 12.650 |
| 97.5  | 26.380 | 21.839 | 16.902 | 14.307 | 13.623 |
| 98.0  | 28.038 | 23.641 | 18.344 | 15.425 | 14.668 |
| 98.5  | 29.876 | 25.660 | 20.001 | 16.686 | 15.749 |
| 99.0  | 31.642 | 27.498 | 22.020 | 17.947 | 16.866 |
| 99.5  | 33.408 | 29.336 | 23.641 | 19.281 | 18.019 |
| 100.0 | 35.102 | 31.210 | 25.299 | 20.578 | 19.245 |
| 100.5 | 36.832 | 33.156 | 27.101 | 21.875 | 20.542 |
| 101.0 | 38.922 | 35.102 | 28.759 | 23.281 | 21.912 |
| 101.5 | 40.652 | 37.012 | 30.417 | 24.795 | 23.281 |
| 102.0 | 42.382 | 39.210 | 32.038 | 26.669 | 24.759 |
| 102.5 | 44.147 | 41.517 | 33.516 | 28.939 | 26.272 |
| 103.0 | 46.093 | 43.787 | 35.102 | 30.957 | 27.894 |
| 103.5 | 47.931 | 46.238 | 36.723 | 33.047 | 29.840 |
| 104.0 | 49.805 | 48.688 | 38.345 | 34.958 | 32.651 |
| 104.5 | 52.148 | 50.815 | 39.895 | 36.687 | 34.922 |
| 105.0 | 54.166 | 52.797 | 41.841 | 38.309 | 36.615 |
| 105.5 | 56.256 | 54.995 | 43.715 | 40.075 | 38.381 |
| 106.0 | 58.455 | 57.229 | 45.409 | 41.913 | 40.255 |
| 106.5 | 60.689 | 59.392 | 47.427 | 43.643 | 42.057 |
| 107.0 | 62.924 | 61.770 | 49.481 | 45.373 | 43.823 |
| 107.5 | 64.978 | 64.113 | 51.607 | 47.211 | 45.625 |
| 108.0 | 67.104 | 66.527 | 53.373 | 48.941 | 47.571 |
| 108.5 | 69.338 | 69.230 | 55.175 | 50.634 | 49.409 |
| 109.0 | 71.681 | 72.113 | 57.229 | 52.472 | 51.175 |
| 109.5 | 74.132 | 74.960 | 59.320 | 54.707 | 53.193 |
| 110.0 | 76.907 | 77.699 | 61.590 | 57.193 | 54.959 |
| 110.5 | 79.718 | 80.619 | 63.897 | 59.392 | 57.049 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 111.0 | 82.745  | 83.862  | 66.347  | 61.662  | 59.428  |
| 111.5 | 85.952  | 86.997  | 69.014  | 63.825  | 62.347  |
| 112.0 | 89.412  | 90.025  | 71.933  | 66.023  | 65.266  |
| 112.5 | 93.016  | 93.088  | 75.033  | 68.365  | 67.573  |
| 113.0 | 96.259  | 96.295  | 78.672  | 70.780  | 70.239  |
| 113.5 | 99.611  | 99.683  | 82.529  | 72.978  | 72.834  |
| 114.0 | 103.143 | 103.179 | 86.601  | 75.393  | 75.249  |
| 114.5 | 106.819 | 106.602 | 90.709  | 77.880  | 77.808  |
| 115.0 | 110.639 | 110.062 | 94.746  | 80.619  | 80.330  |
| 115.5 | 114.459 | 113.738 | 98.818  | 83.466  | 82.384  |
| 116.0 | 118.243 | 117.594 | 102.818 | 86.169  | 84.943  |
| 116.5 | 122.099 | 121.486 | 106.747 | 89.196  | 87.718  |
| 117.0 | 126.316 | 125.559 | 110.603 | 92.511  | 90.673  |
| 117.5 | 130.676 | 129.739 | 114.783 | 96.187  | 93.701  |
| 118.0 | 135.145 | 134.172 | 119.360 | 99.899  | 96.836  |
| 118.5 | 139.722 | 138.749 | 124.153 | 103.755 | 100.079 |
| 119.0 | 144.443 | 143.434 | 128.874 | 108.008 | 103.575 |
| 119.5 | 149.236 | 148.227 | 133.595 | 112.837 | 107.359 |
| 120.0 | 154.138 | 153.128 | 138.353 | 117.991 | 111.288 |
| 120.5 | 159.147 | 158.030 | 143.398 | 123.397 | 115.504 |
| 121.0 | 164.264 | 163.219 | 148.804 | 128.658 | 120.117 |
| 121.5 | 169.454 | 168.373 | 154.354 | 134.100 | 125.054 |
| 122.0 | 174.716 | 173.382 | 159.904 | 139.434 | 130.496 |
| 122.5 | 180.049 | 178.644 | 165.670 | 144.587 | 136.190 |
| 123.0 | 185.455 | 183.978 | 171.796 | 149.705 | 141.884 |
| 123.5 | 190.861 | 189.419 | 178.139 | 154.858 | 147.687 |
| 124.0 | 196.195 | 194.897 | 184.374 | 160.300 | 153.056 |
| 124.5 | 201.528 | 200.447 | 190.573 | 166.066 | 158.498 |
| 125.0 | 207.042 | 206.105 | 196.879 | 172.157 | 164.120 |
| 125.5 | 212.917 | 211.763 | 203.258 | 178.247 | 169.778 |
| 126.0 | 218.683 | 217.566 | 209.745 | 184.266 | 175.617 |
| 126.5 | 224.485 | 223.332 | 216.088 | 190.501 | 181.599 |
| 127.0 | 230.359 | 229.026 | 222.359 | 196.879 | 187.473 |
| 127.5 | 236.306 | 234.756 | 228.521 | 203.438 | 193.528 |
| 128.0 | 242.144 | 240.522 | 234.648 | 209.781 | 200.051 |
| 128.5 | 247.802 | 246.252 | 240.666 | 215.944 | 206.754 |
| 129.0 | 253.532 | 252.055 | 246.505 | 222.179 | 213.313 |
| 129.5 | 259.118 | 257.857 | 252.307 | 228.954 | 219.908 |
| 130.0 | 264.488 | 263.659 | 257.929 | 236.053 | 226.539 |
| 130.5 | 269.786 | 269.461 | 263.515 | 243.153 | 233.134 |
| 131.0 | 275.011 | 275.192 | 269.173 | 250.073 | 240.162 |
| 131.5 | 280.309 | 280.922 | 274.759 | 256.920 | 247.045 |
| 132.0 | 285.607 | 286.544 | 280.093 | 264.092 | 254.001 |
| 132.5 | 290.976 | 291.950 | 285.390 | 271.407 | 261.136 |
| 133.0 | 296.130 | 297.139 | 290.652 | 278.147 | 268.416 |
| 133.5 | 301.067 | 302.293 | 296.022 | 284.417 | 275.732 |
| 134.0 | 305.933 | 307.302 | 301.320 | 290.364 | 283.120 |
| 134.5 | 310.762 | 312.347 | 306.473 | 296.382 | 290.039 |
| 135.0 | 315.555 | 317.393 | 311.663 | 302.112 | 296.887 |
| 135.5 | 320.276 | 322.258 | 316.852 | 307.590 | 303.590 |
| 136.0 | 324.997 | 326.943 | 321.934 | 312.780 | 309.933 |
| 136.5 | 329.610 | 331.448 | 326.799 | 317.753 | 315.807 |
| 137.0 | 334.043 | 335.737 | 331.448 | 322.979 | 321.249 |
| 137.5 | 338.439 | 339.917 | 336.061 | 328.168 | 326.475 |
| 138.0 | 342.656 | 344.098 | 340.602 | 333.178 | 331.592 |
| 138.5 | 346.800 | 348.170 | 345.107 | 337.863 | 336.565 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 139.0 | 350.729 | 352.098 | 349.323 | 342.187 | 341.286 |
| 139.5 | 354.405 | 355.846 | 353.287 | 346.332 | 345.827 |
| 140.0 | 358.117 | 359.522 | 357.180 | 350.332 | 350.296 |
| 140.5 | 361.829 | 363.270 | 361.108 | 354.260 | 354.657 |
| 141.0 | 365.432 | 366.514 | 365.072 | 358.117 | 358.801 |
| 141.5 | 369.036 | 370.117 | 368.676 | 362.189 | 362.549 |
| 142.0 | 372.280 | 373.721 | 372.280 | 366.153 | 366.514 |
| 142.5 | 375.163 | 376.965 | 375.523 | 370.117 | 370.117 |
| 143.0 | 378.406 | 380.208 | 379.127 | 373.721 | 373.721 |
| 143.5 | 381.650 | 383.452 | 382.371 | 377.325 | 377.325 |
| 144.0 | 384.893 | 386.695 | 385.974 | 380.929 | 380.929 |
| 144.5 | 387.776 | 389.578 | 389.218 | 384.533 | 384.533 |
| 145.0 | 391.020 | 392.461 | 392.101 | 387.776 | 388.137 |
| 145.5 | 393.903 | 394.984 | 394.984 | 391.380 | 391.741 |
| 146.0 | 396.786 | 397.867 | 398.228 | 394.984 | 395.345 |
| 146.5 | 399.669 | 400.750 | 401.471 | 398.228 | 398.588 |
| 147.0 | 402.192 | 403.633 | 403.994 | 401.832 | 402.192 |
| 147.5 | 404.715 | 406.156 | 406.877 | 405.075 | 405.435 |
| 148.0 | 407.237 | 408.679 | 409.760 | 408.318 | 408.679 |
| 148.5 | 409.760 | 411.202 | 412.283 | 411.202 | 411.922 |
| 149.0 | 412.283 | 413.364 | 414.805 | 414.085 | 415.166 |
| 149.5 | 414.445 | 415.887 | 417.328 | 416.968 | 418.409 |
| 150.0 | 416.607 | 418.409 | 419.490 | 419.490 | 421.292 |
| 150.5 | 419.130 | 420.932 | 422.013 | 422.374 | 424.536 |
| 151.0 | 421.292 | 423.455 | 424.175 | 424.896 | 427.059 |
| 151.5 | 423.455 | 425.617 | 426.698 | 427.419 | 429.942 |
| 152.0 | 425.617 | 428.140 | 428.861 | 429.942 | 432.104 |
| 152.5 | 428.140 | 430.302 | 430.662 | 432.104 | 434.627 |
| 153.0 | 430.302 | 432.464 | 432.825 | 434.266 | 436.789 |
| 153.5 | 432.464 | 434.627 | 434.627 | 436.068 | 438.951 |
| 154.0 | 434.627 | 436.789 | 436.789 | 438.231 | 440.753 |
| 154.5 | 436.429 | 438.951 | 438.591 | 440.033 | 442.916 |
| 155.0 | 438.591 | 441.114 | 440.393 | 441.834 | 444.718 |
| 155.5 | 440.753 | 442.916 | 442.195 | 443.636 | 446.159 |
| 156.0 | 442.916 | 445.078 | 443.997 | 445.438 | 447.961 |
| 156.5 | 445.078 | 446.880 | 445.799 | 446.880 | 449.403 |
| 157.0 | 447.240 | 448.682 | 447.601 | 448.682 | 450.844 |
| 157.5 | 449.042 | 450.484 | 449.403 | 450.484 | 452.286 |
| 158.0 | 451.205 | 451.925 | 451.205 | 451.925 | 453.727 |
| 158.5 | 453.006 | 453.727 | 452.646 | 453.727 | 455.169 |
| 159.0 | 454.448 | 455.169 | 454.448 | 455.169 | 456.610 |
| 159.5 | 456.250 | 456.971 | 456.250 | 456.610 | 458.412 |
| 160.0 | 457.691 | 458.412 | 457.691 | 458.052 | 459.854 |
| 160.5 | 458.773 | 459.493 | 459.133 | 459.493 | 461.656 |
| 161.0 | 460.214 | 460.935 | 460.935 | 460.935 | 463.097 |
| 161.5 | 461.656 | 462.377 | 462.377 | 462.377 | 464.899 |
| 162.0 | 463.097 | 463.458 | 463.818 | 464.178 | 466.341 |
| 162.5 | 464.539 | 464.899 | 465.260 | 465.620 | 468.143 |
| 163.0 | 465.620 | 465.980 | 466.701 | 467.062 | 469.584 |
| 163.5 | 467.062 | 467.062 | 467.782 | 468.143 | 471.026 |
| 164.0 | 468.143 | 468.503 | 468.863 | 469.584 | 472.467 |
| 164.5 | 469.224 | 469.584 | 470.305 | 470.665 | 473.909 |
| 165.0 | 470.305 | 470.665 | 471.026 | 472.107 | 474.990 |
| 165.5 | 471.026 | 471.747 | 472.107 | 473.188 | 476.071 |
| 166.0 | 472.107 | 472.828 | 472.828 | 474.269 | 477.513 |
| 166.5 | 473.188 | 473.549 | 473.549 | 474.990 | 478.234 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES****CANDELA TABULATION - (Cont.)**

|       |         |         |         |         |         |
|-------|---------|---------|---------|---------|---------|
| 167.0 | 474.269 | 474.630 | 474.630 | 475.711 | 479.315 |
| 167.5 | 474.990 | 475.350 | 475.350 | 476.792 | 480.035 |
| 168.0 | 476.071 | 476.432 | 476.071 | 477.513 | 480.756 |
| 168.5 | 476.792 | 477.152 | 476.432 | 478.234 | 481.477 |
| 169.0 | 477.873 | 477.873 | 477.152 | 478.594 | 482.198 |
| 169.5 | 478.594 | 478.594 | 477.873 | 478.954 | 482.558 |
| 170.0 | 479.315 | 479.315 | 478.594 | 479.675 | 482.919 |
| 170.5 | 480.035 | 480.035 | 478.954 | 480.035 | 483.279 |
| 171.0 | 480.756 | 480.756 | 479.675 | 480.396 | 483.639 |
| 171.5 | 481.477 | 481.117 | 480.035 | 480.396 | 484.000 |
| 172.0 | 481.837 | 481.837 | 480.396 | 480.756 | 484.360 |
| 172.5 | 482.558 | 482.198 | 480.756 | 481.117 | 484.360 |
| 173.0 | 482.919 | 482.558 | 481.117 | 481.117 | 484.721 |
| 173.5 | 483.639 | 483.279 | 481.117 | 481.477 | 484.721 |
| 174.0 | 484.000 | 483.639 | 481.477 | 481.837 | 484.721 |
| 174.5 | 484.360 | 483.639 | 481.837 | 481.837 | 485.081 |
| 175.0 | 484.721 | 484.000 | 481.837 | 481.837 | 485.081 |
| 175.5 | 485.081 | 484.360 | 482.198 | 482.198 | 485.081 |
| 176.0 | 485.081 | 484.360 | 482.198 | 482.198 | 485.081 |
| 176.5 | 485.441 | 484.721 | 482.198 | 482.198 | 485.081 |
| 177.0 | 485.441 | 484.721 | 482.558 | 482.558 | 485.081 |
| 177.5 | 485.802 | 484.721 | 482.558 | 482.558 | 485.081 |
| 178.0 | 485.802 | 484.721 | 482.558 | 482.558 | 485.081 |
| 178.5 | 485.802 | 485.081 | 482.558 | 482.558 | 485.081 |
| 179.0 | 485.802 | 485.081 | 482.919 | 482.558 | 485.081 |
| 179.5 | 485.802 | 485.081 | 482.919 | 482.558 | 485.081 |
| 180.0 | 484.000 | 484.000 | 484.000 | 484.000 | 484.000 |

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.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    | 0.07    | N.A.  | 0.00   |
| 10-90   | 0.07    | 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   | 0.07    | N.A.  | 0.00   |
| 90-110  | 60.76   | N.A.  | 5.10   |
| 90-120  | 156.40  | N.A.  | 13.10  |
| 90-130  | 326.93  | N.A.  | 27.50  |
| 90-150  | 807.47  | N.A.  | 67.90  |
| 90-180  | 1189.87 | N.A.  | 100.00 |
| 110-180 | 1129.11 | N.A.  | 94.90  |
| 0-180   | 1189.94 | 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   | 0.07   |
| 90-100  | 13.49  |
| 100-110 | 47.28  |
| 110-120 | 95.63  |
| 120-130 | 170.53 |
| 130-140 | 236.70 |
| 140-150 | 243.85 |
| 150-160 | 203.30 |
| 160-170 | 133.08 |
| 170-180 | 46.02  |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

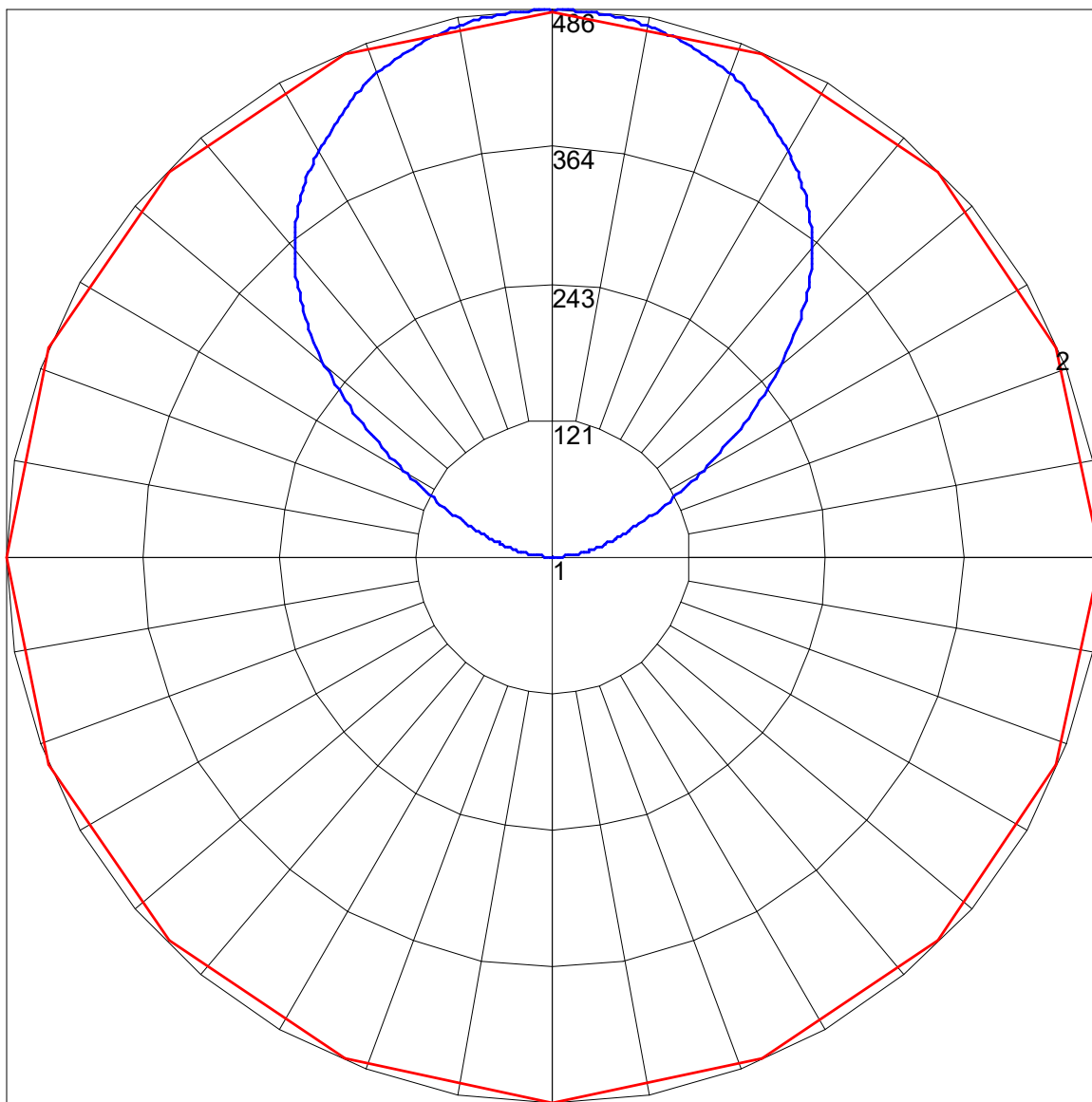
Effective Floor Cavity Reflectance 0.20

| 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  | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 0 |
| 1  | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9  | 9  | 8  | 0 |
| 2  | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8  | 7  | 7  | 0 |
| 3  | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7  | 6  | 6  | 0 |
| 4  | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6  | 6  | 5  | 0 |
| 5  | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5  | 5  | 4  | 0 |
| 6  | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5  | 4  | 4  | 0 |
| 7  | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4  | 4  | 3  | 0 |
| 8  | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9  | 4  | 3  | 3  | 0 |
| 9  | 43 | 32 | 25 | 20 | 37 | 27 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 3  | 3  | 2  | 0 |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : MX2U-4-00-L4-835-FW-(L3)-EM10W-DIM-UNV\_EMER MODE ONLY.IES

## POLAR GRAPH



Maximum Candela = 485.802 Located At Horizontal Angle = 0, Vertical Angle = 177.5

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (177.5) (Through Max. Cd.)