

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: INVUE

Report Number: P226209

Luminaire Tested: **MLA-B3-LED-XX-T2-XX**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P226209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29120)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: MLA-B3-LED-XX-T2-XX  
Description: METROLINE ARCHITECTURAL LED LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE II DISTRIBUTION  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11112 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 3.75' x H: 0.17')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U1 - G3

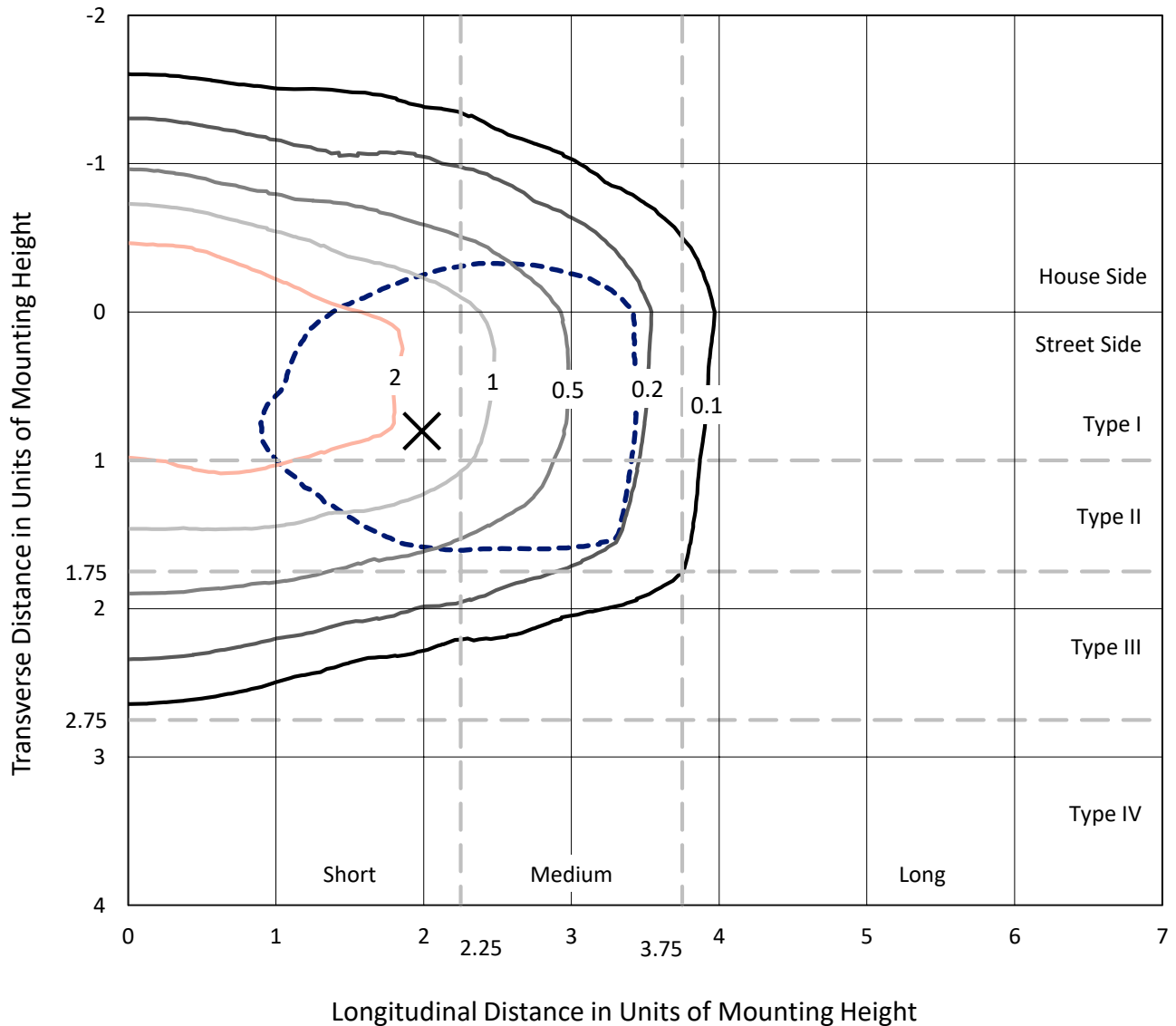
Input Watts (W): 93.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



REPORT NUMBER: P226209  
 CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

### Iso-Footcandle Lines of Horizontal Illumination

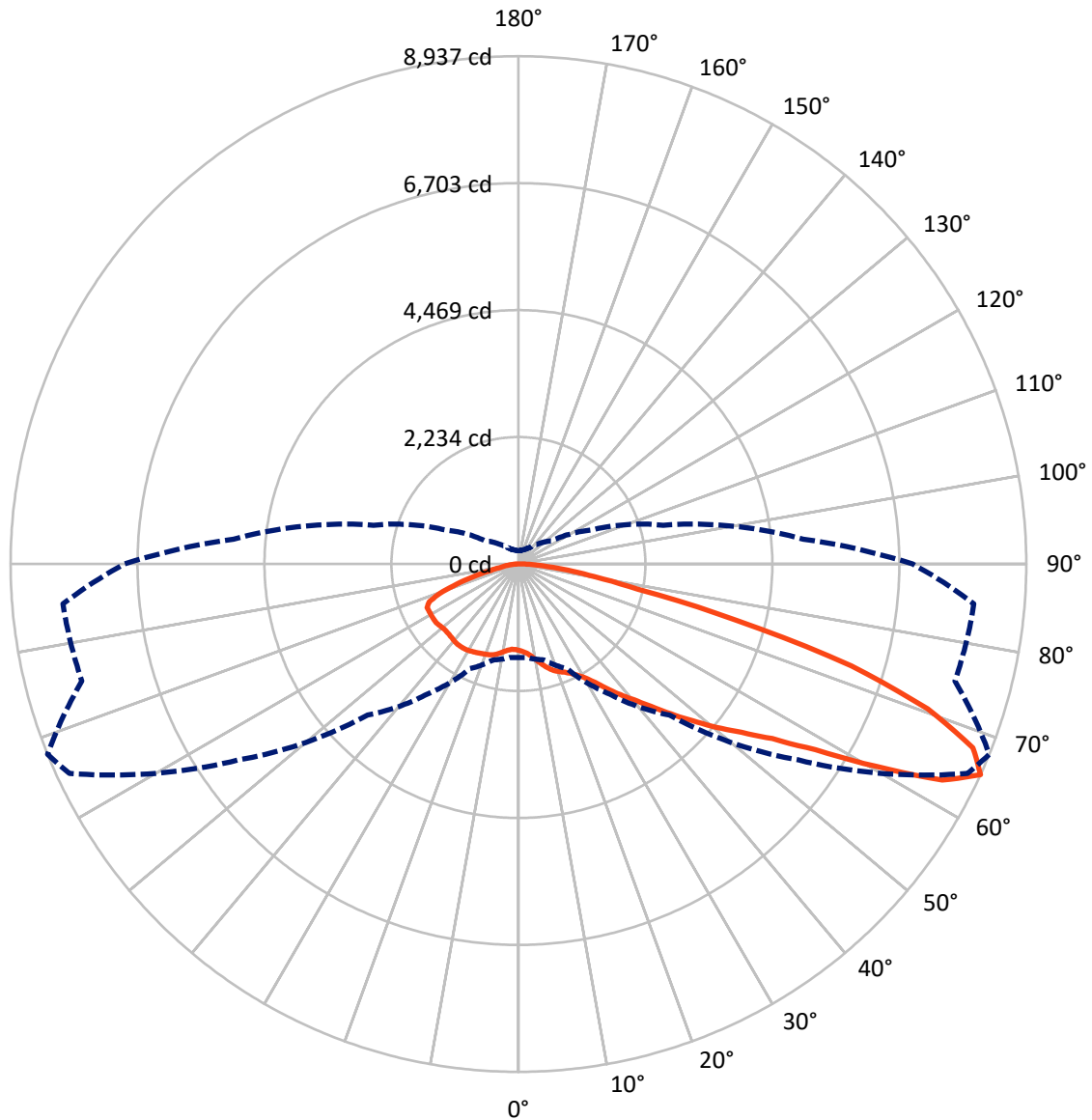
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P226209  
CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P226209

CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

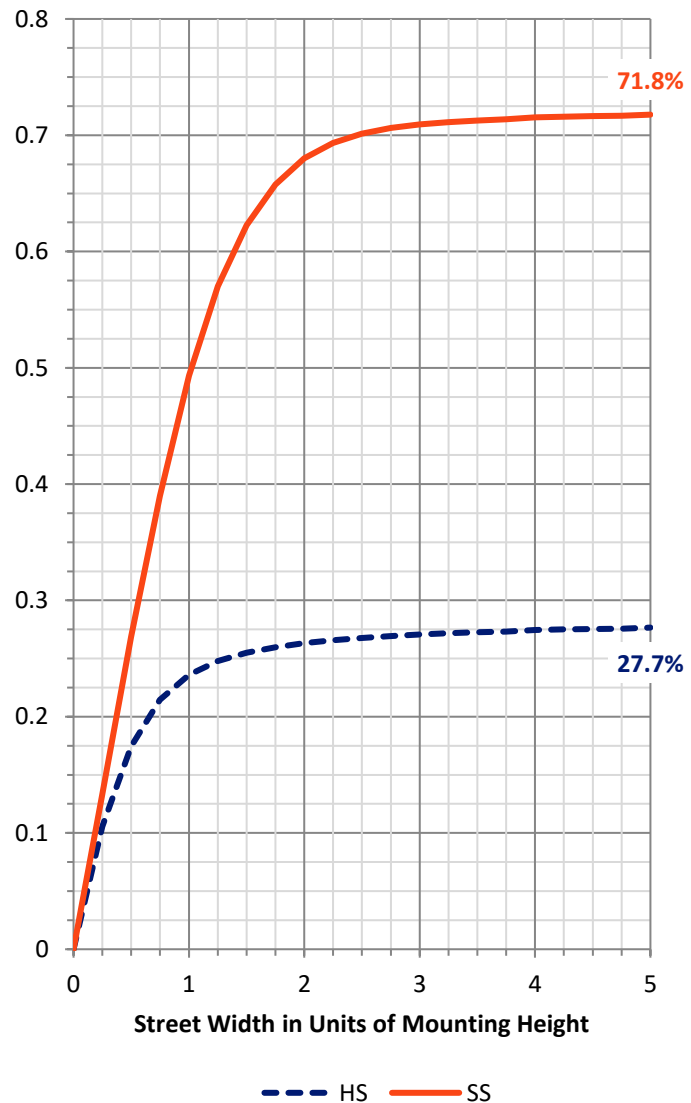
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3111.8   | 2.9    | 3114.7  |
|                    | % Fixture | 28.0     | 0.0    | 28.0    |
| <b>Street Side</b> | Lumens    | 7993.9   | 3.4    | 7997.2  |
|                    | % Fixture | 71.9     | 0.0    | 72.0    |
| <b>Total</b>       | Lumens    | 11105.7  | 6.3    | 11112.0 |
|                    | % Fixture | 99.9     | 0.1    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 150.0   | 1.3       |
| 10°-20°   | 485.7   | 4.4       |
| 20°-30°   | 825.4   | 7.4       |
| 30°-40°   | 1177.3  | 10.6      |
| 40°-50°   | 1728.6  | 15.6      |
| 50°-60°   | 2371.1  | 21.3      |
| 60°-70°   | 2871.0  | 25.8      |
| 70°-80°   | 1330.6  | 12.0      |
| 80°-90°   | 166.0   | 1.5       |
| 90°-100°  | 6.2     | 0.1       |
| 100°-110° | 0.1     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 11105.7 | 99.9      |
| 0°-180°   | 11112.0 | 100.0     |



REPORT NUMBER: P226209

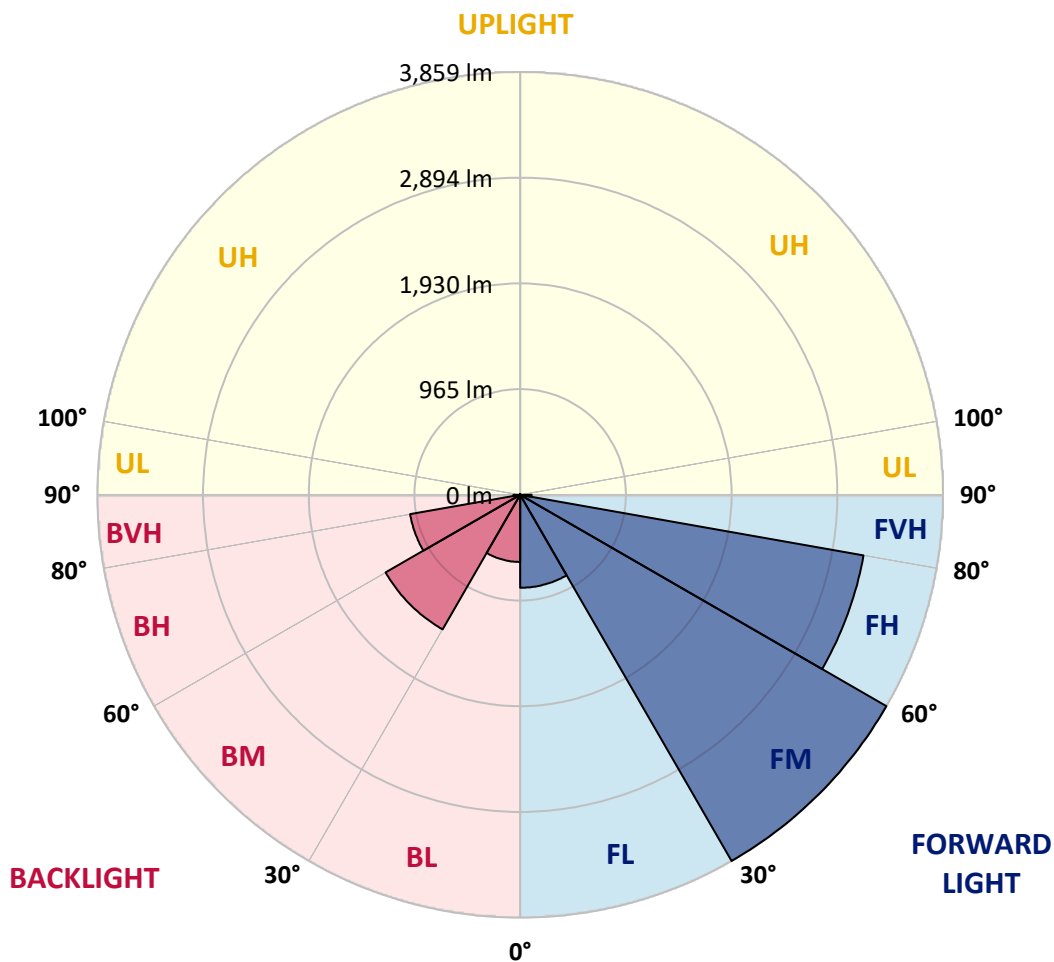
CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 848.2  | 7.6       |                         |       |         |
| FM   | (30°-60°)   | 3859.2 | 34.7      |                         |       |         |
| FH   | (60°-80°)   | 3181.7 | 28.6      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 104.8  | 0.9       |                         |       | G2/225  |
| BL   | (0°-30°)    | 612.9  | 5.5       | B2/1000                 |       |         |
| BM   | (30°-60°)   | 1417.8 | 12.8      | B2/2500                 |       |         |
| BH   | (60°-80°)   | 1019.9 | 9.2       | B3/2500                 |       | G3/2500 |
| BVH  | (80°-90°)   | 61.2   | 0.6       |                         |       | G1/100  |
| UL   | (90°-100°)  | 6.2    | 0.1       |                         | U1/10 |         |
| UH   | (100°-180°) | 2.9    | 0.0       |                         | U1/10 |         |

**BUG Rating: B3-U1-G3**

Type II Short





REPORT NUMBER: P226209

CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 68°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 |
| 2.5°   | 1605.0 | 1593.0 | 1578.0 | 1576.0 | 1559.0 | 1561.0 | 1555.0 | 1546.0 | 1543.0 | 1532.0 | 1516.0 |
| 5°     | 1682.1 | 1666.0 | 1647.0 | 1641.0 | 1620.0 | 1620.0 | 1603.0 | 1585.0 | 1579.0 | 1565.0 | 1545.0 |
| 7.5°   | 1773.1 | 1759.1 | 1737.1 | 1727.1 | 1699.1 | 1694.1 | 1668.0 | 1645.0 | 1636.0 | 1620.0 | 1595.0 |
| 10°    | 1871.1 | 1860.1 | 1834.1 | 1825.1 | 1790.1 | 1783.1 | 1751.1 | 1724.1 | 1715.1 | 1693.1 | 1660.0 |
| 12.5°  | 1960.1 | 1948.1 | 1927.1 | 1915.1 | 1886.1 | 1878.1 | 1843.1 | 1813.1 | 1802.1 | 1777.1 | 1739.1 |
| 15°    | 2031.1 | 2017.1 | 2000.1 | 1995.1 | 1972.1 | 1973.1 | 1937.1 | 1903.1 | 1891.1 | 1862.1 | 1814.1 |
| 17.5°  | 2077.1 | 2065.1 | 2052.1 | 2052.1 | 2042.1 | 2054.1 | 2023.1 | 1977.1 | 1965.1 | 1927.1 | 1872.1 |
| 20°    | 2091.1 | 2084.1 | 2079.1 | 2093.1 | 2094.1 | 2122.1 | 2096.1 | 2038.1 | 2019.1 | 1975.1 | 1921.1 |
| 22.5°  | 2084.1 | 2080.1 | 2084.1 | 2104.1 | 2127.1 | 2189.1 | 2164.1 | 2091.1 | 2068.1 | 2019.1 | 1976.1 |
| 25°    | 2062.1 | 2059.1 | 2067.1 | 2099.1 | 2146.1 | 2245.1 | 2239.1 | 2157.1 | 2131.1 | 2078.1 | 2038.1 |
| 27.5°  | 2024.1 | 2027.1 | 2044.1 | 2078.1 | 2159.1 | 2302.1 | 2326.1 | 2247.1 | 2215.1 | 2152.1 | 2111.1 |
| 30°    | 1983.1 | 1988.1 | 2022.1 | 2073.1 | 2179.1 | 2374.1 | 2445.1 | 2362.1 | 2325.1 | 2255.1 | 2199.1 |
| 32.5°  | 1937.1 | 1945.1 | 1999.1 | 2077.1 | 2227.1 | 2473.1 | 2599.1 | 2525.1 | 2489.1 | 2400.1 | 2318.1 |
| 35°    | 1899.1 | 1908.1 | 1983.1 | 2106.1 | 2305.1 | 2599.1 | 2806.1 | 2740.1 | 2696.1 | 2596.1 | 2462.1 |
| 37.5°  | 1923.1 | 1934.1 | 2019.1 | 2186.1 | 2432.1 | 2754.1 | 3001.1 | 2964.1 | 2918.1 | 2815.1 | 2640.1 |
| 40°    | 2032.1 | 2047.1 | 2151.1 | 2366.1 | 2653.1 | 2974.1 | 3213.1 | 3182.1 | 3144.1 | 3072.1 | 2871.1 |
| 42.5°  | 2146.1 | 2161.1 | 2293.1 | 2586.1 | 2972.1 | 3307.1 | 3483.1 | 3443.1 | 3425.1 | 3383.1 | 3169.1 |
| 45°    | 2215.1 | 2240.1 | 2387.1 | 2759.1 | 3270.1 | 3690.1 | 3841.1 | 3741.1 | 3762.1 | 3773.1 | 3528.1 |
| 47.5°  | 2262.1 | 2286.1 | 2438.1 | 2885.1 | 3494.1 | 4015.1 | 4258.1 | 4067.1 | 4120.1 | 4158.1 | 3882.1 |
| 50°    | 2291.1 | 2315.1 | 2471.1 | 2961.1 | 3627.1 | 4223.1 | 4658.1 | 4448.1 | 4516.1 | 4523.1 | 4226.1 |
| 52.5°  | 2293.1 | 2316.1 | 2464.1 | 2963.1 | 3653.1 | 4344.1 | 4962.1 | 4883.1 | 4923.1 | 4893.1 | 4618.1 |
| 55°    | 2237.1 | 2258.1 | 2404.1 | 2871.1 | 3553.1 | 4373.1 | 5243.2 | 5416.2 | 5421.2 | 5381.2 | 5168.2 |
| 57.5°  | 2154.1 | 2170.1 | 2306.1 | 2739.1 | 3409.1 | 4338.1 | 5532.2 | 6190.2 | 6161.2 | 6125.2 | 6036.2 |
| 60°    | 2101.1 | 2111.1 | 2231.1 | 2632.1 | 3306.1 | 4221.1 | 5875.2 | 7260.2 | 7231.2 | 7040.2 | 7161.2 |
| 62.5°  | 1966.1 | 1973.1 | 2096.1 | 2473.1 | 3212.1 | 4038.1 | 6063.2 | 8338.2 | 8374.2 | 7718.2 | 7871.2 |
| 65°    | 1647.0 | 1650.0 | 1748.1 | 2035.1 | 2791.1 | 3757.1 | 6012.2 | 8720.3 | 8937.3 | 7953.2 | 8046.2 |
| 67.5°  | 1199.0 | 1196.0 | 1249.0 | 1427.0 | 2002.1 | 3233.1 | 5660.2 | 8174.2 | 8628.3 | 8112.2 | 7885.2 |
| 70°    | 778.0  | 779.0  | 809.0  | 889.0  | 1195.0 | 2271.1 | 4568.1 | 7183.2 | 7641.2 | 7852.2 | 7173.2 |
| 72.5°  | 407.0  | 420.0  | 410.0  | 449.0  | 675.0  | 1299.0 | 2975.1 | 5922.2 | 6128.2 | 6341.2 | 5584.2 |
| 75°    | 204.0  | 212.0  | 224.0  | 241.0  | 342.0  | 763.0  | 1740.1 | 4150.1 | 3972.1 | 3492.1 | 3195.1 |
| 77.5°  | 151.0  | 157.0  | 170.0  | 180.0  | 214.0  | 437.0  | 1209.0 | 2340.1 | 2149.1 | 1693.1 | 1523.0 |
| 80°    | 107.0  | 114.0  | 136.0  | 146.0  | 159.0  | 211.0  | 784.0  | 1343.0 | 1357.0 | 1026.0 | 506.0  |
| 82.5°  | 60.0   | 73.0   | 99.0   | 113.0  | 115.0  | 133.0  | 318.0  | 841.0  | 874.0  | 564.0  | 183.0  |
| 85°    | 30.0   | 45.0   | 71.0   | 85.0   | 77.0   | 83.0   | 157.0  | 404.0  | 432.0  | 317.0  | 100.0  |
| 87.5°  | 2.0    | 27.0   | 49.0   | 58.0   | 53.0   | 53.0   | 74.0   | 183.0  | 189.0  | 166.0  | 57.0   |
| 90°    | 0.0    | 16.0   | 30.0   | 35.0   | 30.0   | 26.0   | 30.0   | 59.0   | 64.0   | 49.0   | 12.0   |
| 92.5°  | 0.0    | 6.0    | 14.0   | 13.0   | 10.0   | 6.0    | 5.0    | 3.0    | 2.0    | 1.0    | 1.0    |
| 95°    | 0.0    | 1.0    | 3.0    | 2.0    | 2.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 1.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.0    | 0.0    | 0.0    | 1.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P226209

CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 68° | 75° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |





REPORT NUMBER: P226209

CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 | 1520.0 |
| 2.5°   | 1515.0 | 1512.0 | 1507.0 | 1502.0 | 1499.0 | 1494.0 | 1479.0 | 1473.0 | 1477.0 | 1494.0 | 1497.0 |
| 5°     | 1542.0 | 1536.0 | 1517.0 | 1501.0 | 1489.0 | 1477.0 | 1453.0 | 1442.0 | 1439.0 | 1453.0 | 1458.0 |
| 7.5°   | 1586.0 | 1578.0 | 1548.0 | 1519.0 | 1493.0 | 1469.0 | 1432.0 | 1411.0 | 1403.0 | 1413.0 | 1417.0 |
| 10°    | 1651.0 | 1635.0 | 1593.0 | 1548.0 | 1507.0 | 1467.0 | 1414.0 | 1380.0 | 1364.0 | 1370.0 | 1372.0 |
| 12.5°  | 1723.1 | 1704.1 | 1648.0 | 1586.0 | 1527.0 | 1469.0 | 1396.0 | 1348.0 | 1325.0 | 1326.0 | 1327.0 |
| 15°    | 1795.1 | 1769.1 | 1700.1 | 1623.0 | 1546.0 | 1471.0 | 1380.0 | 1318.0 | 1283.0 | 1281.0 | 1281.0 |
| 17.5°  | 1848.1 | 1819.1 | 1735.1 | 1645.0 | 1558.0 | 1469.0 | 1362.0 | 1286.0 | 1246.0 | 1237.0 | 1237.0 |
| 20°    | 1897.1 | 1863.1 | 1759.1 | 1655.0 | 1556.0 | 1461.0 | 1339.0 | 1252.0 | 1201.0 | 1188.0 | 1190.0 |
| 22.5°  | 1949.1 | 1906.1 | 1782.1 | 1665.0 | 1550.0 | 1447.0 | 1313.0 | 1207.0 | 1146.0 | 1131.0 | 1132.0 |
| 25°    | 2006.1 | 1953.1 | 1808.1 | 1679.1 | 1549.0 | 1425.0 | 1266.0 | 1144.0 | 1081.0 | 1066.0 | 1067.0 |
| 27.5°  | 2073.1 | 2001.1 | 1832.1 | 1693.1 | 1540.0 | 1383.0 | 1195.0 | 1075.0 | 1011.0 | 997.0  | 997.0  |
| 30°    | 2153.1 | 2056.1 | 1864.1 | 1704.1 | 1511.0 | 1316.0 | 1123.0 | 1006.0 | 941.0  | 925.0  | 922.0  |
| 32.5°  | 2248.1 | 2127.1 | 1910.1 | 1705.1 | 1459.0 | 1233.0 | 1051.0 | 939.0  | 874.0  | 854.0  | 853.0  |
| 35°    | 2371.1 | 2219.1 | 1967.1 | 1689.1 | 1391.0 | 1157.0 | 991.0  | 873.0  | 807.0  | 789.0  | 788.0  |
| 37.5°  | 2520.1 | 2348.1 | 2034.1 | 1660.0 | 1323.0 | 1092.0 | 923.0  | 806.0  | 734.0  | 712.0  | 711.0  |
| 40°    | 2728.1 | 2515.1 | 2091.1 | 1624.0 | 1262.0 | 1032.0 | 853.0  | 727.0  | 654.0  | 633.0  | 630.0  |
| 42.5°  | 2975.1 | 2698.1 | 2127.1 | 1589.0 | 1216.0 | 962.0  | 768.0  | 643.0  | 577.0  | 565.0  | 562.0  |
| 45°    | 3239.1 | 2882.1 | 2149.1 | 1563.0 | 1175.0 | 878.0  | 672.0  | 569.0  | 516.0  | 504.0  | 501.0  |
| 47.5°  | 3501.1 | 3045.1 | 2167.1 | 1552.0 | 1123.0 | 774.0  | 592.0  | 512.0  | 466.0  | 455.0  | 452.0  |
| 50°    | 3773.1 | 3189.1 | 2190.1 | 1550.0 | 1048.0 | 673.0  | 527.0  | 463.0  | 420.0  | 406.0  | 402.0  |
| 52.5°  | 4088.1 | 3352.1 | 2231.1 | 1556.0 | 941.0  | 602.0  | 482.0  | 414.0  | 371.0  | 355.0  | 351.0  |
| 55°    | 4509.1 | 3574.1 | 2281.1 | 1561.0 | 821.0  | 559.0  | 444.0  | 366.0  | 323.0  | 307.0  | 303.0  |
| 57.5°  | 5144.2 | 3893.1 | 2336.1 | 1541.0 | 735.0  | 534.0  | 405.0  | 322.0  | 286.0  | 273.0  | 272.0  |
| 60°    | 5980.2 | 4318.1 | 2412.1 | 1506.0 | 692.0  | 516.0  | 372.0  | 293.0  | 267.0  | 254.0  | 252.0  |
| 62.5°  | 6627.2 | 4725.1 | 2519.1 | 1460.0 | 686.0  | 503.0  | 353.0  | 283.0  | 257.0  | 241.0  | 240.0  |
| 65°    | 6935.2 | 5031.2 | 2640.1 | 1414.0 | 708.0  | 502.0  | 353.0  | 284.0  | 254.0  | 236.0  | 233.0  |
| 67.5°  | 6908.2 | 5084.2 | 2600.1 | 1324.0 | 706.0  | 506.0  | 365.0  | 288.0  | 257.0  | 235.0  | 232.0  |
| 70°    | 6418.2 | 4791.1 | 2336.1 | 1112.0 | 635.0  | 472.0  | 361.0  | 290.0  | 259.0  | 232.0  | 227.0  |
| 72.5°  | 5284.2 | 4107.1 | 1902.1 | 812.0  | 526.0  | 403.0  | 332.0  | 283.0  | 251.0  | 224.0  | 219.0  |
| 75°    | 3395.1 | 2912.1 | 1361.0 | 548.0  | 411.0  | 335.0  | 292.0  | 263.0  | 230.0  | 207.0  | 204.0  |
| 77.5°  | 1491.0 | 1296.0 | 720.0  | 392.0  | 325.0  | 269.0  | 241.0  | 224.0  | 203.0  | 174.0  | 166.0  |
| 80°    | 404.0  | 340.0  | 301.0  | 321.0  | 252.0  | 212.0  | 193.0  | 184.0  | 170.0  | 132.0  | 123.0  |
| 82.5°  | 162.0  | 157.0  | 192.0  | 247.0  | 180.0  | 149.0  | 147.0  | 141.0  | 137.0  | 96.0   | 87.0   |
| 85°    | 92.0   | 94.0   | 120.0  | 154.0  | 106.0  | 90.0   | 95.0   | 100.0  | 102.0  | 66.0   | 61.0   |
| 87.5°  | 47.0   | 50.0   | 76.0   | 74.0   | 61.0   | 46.0   | 53.0   | 61.0   | 63.0   | 35.0   | 25.0   |
| 90°    | 6.0    | 9.0    | 30.0   | 32.0   | 25.0   | 18.0   | 24.0   | 28.0   | 32.0   | 17.0   | 3.0    |
| 92.5°  | 1.0    | 1.0    | 2.0    | 6.0    | 7.0    | 5.0    | 7.0    | 10.0   | 12.0   | 6.0    | 0.0    |
| 95°    | 1.0    | 1.0    | 1.0    | 1.0    | 2.0    | 2.0    | 2.0    | 3.0    | 4.0    | 1.0    | 0.0    |
| 97.5°  | 1.0    | 1.0    | 2.0    | 2.0    | 2.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 1.0    | 1.0    | 2.0    | 2.0    | 2.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P226209

CATALOG NUMBER: MLA-B3-LED-XX-T2-XX

**CANDELA DISTRIBUTION (continued):**

|        | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)