

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: STREETWORKS

Report Number: P226218

Luminaire Tested: **MLN-B3-D-U-T3-XX**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P226218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29662)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MLN-B3-D-U-T3-XX
Description: METROLINE ARCHITECTURAL LED LUMINAIRE
70 CRI, 4000K LEDS AND TYPE III DISTRIBUTION
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12086 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 3.75' x H: 0.17')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U2 - G3

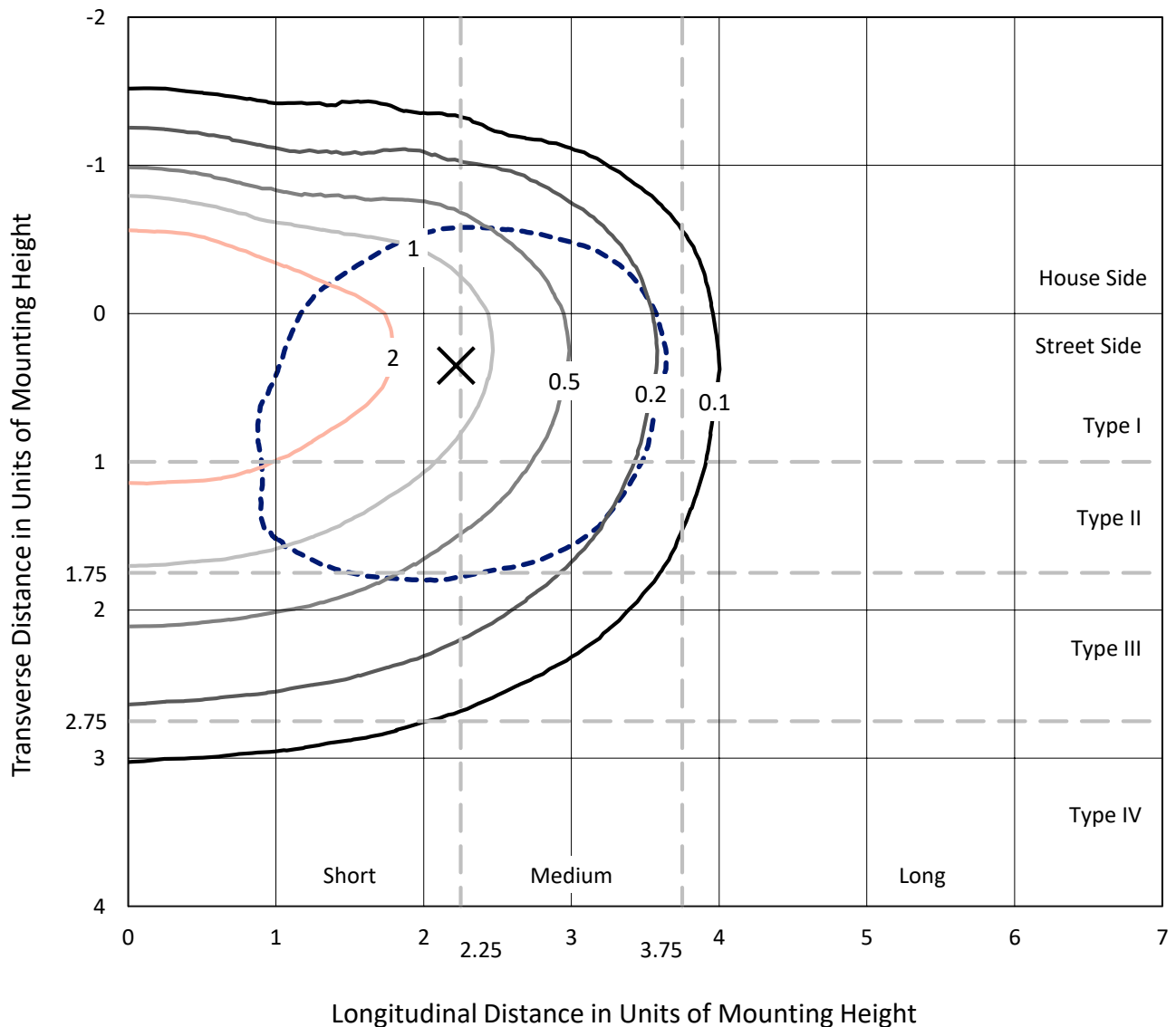
Input Watts (W): 93.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

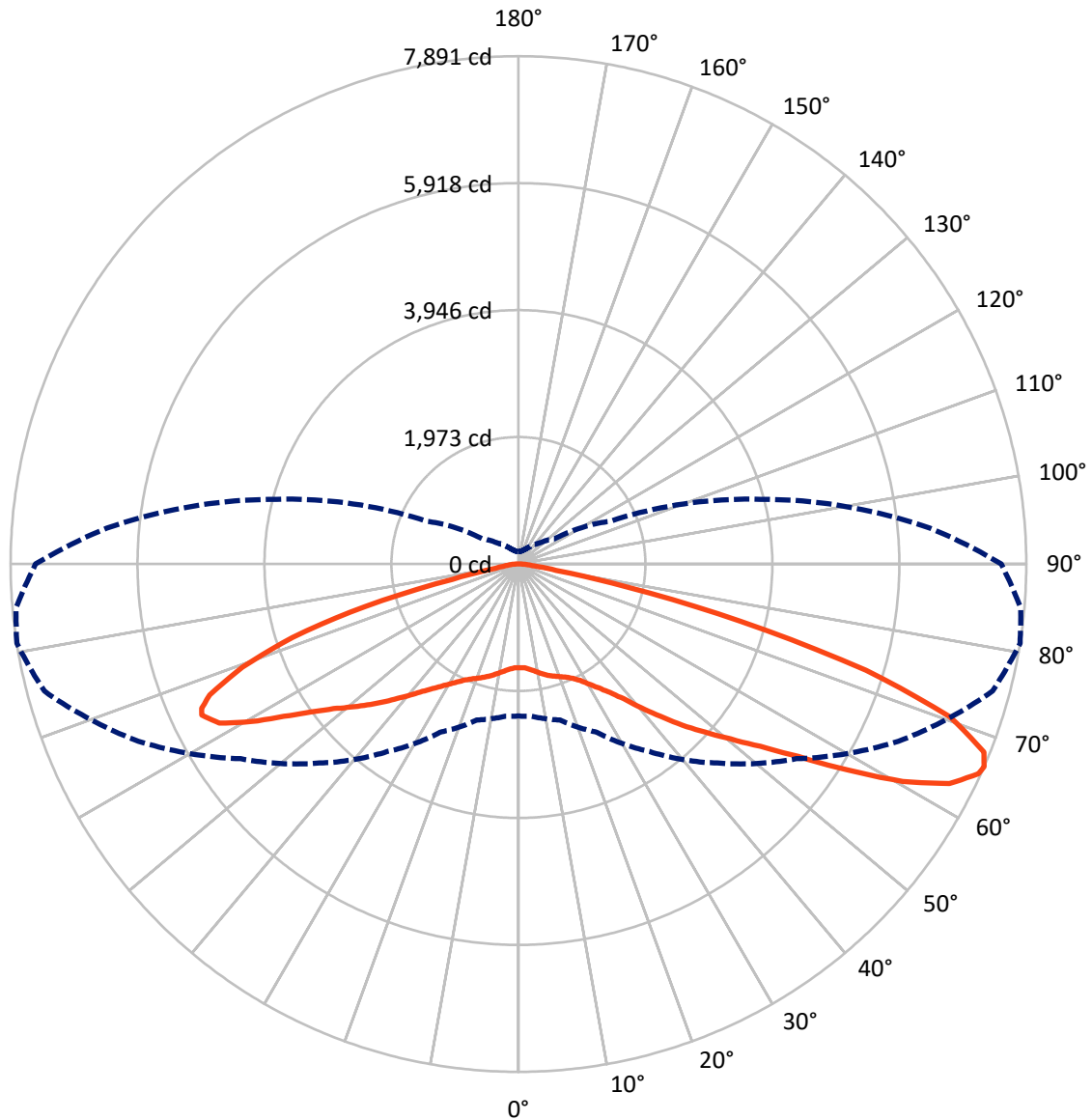
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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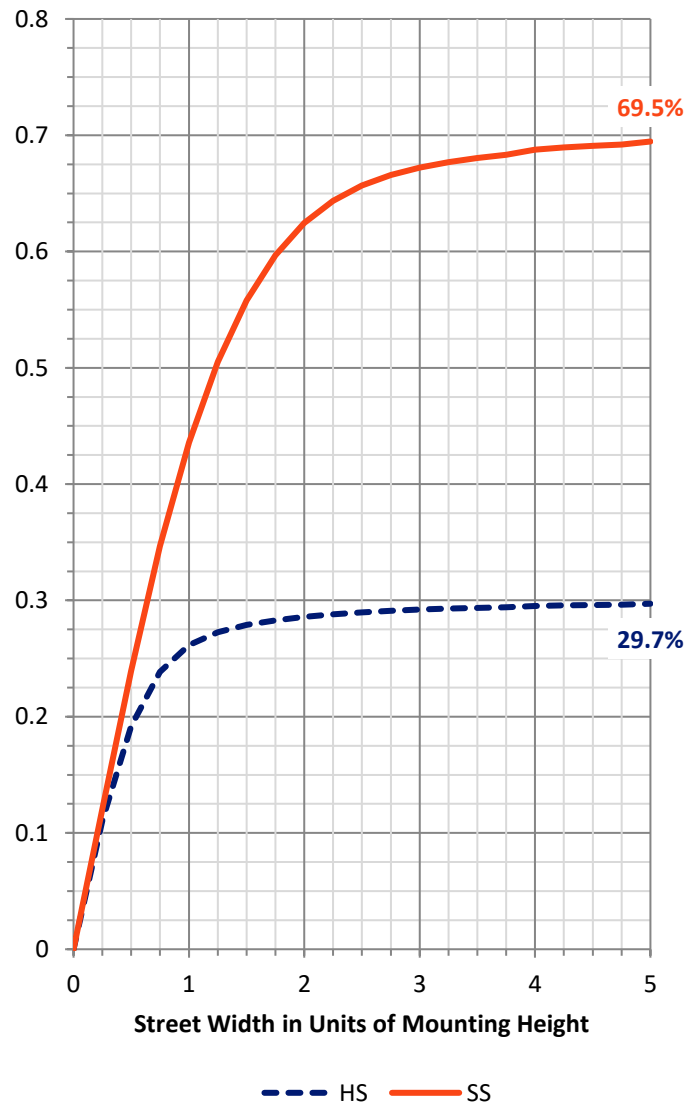
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3634.8 | 4.3 | 3639.1 |
| | % Fixture | 30.1 | 0.0 | 30.1 |
| Street Side | Lumens | 8440.5 | 6.4 | 8446.9 |
| | % Fixture | 69.8 | 0.1 | 69.9 |
| Total | Lumens | 12075.3 | 10.7 | 12086.0 |
| | % Fixture | 99.9 | 0.1 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 158.4 | 1.3 |
| 10°-20° | 502.4 | 4.2 |
| 20°-30° | 857.8 | 7.1 |
| 30°-40° | 1282.6 | 10.6 |
| 40°-50° | 1837.3 | 15.2 |
| 50°-60° | 2518.7 | 20.8 |
| 60°-70° | 3084.6 | 25.5 |
| 70°-80° | 1565.2 | 13.0 |
| 80°-90° | 268.0 | 2.2 |
| 90°-100° | 10.5 | 0.1 |
| 100°-110° | 0.2 | 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° | 12075.3 | 99.9 |
| 0°-180° | 12086.0 | 100.0 |

Coefficient of Utilization



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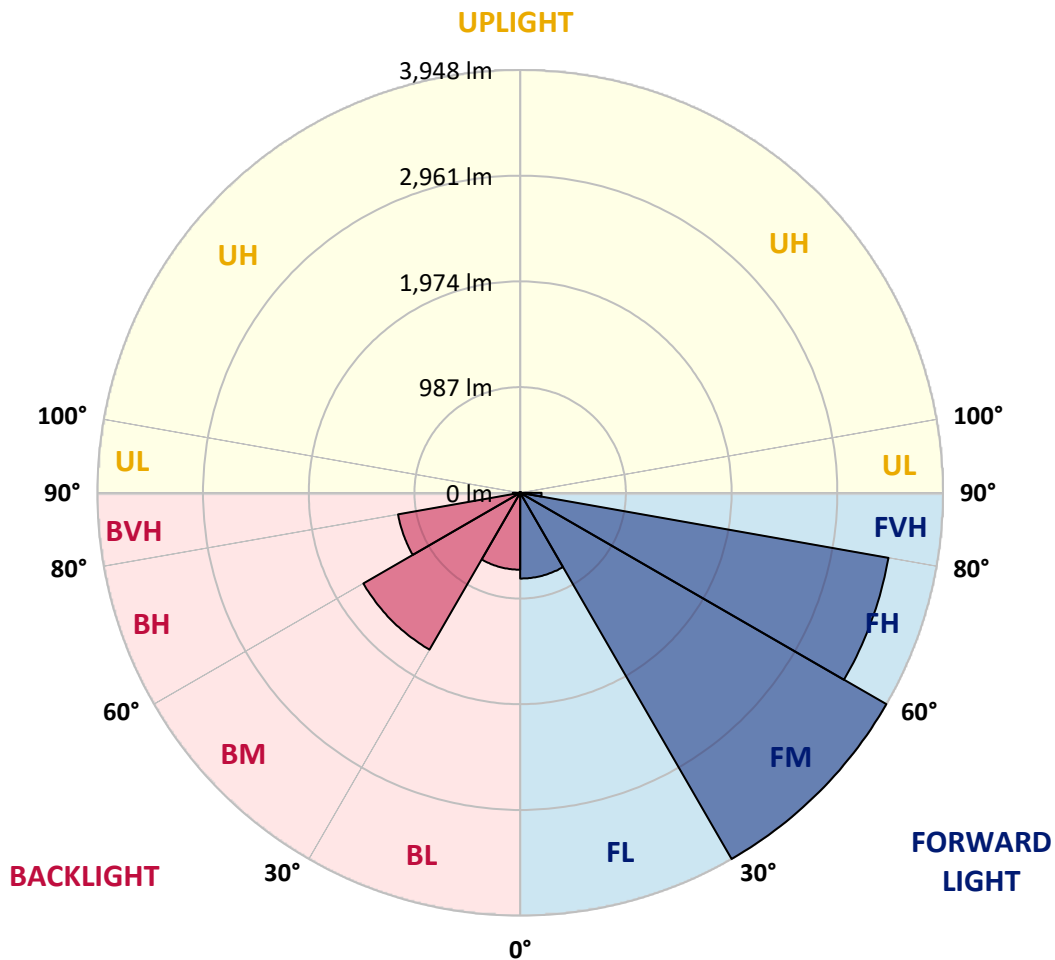
CATALOG NUMBER: MLN-B3-D-U-T3-XX

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|-------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 800.6 | 6.6 | | | |
| FM | (30°-60°) | 3948.1 | 32.7 | | | |
| FH | (60°-80°) | 3492.0 | 28.9 | | | G2/5000 |
| FVH | (80°-90°) | 199.8 | 1.7 | | | G2/225 |
| BL | (0°-30°) | 718.1 | 5.9 | B2/1000 | | |
| BM | (30°-60°) | 1690.6 | 14.0 | B2/2500 | | |
| BH | (60°-80°) | 1157.9 | 9.6 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 68.2 | 0.6 | | | G1/100 |
| UL | (90°-100°) | 10.5 | 0.1 | | U2/50 | |
| UH | (100°-180°) | 4.3 | 0.0 | | U1/10 | |

BUG Rating: B3-U2-G3

Type III Short





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CATALOG NUMBER: MLN-B3-D-U-T3-XX

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 81° | 85° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 |
| 2.5° | 1641.0 | 1636.0 | 1621.0 | 1618.0 | 1612.0 | 1624.0 | 1625.0 | 1625.0 | 1616.0 | 1612.0 | 1609.0 |
| 5° | 1657.0 | 1652.0 | 1637.0 | 1636.0 | 1628.0 | 1642.0 | 1643.0 | 1641.0 | 1637.0 | 1637.0 | 1637.0 |
| 7.5° | 1702.0 | 1696.0 | 1680.0 | 1671.0 | 1659.0 | 1669.0 | 1670.0 | 1670.0 | 1669.0 | 1671.0 | 1672.0 |
| 10° | 1771.0 | 1758.0 | 1740.0 | 1724.0 | 1703.0 | 1708.0 | 1706.0 | 1710.0 | 1709.0 | 1715.0 | 1713.0 |
| 12.5° | 1832.0 | 1823.0 | 1801.0 | 1783.0 | 1756.0 | 1755.0 | 1746.0 | 1746.0 | 1751.0 | 1759.0 | 1759.0 |
| 15° | 1885.0 | 1879.0 | 1857.0 | 1841.0 | 1814.0 | 1802.0 | 1785.0 | 1785.0 | 1792.0 | 1799.0 | 1798.0 |
| 17.5° | 1930.0 | 1929.0 | 1904.0 | 1893.0 | 1865.0 | 1852.0 | 1823.0 | 1820.0 | 1828.0 | 1832.0 | 1832.0 |
| 20° | 1973.0 | 1970.0 | 1947.0 | 1934.0 | 1912.0 | 1906.0 | 1858.0 | 1850.0 | 1862.0 | 1869.0 | 1868.0 |
| 22.5° | 2002.0 | 1996.0 | 1975.0 | 1964.0 | 1953.0 | 1955.0 | 1901.0 | 1883.0 | 1901.0 | 1911.0 | 1909.0 |
| 25° | 2025.0 | 2021.0 | 1994.0 | 1990.0 | 1991.0 | 2010.0 | 1955.0 | 1940.0 | 1960.0 | 1968.0 | 1966.0 |
| 27.5° | 2053.0 | 2048.0 | 2023.0 | 2015.0 | 2037.0 | 2077.0 | 2039.0 | 2018.0 | 2040.0 | 2051.0 | 2052.0 |
| 30° | 2114.1 | 2110.0 | 2077.0 | 2065.0 | 2104.0 | 2179.1 | 2152.1 | 2131.1 | 2134.1 | 2165.1 | 2169.1 |
| 32.5° | 2255.1 | 2249.1 | 2214.1 | 2192.1 | 2235.1 | 2331.1 | 2316.1 | 2288.1 | 2266.1 | 2296.1 | 2304.1 |
| 35° | 2401.1 | 2395.1 | 2374.1 | 2363.1 | 2429.1 | 2552.1 | 2538.1 | 2500.1 | 2431.1 | 2452.1 | 2457.1 |
| 37.5° | 2488.1 | 2495.1 | 2501.1 | 2533.1 | 2643.1 | 2806.1 | 2812.1 | 2762.1 | 2651.1 | 2656.1 | 2649.1 |
| 40° | 2564.1 | 2572.1 | 2602.1 | 2689.1 | 2861.1 | 3052.1 | 3132.1 | 3062.1 | 2946.1 | 2935.1 | 2907.1 |
| 42.5° | 2626.1 | 2643.1 | 2697.1 | 2837.1 | 3060.1 | 3285.1 | 3424.1 | 3360.1 | 3272.1 | 3235.1 | 3198.1 |
| 45° | 2700.1 | 2712.1 | 2789.1 | 2978.1 | 3235.1 | 3504.1 | 3684.1 | 3651.1 | 3600.1 | 3572.1 | 3487.1 |
| 47.5° | 2758.1 | 2779.1 | 2862.1 | 3088.1 | 3390.1 | 3704.1 | 3932.1 | 3956.1 | 3958.1 | 3900.1 | 3805.1 |
| 50° | 2835.1 | 2861.1 | 2934.1 | 3184.1 | 3495.1 | 3862.1 | 4164.1 | 4263.1 | 4330.1 | 4272.1 | 4129.1 |
| 52.5° | 2919.1 | 2952.1 | 3029.1 | 3311.1 | 3598.1 | 3984.1 | 4372.1 | 4577.1 | 4739.1 | 4704.1 | 4551.1 |
| 55° | 3029.1 | 3058.1 | 3145.1 | 3464.1 | 3743.1 | 4128.1 | 4600.1 | 4960.1 | 5296.1 | 5281.1 | 5131.1 |
| 57.5° | 3145.1 | 3161.1 | 3259.1 | 3606.1 | 3943.1 | 4370.1 | 4875.1 | 5485.1 | 6023.1 | 6039.1 | 5878.1 |
| 60° | 3058.1 | 3072.1 | 3187.1 | 3596.1 | 4047.1 | 4603.1 | 5167.1 | 6088.1 | 6819.2 | 6858.2 | 6721.2 |
| 62.5° | 2813.1 | 2826.1 | 2960.1 | 3406.1 | 3962.1 | 4648.1 | 5363.1 | 6494.2 | 7404.2 | 7513.2 | 7347.2 |
| 65° | 2501.1 | 2515.1 | 2653.1 | 3046.1 | 3714.1 | 4493.1 | 5355.1 | 6590.2 | 7639.2 | 7857.2 | 7767.2 |
| 66° | 2361.1 | 2374.1 | 2509.1 | 2883.1 | 3558.1 | 4373.1 | 5272.1 | 6514.2 | 7627.2 | 7891.2 | 7835.2 |
| 67.5° | 2146.1 | 2113.1 | 2234.1 | 2629.1 | 3284.1 | 4130.1 | 5044.1 | 6334.1 | 7477.2 | 7800.2 | 7780.2 |
| 70° | 1642.0 | 1614.0 | 1743.0 | 2090.0 | 2703.1 | 3555.1 | 4483.1 | 5724.1 | 6832.2 | 7115.2 | 7155.2 |
| 72.5° | 1130.0 | 1110.0 | 1229.0 | 1525.0 | 2026.0 | 2777.1 | 3638.1 | 4714.1 | 5526.1 | 5646.1 | 5798.1 |
| 75° | 797.0 | 785.0 | 856.0 | 1017.0 | 1359.0 | 1913.0 | 2682.1 | 3354.1 | 3617.1 | 3569.1 | 3720.1 |
| 77.5° | 466.0 | 477.0 | 573.0 | 704.0 | 942.0 | 1205.0 | 1825.0 | 2064.0 | 1922.0 | 1712.0 | 1617.0 |
| 80° | 231.0 | 233.0 | 318.0 | 421.0 | 671.0 | 910.0 | 1187.0 | 1338.0 | 1211.0 | 593.0 | 438.0 |
| 82.5° | 107.0 | 117.0 | 157.0 | 194.0 | 299.0 | 658.0 | 1004.0 | 1279.0 | 1087.0 | 243.0 | 194.0 |
| 85° | 46.0 | 61.0 | 101.0 | 120.0 | 126.0 | 263.0 | 820.0 | 1153.0 | 692.0 | 147.0 | 118.0 |
| 87.5° | 14.0 | 33.0 | 69.0 | 84.0 | 76.0 | 96.0 | 307.0 | 526.0 | 251.0 | 73.0 | 66.0 |
| 90° | 0.0 | 20.0 | 43.0 | 48.0 | 42.0 | 39.0 | 89.0 | 162.0 | 65.0 | 26.0 | 24.0 |
| 92.5° | 0.0 | 9.0 | 24.0 | 23.0 | 17.0 | 11.0 | 13.0 | 13.0 | 4.0 | 3.0 | 3.0 |
| 95° | 0.0 | 2.0 | 9.0 | 6.0 | 4.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 97.5° | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 100° | 0.0 | 0.0 | 1.0 | 2.0 | 2.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 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 |



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CATALOG NUMBER: MLN-B3-D-U-T3-XX

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 81° | 85° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 | 1614.0 |
| 2.5° | 1614.0 | 1612.0 | 1616.0 | 1621.0 | 1623.0 | 1625.0 | 1609.0 | 1609.0 | 1614.0 | 1633.0 | 1634.0 |
| 5° | 1641.0 | 1637.0 | 1635.0 | 1637.0 | 1640.0 | 1643.0 | 1626.0 | 1625.0 | 1630.0 | 1648.0 | 1651.0 |
| 7.5° | 1674.0 | 1671.0 | 1668.0 | 1665.0 | 1665.0 | 1667.0 | 1647.0 | 1644.0 | 1650.0 | 1668.0 | 1670.0 |
| 10° | 1716.0 | 1712.0 | 1706.0 | 1702.0 | 1700.0 | 1697.0 | 1666.0 | 1655.0 | 1656.0 | 1673.0 | 1676.0 |
| 12.5° | 1756.0 | 1755.0 | 1751.0 | 1752.0 | 1746.0 | 1731.0 | 1680.0 | 1653.0 | 1643.0 | 1655.0 | 1659.0 |
| 15° | 1795.0 | 1795.0 | 1802.0 | 1809.0 | 1794.0 | 1758.0 | 1688.0 | 1640.0 | 1614.0 | 1623.0 | 1625.0 |
| 17.5° | 1830.0 | 1834.0 | 1849.0 | 1858.0 | 1833.0 | 1783.0 | 1687.0 | 1615.0 | 1572.0 | 1573.0 | 1573.0 |
| 20° | 1870.0 | 1874.0 | 1894.0 | 1897.0 | 1862.0 | 1797.0 | 1673.0 | 1573.0 | 1518.0 | 1512.0 | 1507.0 |
| 22.5° | 1909.0 | 1916.0 | 1935.0 | 1930.0 | 1880.0 | 1796.0 | 1644.0 | 1526.0 | 1459.0 | 1448.0 | 1443.0 |
| 25° | 1961.0 | 1973.0 | 1985.0 | 1962.0 | 1891.0 | 1778.0 | 1600.0 | 1473.0 | 1390.0 | 1370.0 | 1364.0 |
| 27.5° | 2040.0 | 2052.0 | 2046.0 | 1994.0 | 1893.0 | 1740.0 | 1555.0 | 1408.0 | 1303.0 | 1273.0 | 1270.0 |
| 30° | 2152.1 | 2153.1 | 2114.1 | 2025.0 | 1885.0 | 1702.0 | 1490.0 | 1321.0 | 1202.0 | 1169.0 | 1167.0 |
| 32.5° | 2285.1 | 2264.1 | 2187.1 | 2048.0 | 1864.0 | 1643.0 | 1397.0 | 1216.0 | 1101.0 | 1068.0 | 1062.0 |
| 35° | 2430.1 | 2400.1 | 2266.1 | 2073.0 | 1825.0 | 1551.0 | 1285.0 | 1109.0 | 1003.0 | 972.0 | 967.0 |
| 37.5° | 2605.1 | 2558.1 | 2355.1 | 2090.0 | 1760.0 | 1433.0 | 1168.0 | 1003.0 | 899.0 | 868.0 | 861.0 |
| 40° | 2830.1 | 2758.1 | 2457.1 | 2091.0 | 1661.0 | 1293.0 | 1049.0 | 890.0 | 790.0 | 758.0 | 755.0 |
| 42.5° | 3100.1 | 2976.1 | 2560.1 | 2073.0 | 1546.0 | 1174.0 | 932.0 | 770.0 | 675.0 | 639.0 | 640.0 |
| 45° | 3386.1 | 3230.1 | 2671.1 | 2038.0 | 1438.0 | 1039.0 | 794.0 | 648.0 | 563.0 | 536.0 | 535.0 |
| 47.5° | 3679.1 | 3489.1 | 2789.1 | 1999.0 | 1318.0 | 910.0 | 671.0 | 534.0 | 468.0 | 454.0 | 446.0 |
| 50° | 3984.1 | 3765.1 | 2906.1 | 1959.0 | 1184.0 | 783.0 | 553.0 | 441.0 | 387.0 | 373.0 | 368.0 |
| 52.5° | 4366.1 | 4066.1 | 3019.1 | 1926.0 | 1054.0 | 659.0 | 456.0 | 369.0 | 320.0 | 305.0 | 301.0 |
| 55° | 4913.1 | 4491.1 | 3156.1 | 1884.0 | 942.0 | 550.0 | 388.0 | 311.0 | 272.0 | 258.0 | 254.0 |
| 57.5° | 5625.1 | 5018.1 | 3337.1 | 1827.0 | 841.0 | 478.0 | 337.0 | 274.0 | 248.0 | 234.0 | 231.0 |
| 60° | 6421.2 | 5636.1 | 3607.1 | 1771.0 | 759.0 | 440.0 | 310.0 | 260.0 | 235.0 | 221.0 | 219.0 |
| 62.5° | 7128.2 | 6168.1 | 3908.1 | 1720.0 | 716.0 | 432.0 | 309.0 | 255.0 | 224.0 | 209.0 | 207.0 |
| 65° | 7485.2 | 6440.2 | 3968.1 | 1637.0 | 695.0 | 453.0 | 329.0 | 254.0 | 215.0 | 198.0 | 196.0 |
| 66° | 7502.2 | 6418.2 | 3889.1 | 1576.0 | 679.0 | 460.0 | 337.0 | 253.0 | 211.0 | 194.0 | 192.0 |
| 67.5° | 7362.2 | 6238.1 | 3670.1 | 1423.0 | 638.0 | 457.0 | 345.0 | 251.0 | 205.0 | 187.0 | 186.0 |
| 70° | 6666.2 | 5565.1 | 3093.1 | 1106.0 | 540.0 | 415.0 | 329.0 | 241.0 | 194.0 | 176.0 | 173.0 |
| 72.5° | 5350.1 | 4559.1 | 2394.1 | 792.0 | 445.0 | 361.0 | 300.0 | 227.0 | 184.0 | 165.0 | 162.0 |
| 75° | 3438.1 | 3033.1 | 1633.0 | 569.0 | 377.0 | 316.0 | 264.0 | 216.0 | 173.0 | 153.0 | 151.0 |
| 77.5° | 1209.0 | 1181.0 | 857.0 | 439.0 | 327.0 | 273.0 | 228.0 | 194.0 | 157.0 | 125.0 | 119.0 |
| 80° | 314.0 | 330.0 | 396.0 | 377.0 | 276.0 | 228.0 | 189.0 | 165.0 | 135.0 | 99.0 | 97.0 |
| 82.5° | 170.0 | 182.0 | 245.0 | 299.0 | 222.0 | 181.0 | 150.0 | 126.0 | 107.0 | 80.0 | 74.0 |
| 85° | 108.0 | 114.0 | 159.0 | 182.0 | 145.0 | 134.0 | 111.0 | 91.0 | 79.0 | 51.0 | 46.0 |
| 87.5° | 68.0 | 79.0 | 101.0 | 98.0 | 75.0 | 57.0 | 74.0 | 61.0 | 55.0 | 31.0 | 23.0 |
| 90° | 20.0 | 27.0 | 40.0 | 41.0 | 31.0 | 23.0 | 36.0 | 36.0 | 35.0 | 17.0 | 0.0 |
| 92.5° | 2.0 | 2.0 | 3.0 | 7.0 | 8.0 | 9.0 | 15.0 | 19.0 | 19.0 | 4.0 | 0.0 |
| 95° | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 8.0 | 8.0 | 1.0 | 0.0 |
| 97.5° | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 2.0 | 1.0 | 0.0 | 0.0 |
| 100° | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 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 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|-----|------|------|------|------|------|------|------|------|------|
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)