

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: P148528

Luminaire Tested: **TMU-E06-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148528
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E06-LED-E-U-5XQ-8030
Description: TALON MEDIUM LED AREA LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16105.2 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

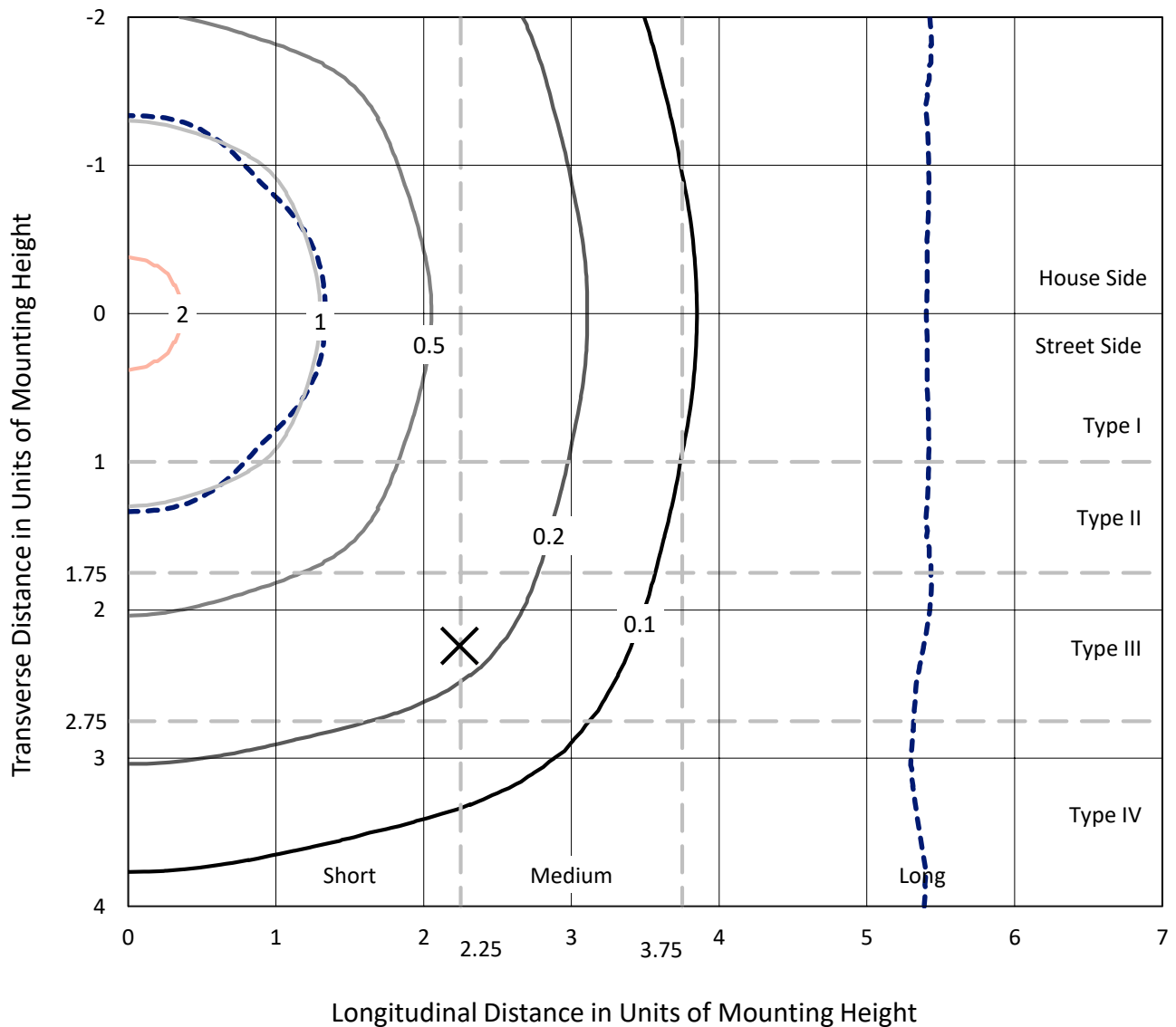
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

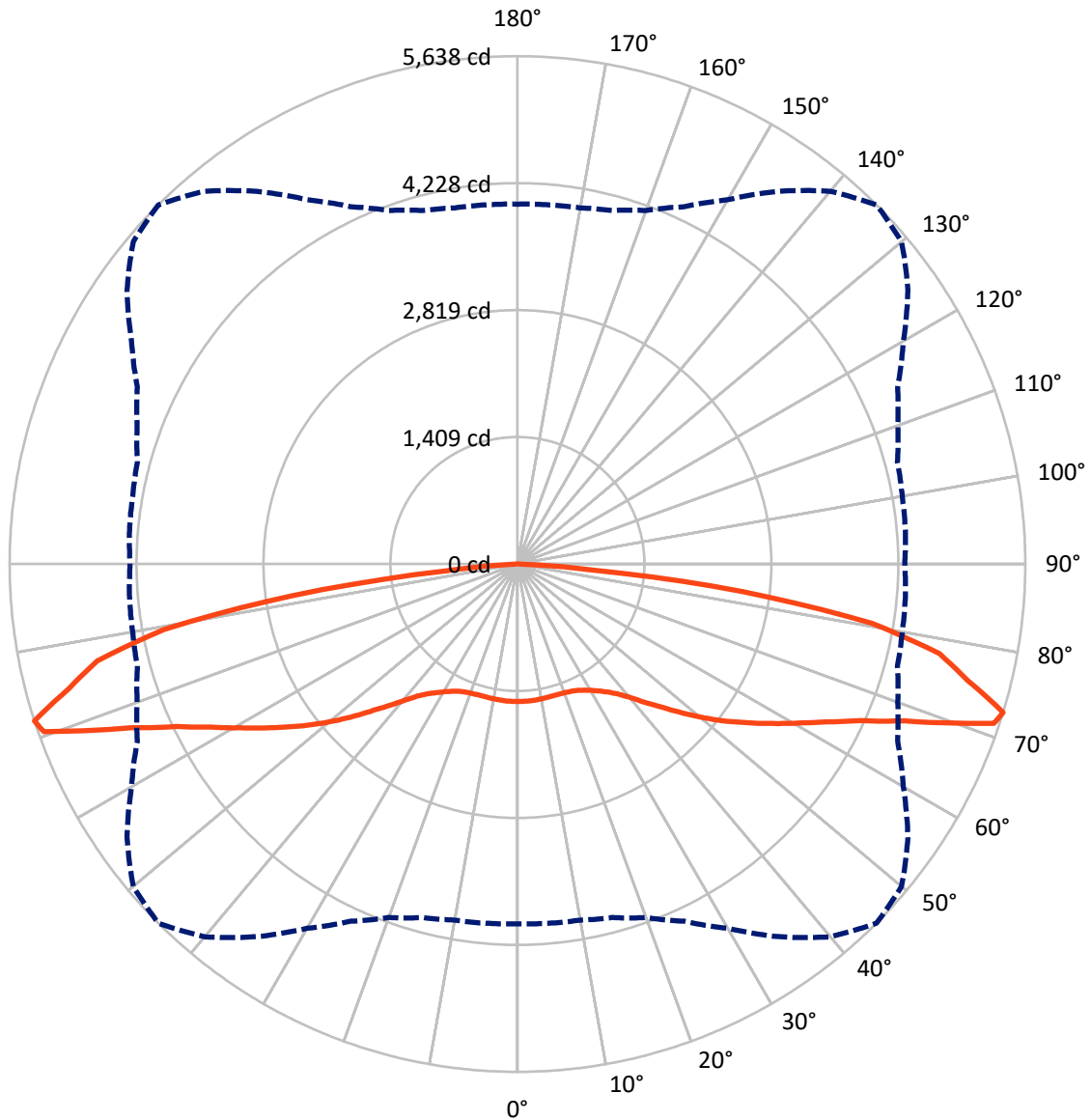
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8052.6 | 0.0 | 8052.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 8052.6 | 0.0 | 8052.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 16105.2 | 0.0 | 16105.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 145.4 | 0.9 |
| 10°-20° | 430.2 | 2.7 |
| 20°-30° | 720.4 | 4.5 |
| 30°-40° | 1098.2 | 6.8 |
| 40°-50° | 1753.6 | 10.9 |
| 50°-60° | 2696.3 | 16.7 |
| 60°-70° | 3925.8 | 24.4 |
| 70°-80° | 4422.4 | 27.5 |
| 80°-90° | 912.9 | 5.7 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 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° | 16105.2 | 100.0 |
| 0°-180° | 16105.2 | 100.0 |



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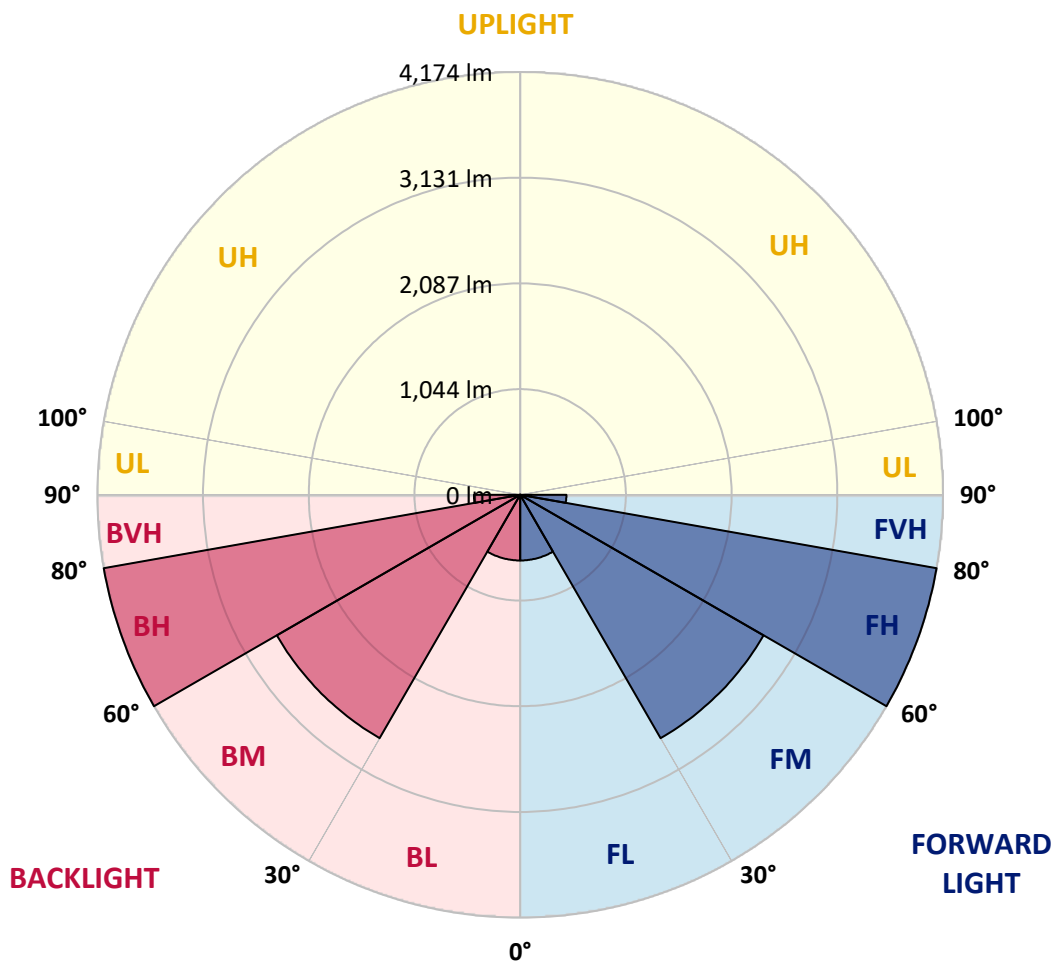
CATALOG NUMBER: TMU-E06-LED-E-U-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 648.0 | 4.0 | | | |
| FM | (30°-60°) | 2774.0 | 17.2 | | | |
| FH | (60°-80°) | 4174.1 | 25.9 | | | G2/5000 |
| FVH | (80°-90°) | 456.5 | 2.8 | | | G3/500 |
| BL | (0°-30°) | 648.0 | 4.0 | B2/1000 | | |
| BM | (30°-60°) | 2774.0 | 17.2 | B3/5000 | | |
| BH | (60°-80°) | 4174.1 | 25.9 | B4/5000 | | G2/5000 |
| BVH | (80°-90°) | 456.5 | 2.8 | | | G3/500 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 |
| 2.5° | 1528.5 | 1529.3 | 1528.9 | 1528.1 | 1528.5 | 1528.1 | 1527.2 | 1526.8 | 1523.8 | 1525.5 | 1528.0 |
| 5° | 1528.5 | 1527.6 | 1527.2 | 1526.8 | 1526.8 | 1528.0 | 1526.8 | 1525.5 | 1525.1 | 1525.9 | 1524.7 |
| 7.5° | 1527.6 | 1526.0 | 1525.1 | 1524.7 | 1525.1 | 1525.5 | 1524.2 | 1522.6 | 1523.8 | 1522.6 | 1520.9 |
| 10° | 1525.1 | 1523.8 | 1524.2 | 1522.6 | 1523.0 | 1522.6 | 1520.9 | 1519.6 | 1520.4 | 1519.2 | 1517.1 |
| 12.5° | 1525.9 | 1523.8 | 1523.4 | 1522.6 | 1522.2 | 1521.7 | 1519.6 | 1517.5 | 1517.9 | 1517.1 | 1515.0 |
| 15° | 1525.9 | 1524.7 | 1524.2 | 1522.6 | 1522.2 | 1521.3 | 1518.8 | 1517.9 | 1517.9 | 1516.6 | 1514.1 |
| 17.5° | 1526.8 | 1525.9 | 1525.9 | 1523.8 | 1523.0 | 1522.6 | 1519.6 | 1518.3 | 1519.6 | 1517.1 | 1515.4 |
| 20° | 1529.3 | 1528.4 | 1528.9 | 1527.6 | 1525.9 | 1526.0 | 1523.8 | 1523.0 | 1523.4 | 1523.0 | 1518.3 |
| 22.5° | 1534.4 | 1534.4 | 1535.2 | 1534.8 | 1534.4 | 1534.8 | 1533.1 | 1533.1 | 1533.5 | 1533.5 | 1529.7 |
| 25° | 1548.7 | 1548.3 | 1549.2 | 1549.1 | 1549.5 | 1552.5 | 1551.2 | 1550.8 | 1553.0 | 1553.0 | 1549.2 |
| 27.5° | 1575.8 | 1574.9 | 1575.7 | 1576.6 | 1578.7 | 1582.5 | 1581.7 | 1582.9 | 1586.3 | 1585.4 | 1582.0 |
| 30° | 1607.0 | 1606.1 | 1608.2 | 1610.8 | 1612.4 | 1618.4 | 1615.8 | 1622.2 | 1625.1 | 1627.6 | 1625.1 |
| 32.5° | 1652.5 | 1652.5 | 1656.4 | 1658.0 | 1661.8 | 1667.7 | 1668.6 | 1673.6 | 1677.4 | 1681.6 | 1678.7 |
| 35° | 1713.3 | 1712.4 | 1715.4 | 1718.4 | 1723.0 | 1728.5 | 1730.6 | 1737.4 | 1743.2 | 1746.2 | 1740.7 |
| 37.5° | 1806.2 | 1801.5 | 1807.0 | 1808.7 | 1812.5 | 1813.7 | 1819.7 | 1828.1 | 1834.4 | 1833.6 | 1829.8 |
| 40° | 1931.9 | 1931.0 | 1929.0 | 1926.4 | 1932.3 | 1934.4 | 1934.4 | 1945.8 | 1956.0 | 1954.3 | 1953.8 |
| 42.5° | 2078.8 | 2075.0 | 2072.4 | 2072.4 | 2075.8 | 2076.6 | 2089.7 | 2098.1 | 2105.4 | 2107.0 | 2105.4 |
| 45° | 2236.6 | 2232.8 | 2233.6 | 2231.9 | 2233.2 | 2238.7 | 2246.3 | 2261.9 | 2275.4 | 2275.8 | 2268.6 |
| 47.5° | 2406.2 | 2394.4 | 2403.7 | 2390.6 | 2398.6 | 2402.8 | 2421.8 | 2444.6 | 2468.3 | 2472.5 | 2466.1 |
| 50° | 2578.4 | 2577.1 | 2576.3 | 2573.8 | 2577.6 | 2586.8 | 2610.0 | 2645.9 | 2668.7 | 2683.9 | 2673.8 |
| 52.5° | 2766.6 | 2760.3 | 2757.3 | 2753.1 | 2756.9 | 2775.0 | 2807.6 | 2838.8 | 2879.7 | 2897.0 | 2883.1 |
| 55° | 2949.8 | 2947.6 | 2936.7 | 2936.2 | 2944.2 | 2972.5 | 3008.0 | 3046.4 | 3090.7 | 3110.1 | 3105.0 |
| 57.5° | 3138.0 | 3125.7 | 3122.4 | 3117.2 | 3133.3 | 3159.9 | 3203.4 | 3272.6 | 3318.6 | 3340.5 | 3327.8 |
| 60° | 3322.0 | 3312.7 | 3305.5 | 3303.8 | 3314.8 | 3351.9 | 3414.4 | 3497.5 | 3554.5 | 3583.2 | 3562.9 |
| 62.5° | 3519.4 | 3513.5 | 3505.1 | 3495.4 | 3518.6 | 3566.3 | 3643.9 | 3735.9 | 3819.9 | 3855.3 | 3824.6 |
| 65° | 3765.0 | 3752.8 | 3743.5 | 3731.3 | 3750.3 | 3810.2 | 3907.7 | 4037.2 | 4149.9 | 4191.2 | 4169.3 |
| 67.5° | 4024.2 | 4012.8 | 4013.6 | 4006.0 | 4039.8 | 4122.9 | 4248.7 | 4424.6 | 4575.7 | 4646.2 | 4604.8 |
| 70° | 4250.4 | 4256.7 | 4258.4 | 4289.2 | 4347.4 | 4474.0 | 4683.3 | 4958.9 | 5188.0 | 5295.6 | 5251.3 |
| 71° | 4183.6 | 4197.6 | 4219.1 | 4251.2 | 4351.6 | 4501.4 | 4787.1 | 5120.9 | 5394.4 | 5576.7 | 5515.5 |
| 72.5° | 3994.6 | 4003.0 | 4014.0 | 4063.0 | 4176.5 | 4374.8 | 4669.0 | 5050.4 | 5402.0 | 5637.9 | 5567.0 |
| 75° | 3721.2 | 3729.2 | 3733.0 | 3767.2 | 3870.5 | 4043.6 | 4312.8 | 4651.2 | 4961.4 | 5162.3 | 5142.4 |
| 77.5° | 3308.4 | 3309.7 | 3339.2 | 3392.0 | 3508.0 | 3706.0 | 3989.6 | 4340.6 | 4632.2 | 4788.4 | 4689.2 |
| 80° | 2375.9 | 2359.8 | 2390.2 | 2458.1 | 2601.6 | 2828.6 | 3119.0 | 3519.9 | 3843.6 | 3989.6 | 3835.9 |
| 82.5° | 903.9 | 952.9 | 1030.1 | 1142.4 | 1190.9 | 1443.2 | 1714.2 | 1949.6 | 2222.2 | 2526.9 | 2450.5 |
| 85° | 97.1 | 109.3 | 137.2 | 170.1 | 214.8 | 297.1 | 410.6 | 560.4 | 690.8 | 811.9 | 720.8 |
| 87.5° | 36.3 | 37.1 | 41.4 | 47.7 | 48.6 | 50.6 | 54.0 | 62.9 | 58.6 | 50.7 | 40.9 |
| 90° | 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):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 | 1525.9 |
| 2.5° | 1525.9 | 1526.4 | 1525.9 | 1526.4 | 1526.4 | 1524.7 | 1525.1 | 1524.2 |
| 5° | 1525.5 | 1524.2 | 1524.7 | 1525.1 | 1524.7 | 1525.5 | 1524.2 | 1525.1 |
| 7.5° | 1523.4 | 1520.9 | 1521.7 | 1521.7 | 1520.8 | 1522.1 | 1521.3 | 1520.8 |
| 10° | 1519.2 | 1515.8 | 1517.5 | 1516.6 | 1516.2 | 1516.6 | 1516.6 | 1516.6 |
| 12.5° | 1515.4 | 1513.3 | 1513.7 | 1513.3 | 1512.9 | 1514.1 | 1513.7 | 1514.2 |
| 15° | 1514.5 | 1511.1 | 1510.8 | 1509.9 | 1510.3 | 1511.1 | 1511.2 | 1512.4 |
| 17.5° | 1513.7 | 1509.5 | 1509.1 | 1508.2 | 1508.6 | 1510.3 | 1510.8 | 1509.9 |
| 20° | 1516.2 | 1512.8 | 1512.0 | 1511.1 | 1510.7 | 1512.8 | 1512.4 | 1512.4 |
| 22.5° | 1528.0 | 1523.8 | 1523.4 | 1520.0 | 1518.8 | 1520.0 | 1519.2 | 1519.2 |
| 25° | 1547.0 | 1542.0 | 1540.3 | 1535.6 | 1532.3 | 1532.3 | 1531.0 | 1530.2 |
| 27.5° | 1581.2 | 1573.6 | 1572.0 | 1568.1 | 1563.5 | 1564.3 | 1561.8 | 1561.4 |
| 30° | 1620.9 | 1614.1 | 1608.2 | 1602.8 | 1597.2 | 1595.1 | 1592.2 | 1591.8 |
| 32.5° | 1672.8 | 1665.2 | 1658.0 | 1651.3 | 1643.7 | 1640.7 | 1635.6 | 1633.1 |
| 35° | 1736.5 | 1726.4 | 1717.9 | 1713.3 | 1705.7 | 1701.9 | 1698.5 | 1702.3 |
| 37.5° | 1825.6 | 1813.3 | 1809.1 | 1803.6 | 1798.6 | 1792.6 | 1793.9 | 1792.6 |
| 40° | 1948.8 | 1937.8 | 1933.6 | 1923.9 | 1922.6 | 1915.8 | 1920.1 | 1915.8 |
| 42.5° | 2101.1 | 2080.8 | 2077.9 | 2070.3 | 2067.8 | 2064.0 | 2065.7 | 2062.7 |
| 45° | 2267.0 | 2248.8 | 2245.5 | 2233.2 | 2233.6 | 2224.8 | 2228.1 | 2228.1 |
| 47.5° | 2453.5 | 2434.5 | 2418.9 | 2410.0 | 2406.6 | 2401.1 | 2404.1 | 2403.7 |
| 50° | 2645.9 | 2620.2 | 2602.8 | 2585.6 | 2578.0 | 2580.1 | 2574.2 | 2584.3 |
| 52.5° | 2852.7 | 2814.3 | 2789.8 | 2773.4 | 2759.0 | 2762.0 | 2762.8 | 2765.8 |
| 55° | 3066.6 | 3017.7 | 2982.2 | 2960.7 | 2947.6 | 2948.5 | 2952.2 | 2955.6 |
| 57.5° | 3281.9 | 3220.6 | 3172.6 | 3140.5 | 3132.0 | 3135.9 | 3135.8 | 3135.4 |
| 60° | 3505.1 | 3431.7 | 3369.6 | 3333.3 | 3325.8 | 3323.6 | 3340.1 | 3334.6 |
| 62.5° | 3744.8 | 3656.6 | 3592.4 | 3546.0 | 3535.0 | 3542.6 | 3557.4 | 3554.0 |
| 65° | 4062.6 | 3940.6 | 3857.9 | 3811.9 | 3793.3 | 3800.9 | 3820.8 | 3819.9 |
| 67.5° | 4472.3 | 4301.8 | 4192.5 | 4133.4 | 4119.9 | 4129.2 | 4140.2 | 4150.8 |
| 70° | 5085.0 | 4841.5 | 4685.4 | 4557.5 | 4502.7 | 4492.2 | 4503.1 | 4503.6 |
| 71° | 5300.7 | 5020.9 | 4772.4 | 4616.2 | 4526.3 | 4488.3 | 4491.3 | 4472.3 |
| 72.5° | 5291.8 | 4947.1 | 4656.3 | 4493.0 | 4368.0 | 4337.7 | 4322.9 | 4300.1 |
| 75° | 4935.2 | 4624.6 | 4372.3 | 4194.2 | 4073.9 | 4038.1 | 4011.9 | 4010.6 |
| 77.5° | 4475.6 | 4246.6 | 3968.4 | 3779.8 | 3633.4 | 3573.9 | 3547.3 | 3546.4 |
| 80° | 3597.9 | 3254.8 | 3051.4 | 2938.0 | 2761.1 | 2710.1 | 2656.0 | 2635.8 |
| 82.5° | 2175.8 | 1700.2 | 1382.5 | 1228.4 | 1143.2 | 941.5 | 844.8 | 799.2 |
| 85° | 506.8 | 360.0 | 248.1 | 162.9 | 117.3 | 93.2 | 71.7 | 63.3 |
| 87.5° | 34.2 | 27.0 | 24.1 | 19.4 | 14.8 | 14.4 | 8.9 | 7.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)