

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: P964480

Luminaire Tested: **NVN-SB3C-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964480
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB3C-722-U-T3-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14921.9 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

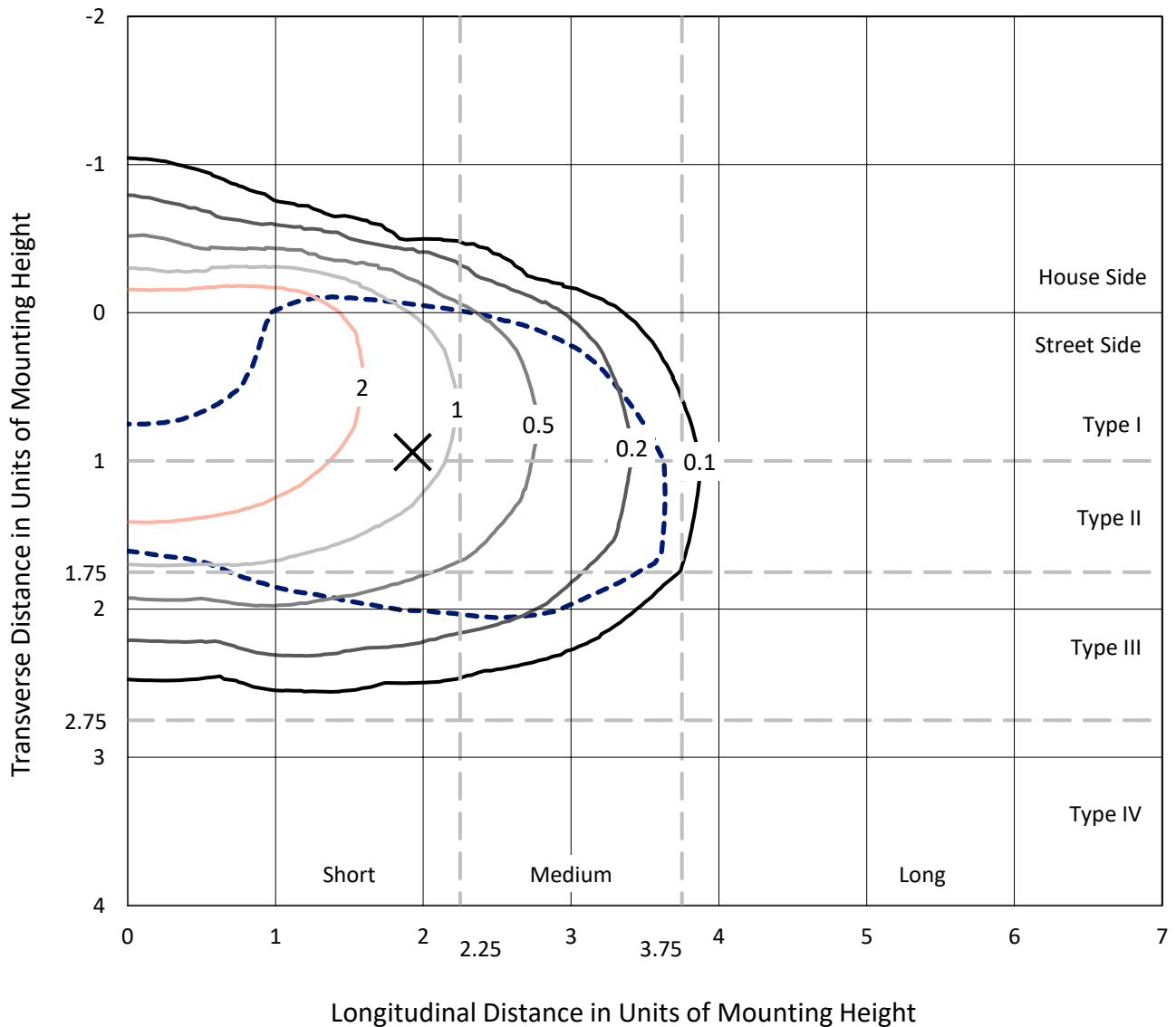
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

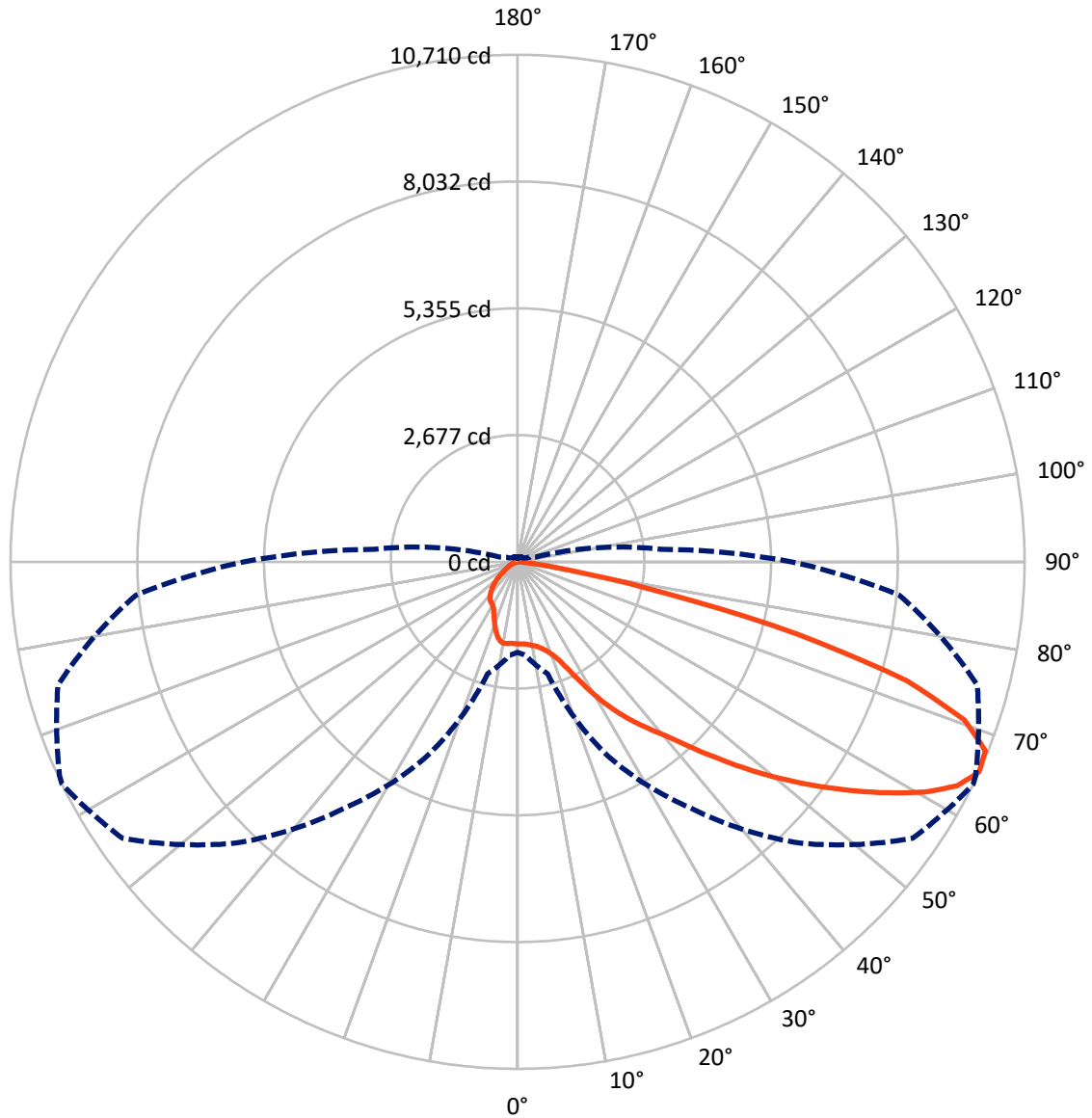
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1995.5 | 0.0 | 1995.5 |
| | % Fixture | 13.4 | 0.0 | 13.4 |
| Street Side | Lumens | 12926.4 | 0.0 | 12926.4 |
| | % Fixture | 86.6 | 0.0 | 86.6 |
| Total | Lumens | 14921.9 | 0.0 | 14921.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 160.1 | 1.1 |
| 10°-20° | 434.3 | 2.9 |
| 20°-30° | 823.0 | 5.5 |
| 30°-40° | 1665.3 | 11.2 |
| 40°-50° | 2836.8 | 19.0 |
| 50°-60° | 3857.9 | 25.9 |
| 60°-70° | 3622.8 | 24.3 |
| 70°-80° | 1451.4 | 9.7 |
| 80°-90° | 70.3 | 0.5 |
| 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° | 14921.9 | 100.0 |
| 0°-180° | 14921.9 | 100.0 |

Coefficient of Utilization



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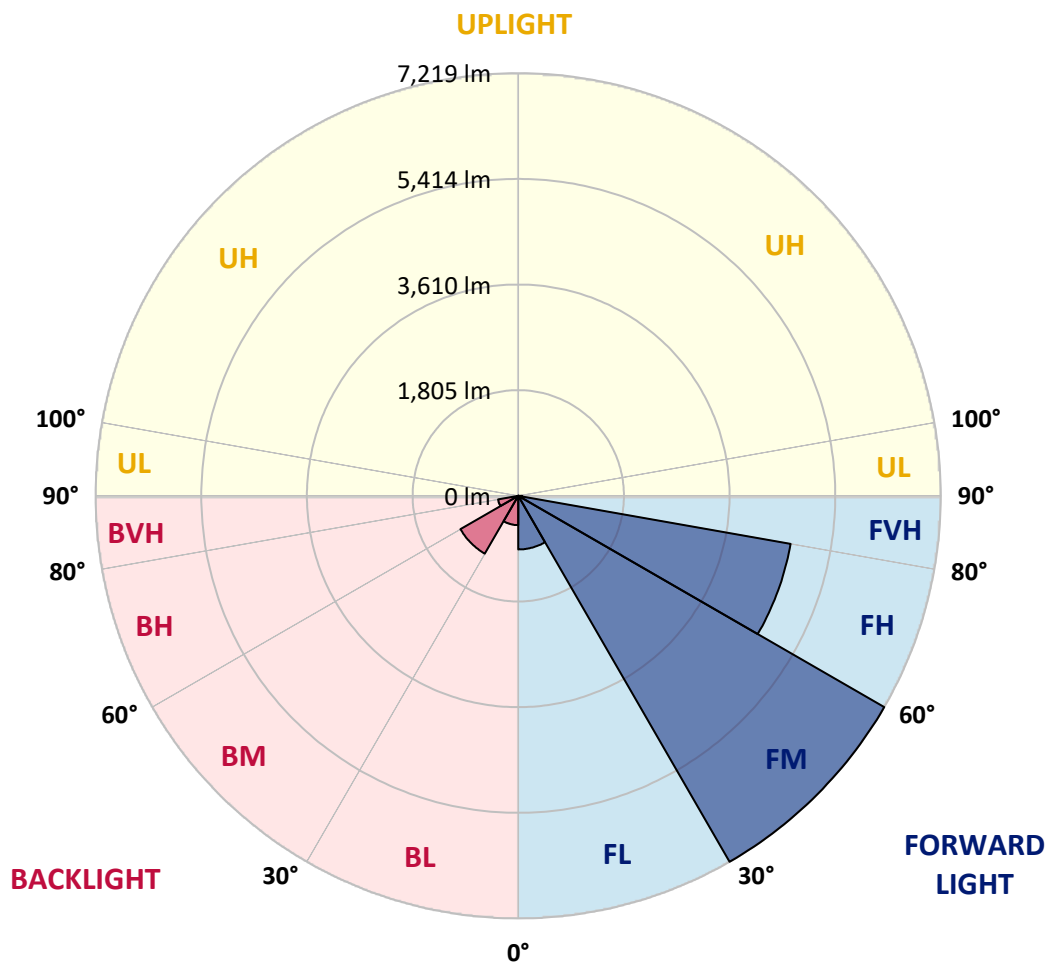
CATALOG NUMBER: NVN-SB3C-722-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 916.4 | 6.1 | | | |
| FM (30°-60°) | 7219.2 | 48.4 | | | |
| FH (60°-80°) | 4723.9 | 31.7 | | | G2/5000 |
| FVH (80°-90°) | 66.9 | 0.4 | | | G1/100 |
| BL (0°-30°) | 501.0 | 3.4 | B2/1000 | | |
| BM (30°-60°) | 1140.8 | 7.6 | B2/2500 | | |
| BH (60°-80°) | 350.3 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.4 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 64° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|--------|
| 0° | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 |
| 2.5° | 1729.6 | 1741.6 | 1738.6 | 1735.5 | 1734.6 | 1736.6 | 1737.6 | 1736.6 | 1736.6 | 1736.6 | 1737.6 |
| 5° | 1696.6 | 1706.5 | 1706.5 | 1713.6 | 1723.5 | 1735.5 | 1744.6 | 1746.6 | 1748.5 | 1751.6 | 1750.6 |
| 7.5° | 1633.5 | 1641.5 | 1647.6 | 1670.5 | 1695.6 | 1727.5 | 1754.6 | 1768.6 | 1770.6 | 1781.6 | 1785.6 |
| 10° | 1590.5 | 1600.5 | 1610.6 | 1634.6 | 1670.5 | 1718.6 | 1764.5 | 1798.6 | 1803.6 | 1829.6 | 1841.6 |
| 12.5° | 1588.5 | 1598.5 | 1611.5 | 1637.5 | 1679.6 | 1730.6 | 1786.6 | 1835.6 | 1844.6 | 1882.6 | 1907.6 |
| 15° | 1609.6 | 1621.6 | 1633.5 | 1665.5 | 1710.5 | 1772.6 | 1832.6 | 1893.6 | 1902.6 | 1956.6 | 1983.7 |
| 17.5° | 1652.5 | 1668.6 | 1677.5 | 1709.6 | 1757.6 | 1826.7 | 1905.7 | 1975.7 | 1983.7 | 2046.7 | 2080.6 |
| 20° | 1737.6 | 1756.5 | 1759.6 | 1785.6 | 1832.6 | 1906.6 | 2000.7 | 2087.7 | 2097.7 | 2169.7 | 2207.7 |
| 22.5° | 1913.7 | 1940.6 | 1916.6 | 1929.7 | 1971.7 | 2045.7 | 2147.7 | 2257.8 | 2271.7 | 2353.8 | 2387.8 |
| 25° | 2223.7 | 2261.8 | 2199.8 | 2177.7 | 2195.8 | 2272.7 | 2400.8 | 2539.8 | 2555.8 | 2621.8 | 2638.9 |
| 27.5° | 2832.9 | 2783.9 | 2689.9 | 2597.9 | 2543.8 | 2587.8 | 2731.9 | 2903.9 | 2924.0 | 2988.0 | 2968.0 |
| 30° | 3502.1 | 3459.2 | 3332.1 | 3128.0 | 3000.0 | 2993.0 | 3126.0 | 3318.1 | 3341.1 | 3402.2 | 3341.1 |
| 32.5° | 4172.4 | 4131.4 | 3993.3 | 3742.3 | 3520.2 | 3410.2 | 3502.1 | 3715.2 | 3727.2 | 3766.3 | 3676.3 |
| 35° | 4831.6 | 4789.6 | 4651.6 | 4394.5 | 4121.4 | 3871.3 | 3853.3 | 4093.3 | 4097.3 | 4138.3 | 4004.4 |
| 37.5° | 5494.8 | 5459.9 | 5312.8 | 5060.7 | 4791.6 | 4446.4 | 4279.4 | 4451.5 | 4456.5 | 4496.5 | 4357.5 |
| 40° | 5968.0 | 5983.0 | 5882.0 | 5686.9 | 5455.8 | 5078.7 | 4757.5 | 4832.6 | 4802.6 | 4869.6 | 4786.5 |
| 42.5° | 6374.2 | 6404.1 | 6316.2 | 6218.1 | 6084.0 | 5751.9 | 5349.8 | 5336.8 | 5288.8 | 5324.8 | 5238.8 |
| 45° | 6725.2 | 6750.2 | 6671.2 | 6648.3 | 6645.2 | 6412.1 | 5997.0 | 5919.0 | 5851.9 | 5845.0 | 5741.9 |
| 47.5° | 6854.3 | 6902.2 | 6936.3 | 7013.4 | 7163.4 | 7065.3 | 6666.2 | 6545.1 | 6470.1 | 6415.2 | 6252.1 |
| 50° | 6903.3 | 6954.3 | 7070.3 | 7294.4 | 7649.6 | 7691.6 | 7332.4 | 7196.4 | 7104.4 | 7004.3 | 6764.3 |
| 52.5° | 6837.3 | 6928.3 | 7084.4 | 7461.5 | 7976.7 | 8193.7 | 7971.6 | 7852.6 | 7747.6 | 7584.5 | 7228.4 |
| 55° | 6448.2 | 6539.2 | 6858.3 | 7459.4 | 8139.7 | 8545.8 | 8575.9 | 8522.9 | 8404.8 | 8147.7 | 7603.6 |
| 57.5° | 5627.9 | 5763.0 | 6268.1 | 7205.4 | 8136.8 | 8848.9 | 9168.0 | 9206.0 | 9074.0 | 8705.9 | 7898.6 |
| 60° | 4491.4 | 4674.5 | 5290.7 | 6642.2 | 7885.6 | 9013.0 | 9687.3 | 9877.3 | 9737.2 | 9256.1 | 8137.7 |
| 62.5° | 3134.0 | 3346.1 | 3929.3 | 5759.9 | 7311.4 | 8894.9 | 10066.3 | 10417.5 | 10311.4 | 9748.3 | 8229.7 |
| 65° | 1911.6 | 1979.7 | 2449.9 | 4532.5 | 6335.1 | 8400.8 | 10183.4 | 10709.6 | 10674.6 | 10049.3 | 8093.7 |
| 67.5° | 1273.5 | 1330.4 | 1465.4 | 3108.0 | 4917.6 | 7413.5 | 9903.3 | 10658.6 | 10668.5 | 10000.3 | 7595.6 |
| 70° | 767.2 | 816.3 | 904.3 | 1807.6 | 3187.0 | 5867.9 | 9036.0 | 10008.3 | 10066.3 | 9345.1 | 6651.2 |
| 72.5° | 316.1 | 349.1 | 429.2 | 819.3 | 1650.6 | 3724.2 | 7195.4 | 8592.9 | 8727.9 | 7857.6 | 5104.7 |
| 75° | 179.1 | 196.1 | 252.0 | 411.1 | 716.3 | 1735.5 | 4358.4 | 6100.0 | 6299.1 | 5415.8 | 3071.0 |
| 77.5° | 119.0 | 127.0 | 163.1 | 266.1 | 403.1 | 592.2 | 1862.6 | 3178.0 | 3558.2 | 2957.9 | 1329.4 |
| 80° | 80.1 | 87.0 | 112.0 | 178.0 | 262.1 | 254.1 | 593.2 | 1177.4 | 1448.5 | 1016.3 | 324.1 |
| 82.5° | 54.0 | 55.0 | 80.1 | 117.1 | 166.0 | 123.0 | 175.1 | 366.1 | 460.1 | 294.1 | 123.0 |
| 85° | 31.1 | 30.0 | 59.0 | 68.1 | 74.0 | 51.0 | 53.0 | 110.1 | 144.0 | 124.0 | 70.0 |
| 87.5° | 4.0 | 6.0 | 23.0 | 18.0 | 10.0 | 11.0 | 11.0 | 19.0 | 28.0 | 30.0 | 15.0 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 | 1735.5 |
| 2.5° | 1737.6 | 1736.6 | 1733.6 | 1730.6 | 1723.5 | 1719.5 | 1721.6 | 1719.5 | 1718.6 | 1719.5 | 1723.5 |
| 5° | 1750.6 | 1747.6 | 1739.6 | 1729.6 | 1715.5 | 1698.5 | 1687.6 | 1671.6 | 1656.5 | 1647.6 | 1649.5 |
| 7.5° | 1785.6 | 1782.6 | 1771.6 | 1743.6 | 1698.5 | 1627.5 | 1562.5 | 1505.5 | 1462.5 | 1437.5 | 1438.5 |
| 10° | 1841.6 | 1836.6 | 1819.6 | 1757.6 | 1639.6 | 1484.5 | 1355.5 | 1248.4 | 1178.4 | 1145.3 | 1142.4 |
| 12.5° | 1907.6 | 1901.7 | 1871.6 | 1744.6 | 1527.6 | 1285.5 | 1107.4 | 988.3 | 923.3 | 894.3 | 891.3 |
| 15° | 1985.6 | 1977.6 | 1918.6 | 1682.5 | 1364.5 | 1065.4 | 902.3 | 813.2 | 771.2 | 745.3 | 746.2 |
| 17.5° | 2082.7 | 2068.7 | 1953.6 | 1589.6 | 1187.4 | 897.3 | 776.2 | 709.2 | 672.2 | 647.2 | 645.2 |
| 20° | 2208.8 | 2185.7 | 1981.6 | 1478.5 | 1024.4 | 791.3 | 691.3 | 635.2 | 607.2 | 585.2 | 581.2 |
| 22.5° | 2384.8 | 2351.8 | 2015.7 | 1358.4 | 909.3 | 718.2 | 628.2 | 587.2 | 564.2 | 539.2 | 535.2 |
| 25° | 2602.9 | 2563.8 | 2057.7 | 1247.4 | 830.2 | 655.2 | 582.2 | 548.2 | 521.2 | 492.2 | 489.1 |
| 27.5° | 2907.9 | 2837.9 | 2107.7 | 1156.4 | 762.3 | 601.2 | 540.2 | 502.1 | 471.2 | 447.1 | 442.2 |
| 30° | 3248.1 | 3133.0 | 2151.7 | 1101.4 | 700.3 | 551.1 | 485.1 | 447.1 | 418.1 | 401.1 | 398.1 |
| 32.5° | 3570.2 | 3414.2 | 2180.7 | 1077.4 | 644.2 | 494.2 | 425.2 | 384.2 | 362.1 | 357.1 | 360.1 |
| 35° | 3874.3 | 3668.3 | 2177.7 | 1054.3 | 594.2 | 437.2 | 366.1 | 324.1 | 307.1 | 310.1 | 310.1 |
| 37.5° | 4224.4 | 3939.3 | 2156.7 | 1018.3 | 553.2 | 385.1 | 315.1 | 278.1 | 263.1 | 264.0 | 268.1 |
| 40° | 4631.6 | 4252.4 | 2143.7 | 950.3 | 508.2 | 337.1 | 273.1 | 243.1 | 232.1 | 228.1 | 227.0 |
| 42.5° | 5065.7 | 4555.5 | 2145.7 | 873.3 | 452.1 | 294.1 | 244.1 | 219.0 | 209.1 | 206.0 | 205.1 |
| 45° | 5501.8 | 4844.7 | 2148.7 | 793.2 | 393.1 | 261.1 | 223.0 | 202.0 | 196.1 | 192.1 | 192.1 |
| 47.5° | 5912.0 | 5090.7 | 2092.7 | 707.2 | 335.1 | 236.1 | 206.0 | 192.1 | 187.1 | 182.0 | 182.0 |
| 50° | 6294.1 | 5254.8 | 1957.6 | 607.2 | 289.0 | 216.1 | 193.1 | 183.1 | 178.0 | 173.0 | 173.0 |
| 52.5° | 6591.2 | 5280.8 | 1734.6 | 504.2 | 257.1 | 201.1 | 185.0 | 176.1 | 170.0 | 165.0 | 164.1 |
| 55° | 6723.3 | 5117.7 | 1417.5 | 408.2 | 232.1 | 188.1 | 177.0 | 168.1 | 161.0 | 156.0 | 155.1 |
| 57.5° | 6689.3 | 4774.6 | 1105.4 | 328.1 | 208.1 | 175.1 | 167.1 | 161.0 | 153.0 | 145.0 | 144.0 |
| 60° | 6522.2 | 4315.5 | 833.3 | 273.1 | 186.0 | 161.0 | 156.0 | 151.1 | 140.0 | 128.0 | 126.1 |
| 62.5° | 6233.0 | 3738.3 | 594.2 | 226.1 | 162.1 | 145.0 | 143.1 | 139.1 | 123.0 | 101.1 | 99.0 |
| 65° | 5790.9 | 3037.0 | 400.2 | 188.1 | 139.1 | 127.0 | 128.0 | 121.1 | 100.0 | 75.0 | 73.0 |
| 67.5° | 5144.7 | 2220.8 | 256.0 | 154.1 | 116.0 | 106.0 | 107.0 | 103.0 | 85.1 | 64.1 | 61.0 |
| 70° | 4321.4 | 1470.5 | 167.1 | 117.1 | 93.1 | 82.0 | 88.0 | 89.1 | 72.1 | 52.0 | 50.0 |
| 72.5° | 3168.1 | 868.3 | 117.1 | 87.0 | 68.1 | 57.0 | 72.1 | 74.0 | 58.0 | 39.1 | 37.0 |
| 75° | 1805.6 | 412.2 | 88.0 | 63.0 | 42.0 | 40.0 | 56.1 | 56.1 | 40.0 | 26.0 | 24.0 |
| 77.5° | 758.3 | 172.1 | 62.0 | 41.0 | 24.0 | 23.0 | 38.0 | 35.1 | 20.0 | 12.0 | 12.0 |
| 80° | 219.0 | 77.0 | 33.0 | 20.0 | 10.0 | 9.0 | 15.0 | 11.0 | 5.0 | 2.0 | 2.0 |
| 82.5° | 86.0 | 34.0 | 13.0 | 8.0 | 4.0 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 51.0 | 14.0 | 6.0 | 3.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 13.0 | 3.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 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)