

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: P967850

Luminaire Tested: **NVN-SB5A-827-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P967850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB5A-827-U-SLR-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15413.9 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

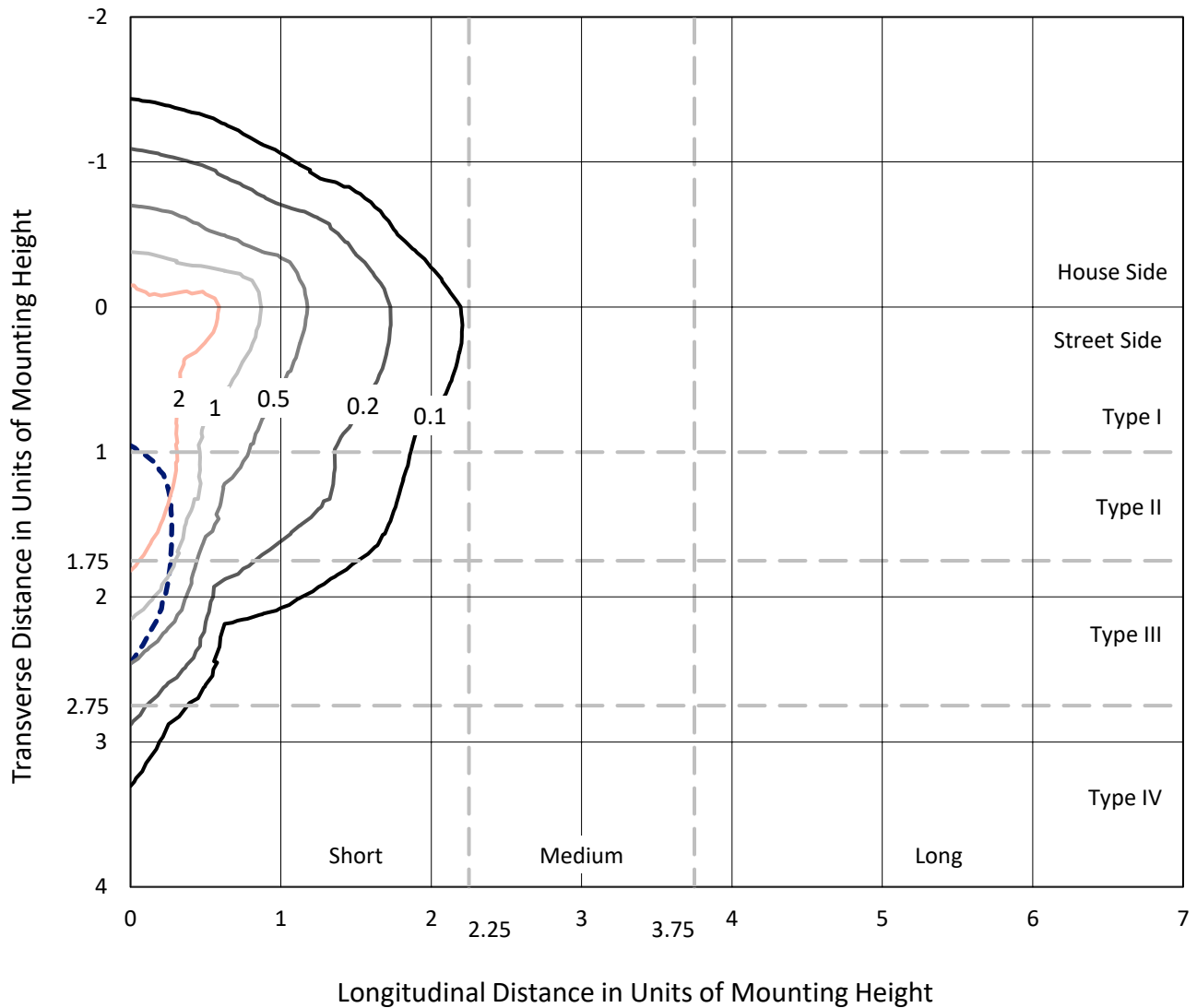
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P967850
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Iso-Footcandle Lines of Horizontal Illumination

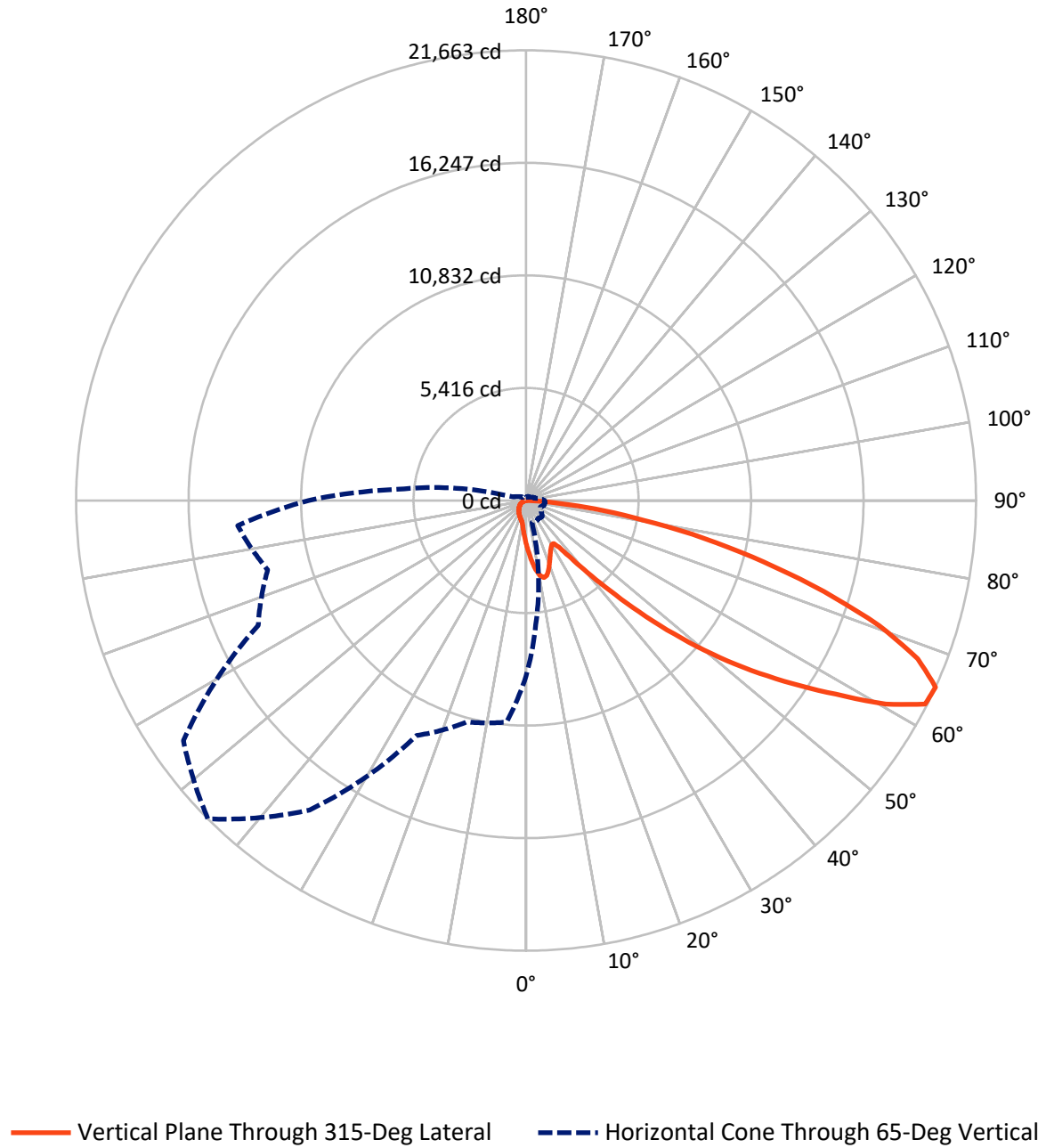
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P967850
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Luminous Intensity Polar Plot



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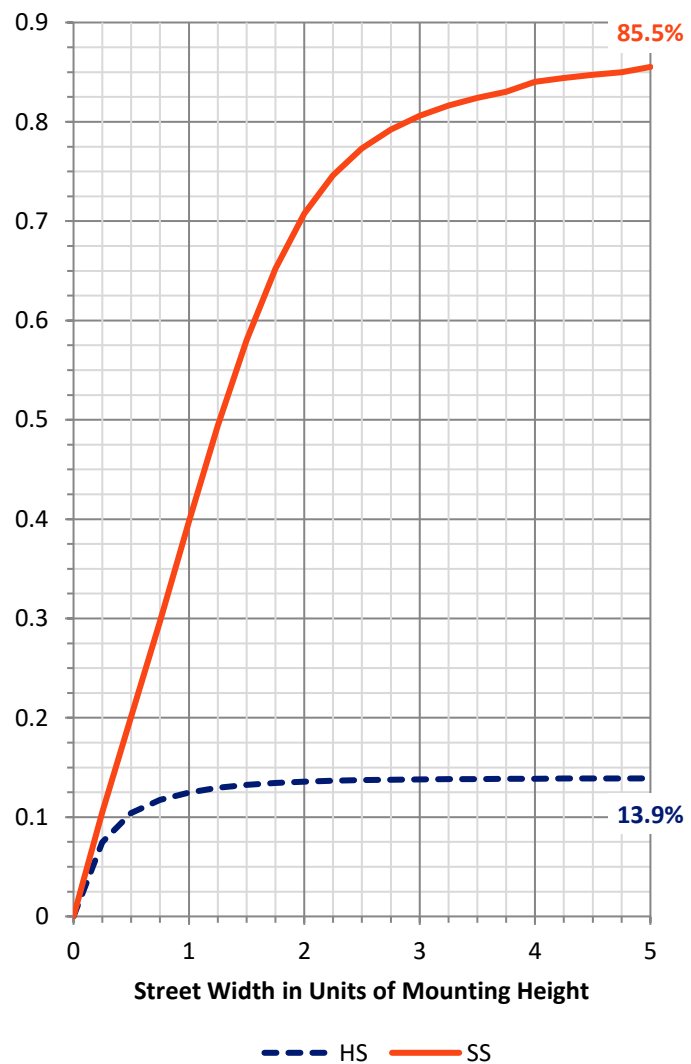
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2158.6 | 0.0 | 2158.6 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 13255.3 | 0.0 | 13255.3 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 15413.9 | 0.0 | 15413.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 210.1 | 1.4 |
| 10°-20° | 629.9 | 4.1 |
| 20°-30° | 928.0 | 6.0 |
| 30°-40° | 1192.2 | 7.7 |
| 40°-50° | 1928.2 | 12.5 |
| 50°-60° | 3381.2 | 21.9 |
| 60°-70° | 4230.8 | 27.4 |
| 70°-80° | 2472.3 | 16.0 |
| 80°-90° | 441.1 | 2.9 |
| 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° | 15413.9 | 100.0 |
| 0°-180° | 15413.9 | 100.0 |

Coefficient of Utilization



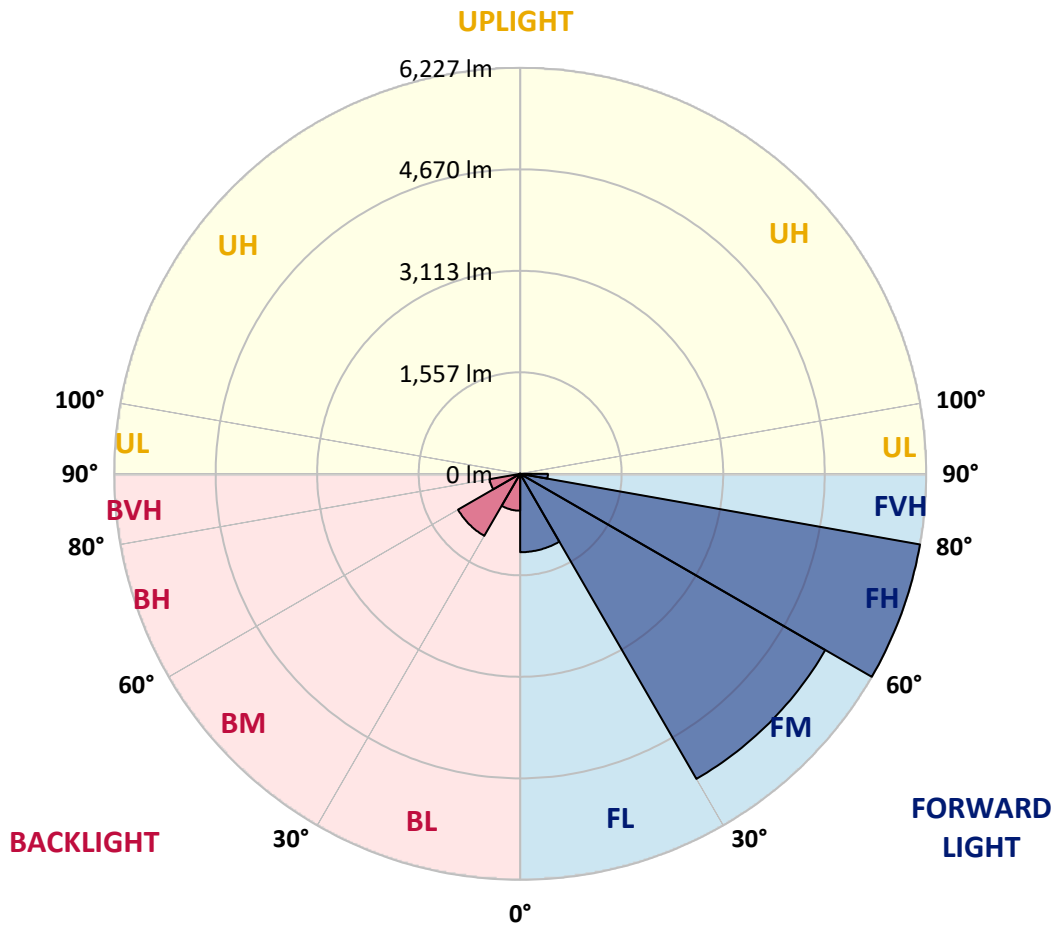
REPORT NUMBER: P967850
 CATALOG NUMBER: NVN-SB5A-827-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1202.2 | 7.8 | | | |
| FM (30°-60°) | 5402.4 | 35.0 | | | |
| FH (60°-80°) | 6226.5 | 40.4 | | | G3/7500 |
| FVH (80°-90°) | 424.2 | 2.8 | | | G3/500 |
| BL (0°-30°) | 565.8 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 1099.2 | 7.1 | B2/2500 | | |
| BH (60°-80°) | 476.6 | 3.1 | B1/500 | | G1/500 |
| BVH (80°-90°) | 16.9 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P967850
 CATALOG NUMBER: NVN-SB5A-827-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 |
| 2.5° | 2411.5 | 2370.1 | 2345.6 | 2285.1 | 2224.6 | 2175.8 | 2110.0 | 2066.4 | 2014.3 | 1964.4 | 1919.8 |
| 5° | 2687.5 | 2620.7 | 2540.0 | 2429.6 | 2328.7 | 2225.7 | 2125.8 | 2027.0 | 1923.0 | 1827.5 | 1769.0 |
| 7.5° | 2921.1 | 2824.6 | 2682.2 | 2535.7 | 2407.2 | 2283.0 | 2166.2 | 2035.5 | 1909.3 | 1759.5 | 1679.9 |
| 10° | 3099.6 | 2976.4 | 2789.5 | 2597.4 | 2449.8 | 2324.4 | 2210.8 | 2100.3 | 1972.9 | 1792.4 | 1692.6 |
| 12.5° | 3207.8 | 3076.2 | 2854.3 | 2629.1 | 2460.3 | 2320.2 | 2232.0 | 2183.1 | 2133.2 | 1953.9 | 1837.0 |
| 15° | 3287.5 | 3145.2 | 2899.9 | 2651.5 | 2435.9 | 2263.9 | 2199.1 | 2247.9 | 2305.3 | 2190.6 | 2055.7 |
| 17.5° | 3370.3 | 3220.7 | 2959.4 | 2661.0 | 2370.1 | 2154.5 | 2126.9 | 2253.3 | 2386.0 | 2380.7 | 2246.9 |
| 20° | 3448.9 | 3300.3 | 3011.4 | 2654.6 | 2263.9 | 2021.8 | 2046.2 | 2207.6 | 2361.6 | 2426.4 | 2354.1 |
| 22.5° | 3539.2 | 3382.0 | 3061.4 | 2630.3 | 2125.8 | 1897.6 | 1974.0 | 2135.4 | 2270.3 | 2346.7 | 2324.4 |
| 25° | 3649.6 | 3485.0 | 3131.4 | 2594.2 | 1977.2 | 1794.6 | 1900.8 | 2051.5 | 2160.9 | 2214.0 | 2212.9 |
| 27.5° | 3768.5 | 3608.2 | 3224.9 | 2575.0 | 1857.2 | 1721.3 | 1817.9 | 1951.7 | 2049.4 | 2086.6 | 2086.6 |
| 30° | 3916.1 | 3751.6 | 3335.4 | 2553.8 | 1778.6 | 1678.8 | 1731.9 | 1836.0 | 1931.5 | 1968.7 | 1968.7 |
| 32.5° | 4077.6 | 3910.8 | 3441.4 | 2502.8 | 1730.8 | 1647.0 | 1648.0 | 1713.8 | 1800.9 | 1845.5 | 1851.9 |
| 35° | 4279.3 | 4101.9 | 3555.1 | 2391.3 | 1692.6 | 1609.8 | 1566.2 | 1598.1 | 1670.3 | 1723.4 | 1737.2 |
| 37.5° | 4567.1 | 4352.6 | 3694.2 | 2232.0 | 1636.3 | 1552.5 | 1480.2 | 1487.7 | 1542.9 | 1601.3 | 1622.5 |
| 40° | 4964.2 | 4689.2 | 3857.7 | 2066.4 | 1555.6 | 1471.7 | 1385.7 | 1382.5 | 1422.9 | 1480.2 | 1503.6 |
| 42.5° | 5501.5 | 5134.1 | 4054.2 | 1908.1 | 1478.2 | 1374.0 | 1285.9 | 1280.6 | 1312.4 | 1362.3 | 1386.8 |
| 45° | 6210.8 | 5703.2 | 4295.3 | 1772.2 | 1417.6 | 1278.5 | 1191.4 | 1189.3 | 1215.9 | 1259.3 | 1284.8 |
| 47.5° | 7118.7 | 6494.3 | 4536.2 | 1679.9 | 1385.7 | 1203.0 | 1113.9 | 1118.2 | 1141.5 | 1180.8 | 1198.8 |
| 50° | 8294.2 | 7525.4 | 4609.5 | 1633.1 | 1385.7 | 1162.8 | 1044.9 | 1066.1 | 1085.3 | 1115.0 | 1125.6 |
| 52.5° | 9703.3 | 8515.1 | 4367.4 | 1590.7 | 1394.2 | 1168.1 | 986.5 | 1032.2 | 1045.9 | 1071.4 | 1075.6 |
| 55° | 11009.3 | 9000.3 | 3754.8 | 1532.3 | 1396.4 | 1201.0 | 936.5 | 1004.5 | 1030.0 | 1039.6 | 1038.5 |
| 57.5° | 11767.5 | 8833.7 | 3035.8 | 1433.5 | 1387.8 | 1223.2 | 904.7 | 970.6 | 1019.4 | 1025.7 | 1016.2 |
| 60° | 11623.1 | 8248.5 | 2235.2 | 1358.1 | 1325.2 | 1214.7 | 895.1 | 918.5 | 996.0 | 1005.6 | 992.8 |
| 62.5° | 10510.2 | 7267.4 | 1551.3 | 1299.7 | 1187.2 | 1177.6 | 892.0 | 836.7 | 945.0 | 968.4 | 950.4 |
| 65° | 8448.2 | 5721.3 | 1095.8 | 1119.2 | 1040.6 | 1096.9 | 874.9 | 751.8 | 883.4 | 915.3 | 887.8 |
| 67.5° | 6129.1 | 3871.5 | 791.1 | 906.8 | 942.9 | 966.3 | 836.7 | 690.2 | 813.3 | 855.9 | 819.8 |
| 70° | 3933.1 | 2090.8 | 555.3 | 598.9 | 794.3 | 820.8 | 770.9 | 635.0 | 742.2 | 791.1 | 751.8 |
| 72.5° | 2795.9 | 1234.9 | 399.2 | 419.4 | 638.2 | 683.9 | 678.6 | 573.4 | 659.4 | 718.8 | 672.2 |
| 75° | 1929.4 | 680.7 | 269.7 | 299.4 | 463.0 | 555.3 | 523.5 | 492.7 | 558.5 | 619.1 | 573.4 |
| 77.5° | 1209.5 | 304.7 | 161.4 | 208.1 | 303.7 | 436.4 | 359.0 | 381.2 | 435.3 | 491.6 | 443.8 |
| 80° | 673.2 | 117.9 | 90.3 | 138.1 | 165.6 | 317.5 | 198.5 | 245.3 | 320.7 | 361.0 | 322.8 |
| 82.5° | 146.6 | 14.9 | 40.4 | 59.4 | 64.8 | 184.8 | 105.2 | 142.3 | 201.7 | 198.5 | 172.0 |
| 85° | 0.0 | 0.0 | 7.5 | 8.5 | 4.2 | 79.6 | 38.2 | 46.7 | 65.8 | 61.6 | 46.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 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 |

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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 |
| 2.5° | 1911.3 | 1859.4 | 1821.1 | 1802.0 | 1786.1 | 1800.9 | 1809.4 | 1809.4 | 1845.5 | 1866.7 | 1875.2 |
| 5° | 1731.9 | 1638.5 | 1567.3 | 1519.6 | 1490.9 | 1500.4 | 1511.1 | 1522.7 | 1568.4 | 1599.2 | 1619.3 |
| 7.5° | 1607.6 | 1464.3 | 1356.0 | 1289.1 | 1254.1 | 1259.3 | 1266.8 | 1276.3 | 1320.9 | 1351.8 | 1378.3 |
| 10° | 1584.3 | 1378.3 | 1225.4 | 1137.2 | 1094.8 | 1087.3 | 1083.1 | 1079.9 | 1106.5 | 1129.9 | 1151.1 |
| 12.5° | 1679.9 | 1382.5 | 1169.1 | 1061.9 | 1009.8 | 987.5 | 962.1 | 941.9 | 946.1 | 960.9 | 987.5 |
| 15° | 1850.8 | 1436.7 | 1151.1 | 1022.5 | 957.8 | 920.7 | 890.9 | 866.4 | 861.2 | 866.4 | 870.7 |
| 17.5° | 2046.2 | 1509.9 | 1148.9 | 988.6 | 907.8 | 869.7 | 845.2 | 823.0 | 815.5 | 816.6 | 821.8 |
| 20° | 2175.8 | 1568.4 | 1142.6 | 950.4 | 860.1 | 826.2 | 804.9 | 782.6 | 775.2 | 777.3 | 778.4 |
| 22.5° | 2188.5 | 1599.2 | 1133.0 | 907.8 | 812.3 | 783.6 | 762.4 | 742.2 | 741.2 | 741.2 | 747.5 |
| 25° | 2119.5 | 1599.2 | 1112.8 | 869.7 | 766.7 | 741.2 | 722.1 | 697.6 | 701.9 | 704.0 | 712.5 |
| 27.5° | 2012.2 | 1561.0 | 1074.6 | 838.9 | 727.3 | 700.8 | 681.7 | 659.4 | 664.7 | 667.9 | 677.4 |
| 30° | 1906.1 | 1512.1 | 1028.9 | 803.8 | 690.2 | 659.4 | 645.6 | 626.5 | 628.6 | 632.8 | 643.5 |
| 32.5° | 1807.3 | 1460.0 | 974.8 | 775.2 | 653.0 | 622.3 | 611.6 | 590.4 | 593.6 | 597.8 | 609.5 |
| 35° | 1709.6 | 1402.7 | 911.1 | 741.2 | 619.1 | 588.2 | 579.7 | 555.3 | 557.5 | 563.9 | 576.6 |
| 37.5° | 1604.4 | 1342.2 | 859.1 | 707.2 | 586.2 | 554.3 | 545.8 | 520.3 | 522.4 | 529.8 | 544.7 |
| 40° | 1494.0 | 1282.7 | 808.1 | 671.1 | 551.1 | 519.3 | 511.8 | 484.2 | 486.4 | 494.9 | 510.8 |
| 42.5° | 1382.5 | 1217.9 | 768.7 | 624.3 | 515.0 | 481.0 | 473.6 | 448.1 | 451.3 | 460.8 | 476.7 |
| 45° | 1279.5 | 1140.4 | 743.3 | 572.4 | 481.0 | 442.8 | 435.3 | 412.0 | 418.4 | 429.0 | 445.0 |
| 47.5° | 1191.4 | 1060.8 | 732.7 | 528.8 | 445.0 | 403.5 | 397.1 | 378.0 | 388.7 | 400.4 | 413.1 |
| 50° | 1116.0 | 984.3 | 718.8 | 484.2 | 410.9 | 369.5 | 363.2 | 350.4 | 364.2 | 375.9 | 387.6 |
| 52.5° | 1061.9 | 897.3 | 689.1 | 443.8 | 381.2 | 340.8 | 338.8 | 332.4 | 345.1 | 355.7 | 366.3 |
| 55° | 1015.2 | 807.0 | 641.3 | 408.8 | 354.6 | 316.4 | 318.6 | 315.4 | 326.0 | 334.5 | 344.1 |
| 57.5° | 972.6 | 728.5 | 580.9 | 381.2 | 326.0 | 295.2 | 301.6 | 297.4 | 302.6 | 307.9 | 319.6 |
| 60° | 921.7 | 648.8 | 508.6 | 350.4 | 292.0 | 274.0 | 281.4 | 269.7 | 268.7 | 270.8 | 274.0 |
| 62.5° | 846.3 | 541.5 | 433.3 | 312.2 | 262.3 | 250.6 | 253.8 | 231.4 | 214.5 | 214.5 | 217.7 |
| 65° | 741.2 | 435.3 | 363.2 | 269.7 | 228.3 | 218.7 | 216.6 | 184.8 | 161.4 | 159.3 | 168.8 |
| 67.5° | 619.1 | 357.8 | 301.6 | 227.2 | 190.0 | 183.7 | 185.8 | 162.5 | 139.1 | 136.9 | 147.6 |
| 70° | 504.4 | 296.2 | 243.1 | 181.5 | 146.6 | 152.9 | 162.5 | 139.1 | 116.8 | 113.6 | 123.2 |
| 72.5° | 409.9 | 235.7 | 190.0 | 139.1 | 108.3 | 126.4 | 138.1 | 113.6 | 92.4 | 90.3 | 98.7 |
| 75° | 316.4 | 173.1 | 135.9 | 94.5 | 78.6 | 97.7 | 108.3 | 82.8 | 65.8 | 62.6 | 70.1 |
| 77.5° | 211.4 | 107.2 | 76.5 | 59.4 | 46.7 | 66.9 | 72.2 | 43.6 | 38.2 | 37.2 | 42.4 |
| 80° | 128.5 | 49.9 | 32.9 | 28.7 | 15.9 | 24.4 | 28.7 | 18.0 | 20.2 | 21.2 | 25.5 |
| 82.5° | 64.8 | 13.8 | 5.3 | 1.0 | 0.0 | 0.0 | 8.5 | 4.2 | 8.5 | 10.7 | 15.9 |
| 85° | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 5.3 | 9.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 |
| 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):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 | 2134.4 |
| 2.5° | 1934.7 | 1979.3 | 2021.8 | 2089.8 | 2159.8 | 2228.9 | 2299.0 | 2366.9 | 2391.3 | 2409.4 | 2449.8 |
| 5° | 1711.7 | 1795.6 | 1893.3 | 2028.2 | 2172.6 | 2321.2 | 2472.0 | 2610.1 | 2672.7 | 2715.2 | 2810.8 |
| 7.5° | 1481.3 | 1590.7 | 1730.8 | 1933.7 | 2159.8 | 2396.7 | 2633.4 | 2851.1 | 2952.0 | 3033.7 | 3179.2 |
| 10° | 1253.0 | 1372.0 | 1549.3 | 1780.7 | 2086.6 | 2426.4 | 2753.4 | 3052.9 | 3183.4 | 3286.5 | 3484.0 |
| 12.5° | 1052.3 | 1163.8 | 1349.6 | 1605.6 | 1971.9 | 2403.0 | 2822.4 | 3182.4 | 3336.4 | 3452.1 | 3668.7 |
| 15° | 911.1 | 989.6 | 1154.3 | 1430.3 | 1836.0 | 2327.6 | 2826.6 | 3244.0 | 3412.8 | 3533.9 | 3721.8 |
| 17.5° | 832.5 | 859.1 | 966.3 | 1251.9 | 1685.2 | 2228.9 | 2787.4 | 3265.2 | 3445.7 | 3558.3 | 3688.9 |
| 20° | 790.1 | 794.3 | 824.0 | 1020.5 | 1491.9 | 2136.5 | 2750.2 | 3286.5 | 3476.5 | 3571.0 | 3610.4 |
| 22.5° | 756.0 | 756.0 | 763.5 | 834.7 | 1242.4 | 2026.0 | 2738.5 | 3323.7 | 3519.0 | 3577.5 | 3496.7 |
| 25° | 725.3 | 725.3 | 727.3 | 746.5 | 984.3 | 1857.2 | 2731.1 | 3381.0 | 3577.5 | 3593.3 | 3371.4 |
| 27.5° | 693.4 | 694.4 | 694.4 | 705.1 | 793.2 | 1627.8 | 2699.2 | 3455.3 | 3647.5 | 3614.6 | 3251.4 |
| 30° | 661.5 | 663.7 | 663.7 | 671.1 | 701.9 | 1359.1 | 2636.6 | 3544.4 | 3738.8 | 3642.1 | 3132.5 |
| 32.5° | 629.7 | 631.8 | 631.8 | 638.2 | 660.5 | 1085.3 | 2558.0 | 3626.2 | 3831.1 | 3653.8 | 3022.0 |
| 35° | 596.8 | 599.9 | 597.8 | 606.3 | 629.7 | 863.3 | 2458.2 | 3708.0 | 3931.0 | 3691.0 | 2967.9 |
| 37.5° | 563.9 | 566.0 | 564.9 | 573.4 | 599.9 | 745.4 | 2342.4 | 3769.6 | 4066.9 | 3773.8 | 3032.7 |
| 40° | 530.9 | 529.8 | 529.8 | 539.5 | 568.1 | 711.5 | 2197.0 | 3867.3 | 4262.3 | 3919.3 | 3315.2 |
| 42.5° | 496.9 | 496.9 | 494.9 | 505.4 | 540.5 | 685.9 | 2057.9 | 4042.5 | 4546.9 | 4150.8 | 3816.3 |
| 45° | 466.2 | 465.1 | 460.8 | 470.4 | 513.9 | 641.3 | 2009.0 | 4369.6 | 4967.4 | 4525.7 | 4422.7 |
| 47.5° | 436.4 | 435.3 | 424.8 | 433.3 | 482.1 | 601.1 | 2191.7 | 4904.7 | 5550.4 | 5076.7 | 4990.7 |
| 50° | 409.9 | 410.9 | 390.7 | 398.2 | 450.2 | 570.2 | 2587.7 | 5599.2 | 6324.5 | 5819.0 | 5529.1 |
| 52.5° | 385.5 | 385.5 | 359.0 | 363.2 | 410.9 | 542.6 | 2964.7 | 6352.0 | 7346.0 | 6854.3 | 6156.7 |
| 55° | 361.0 | 359.0 | 329.1 | 331.3 | 371.7 | 503.3 | 3021.0 | 7086.8 | 8739.2 | 8412.1 | 7014.7 |
| 57.5° | 333.4 | 329.1 | 301.6 | 301.6 | 335.6 | 474.7 | 2618.6 | 7651.7 | 10467.8 | 10701.4 | 8251.8 |
| 60° | 299.4 | 296.2 | 278.2 | 272.9 | 306.9 | 500.1 | 1847.7 | 7717.6 | 11582.8 | 13745.8 | 10620.7 |
| 62.5° | 255.9 | 260.1 | 250.6 | 243.1 | 279.3 | 519.3 | 1094.8 | 7187.7 | 11313.0 | 14714.2 | 13458.0 |
| 65° | 201.7 | 218.7 | 216.6 | 211.4 | 306.9 | 437.5 | 646.7 | 6170.5 | 10485.9 | 13932.6 | 12879.3 |
| 67.5° | 172.0 | 183.7 | 180.5 | 180.5 | 321.7 | 332.4 | 406.7 | 4820.9 | 9347.6 | 13005.7 | 11504.2 |
| 70° | 146.6 | 158.3 | 146.6 | 146.6 | 243.1 | 201.7 | 281.4 | 3366.1 | 8119.0 | 11979.9 | 10601.6 |
| 72.5° | 121.1 | 132.7 | 120.0 | 111.5 | 194.3 | 150.8 | 206.0 | 2103.5 | 6953.1 | 10911.6 | 9983.6 |
| 75° | 92.4 | 106.2 | 96.7 | 86.0 | 128.5 | 112.5 | 156.1 | 1222.2 | 5760.6 | 9335.9 | 9103.3 |
| 77.5° | 58.4 | 76.5 | 72.2 | 60.5 | 94.5 | 81.8 | 112.5 | 727.3 | 4444.9 | 7295.0 | 7830.2 |
| 80° | 36.1 | 39.3 | 40.4 | 38.2 | 54.1 | 55.2 | 76.5 | 414.1 | 3042.2 | 5084.2 | 6117.4 |
| 82.5° | 23.4 | 23.4 | 18.0 | 20.2 | 26.5 | 31.9 | 43.6 | 156.1 | 1788.2 | 3095.3 | 4258.1 |
| 85° | 17.0 | 14.9 | 9.5 | 9.5 | 12.7 | 15.9 | 17.0 | 47.8 | 725.3 | 1222.2 | 1665.0 |
| 87.5° | 8.5 | 7.5 | 3.2 | 4.2 | 6.4 | 5.3 | 4.2 | 2.2 | 182.7 | 390.7 | 274.0 |
| 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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