

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: P970805

Luminaire Tested: **NVN-SB6C-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-722-U-T3R-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32014.9 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

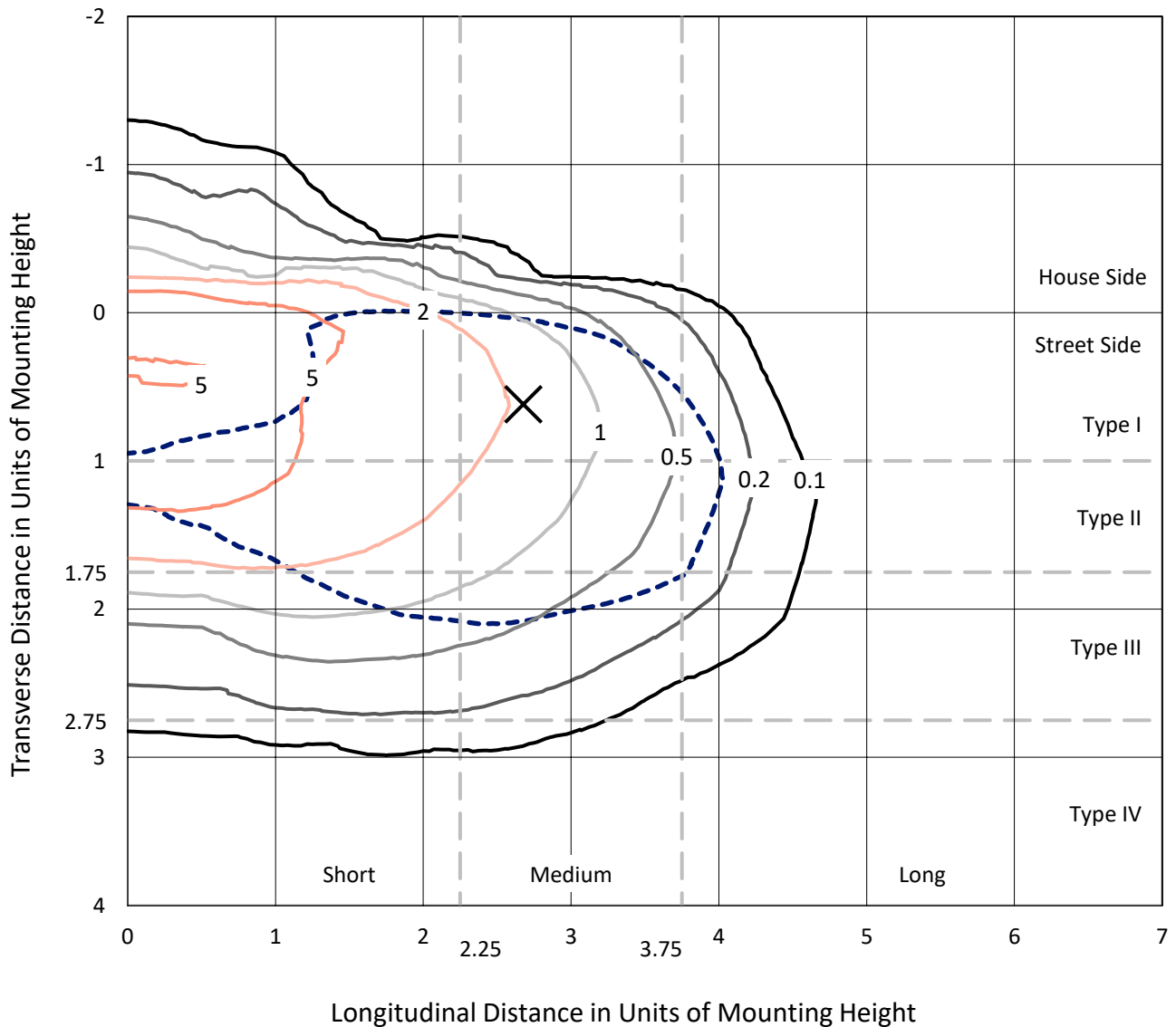
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

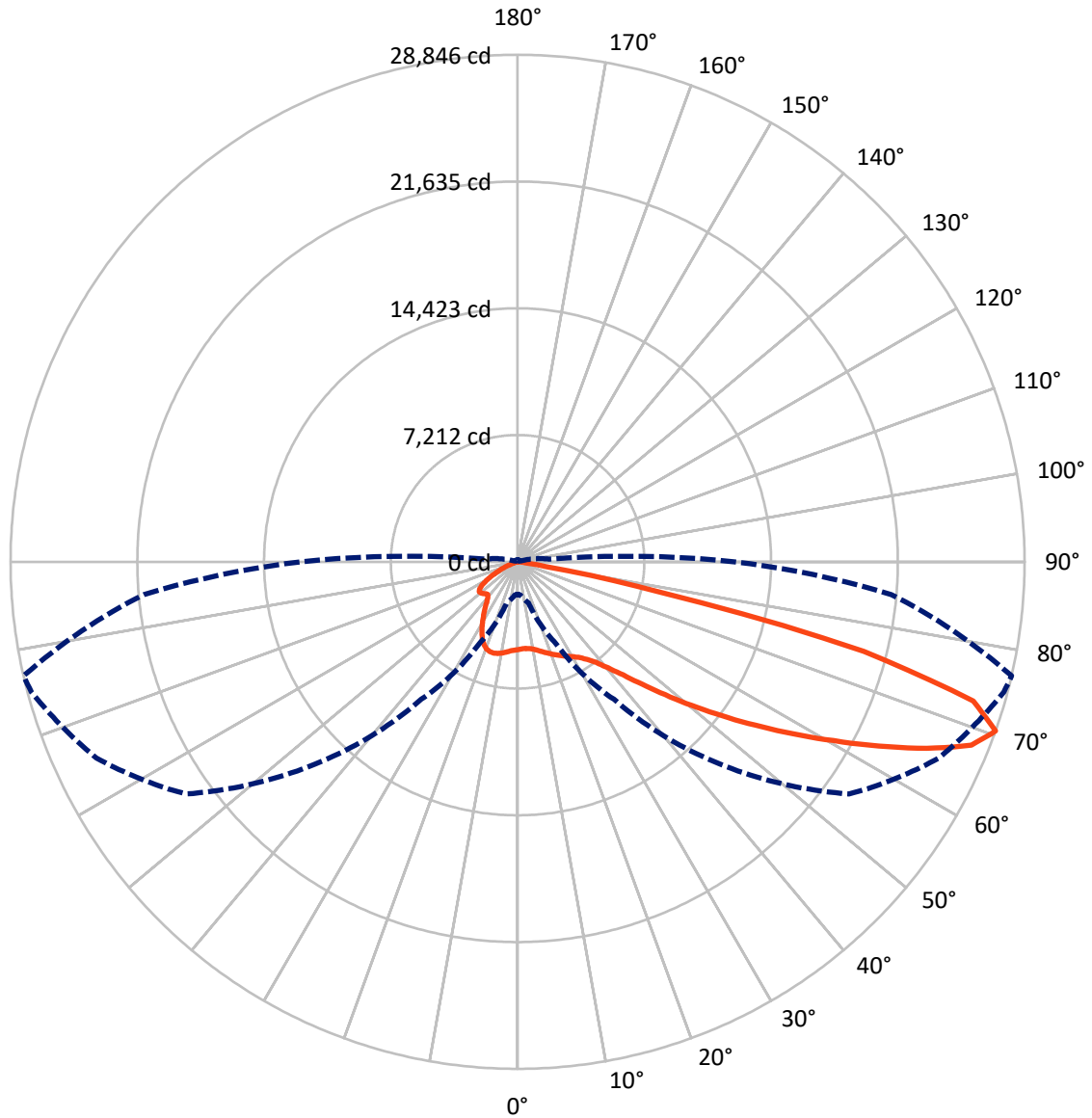
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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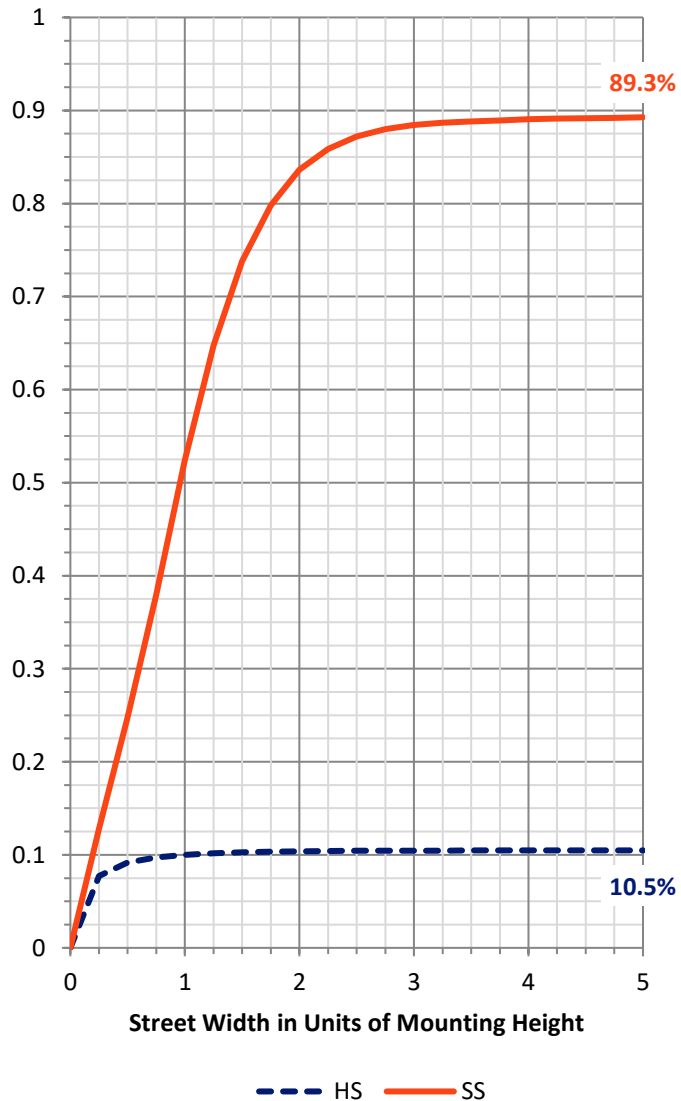
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3374.8 | 0.0 | 3374.8 |
| | % Fixture | 10.5 | 0.0 | 10.5 |
| Street Side | Lumens | 28640.0 | 0.0 | 28640.0 |
| | % Fixture | 89.5 | 0.0 | 89.5 |
| Total | Lumens | 32014.9 | 0.0 | 32014.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 430.4 | 1.3 |
| 10°-20° | 1021.7 | 3.2 |
| 20°-30° | 1580.2 | 4.9 |
| 30°-40° | 2867.4 | 9.0 |
| 40°-50° | 5412.6 | 16.9 |
| 50°-60° | 7820.8 | 24.4 |
| 60°-70° | 8325.1 | 26.0 |
| 70°-80° | 4411.7 | 13.8 |
| 80°-90° | 144.9 | 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° | 32014.9 | 100.0 |
| 0°-180° | 32014.9 | 100.0 |

Coefficient of Utilization

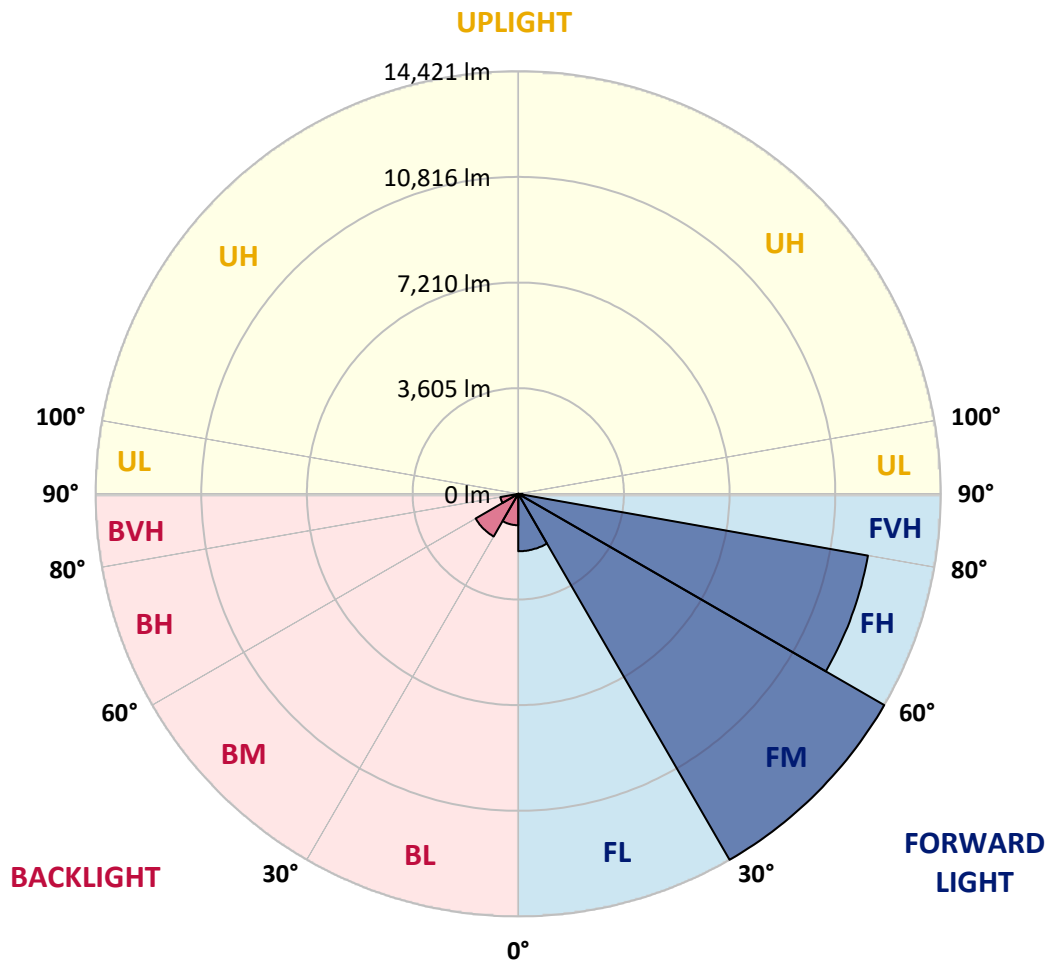


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1960.1 | 6.1 | | | |
| FM (30°-60°) | 14420.9 | 45.0 | | | |
| FH (60°-80°) | 12118.1 | 37.9 | | | G5 |
| FVH (80°-90°) | 141.0 | 0.4 | | | G2/225 |
| BL (0°-30°) | 1072.2 | 3.3 | B3/2500 | | |
| BM (30°-60°) | 1680.0 | 5.2 | B2/2500 | | |
| BH (60°-80°) | 618.7 | 1.9 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 3.9 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 77° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 |
| 2.5° | 4688.5 | 4730.9 | 4724.8 | 4753.1 | 4763.3 | 4803.7 | 4844.2 | 4898.7 | 4959.4 | 4957.3 | 4997.8 |
| 5° | 4423.6 | 4466.0 | 4476.2 | 4514.6 | 4563.1 | 4625.8 | 4708.6 | 4817.8 | 4931.1 | 4949.2 | 5030.1 |
| 7.5° | 4110.2 | 4154.7 | 4181.0 | 4257.8 | 4346.8 | 4476.2 | 4611.6 | 4771.4 | 4959.4 | 4985.7 | 5141.3 |
| 10° | 3796.9 | 3837.3 | 3871.6 | 3980.8 | 4122.3 | 4314.4 | 4534.8 | 4765.3 | 5018.0 | 5056.4 | 5276.8 |
| 12.5° | 3602.8 | 3641.2 | 3679.6 | 3774.7 | 3950.6 | 4185.1 | 4484.3 | 4793.6 | 5115.1 | 5169.6 | 5460.8 |
| 15° | 3534.0 | 3568.4 | 3598.8 | 3683.6 | 3847.4 | 4114.2 | 4474.1 | 4852.2 | 5238.4 | 5311.1 | 5683.1 |
| 17.5° | 3544.1 | 3562.3 | 3582.6 | 3647.3 | 3807.0 | 4082.0 | 4492.4 | 4953.3 | 5383.9 | 5448.6 | 5905.5 |
| 20° | 3602.8 | 3612.9 | 3614.9 | 3659.4 | 3800.9 | 4077.9 | 4528.8 | 5050.4 | 5521.4 | 5608.4 | 6125.9 |
| 22.5° | 3677.6 | 3681.6 | 3677.6 | 3707.9 | 3839.3 | 4108.2 | 4577.2 | 5167.6 | 5675.1 | 5756.0 | 6348.3 |
| 25° | 4027.3 | 3950.6 | 3853.5 | 3794.9 | 3904.0 | 4166.8 | 4650.0 | 5325.3 | 5842.9 | 5921.7 | 6564.6 |
| 27.5° | 5113.0 | 4892.6 | 4545.0 | 4154.7 | 4037.5 | 4251.8 | 4751.1 | 5485.0 | 6012.8 | 6083.5 | 6797.2 |
| 30° | 6876.0 | 6586.9 | 5996.6 | 5117.1 | 4466.0 | 4429.6 | 4882.6 | 5644.8 | 6192.6 | 6269.5 | 7045.8 |
| 32.5° | 8643.0 | 8572.3 | 7891.0 | 6673.8 | 5430.4 | 4825.9 | 5100.9 | 5861.1 | 6431.2 | 6491.8 | 7381.4 |
| 35° | 10430.2 | 10286.7 | 9728.7 | 8525.7 | 6916.4 | 5632.6 | 5464.8 | 6144.2 | 6744.6 | 6813.3 | 7870.7 |
| 37.5° | 11799.0 | 11712.1 | 11366.3 | 10375.7 | 8679.4 | 6878.1 | 6087.5 | 6582.9 | 7199.5 | 7276.3 | 8497.5 |
| 40° | 13008.0 | 12967.6 | 12850.3 | 12197.3 | 10650.6 | 8507.5 | 7055.9 | 7262.1 | 7830.3 | 7921.2 | 9265.7 |
| 42.5° | 13958.2 | 14053.3 | 14120.0 | 13938.0 | 12682.4 | 10367.6 | 8358.0 | 8216.4 | 8709.7 | 8802.7 | 10244.3 |
| 45° | 14930.7 | 14963.1 | 15231.9 | 15494.7 | 14700.1 | 12312.5 | 9825.8 | 9334.5 | 9803.5 | 9918.7 | 11416.9 |
| 47.5° | 15555.4 | 15684.8 | 16157.9 | 16620.9 | 16396.4 | 14241.2 | 11402.7 | 10654.7 | 11071.1 | 11287.5 | 12731.0 |
| 50° | 15601.9 | 15846.5 | 16497.6 | 17304.3 | 17631.7 | 16077.0 | 13117.1 | 12158.9 | 12601.7 | 12840.2 | 14134.1 |
| 52.5° | 14827.5 | 15207.6 | 16216.5 | 17397.2 | 18298.9 | 17631.7 | 14890.3 | 13663.0 | 14231.1 | 14542.5 | 15589.7 |
| 55° | 11368.4 | 11865.7 | 15159.1 | 16891.8 | 18325.2 | 18810.4 | 16616.8 | 15229.9 | 16046.7 | 16398.5 | 17162.7 |
| 57.5° | 9904.6 | 10155.3 | 11918.3 | 16014.3 | 17838.0 | 19285.6 | 18177.7 | 16722.0 | 18022.0 | 18458.6 | 18648.6 |
| 60° | 8240.7 | 8570.2 | 9995.6 | 14578.9 | 17176.8 | 19332.0 | 19556.5 | 18646.7 | 20163.0 | 20654.3 | 20011.4 |
| 62.5° | 5600.3 | 5958.1 | 7375.4 | 12112.3 | 16273.1 | 19309.8 | 20686.7 | 20628.0 | 22542.6 | 23070.3 | 21165.7 |
| 65° | 3469.3 | 3693.8 | 4627.8 | 9890.4 | 15009.5 | 19334.1 | 21869.3 | 23033.9 | 25053.6 | 25589.3 | 22059.4 |
| 67.5° | 2741.5 | 2844.6 | 3331.9 | 7593.7 | 12832.1 | 18788.1 | 23050.0 | 25296.2 | 27417.0 | 27841.6 | 22332.3 |
| 70° | 1841.8 | 1904.4 | 2424.1 | 5090.8 | 9546.7 | 16269.1 | 23027.9 | 26432.4 | 28634.1 | 28846.4 | 21337.6 |
| 72.5° | 970.5 | 1019.0 | 1417.3 | 2357.4 | 5766.0 | 11564.5 | 19410.8 | 25073.9 | 27423.1 | 27103.7 | 18238.2 |
| 75° | 485.2 | 566.1 | 954.3 | 1196.9 | 2462.5 | 6449.4 | 12053.7 | 19768.8 | 21584.2 | 20347.0 | 11701.9 |
| 77.5° | 368.0 | 444.7 | 788.5 | 788.5 | 857.2 | 2171.4 | 5104.9 | 10782.1 | 9945.1 | 8281.1 | 3435.0 |
| 80° | 234.5 | 303.3 | 689.4 | 596.4 | 357.8 | 552.0 | 1330.3 | 3020.5 | 2112.7 | 1607.3 | 624.7 |
| 82.5° | 137.5 | 198.1 | 574.2 | 394.2 | 200.2 | 204.2 | 376.1 | 642.9 | 547.9 | 426.6 | 192.1 |
| 85° | 54.6 | 129.4 | 394.2 | 155.7 | 78.8 | 50.5 | 113.3 | 137.5 | 113.3 | 84.9 | 48.5 |
| 87.5° | 0.0 | 30.3 | 68.8 | 0.0 | 6.0 | 4.0 | 8.1 | 10.1 | 10.1 | 8.1 | 16.2 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 | 4993.7 |
| 2.5° | 5015.9 | 5020.0 | 5032.1 | 5034.2 | 5005.9 | 4969.5 | 4955.4 | 4949.2 | 4925.0 | 4923.0 | 4927.0 |
| 5° | 5076.6 | 5094.9 | 5076.6 | 5024.0 | 4898.7 | 4722.8 | 4589.4 | 4480.2 | 4381.2 | 4350.8 | 4332.7 |
| 7.5° | 5198.0 | 5216.1 | 5161.6 | 4955.4 | 4640.0 | 4290.1 | 3974.7 | 3752.4 | 3552.2 | 3477.4 | 3447.1 |
| 10° | 5371.8 | 5396.1 | 5224.2 | 4807.8 | 4249.8 | 3687.6 | 3153.9 | 2777.9 | 2484.7 | 2365.5 | 2314.9 |
| 12.5° | 5590.1 | 5600.3 | 5258.6 | 4583.3 | 3742.3 | 2939.6 | 2183.5 | 1781.1 | 1520.4 | 1423.3 | 1393.0 |
| 15° | 5830.7 | 5816.6 | 5262.7 | 4278.0 | 3050.8 | 2078.4 | 1425.4 | 1170.6 | 1065.5 | 1033.1 | 1033.1 |
| 17.5° | 6083.5 | 6024.8 | 5181.8 | 3837.3 | 2292.7 | 1421.3 | 1057.4 | 996.7 | 978.6 | 970.5 | 968.4 |
| 20° | 6332.1 | 6200.7 | 5034.2 | 3261.1 | 1645.7 | 1061.4 | 960.3 | 942.2 | 932.0 | 928.0 | 923.9 |
| 22.5° | 6558.6 | 6334.2 | 4781.4 | 2591.9 | 1194.8 | 938.1 | 907.7 | 891.5 | 873.4 | 865.3 | 863.3 |
| 25° | 6778.9 | 6411.0 | 4425.6 | 1967.2 | 956.3 | 877.4 | 853.2 | 822.9 | 798.6 | 788.5 | 784.4 |
| 27.5° | 6993.3 | 6459.5 | 3980.8 | 1455.7 | 853.2 | 820.8 | 776.3 | 733.9 | 715.7 | 711.7 | 707.7 |
| 30° | 7221.7 | 6475.6 | 3475.4 | 1085.7 | 790.5 | 750.1 | 685.4 | 636.8 | 626.8 | 628.7 | 628.7 |
| 32.5° | 7500.7 | 6499.9 | 2965.9 | 889.6 | 737.9 | 665.1 | 588.3 | 537.8 | 529.7 | 537.8 | 535.8 |
| 35° | 7834.3 | 6548.5 | 2474.7 | 818.8 | 691.5 | 578.2 | 495.3 | 452.8 | 444.7 | 450.9 | 448.8 |
| 37.5° | 8287.2 | 6627.3 | 2015.7 | 804.6 | 653.0 | 505.4 | 416.5 | 382.1 | 382.1 | 384.2 | 382.1 |
| 40° | 8889.6 | 6837.6 | 1605.3 | 794.6 | 632.8 | 450.9 | 351.8 | 337.6 | 343.7 | 347.8 | 347.8 |
| 42.5° | 9623.5 | 7284.4 | 1328.3 | 782.4 | 610.6 | 426.6 | 319.4 | 313.3 | 323.5 | 327.5 | 327.5 |
| 45° | 10446.4 | 7850.5 | 1231.2 | 762.2 | 590.4 | 442.8 | 305.2 | 297.1 | 309.3 | 311.4 | 313.3 |
| 47.5° | 11297.6 | 8404.5 | 1219.1 | 739.9 | 570.1 | 467.0 | 301.2 | 283.0 | 297.1 | 299.2 | 301.2 |
| 50° | 12158.9 | 8766.3 | 1231.2 | 705.6 | 537.8 | 467.0 | 303.3 | 268.9 | 281.1 | 287.1 | 289.2 |
| 52.5° | 13026.2 | 8932.2 | 1223.1 | 630.8 | 481.1 | 438.7 | 303.3 | 256.8 | 268.9 | 273.0 | 273.0 |
| 55° | 13867.2 | 8899.8 | 1099.8 | 519.6 | 408.4 | 388.2 | 295.2 | 246.6 | 254.7 | 256.8 | 256.8 |
| 57.5° | 14532.3 | 8448.9 | 871.4 | 404.4 | 331.6 | 323.5 | 268.9 | 234.5 | 240.6 | 238.5 | 238.5 |
| 60° | 14880.1 | 7458.3 | 622.7 | 311.4 | 260.8 | 254.7 | 236.6 | 218.3 | 222.4 | 212.3 | 210.2 |
| 62.5° | 14884.1 | 6148.2 | 416.5 | 246.6 | 208.3 | 202.1 | 202.1 | 196.1 | 192.1 | 171.9 | 165.7 |
| 65° | 14566.8 | 4694.5 | 277.0 | 196.1 | 167.8 | 157.7 | 169.8 | 167.8 | 153.6 | 125.4 | 121.3 |
| 67.5° | 13847.0 | 3077.2 | 210.2 | 153.6 | 129.4 | 123.3 | 135.5 | 141.6 | 131.4 | 105.2 | 103.1 |
| 70° | 12367.0 | 1791.3 | 173.8 | 119.3 | 97.1 | 91.0 | 109.2 | 121.3 | 109.2 | 84.9 | 80.9 |
| 72.5° | 10272.6 | 966.4 | 141.6 | 89.0 | 66.7 | 60.7 | 86.9 | 99.0 | 86.9 | 62.6 | 60.7 |
| 75° | 6665.8 | 517.5 | 109.2 | 58.6 | 34.3 | 38.4 | 64.7 | 72.8 | 60.7 | 40.4 | 36.4 |
| 77.5° | 2238.1 | 228.5 | 68.8 | 28.3 | 16.2 | 16.2 | 38.4 | 44.5 | 28.3 | 14.1 | 12.1 |
| 80° | 499.4 | 95.0 | 28.3 | 12.1 | 6.0 | 6.0 | 8.1 | 8.1 | 4.0 | 0.0 | 0.0 |
| 82.5° | 163.8 | 38.4 | 12.1 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 62.6 | 14.1 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 24.3 | 2.0 | 0.0 | 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)