

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: P970803

Luminaire Tested: **NVN-SB6C-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-722-U-T2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38102.3 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

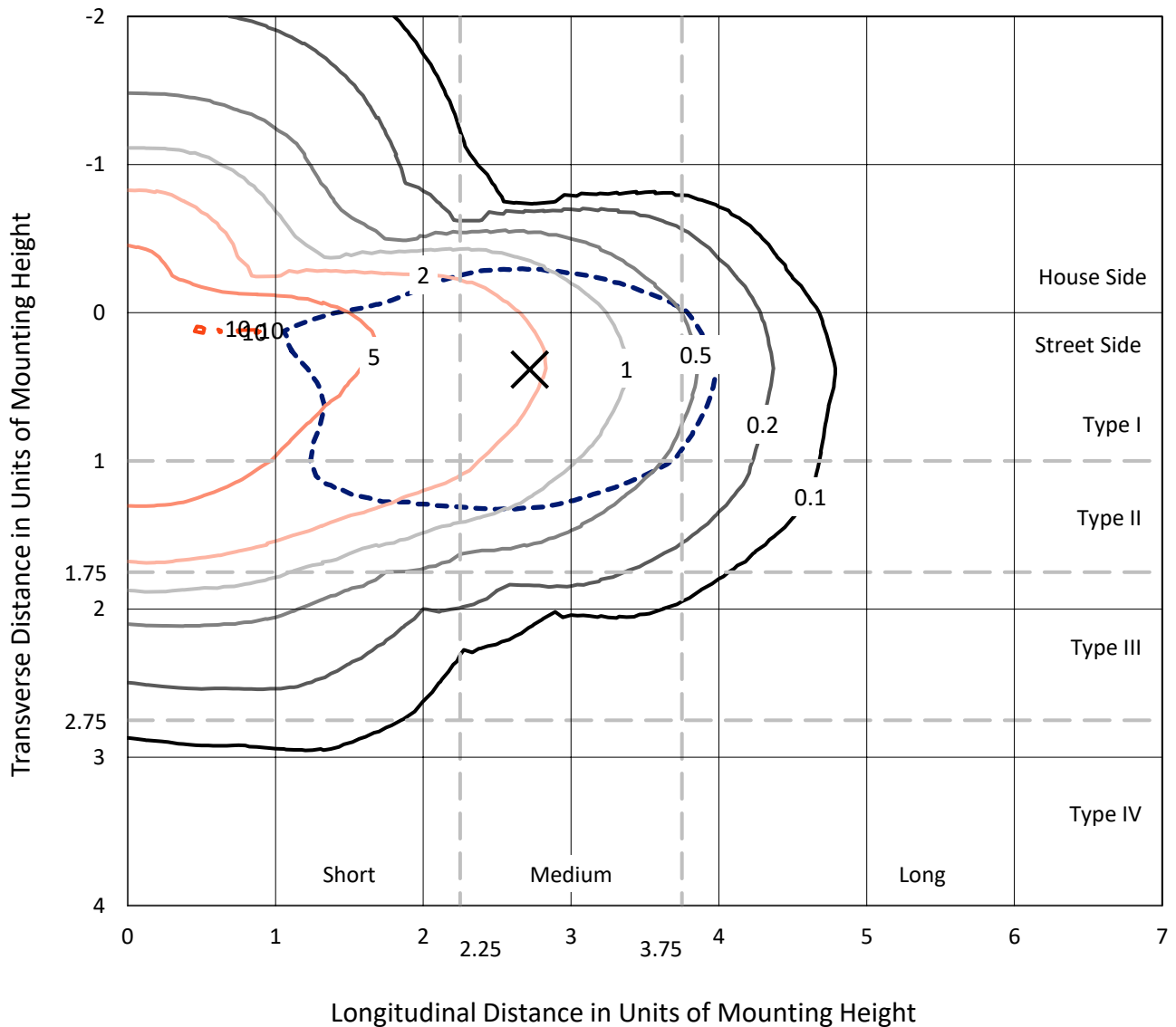
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

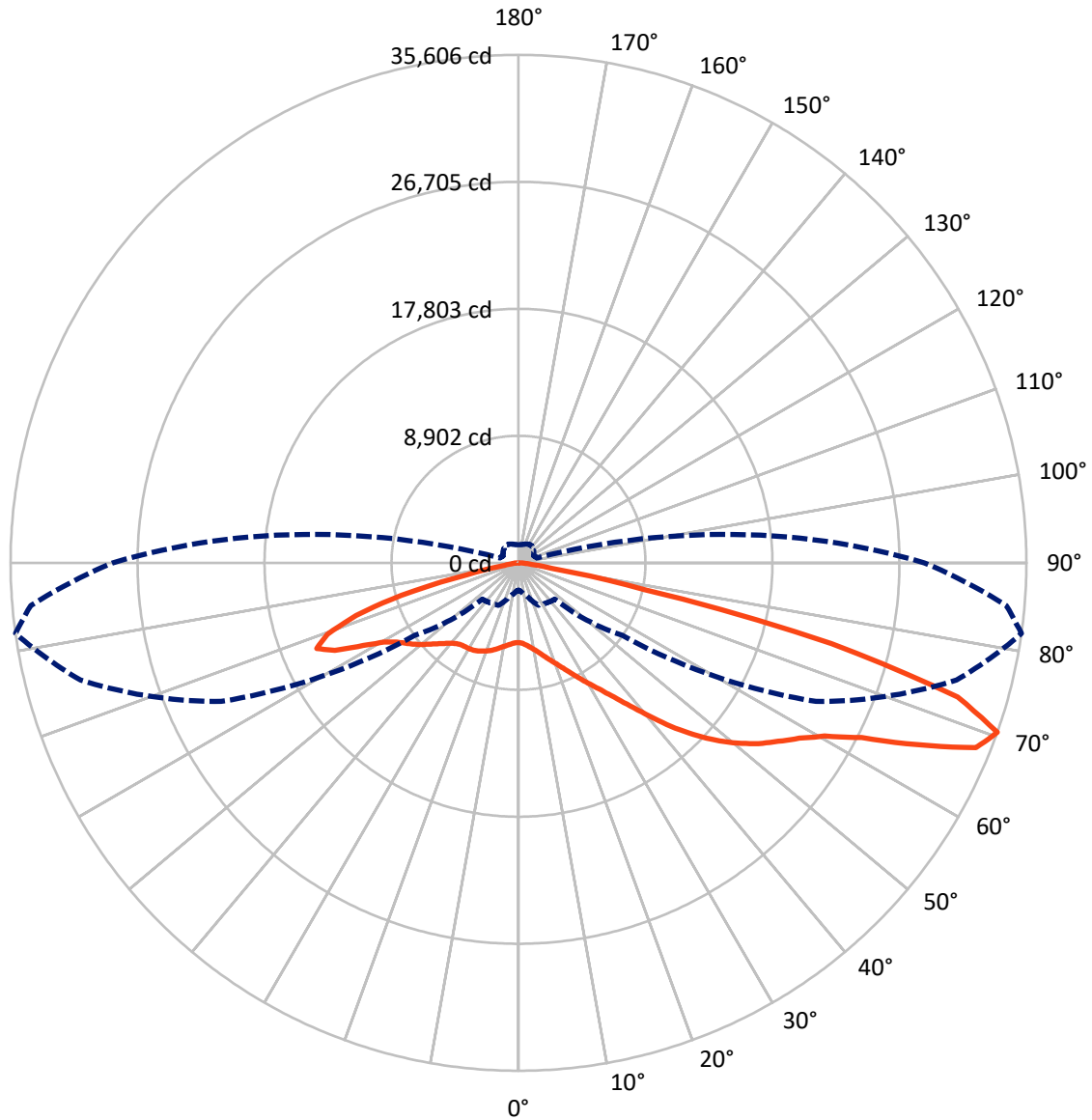
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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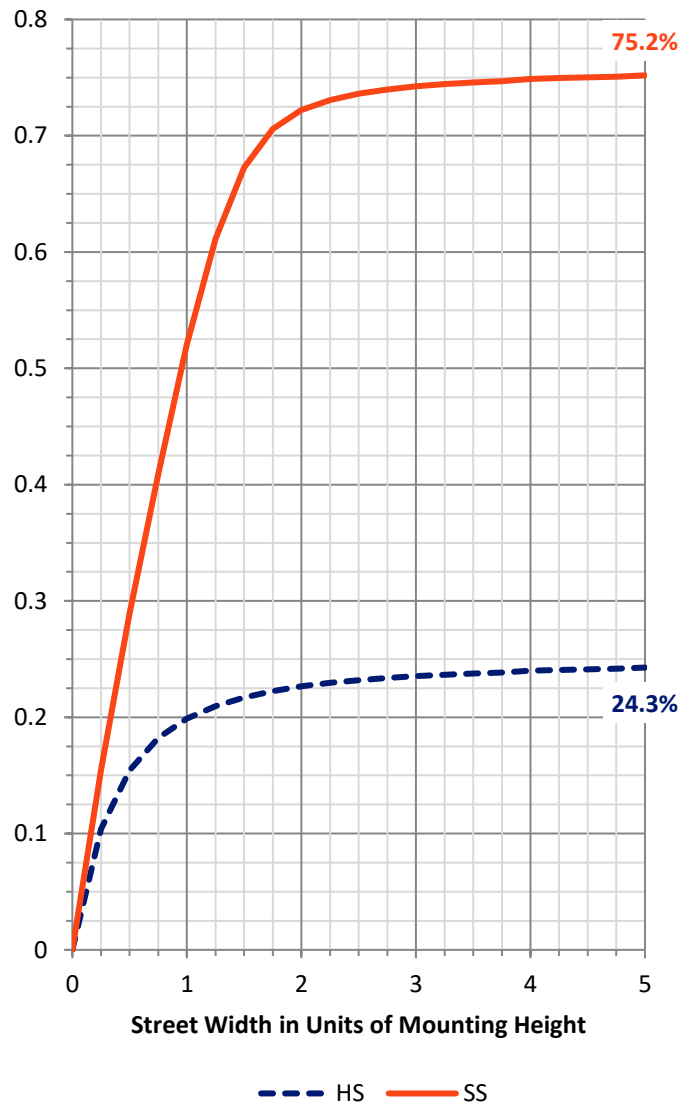
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9393.2 | 0.0 | 9393.2 |
| | % Fixture | 24.7 | 0.0 | 24.7 |
| Street Side | Lumens | 28709.1 | 0.0 | 28709.1 |
| | % Fixture | 75.3 | 0.0 | 75.3 |
| Total | Lumens | 38102.3 | 0.0 | 38102.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 527.4 | 1.4 |
| 10°-20° | 1515.4 | 4.0 |
| 20°-30° | 2535.1 | 6.7 |
| 30°-40° | 3960.4 | 10.4 |
| 40°-50° | 6307.4 | 16.6 |
| 50°-60° | 8777.6 | 23.0 |
| 60°-70° | 9181.8 | 24.1 |
| 70°-80° | 4798.9 | 12.6 |
| 80°-90° | 498.3 | 1.3 |
| 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° | 38102.3 | 100.0 |
| 0°-180° | 38102.3 | 100.0 |

Coefficient of Utilization

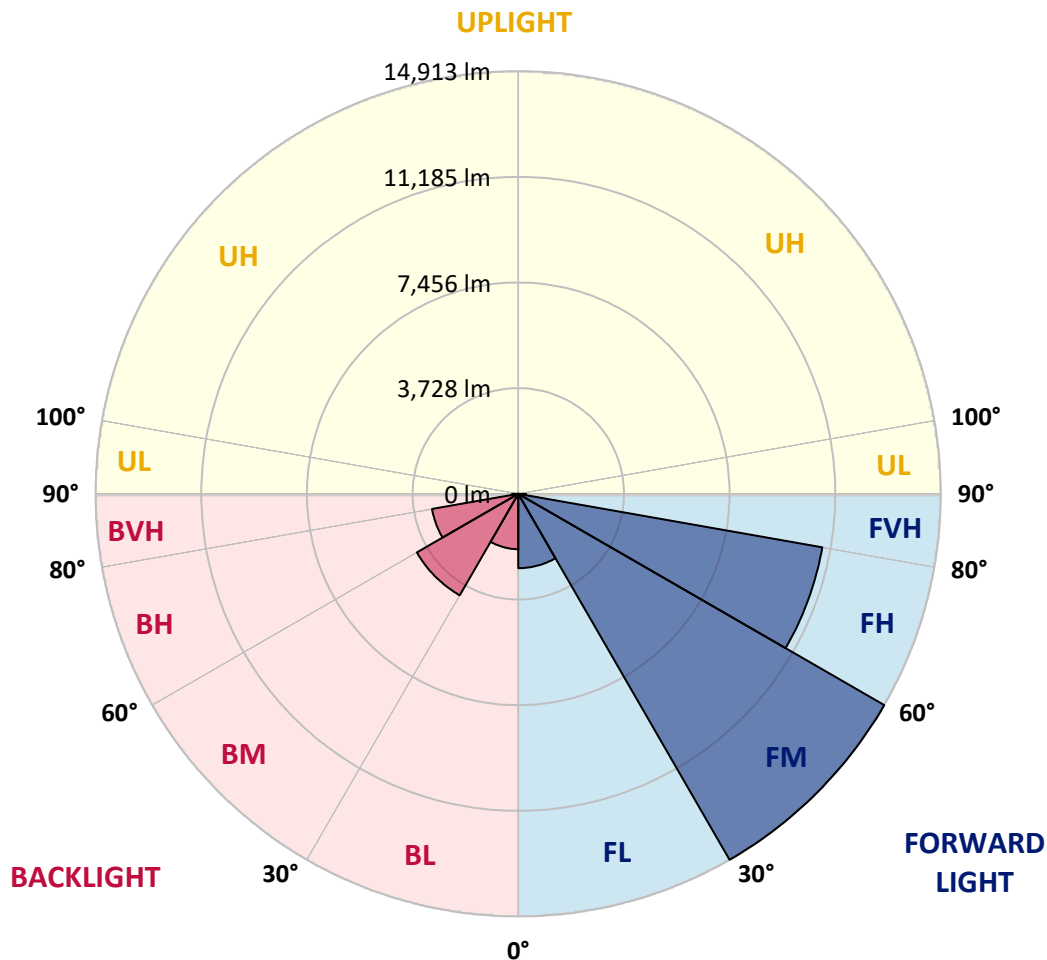


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2623.8 | 6.9 | | | |
| FM (30°-60°) | 14912.9 | 39.1 | | | |
| FH (60°-80°) | 10893.6 | 28.6 | | | G4/12000 |
| FVH (80°-90°) | 278.9 | 0.7 | | | G3/500 |
| BL (0°-30°) | 1954.1 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 4132.6 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 3087.1 | 8.1 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 219.4 | 0.6 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 82° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 |
| 2.5° | 5719.7 | 5752.1 | 5741.9 | 5731.8 | 5731.8 | 5717.7 | 5715.7 | 5695.4 | 5679.3 | 5653.0 | 5646.9 |
| 5° | 5792.5 | 5826.9 | 5822.8 | 5830.9 | 5857.2 | 5863.3 | 5869.4 | 5857.2 | 5824.9 | 5792.5 | 5778.3 |
| 7.5° | 5727.8 | 5766.2 | 5778.3 | 5826.9 | 5907.8 | 5980.6 | 6035.1 | 6057.3 | 6027.0 | 5980.6 | 5958.3 |
| 10° | 5509.5 | 5551.9 | 5594.3 | 5709.6 | 5853.2 | 6025.1 | 6170.6 | 6257.5 | 6251.5 | 6207.0 | 6168.6 |
| 12.5° | 5066.7 | 5111.2 | 5202.2 | 5426.6 | 5689.4 | 5992.7 | 6263.6 | 6445.5 | 6508.2 | 6475.8 | 6409.1 |
| 15° | 4712.8 | 4751.3 | 4820.0 | 5050.5 | 5392.2 | 5853.2 | 6297.9 | 6651.7 | 6811.5 | 6793.3 | 6712.4 |
| 17.5° | 4702.7 | 4718.9 | 4761.3 | 4870.6 | 5133.4 | 5634.8 | 6261.5 | 6854.0 | 7159.2 | 7157.3 | 7056.1 |
| 20° | 4880.6 | 4886.7 | 4911.0 | 4933.2 | 5082.9 | 5469.0 | 6168.6 | 7021.8 | 7549.4 | 7549.4 | 7440.3 |
| 22.5° | 5127.4 | 5123.3 | 5147.5 | 5127.4 | 5200.1 | 5454.8 | 6109.9 | 7169.4 | 7984.1 | 8016.5 | 7879.0 |
| 25° | 5497.3 | 5477.1 | 5471.0 | 5424.5 | 5438.6 | 5586.2 | 6174.6 | 7337.2 | 8499.7 | 8566.4 | 8394.5 |
| 27.5° | 5990.6 | 5958.3 | 5936.1 | 5828.9 | 5792.5 | 5857.2 | 6372.7 | 7539.4 | 9073.9 | 9189.1 | 8970.8 |
| 30° | 6633.6 | 6575.0 | 6542.6 | 6356.6 | 6225.1 | 6235.3 | 6672.0 | 7808.2 | 9674.4 | 9860.4 | 9583.4 |
| 32.5° | 7511.0 | 7420.1 | 7333.2 | 7027.8 | 6787.2 | 6708.4 | 7058.2 | 8180.2 | 10325.4 | 10622.6 | 10266.8 |
| 35° | 8493.7 | 8420.9 | 8327.8 | 7856.7 | 7486.8 | 7304.9 | 7579.8 | 8699.9 | 11087.6 | 11558.7 | 11095.7 |
| 37.5° | 9439.8 | 9377.2 | 9421.7 | 8786.8 | 8309.7 | 8044.8 | 8263.1 | 9397.4 | 12027.8 | 12723.3 | 12135.0 |
| 40° | 10418.4 | 10369.9 | 10376.0 | 9769.4 | 9213.4 | 8916.2 | 9092.1 | 10272.9 | 13105.4 | 14108.2 | 13384.4 |
| 42.5° | 11481.8 | 11445.5 | 11324.2 | 10786.4 | 10161.6 | 9884.7 | 10046.4 | 11283.7 | 14261.8 | 15685.3 | 14755.2 |
| 45° | 12672.8 | 12650.6 | 12537.3 | 11920.6 | 11204.9 | 10893.5 | 11111.9 | 12399.8 | 15424.4 | 17169.3 | 16132.1 |
| 47.5° | 13701.9 | 13720.0 | 13705.9 | 13186.3 | 12444.3 | 11987.4 | 12248.1 | 13564.3 | 16506.1 | 18564.3 | 17452.3 |
| 50° | 14197.2 | 14292.2 | 14431.7 | 14269.9 | 13809.0 | 13344.0 | 13394.5 | 14688.5 | 17537.2 | 19872.4 | 18717.9 |
| 52.5° | 13938.4 | 14118.4 | 14498.4 | 14757.2 | 14935.2 | 14838.1 | 14702.6 | 15804.6 | 18507.7 | 21053.2 | 19914.9 |
| 55° | 12974.0 | 13226.7 | 13857.5 | 14482.2 | 15390.1 | 16095.7 | 16273.6 | 17041.9 | 19453.9 | 22092.3 | 21047.1 |
| 57.5° | 11217.0 | 11627.5 | 12193.6 | 13457.2 | 14985.7 | 16704.2 | 18105.4 | 18758.4 | 20456.7 | 23202.3 | 22231.8 |
| 60° | 8204.5 | 8754.4 | 9458.1 | 11338.3 | 13570.4 | 16378.7 | 19664.2 | 21394.8 | 21882.1 | 24639.9 | 23774.6 |
| 62.5° | 5250.7 | 5590.3 | 6237.3 | 8008.4 | 10574.1 | 14710.7 | 20141.4 | 24690.4 | 24298.1 | 26997.3 | 26087.5 |
| 65° | 3594.8 | 3813.1 | 4405.6 | 5400.3 | 6835.7 | 10950.2 | 18863.6 | 27161.1 | 28135.6 | 30733.6 | 30042.1 |
| 67.5° | 2612.2 | 2778.0 | 3283.4 | 4154.8 | 4454.0 | 6479.9 | 14637.9 | 27047.8 | 31865.8 | 34583.2 | 33507.6 |
| 70° | 1904.6 | 2021.8 | 2446.4 | 3283.4 | 3427.0 | 3604.9 | 8867.7 | 22992.1 | 31784.9 | 35606.2 | 34318.3 |
| 72.5° | 1411.2 | 1492.1 | 1777.1 | 2547.5 | 2774.0 | 2434.3 | 4389.4 | 16710.3 | 27312.7 | 32205.5 | 31172.4 |
| 75° | 1021.0 | 1081.7 | 1291.9 | 1949.0 | 2219.9 | 1854.0 | 2189.6 | 9765.4 | 19051.6 | 22654.4 | 22836.4 |
| 77.5° | 780.4 | 827.0 | 964.4 | 1427.4 | 1777.1 | 1391.0 | 1358.6 | 4492.5 | 9033.4 | 9077.9 | 9587.4 |
| 80° | 626.8 | 657.1 | 731.8 | 1004.8 | 1362.7 | 1041.2 | 885.6 | 1813.5 | 2854.8 | 2416.0 | 2535.3 |
| 82.5° | 460.9 | 511.5 | 618.7 | 705.6 | 974.5 | 717.7 | 539.9 | 915.8 | 1085.7 | 934.1 | 942.2 |
| 85° | 262.8 | 297.2 | 374.0 | 505.4 | 622.7 | 438.7 | 309.3 | 406.4 | 505.4 | 414.5 | 370.0 |
| 87.5° | 93.0 | 121.4 | 131.4 | 198.1 | 270.9 | 181.9 | 119.3 | 117.3 | 165.7 | 123.3 | 103.1 |
| 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° | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 | 5586.2 |
| 2.5° | 5626.7 | 5616.6 | 5576.2 | 5521.6 | 5465.0 | 5410.4 | 5392.2 | 5353.8 | 5327.4 | 5313.3 | 5329.5 |
| 5° | 5739.9 | 5707.6 | 5612.6 | 5491.2 | 5363.9 | 5226.4 | 5129.3 | 5040.4 | 4975.7 | 4915.1 | 4939.3 |
| 7.5° | 5901.6 | 5845.1 | 5681.3 | 5469.0 | 5242.6 | 5014.1 | 4844.3 | 4714.9 | 4628.0 | 4571.3 | 4583.5 |
| 10° | 6089.7 | 6002.8 | 5752.1 | 5434.7 | 5084.8 | 4757.3 | 4557.2 | 4445.9 | 4391.4 | 4361.1 | 4369.2 |
| 12.5° | 6306.0 | 6182.7 | 5824.9 | 5355.8 | 4844.3 | 4470.2 | 4332.8 | 4300.4 | 4302.4 | 4304.5 | 4308.5 |
| 15° | 6572.9 | 6401.0 | 5883.5 | 5183.9 | 4530.9 | 4249.9 | 4225.6 | 4278.1 | 4332.8 | 4359.0 | 4357.0 |
| 17.5° | 6874.2 | 6631.5 | 5893.5 | 4900.8 | 4223.6 | 4108.3 | 4185.2 | 4298.3 | 4381.3 | 4417.6 | 4425.7 |
| 20° | 7197.7 | 6866.1 | 5820.8 | 4500.6 | 3970.8 | 3993.1 | 4130.5 | 4276.1 | 4367.1 | 4413.6 | 4425.7 |
| 22.5° | 7567.7 | 7116.8 | 5646.9 | 4080.0 | 3764.6 | 3867.7 | 4029.5 | 4171.0 | 4266.0 | 4312.5 | 4324.7 |
| 25° | 7990.2 | 7397.8 | 5374.0 | 3726.2 | 3586.7 | 3726.2 | 3887.9 | 4005.2 | 4082.1 | 4124.5 | 4136.6 |
| 27.5° | 8459.3 | 7691.0 | 5010.1 | 3445.1 | 3431.0 | 3580.6 | 3714.1 | 3805.1 | 3845.5 | 3877.9 | 3890.0 |
| 30° | 8930.3 | 7957.9 | 4569.3 | 3232.8 | 3295.6 | 3437.1 | 3532.2 | 3572.5 | 3584.6 | 3590.8 | 3604.9 |
| 32.5° | 9439.8 | 8188.3 | 4106.4 | 3057.0 | 3166.1 | 3297.6 | 3354.2 | 3372.4 | 3315.8 | 3277.3 | 3289.5 |
| 35° | 10056.5 | 8435.0 | 3653.4 | 2917.5 | 3038.8 | 3152.0 | 3170.2 | 3154.0 | 3087.3 | 3008.5 | 3012.5 |
| 37.5° | 10818.8 | 8742.3 | 3291.5 | 2818.4 | 2919.5 | 2994.3 | 2972.1 | 2968.0 | 2974.1 | 2881.1 | 2887.1 |
| 40° | 11752.9 | 9142.7 | 3026.6 | 2741.6 | 2822.4 | 2838.6 | 2775.9 | 2810.3 | 2840.7 | 2699.1 | 2703.1 |
| 42.5° | 12790.1 | 9625.9 | 2858.8 | 2689.0 | 2741.6 | 2703.1 | 2606.2 | 2644.5 | 2640.5 | 2454.5 | 2452.4 |
| 45° | 13847.4 | 10151.5 | 2800.2 | 2650.6 | 2666.7 | 2590.0 | 2482.8 | 2492.9 | 2408.0 | 2240.1 | 2246.3 |
| 47.5° | 14898.8 | 10715.7 | 2836.6 | 2618.3 | 2573.8 | 2486.9 | 2403.9 | 2359.4 | 2234.1 | 2108.7 | 2108.7 |
| 50° | 15929.9 | 11308.0 | 2970.0 | 2553.6 | 2446.4 | 2395.8 | 2335.2 | 2256.3 | 2122.9 | 2015.8 | 2007.7 |
| 52.5° | 16886.2 | 11904.5 | 3119.7 | 2446.4 | 2286.7 | 2317.0 | 2278.6 | 2187.6 | 2056.1 | 1947.0 | 1949.0 |
| 55° | 17791.9 | 12500.9 | 3178.3 | 2298.8 | 2137.0 | 2248.2 | 2226.0 | 2058.2 | 1900.6 | 1811.6 | 1803.5 |
| 57.5° | 18778.6 | 13218.6 | 3113.6 | 2110.8 | 2015.8 | 2169.4 | 2084.5 | 1898.5 | 1807.5 | 1740.8 | 1734.7 |
| 60° | 20145.4 | 14344.8 | 2974.1 | 1878.3 | 1900.6 | 2052.2 | 1906.6 | 1829.7 | 1730.7 | 1655.9 | 1651.8 |
| 62.5° | 22415.8 | 16445.4 | 2749.7 | 1647.8 | 1765.0 | 1878.3 | 1821.6 | 1744.9 | 1643.7 | 1570.9 | 1570.9 |
| 65° | 25772.1 | 19364.9 | 2327.2 | 1467.8 | 1613.5 | 1708.5 | 1730.7 | 1653.8 | 1548.7 | 1471.9 | 1475.9 |
| 67.5° | 28602.6 | 21196.7 | 1761.1 | 1318.3 | 1457.8 | 1570.9 | 1633.6 | 1558.8 | 1447.6 | 1372.8 | 1374.8 |
| 70° | 28446.9 | 19866.3 | 1344.5 | 1170.7 | 1320.2 | 1435.5 | 1516.4 | 1457.8 | 1338.4 | 1267.7 | 1273.8 |
| 72.5° | 25266.7 | 16619.4 | 1087.7 | 1021.0 | 1180.7 | 1294.0 | 1391.0 | 1346.5 | 1225.2 | 1156.5 | 1156.5 |
| 75° | 18562.3 | 11797.3 | 869.4 | 869.4 | 1006.9 | 1146.4 | 1253.6 | 1225.2 | 1114.0 | 1065.5 | 1051.3 |
| 77.5° | 7824.4 | 4949.4 | 681.3 | 721.8 | 837.0 | 984.6 | 1118.1 | 1128.2 | 1031.1 | 1091.8 | 990.7 |
| 80° | 2080.4 | 1364.7 | 519.6 | 568.2 | 657.1 | 812.7 | 972.5 | 968.4 | 863.4 | 806.7 | 750.1 |
| 82.5° | 792.5 | 537.8 | 370.0 | 400.4 | 475.1 | 622.7 | 770.3 | 794.6 | 689.4 | 596.4 | 596.4 |
| 85° | 305.2 | 230.5 | 228.5 | 240.6 | 277.0 | 412.5 | 582.3 | 602.5 | 519.6 | 440.7 | 454.9 |
| 87.5° | 78.8 | 68.8 | 84.9 | 80.9 | 127.4 | 220.4 | 333.6 | 345.7 | 317.4 | 184.0 | 262.8 |
| 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)