

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: P963598

Luminaire Tested: **NVN-SB3A-760-U-SL3**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P963598  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3A-760-U-SL3  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 14263.9 lumens  
Efficiency: N/A  
Efficacy: 168.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 84.7  
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



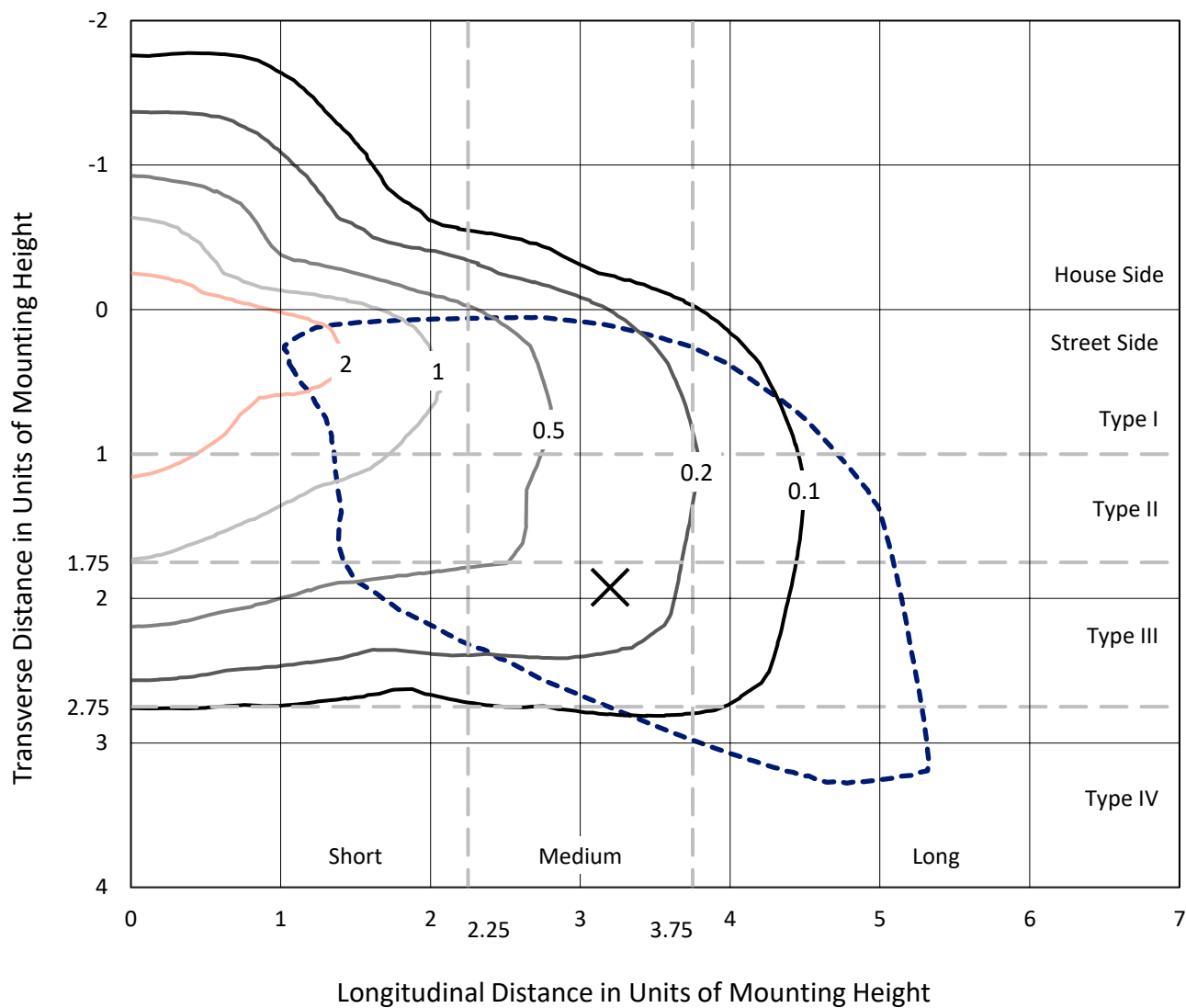
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

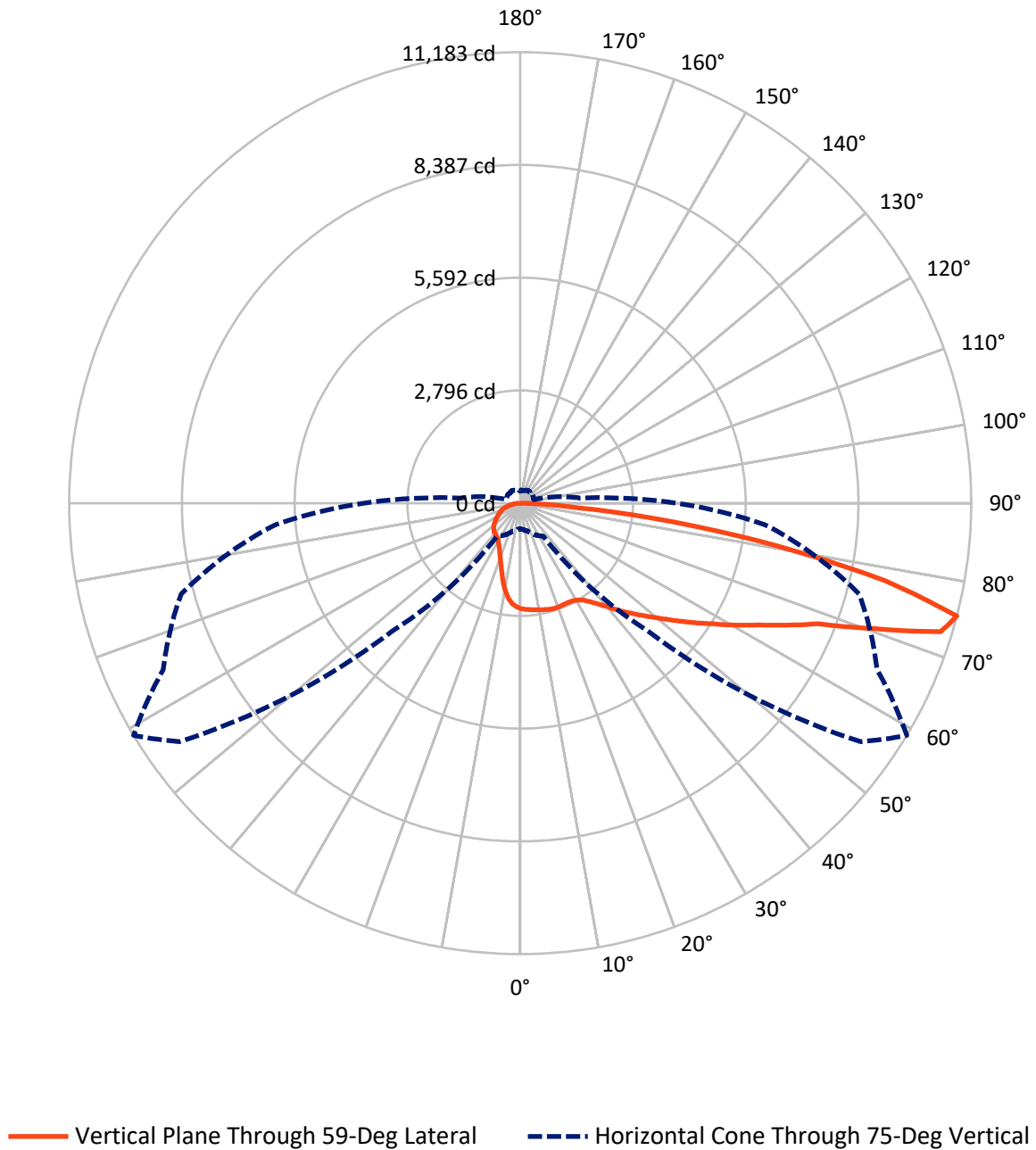


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2675.3   | 0.0    | 2675.3  |
|                    | % Fixture | 18.8     | 0.0    | 18.8    |
| <b>Street Side</b> | Lumens    | 11588.6  | 0.0    | 11588.6 |
|                    | % Fixture | 81.2     | 0.0    | 81.2    |
| <b>Total</b>       | Lumens    | 14263.9  | 0.0    | 14263.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 234.8   | 1.6       |
| 10°-20°   | 600.0   | 4.2       |
| 20°-30°   | 911.4   | 6.4       |
| 30°-40°   | 1354.8  | 9.5       |
| 40°-50°   | 2014.9  | 14.1      |
| 50°-60°   | 2734.9  | 19.2      |
| 60°-70°   | 3338.9  | 23.4      |
| 70°-80°   | 2620.3  | 18.4      |
| 80°-90°   | 453.9   | 3.2       |
| 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°    | 14263.9 | 100.0     |
| 0°-180°   | 14263.9 | 100.0     |

**Coefficient of Utilization**



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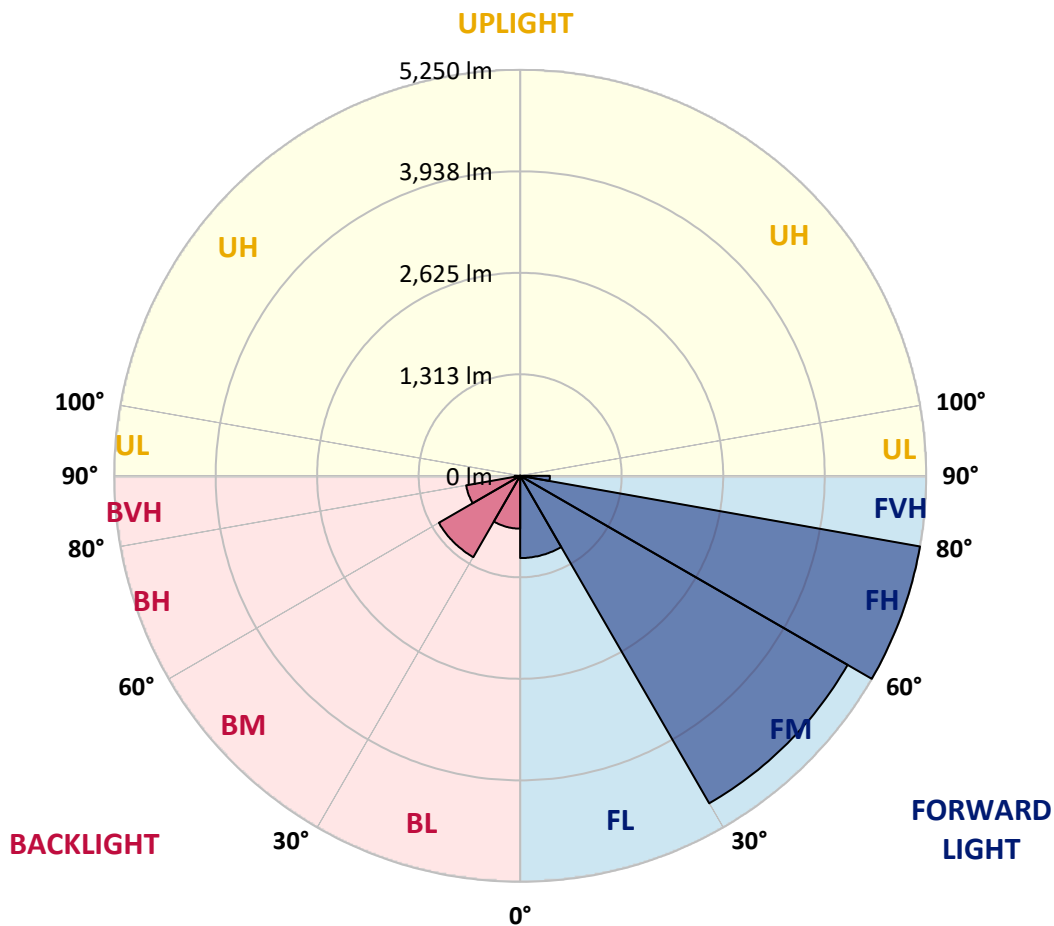
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1063.5 | 7.5       |                         |      |         |
| FM   | (30°-60°)   | 4890.3 | 34.3      |                         |      |         |
| FH   | (60°-80°)   | 5250.4 | 36.8      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 384.4  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 682.7  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1214.3 | 8.5       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 708.8  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 69.5   | 0.5       |                         |      | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 59°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0°    | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2  | 2618.2  | 2618.2 | 2618.2 | 2618.2 |
| 2.5°  | 2640.4 | 2631.2 | 2640.4 | 2636.5 | 2635.0 | 2631.9 | 2632.7  | 2638.0  | 2635.0 | 2638.9 | 2625.7 |
| 5°    | 2622.7 | 2617.3 | 2626.6 | 2624.2 | 2634.2 | 2635.8 | 2645.7  | 2651.9  | 2655.7 | 2656.5 | 2646.4 |
| 7.5°  | 2593.6 | 2588.2 | 2601.2 | 2612.0 | 2633.4 | 2639.6 | 2660.3  | 2670.3  | 2675.7 | 2684.9 | 2670.3 |
| 10°   | 2486.9 | 2484.6 | 2516.8 | 2557.5 | 2608.1 | 2639.6 | 2671.0  | 2688.0  | 2696.4 | 2721.0 | 2704.1 |
| 12.5° | 2298.2 | 2301.2 | 2343.4 | 2421.7 | 2522.9 | 2624.2 | 2683.3  | 2707.8  | 2721.0 | 2751.6 | 2743.9 |
| 15°   | 2117.9 | 2117.0 | 2163.1 | 2246.7 | 2388.7 | 2556.8 | 2689.5  | 2731.6  | 2754.0 | 2799.2 | 2793.0 |
| 17.5° | 2013.4 | 2010.4 | 2042.6 | 2106.3 | 2238.3 | 2453.1 | 2674.1  | 2744.7  | 2792.3 | 2849.1 | 2843.7 |
| 20°   | 1994.2 | 1988.1 | 2005.0 | 2036.5 | 2130.1 | 2339.6 | 2634.2  | 2744.7  | 2823.0 | 2896.6 | 2893.6 |
| 22.5° | 2064.1 | 2054.1 | 2047.2 | 2043.3 | 2084.8 | 2246.0 | 2588.9  | 2735.5  | 2868.3 | 2964.9 | 2959.6 |
| 25°   | 2204.6 | 2189.2 | 2153.8 | 2119.4 | 2107.1 | 2203.8 | 2549.1  | 2733.2  | 2935.8 | 3057.1 | 3037.1 |
| 27.5° | 2431.6 | 2412.4 | 2341.1 | 2258.3 | 2183.8 | 2225.3 | 2531.4  | 2747.0  | 3010.2 | 3154.4 | 3114.6 |
| 30°   | 2713.3 | 2692.6 | 2602.8 | 2475.4 | 2341.9 | 2305.0 | 2553.7  | 2787.7  | 3105.3 | 3284.1 | 3205.9 |
| 32.5° | 2965.7 | 2942.7 | 2866.0 | 2736.2 | 2555.9 | 2443.2 | 2624.2  | 2865.2  | 3255.0 | 3464.5 | 3343.2 |
| 35°   | 3189.8 | 3162.9 | 3093.9 | 2974.1 | 2818.3 | 2637.3 | 2751.6  | 3002.5  | 3467.6 | 3757.5 | 3529.7 |
| 37.5° | 3409.3 | 3377.8 | 3302.6 | 3176.0 | 3067.0 | 2895.8 | 2927.3  | 3179.0  | 3749.9 | 4113.6 | 3776.7 |
| 40°   | 3654.7 | 3609.5 | 3518.2 | 3393.1 | 3287.2 | 3198.9 | 3158.3  | 3395.4  | 4036.9 | 4511.1 | 4085.2 |
| 42.5° | 3892.6 | 3849.7 | 3740.7 | 3634.0 | 3501.3 | 3476.0 | 3426.1  | 3648.6  | 4350.7 | 4947.7 | 4398.3 |
| 45°   | 4148.9 | 4097.5 | 3965.5 | 3830.5 | 3746.9 | 3660.2 | 3685.5  | 3901.9  | 4658.4 | 5392.7 | 4726.7 |
| 47.5° | 4389.0 | 4331.5 | 4175.7 | 4025.4 | 3979.4 | 3815.2 | 3923.3  | 4180.4  | 4978.4 | 5843.9 | 5052.0 |
| 50°   | 4518.8 | 4462.0 | 4332.3 | 4196.5 | 4160.5 | 4006.2 | 4181.2  | 4486.5  | 5313.7 | 6293.6 | 5364.3 |
| 52.5° | 4627.0 | 4565.6 | 4396.0 | 4320.8 | 4310.0 | 4214.2 | 4498.8  | 4836.5  | 5649.1 | 6691.1 | 5665.9 |
| 55°   | 4742.1 | 4673.8 | 4457.4 | 4389.9 | 4439.0 | 4447.4 | 4875.6  | 5233.1  | 6003.5 | 7078.5 | 5950.6 |
| 57.5° | 4874.8 | 4788.1 | 4516.5 | 4448.2 | 4564.8 | 4720.5 | 5308.4  | 5644.5  | 6351.9 | 7437.7 | 6203.8 |
| 60°   | 4999.8 | 4912.4 | 4630.0 | 4541.1 | 4700.6 | 5037.5 | 5804.8  | 6142.4  | 6746.3 | 7757.6 | 6443.3 |
| 62.5° | 5024.4 | 4952.3 | 4720.5 | 4719.8 | 4884.7 | 5407.3 | 6392.6  | 6645.0  | 7090.8 | 8073.8 | 6658.1 |
| 65°   | 4599.4 | 4554.1 | 4416.7 | 4713.0 | 5148.8 | 5939.9 | 7047.1  | 7288.1  | 7528.9 | 8350.1 | 6846.8 |
| 67.5° | 3500.6 | 3506.6 | 3496.7 | 4068.3 | 4935.4 | 6704.8 | 7994.7  | 7976.3  | 8069.9 | 8660.0 | 7064.0 |
| 70°   | 1600.6 | 1636.7 | 1871.5 | 2808.4 | 3954.0 | 6793.1 | 9561.6  | 9323.0  | 8749.0 | 9061.3 | 7252.0 |
| 72.5° | 864.8  | 892.4  | 988.3  | 1360.5 | 2377.2 | 6039.6 | 10732.6 | 10902.1 | 9652.1 | 9331.4 | 7045.5 |
| 75°   | 634.6  | 650.0  | 716.7  | 864.8  | 998.2  | 4488.9 | 10312.8 | 11183.0 | 9765.0 | 8701.4 | 6084.1 |
| 77.5° | 475.0  | 481.9  | 536.4  | 685.2  | 511.1  | 2366.4 | 8240.3  | 9261.6  | 8359.2 | 7149.2 | 4494.2 |
| 80°   | 344.5  | 352.2  | 392.9  | 514.1  | 358.3  | 865.5  | 5658.2  | 6500.8  | 5725.0 | 4557.2 | 2239.8 |
| 82.5° | 237.9  | 241.0  | 258.6  | 349.9  | 250.1  | 336.1  | 3210.5  | 3812.1  | 3196.0 | 1599.1 | 604.6  |
| 85°   | 143.5  | 147.3  | 155.0  | 204.1  | 142.0  | 159.6  | 1385.8  | 1433.4  | 955.3  | 382.1  | 188.0  |
| 87.5° | 59.0   | 62.9   | 69.1   | 85.9   | 56.0   | 44.5   | 228.7   | 287.0   | 178.8  | 112.0  | 58.3   |
| 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°    | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 | 2618.2 |
| 2.5°  | 2622.0 | 2616.6 | 2602.0 | 2582.1 | 2563.6 | 2540.6 | 2530.6 | 2522.2 | 2514.5 | 2500.0 | 2493.0 |
| 5°    | 2638.0 | 2623.5 | 2584.3 | 2533.7 | 2476.2 | 2413.3 | 2351.9 | 2309.6 | 2273.6 | 2246.7 | 2224.5 |
| 7.5°  | 2662.6 | 2635.0 | 2563.6 | 2460.0 | 2328.1 | 2193.0 | 2071.0 | 1984.3 | 1919.1 | 1895.3 | 1853.8 |
| 10°   | 2688.0 | 2655.0 | 2530.6 | 2348.0 | 2120.1 | 1912.1 | 1750.3 | 1661.2 | 1609.0 | 1592.2 | 1566.1 |
| 12.5° | 2717.9 | 2669.5 | 2479.3 | 2192.3 | 1887.6 | 1659.7 | 1518.5 | 1466.4 | 1439.5 | 1430.3 | 1432.6 |
| 15°   | 2761.6 | 2681.8 | 2401.7 | 1997.3 | 1665.8 | 1475.6 | 1384.3 | 1348.2 | 1334.3 | 1333.6 | 1336.7 |
| 17.5° | 2794.6 | 2684.1 | 2281.2 | 1788.6 | 1495.5 | 1364.3 | 1289.1 | 1275.3 | 1284.5 | 1298.3 | 1303.7 |
| 20°   | 2831.5 | 2663.4 | 2123.2 | 1598.4 | 1375.9 | 1266.9 | 1235.4 | 1244.6 | 1266.9 | 1286.8 | 1293.8 |
| 22.5° | 2857.5 | 2625.7 | 1932.1 | 1450.3 | 1272.2 | 1210.8 | 1209.3 | 1228.5 | 1240.8 | 1250.7 | 1256.1 |
| 25°   | 2880.6 | 2562.1 | 1729.6 | 1325.9 | 1187.1 | 1177.1 | 1193.9 | 1187.8 | 1179.4 | 1187.8 | 1193.2 |
| 27.5° | 2897.4 | 2461.5 | 1548.5 | 1217.0 | 1127.2 | 1154.0 | 1144.1 | 1130.3 | 1129.6 | 1134.1 | 1141.7 |
| 30°   | 2892.0 | 2327.3 | 1399.6 | 1113.4 | 1085.0 | 1111.1 | 1087.3 | 1085.0 | 1082.7 | 1085.0 | 1093.5 |
| 32.5° | 2892.0 | 2174.6 | 1285.2 | 1042.0 | 1058.1 | 1048.2 | 1045.9 | 1040.5 | 1031.3 | 1030.5 | 1040.5 |
| 35°   | 2908.1 | 2021.9 | 1187.1 | 1003.7 | 1035.9 | 1012.1 | 1013.6 | 1000.6 | 981.4  | 972.2  | 981.4  |
| 37.5° | 2941.1 | 1899.1 | 1089.6 | 985.2  | 996.7  | 996.0  | 989.8  | 967.6  | 933.9  | 904.7  | 914.6  |
| 40°   | 3021.0 | 1863.0 | 1022.8 | 976.8  | 978.4  | 987.6  | 971.4  | 928.4  | 851.8  | 804.1  | 810.3  |
| 42.5° | 3146.0 | 1923.7 | 1008.3 | 956.1  | 966.1  | 975.3  | 943.8  | 844.1  | 789.6  | 761.2  | 761.2  |
| 45°   | 3304.9 | 2029.6 | 1039.8 | 926.2  | 937.0  | 953.0  | 859.4  | 811.8  | 787.3  | 788.0  | 791.9  |
| 47.5° | 3505.9 | 2140.8 | 1098.1 | 900.1  | 894.7  | 903.9  | 803.4  | 774.2  | 740.5  | 748.9  | 770.4  |
| 50°   | 3738.4 | 2253.7 | 1153.3 | 864.8  | 847.9  | 817.9  | 767.3  | 739.7  | 696.7  | 676.8  | 682.1  |
| 52.5° | 3990.1 | 2362.6 | 1175.6 | 821.8  | 797.2  | 762.7  | 742.8  | 709.0  | 656.8  | 623.8  | 623.1  |
| 55°   | 4228.7 | 2461.5 | 1151.0 | 770.4  | 746.6  | 719.8  | 716.7  | 696.0  | 639.9  | 593.9  | 593.9  |
| 57.5° | 4454.3 | 2544.5 | 1089.6 | 718.2  | 695.2  | 679.1  | 699.8  | 689.8  | 619.2  | 560.2  | 557.1  |
| 60°   | 4645.4 | 2601.2 | 1000.6 | 665.2  | 649.1  | 640.7  | 672.2  | 669.1  | 590.1  | 524.1  | 521.8  |
| 62.5° | 4797.3 | 2623.5 | 902.4  | 614.6  | 610.8  | 595.4  | 633.9  | 633.9  | 553.2  | 488.8  | 486.5  |
| 65°   | 4916.2 | 2602.0 | 802.6  | 564.8  | 572.5  | 549.4  | 587.0  | 582.4  | 514.1  | 457.4  | 454.3  |
| 67.5° | 5021.4 | 2531.4 | 692.1  | 515.7  | 533.3  | 504.1  | 537.9  | 527.2  | 471.1  | 425.9  | 422.8  |
| 70°   | 5068.2 | 2367.2 | 566.3  | 466.6  | 488.0  | 459.6  | 488.8  | 468.8  | 422.8  | 392.1  | 385.9  |
| 72.5° | 4692.1 | 1967.4 | 445.8  | 415.1  | 433.6  | 410.5  | 435.8  | 412.9  | 370.6  | 356.8  | 345.3  |
| 75°   | 3881.9 | 1476.3 | 343.0  | 359.1  | 372.9  | 355.3  | 372.2  | 355.3  | 316.9  | 326.9  | 298.5  |
| 77.5° | 2819.2 | 996.7  | 262.4  | 300.0  | 306.2  | 296.9  | 311.5  | 292.3  | 257.8  | 255.5  | 244.1  |
| 80°   | 1401.9 | 583.9  | 205.6  | 237.1  | 234.8  | 228.7  | 245.6  | 236.4  | 207.2  | 219.5  | 217.2  |
| 82.5° | 405.9  | 250.1  | 149.6  | 166.5  | 162.0  | 163.5  | 175.7  | 180.3  | 270.1  | 267.8  | 274.0  |
| 85°   | 127.4  | 98.2   | 89.8   | 92.9   | 88.3   | 90.5   | 103.6  | 205.6  | 190.3  | 111.2  | 120.4  |
| 87.5° | 33.0   | 33.7   | 22.2   | 23.8   | 24.6   | 29.1   | 33.0   | 125.0  | 59.9   | 39.2   | 41.4   |
| 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)