

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: P962356

Luminaire Tested: **NVN-SB2C-722-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P962356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB2C-722-U-SL2  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12604.4 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

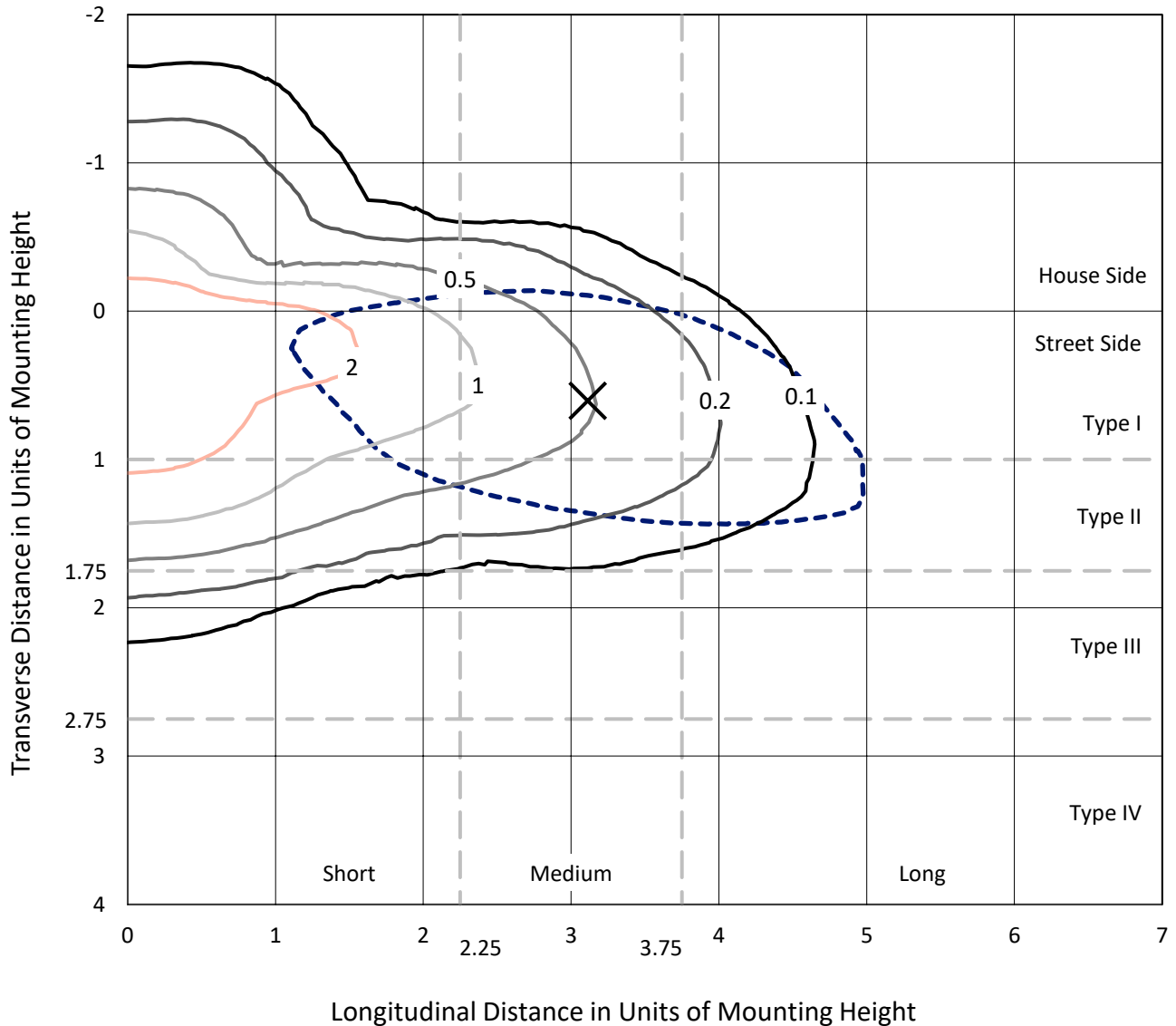
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

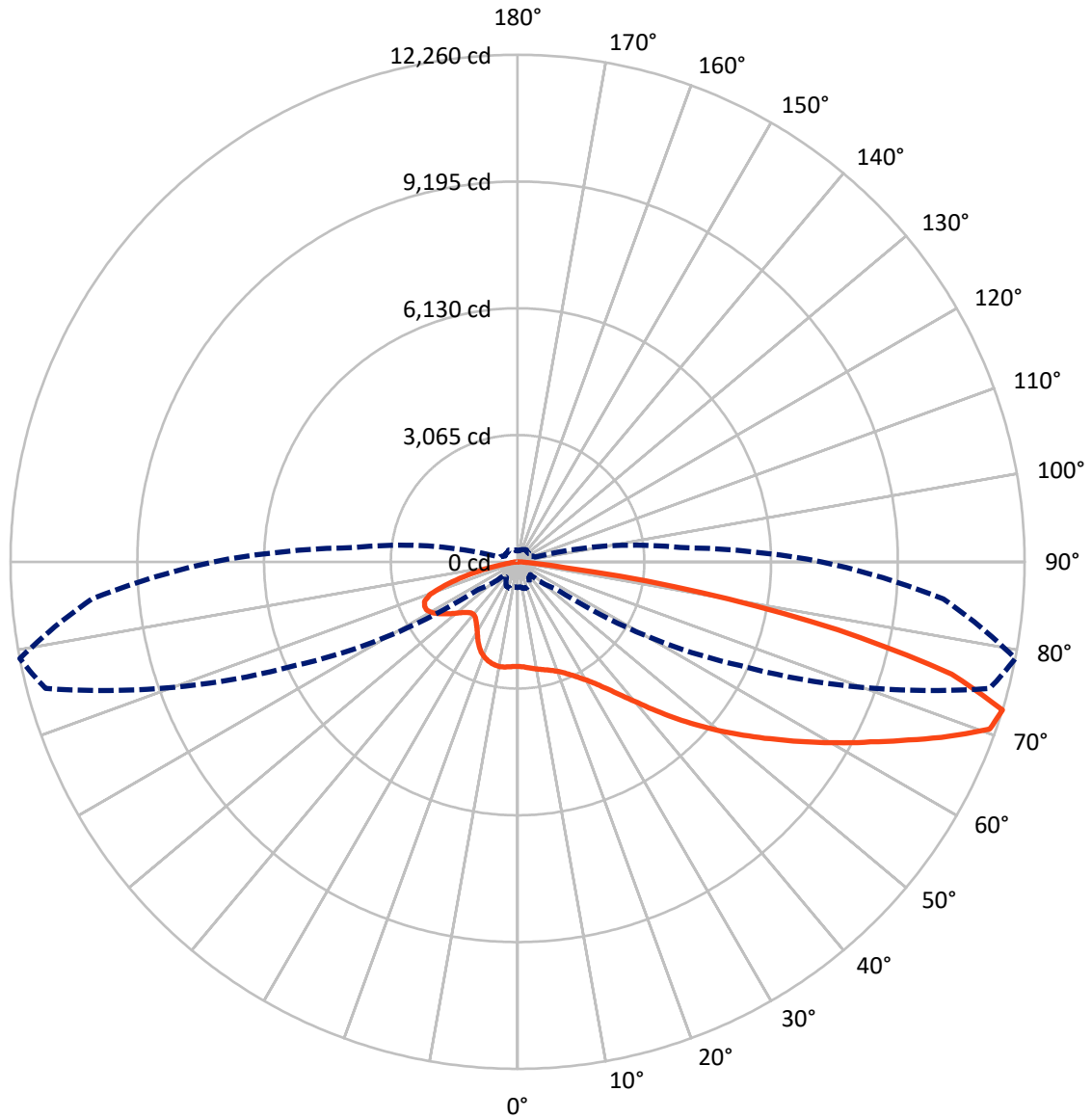
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2773.7   | 0.0    | 2773.7  |
|                    | % Fixture | 22.0     | 0.0    | 22.0    |
| <b>Street Side</b> | Lumens    | 9830.8   | 0.0    | 9830.8  |
|                    | % Fixture | 78.0     | 0.0    | 78.0    |
| <b>Total</b>       | Lumens    | 12604.4  | 0.0    | 12604.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 229.7   | 1.8       |
| 10°-20°   | 600.5   | 4.8       |
| 20°-30°   | 968.9   | 7.7       |
| 30°-40°   | 1454.2  | 11.5      |
| 40°-50°   | 2062.9  | 16.4      |
| 50°-60°   | 2605.1  | 20.7      |
| 60°-70°   | 2645.9  | 21.0      |
| 70°-80°   | 1803.3  | 14.3      |
| 80°-90°   | 234.0   | 1.9       |
| 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°    | 12604.4 | 100.0     |
| 0°-180°   | 12604.4 | 100.0     |

**Coefficient of Utilization**

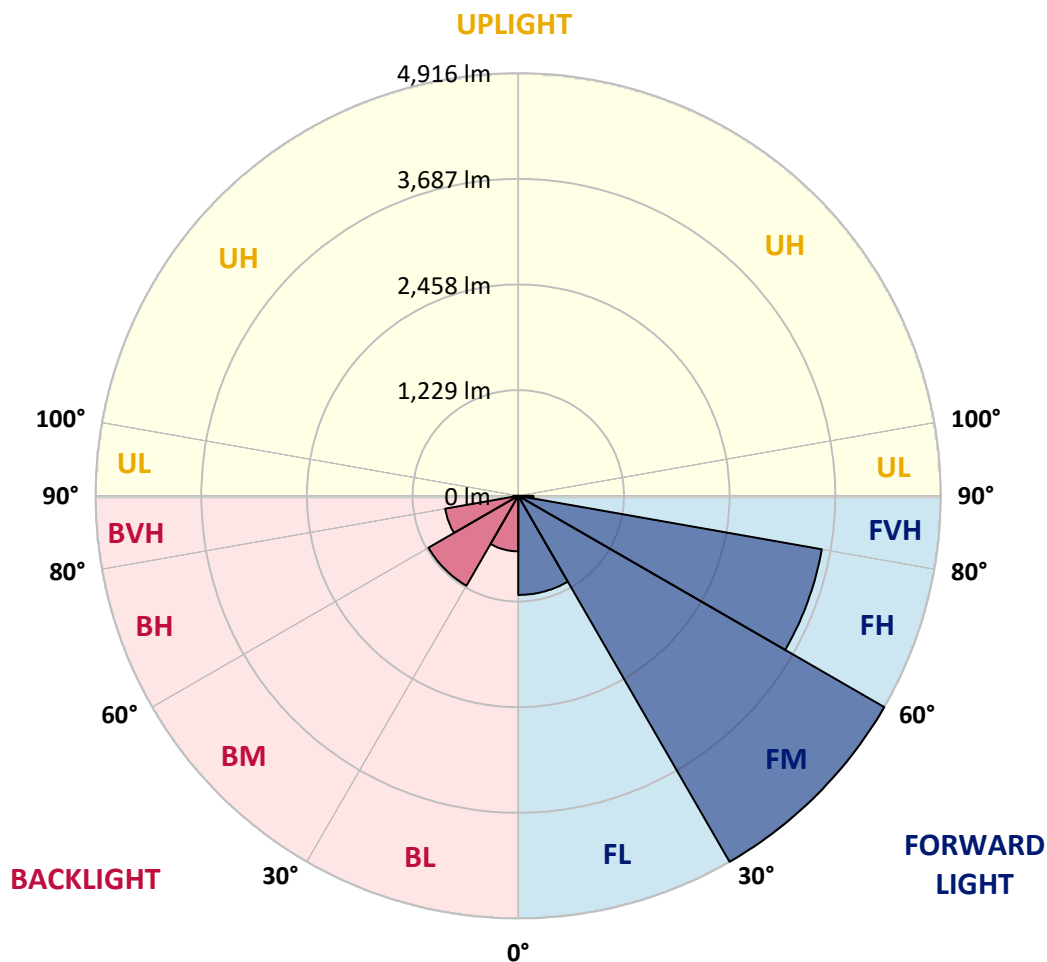


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1153.0 | 9.1       |                         |      |         |
| FM (30°-60°)   | 4916.0 | 39.0      |                         |      |         |
| FH (60°-80°)   | 3585.5 | 28.4      |                         |      | G2/5000 |
| FVH (80°-90°)  | 176.2  | 1.4       |                         |      | G2/225  |
| BL (0°-30°)    | 646.1  | 5.1       | B2/1000                 |      |         |
| BM (30°-60°)   | 1206.3 | 9.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 863.6  | 6.9       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 57.7   | 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-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 79°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2  | 2530.2  | 2530.2  |
| 2.5°  | 2531.5 | 2519.6 | 2526.9 | 2524.3 | 2527.5 | 2531.5 | 2532.9 | 2534.9 | 2541.6  | 2540.9  | 2540.3  |
| 5°    | 2526.2 | 2514.2 | 2524.3 | 2520.9 | 2529.6 | 2538.9 | 2546.9 | 2554.2 | 2564.9  | 2569.6  | 2562.9  |
| 7.5°  | 2514.8 | 2506.8 | 2516.9 | 2526.9 | 2542.9 | 2556.9 | 2568.2 | 2584.8 | 2600.2  | 2602.9  | 2607.6  |
| 10°   | 2448.8 | 2442.9 | 2466.3 | 2492.2 | 2536.3 | 2574.2 | 2598.9 | 2618.3 | 2634.9  | 2637.5  | 2644.2  |
| 12.5° | 2380.3 | 2372.9 | 2398.9 | 2434.2 | 2505.5 | 2574.2 | 2626.3 | 2651.6 | 2666.2  | 2674.9  | 2684.9  |
| 15°   | 2368.9 | 2362.8 | 2377.5 | 2408.2 | 2467.6 | 2556.2 | 2644.9 | 2691.5 | 2704.3  | 2714.2  | 2718.2  |
| 17.5° | 2423.5 | 2412.2 | 2418.2 | 2428.8 | 2463.6 | 2539.5 | 2659.6 | 2736.9 | 2756.2  | 2766.9  | 2766.9  |
| 20°   | 2550.2 | 2534.2 | 2524.9 | 2503.6 | 2497.5 | 2542.2 | 2658.2 | 2791.6 | 2816.9  | 2830.2  | 2833.6  |
| 22.5° | 2718.9 | 2708.3 | 2688.3 | 2634.2 | 2575.5 | 2574.9 | 2683.6 | 2861.6 | 2909.0  | 2921.6  | 2913.6  |
| 25°   | 2922.9 | 2906.9 | 2881.6 | 2808.2 | 2695.5 | 2639.6 | 2726.2 | 2950.9 | 3030.3  | 3033.6  | 3010.2  |
| 27.5° | 3157.6 | 3133.6 | 3099.0 | 3002.2 | 2850.2 | 2741.0 | 2791.6 | 3053.6 | 3169.6  | 3168.3  | 3120.3  |
| 30°   | 3404.9 | 3381.0 | 3344.3 | 3226.9 | 3035.6 | 2877.6 | 2882.3 | 3164.3 | 3334.9  | 3327.7  | 3245.7  |
| 32.5° | 3585.7 | 3567.6 | 3560.3 | 3469.6 | 3248.9 | 3038.9 | 2986.2 | 3287.0 | 3539.0  | 3532.4  | 3417.7  |
| 35°   | 3724.3 | 3701.0 | 3709.7 | 3663.7 | 3481.6 | 3219.6 | 3113.6 | 3432.9 | 3787.0  | 3786.3  | 3643.7  |
| 37.5° | 3861.7 | 3841.0 | 3848.4 | 3817.6 | 3697.0 | 3448.9 | 3268.9 | 3611.7 | 4094.4  | 4109.0  | 3917.0  |
| 40°   | 3987.0 | 3965.0 | 3994.3 | 3965.7 | 3864.4 | 3693.0 | 3445.6 | 3813.6 | 4450.3  | 4478.4  | 4247.7  |
| 42.5° | 4062.4 | 4045.1 | 4093.6 | 4094.4 | 4009.7 | 3899.0 | 3639.7 | 4036.3 | 4862.4  | 4925.1  | 4654.4  |
| 45°   | 4088.3 | 4082.4 | 4155.7 | 4171.0 | 4138.3 | 4018.3 | 3814.3 | 4279.1 | 5306.4  | 5418.5  | 5117.8  |
| 47.5° | 4060.3 | 4049.1 | 4150.3 | 4207.0 | 4233.0 | 4074.4 | 3959.0 | 4541.8 | 5759.8  | 5923.9  | 5623.2  |
| 50°   | 3919.0 | 3897.0 | 4047.7 | 4167.0 | 4259.7 | 4111.1 | 4105.0 | 4845.1 | 6275.3  | 6454.5  | 6131.2  |
| 52.5° | 3665.0 | 3648.3 | 3819.7 | 4027.0 | 4201.1 | 4129.0 | 4269.0 | 5176.5 | 6764.6  | 6996.6  | 6651.9  |
| 55°   | 3340.3 | 3318.3 | 3506.9 | 3777.6 | 4055.0 | 4123.1 | 4433.0 | 5547.1 | 7342.0  | 7577.3  | 7190.0  |
| 57.5° | 2825.6 | 2781.5 | 3020.3 | 3340.3 | 3817.0 | 4115.7 | 4603.7 | 5915.9 | 7928.7  | 8210.7  | 7764.0  |
| 60°   | 2074.8 | 2009.5 | 2302.1 | 2681.6 | 3351.6 | 4044.3 | 4815.0 | 6329.2 | 8632.8  | 8886.8  | 8390.8  |
| 62.5° | 1208.1 | 1170.1 | 1361.4 | 1715.4 | 2526.2 | 3624.3 | 4933.7 | 6809.9 | 9324.8  | 9591.5  | 9006.8  |
| 65°   | 938.1  | 927.4  | 944.1  | 971.4  | 1406.1 | 2713.6 | 4567.7 | 7278.6 | 10204.9 | 10391.6 | 9648.8  |
| 67.5° | 858.0  | 850.0  | 857.4  | 806.1  | 713.4  | 1511.5 | 3613.6 | 7397.3 | 11147.6 | 11261.0 | 10210.8 |
| 70°   | 762.7  | 753.4  | 777.4  | 733.4  | 561.4  | 687.4  | 2334.8 | 6966.6 | 11897.7 | 12110.4 | 10638.3 |
| 72.5° | 621.4  | 610.7  | 666.8  | 646.7  | 472.7  | 441.4  | 1172.8 | 5943.2 | 11819.1 | 12260.4 | 10332.2 |
| 75°   | 477.3  | 471.4  | 538.0  | 554.7  | 385.4  | 347.4  | 562.7  | 4417.8 | 10400.9 | 10845.6 | 8904.8  |
| 77.5° | 370.7  | 366.0  | 400.1  | 460.7  | 310.7  | 269.4  | 346.0  | 2802.2 | 7838.0  | 7916.0  | 6136.6  |
| 80°   | 278.0  | 264.7  | 296.0  | 356.7  | 242.0  | 196.7  | 234.7  | 1634.2 | 4954.4  | 4491.0  | 2670.9  |
| 82.5° | 174.0  | 167.4  | 193.3  | 238.0  | 170.7  | 135.3  | 152.7  | 902.7  | 1985.5  | 1169.4  | 515.4   |
| 85°   | 99.3   | 96.7   | 105.4  | 136.0  | 92.7   | 78.0   | 87.3   | 398.7  | 362.7   | 249.4   | 155.4   |
| 87.5° | 40.0   | 38.6   | 48.0   | 60.7   | 34.0   | 28.7   | 30.6   | 96.0   | 80.1    | 74.0    | 51.4    |
| 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°    | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 | 2530.2 |
| 2.5°  | 2537.6 | 2537.6 | 2528.3 | 2513.5 | 2496.9 | 2486.2 | 2468.9 | 2464.2 | 2446.2 | 2440.8 | 2449.5 |
| 5°    | 2568.2 | 2562.9 | 2534.2 | 2492.9 | 2436.2 | 2384.3 | 2326.9 | 2290.9 | 2240.2 | 2222.2 | 2235.5 |
| 7.5°  | 2606.9 | 2592.2 | 2542.9 | 2452.2 | 2333.5 | 2216.9 | 2095.5 | 2003.5 | 1915.5 | 1884.2 | 1888.2 |
| 10°   | 2642.2 | 2621.5 | 2537.6 | 2378.9 | 2173.5 | 1971.5 | 1778.2 | 1642.8 | 1540.2 | 1498.1 | 1507.5 |
| 12.5° | 2677.6 | 2639.6 | 2502.2 | 2256.8 | 1946.2 | 1672.2 | 1466.2 | 1360.8 | 1297.4 | 1246.8 | 1263.4 |
| 15°   | 2710.9 | 2657.5 | 2447.5 | 2093.6 | 1696.8 | 1418.8 | 1266.8 | 1182.7 | 1132.1 | 1098.8 | 1104.7 |
| 17.5° | 2749.6 | 2672.9 | 2365.5 | 1886.2 | 1459.5 | 1243.4 | 1119.4 | 1068.8 | 1058.7 | 1054.7 | 1057.4 |
| 20°   | 2803.6 | 2686.9 | 2257.6 | 1654.1 | 1284.7 | 1103.4 | 1039.5 | 1034.7 | 1034.1 | 1032.1 | 1038.7 |
| 22.5° | 2861.6 | 2703.5 | 2114.9 | 1443.5 | 1136.1 | 1016.1 | 1004.7 | 995.4  | 989.4  | 988.7  | 996.1  |
| 25°   | 2930.3 | 2708.9 | 1936.1 | 1270.8 | 1009.4 | 974.8  | 961.4  | 947.4  | 943.4  | 943.4  | 947.4  |
| 27.5° | 2996.9 | 2690.9 | 1728.2 | 1120.7 | 938.1  | 936.7  | 919.4  | 914.7  | 914.1  | 916.0  | 921.4  |
| 30°   | 3063.6 | 2656.9 | 1521.5 | 982.1  | 896.8  | 896.8  | 890.7  | 894.1  | 896.8  | 903.4  | 908.0  |
| 32.5° | 3153.6 | 2620.9 | 1348.8 | 879.4  | 860.7  | 854.0  | 860.1  | 866.7  | 869.4  | 878.1  | 885.4  |
| 35°   | 3285.6 | 2595.6 | 1211.4 | 823.4  | 823.4  | 814.8  | 818.1  | 816.7  | 810.8  | 806.8  | 816.1  |
| 37.5° | 3460.3 | 2594.3 | 1098.1 | 797.4  | 792.0  | 790.7  | 791.4  | 782.7  | 759.4  | 731.4  | 732.1  |
| 40°   | 3670.3 | 2630.3 | 1010.8 | 779.4  | 775.4  | 783.4  | 779.4  | 756.0  | 692.1  | 643.4  | 642.1  |
| 42.5° | 3952.3 | 2732.9 | 954.8  | 757.4  | 769.4  | 779.4  | 763.4  | 682.8  | 639.4  | 606.7  | 605.4  |
| 45°   | 4284.4 | 2899.6 | 926.1  | 734.1  | 758.1  | 770.1  | 692.7  | 657.4  | 622.7  | 583.4  | 580.8  |
| 47.5° | 4660.4 | 3109.6 | 919.4  | 712.1  | 732.8  | 740.0  | 662.8  | 646.7  | 607.4  | 564.7  | 561.4  |
| 50°   | 5069.8 | 3358.3 | 937.5  | 686.0  | 696.1  | 670.8  | 652.7  | 638.1  | 597.4  | 555.3  | 550.7  |
| 52.5° | 5493.2 | 3632.3 | 973.4  | 650.8  | 659.4  | 631.4  | 648.7  | 636.0  | 591.4  | 534.7  | 530.7  |
| 55°   | 5909.2 | 3908.3 | 1008.1 | 609.4  | 622.1  | 596.0  | 637.3  | 628.0  | 564.1  | 500.0  | 496.7  |
| 57.5° | 6331.8 | 4183.0 | 1042.1 | 572.7  | 586.1  | 562.0  | 619.4  | 606.7  | 533.4  | 468.0  | 466.7  |
| 60°   | 6771.3 | 4449.7 | 1058.1 | 537.4  | 546.7  | 530.7  | 592.0  | 570.0  | 498.7  | 435.4  | 433.4  |
| 62.5° | 7182.6 | 4671.7 | 1032.1 | 502.0  | 508.1  | 501.3  | 556.1  | 526.7  | 464.0  | 398.7  | 398.0  |
| 65°   | 7595.4 | 4803.8 | 952.1  | 467.4  | 468.7  | 465.4  | 505.4  | 480.0  | 423.3  | 366.7  | 362.7  |
| 67.5° | 7969.4 | 4877.8 | 824.7  | 430.0  | 426.7  | 425.4  | 458.1  | 429.4  | 384.1  | 334.7  | 330.7  |
| 70°   | 8048.7 | 4689.8 | 630.1  | 386.0  | 386.0  | 382.7  | 406.0  | 376.7  | 340.7  | 300.7  | 299.4  |
| 72.5° | 7351.3 | 3945.0 | 447.4  | 336.0  | 341.3  | 334.7  | 354.0  | 329.3  | 296.7  | 270.0  | 262.0  |
| 75°   | 5927.9 | 2893.0 | 325.3  | 284.6  | 294.1  | 282.7  | 300.7  | 283.3  | 255.3  | 254.7  | 229.4  |
| 77.5° | 4073.0 | 1788.8 | 236.1  | 234.7  | 241.4  | 226.7  | 247.3  | 238.0  | 212.7  | 201.3  | 188.7  |
| 80°   | 1738.2 | 713.4  | 172.0  | 181.3  | 181.3  | 168.0  | 192.0  | 194.6  | 172.7  | 167.4  | 167.4  |
| 82.5° | 346.0  | 202.6  | 120.6  | 124.6  | 117.4  | 113.4  | 136.0  | 150.7  | 208.0  | 231.3  | 232.1  |
| 85°   | 104.0  | 74.7   | 72.7   | 68.0   | 60.0   | 60.7   | 80.1   | 151.4  | 186.7  | 106.7  | 92.0   |
| 87.5° | 28.7   | 18.7   | 19.4   | 15.4   | 12.7   | 16.7   | 27.4   | 114.7  | 62.6   | 26.6   | 22.7   |
| 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)