

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: P964664

Luminaire Tested: **NVN-SB3C-760-U-T2U**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P964664  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3C-760-U-T2U  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24693.3 lumens  
Efficiency: N/A  
Efficacy: 165.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
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

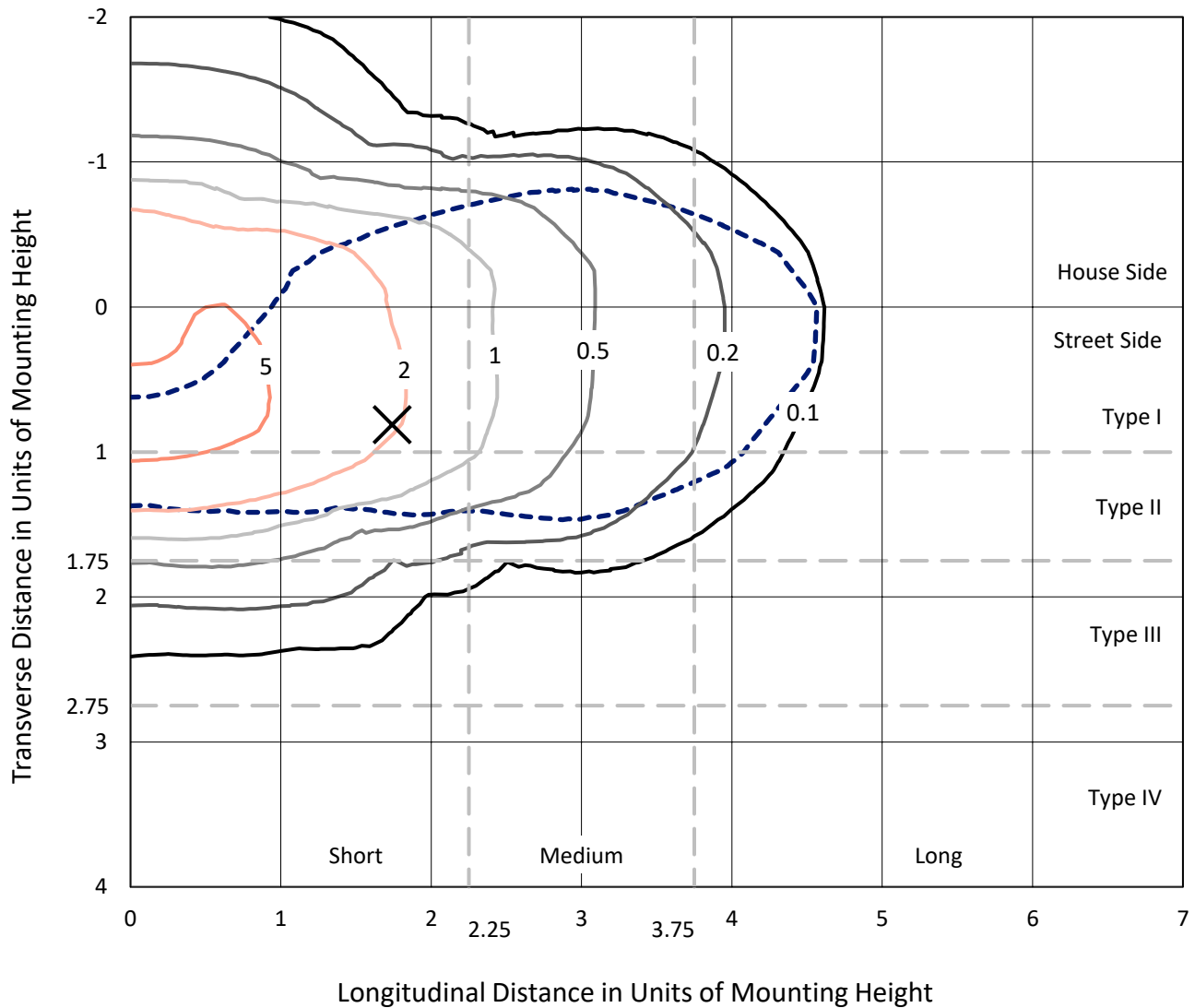


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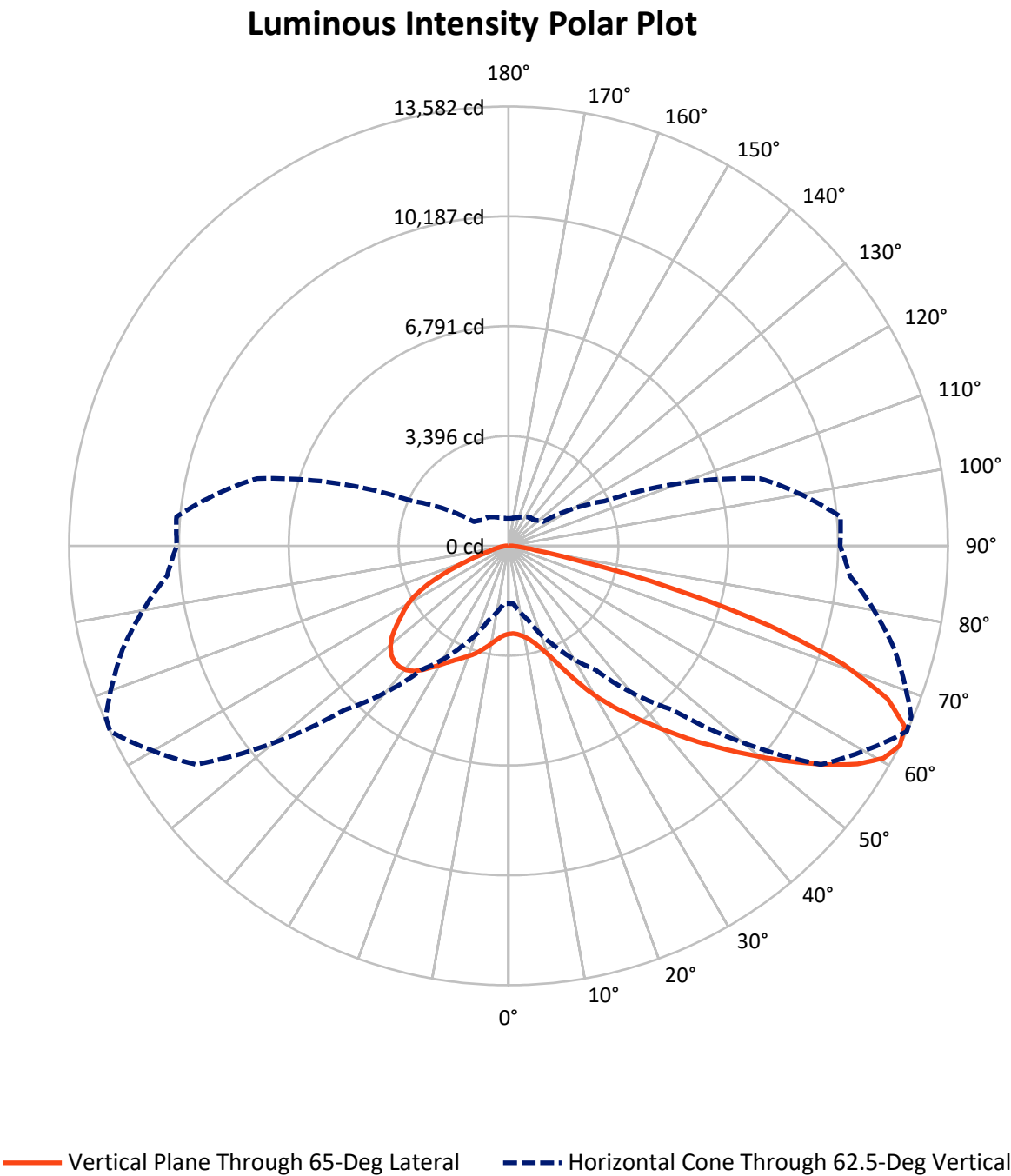
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
Type II - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7792.1   | 0.0    | 7792.1  |
|                    | % Fixture | 31.6     | 0.0    | 31.6    |
| <b>Street Side</b> | Lumens    | 16901.1  | 0.0    | 16901.1 |
|                    | % Fixture | 68.4     | 0.0    | 68.4    |
| <b>Total</b>       | Lumens    | 24693.3  | 0.0    | 24693.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 271.3   | 1.1       |
| 10°-20°   | 920.0   | 3.7       |
| 20°-30°   | 1865.3  | 7.6       |
| 30°-40°   | 3227.9  | 13.1      |
| 40°-50°   | 4884.8  | 19.8      |
| 50°-60°   | 5727.2  | 23.2      |
| 60°-70°   | 4801.6  | 19.4      |
| 70°-80°   | 2650.8  | 10.7      |
| 80°-90°   | 344.3   | 1.4       |
| 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°    | 24693.3 | 100.0     |
| 0°-180°   | 24693.3 | 100.0     |

**Coefficient of Utilization**



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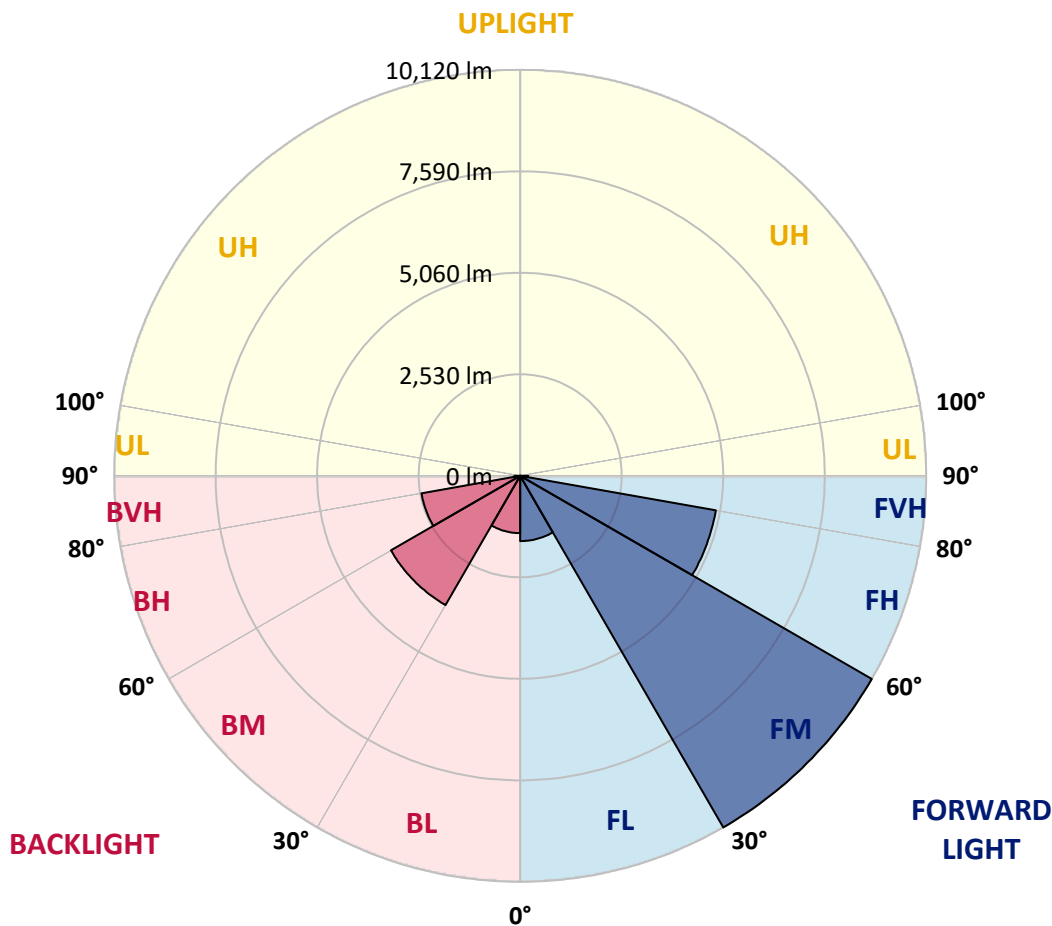
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1627.6  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 10120.1 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 4952.7  | 20.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 200.7   | 0.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1429.0  | 5.8       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3719.8  | 15.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2499.6  | 10.1      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 143.6   | 0.6       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 67°     | 75°     | 85°     |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2721.1 | 2721.1 | 2721.1  | 2721.1  | 2721.1  | 2721.1  | 2721.1  | 2721.1  | 2721.1  | 2721.1  | 2721.1  |
| 2.5°  | 2703.1 | 2695.4 | 2701.9  | 2701.9  | 2704.5  | 2703.1  | 2712.1  | 2714.7  | 2718.5  | 2726.2  | 2726.2  |
| 5°    | 2676.3 | 2674.9 | 2686.5  | 2696.8  | 2707.0  | 2715.9  | 2727.5  | 2744.1  | 2746.7  | 2755.7  | 2767.2  |
| 7.5°  | 2667.3 | 2659.6 | 2677.5  | 2690.3  | 2714.7  | 2736.4  | 2767.2  | 2795.4  | 2807.0  | 2810.8  | 2832.6  |
| 10°   | 2736.4 | 2723.6 | 2740.3  | 2748.0  | 2768.5  | 2790.3  | 2826.1  | 2871.0  | 2883.8  | 2899.2  | 2923.5  |
| 12.5° | 2854.3 | 2840.3 | 2864.6  | 2876.1  | 2895.3  | 2914.6  | 2938.9  | 2982.4  | 2988.8  | 3017.0  | 3040.0  |
| 15°   | 3015.8 | 2999.0 | 3014.4  | 3028.6  | 3060.5  | 3078.5  | 3102.9  | 3145.1  | 3145.1  | 3166.9  | 3183.5  |
| 17.5° | 3234.8 | 3213.1 | 3224.5  | 3229.7  | 3250.2  | 3277.1  | 3318.1  | 3355.2  | 3374.5  | 3366.8  | 3343.8  |
| 20°   | 3561.5 | 3534.6 | 3534.6  | 3509.0  | 3501.3  | 3523.0  | 3576.8  | 3628.1  | 3648.6  | 3608.9  | 3552.5  |
| 22.5° | 4052.1 | 4013.7 | 3992.0  | 3904.8  | 3870.3  | 3872.9  | 3926.7  | 3989.4  | 4006.0  | 3935.6  | 3808.8  |
| 25°   | 4676.0 | 4615.9 | 4586.4  | 4458.2  | 4380.1  | 4312.3  | 4354.5  | 4435.2  | 4458.2  | 4371.2  | 4166.2  |
| 27.5° | 5300.0 | 5303.9 | 5275.7  | 5121.9  | 4992.5  | 4868.2  | 4846.5  | 4931.0  | 4955.4  | 4856.8  | 4603.1  |
| 30°   | 6175.0 | 6084.0 | 6030.2  | 5845.8  | 5661.3  | 5487.0  | 5397.3  | 5431.9  | 5438.3  | 5320.5  | 5025.8  |
| 32.5° | 6929.5 | 6906.4 | 6791.2  | 6629.8  | 6392.8  | 6119.9  | 5970.0  | 5914.9  | 5904.7  | 5736.8  | 5387.1  |
| 35°   | 7789.2 | 7776.4 | 7654.7  | 7462.5  | 7206.3  | 6827.1  | 6556.7  | 6399.2  | 6386.4  | 6150.6  | 5744.5  |
| 37.5° | 8662.9 | 8662.9 | 8543.8  | 8333.7  | 8068.5  | 7594.4  | 7183.2  | 6933.4  | 6892.4  | 6584.9  | 6108.4  |
| 40°   | 9359.8 | 9317.6 | 9339.4  | 9250.9  | 8947.3  | 8443.8  | 7878.9  | 7516.3  | 7461.2  | 7092.3  | 6495.2  |
| 42.5° | 9755.7 | 9741.6 | 9872.3  | 9970.9  | 9846.7  | 9444.3  | 8645.0  | 8147.9  | 8071.1  | 7650.8  | 6941.1  |
| 45°   | 9844.1 | 9828.7 | 10061.9 | 10423.1 | 10597.4 | 10432.1 | 9477.7  | 8812.8  | 8719.3  | 8235.1  | 7418.9  |
| 47.5° | 9640.4 | 9609.7 | 9951.7  | 10521.8 | 11080.4 | 11371.1 | 10379.6 | 9534.0  | 9398.2  | 8803.8  | 7909.6  |
| 50°   | 9028.0 | 8998.6 | 9516.1  | 10273.3 | 11243.1 | 12009.2 | 11358.3 | 10298.9 | 10091.3 | 9413.6  | 8405.4  |
| 52.5° | 7696.9 | 7711.1 | 8522.0  | 9562.2  | 11029.1 | 12406.3 | 12201.4 | 11104.7 | 10854.9 | 10037.5 | 8870.5  |
| 55°   | 5995.6 | 6026.4 | 7023.1  | 8168.4  | 10173.3 | 12346.1 | 12776.6 | 11934.9 | 11686.3 | 10624.3 | 9350.9  |
| 57.5° | 4293.0 | 4428.8 | 5362.8  | 6496.6  | 8529.6  | 11391.6 | 12902.1 | 12724.0 | 12483.2 | 11264.9 | 9821.0  |
| 60°   | 2782.6 | 2807.0 | 3767.8  | 4910.6  | 6495.2  | 9695.5  | 12647.2 | 13322.3 | 13134.0 | 11918.2 | 10214.3 |
| 62.5° | 1783.3 | 1800.0 | 2385.5  | 3434.7  | 4674.8  | 7173.0  | 11788.8 | 13582.4 | 13524.8 | 12349.9 | 10592.2 |
| 65°   | 1310.6 | 1297.8 | 1602.7  | 2270.2  | 3149.0  | 4423.7  | 10122.1 | 13456.8 | 13570.9 | 12620.3 | 10904.9 |
| 67.5° | 1094.1 | 1076.1 | 1226.0  | 1571.9  | 2320.1  | 2512.3  | 7489.4  | 12640.8 | 13058.4 | 12589.6 | 11134.2 |
| 70°   | 996.7  | 981.3  | 1072.3  | 1167.1  | 1810.3  | 1682.1  | 3775.5  | 10989.4 | 11632.5 | 12239.8 | 11097.1 |
| 72.5° | 844.3  | 817.3  | 941.7   | 1036.4  | 1407.9  | 1290.1  | 1560.4  | 8441.3  | 9225.3  | 11118.8 | 10574.3 |
| 75°   | 654.7  | 636.7  | 743.0   | 912.1   | 1058.2  | 1007.0  | 986.5   | 5125.7  | 5981.5  | 8598.8  | 9250.9  |
| 77.5° | 518.9  | 494.5  | 591.8   | 711.0   | 951.9   | 759.7   | 718.7   | 2207.3  | 3055.4  | 5489.6  | 6921.8  |
| 80°   | 390.7  | 369.0  | 449.7   | 562.4   | 731.5   | 572.7   | 465.0   | 900.7   | 1151.7  | 2781.3  | 3480.8  |
| 82.5° | 278.0  | 258.8  | 313.9   | 412.6   | 492.0   | 513.7   | 285.7   | 504.7   | 567.5   | 1072.3  | 777.7   |
| 85°   | 178.0  | 166.6  | 210.1   | 258.8   | 312.6   | 330.6   | 174.2   | 263.9   | 289.6   | 442.0   | 324.1   |
| 87.5° | 97.4   | 79.4   | 112.7   | 120.4   | 144.7   | 131.9   | 83.2    | 96.0    | 103.7   | 160.1   | 137.0   |
| 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):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2721.1  | 2721.1  | 2721.1 | 2721.1 | 2721.1 | 2721.1 | 2721.1 | 2721.1 | 2721.1 | 2721.1 | 2721.1 |
| 2.5°  | 2731.3  | 2735.2  | 2748.0 | 2751.8 | 2760.8 | 2772.3 | 2780.0 | 2787.7 | 2787.7 | 2795.4 | 2795.4 |
| 5°    | 2768.5  | 2777.4  | 2804.4 | 2818.4 | 2841.5 | 2864.6 | 2878.7 | 2895.3 | 2905.6 | 2910.7 | 2913.3 |
| 7.5°  | 2840.3  | 2854.3  | 2892.8 | 2917.1 | 2956.8 | 2988.8 | 3010.6 | 3033.7 | 3038.8 | 3052.9 | 3047.7 |
| 10°   | 2937.6  | 2954.3  | 2997.8 | 3043.9 | 3091.3 | 3131.1 | 3151.6 | 3168.2 | 3174.6 | 3177.2 | 3170.7 |
| 12.5° | 3049.1  | 3073.4  | 3129.7 | 3186.1 | 3236.1 | 3270.7 | 3275.8 | 3272.0 | 3254.1 | 3238.7 | 3238.7 |
| 15°   | 3186.1  | 3207.9  | 3270.7 | 3332.2 | 3380.9 | 3387.3 | 3355.2 | 3334.7 | 3313.0 | 3309.1 | 3309.1 |
| 17.5° | 3350.1  | 3361.7  | 3419.3 | 3479.5 | 3483.4 | 3461.5 | 3414.2 | 3395.0 | 3374.5 | 3360.4 | 3361.7 |
| 20°   | 3541.0  | 3537.2  | 3578.2 | 3603.8 | 3576.8 | 3510.2 | 3438.6 | 3406.5 | 3386.0 | 3369.4 | 3370.6 |
| 22.5° | 3769.0  | 3739.6  | 3734.5 | 3728.0 | 3656.3 | 3516.7 | 3419.3 | 3378.3 | 3346.3 | 3323.3 | 3330.9 |
| 25°   | 4100.8  | 3988.1  | 3910.0 | 3866.4 | 3705.0 | 3482.0 | 3357.8 | 3266.9 | 3206.6 | 3166.9 | 3182.3 |
| 27.5° | 4515.9  | 4326.3  | 4129.0 | 4022.7 | 3705.0 | 3411.6 | 3209.2 | 3061.9 | 2963.2 | 2922.3 | 2942.8 |
| 30°   | 4911.8  | 4713.3  | 4422.5 | 4211.0 | 3696.0 | 3296.3 | 2969.6 | 2764.6 | 2649.3 | 2608.3 | 2632.7 |
| 32.5° | 5250.0  | 5033.5  | 4733.8 | 4417.3 | 3674.2 | 3109.2 | 2672.4 | 2445.6 | 2334.2 | 2285.5 | 2309.8 |
| 35°   | 5563.9  | 5333.3  | 5046.3 | 4644.1 | 3616.6 | 2835.1 | 2345.7 | 2172.8 | 2048.5 | 1970.4 | 1996.0 |
| 37.5° | 5885.4  | 5611.3  | 5342.3 | 4849.1 | 3512.8 | 2514.8 | 2094.6 | 1947.3 | 1801.2 | 1696.2 | 1724.4 |
| 40°   | 6235.2  | 5907.3  | 5658.7 | 4970.7 | 3342.4 | 2209.9 | 1899.9 | 1765.4 | 1610.4 | 1498.9 | 1520.7 |
| 42.5° | 6643.8  | 6262.1  | 6011.0 | 5033.5 | 3109.2 | 1993.4 | 1773.0 | 1641.1 | 1495.1 | 1404.1 | 1422.1 |
| 45°   | 7070.4  | 6652.9  | 6332.6 | 5032.2 | 2849.2 | 1892.3 | 1732.0 | 1601.4 | 1440.0 | 1345.2 | 1360.6 |
| 47.5° | 7517.6  | 7061.5  | 6610.5 | 4950.2 | 2623.7 | 1906.3 | 1709.0 | 1515.6 | 1337.5 | 1245.3 | 1258.1 |
| 50°   | 7966.0  | 7508.6  | 6879.6 | 4796.5 | 2527.6 | 1875.5 | 1623.2 | 1395.1 | 1185.0 | 1101.8 | 1106.9 |
| 52.5° | 8410.5  | 7983.9  | 7111.4 | 4577.4 | 2430.3 | 1761.6 | 1513.0 | 1238.8 | 1122.3 | 1064.6 | 1064.6 |
| 55°   | 8857.6  | 8454.1  | 7363.9 | 4258.5 | 2186.8 | 1628.3 | 1328.5 | 1179.9 | 1072.3 | 1019.8 | 1014.6 |
| 57.5° | 9306.1  | 8997.2  | 7603.4 | 3939.5 | 1880.7 | 1464.3 | 1227.3 | 1108.1 | 1022.3 | 977.5  | 969.9  |
| 60°   | 9772.3  | 9618.6  | 7850.7 | 3646.0 | 1578.3 | 1254.2 | 1153.0 | 1050.5 | 963.4  | 913.5  | 909.6  |
| 62.5° | 10252.8 | 10302.8 | 8044.1 | 3268.1 | 1300.3 | 1126.1 | 1086.4 | 981.3  | 896.8  | 849.4  | 848.1  |
| 65°   | 10737.1 | 10962.5 | 8171.0 | 2744.1 | 1054.3 | 1004.4 | 1014.6 | 905.8  | 819.9  | 778.9  | 777.7  |
| 67.5° | 11102.2 | 11437.8 | 8135.1 | 2076.6 | 864.8  | 889.1  | 925.0  | 826.4  | 745.6  | 713.6  | 714.8  |
| 70°   | 11143.2 | 11381.4 | 7781.5 | 1422.1 | 723.9  | 776.3  | 825.0  | 748.1  | 664.9  | 641.9  | 643.1  |
| 72.5° | 10597.4 | 10612.7 | 6796.4 | 928.9  | 612.3  | 681.5  | 720.0  | 668.7  | 588.0  | 565.0  | 563.6  |
| 75°   | 9166.4  | 8777.0  | 4989.9 | 612.3  | 512.4  | 585.5  | 621.4  | 585.5  | 507.3  | 512.4  | 494.5  |
| 77.5° | 6944.9  | 6216.0  | 3029.8 | 435.6  | 427.9  | 492.0  | 540.6  | 515.0  | 448.4  | 503.5  | 443.3  |
| 80°   | 3578.2  | 3362.9  | 1351.6 | 325.4  | 338.2  | 393.3  | 444.5  | 411.2  | 354.9  | 338.2  | 308.7  |
| 82.5° | 819.9   | 953.1   | 532.9  | 233.2  | 244.7  | 283.1  | 339.5  | 308.7  | 254.9  | 215.2  | 212.7  |
| 85°   | 287.0   | 313.9   | 235.7  | 146.1  | 143.5  | 176.8  | 230.6  | 206.2  | 172.9  | 138.4  | 146.1  |
| 87.5° | 90.9    | 119.1   | 88.4   | 58.9   | 61.5   | 79.4   | 106.3  | 97.4   | 80.7   | 52.5   | 55.0   |
| 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)