

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: P1211295

Luminaire Tested: **ARCH4-230-730-U-T3RE**

Issue Date: 11/5/2025

### Test Information

Test Method: LM-79-08  
Report Number: P1211295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH4-230-730-U-T3RE  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(2) 70 CRI, 3000K, 905mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III  
ROADWAY ILLUMINANCE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 33522 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 231.2  
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

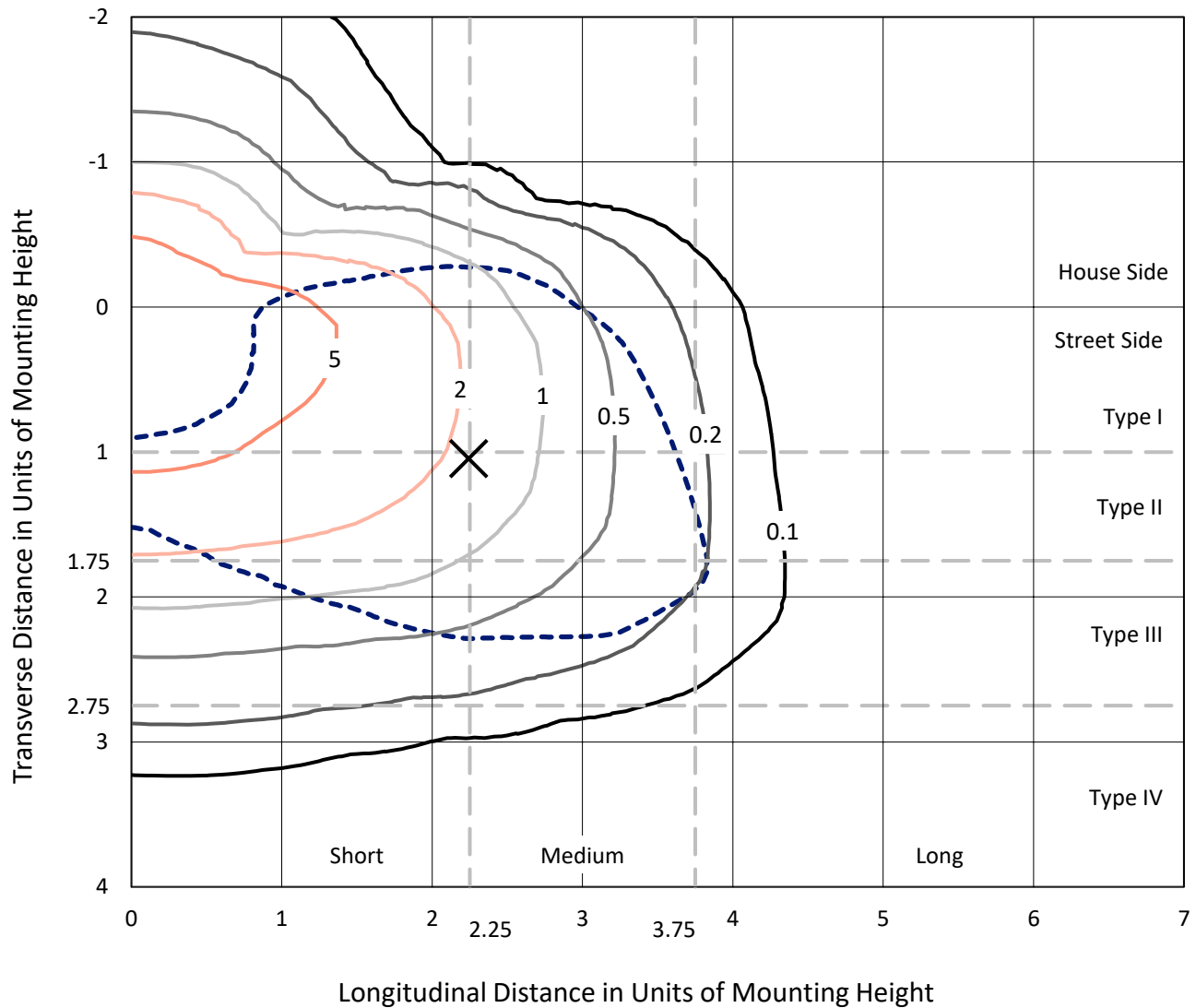


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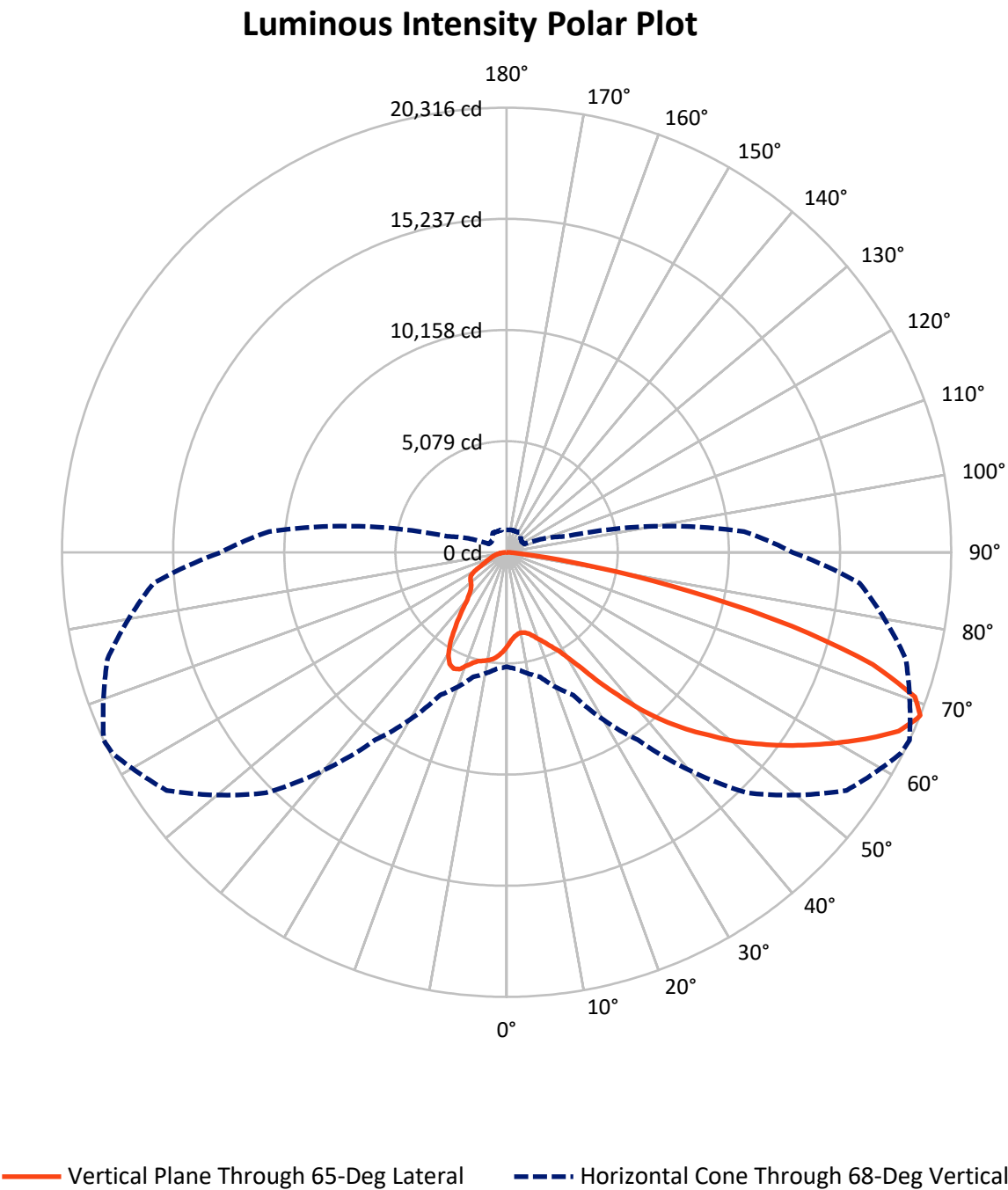
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
Type III - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8218.6   | 0.0    | 8218.6  |
|                    | % Fixture | 24.5     | 0.0    | 24.5    |
| <b>Street Side</b> | Lumens    | 25303.4  | 0.0    | 25303.4 |
|                    | % Fixture | 75.5     | 0.0    | 75.5    |
| <b>Total</b>       | Lumens    | 33522.0  | 0.0    | 33522.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 409.4   | 1.2       |
| 10°-20°   | 1333.0  | 4.0       |
| 20°-30°   | 2412.6  | 7.2       |
| 30°-40°   | 3795.2  | 11.3      |
| 40°-50°   | 5652.6  | 16.9      |
| 50°-60°   | 7415.1  | 22.1      |
| 60°-70°   | 8108.9  | 24.2      |
| 70°-80°   | 4012.5  | 12.0      |
| 80°-90°   | 382.7   | 1.1       |
| 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°    | 33522.0 | 100.0     |
| 0°-180°   | 33522.0 | 100.0     |

**Coefficient of Utilization**



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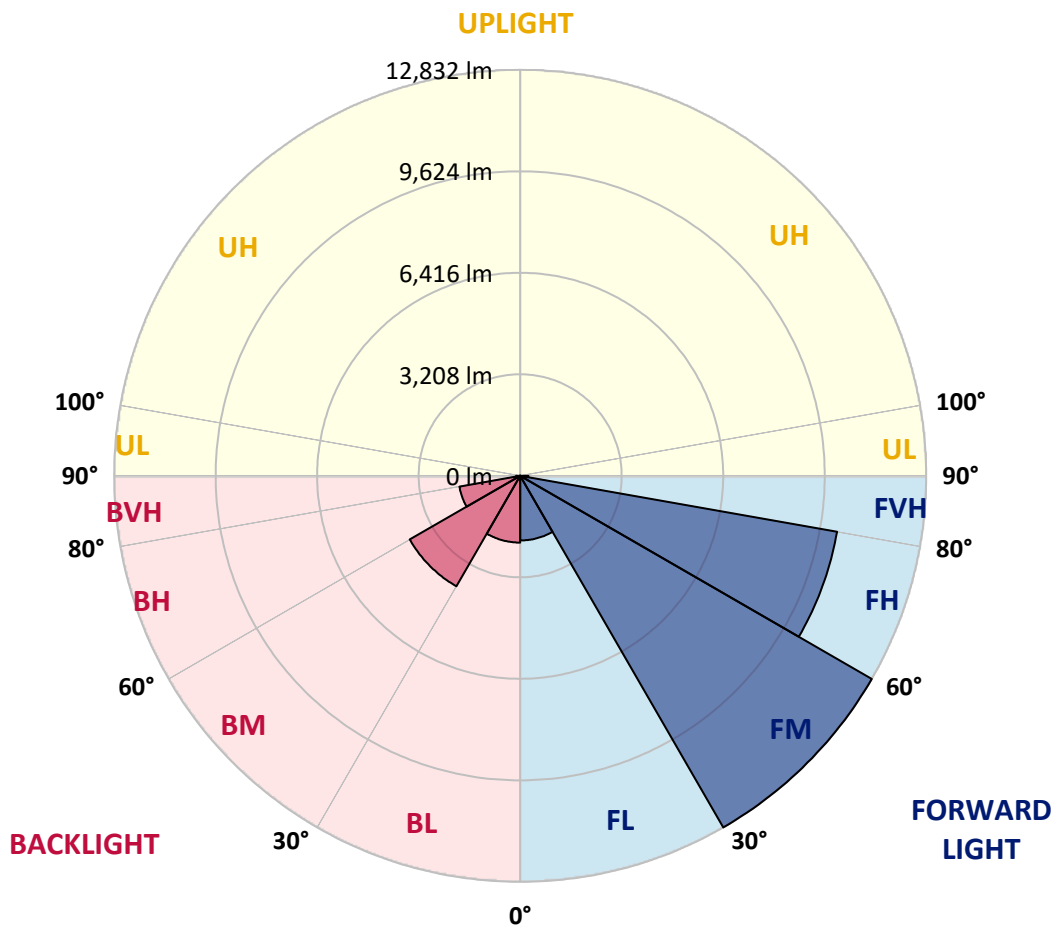
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2043.5  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 12831.8 | 38.3      |                         |      |          |
| FH   | (60°-80°)   | 10170.7 | 30.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 257.4   | 0.8       |                         |      | G3/500   |
| BL   | (0°-30°)    | 2111.4  | 6.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 4031.2  | 12.0      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1950.7  | 5.8       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 125.3   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 63°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  | 4283.7  |
| 2.5°  | 3739.1  | 3730.4  | 3752.0  | 3773.6  | 3821.2  | 3877.4  | 3955.2  | 4020.0  | 4028.7  | 4149.7  | 4244.8  |
| 5°    | 3518.6  | 3505.6  | 3527.2  | 3553.2  | 3574.8  | 3644.0  | 3726.1  | 3821.2  | 3860.1  | 4037.3  | 4240.5  |
| 7.5°  | 3540.2  | 3535.9  | 3544.5  | 3535.9  | 3535.9  | 3566.2  | 3622.3  | 3717.4  | 3760.7  | 3972.5  | 4262.1  |
| 10°   | 3665.6  | 3674.2  | 3678.5  | 3652.6  | 3626.7  | 3613.7  | 3631.0  | 3695.8  | 3726.1  | 3976.8  | 4357.2  |
| 12.5° | 3873.1  | 3886.0  | 3890.3  | 3842.8  | 3808.2  | 3752.0  | 3721.8  | 3747.7  | 3769.3  | 4020.0  | 4491.2  |
| 15°   | 4154.0  | 4162.7  | 4132.4  | 4102.2  | 4015.7  | 3946.5  | 3873.1  | 3851.4  | 3860.1  | 4110.8  | 4642.5  |
| 17.5° | 4482.5  | 4469.6  | 4469.6  | 4396.1  | 4283.7  | 4175.6  | 4054.6  | 4037.3  | 4037.3  | 4257.8  | 4858.6  |
| 20°   | 4841.3  | 4854.3  | 4815.4  | 4716.0  | 4603.6  | 4435.0  | 4314.0  | 4236.2  | 4244.8  | 4426.4  | 5122.3  |
| 22.5° | 5360.0  | 5381.6  | 5277.9  | 5135.3  | 4962.4  | 4767.8  | 4594.9  | 4469.6  | 4473.9  | 4646.8  | 5394.6  |
| 25°   | 5917.6  | 5926.3  | 5861.5  | 5671.3  | 5437.8  | 5161.2  | 4932.1  | 4772.2  | 4767.8  | 4893.2  | 5744.7  |
| 27.5° | 6488.2  | 6527.1  | 6397.5  | 6215.9  | 5999.8  | 5654.0  | 5351.4  | 5135.3  | 5100.7  | 5269.3  | 6181.3  |
| 30°   | 7076.1  | 7123.7  | 6998.3  | 6821.1  | 6553.1  | 6259.1  | 5900.4  | 5649.6  | 5628.0  | 5852.8  | 6764.9  |
| 32.5° | 7668.3  | 7681.3  | 7581.9  | 7434.9  | 7192.8  | 6916.2  | 6626.6  | 6349.9  | 6328.3  | 6695.7  | 7521.3  |
| 35°   | 8152.4  | 8191.3  | 8122.2  | 8087.6  | 7910.4  | 7655.3  | 7374.4  | 7214.4  | 7270.6  | 7741.8  | 8502.6  |
| 37.5° | 8736.0  | 8774.9  | 8697.1  | 8688.4  | 8632.2  | 8411.8  | 8217.3  | 8230.2  | 8286.4  | 8926.2  | 9535.7  |
| 40°   | 9578.9  | 9622.1  | 9423.3  | 9336.8  | 9336.8  | 9120.7  | 9055.9  | 9362.8  | 9436.3  | 10093.3 | 10612.0 |
| 42.5° | 10292.1 | 10361.3 | 10244.6 | 10188.4 | 10019.8 | 9868.5  | 9946.3  | 10378.6 | 10503.9 | 11208.5 | 11550.0 |
| 45°   | 10637.9 | 10689.8 | 10828.1 | 10992.4 | 10828.1 | 10564.5 | 10858.4 | 11346.8 | 11524.1 | 12237.3 | 12488.0 |
| 47.5° | 10823.8 | 10871.4 | 11031.3 | 11472.2 | 11584.6 | 11364.1 | 11779.1 | 12388.6 | 12509.6 | 13257.4 | 13382.8 |
| 50°   | 10849.7 | 11001.0 | 11208.5 | 11649.4 | 12163.8 | 12194.1 | 12704.1 | 13447.6 | 13590.3 | 14260.3 | 14169.5 |
| 52.5° | 10637.9 | 10698.5 | 11126.4 | 11869.9 | 12440.5 | 12959.2 | 13711.3 | 14463.4 | 14567.2 | 15202.6 | 14865.4 |
| 55°   | 10292.1 | 10378.6 | 10806.5 | 11818.0 | 12708.5 | 13685.4 | 14735.8 | 15462.0 | 15578.7 | 16119.0 | 15509.5 |
| 57.5° | 9980.9  | 10024.1 | 10482.3 | 11666.7 | 12976.5 | 14411.6 | 15647.8 | 16503.7 | 16581.5 | 16923.0 | 15985.0 |
| 60°   | 9635.1  | 9682.6  | 10140.8 | 11342.5 | 13175.3 | 14960.5 | 16598.8 | 17554.1 | 17623.3 | 17770.2 | 16538.3 |
| 62.5° | 8740.3  | 8865.7  | 9440.6  | 10806.5 | 13123.4 | 15587.3 | 17614.6 | 18591.5 | 18678.0 | 18518.1 | 16974.9 |
| 65°   | 7097.7  | 7274.9  | 7979.5  | 9591.9  | 12639.3 | 15993.6 | 18444.6 | 19546.8 | 19693.8 | 19080.0 | 17091.6 |
| 67.5° | 5511.3  | 5636.7  | 6202.9  | 7612.1  | 10940.5 | 15790.5 | 18980.6 | 20203.9 | 20247.1 | 18989.2 | 16443.2 |
| 68°   | 5226.0  | 5351.4  | 5891.7  | 7197.1  | 10469.4 | 15548.4 | 18967.6 | 20221.2 | 20316.3 | 18889.8 | 16192.5 |
| 70°   | 3998.4  | 4141.1  | 4655.4  | 5701.5  | 8437.7  | 14009.6 | 18176.6 | 19806.2 | 19793.2 | 17688.1 | 14636.3 |
| 72.5° | 2498.5  | 2580.6  | 2935.1  | 3596.4  | 5580.5  | 10659.5 | 15427.4 | 17467.7 | 17502.2 | 14420.2 | 11225.8 |
| 75°   | 1586.4  | 1586.4  | 1569.1  | 1742.0  | 2861.6  | 6073.3  | 11467.9 | 13447.6 | 13473.6 | 10097.6 | 7076.1  |
| 77.5° | 1378.9  | 1340.0  | 1154.1  | 976.9   | 1141.2  | 2360.1  | 6786.5  | 8684.1  | 8541.5  | 5437.8  | 3358.7  |
| 80°   | 1162.8  | 1097.9  | 946.7   | 786.7   | 734.8   | 739.2   | 2606.5  | 4409.1  | 4218.9  | 1958.1  | 1115.2  |
| 82.5° | 838.6   | 782.4   | 713.2   | 618.1   | 566.3   | 440.9   | 544.6   | 1275.2  | 1244.9  | 566.3   | 363.1   |
| 85°   | 453.9   | 410.6   | 402.0   | 406.3   | 341.5   | 272.3   | 229.1   | 281.0   | 281.0   | 246.4   | 207.5   |
| 87.5° | 159.9   | 116.7   | 138.3   | 155.6   | 134.0   | 112.4   | 90.8    | 108.1   | 112.4   | 108.1   | 99.4    |
| 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°    | 4283.7  | 4283.7  | 4283.7 | 4283.7 | 4283.7 | 4283.7 | 4283.7 | 4283.7 | 4283.7 | 4283.7 | 4283.7 |
| 2.5°  | 4301.0  | 4344.2  | 4448.0 | 4538.7 | 4603.6 | 4659.8 | 4690.0 | 4703.0 | 4733.3 | 4737.6 | 4728.9 |
| 5°    | 4335.6  | 4448.0  | 4603.6 | 4737.6 | 4811.1 | 4841.3 | 4850.0 | 4854.3 | 4841.3 | 4850.0 | 4841.3 |
| 7.5°  | 4426.4  | 4569.0  | 4789.4 | 4906.2 | 4919.1 | 4871.6 | 4875.9 | 4858.6 | 4875.9 | 4893.2 | 4893.2 |
| 10°   | 4564.7  | 4746.2  | 4953.7 | 4996.9 | 4940.7 | 4914.8 | 4966.7 | 5070.4 | 5105.0 | 5152.5 | 5152.5 |
| 12.5° | 4746.2  | 4962.4  | 5109.3 | 5070.4 | 5018.5 | 5105.0 | 5256.3 | 5360.0 | 5394.6 | 5411.9 | 5398.9 |
| 15°   | 4953.7  | 5187.1  | 5260.6 | 5130.9 | 5226.0 | 5411.9 | 5463.8 | 5403.3 | 5316.8 | 5277.9 | 5299.5 |
| 17.5° | 5217.4  | 5411.9  | 5368.7 | 5282.2 | 5498.4 | 5524.3 | 5355.7 | 5161.2 | 5022.9 | 4971.0 | 5005.6 |
| 20°   | 5494.0  | 5662.6  | 5463.8 | 5502.7 | 5636.7 | 5360.0 | 5040.2 | 4789.4 | 4668.4 | 4646.8 | 4681.4 |
| 22.5° | 5788.0  | 5896.0  | 5558.9 | 5757.7 | 5558.9 | 4996.9 | 4612.2 | 4482.5 | 4452.3 | 4486.9 | 4517.1 |
| 25°   | 6120.8  | 6107.8  | 5723.1 | 5835.5 | 5269.3 | 4551.7 | 4322.6 | 4314.0 | 4314.0 | 4335.6 | 4378.8 |
| 27.5° | 6496.9  | 6293.7  | 5887.4 | 5731.8 | 4767.8 | 4184.3 | 4141.1 | 4145.4 | 4132.4 | 4136.7 | 4158.3 |
| 30°   | 6933.5  | 6544.4  | 6068.9 | 5390.3 | 4205.9 | 3907.6 | 3890.3 | 3877.4 | 3847.1 | 3838.5 | 3847.1 |
| 32.5° | 7482.4  | 6808.1  | 6254.8 | 4828.4 | 3713.1 | 3622.3 | 3613.7 | 3544.5 | 3471.1 | 3462.4 | 3492.7 |
| 35°   | 8178.4  | 7287.9  | 6349.9 | 4123.8 | 3306.8 | 3302.5 | 3272.2 | 3164.1 | 3069.1 | 3069.1 | 3047.4 |
| 37.5° | 8973.7  | 7906.0  | 6388.8 | 3436.5 | 2969.6 | 2991.2 | 2904.8 | 2766.5 | 2693.0 | 2649.8 | 2662.7 |
| 40°   | 9786.4  | 8610.6  | 6384.5 | 2835.6 | 2675.7 | 2680.0 | 2615.2 | 2446.6 | 2265.0 | 2157.0 | 2182.9 |
| 42.5° | 10568.8 | 9250.4  | 6272.1 | 2515.8 | 2438.0 | 2425.0 | 2373.1 | 2144.0 | 1992.7 | 1906.3 | 1910.6 |
| 45°   | 11195.6 | 9911.7  | 6099.2 | 2325.6 | 2221.8 | 2243.4 | 2126.7 | 1988.4 | 1850.1 | 1772.3 | 1767.9 |
| 47.5° | 11822.3 | 10413.2 | 5822.6 | 2208.9 | 2061.9 | 2023.0 | 1975.4 | 1880.3 | 1776.6 | 1690.1 | 1694.5 |
| 50°   | 12392.9 | 10841.1 | 5563.2 | 2131.0 | 1914.9 | 1815.5 | 1824.1 | 1767.9 | 1677.2 | 1599.4 | 1595.0 |
| 52.5° | 12794.9 | 11122.1 | 5420.5 | 2087.8 | 1737.7 | 1629.6 | 1659.9 | 1629.6 | 1543.2 | 1487.0 | 1482.7 |
| 55°   | 13196.9 | 11338.2 | 5468.1 | 2031.6 | 1543.2 | 1456.7 | 1508.6 | 1499.9 | 1452.4 | 1435.1 | 1439.4 |
| 57.5° | 13521.1 | 11502.5 | 5636.7 | 1927.9 | 1357.3 | 1305.4 | 1391.9 | 1365.9 | 1331.4 | 1335.7 | 1335.7 |
| 60°   | 13836.7 | 11714.3 | 5835.5 | 1690.1 | 1197.4 | 1201.7 | 1283.8 | 1236.3 | 1214.7 | 1253.6 | 1257.9 |
| 62.5° | 14165.2 | 11943.4 | 5671.3 | 1344.3 | 1059.0 | 1089.3 | 1184.4 | 1145.5 | 1154.1 | 1210.3 | 1227.6 |
| 65°   | 14126.3 | 11921.8 | 4620.9 | 1102.3 | 938.0  | 998.5  | 1141.2 | 1128.2 | 1132.5 | 1154.1 | 1162.8 |
| 67.5° | 13330.9 | 11161.0 | 3177.1 | 938.0  | 851.6  | 925.0  | 1106.6 | 1054.7 | 1059.0 | 1046.1 | 1050.4 |
| 68°   | 13062.9 | 10893.0 | 2801.0 | 912.1  | 834.3  | 907.7  | 1089.3 | 1041.7 | 1046.1 | 1033.1 | 1028.8 |
| 70°   | 11601.9 | 9328.2  | 1772.3 | 804.0  | 773.7  | 860.2  | 1002.8 | 985.6  | 981.2  | 972.6  | 972.6  |
| 72.5° | 8844.1  | 6885.9  | 933.7  | 695.9  | 704.6  | 786.7  | 894.8  | 929.4  | 907.7  | 912.1  | 938.0  |
| 75°   | 5857.1  | 4141.1  | 648.4  | 596.5  | 618.1  | 674.3  | 795.4  | 864.5  | 842.9  | 855.9  | 842.9  |
| 77.5° | 3099.3  | 2230.5  | 518.7  | 505.7  | 505.7  | 544.6  | 657.0  | 765.1  | 765.1  | 756.5  | 743.5  |
| 80°   | 1015.8  | 786.7   | 415.0  | 397.7  | 406.3  | 427.9  | 527.4  | 626.8  | 639.7  | 622.5  | 613.8  |
| 82.5° | 341.5   | 363.1   | 311.2  | 289.6  | 298.3  | 315.6  | 397.7  | 479.8  | 484.1  | 449.6  | 440.9  |
| 85°   | 211.8   | 242.1   | 194.5  | 190.2  | 190.2  | 194.5  | 242.1  | 263.7  | 242.1  | 216.1  | 224.8  |
| 87.5° | 99.4    | 121.0   | 90.8   | 77.8   | 64.8   | 56.2   | 43.2   | 17.3   | 17.3   | 8.6    | 8.6    |
| 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)