

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: P149158

Luminaire Tested: **AVM-E06-LED-E-U-RW-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P149158  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: AVM-E06-LED-E-U-RW-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (126) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15819.4 lumens  
Efficiency: N/A  
Efficacy: 105.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Medium - Full Cutoff  
BUG Rating: B4 - U0 - G2

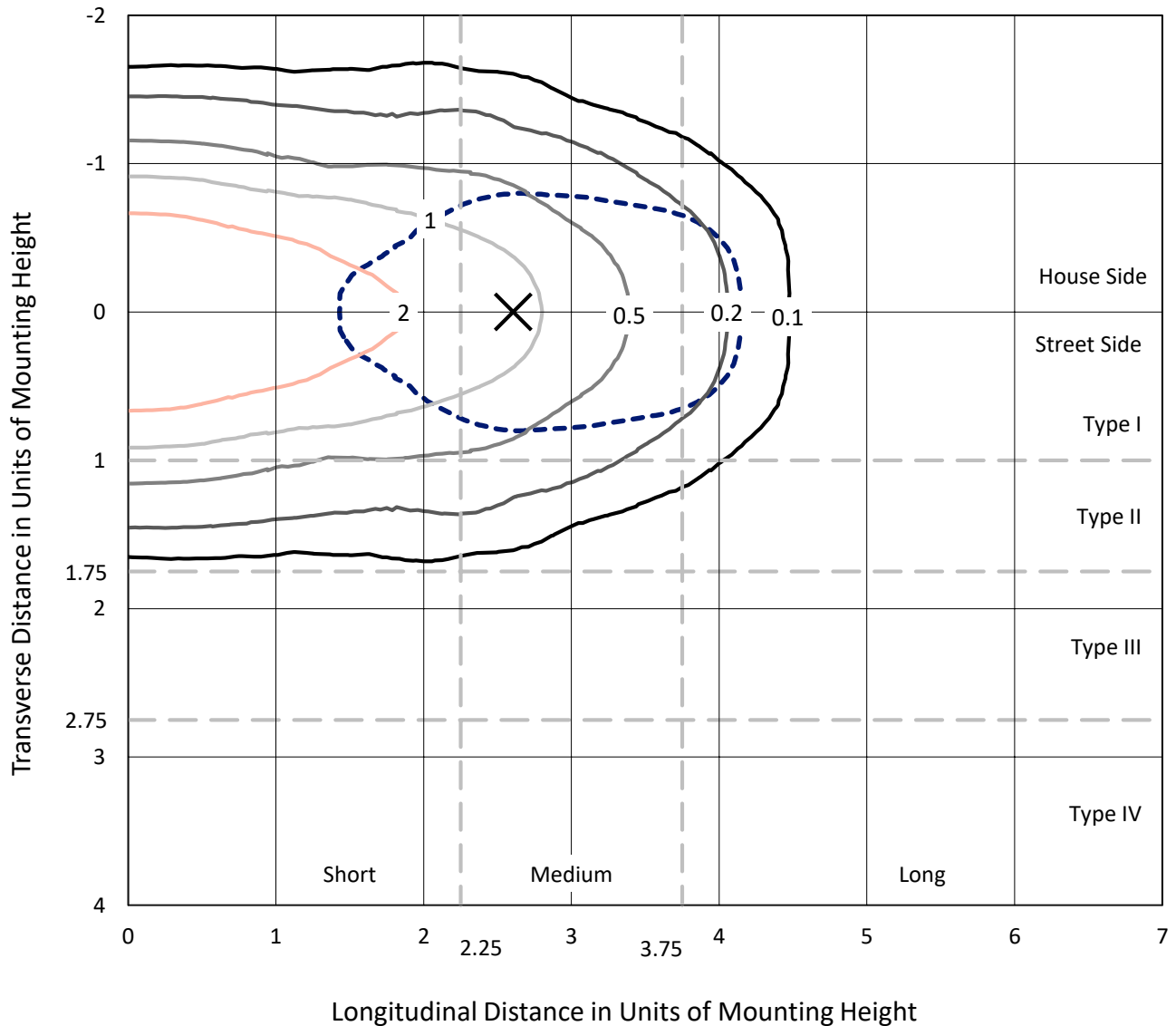
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

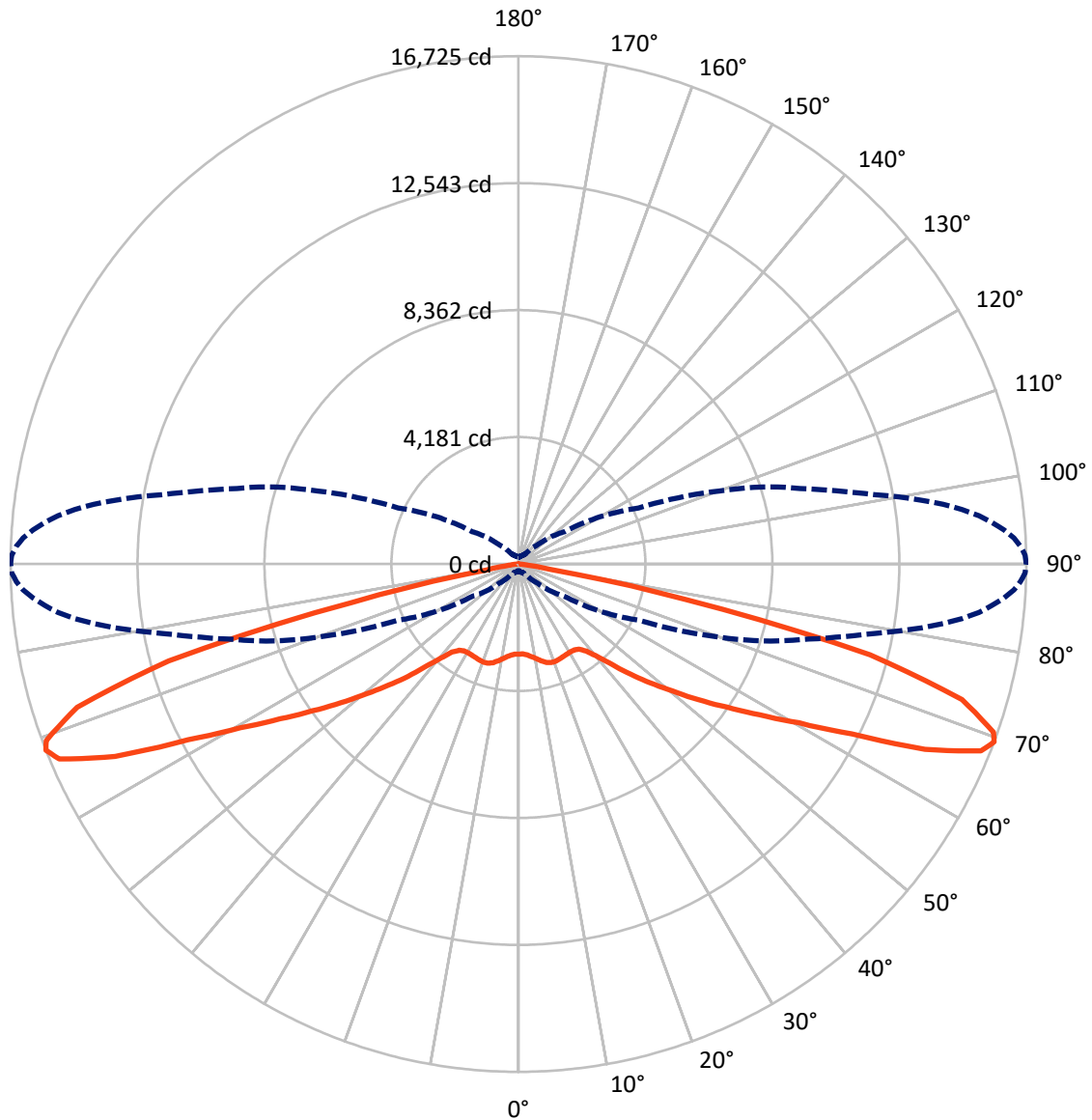
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc  
 Type V - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7909.7   | 0.0    | 7909.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 7909.7   | 0.0    | 7909.7  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 15819.4  | 0.0    | 15819.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 290.7   | 1.8       |
| 10°-20°   | 917.2   | 5.8       |
| 20°-30°   | 1485.9  | 9.4       |
| 30°-40°   | 1851.9  | 11.7      |
| 40°-50°   | 2314.1  | 14.6      |
| 50°-60°   | 2857.4  | 18.1      |
| 60°-70°   | 3550.5  | 22.4      |
| 70°-80°   | 2357.1  | 14.9      |
| 80°-90°   | 194.6   | 1.2       |
| 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°    | 15819.4 | 100.0     |
| 0°-180°   | 15819.4 | 100.0     |



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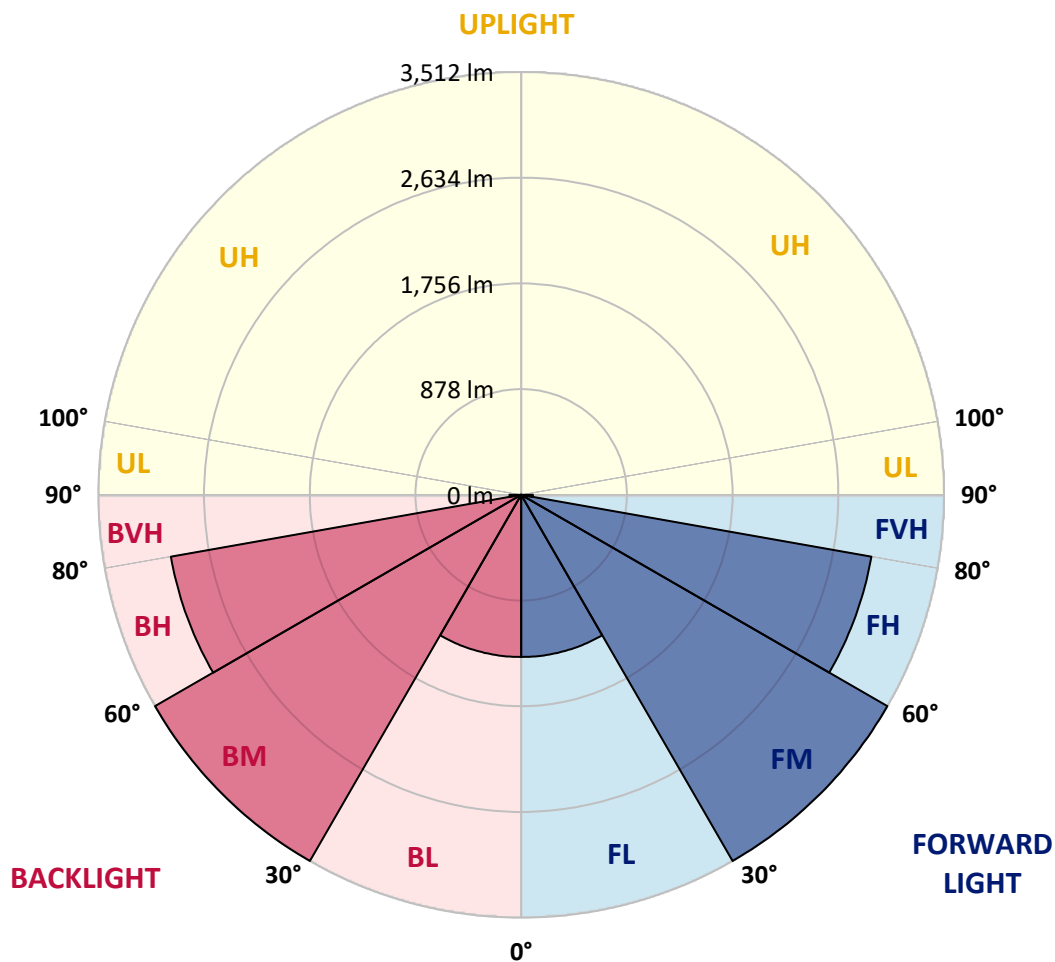
CATALOG NUMBER: AVM-E06-LED-E-U-RW-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1346.9 | 8.5       |                         |      |         |
| FM   | (30°-60°)   | 3511.7 | 22.2      |                         |      |         |
| FH   | (60°-80°)   | 2953.8 | 18.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 97.3   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1346.9 | 8.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3511.7 | 22.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2953.8 | 18.7      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 97.3   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**

Type V Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 67°    | 68°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 |
| 2.5°  | 2977.6 | 2980.1 | 2978.5 | 2981.8 | 2981.0 | 2981.0 | 2979.3 | 2976.0 | 2975.5 | 2975.1 | 2974.7 |
| 5°    | 3006.2 | 3003.0 | 3008.0 | 3013.0 | 3011.4 | 3012.2 | 3011.4 | 3011.4 | 3011.0 | 3010.7 | 3010.3 |
| 7.5°  | 3036.7 | 3035.8 | 3039.2 | 3052.8 | 3054.4 | 3059.5 | 3065.4 | 3069.6 | 3069.8 | 3069.9 | 3070.1 |
| 10°   | 3062.9 | 3063.6 | 3072.2 | 3091.6 | 3101.6 | 3117.7 | 3133.8 | 3146.4 | 3147.3 | 3148.2 | 3149.2 |
| 12.5° | 3084.0 | 3084.8 | 3097.5 | 3127.9 | 3152.4 | 3182.7 | 3217.3 | 3236.7 | 3238.4 | 3240.1 | 3241.8 |
| 15°   | 3085.6 | 3088.1 | 3110.1 | 3159.9 | 3208.8 | 3258.6 | 3300.0 | 3326.2 | 3327.5 | 3328.8 | 3330.2 |
| 17.5° | 3063.7 | 3065.4 | 3102.6 | 3176.0 | 3257.8 | 3335.4 | 3378.5 | 3390.3 | 3390.8 | 3391.3 | 3391.8 |
| 20°   | 3006.3 | 3010.6 | 3062.9 | 3171.7 | 3296.6 | 3397.9 | 3442.6 | 3426.6 | 3425.0 | 3423.4 | 3421.8 |
| 22.5° | 2913.4 | 2912.6 | 2981.0 | 3127.9 | 3304.2 | 3446.8 | 3486.5 | 3444.3 | 3439.3 | 3434.4 | 3429.4 |
| 25°   | 2763.2 | 2773.4 | 2853.6 | 3029.0 | 3261.1 | 3457.8 | 3517.8 | 3453.6 | 3446.4 | 3439.3 | 3432.1 |
| 27.5° | 2600.3 | 2606.2 | 2691.5 | 2879.7 | 3160.8 | 3419.8 | 3533.0 | 3472.2 | 3464.1 | 3456.1 | 3448.1 |
| 30°   | 2410.4 | 2418.0 | 2509.2 | 2705.9 | 2999.6 | 3322.0 | 3528.7 | 3514.4 | 3505.0 | 3495.6 | 3486.3 |
| 32.5° | 2224.8 | 2233.2 | 2315.1 | 2530.2 | 2829.9 | 3187.8 | 3503.4 | 3574.3 | 3564.7 | 3555.1 | 3545.5 |
| 35°   | 2032.4 | 2045.0 | 2144.6 | 2362.4 | 2666.2 | 3038.4 | 3464.6 | 3651.1 | 3645.8 | 3640.5 | 3635.2 |
| 37.5° | 1872.8 | 1875.4 | 1971.6 | 2200.3 | 2514.2 | 2895.8 | 3413.1 | 3748.2 | 3752.1 | 3756.0 | 3759.8 |
| 40°   | 1694.7 | 1710.8 | 1807.0 | 2048.4 | 2376.7 | 2775.0 | 3364.2 | 3879.8 | 3900.0 | 3920.2 | 3940.3 |
| 42.5° | 1535.2 | 1536.9 | 1634.8 | 1883.8 | 2227.3 | 2678.0 | 3337.2 | 4038.5 | 4081.6 | 4124.8 | 4167.9 |
| 45°   | 1367.2 | 1374.0 | 1462.6 | 1703.2 | 2055.2 | 2563.2 | 3336.3 | 4221.6 | 4290.5 | 4359.4 | 4428.2 |
| 47.5° | 1208.6 | 1211.1 | 1304.8 | 1528.4 | 1857.6 | 2402.8 | 3330.4 | 4418.3 | 4512.1 | 4605.8 | 4699.6 |
| 50°   | 1056.6 | 1054.2 | 1146.2 | 1361.4 | 1662.6 | 2192.7 | 3278.9 | 4641.1 | 4759.5 | 4877.9 | 4996.3 |
| 52.5° | 882.8  | 894.6  | 990.0  | 1196.0 | 1485.4 | 1979.2 | 3128.7 | 4885.0 | 5026.7 | 5168.3 | 5309.9 |
| 55°   | 712.3  | 717.4  | 819.5  | 1012.0 | 1305.6 | 1780.0 | 2867.0 | 5109.5 | 5276.4 | 5443.4 | 5610.3 |
| 57.5° | 525.0  | 540.2  | 629.6  | 819.5  | 1123.4 | 1612.0 | 2534.5 | 5226.0 | 5429.1 | 5632.3 | 5835.4 |
| 60°   | 370.5  | 382.4  | 461.6  | 621.2  | 923.3  | 1435.6 | 2248.4 | 5161.0 | 5425.0 | 5689.0 | 5953.0 |
| 62.5° | 288.6  | 297.9  | 361.2  | 465.0  | 719.9  | 1259.2 | 2043.3 | 4950.8 | 5310.1 | 5669.3 | 6028.5 |
| 65°   | 253.2  | 261.6  | 319.0  | 372.2  | 537.6  | 1079.4 | 1931.0 | 4728.8 | 5203.7 | 5678.5 | 6153.4 |
| 67.5° | 228.8  | 238.8  | 288.6  | 325.8  | 438.0  | 941.9  | 1901.5 | 4588.8 | 5126.6 | 5664.4 | 6202.2 |
| 69°   | 217.8  | 227.9  | 272.6  | 303.8  | 406.8  | 893.0  | 1850.8 | 4368.5 | 4903.2 | 5437.8 | 5972.5 |
| 70°   | 211.0  | 219.4  | 260.8  | 292.9  | 396.6  | 859.2  | 1766.5 | 4093.4 | 4618.4 | 5143.5 | 5668.5 |
| 72.5° | 195.8  | 200.0  | 236.4  | 267.5  | 368.0  | 694.6  | 1358.8 | 3040.0 | 3495.2 | 3950.4 | 4405.5 |
| 75°   | 173.0  | 178.1  | 211.8  | 242.2  | 287.0  | 431.2  | 860.0  | 1880.4 | 2220.2 | 2560.0 | 2899.8 |
| 77.5° | 149.4  | 153.6  | 183.2  | 231.2  | 222.8  | 269.2  | 514.0  | 1046.6 | 1243.6 | 1440.7 | 1637.8 |
| 80°   | 119.8  | 124.9  | 151.1  | 229.6  | 184.0  | 209.3  | 369.6  | 731.8  | 784.9  | 838.1  | 891.3  |
| 82.5° | 87.8   | 92.0   | 118.2  | 185.7  | 141.0  | 157.9  | 281.9  | 620.4  | 638.8  | 657.3  | 675.8  |
| 85°   | 44.7   | 45.6   | 75.1   | 113.1  | 89.4   | 81.8   | 158.7  | 424.5  | 436.3  | 448.1  | 460.0  |
| 87.5° | 7.6    | 7.6    | 16.9   | 19.4   | 22.0   | 13.5   | 20.2   | 72.6   | 74.9   | 77.2   | 79.4   |
| 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):**

|       | 69°    | 70°    | 71°    | 72°    | 73°    | 74°    | 75°    | 76°     | 77°     | 78°     | 79°     |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0°    | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1 | 2964.1  | 2964.1  | 2964.1  | 2964.1  |
| 2.5°  | 2974.2 | 2973.8 | 2972.4 | 2972.6 | 2973.7 | 2973.1 | 2974.2 | 2974.4  | 2975.4  | 2972.2  | 2971.5  |
| 5°    | 3010.0 | 3009.7 | 3009.5 | 3009.3 | 3010.0 | 3009.8 | 3010.5 | 3011.9  | 3011.5  | 3009.5  | 3009.2  |
| 7.5°  | 3070.3 | 3070.4 | 3071.3 | 3070.4 | 3072.1 | 3071.3 | 3069.6 | 3072.3  | 3074.1  | 3074.3  | 3076.2  |
| 10°   | 3150.1 | 3151.0 | 3154.0 | 3153.6 | 3156.5 | 3156.1 | 3156.5 | 3159.4  | 3161.4  | 3161.7  | 3163.8  |
| 12.5° | 3243.4 | 3245.1 | 3246.6 | 3248.2 | 3251.4 | 3249.5 | 3253.6 | 3255.2  | 3257.8  | 3262.9  | 3260.3  |
| 15°   | 3331.5 | 3332.9 | 3337.4 | 3337.8 | 3340.6 | 3341.8 | 3345.6 | 3347.1  | 3347.7  | 3351.8  | 3352.5  |
| 17.5° | 3392.3 | 3392.8 | 3394.5 | 3393.7 | 3396.2 | 3395.4 | 3397.9 | 3399.2  | 3401.4  | 3403.6  | 3407.6  |
| 20°   | 3420.2 | 3418.6 | 3417.7 | 3416.7 | 3415.0 | 3412.3 | 3413.1 | 3414.3  | 3414.6  | 3416.7  | 3419.5  |
| 22.5° | 3424.4 | 3419.4 | 3414.3 | 3410.8 | 3405.7 | 3401.4 | 3397.0 | 3397.4  | 3397.7  | 3397.2  | 3399.3  |
| 25°   | 3424.9 | 3417.8 | 3409.7 | 3400.0 | 3392.8 | 3383.1 | 3375.1 | 3374.4  | 3372.1  | 3372.3  | 3373.3  |
| 27.5° | 3440.1 | 3432.1 | 3420.8 | 3409.6 | 3394.2 | 3381.3 | 3368.4 | 3363.8  | 3359.2  | 3356.4  | 3355.2  |
| 30°   | 3476.9 | 3467.5 | 3454.1 | 3439.8 | 3423.1 | 3402.9 | 3384.4 | 3378.7  | 3372.1  | 3366.3  | 3361.4  |
| 32.5° | 3535.8 | 3526.2 | 3511.3 | 3496.5 | 3474.0 | 3454.1 | 3435.9 | 3426.6  | 3417.3  | 3407.2  | 3397.9  |
| 35°   | 3629.8 | 3624.5 | 3611.4 | 3598.4 | 3581.9 | 3566.3 | 3549.8 | 3539.4  | 3523.9  | 3515.9  | 3504.6  |
| 37.5° | 3763.7 | 3767.6 | 3767.6 | 3769.3 | 3764.2 | 3756.6 | 3744.8 | 3733.8  | 3728.8  | 3707.7  | 3694.2  |
| 40°   | 3960.5 | 3980.7 | 3999.2 | 4013.5 | 4026.0 | 4038.6 | 4049.4 | 4043.0  | 4045.1  | 4039.5  | 4031.4  |
| 42.5° | 4211.0 | 4254.1 | 4293.5 | 4333.0 | 4361.4 | 4405.9 | 4436.8 | 4446.6  | 4471.6  | 4481.4  | 4499.6  |
| 45°   | 4497.1 | 4566.0 | 4632.2 | 4693.2 | 4750.2 | 4813.8 | 4875.7 | 4921.8  | 4972.1  | 5029.2  | 5086.2  |
| 47.5° | 4793.4 | 4887.1 | 4984.6 | 5064.4 | 5146.7 | 5240.8 | 5323.0 | 5392.4  | 5482.9  | 5566.6  | 5658.8  |
| 50°   | 5114.7 | 5233.2 | 5344.2 | 5442.5 | 5548.4 | 5656.8 | 5769.6 | 5871.5  | 5993.7  | 6127.7  | 6272.7  |
| 52.5° | 5451.5 | 5593.1 | 5721.6 | 5845.0 | 5969.2 | 6093.5 | 6213.5 | 6357.5  | 6508.2  | 6685.1  | 6866.2  |
| 55°   | 5777.3 | 5944.2 | 6089.9 | 6227.1 | 6369.4 | 6508.3 | 6632.0 | 6824.7  | 7009.7  | 7220.8  | 7457.3  |
| 57.5° | 6038.6 | 6241.7 | 6409.7 | 6572.8 | 6733.2 | 6880.9 | 7033.0 | 7250.2  | 7486.0  | 7732.8  | 8032.8  |
| 60°   | 6217.0 | 6481.0 | 6695.5 | 6891.5 | 7088.3 | 7274.2 | 7449.0 | 7733.0  | 8013.5  | 8320.2  | 8693.6  |
| 62.5° | 6387.7 | 6746.9 | 7026.7 | 7293.9 | 7559.4 | 7797.9 | 8015.4 | 8372.6  | 8739.0  | 9118.1  | 9562.2  |
| 65°   | 6628.2 | 7103.0 | 7515.2 | 7887.7 | 8255.2 | 8605.8 | 8931.1 | 9383.7  | 9846.3  | 10345.3 | 10875.5 |
| 67.5° | 6740.0 | 7277.8 | 7814.5 | 8316.7 | 8783.4 | 9227.4 | 9645.2 | 10192.2 | 10736.8 | 11315.0 | 11955.8 |
| 69°   | 6507.2 | 7041.8 | 7615.6 | 8164.2 | 8679.8 | 9150.6 | 9602.9 | 10161.5 | 10727.6 | 11318.2 | 11964.5 |
| 70°   | 6193.5 | 6718.6 | 7297.8 | 7871.2 | 8364.3 | 8854.9 | 9323.6 | 9877.8  | 10451.3 | 11043.4 | 11720.0 |
| 72.5° | 4860.7 | 5315.9 | 5880.8 | 6437.2 | 6932.0 | 7424.3 | 7879.5 | 8446.6  | 9024.0  | 9646.0  | 10286.6 |
| 75°   | 3239.6 | 3579.4 | 4000.2 | 4516.3 | 4970.1 | 5405.2 | 5846.3 | 6326.0  | 6889.3  | 7401.9  | 7988.0  |
| 77.5° | 1834.8 | 2031.9 | 2276.4 | 2612.1 | 2937.6 | 3198.1 | 3512.7 | 3738.4  | 4065.3  | 4347.6  | 4645.8  |
| 80°   | 944.4  | 997.6  | 1070.5 | 1151.0 | 1196.9 | 1189.7 | 1236.4 | 1190.2  | 1200.5  | 1162.7  | 1122.3  |
| 82.5° | 694.3  | 712.8  | 745.8  | 761.9  | 760.3  | 707.2  | 650.8  | 572.4   | 503.4   | 431.0   | 364.5   |
| 85°   | 471.8  | 483.6  | 491.9  | 504.4  | 500.8  | 477.9  | 427.0  | 359.0   | 292.7   | 234.8   | 187.9   |
| 87.5° | 81.7   | 84.0   | 83.4   | 90.4   | 90.7   | 84.2   | 69.2   | 59.1    | 49.8    | 37.1    | 26.2    |
| 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):**

|       | 80°     | 81°     | 82°     | 83°     | 84°     | 85°     | 86°     | 87°     | 88°     | 89°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  | 2964.1  |
| 2.5°  | 2970.8  | 2970.9  | 2972.6  | 2970.8  | 2970.8  | 2970.8  | 2970.0  | 2971.6  | 2970.8  | 2968.4  | 2965.8  |
| 5°    | 3009.7  | 3007.2  | 3006.3  | 3008.0  | 3009.6  | 3006.3  | 3008.8  | 3011.4  | 3007.1  | 3008.0  | 3006.3  |
| 7.5°  | 3074.7  | 3073.9  | 3073.0  | 3074.6  | 3074.6  | 3073.9  | 3074.6  | 3072.1  | 3070.4  | 3073.0  | 3075.5  |
| 10°   | 3161.6  | 3160.7  | 3162.4  | 3162.4  | 3165.9  | 3164.1  | 3163.3  | 3165.8  | 3164.1  | 3162.4  | 3163.3  |
| 12.5° | 3263.7  | 3261.1  | 3265.4  | 3265.4  | 3267.9  | 3268.0  | 3267.1  | 3268.0  | 3267.1  | 3264.6  | 3262.9  |
| 15°   | 3354.8  | 3351.4  | 3352.4  | 3359.1  | 3358.2  | 3359.9  | 3359.9  | 3358.2  | 3357.4  | 3356.6  | 3357.4  |
| 17.5° | 3409.8  | 3408.0  | 3408.0  | 3411.4  | 3414.0  | 3413.1  | 3413.1  | 3413.1  | 3412.2  | 3413.1  | 3414.8  |
| 20°   | 3419.8  | 3419.8  | 3420.7  | 3424.0  | 3428.3  | 3425.8  | 3425.8  | 3427.4  | 3425.8  | 3427.4  | 3428.3  |
| 22.5° | 3400.4  | 3402.1  | 3403.8  | 3408.0  | 3408.9  | 3408.9  | 3408.9  | 3409.7  | 3411.4  | 3411.4  | 3413.1  |
| 25°   | 3373.4  | 3375.1  | 3377.6  | 3381.0  | 3384.4  | 3384.4  | 3384.4  | 3386.0  | 3386.1  | 3386.9  | 3387.8  |
| 27.5° | 3353.2  | 3354.8  | 3357.4  | 3360.8  | 3365.0  | 3365.0  | 3365.0  | 3366.6  | 3366.7  | 3367.5  | 3369.2  |
| 30°   | 3355.7  | 3352.3  | 3354.9  | 3356.6  | 3359.1  | 3359.0  | 3358.2  | 3359.1  | 3360.0  | 3360.0  | 3360.8  |
| 32.5° | 3392.0  | 3384.4  | 3381.9  | 3381.0  | 3381.9  | 3379.4  | 3378.5  | 3376.8  | 3375.1  | 3375.1  | 3374.3  |
| 35°   | 3488.2  | 3476.4  | 3475.6  | 3468.8  | 3462.1  | 3455.3  | 3456.2  | 3451.1  | 3452.8  | 3448.6  | 3445.2  |
| 37.5° | 3685.7  | 3672.2  | 3680.6  | 3666.3  | 3657.0  | 3650.2  | 3642.7  | 3632.5  | 3626.6  | 3634.2  | 3634.2  |
| 40°   | 4039.4  | 4030.1  | 4027.5  | 4030.0  | 4021.6  | 4025.8  | 4007.2  | 4002.2  | 3991.2  | 3998.8  | 4009.0  |
| 42.5° | 4528.0  | 4522.1  | 4554.2  | 4560.0  | 4563.4  | 4568.5  | 4571.9  | 4544.0  | 4543.2  | 4537.3  | 4520.4  |
| 45°   | 5131.5  | 5166.9  | 5165.2  | 5204.0  | 5205.7  | 5193.9  | 5199.0  | 5186.4  | 5181.2  | 5162.7  | 5185.5  |
| 47.5° | 5751.8  | 5819.3  | 5844.7  | 5853.0  | 5885.2  | 5892.8  | 5862.4  | 5852.2  | 5870.0  | 5839.6  | 5843.8  |
| 50°   | 6417.7  | 6490.3  | 6549.4  | 6589.0  | 6611.8  | 6613.5  | 6590.8  | 6585.6  | 6601.7  | 6544.3  | 6571.3  |
| 52.5° | 7072.6  | 7182.4  | 7293.8  | 7352.8  | 7395.0  | 7398.4  | 7416.2  | 7395.0  | 7403.5  | 7390.0  | 7417.0  |
| 55°   | 7718.3  | 7908.2  | 8039.0  | 8154.6  | 8228.1  | 8291.4  | 8297.3  | 8320.1  | 8321.8  | 8349.6  | 8321.8  |
| 57.5° | 8349.6  | 8556.4  | 8784.2  | 8989.4  | 9103.2  | 9175.0  | 9242.5  | 9334.5  | 9354.8  | 9343.8  | 9361.5  |
| 60°   | 9094.8  | 9414.8  | 9724.4  | 9960.8  | 10157.4 | 10345.6 | 10446.9 | 10591.2 | 10614.0 | 10676.4 | 10622.5 |
| 62.5° | 10036.7 | 10501.0 | 10921.2 | 11239.4 | 11538.2 | 11831.1 | 12052.2 | 12163.6 | 12231.1 | 12362.0 | 12318.9 |
| 65°   | 11481.7 | 12038.7 | 12594.9 | 13050.6 | 13469.2 | 13817.8 | 14153.8 | 14314.0 | 14491.3 | 14677.0 | 14710.8 |
| 67.5° | 12671.6 | 13361.2 | 13988.3 | 14543.6 | 15050.9 | 15438.3 | 15787.7 | 16065.4 | 16281.4 | 16418.2 | 16429.1 |
| 69°   | 12725.6 | 13442.2 | 14123.4 | 14719.2 | 15248.4 | 15660.2 | 16028.2 | 16337.1 | 16547.2 | 16687.4 | 16724.5 |
| 70°   | 12467.4 | 13200.8 | 13926.7 | 14528.4 | 15070.3 | 15491.4 | 15881.4 | 16176.0 | 16410.6 | 16553.2 | 16603.0 |
| 72.5° | 11015.0 | 11798.2 | 12573.8 | 13101.3 | 13654.9 | 14156.2 | 14468.6 | 14769.0 | 15099.8 | 15142.9 | 15279.6 |
| 75°   | 8683.0  | 9341.3  | 9943.0  | 10346.5 | 10809.0 | 11258.8 | 11565.2 | 11644.6 | 11817.6 | 12035.3 | 11957.7 |
| 77.5° | 5031.8  | 5234.4  | 5622.6  | 5722.2  | 5637.8  | 5833.7  | 5898.7  | 5760.2  | 5753.5  | 5881.0  | 5627.7  |
| 80°   | 1114.9  | 1051.6  | 1130.9  | 1071.8  | 1073.6  | 1075.2  | 1057.5  | 1050.8  | 1063.4  | 1050.8  | 1033.0  |
| 82.5° | 308.9   | 298.8   | 300.5   | 297.1   | 303.0   | 298.8   | 296.2   | 303.0   | 302.2   | 301.3   | 307.2   |
| 85°   | 148.6   | 146.8   | 144.3   | 143.4   | 140.2   | 135.9   | 129.2   | 129.1   | 132.5   | 127.4   | 130.0   |
| 87.5° | 19.4    | 18.6    | 18.6    | 21.9    | 19.4    | 16.0    | 16.0    | 16.0    | 15.2    | 15.2    | 15.2    |
| 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)