

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: P368347

Luminaire Tested: **PMM-SA4B-730-U-SLL-HSS**

Issue Date: 12/2/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P368347  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 12/2/2019  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA4B-730-U-SLL-HSS  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS  
EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12907 lumens  
Efficiency: N/A  
Efficacy: 75.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

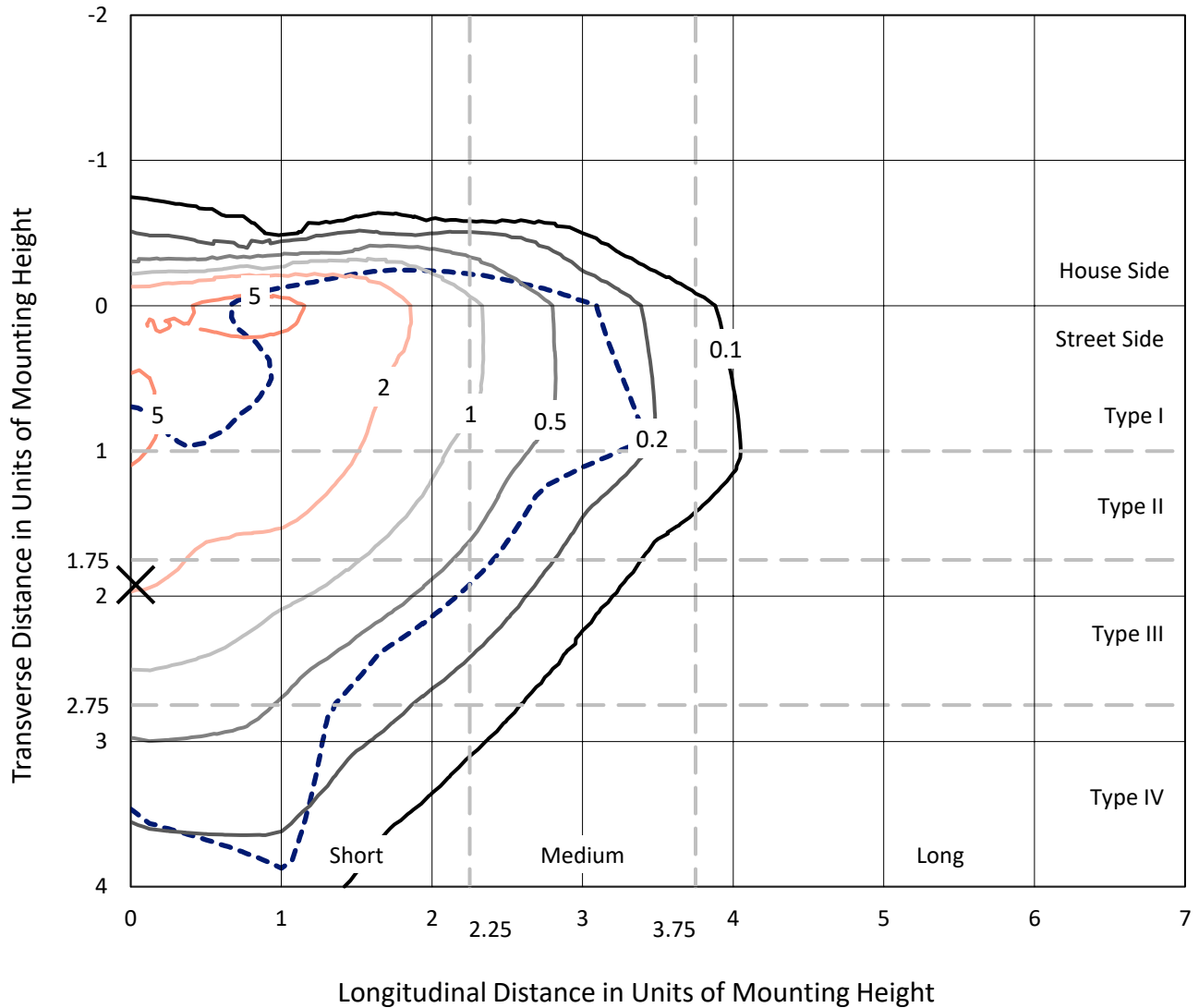
Input Watts (W): 171  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

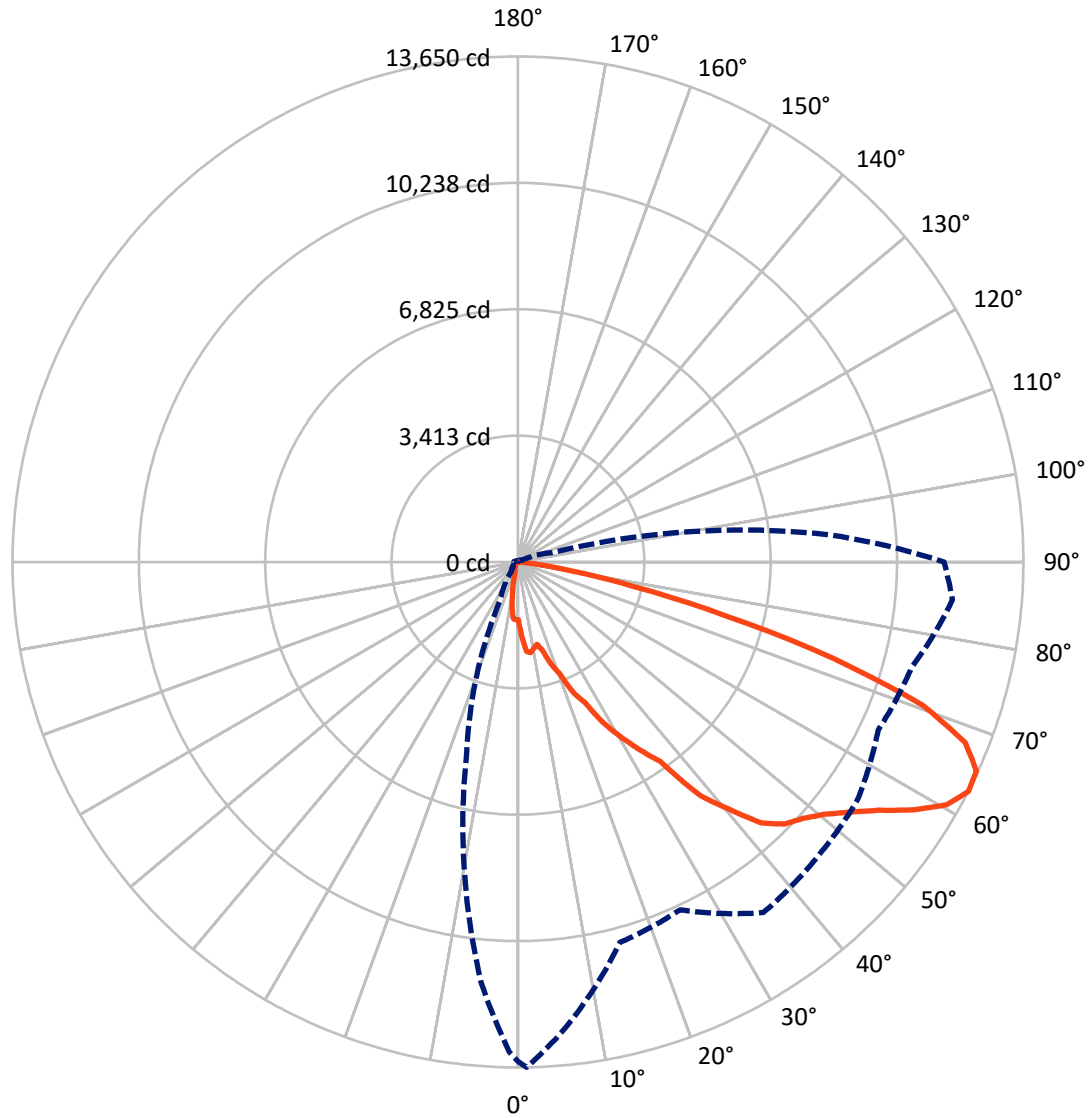
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 1-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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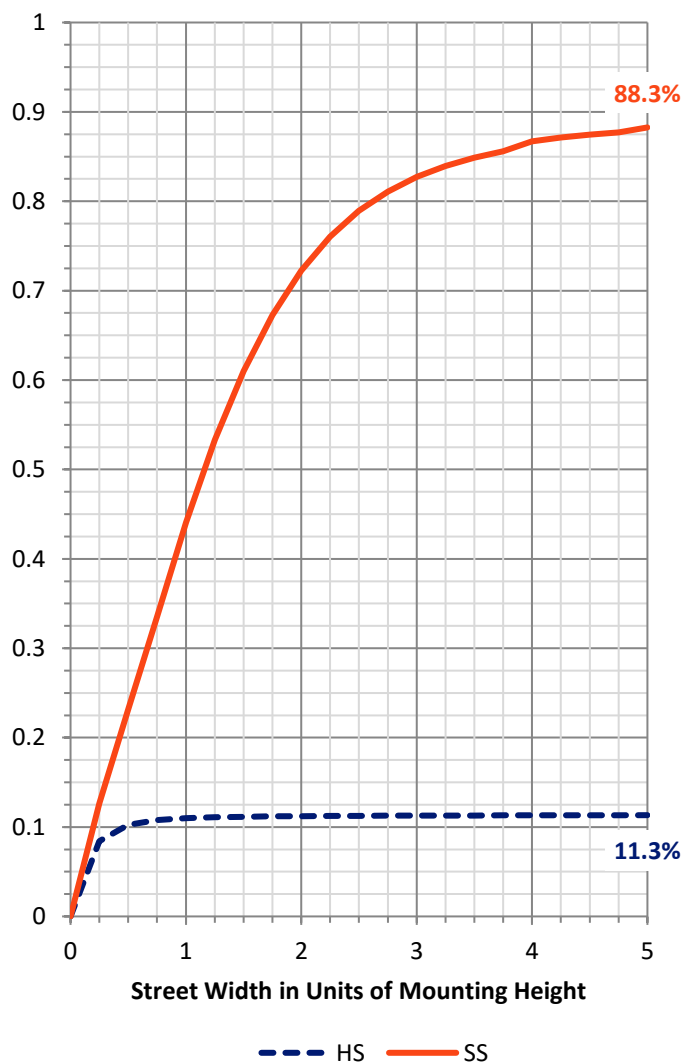
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1476.0   | 0.0    | 1476.0  |
|                    | % Fixture | 11.4     | 0.0    | 11.4    |
| <b>Street Side</b> | Lumens    | 11431.0  | 0.0    | 11431.0 |
|                    | % Fixture | 88.6     | 0.0    | 88.6    |
| <b>Total</b>       | Lumens    | 12907.0  | 0.0    | 12907.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 173.7   | 1.3       |
| 10°-20°   | 453.8   | 3.5       |
| 20°-30°   | 733.5   | 5.7       |
| 30°-40°   | 1228.7  | 9.5       |
| 40°-50°   | 2009.0  | 15.6      |
| 50°-60°   | 2973.9  | 23.0      |
| 60°-70°   | 3414.3  | 26.5      |
| 70°-80°   | 1688.3  | 13.1      |
| 80°-90°   | 231.8   | 1.8       |
| 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°    | 12907.0 | 100.0     |
| 0°-180°   | 12907.0 | 100.0     |

**Coefficient of Utilization**



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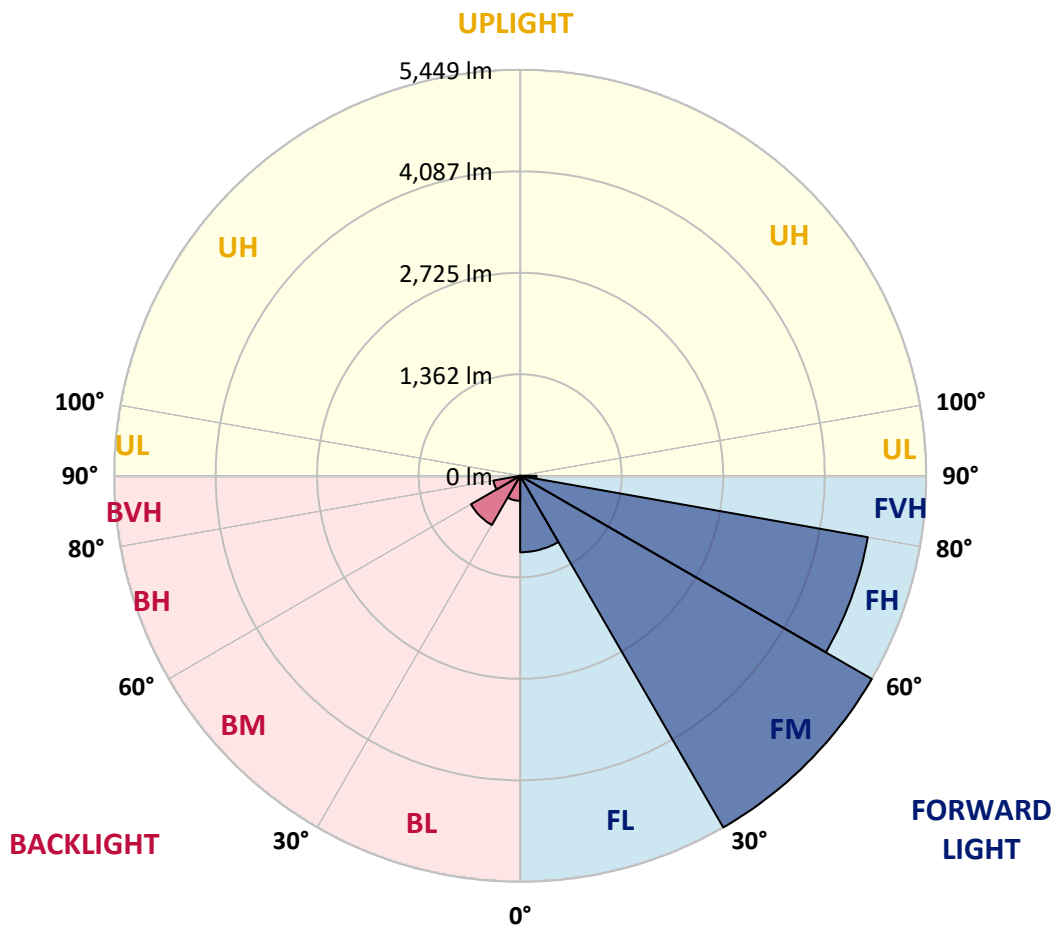
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1025.2 | 7.9       |                         |      |         |
| FM (30°-60°)   | 5449.2 | 42.2      |                         |      |         |
| FH (60°-80°)   | 4737.7 | 36.7      |                         |      | G2/5000 |
| FVH (80°-90°)  | 218.9  | 1.7       |                         |      | G2/225  |
| BL (0°-30°)    | 335.8  | 2.6       | B1/500                  |      |         |
| BM (30°-60°)   | 762.4  | 5.9       | B1/1000                 |      |         |
| BH (60°-80°)   | 364.9  | 2.8       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 12.8   | 0.1       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  | 1554.9  |
| 2.5°  | 2005.0  | 2014.5  | 1969.7  | 1963.8  | 1859.4  | 1989.5  | 1993.2  | 2008.7  | 1913.0  | 1727.7  | 1986.6  |
| 5°    | 2399.2  | 2425.7  | 2391.1  | 2544.8  | 2589.0  | 2683.9  | 2509.5  | 2665.5  | 2599.3  | 2617.7  | 2655.2  |
| 7.5°  | 2446.3  | 2473.5  | 2546.3  | 2803.7  | 3041.3  | 2981.7  | 2962.6  | 3021.4  | 3016.3  | 2880.2  | 2947.9  |
| 10°   | 2348.5  | 2371.3  | 2492.6  | 2961.1  | 3064.8  | 3332.6  | 3398.0  | 3262.7  | 3207.5  | 2909.7  | 2779.5  |
| 12.5° | 2241.8  | 2280.1  | 2434.5  | 2996.4  | 3307.6  | 3578.2  | 3793.7  | 3601.0  | 3417.9  | 3100.9  | 2981.7  |
| 15°   | 2446.3  | 2467.6  | 2710.3  | 3070.0  | 3342.1  | 3528.9  | 3705.5  | 3641.5  | 3613.5  | 3385.5  | 2981.7  |
| 17.5° | 2847.1  | 2897.1  | 3072.9  | 3250.2  | 3465.0  | 3577.5  | 3535.6  | 3515.7  | 3444.4  | 3802.6  | 3384.8  |
| 20°   | 3132.5  | 3225.9  | 3456.1  | 3532.6  | 3362.0  | 3467.2  | 3441.4  | 3423.8  | 3367.9  | 4034.2  | 3848.2  |
| 22.5° | 3750.3  | 3836.4  | 3840.8  | 3868.0  | 3470.8  | 3303.1  | 3260.5  | 3265.6  | 3519.4  | 4103.4  | 4424.8  |
| 25°   | 4171.0  | 4200.5  | 4432.9  | 4238.7  | 3768.0  | 3353.2  | 3190.6  | 3263.4  | 3629.0  | 4600.6  | 4966.9  |
| 27.5° | 4859.5  | 4929.3  | 5074.2  | 4416.7  | 3946.0  | 3321.5  | 3062.6  | 3327.4  | 3917.3  | 4765.3  | 5569.2  |
| 30°   | 5420.7  | 5487.6  | 5720.7  | 4660.2  | 4100.4  | 3478.2  | 3117.8  | 3456.1  | 4096.8  | 5104.4  | 6110.6  |
| 32.5° | 5875.9  | 6048.8  | 6313.6  | 5036.0  | 4094.5  | 3658.4  | 3399.5  | 3413.5  | 4317.4  | 5543.5  | 6646.0  |
| 35°   | 6457.7  | 6618.8  | 6804.9  | 5294.9  | 4362.3  | 3716.5  | 3482.6  | 3832.7  | 4645.4  | 6002.4  | 7366.8  |
| 37.5° | 7769.1  | 8012.6  | 7644.8  | 5947.3  | 4674.1  | 4241.7  | 3810.6  | 4090.9  | 4988.9  | 6471.0  | 8357.5  |
| 40°   | 8569.4  | 8774.6  | 8419.3  | 6280.5  | 5214.0  | 4506.4  | 4396.1  | 4539.5  | 5325.0  | 6712.9  | 9104.1  |
| 42.5° | 9357.8  | 9628.5  | 9034.9  | 6782.1  | 5726.6  | 5253.7  | 4952.1  | 5067.6  | 5811.2  | 7296.9  | 9944.0  |
| 45°   | 9928.6  | 10096.3 | 9168.1  | 7044.7  | 6431.2  | 6105.4  | 5904.6  | 5732.5  | 6489.3  | 7672.0  | 10486.1 |
| 47.5° | 10215.4 | 10349.3 | 9430.6  | 7127.8  | 6850.5  | 7006.4  | 7446.2  | 7086.6  | 7089.5  | 7943.4  | 10778.1 |
| 50°   | 10612.6 | 10706.0 | 9577.7  | 7227.1  | 7305.8  | 8410.5  | 8632.6  | 7866.9  | 7775.0  | 8215.6  | 10825.9 |
| 52.5° | 11170.8 | 11216.4 | 9863.1  | 7488.9  | 7987.6  | 9510.1  | 9590.2  | 9280.6  | 8461.2  | 8721.6  | 10931.8 |
| 55°   | 11913.0 | 11832.8 | 10372.8 | 8039.1  | 8698.8  | 10315.4 | 10422.8 | 10152.9 | 9324.0  | 9226.9  | 11259.8 |
| 57.5° | 12713.2 | 12621.2 | 11128.2 | 8814.3  | 9470.3  | 10931.1 | 10995.0 | 11016.4 | 9896.9  | 9674.1  | 11817.3 |
| 60°   | 13286.9 | 13303.8 | 12079.2 | 9703.5  | 9949.9  | 11520.2 | 11392.2 | 11198.0 | 10475.0 | 10329.4 | 12088.7 |
| 62.5° | 13487.7 | 13650.2 | 12819.8 | 10635.4 | 10363.2 | 11557.0 | 11358.4 | 11194.4 | 10733.9 | 11005.3 | 11777.6 |
| 65°   | 13323.7 | 13607.6 | 12991.9 | 11454.0 | 10613.3 | 11095.8 | 10889.1 | 10784.0 | 10725.9 | 11281.2 | 11089.2 |
| 67.5° | 12672.0 | 13027.2 | 12499.2 | 11461.4 | 9704.2  | 9447.5  | 9691.7  | 10024.9 | 9832.2  | 11052.4 | 10124.9 |
| 70°   | 11212.0 | 11601.1 | 11355.4 | 10789.1 | 8083.9  | 7433.0  | 7702.2  | 8206.0  | 8069.9  | 9830.0  | 8706.2  |
| 72.5° | 8412.0  | 8912.1  | 8960.6  | 9314.4  | 6417.3  | 5594.2  | 5633.2  | 5619.2  | 5853.9  | 7926.5  | 6793.8  |
| 75°   | 5403.7  | 5792.8  | 6318.7  | 7516.1  | 4874.9  | 4084.3  | 3710.6  | 3619.4  | 4057.0  | 6193.7  | 4863.9  |
| 77.5° | 3136.9  | 3183.3  | 3426.0  | 5670.7  | 3491.4  | 2942.8  | 2688.3  | 2818.5  | 2971.4  | 4322.6  | 3223.7  |
| 80°   | 1500.4  | 1524.0  | 1624.0  | 2917.7  | 2425.7  | 2547.0  | 2350.7  | 2497.0  | 2040.3  | 2484.5  | 1829.2  |
| 82.5° | 475.9   | 481.0   | 497.9   | 1433.5  | 1506.3  | 1687.2  | 1081.2  | 1449.7  | 1261.4  | 1501.9  | 1218.0  |
| 85°   | 79.4    | 135.3   | 167.0   | 414.1   | 850.2   | 569.3   | 234.6   | 517.1   | 703.9   | 947.3   | 553.1   |
| 87.5° | 0.0     | 0.0     | 0.0     | 7.4     | 69.1    | 32.4    | 5.1     | 29.4    | 108.1   | 211.1   | 25.0    |
| 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°    | 1554.9  | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 |
| 2.5°  | 2061.6  | 2112.4 | 1921.1 | 1749.8 | 1793.2 | 1758.6 | 1706.4 | 1617.4 | 1411.4 | 1562.9 | 1552.6 |
| 5°    | 2653.0  | 2558.8 | 2299.9 | 2179.3 | 2032.2 | 1807.9 | 1780.7 | 1608.5 | 1532.8 | 1545.3 | 1534.3 |
| 7.5°  | 2858.9  | 2690.5 | 2461.7 | 2098.4 | 1753.4 | 1429.8 | 1330.5 | 1218.0 | 1195.2 | 1243.7 | 1275.4 |
| 10°   | 2697.1  | 2518.4 | 2318.3 | 1866.7 | 1601.2 | 1367.3 | 1122.4 | 965.0  | 879.7  | 869.4  | 878.2  |
| 12.5° | 2771.4  | 2578.7 | 2166.8 | 1821.1 | 1543.8 | 1332.0 | 1058.4 | 820.8  | 635.5  | 649.4  | 612.7  |
| 15°   | 2822.9  | 2601.5 | 2130.8 | 1725.5 | 1425.4 | 1142.2 | 812.7  | 575.2  | 423.7  | 379.5  | 353.0  |
| 17.5° | 3125.2  | 2808.9 | 2085.2 | 1615.2 | 1259.9 | 889.2  | 510.4  | 333.2  | 283.9  | 268.5  | 256.0  |
| 20°   | 3513.5  | 3064.1 | 2084.4 | 1499.0 | 1015.7 | 556.0  | 318.5  | 241.2  | 229.5  | 238.3  | 228.7  |
| 22.5° | 3965.1  | 3403.9 | 2195.5 | 1354.1 | 728.9  | 350.8  | 247.9  | 214.0  | 202.3  | 209.6  | 210.4  |
| 25°   | 4419.6  | 3913.6 | 2285.9 | 1216.5 | 507.5  | 269.2  | 220.7  | 197.1  | 183.9  | 190.5  | 186.8  |
| 27.5° | 5240.5  | 4335.8 | 2265.4 | 1040.7 | 373.6  | 236.8  | 205.2  | 184.6  | 164.8  | 175.0  | 174.3  |
| 30°   | 5777.4  | 5080.9 | 2345.5 | 794.3  | 296.4  | 207.4  | 191.2  | 168.4  | 147.1  | 158.9  | 158.1  |
| 32.5° | 6419.5  | 5400.8 | 2432.3 | 609.7  | 246.4  | 196.4  | 172.1  | 150.0  | 137.5  | 144.9  | 143.4  |
| 35°   | 7141.0  | 6033.3 | 2272.7 | 507.5  | 214.0  | 177.3  | 152.2  | 135.3  | 124.3  | 128.0  | 128.0  |
| 37.5° | 8415.6  | 6562.2 | 2177.1 | 413.4  | 199.3  | 160.3  | 142.7  | 122.1  | 115.5  | 115.5  | 119.2  |
| 40°   | 9139.4  | 7369.7 | 1891.7 | 327.3  | 203.7  | 147.8  | 133.1  | 111.8  | 103.0  | 102.2  | 105.9  |
| 42.5° | 10080.8 | 7835.3 | 1713.0 | 264.8  | 184.6  | 144.2  | 122.1  | 101.5  | 91.2   | 90.5   | 94.1   |
| 45°   | 10639.1 | 8095.7 | 1461.4 | 208.1  | 165.5  | 167.7  | 113.3  | 93.4   | 78.0   | 75.0   | 81.6   |
| 47.5° | 10991.4 | 8440.6 | 1318.8 | 165.5  | 144.2  | 167.0  | 110.3  | 80.9   | 65.5   | 61.8   | 67.7   |
| 50°   | 11170.1 | 8611.3 | 1290.8 | 142.0  | 125.0  | 149.3  | 126.5  | 67.7   | 55.9   | 50.7   | 55.9   |
| 52.5° | 11356.2 | 8888.6 | 1301.1 | 130.9  | 110.3  | 119.9  | 119.9  | 58.1   | 49.3   | 43.4   | 47.1   |
| 55°   | 11732.0 | 9298.2 | 1278.3 | 124.3  | 101.5  | 91.2   | 77.2   | 51.5   | 44.9   | 38.2   | 41.9   |
| 57.5° | 12193.9 | 9592.4 | 1278.3 | 118.4  | 94.1   | 78.0   | 61.8   | 47.8   | 41.2   | 33.1   | 36.0   |
| 60°   | 12106.4 | 9282.8 | 1215.1 | 112.5  | 88.3   | 72.8   | 55.9   | 44.1   | 38.2   | 30.2   | 32.4   |
| 62.5° | 11505.5 | 8440.6 | 984.1  | 103.7  | 83.1   | 69.1   | 50.7   | 41.9   | 36.0   | 26.5   | 28.7   |
| 65°   | 10799.4 | 7546.3 | 684.0  | 94.1   | 77.2   | 62.5   | 45.6   | 39.7   | 33.1   | 23.5   | 25.0   |
| 67.5° | 9949.2  | 6480.5 | 379.5  | 84.6   | 71.3   | 54.4   | 41.9   | 39.0   | 31.6   | 21.3   | 22.8   |
| 70°   | 8473.7  | 4892.6 | 203.7  | 77.2   | 66.9   | 50.0   | 39.7   | 39.0   | 31.6   | 20.6   | 21.3   |
| 72.5° | 6361.4  | 3081.0 | 119.2  | 70.6   | 61.0   | 46.3   | 37.5   | 39.7   | 30.9   | 19.9   | 19.9   |
| 75°   | 4328.4  | 1870.4 | 85.3   | 60.3   | 54.4   | 39.0   | 36.0   | 38.2   | 31.6   | 19.9   | 18.4   |
| 77.5° | 2942.8  | 1314.3 | 69.9   | 54.4   | 49.3   | 34.6   | 36.8   | 38.2   | 31.6   | 16.2   | 12.5   |
| 80°   | 1837.3  | 678.1  | 53.0   | 43.4   | 42.7   | 30.2   | 36.8   | 33.1   | 20.6   | 3.7    | 0.0    |
| 82.5° | 1284.9  | 252.3  | 30.9   | 33.1   | 33.1   | 21.3   | 28.7   | 23.5   | 11.8   | 0.0    | 0.0    |
| 85°   | 539.1   | 43.4   | 16.9   | 23.5   | 20.6   | 12.5   | 22.8   | 17.7   | 7.4    | 0.0    | 0.0    |
| 87.5° | 9.6     | 0.0    | 6.6    | 14.0   | 14.7   | 7.4    | 11.8   | 7.4    | 0.0    | 0.0    | 0.0    |
| 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):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 |
| 2.5°  | 1601.2 | 1531.3 | 1384.2 | 1454.8 | 1447.5 | 1479.8 | 1482.8 | 1407.8 | 1569.6 | 1669.6 | 1684.3 |
| 5°    | 1535.7 | 1488.7 | 1480.6 | 1440.1 | 1429.8 | 1489.4 | 1457.0 | 1454.8 | 1532.8 | 1646.8 | 1647.5 |
| 7.5°  | 1276.1 | 1240.1 | 1257.0 | 1209.9 | 1088.5 | 1095.9 | 1106.9 | 1153.3 | 1220.2 | 1295.2 | 1322.4 |
| 10°   | 876.0  | 969.4  | 901.0  | 895.1  | 882.6  | 843.6  | 812.7  | 837.0  | 923.8  | 992.9  | 1018.7 |
| 12.5° | 625.2  | 639.9  | 681.8  | 666.4  | 687.7  | 654.6  | 642.1  | 717.9  | 802.4  | 873.0  | 923.8  |
| 15°   | 365.5  | 390.6  | 415.6  | 468.5  | 489.8  | 483.2  | 521.5  | 584.7  | 653.1  | 685.5  | 748.0  |
| 17.5° | 257.4  | 259.6  | 264.8  | 322.2  | 359.7  | 374.4  | 397.2  | 445.0  | 472.9  | 487.6  | 513.4  |
| 20°   | 225.1  | 218.4  | 209.6  | 242.0  | 277.3  | 295.7  | 289.1  | 326.6  | 349.4  | 364.1  | 382.5  |
| 22.5° | 203.7  | 192.7  | 187.6  | 198.6  | 225.8  | 242.0  | 244.9  | 267.0  | 301.6  | 311.9  | 317.7  |
| 25°   | 183.9  | 176.5  | 172.8  | 178.7  | 193.4  | 208.9  | 211.8  | 240.5  | 271.4  | 275.8  | 287.6  |
| 27.5° | 170.6  | 156.7  | 158.1  | 162.5  | 169.2  | 188.3  | 194.2  | 210.4  | 255.2  | 260.4  | 264.0  |
| 30°   | 156.7  | 142.0  | 146.4  | 150.8  | 147.8  | 171.4  | 180.2  | 198.6  | 242.0  | 250.1  | 254.5  |
| 32.5° | 142.7  | 131.7  | 130.9  | 135.3  | 140.5  | 153.0  | 172.1  | 193.4  | 233.2  | 244.2  | 255.2  |
| 35°   | 127.2  | 118.4  | 119.9  | 120.6  | 127.2  | 143.4  | 157.4  | 168.4  | 195.6  | 201.5  | 205.2  |
| 37.5° | 116.2  | 108.9  | 107.4  | 114.7  | 121.4  | 133.9  | 139.0  | 144.2  | 180.2  | 193.4  | 194.2  |
| 40°   | 103.0  | 98.6   | 98.6   | 103.7  | 118.4  | 116.9  | 123.6  | 139.7  | 174.3  | 188.3  | 189.8  |
| 42.5° | 93.4   | 87.5   | 89.0   | 94.1   | 104.4  | 97.1   | 110.3  | 133.9  | 172.1  | 186.1  | 185.3  |
| 45°   | 78.7   | 77.2   | 80.2   | 84.6   | 89.0   | 82.4   | 103.0  | 128.0  | 164.8  | 183.1  | 178.0  |
| 47.5° | 65.5   | 65.5   | 69.1   | 73.6   | 71.3   | 73.6   | 93.4   | 119.9  | 160.3  | 177.3  | 173.6  |
| 50°   | 53.7   | 54.4   | 58.1   | 65.5   | 58.8   | 64.7   | 83.8   | 111.8  | 153.0  | 171.4  | 168.4  |
| 52.5° | 45.6   | 46.3   | 48.5   | 53.7   | 50.7   | 58.8   | 77.2   | 103.7  | 145.6  | 161.1  | 159.6  |
| 55°   | 39.7   | 41.2   | 41.2   | 44.1   | 45.6   | 55.2   | 69.9   | 95.6   | 134.6  | 151.5  | 148.6  |
| 57.5° | 35.3   | 36.8   | 36.0   | 38.2   | 39.7   | 48.5   | 62.5   | 86.8   | 123.6  | 137.5  | 133.1  |
| 60°   | 31.6   | 33.1   | 32.4   | 35.3   | 34.6   | 41.9   | 54.4   | 77.2   | 111.8  | 122.8  | 119.2  |
| 62.5° | 27.9   | 29.4   | 29.4   | 30.9   | 31.6   | 35.3   | 47.1   | 68.4   | 100.0  | 108.9  | 105.9  |
| 65°   | 25.0   | 26.5   | 27.2   | 26.5   | 27.9   | 30.2   | 39.7   | 61.8   | 86.8   | 95.6   | 91.2   |
| 67.5° | 22.8   | 24.3   | 25.7   | 22.8   | 24.3   | 25.0   | 33.8   | 55.2   | 76.5   | 83.8   | 80.2   |
| 70°   | 22.1   | 22.8   | 22.8   | 19.9   | 19.1   | 19.9   | 29.4   | 47.1   | 66.9   | 74.3   | 69.1   |
| 72.5° | 20.6   | 21.3   | 20.6   | 16.2   | 14.0   | 15.4   | 25.0   | 39.7   | 56.6   | 62.5   | 58.1   |
| 75°   | 19.1   | 19.9   | 19.1   | 13.2   | 8.8    | 11.0   | 20.6   | 34.6   | 48.5   | 51.5   | 49.3   |
| 77.5° | 16.2   | 17.7   | 17.7   | 9.6    | 2.9    | 6.6    | 15.4   | 27.9   | 40.5   | 40.5   | 41.2   |
| 80°   | 1.5    | 4.4    | 7.4    | 5.1    | 0.0    | 0.7    | 5.1    | 14.7   | 25.7   | 25.0   | 27.2   |
| 82.5° | 0.0    | 0.0    | 0.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 8.8    | 6.6    | 7.4    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9 | 1554.9  | 1554.9  | 1554.9  |
| 2.5°  | 1649.7 | 1626.9 | 1655.6 | 1743.1 | 1707.8 | 1714.5 | 1690.9 | 1835.8  | 1999.8  | 2005.0  |
| 5°    | 1649.0 | 1628.4 | 1671.1 | 1667.4 | 1768.2 | 1877.7 | 1983.7 | 2155.0  | 2397.7  | 2399.2  |
| 7.5°  | 1309.9 | 1432.0 | 1463.7 | 1454.1 | 1583.5 | 1734.3 | 1897.6 | 2225.6  | 2425.0  | 2446.3  |
| 10°   | 1181.2 | 1234.2 | 1298.9 | 1322.4 | 1376.1 | 1519.6 | 1704.2 | 2075.6  | 2299.2  | 2348.5  |
| 12.5° | 1023.8 | 1193.0 | 1279.0 | 1446.0 | 1476.9 | 1497.5 | 1788.7 | 2111.6  | 2247.7  | 2241.8  |
| 15°   | 848.0  | 995.1  | 1131.2 | 1334.9 | 1418.8 | 1635.0 | 1864.5 | 2287.4  | 2368.3  | 2446.3  |
| 17.5° | 600.2  | 711.2  | 920.1  | 1134.1 | 1390.1 | 1625.5 | 2073.4 | 2601.5  | 2754.5  | 2847.1  |
| 20°   | 401.6  | 455.3  | 644.3  | 927.5  | 1251.8 | 1485.7 | 2158.7 | 2885.4  | 3052.3  | 3132.5  |
| 22.5° | 325.8  | 351.6  | 449.4  | 679.6  | 1069.4 | 1479.1 | 2193.3 | 3195.0  | 3643.7  | 3750.3  |
| 25°   | 286.8  | 304.5  | 356.7  | 503.1  | 887.8  | 1449.7 | 2384.5 | 3543.7  | 4085.0  | 4171.0  |
| 27.5° | 250.8  | 277.3  | 316.3  | 414.8  | 761.2  | 1429.1 | 2481.6 | 4129.1  | 4774.9  | 4859.5  |
| 30°   | 239.8  | 272.1  | 309.6  | 378.0  | 673.0  | 1349.6 | 2636.0 | 4657.2  | 5269.9  | 5420.7  |
| 32.5° | 258.9  | 269.9  | 288.3  | 346.4  | 604.6  | 1265.8 | 2907.4 | 5288.3  | 5679.6  | 5875.9  |
| 35°   | 205.2  | 225.1  | 257.4  | 317.7  | 575.9  | 1261.4 | 3061.2 | 5694.3  | 6336.4  | 6457.7  |
| 37.5° | 200.8  | 219.2  | 261.1  | 309.6  | 610.5  | 1295.2 | 3289.2 | 6526.1  | 7520.5  | 7769.1  |
| 40°   | 194.9  | 218.4  | 258.2  | 306.0  | 610.5  | 1328.3 | 3434.8 | 7191.8  | 8317.1  | 8569.4  |
| 42.5° | 192.7  | 222.9  | 257.4  | 321.4  | 591.3  | 1346.7 | 3654.7 | 7855.9  | 9158.5  | 9357.8  |
| 45°   | 191.2  | 227.3  | 259.6  | 339.8  | 586.9  | 1407.0 | 3779.0 | 8178.8  | 9699.8  | 9928.6  |
| 47.5° | 187.6  | 227.3  | 289.8  | 328.8  | 562.7  | 1401.1 | 3940.1 | 8657.6  | 10022.7 | 10215.4 |
| 50°   | 184.6  | 228.7  | 328.0  | 308.2  | 566.3  | 1365.1 | 4158.5 | 9107.0  | 10475.0 | 10612.6 |
| 52.5° | 178.0  | 233.9  | 322.2  | 279.5  | 555.3  | 1361.4 | 4484.4 | 9746.2  | 11070.1 | 11170.8 |
| 55°   | 163.3  | 227.3  | 291.3  | 244.2  | 516.3  | 1319.5 | 4916.1 | 10577.3 | 11895.3 | 11913.0 |
| 57.5° | 150.0  | 211.1  | 243.5  | 224.3  | 432.5  | 1324.6 | 5288.3 | 11342.2 | 12630.8 | 12713.2 |
| 60°   | 136.8  | 219.2  | 189.0  | 208.9  | 358.2  | 1230.5 | 5468.5 | 11634.9 | 13166.3 | 13286.9 |
| 62.5° | 124.3  | 202.3  | 161.1  | 192.0  | 319.2  | 1143.0 | 5343.4 | 11399.6 | 13234.7 | 13487.7 |
| 65°   | 110.3  | 140.5  | 136.1  | 172.1  | 322.9  | 1020.1 | 4925.7 | 10710.4 | 12975.0 | 13323.7 |
| 67.5° | 94.9   | 110.3  | 119.9  | 148.6  | 345.7  | 915.0  | 4209.3 | 9604.2  | 12277.0 | 12672.0 |
| 70°   | 83.1   | 99.3   | 104.4  | 130.2  | 359.7  | 845.8  | 3321.5 | 8069.2  | 10847.2 | 11212.0 |
| 72.5° | 69.1   | 91.9   | 93.4   | 114.0  | 346.4  | 777.4  | 2366.9 | 5792.8  | 8236.9  | 8412.0  |
| 75°   | 59.6   | 76.5   | 84.6   | 95.6   | 291.3  | 580.3  | 1304.0 | 3585.6  | 5208.1  | 5403.7  |
| 77.5° | 53.7   | 58.1   | 64.0   | 66.2   | 123.6  | 302.3  | 448.7  | 2210.9  | 2916.3  | 3136.9  |
| 80°   | 41.2   | 45.6   | 44.1   | 45.6   | 67.7   | 104.4  | 170.6  | 1036.3  | 1377.6  | 1500.4  |
| 82.5° | 13.2   | 22.1   | 24.3   | 20.6   | 44.1   | 51.5   | 49.3   | 358.2   | 447.9   | 475.9   |
| 85°   | 2.9    | 8.1    | 3.7    | 0.0    | 14.7   | 26.5   | 3.7    | 54.4    | 107.4   | 79.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     |

(END OF REPORT)