

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: P690999

Luminaire Tested: **CRTK2-C01-D-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P690999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C01-D-U-T5R-7050-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7752 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type V - Short  
BUG Rating: B3 - U4 - G2

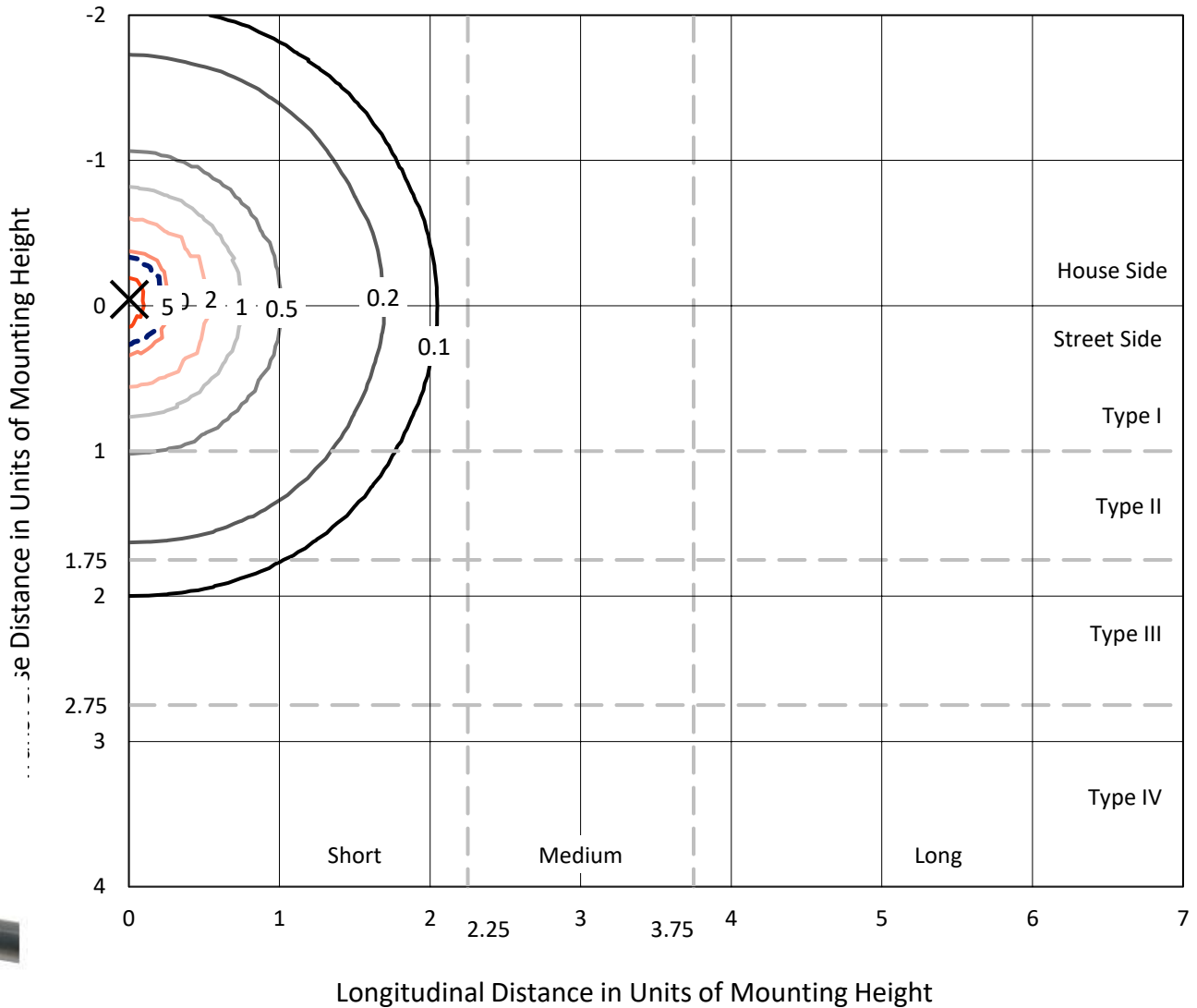
Input Watts (W): 61  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

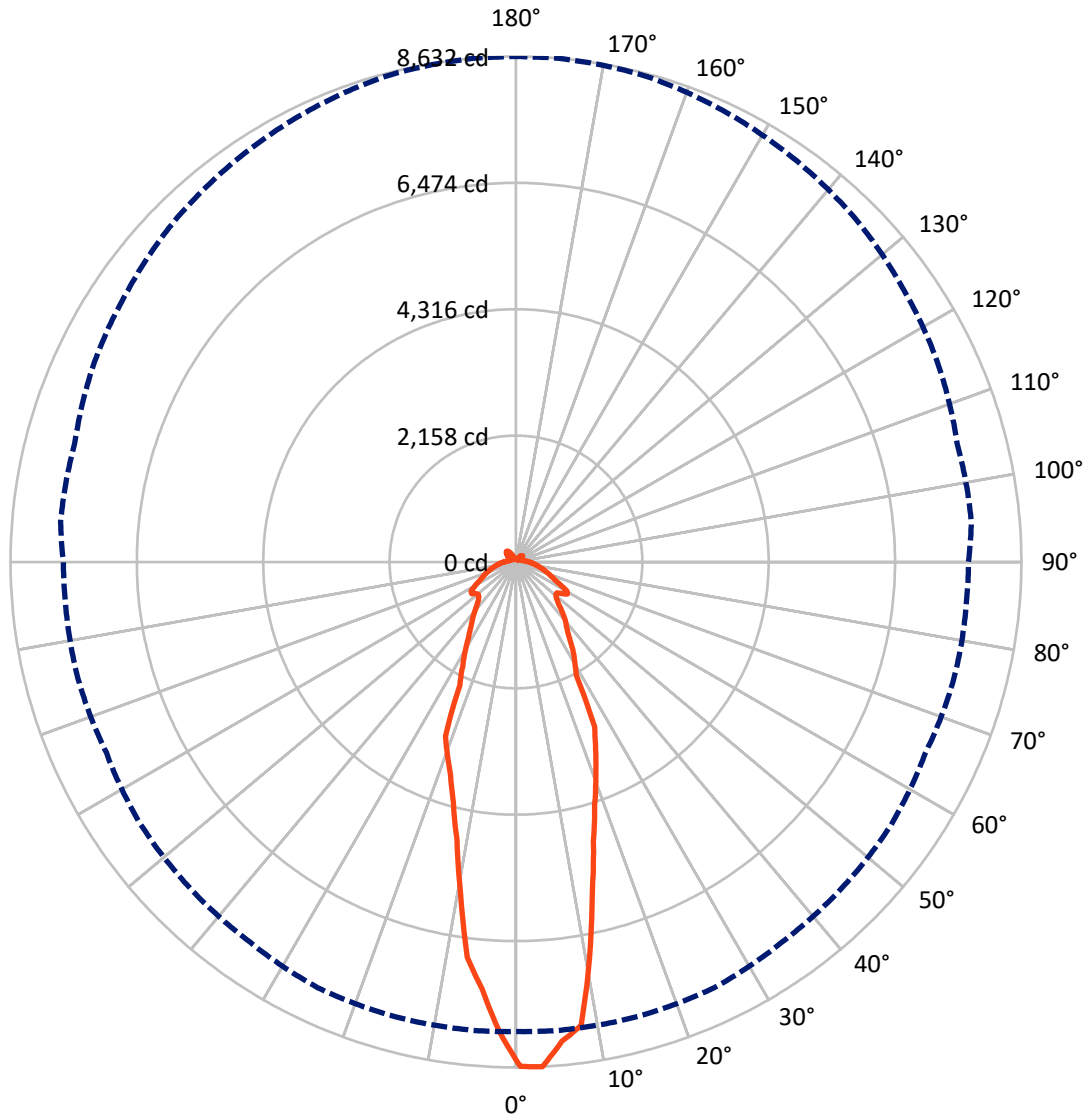
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral    - - - Horizontal Cone Through 2.5-Deg Vertical

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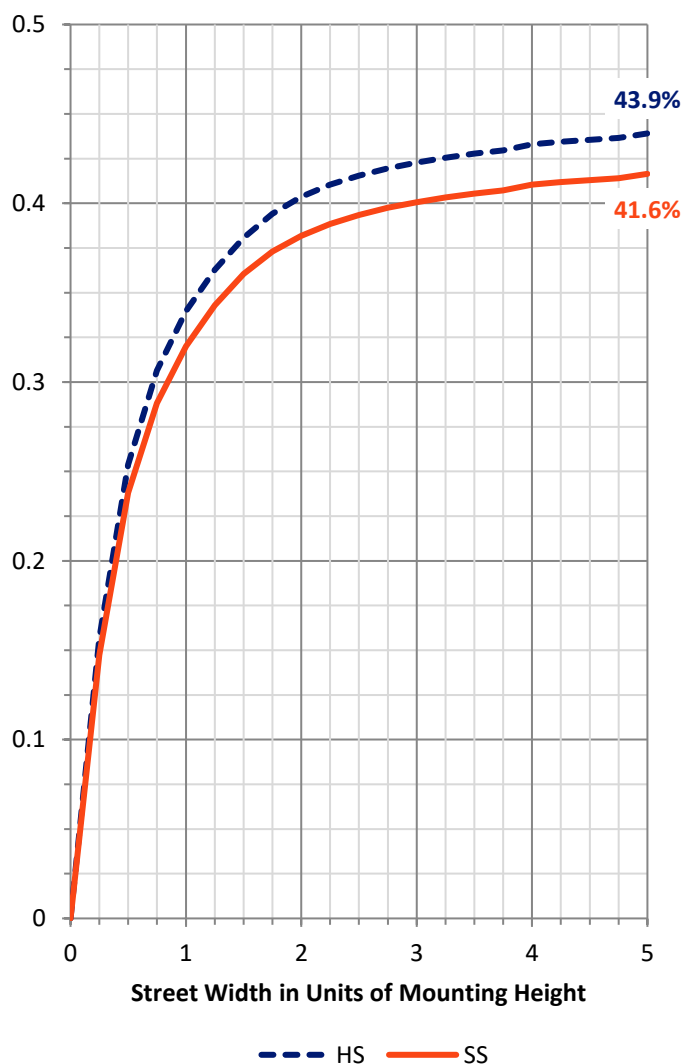
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3508.4   | 463.5  | 3971.9 |
|                    | % Fixture | 45.3     | 6.0    | 51.2   |
| <b>Street Side</b> | Lumens    | 3304.4   | 475.7  | 3780.1 |
|                    | % Fixture | 42.6     | 6.1    | 48.8   |
| <b>Total</b>       | Lumens    | 6812.8   | 939.2  | 7752.0 |
|                    | % Fixture | 87.9     | 12.1   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 641.4  | 8.3       |
| 10°-20°   | 1125.7 | 14.5      |
| 20°-30°   | 1116.2 | 14.4      |
| 30°-40°   | 860.5  | 11.1      |
| 40°-50°   | 737.7  | 9.5       |
| 50°-60°   | 825.0  | 10.6      |
| 60°-70°   | 706.9  | 9.1       |
| 70°-80°   | 486.4  | 6.3       |
| 80°-90°   | 313.1  | 4.0       |
| 90°-100°  | 187.6  | 2.4       |
| 100°-110° | 111.6  | 1.4       |
| 110°-120° | 103.3  | 1.3       |
| 120°-130° | 147.4  | 1.9       |
| 130°-140° | 190.5  | 2.5       |
| 140°-150° | 141.0  | 1.8       |
| 150°-160° | 51.6   | 0.7       |
| 160°-170° | 6.0    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6812.8 | 87.9      |
| 0°-180°   | 7752.0 | 100.0     |

**Coefficient of Utilization**



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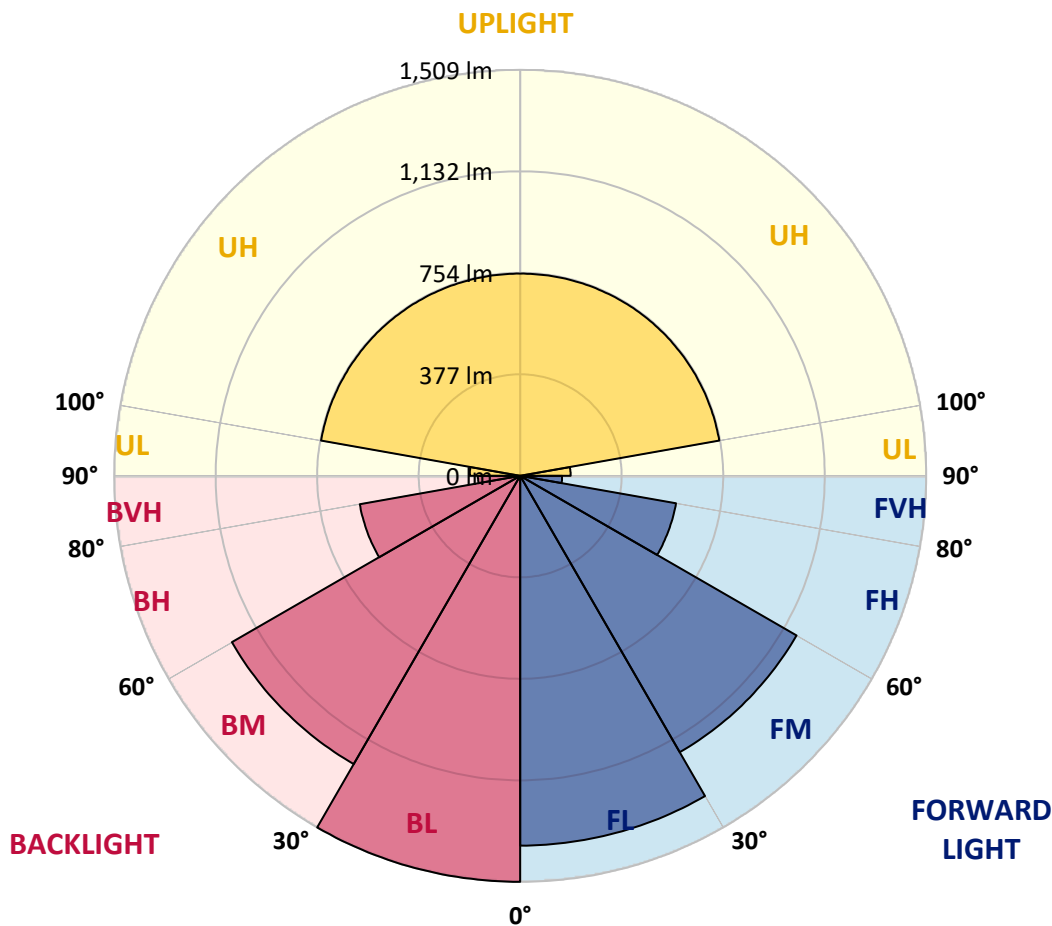
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7050-RMARROA5

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |         |        |
|----------------|--------|-----------|-------------------------|---------|--------|
|                |        |           | B                       | U       | G      |
| FL (0°-30°)    | 1374.3 | 17.7      |                         |         |        |
| FM (30°-60°)   | 1186.0 | 15.3      |                         |         |        |
| FH (60°-80°)   | 588.0  | 7.6       |                         |         | G0/660 |
| FVH (80°-90°)  | 156.1  | 2.0       |                         |         | G2/225 |
| BL (0°-30°)    | 1509.0 | 19.5      | B3/2500                 |         |        |
| BM (30°-60°)   | 1237.2 | 16.0      | B2/2500                 |         |        |
| BH (60°-80°)   | 605.3  | 7.8       | B2/1000                 |         | G0/660 |
| BVH (80°-90°)  | 157.0  | 2.0       |                         |         | G2/225 |
| UL (90°-100°)  | 187.6  | 2.4       |                         | U3/500  |        |
| UH (100°-180°) | 751.5  | 9.7       |                         | U4/1000 |        |

**BUG Rating: B3-U4-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 |
| 2.5°   | 8019.9 | 8031.5 | 8034.5 | 8019.9 | 7923.6 | 7874.1 | 7821.6 | 7716.6 | 7739.9 | 7725.3 | 7728.2 |
| 5°     | 7273.3 | 7320.0 | 7247.0 | 7226.6 | 7080.8 | 6972.9 | 6867.9 | 6754.2 | 6727.9 | 6681.3 | 6698.8 |
| 7.5°   | 6777.5 | 6803.8 | 6684.2 | 6561.7 | 6328.4 | 6162.2 | 5987.2 | 5812.2 | 5681.0 | 5631.4 | 5651.8 |
| 10°    | 5643.1 | 5730.6 | 5611.0 | 5485.6 | 5264.0 | 5065.6 | 4881.9 | 4709.9 | 4590.3 | 4552.4 | 4558.2 |
| 12.5°  | 4797.3 | 4846.9 | 4744.8 | 4660.3 | 4412.4 | 4222.8 | 4053.7 | 3893.3 | 3797.0 | 3756.2 | 3756.2 |
| 15°    | 4237.4 | 4257.8 | 4179.1 | 4015.8 | 3829.1 | 3657.1 | 3514.2 | 3397.5 | 3318.8 | 3304.2 | 3310.0 |
| 17.5°  | 3814.5 | 3814.5 | 3735.8 | 3607.5 | 3464.6 | 3312.9 | 3213.8 | 3126.3 | 3091.3 | 3103.0 | 3105.9 |
| 20°    | 3496.7 | 3499.6 | 3429.6 | 3304.2 | 3181.7 | 3044.6 | 2963.0 | 2901.7 | 2881.3 | 2901.7 | 2904.7 |
| 22.5°  | 3196.3 | 3210.9 | 3135.0 | 3041.7 | 2907.6 | 2799.7 | 2732.6 | 2665.5 | 2653.8 | 2662.6 | 2662.6 |
| 25°    | 2312.6 | 2312.6 | 2286.4 | 2213.5 | 2242.6 | 2254.3 | 2333.1 | 2502.2 | 2467.2 | 2499.3 | 2496.4 |
| 27.5°  | 1994.8 | 2006.4 | 1953.9 | 1889.8 | 1822.7 | 1744.0 | 1729.4 | 1714.8 | 1700.2 | 1767.3 | 1790.6 |
| 30°    | 1761.5 | 1767.3 | 1723.5 | 1679.8 | 1624.4 | 1580.6 | 1569.0 | 1569.0 | 1554.4 | 1606.9 | 1604.0 |
| 32.5°  | 1539.8 | 1531.1 | 1519.4 | 1478.6 | 1443.6 | 1405.7 | 1414.4 | 1408.6 | 1408.6 | 1455.2 | 1458.2 |
| 35°    | 1364.8 | 1361.9 | 1353.2 | 1324.0 | 1289.0 | 1259.8 | 1268.6 | 1274.4 | 1271.5 | 1300.7 | 1300.7 |
| 37.5°  | 1236.5 | 1239.4 | 1233.6 | 1221.9 | 1186.9 | 1163.6 | 1169.4 | 1163.6 | 1172.4 | 1192.8 | 1192.8 |
| 40°    | 1111.1 | 1111.1 | 1114.0 | 1111.1 | 1087.8 | 1079.0 | 1096.5 | 1087.8 | 1108.2 | 1122.8 | 1116.9 |
| 42.5°  | 991.5  | 994.5  | 1000.3 | 994.5  | 979.9  | 971.1  | 979.9  | 982.8  | 1012.0 | 1032.4 | 1029.5 |
| 45°    | 915.7  | 915.7  | 918.6  | 915.7  | 904.1  | 895.3  | 895.3  | 886.6  | 907.0  | 918.6  | 915.7  |
| 47.5°  | 866.1  | 866.1  | 872.0  | 869.1  | 863.2  | 854.5  | 848.6  | 837.0  | 845.7  | 854.5  | 845.7  |
| 50°    | 848.6  | 848.6  | 860.3  | 860.3  | 857.4  | 848.6  | 839.9  | 825.3  | 828.2  | 834.1  | 822.4  |
| 52.5°  | 874.9  | 874.9  | 895.3  | 904.1  | 904.1  | 889.5  | 877.8  | 857.4  | 857.4  | 863.2  | 845.7  |
| 55°    | 930.3  | 930.3  | 962.4  | 979.9  | 982.8  | 982.8  | 968.2  | 947.8  | 950.7  | 962.4  | 944.9  |
| 57.5°  | 909.9  | 912.8  | 939.1  | 962.4  | 977.0  | 985.7  | 985.7  | 974.0  | 982.8  | 1012.0 | 1003.2 |
| 60°    | 813.7  | 819.5  | 837.0  | 857.4  | 883.6  | 892.4  | 892.4  | 889.5  | 904.1  | 939.1  | 939.1  |
| 62.5°  | 723.2  | 726.2  | 734.9  | 752.4  | 767.0  | 772.8  | 772.8  | 761.2  | 778.7  | 796.2  | 790.3  |
| 65°    | 653.3  | 650.3  | 667.8  | 682.4  | 691.2  | 699.9  | 691.2  | 679.5  | 688.3  | 699.9  | 697.0  |
| 67.5°  | 594.9  | 594.9  | 609.5  | 621.2  | 627.0  | 635.8  | 629.9  | 624.1  | 635.8  | 641.6  | 635.8  |
| 70°    | 539.5  | 542.4  | 554.1  | 562.8  | 568.7  | 577.4  | 568.7  | 565.8  | 577.4  | 583.3  | 580.3  |
| 72.5°  | 484.1  | 487.0  | 495.8  | 507.4  | 513.3  | 516.2  | 513.3  | 510.4  | 519.1  | 524.9  | 524.9  |
| 75°    | 434.5  | 437.4  | 443.3  | 454.9  | 454.9  | 460.8  | 457.9  | 454.9  | 463.7  | 469.5  | 469.5  |
| 77.5°  | 387.9  | 393.7  | 396.6  | 405.4  | 408.3  | 411.2  | 408.3  | 408.3  | 414.1  | 419.9  | 422.9  |
| 80°    | 347.0  | 350.0  | 352.9  | 361.6  | 361.6  | 364.5  | 361.6  | 361.6  | 367.5  | 376.2  | 376.2  |
| 82.5°  | 309.1  | 312.0  | 315.0  | 320.8  | 317.9  | 320.8  | 320.8  | 320.8  | 326.6  | 335.4  | 335.4  |
| 85°    | 271.2  | 277.1  | 277.1  | 282.9  | 282.9  | 282.9  | 282.9  | 285.8  | 288.7  | 297.5  | 297.5  |
| 87.5°  | 239.1  | 242.1  | 245.0  | 247.9  | 247.9  | 250.8  | 250.8  | 253.7  | 256.6  | 262.5  | 265.4  |
| 90°    | 207.1  | 210.0  | 212.9  | 212.9  | 212.9  | 215.8  | 215.8  | 218.7  | 221.6  | 227.5  | 230.4  |
| 92.5°  | 183.7  | 186.6  | 186.6  | 189.6  | 189.6  | 189.6  | 192.5  | 195.4  | 198.3  | 204.1  | 204.1  |
| 95°    | 163.3  | 166.2  | 166.2  | 166.2  | 166.2  | 169.1  | 169.1  | 172.1  | 175.0  | 180.8  | 180.8  |
| 97.5°  | 145.8  | 145.8  | 145.8  | 145.8  | 145.8  | 148.7  | 148.7  | 151.6  | 154.6  | 157.5  | 157.5  |
| 100°   | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  | 131.2  | 131.2  | 137.1  | 137.1  |
| 102.5° | 113.7  | 113.7  | 110.8  | 110.8  | 110.8  | 107.9  | 107.9  | 110.8  | 110.8  | 113.7  | 113.7  |
| 105°   | 102.1  | 102.1  | 102.1  | 102.1  | 99.2   | 99.2   | 99.2   | 99.2   | 99.2   | 102.1  | 102.1  |
| 107.5° | 99.2   | 99.2   | 96.2   | 96.2   | 96.2   | 93.3   | 93.3   | 93.3   | 93.3   | 96.2   | 96.2   |
| 110°   | 96.2   | 96.2   | 96.2   | 96.2   | 93.3   | 93.3   | 90.4   | 90.4   | 90.4   | 93.3   | 93.3   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 99.2  | 99.2  | 99.2  | 96.2  | 96.2  | 93.3  | 93.3  | 93.3  | 93.3  | 93.3  | 96.2  |
| 115°   | 105.0 | 102.1 | 102.1 | 102.1 | 102.1 | 99.2  | 96.2  | 96.2  | 99.2  | 99.2  | 99.2  |
| 117.5° | 113.7 | 110.8 | 110.8 | 113.7 | 110.8 | 107.9 | 105.0 | 105.0 | 107.9 | 107.9 | 110.8 |
| 120°   | 125.4 | 122.5 | 125.4 | 125.4 | 125.4 | 122.5 | 119.6 | 116.7 | 119.6 | 122.5 | 122.5 |
| 122.5° | 140.0 | 137.1 | 140.0 | 142.9 | 142.9 | 140.0 | 134.2 | 134.2 | 137.1 | 140.0 | 142.9 |
| 125°   | 157.5 | 157.5 | 160.4 | 163.3 | 166.2 | 160.4 | 157.5 | 154.6 | 160.4 | 163.3 | 163.3 |
| 127.5° | 177.9 | 175.0 | 180.8 | 189.6 | 192.5 | 186.6 | 180.8 | 177.9 | 183.7 | 189.6 | 189.6 |
| 130°   | 198.3 | 195.4 | 204.1 | 212.9 | 218.7 | 212.9 | 207.1 | 204.1 | 210.0 | 215.8 | 215.8 |
| 132.5° | 215.8 | 212.9 | 224.6 | 236.2 | 242.1 | 239.1 | 233.3 | 227.5 | 236.2 | 242.1 | 239.1 |
| 135°   | 230.4 | 230.4 | 245.0 | 256.6 | 262.5 | 259.6 | 253.7 | 247.9 | 259.6 | 265.4 | 259.6 |
| 137.5° | 239.1 | 239.1 | 256.6 | 268.3 | 274.1 | 274.1 | 271.2 | 265.4 | 277.1 | 280.0 | 271.2 |
| 140°   | 239.1 | 242.1 | 256.6 | 268.3 | 271.2 | 274.1 | 274.1 | 271.2 | 282.9 | 282.9 | 274.1 |
| 142.5° | 230.4 | 233.3 | 247.9 | 259.6 | 262.5 | 265.4 | 268.3 | 265.4 | 274.1 | 274.1 | 268.3 |
| 145°   | 215.8 | 218.7 | 233.3 | 245.0 | 245.0 | 247.9 | 253.7 | 250.8 | 256.6 | 259.6 | 253.7 |
| 147.5° | 195.4 | 198.3 | 210.0 | 215.8 | 218.7 | 224.6 | 230.4 | 230.4 | 233.3 | 236.2 | 233.3 |
| 150°   | 169.1 | 169.1 | 177.9 | 183.7 | 186.6 | 192.5 | 198.3 | 201.2 | 201.2 | 204.1 | 201.2 |
| 152.5° | 134.2 | 134.2 | 140.0 | 145.8 | 148.7 | 157.5 | 160.4 | 163.3 | 166.2 | 169.1 | 166.2 |
| 155°   | 102.1 | 102.1 | 105.0 | 107.9 | 110.8 | 119.6 | 122.5 | 125.4 | 128.3 | 131.2 | 128.3 |
| 157.5° | 72.9  | 72.9  | 75.8  | 78.7  | 81.7  | 87.5  | 90.4  | 93.3  | 93.3  | 96.2  | 96.2  |
| 160°   | 46.7  | 49.6  | 49.6  | 52.5  | 52.5  | 58.3  | 61.2  | 61.2  | 64.2  | 67.1  | 67.1  |
| 162.5° | 23.3  | 26.2  | 26.2  | 29.2  | 32.1  | 35.0  | 37.9  | 37.9  | 40.8  | 40.8  | 40.8  |
| 165°   | 5.8   | 8.7   | 8.7   | 11.7  | 11.7  | 14.6  | 17.5  | 17.5  | 20.4  | 20.4  | 20.4  |
| 167.5° | 0.0   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 2.9   | 5.8   | 5.8   | 5.8   | 5.8   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 2.9   | 0.0   | 0.0   | 2.9   | 2.9   | 2.9   | 2.9   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 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):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 178°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 | 8614.8 |
| 2.5°   | 7807.0 | 7801.1 | 7961.5 | 8089.9 | 8241.5 | 8361.1 | 8477.7 | 8588.6 | 8632.3 | 8629.4 | 8632.3 |
| 5°     | 6777.5 | 6879.6 | 7089.6 | 7296.6 | 7541.6 | 7772.0 | 7987.8 | 8130.7 | 8221.1 | 8221.1 | 8229.8 |
| 7.5°   | 5745.1 | 5908.5 | 6168.0 | 6497.6 | 6865.0 | 7165.4 | 7529.9 | 7786.6 | 7990.7 | 7984.9 | 8022.8 |
| 10°    | 4639.9 | 4768.2 | 5027.7 | 5380.6 | 5786.0 | 6133.0 | 6450.9 | 6690.0 | 6888.3 | 6876.7 | 6926.3 |
| 12.5°  | 3811.6 | 3902.0 | 4126.6 | 4447.4 | 4817.8 | 5153.1 | 5465.2 | 5651.8 | 5791.8 | 5788.9 | 5815.1 |
| 15°    | 3324.6 | 3417.9 | 3563.7 | 3785.4 | 4091.6 | 4389.1 | 4701.1 | 4870.2 | 4949.0 | 4940.2 | 4984.0 |
| 17.5°  | 3126.3 | 3164.2 | 3254.6 | 3403.3 | 3625.0 | 3867.0 | 4114.9 | 4260.7 | 4351.1 | 4339.5 | 4371.6 |
| 20°    | 2913.4 | 2948.4 | 3009.6 | 3120.5 | 3277.9 | 3461.7 | 3671.6 | 3832.0 | 3899.1 | 3896.2 | 3916.6 |
| 22.5°  | 2668.4 | 2685.9 | 2753.0 | 2840.5 | 2954.2 | 3103.0 | 3263.4 | 3409.2 | 3476.2 | 3473.3 | 3493.7 |
| 25°    | 2499.3 | 2528.4 | 2569.3 | 2621.8 | 2700.5 | 2817.2 | 2951.3 | 3053.4 | 3114.6 | 3108.8 | 3135.0 |
| 27.5°  | 1825.6 | 1854.8 | 1875.2 | 1907.3 | 1910.2 | 2006.4 | 2053.1 | 2137.7 | 2193.1 | 2190.2 | 2207.7 |
| 30°    | 1604.0 | 1609.8 | 1627.3 | 1671.0 | 1697.3 | 1773.1 | 1866.4 | 1930.6 | 1977.3 | 1994.8 | 2006.4 |
| 32.5°  | 1464.0 | 1481.5 | 1501.9 | 1522.3 | 1554.4 | 1601.1 | 1674.0 | 1732.3 | 1781.9 | 1790.6 | 1811.0 |
| 35°    | 1303.6 | 1315.3 | 1329.8 | 1350.3 | 1370.7 | 1408.6 | 1464.0 | 1510.7 | 1548.6 | 1563.1 | 1574.8 |
| 37.5°  | 1189.9 | 1192.8 | 1207.4 | 1230.7 | 1248.2 | 1280.3 | 1329.8 | 1364.8 | 1402.7 | 1405.7 | 1417.3 |
| 40°    | 1114.0 | 1116.9 | 1131.5 | 1151.9 | 1172.4 | 1192.8 | 1236.5 | 1268.6 | 1294.8 | 1297.8 | 1306.5 |
| 42.5°  | 1026.5 | 1035.3 | 1041.1 | 1049.9 | 1064.5 | 1082.0 | 1119.9 | 1137.4 | 1154.9 | 1157.8 | 1169.4 |
| 45°    | 907.0  | 909.9  | 915.7  | 924.5  | 942.0  | 959.5  | 985.7  | 1006.1 | 1017.8 | 1017.8 | 1014.9 |
| 47.5°  | 839.9  | 842.8  | 842.8  | 854.5  | 869.1  | 886.6  | 909.9  | 927.4  | 933.2  | 933.2  | 933.2  |
| 50°    | 816.6  | 816.6  | 810.7  | 819.5  | 834.1  | 845.7  | 869.1  | 883.6  | 886.6  | 889.5  | 892.4  |
| 52.5°  | 834.1  | 828.2  | 810.7  | 819.5  | 834.1  | 845.7  | 869.1  | 874.9  | 874.9  | 880.7  | 883.6  |
| 55°    | 930.3  | 921.6  | 886.6  | 892.4  | 909.9  | 924.5  | 942.0  | 944.9  | 950.7  | 959.5  | 956.6  |
| 57.5°  | 991.5  | 997.4  | 956.6  | 965.3  | 997.4  | 1009.0 | 1029.5 | 1026.5 | 1038.2 | 1049.9 | 1052.8 |
| 60°    | 933.2  | 950.7  | 918.6  | 930.3  | 968.2  | 974.0  | 994.5  | 982.8  | 1000.3 | 1000.3 | 1000.3 |
| 62.5°  | 793.2  | 799.1  | 781.6  | 799.1  | 834.1  | 834.1  | 848.6  | 839.9  | 845.7  | 839.9  | 842.8  |
| 65°    | 694.1  | 691.2  | 670.8  | 694.1  | 705.7  | 711.6  | 723.2  | 726.2  | 726.2  | 720.3  | 720.3  |
| 67.5°  | 632.8  | 627.0  | 609.5  | 615.3  | 627.0  | 629.9  | 647.4  | 650.3  | 647.4  | 647.4  | 650.3  |
| 70°    | 577.4  | 568.7  | 551.2  | 554.1  | 562.8  | 565.8  | 580.3  | 586.2  | 583.3  | 580.3  | 583.3  |
| 72.5°  | 522.0  | 513.3  | 495.8  | 495.8  | 504.5  | 510.4  | 522.0  | 527.9  | 522.0  | 522.0  | 524.9  |
| 75°    | 469.5  | 460.8  | 443.3  | 443.3  | 449.1  | 452.0  | 466.6  | 469.5  | 466.6  | 463.7  | 466.6  |
| 77.5°  | 422.9  | 417.0  | 399.5  | 399.5  | 402.5  | 405.4  | 414.1  | 417.0  | 414.1  | 411.2  | 414.1  |
| 80°    | 379.1  | 370.4  | 358.7  | 355.8  | 358.7  | 358.7  | 367.5  | 370.4  | 364.5  | 364.5  | 367.5  |
| 82.5°  | 338.3  | 329.5  | 317.9  | 317.9  | 315.0  | 317.9  | 323.7  | 326.6  | 323.7  | 320.8  | 323.7  |
| 85°    | 300.4  | 294.5  | 282.9  | 280.0  | 280.0  | 280.0  | 285.8  | 285.8  | 282.9  | 282.9  | 282.9  |
| 87.5°  | 265.4  | 259.6  | 247.9  | 247.9  | 245.0  | 247.9  | 250.8  | 250.8  | 247.9  | 247.9  | 247.9  |
| 90°    | 230.4  | 224.6  | 215.8  | 215.8  | 212.9  | 215.8  | 218.7  | 218.7  | 215.8  | 215.8  | 215.8  |
| 92.5°  | 204.1  | 201.2  | 192.5  | 192.5  | 189.6  | 192.5  | 192.5  | 192.5  | 189.6  | 189.6  | 189.6  |
| 95°    | 180.8  | 177.9  | 172.1  | 169.1  | 169.1  | 169.1  | 169.1  | 169.1  | 166.2  | 166.2  | 166.2  |
| 97.5°  | 157.5  | 154.6  | 148.7  | 148.7  | 145.8  | 148.7  | 148.7  | 148.7  | 145.8  | 145.8  | 145.8  |
| 100°   | 137.1  | 134.2  | 131.2  | 131.2  | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  | 128.3  |
| 102.5° | 113.7  | 113.7  | 110.8  | 110.8  | 110.8  | 110.8  | 110.8  | 110.8  | 110.8  | 110.8  | 110.8  |
| 105°   | 102.1  | 102.1  | 102.1  | 102.1  | 105.0  | 105.0  | 105.0  | 102.1  | 102.1  | 102.1  | 102.1  |
| 107.5° | 96.2   | 96.2   | 96.2   | 99.2   | 99.2   | 99.2   | 102.1  | 96.2   | 93.3   | 93.3   | 93.3   |
| 110°   | 93.3   | 93.3   | 96.2   | 96.2   | 99.2   | 99.2   | 102.1  | 90.4   | 87.5   | 87.5   | 87.5   |



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**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 178°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 96.2  | 96.2  | 96.2  | 99.2  | 102.1 | 102.1 | 105.0 | 90.4  | 87.5  | 87.5  | 87.5  |
| 115°   | 102.1 | 102.1 | 102.1 | 105.0 | 107.9 | 110.8 | 110.8 | 96.2  | 90.4  | 90.4  | 93.3  |
| 117.5° | 110.8 | 110.8 | 110.8 | 113.7 | 119.6 | 119.6 | 119.6 | 102.1 | 99.2  | 99.2  | 99.2  |
| 120°   | 122.5 | 125.4 | 125.4 | 128.3 | 134.2 | 137.1 | 131.2 | 116.7 | 99.2  | 107.9 | 107.9 |
| 122.5° | 140.0 | 142.9 | 145.8 | 148.7 | 157.5 | 157.5 | 148.7 | 134.2 | 107.9 | 119.6 | 122.5 |
| 125°   | 163.3 | 166.2 | 169.1 | 175.0 | 183.7 | 183.7 | 172.1 | 151.6 | 122.5 | 134.2 | 137.1 |
| 127.5° | 186.6 | 192.5 | 195.4 | 204.1 | 215.8 | 215.8 | 201.2 | 175.0 | 137.1 | 145.8 | 148.7 |
| 130°   | 212.9 | 218.7 | 224.6 | 236.2 | 250.8 | 245.0 | 233.3 | 198.3 | 148.7 | 154.6 | 154.6 |
| 132.5° | 236.2 | 245.0 | 247.9 | 265.4 | 280.0 | 274.1 | 259.6 | 212.9 | 154.6 | 154.6 | 151.6 |
| 135°   | 253.7 | 259.6 | 262.5 | 280.0 | 294.5 | 285.8 | 268.3 | 218.7 | 151.6 | 145.8 | 145.8 |
| 137.5° | 265.4 | 271.2 | 274.1 | 285.8 | 297.5 | 282.9 | 259.6 | 207.1 | 145.8 | 142.9 | 140.0 |
| 140°   | 271.2 | 271.2 | 271.2 | 280.0 | 285.8 | 268.3 | 239.1 | 186.6 | 131.2 | 137.1 | 137.1 |
| 142.5° | 265.4 | 262.5 | 259.6 | 265.4 | 268.3 | 247.9 | 221.6 | 166.2 | 119.6 | 125.4 | 125.4 |
| 145°   | 250.8 | 245.0 | 242.1 | 245.0 | 245.0 | 221.6 | 192.5 | 142.9 | 105.0 | 107.9 | 107.9 |
| 147.5° | 230.4 | 221.6 | 215.8 | 215.8 | 212.9 | 189.6 | 163.3 | 119.6 | 90.4  | 87.5  | 87.5  |
| 150°   | 198.3 | 189.6 | 183.7 | 183.7 | 175.0 | 154.6 | 131.2 | 93.3  | 72.9  | 72.9  | 72.9  |
| 152.5° | 163.3 | 154.6 | 148.7 | 148.7 | 140.0 | 119.6 | 99.2  | 70.0  | 55.4  | 55.4  | 55.4  |
| 155°   | 128.3 | 119.6 | 113.7 | 110.8 | 105.0 | 90.4  | 72.9  | 52.5  | 40.8  | 40.8  | 40.8  |
| 157.5° | 96.2  | 90.4  | 84.6  | 81.7  | 75.8  | 67.1  | 52.5  | 37.9  | 26.2  | 29.2  | 29.2  |
| 160°   | 67.1  | 61.2  | 58.3  | 55.4  | 52.5  | 43.7  | 35.0  | 23.3  | 14.6  | 14.6  | 14.6  |
| 162.5° | 40.8  | 37.9  | 37.9  | 35.0  | 32.1  | 29.2  | 20.4  | 11.7  | 5.8   | 5.8   | 5.8   |
| 165°   | 20.4  | 20.4  | 17.5  | 17.5  | 14.6  | 11.7  | 8.7   | 2.9   | 0.0   | 0.0   | 0.0   |
| 167.5° | 5.8   | 5.8   | 5.8   | 2.9   | 2.9   | 2.9   | 2.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 2.9   | 2.9   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 172.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 175°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 177.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 180°   | 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)