

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: P691636

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691636  
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-C018-5TLD-U-T5R-7040-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7011 lumens  
Efficiency: N/A  
Efficacy: 130.6 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): 53.7  
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



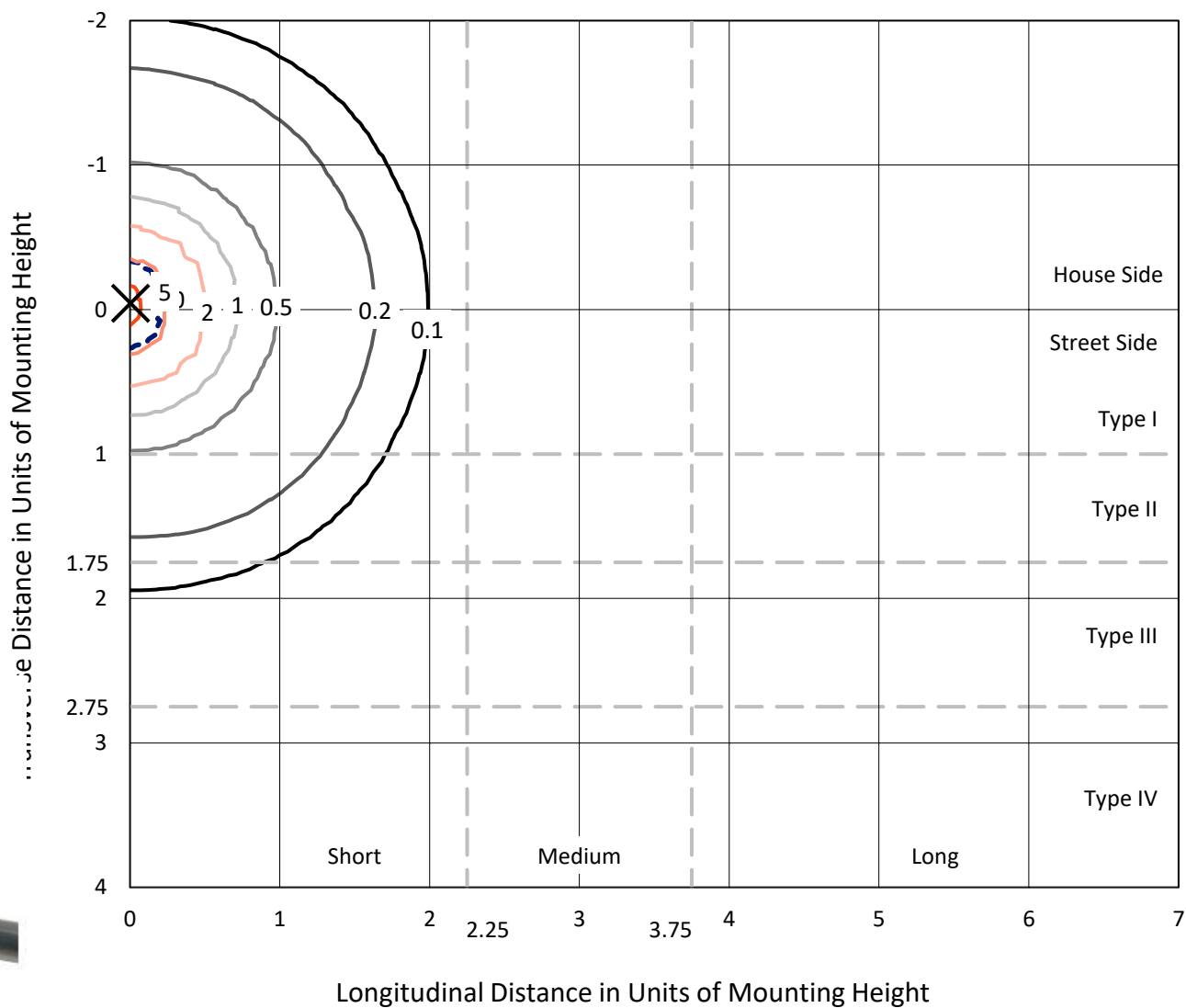
REPORT NUMBER: P691636

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

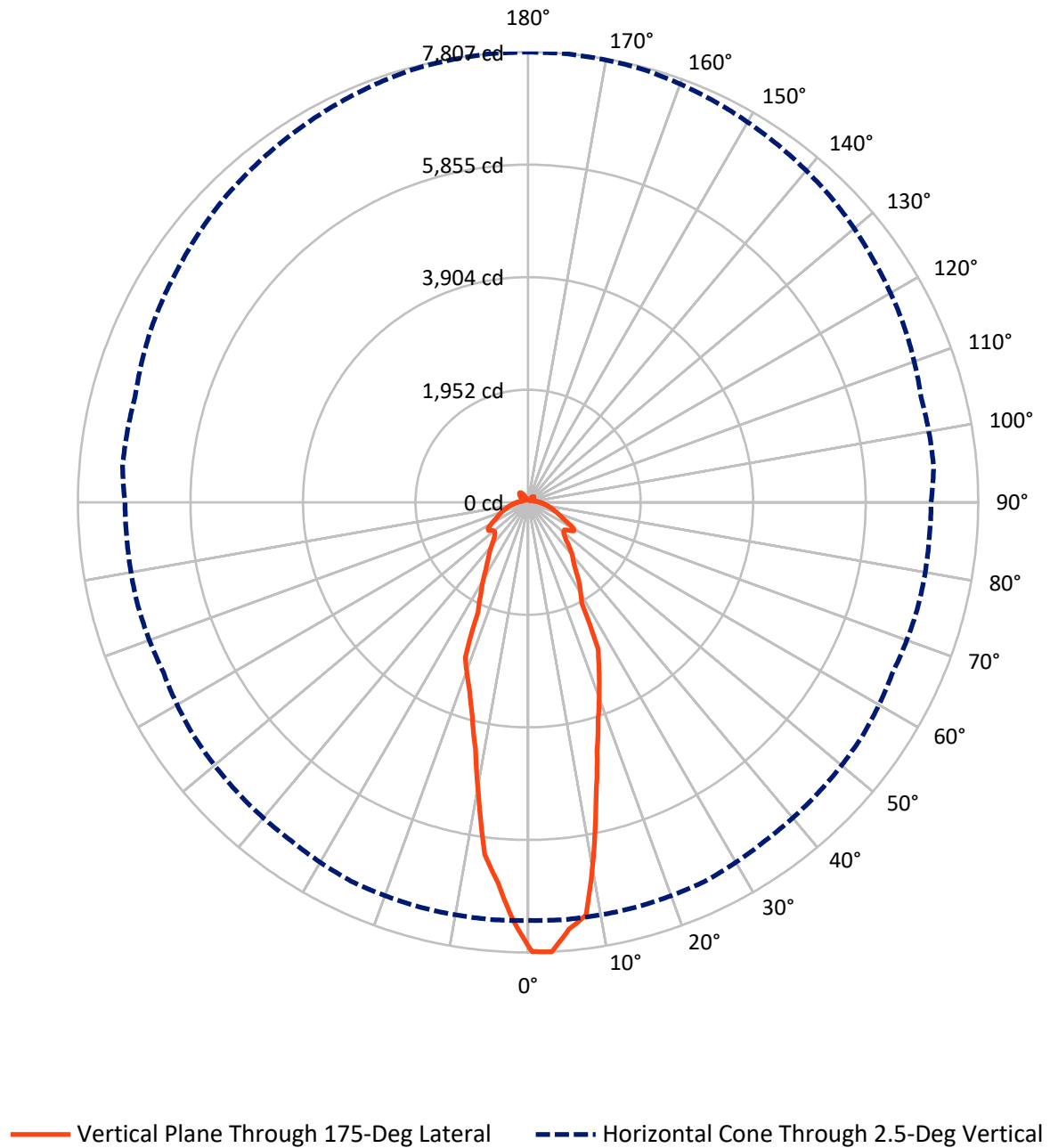


Based on 25 foot mounting height. Maximum calculated value = 12.5 fc  
 Type V - Short - N/A

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## Luminous Intensity Polar Plot



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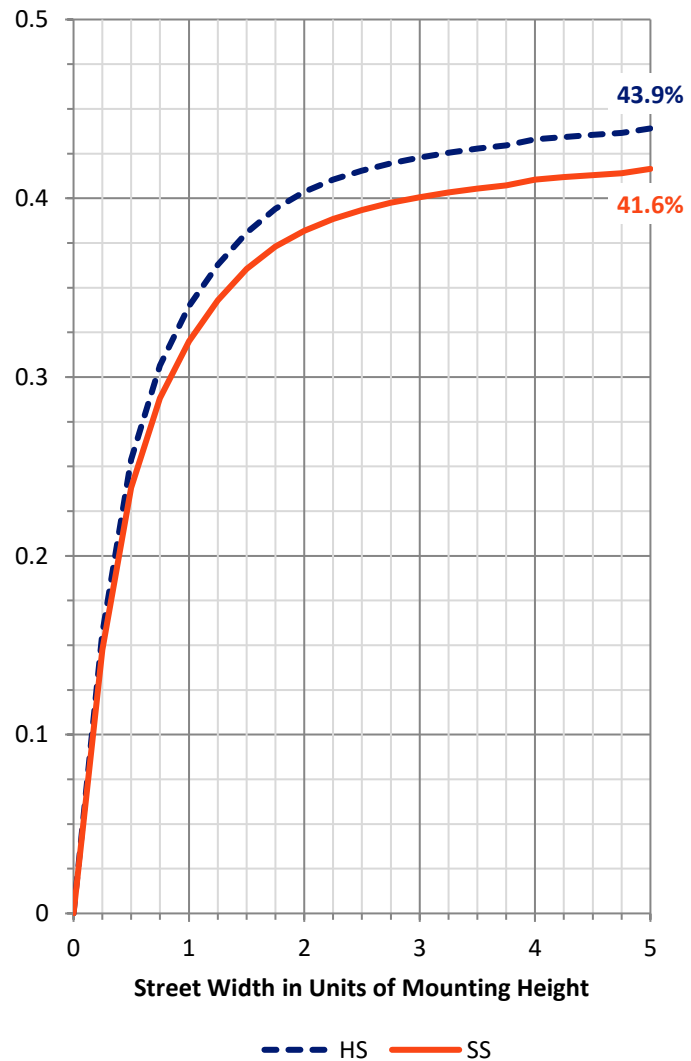
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3173.1   | 419.2  | 3592.2 |
|                    | % Fixture | 45.3     | 6.0    | 51.2   |
| <b>Street Side</b> | Lumens    | 2988.5   | 430.2  | 3418.8 |
|                    | % Fixture | 42.6     | 6.1    | 48.8   |
| <b>Total</b>       | Lumens    | 6161.6   | 849.4  | 7011.0 |
|                    | % Fixture | 87.9     | 12.1   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 580.1  | 8.3       |
| 10°-20°   | 1018.1 | 14.5      |
| 20°-30°   | 1009.5 | 14.4      |
| 30°-40°   | 778.2  | 11.1      |
| 40°-50°   | 667.2  | 9.5       |
| 50°-60°   | 746.2  | 10.6      |
| 60°-70°   | 639.3  | 9.1       |
| 70°-80°   | 439.9  | 6.3       |
| 80°-90°   | 283.2  | 4.0       |
| 90°-100°  | 169.7  | 2.4       |
| 100°-110° | 101.0  | 1.4       |
| 110°-120° | 93.4   | 1.3       |
| 120°-130° | 133.3  | 1.9       |
| 130°-140° | 172.3  | 2.5       |
| 140°-150° | 127.6  | 1.8       |
| 150°-160° | 46.6   | 0.7       |
| 160°-170° | 5.4    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6161.6 | 87.9      |
| 0°-180°   | 7011.0 | 100.0     |

**Coefficient of Utilization**



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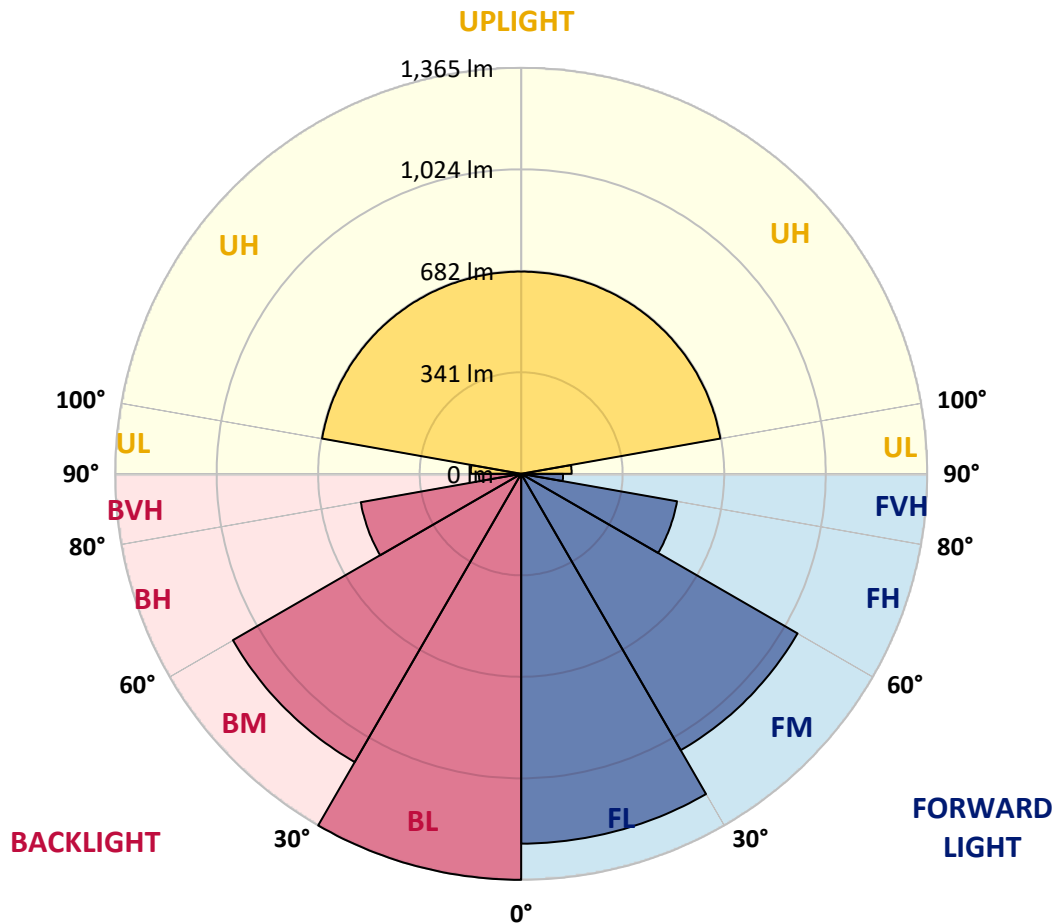
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7040-RMARROA5

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |        |
|------|-------------|--------|-----------|-------------------------|---------|--------|
|      |             |        |           | B                       | U       | G      |
| FL   | (0°-30°)    | 1242.9 | 17.7      |                         |         |        |
| FM   | (30°-60°)   | 1072.7 | 15.3      |                         |         |        |
| FH   | (60°-80°)   | 531.8  | 7.6       |                         |         | G0/660 |
| FVH  | (80°-90°)   | 141.1  | 2.0       |                         |         | G2/225 |
| BL   | (0°-30°)    | 1364.7 | 19.5      | B3/2500                 |         |        |
| BM   | (30°-60°)   | 1118.9 | 16.0      | B2/2500                 |         |        |
| BH   | (60°-80°)   | 547.4  | 7.8       | B2/1000                 |         | G0/660 |
| BVH  | (80°-90°)   | 142.0  | 2.0       |                         |         | G2/225 |
| UL   | (90°-100°)  | 169.7  | 2.4       |                         | U3/500  |        |
| UH   | (100°-180°) | 679.7  | 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°     | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 |
| 2.5°   | 7253.3 | 7263.8 | 7266.5 | 7253.3 | 7166.2 | 7121.4 | 7073.9 | 6979.0 | 7000.1 | 6986.9 | 6989.5 |
| 5°     | 6578.1 | 6620.3 | 6554.3 | 6535.9 | 6404.0 | 6306.4 | 6211.4 | 6108.6 | 6084.8 | 6042.6 | 6058.5 |
| 7.5°   | 6129.7 | 6153.4 | 6045.3 | 5934.5 | 5723.5 | 5573.1 | 5414.9 | 5256.6 | 5137.9 | 5093.1 | 5111.6 |
| 10°    | 5103.7 | 5182.8 | 5074.6 | 4961.2 | 4760.8 | 4581.4 | 4415.3 | 4259.6 | 4151.5 | 4117.2 | 4122.5 |
| 12.5°  | 4338.8 | 4383.6 | 4291.3 | 4214.8 | 3990.6 | 3819.2 | 3666.2 | 3521.1 | 3434.1 | 3397.2 | 3397.2 |
| 15°    | 3832.4 | 3850.8 | 3779.6 | 3631.9 | 3463.1 | 3307.5 | 3178.2 | 3072.7 | 3001.5 | 2988.3 | 2993.6 |
| 17.5°  | 3449.9 | 3449.9 | 3378.7 | 3262.7 | 3133.4 | 2996.3 | 2906.6 | 2827.5 | 2795.8 | 2806.4 | 2809.0 |
| 20°    | 3162.4 | 3165.1 | 3101.8 | 2988.3 | 2877.6 | 2753.6 | 2679.8 | 2624.4 | 2605.9 | 2624.4 | 2627.0 |
| 22.5°  | 2890.8 | 2903.9 | 2835.4 | 2751.0 | 2629.6 | 2532.0 | 2471.4 | 2410.7 | 2400.2 | 2408.1 | 2408.1 |
| 25°    | 2091.6 | 2091.6 | 2067.8 | 2001.9 | 2028.3 | 2038.8 | 2110.0 | 2263.0 | 2231.4 | 2260.4 | 2257.7 |
| 27.5°  | 1804.1 | 1814.6 | 1767.2 | 1709.1 | 1648.5 | 1577.3 | 1564.1 | 1550.9 | 1537.7 | 1598.4 | 1619.5 |
| 30°    | 1593.1 | 1598.4 | 1558.8 | 1519.2 | 1469.1 | 1429.6 | 1419.0 | 1419.0 | 1405.8 | 1453.3 | 1450.7 |
| 32.5°  | 1392.6 | 1384.7 | 1374.2 | 1337.2 | 1305.6 | 1271.3 | 1279.2 | 1273.9 | 1273.9 | 1316.1 | 1318.8 |
| 35°    | 1234.4 | 1231.7 | 1223.8 | 1197.4 | 1165.8 | 1139.4 | 1147.3 | 1152.6 | 1150.0 | 1176.3 | 1176.3 |
| 37.5°  | 1118.3 | 1121.0 | 1115.7 | 1105.1 | 1073.5 | 1052.4 | 1057.7 | 1052.4 | 1060.3 | 1078.8 | 1078.8 |
| 40°    | 1004.9 | 1004.9 | 1007.5 | 1004.9 | 983.8  | 975.9  | 991.7  | 983.8  | 1002.3 | 1015.5 | 1010.2 |
| 42.5°  | 896.8  | 899.4  | 904.7  | 899.4  | 886.2  | 878.3  | 886.2  | 888.9  | 915.2  | 933.7  | 931.1  |
| 45°    | 828.2  | 828.2  | 830.8  | 828.2  | 817.6  | 809.7  | 809.7  | 801.8  | 820.3  | 830.8  | 828.2  |
| 47.5°  | 783.4  | 783.4  | 788.6  | 786.0  | 780.7  | 772.8  | 767.5  | 757.0  | 764.9  | 772.8  | 764.9  |
| 50°    | 767.5  | 767.5  | 778.1  | 778.1  | 775.4  | 767.5  | 759.6  | 746.4  | 749.1  | 754.3  | 743.8  |
| 52.5°  | 791.3  | 791.3  | 809.7  | 817.6  | 817.6  | 804.5  | 793.9  | 775.4  | 775.4  | 780.7  | 764.9  |
| 55°    | 841.4  | 841.4  | 870.4  | 886.2  | 888.9  | 888.9  | 875.7  | 857.2  | 859.8  | 870.4  | 854.6  |
| 57.5°  | 822.9  | 825.6  | 849.3  | 870.4  | 883.6  | 891.5  | 891.5  | 880.9  | 888.9  | 915.2  | 907.3  |
| 60°    | 735.9  | 741.2  | 757.0  | 775.4  | 799.2  | 807.1  | 807.1  | 804.5  | 817.6  | 849.3  | 849.3  |
| 62.5°  | 654.1  | 656.8  | 664.7  | 680.5  | 693.7  | 699.0  | 699.0  | 688.4  | 704.2  | 720.1  | 714.8  |
| 65°    | 590.8  | 588.2  | 604.0  | 617.2  | 625.1  | 633.0  | 625.1  | 614.5  | 622.5  | 633.0  | 630.4  |
| 67.5°  | 538.1  | 538.1  | 551.2  | 561.8  | 567.1  | 575.0  | 569.7  | 564.4  | 575.0  | 580.3  | 575.0  |
| 70°    | 487.9  | 490.6  | 501.1  | 509.0  | 514.3  | 522.2  | 514.3  | 511.7  | 522.2  | 527.5  | 524.9  |
| 72.5°  | 437.8  | 440.5  | 448.4  | 458.9  | 464.2  | 466.8  | 464.2  | 461.6  | 469.5  | 474.8  | 474.8  |
| 75°    | 393.0  | 395.6  | 400.9  | 411.5  | 411.5  | 416.7  | 414.1  | 411.5  | 419.4  | 424.6  | 424.6  |
| 77.5°  | 350.8  | 356.1  | 358.7  | 366.6  | 369.3  | 371.9  | 369.3  | 369.3  | 374.5  | 379.8  | 382.4  |
| 80°    | 313.9  | 316.5  | 319.1  | 327.1  | 327.1  | 329.7  | 327.1  | 327.1  | 332.3  | 340.2  | 340.2  |
| 82.5°  | 279.6  | 282.2  | 284.9  | 290.1  | 287.5  | 290.1  | 290.1  | 290.1  | 295.4  | 303.3  | 303.3  |
| 85°    | 245.3  | 250.6  | 250.6  | 255.8  | 255.8  | 255.8  | 255.8  | 258.5  | 261.1  | 269.0  | 269.0  |
| 87.5°  | 216.3  | 218.9  | 221.6  | 224.2  | 224.2  | 226.8  | 226.8  | 229.5  | 232.1  | 237.4  | 240.0  |
| 90°    | 187.3  | 189.9  | 192.5  | 192.5  | 192.5  | 195.2  | 195.2  | 197.8  | 200.5  | 205.7  | 208.4  |
| 92.5°  | 166.2  | 168.8  | 168.8  | 171.4  | 171.4  | 171.4  | 174.1  | 176.7  | 179.4  | 184.6  | 184.6  |
| 95°    | 147.7  | 150.3  | 150.3  | 150.3  | 150.3  | 153.0  | 153.0  | 155.6  | 158.3  | 163.5  | 163.5  |
| 97.5°  | 131.9  | 131.9  | 131.9  | 131.9  | 131.9  | 134.5  | 134.5  | 137.2  | 139.8  | 142.4  | 142.4  |
| 100°   | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  | 118.7  | 118.7  | 124.0  | 124.0  |
| 102.5° | 102.9  | 102.9  | 100.2  | 100.2  | 100.2  | 97.6   | 97.6   | 100.2  | 100.2  | 102.9  | 102.9  |
| 105°   | 92.3   | 92.3   | 92.3   | 92.3   | 89.7   | 89.7   | 89.7   | 89.7   | 89.7   | 92.3   | 92.3   |
| 107.5° | 89.7   | 89.7   | 87.0   | 87.0   | 87.0   | 84.4   | 84.4   | 84.4   | 84.4   | 87.0   | 87.0   |
| 110°   | 87.0   | 87.0   | 87.0   | 87.0   | 84.4   | 84.4   | 81.8   | 81.8   | 81.8   | 84.4   | 84.4   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 89.7  | 89.7  | 89.7  | 87.0  | 87.0  | 84.4  | 84.4  | 84.4  | 84.4  | 84.4  | 87.0  |
| 115°   | 95.0  | 92.3  | 92.3  | 92.3  | 92.3  | 89.7  | 87.0  | 87.0  | 89.7  | 89.7  | 89.7  |
| 117.5° | 102.9 | 100.2 | 100.2 | 102.9 | 100.2 | 97.6  | 95.0  | 95.0  | 97.6  | 97.6  | 100.2 |
| 120°   | 113.4 | 110.8 | 113.4 | 113.4 | 113.4 | 110.8 | 108.1 | 105.5 | 108.1 | 110.8 | 110.8 |
| 122.5° | 126.6 | 124.0 | 126.6 | 129.2 | 129.2 | 126.6 | 121.3 | 121.3 | 124.0 | 126.6 | 129.2 |
| 125°   | 142.4 | 142.4 | 145.1 | 147.7 | 150.3 | 145.1 | 142.4 | 139.8 | 145.1 | 147.7 | 147.7 |
| 127.5° | 160.9 | 158.3 | 163.5 | 171.4 | 174.1 | 168.8 | 163.5 | 160.9 | 166.2 | 171.4 | 171.4 |
| 130°   | 179.4 | 176.7 | 184.6 | 192.5 | 197.8 | 192.5 | 187.3 | 184.6 | 189.9 | 195.2 | 195.2 |
| 132.5° | 195.2 | 192.5 | 203.1 | 213.6 | 218.9 | 216.3 | 211.0 | 205.7 | 213.6 | 218.9 | 216.3 |
| 135°   | 208.4 | 208.4 | 221.6 | 232.1 | 237.4 | 234.7 | 229.5 | 224.2 | 234.7 | 240.0 | 234.7 |
| 137.5° | 216.3 | 216.3 | 232.1 | 242.7 | 247.9 | 247.9 | 245.3 | 240.0 | 250.6 | 253.2 | 245.3 |
| 140°   | 216.3 | 218.9 | 232.1 | 242.7 | 245.3 | 247.9 | 247.9 | 245.3 | 255.8 | 255.8 | 247.9 |
| 142.5° | 208.4 | 211.0 | 224.2 | 234.7 | 237.4 | 240.0 | 242.7 | 240.0 | 247.9 | 247.9 | 242.7 |
| 145°   | 195.2 | 197.8 | 211.0 | 221.6 | 221.6 | 224.2 | 229.5 | 226.8 | 232.1 | 234.7 | 229.5 |
| 147.5° | 176.7 | 179.4 | 189.9 | 195.2 | 197.8 | 203.1 | 208.4 | 208.4 | 211.0 | 213.6 | 211.0 |
| 150°   | 153.0 | 153.0 | 160.9 | 166.2 | 168.8 | 174.1 | 179.4 | 182.0 | 182.0 | 184.6 | 182.0 |
| 152.5° | 121.3 | 121.3 | 126.6 | 131.9 | 134.5 | 142.4 | 145.1 | 147.7 | 150.3 | 153.0 | 150.3 |
| 155°   | 92.3  | 92.3  | 95.0  | 97.6  | 100.2 | 108.1 | 110.8 | 113.4 | 116.1 | 118.7 | 116.1 |
| 157.5° | 65.9  | 65.9  | 68.6  | 71.2  | 73.9  | 79.1  | 81.8  | 84.4  | 84.4  | 87.0  | 87.0  |
| 160°   | 42.2  | 44.8  | 44.8  | 47.5  | 47.5  | 52.8  | 55.4  | 55.4  | 58.0  | 60.7  | 60.7  |
| 162.5° | 21.1  | 23.7  | 23.7  | 26.4  | 29.0  | 31.7  | 34.3  | 34.3  | 36.9  | 36.9  | 36.9  |
| 165°   | 5.3   | 7.9   | 7.9   | 10.6  | 10.6  | 13.2  | 15.8  | 15.8  | 18.5  | 18.5  | 18.5  |
| 167.5° | 0.0   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   | 2.6   | 5.3   | 5.3   | 5.3   | 5.3   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 2.6   | 0.0   | 0.0   | 2.6   | 2.6   | 2.6   | 2.6   |
| 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°     | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 | 7791.3 |
| 2.5°   | 7060.7 | 7055.4 | 7200.5 | 7316.6 | 7453.7 | 7561.9 | 7667.4 | 7767.6 | 7807.2 | 7804.5 | 7807.2 |
| 5°     | 6129.7 | 6222.0 | 6411.9 | 6599.2 | 6820.7 | 7029.1 | 7224.3 | 7353.5 | 7435.3 | 7435.3 | 7443.2 |
| 7.5°   | 5196.0 | 5343.7 | 5578.4 | 5876.5 | 6208.8 | 6480.5 | 6810.2 | 7042.3 | 7226.9 | 7221.6 | 7255.9 |
| 10°    | 4196.3 | 4312.4 | 4547.1 | 4866.3 | 5232.9 | 5546.8 | 5834.3 | 6050.5 | 6229.9 | 6219.3 | 6264.2 |
| 12.5°  | 3447.3 | 3529.0 | 3732.1 | 4022.3 | 4357.2 | 4660.6 | 4942.8 | 5111.6 | 5238.2 | 5235.5 | 5259.3 |
| 15°    | 3006.8 | 3091.2 | 3223.1 | 3423.5 | 3700.5 | 3969.5 | 4251.7 | 4404.7 | 4475.9 | 4468.0 | 4507.6 |
| 17.5°  | 2827.5 | 2861.7 | 2943.5 | 3078.0 | 3278.5 | 3497.4 | 3721.6 | 3853.5 | 3935.2 | 3924.7 | 3953.7 |
| 20°    | 2634.9 | 2666.6 | 2722.0 | 2822.2 | 2964.6 | 3130.8 | 3320.7 | 3465.7 | 3526.4 | 3523.8 | 3542.2 |
| 22.5°  | 2413.4 | 2429.2 | 2489.8 | 2569.0 | 2671.8 | 2806.4 | 2951.4 | 3083.3 | 3144.0 | 3141.3 | 3159.8 |
| 25°    | 2260.4 | 2286.8 | 2323.7 | 2371.2 | 2442.4 | 2547.9 | 2669.2 | 2761.5 | 2816.9 | 2811.6 | 2835.4 |
| 27.5°  | 1651.1 | 1677.5 | 1695.9 | 1725.0 | 1727.6 | 1814.6 | 1856.8 | 1933.3 | 1983.4 | 1980.8 | 1996.6 |
| 30°    | 1450.7 | 1455.9 | 1471.8 | 1511.3 | 1535.1 | 1603.6 | 1688.0 | 1746.1 | 1788.3 | 1804.1 | 1814.6 |
| 32.5°  | 1324.1 | 1339.9 | 1358.3 | 1376.8 | 1405.8 | 1448.0 | 1514.0 | 1566.7 | 1611.5 | 1619.5 | 1637.9 |
| 35°    | 1179.0 | 1189.5 | 1202.7 | 1221.2 | 1239.6 | 1273.9 | 1324.1 | 1366.3 | 1400.5 | 1413.7 | 1424.3 |
| 37.5°  | 1076.1 | 1078.8 | 1091.9 | 1113.0 | 1128.9 | 1157.9 | 1202.7 | 1234.4 | 1268.7 | 1271.3 | 1281.8 |
| 40°    | 1007.5 | 1010.2 | 1023.4 | 1041.8 | 1060.3 | 1078.8 | 1118.3 | 1147.3 | 1171.1 | 1173.7 | 1181.6 |
| 42.5°  | 928.4  | 936.3  | 941.6  | 949.5  | 962.7  | 978.5  | 1012.8 | 1028.6 | 1044.5 | 1047.1 | 1057.7 |
| 45°    | 820.3  | 822.9  | 828.2  | 836.1  | 851.9  | 867.8  | 891.5  | 910.0  | 920.5  | 920.5  | 917.9  |
| 47.5°  | 759.6  | 762.3  | 762.3  | 772.8  | 786.0  | 801.8  | 822.9  | 838.7  | 844.0  | 844.0  | 844.0  |
| 50°    | 738.5  | 738.5  | 733.2  | 741.2  | 754.3  | 764.9  | 786.0  | 799.2  | 801.8  | 804.5  | 807.1  |
| 52.5°  | 754.3  | 749.1  | 733.2  | 741.2  | 754.3  | 764.9  | 786.0  | 791.3  | 791.3  | 796.5  | 799.2  |
| 55°    | 841.4  | 833.5  | 801.8  | 807.1  | 822.9  | 836.1  | 851.9  | 854.6  | 859.8  | 867.8  | 865.1  |
| 57.5°  | 896.8  | 902.0  | 865.1  | 873.0  | 902.0  | 912.6  | 931.1  | 928.4  | 939.0  | 949.5  | 952.2  |
| 60°    | 844.0  | 859.8  | 830.8  | 841.4  | 875.7  | 880.9  | 899.4  | 888.9  | 904.7  | 904.7  | 904.7  |
| 62.5°  | 717.4  | 722.7  | 706.9  | 722.7  | 754.3  | 754.3  | 767.5  | 759.6  | 764.9  | 759.6  | 762.3  |
| 65°    | 627.7  | 625.1  | 606.6  | 627.7  | 638.3  | 643.6  | 654.1  | 656.8  | 656.8  | 651.5  | 651.5  |
| 67.5°  | 572.3  | 567.1  | 551.2  | 556.5  | 567.1  | 569.7  | 585.5  | 588.2  | 585.5  | 585.5  | 588.2  |
| 70°    | 522.2  | 514.3  | 498.5  | 501.1  | 509.0  | 511.7  | 524.9  | 530.1  | 527.5  | 524.9  | 527.5  |
| 72.5°  | 472.1  | 464.2  | 448.4  | 448.4  | 456.3  | 461.6  | 472.1  | 477.4  | 472.1  | 472.1  | 474.8  |
| 75°    | 424.6  | 416.7  | 400.9  | 400.9  | 406.2  | 408.8  | 422.0  | 424.6  | 422.0  | 419.4  | 422.0  |
| 77.5°  | 382.4  | 377.2  | 361.3  | 361.3  | 364.0  | 366.6  | 374.5  | 377.2  | 374.5  | 371.9  | 374.5  |
| 80°    | 342.9  | 335.0  | 324.4  | 321.8  | 324.4  | 324.4  | 332.3  | 335.0  | 329.7  | 329.7  | 332.3  |
| 82.5°  | 306.0  | 298.0  | 287.5  | 287.5  | 284.9  | 287.5  | 292.8  | 295.4  | 292.8  | 290.1  | 292.8  |
| 85°    | 271.7  | 266.4  | 255.8  | 253.2  | 253.2  | 253.2  | 258.5  | 258.5  | 255.8  | 255.8  | 255.8  |
| 87.5°  | 240.0  | 234.7  | 224.2  | 224.2  | 221.6  | 224.2  | 226.8  | 226.8  | 224.2  | 224.2  | 224.2  |
| 90°    | 208.4  | 203.1  | 195.2  | 195.2  | 192.5  | 195.2  | 197.8  | 197.8  | 195.2  | 195.2  | 195.2  |
| 92.5°  | 184.6  | 182.0  | 174.1  | 174.1  | 171.4  | 174.1  | 174.1  | 174.1  | 171.4  | 171.4  | 171.4  |
| 95°    | 163.5  | 160.9  | 155.6  | 153.0  | 153.0  | 153.0  | 153.0  | 153.0  | 150.3  | 150.3  | 150.3  |
| 97.5°  | 142.4  | 139.8  | 134.5  | 134.5  | 131.9  | 134.5  | 134.5  | 134.5  | 131.9  | 131.9  | 131.9  |
| 100°   | 124.0  | 121.3  | 118.7  | 118.7  | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  | 116.1  |
| 102.5° | 102.9  | 102.9  | 100.2  | 100.2  | 100.2  | 100.2  | 100.2  | 100.2  | 100.2  | 100.2  | 100.2  |
| 105°   | 92.3   | 92.3   | 92.3   | 92.3   | 95.0   | 95.0   | 95.0   | 92.3   | 92.3   | 92.3   | 92.3   |
| 107.5° | 87.0   | 87.0   | 87.0   | 89.7   | 89.7   | 89.7   | 92.3   | 87.0   | 84.4   | 84.4   | 84.4   |
| 110°   | 84.4   | 84.4   | 87.0   | 87.0   | 89.7   | 89.7   | 92.3   | 81.8   | 79.1   | 79.1   | 79.1   |

REPORT NUMBER: P691636

CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7040-RMARROA5

**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 178°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 87.0  | 87.0  | 87.0  | 89.7  | 92.3  | 92.3  | 95.0  | 81.8  | 79.1  | 79.1  | 79.1  |
| 115°   | 92.3  | 92.3  | 92.3  | 95.0  | 97.6  | 100.2 | 100.2 | 87.0  | 81.8  | 81.8  | 84.4  |
| 117.5° | 100.2 | 100.2 | 100.2 | 102.9 | 108.1 | 108.1 | 108.1 | 92.3  | 89.7  | 89.7  | 89.7  |
| 120°   | 110.8 | 113.4 | 113.4 | 116.1 | 121.3 | 124.0 | 118.7 | 105.5 | 89.7  | 97.6  | 97.6  |
| 122.5° | 126.6 | 129.2 | 131.9 | 134.5 | 142.4 | 142.4 | 134.5 | 121.3 | 97.6  | 108.1 | 110.8 |
| 125°   | 147.7 | 150.3 | 153.0 | 158.3 | 166.2 | 166.2 | 155.6 | 137.2 | 110.8 | 121.3 | 124.0 |
| 127.5° | 168.8 | 174.1 | 176.7 | 184.6 | 195.2 | 195.2 | 182.0 | 158.3 | 124.0 | 131.9 | 134.5 |
| 130°   | 192.5 | 197.8 | 203.1 | 213.6 | 226.8 | 221.6 | 211.0 | 179.4 | 134.5 | 139.8 | 139.8 |
| 132.5° | 213.6 | 221.6 | 224.2 | 240.0 | 253.2 | 247.9 | 234.7 | 192.5 | 139.8 | 139.8 | 137.2 |
| 135°   | 229.5 | 234.7 | 237.4 | 253.2 | 266.4 | 258.5 | 242.7 | 197.8 | 137.2 | 131.9 | 131.9 |
| 137.5° | 240.0 | 245.3 | 247.9 | 258.5 | 269.0 | 255.8 | 234.7 | 187.3 | 131.9 | 129.2 | 126.6 |
| 140°   | 245.3 | 245.3 | 245.3 | 253.2 | 258.5 | 242.7 | 216.3 | 168.8 | 118.7 | 124.0 | 124.0 |
| 142.5° | 240.0 | 237.4 | 234.7 | 240.0 | 242.7 | 224.2 | 200.5 | 150.3 | 108.1 | 113.4 | 113.4 |
| 145°   | 226.8 | 221.6 | 218.9 | 221.6 | 221.6 | 200.5 | 174.1 | 129.2 | 95.0  | 97.6  | 97.6  |
| 147.5° | 208.4 | 200.5 | 195.2 | 195.2 | 192.5 | 171.4 | 147.7 | 108.1 | 81.8  | 79.1  | 79.1  |
| 150°   | 179.4 | 171.4 | 166.2 | 166.2 | 158.3 | 139.8 | 118.7 | 84.4  | 65.9  | 65.9  | 65.9  |
| 152.5° | 147.7 | 139.8 | 134.5 | 134.5 | 126.6 | 108.1 | 89.7  | 63.3  | 50.1  | 50.1  | 50.1  |
| 155°   | 116.1 | 108.1 | 102.9 | 100.2 | 95.0  | 81.8  | 65.9  | 47.5  | 36.9  | 36.9  | 36.9  |
| 157.5° | 87.0  | 81.8  | 76.5  | 73.9  | 68.6  | 60.7  | 47.5  | 34.3  | 23.7  | 26.4  | 26.4  |
| 160°   | 60.7  | 55.4  | 52.8  | 50.1  | 47.5  | 39.6  | 31.7  | 21.1  | 13.2  | 13.2  | 13.2  |
| 162.5° | 36.9  | 34.3  | 34.3  | 31.7  | 29.0  | 26.4  | 18.5  | 10.6  | 5.3   | 5.3   | 5.3   |
| 165°   | 18.5  | 18.5  | 15.8  | 15.8  | 13.2  | 10.6  | 7.9   | 2.6   | 0.0   | 0.0   | 0.0   |
| 167.5° | 5.3   | 5.3   | 5.3   | 2.6   | 2.6   | 2.6   | 2.6   | 0.0   | 0.0   | 0.0   | 0.0   |
| 170°   | 2.6   | 2.6   | 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   |

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