

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: P691087

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691087  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2363 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U1 - G1  
  
Input Watts (W): 23.2  
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

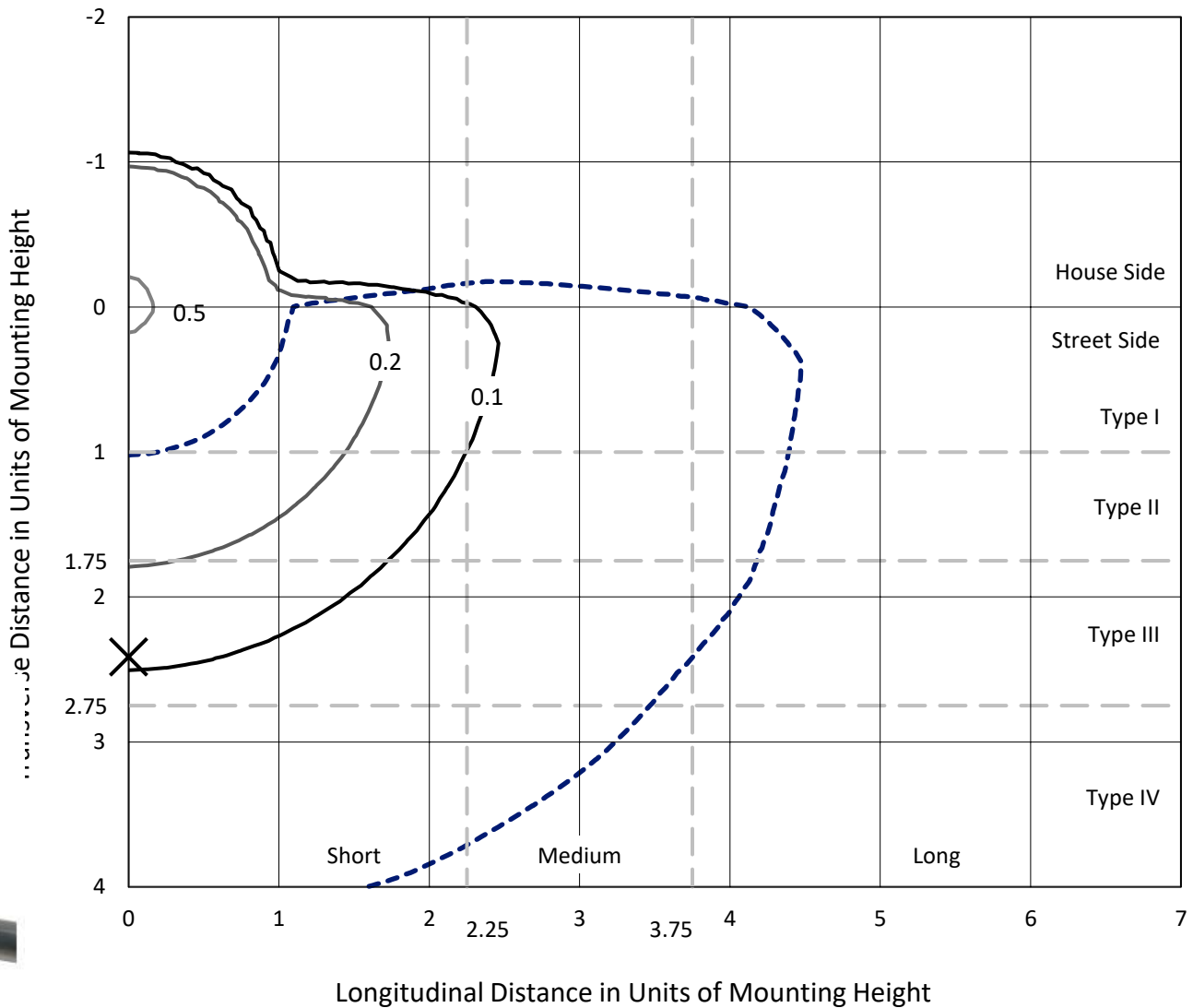


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

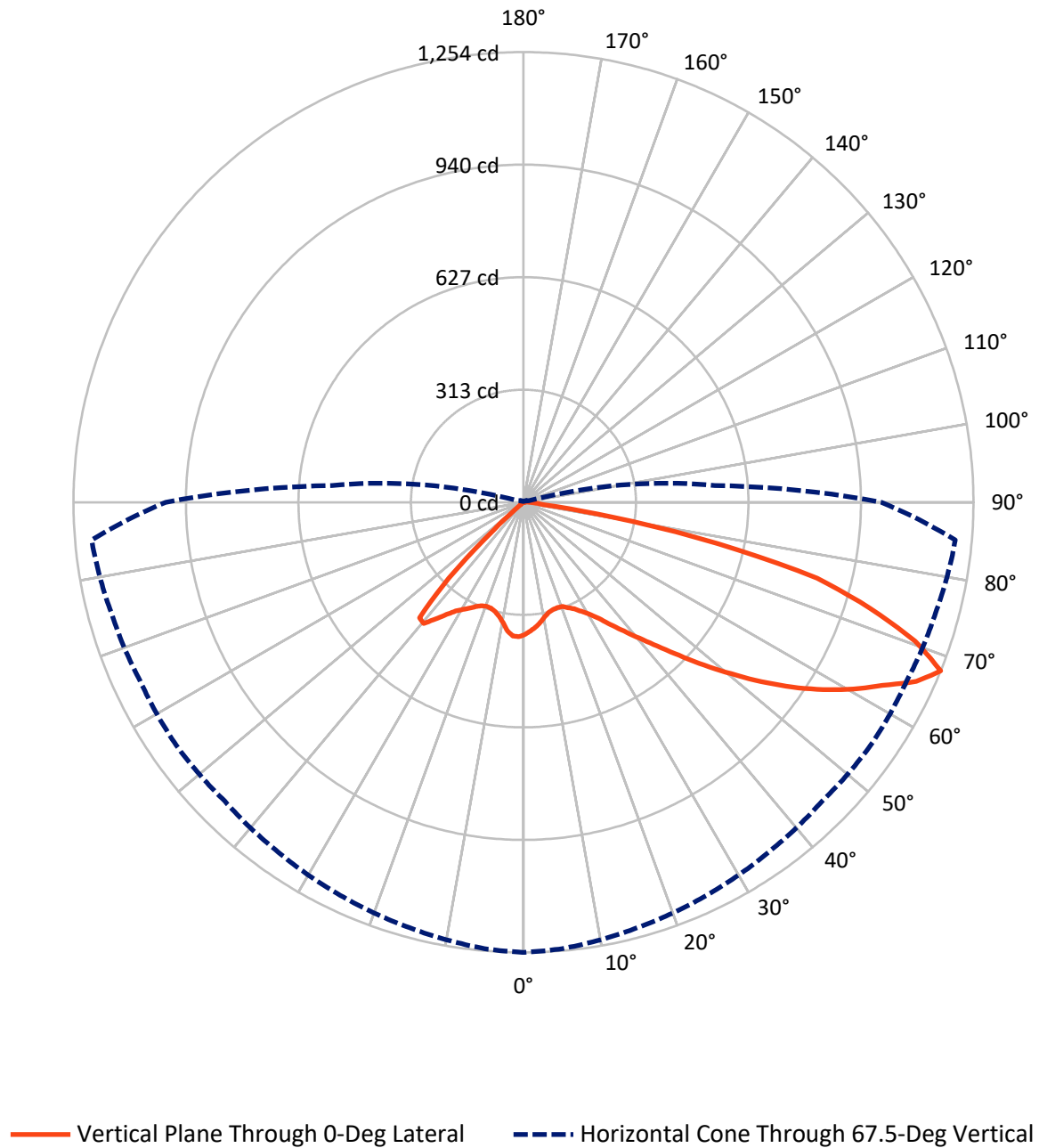


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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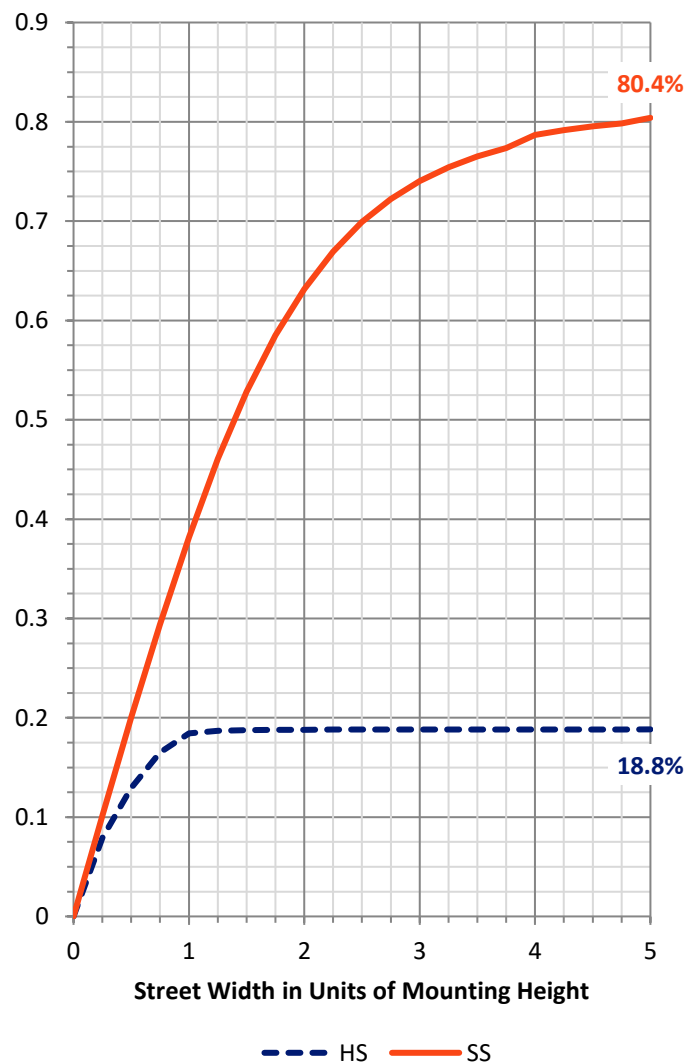
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 447.5    | 0.9    | 448.4  |
|                    | % Fixture | 18.9     | 0.0    | 19.0   |
| <b>Street Side</b> | Lumens    | 1909.3   | 5.4    | 1914.7 |
|                    | % Fixture | 80.8     | 0.2    | 81.0   |
| <b>Total</b>       | Lumens    | 2356.8   | 6.2    | 2363.0 |
|                    | % Fixture | 99.7     | 0.3    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.0   | 1.4       |
| 10°-20°   | 86.7   | 3.7       |
| 20°-30°   | 148.8  | 6.3       |
| 30°-40°   | 251.5  | 10.6      |
| 40°-50°   | 335.6  | 14.2      |
| 50°-60°   | 426.1  | 18.0      |
| 60°-70°   | 596.8  | 25.3      |
| 70°-80°   | 432.2  | 18.3      |
| 80°-90°   | 46.1   | 1.9       |
| 90°-100°  | 5.2    | 0.2       |
| 100°-110° | 0.5    | 0.0       |
| 110°-120° | 0.2    | 0.0       |
| 120°-130° | 0.1    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.1    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2356.8 | 99.7      |
| 0°-180°   | 2363.0 | 100.0     |

**Coefficient of Utilization**



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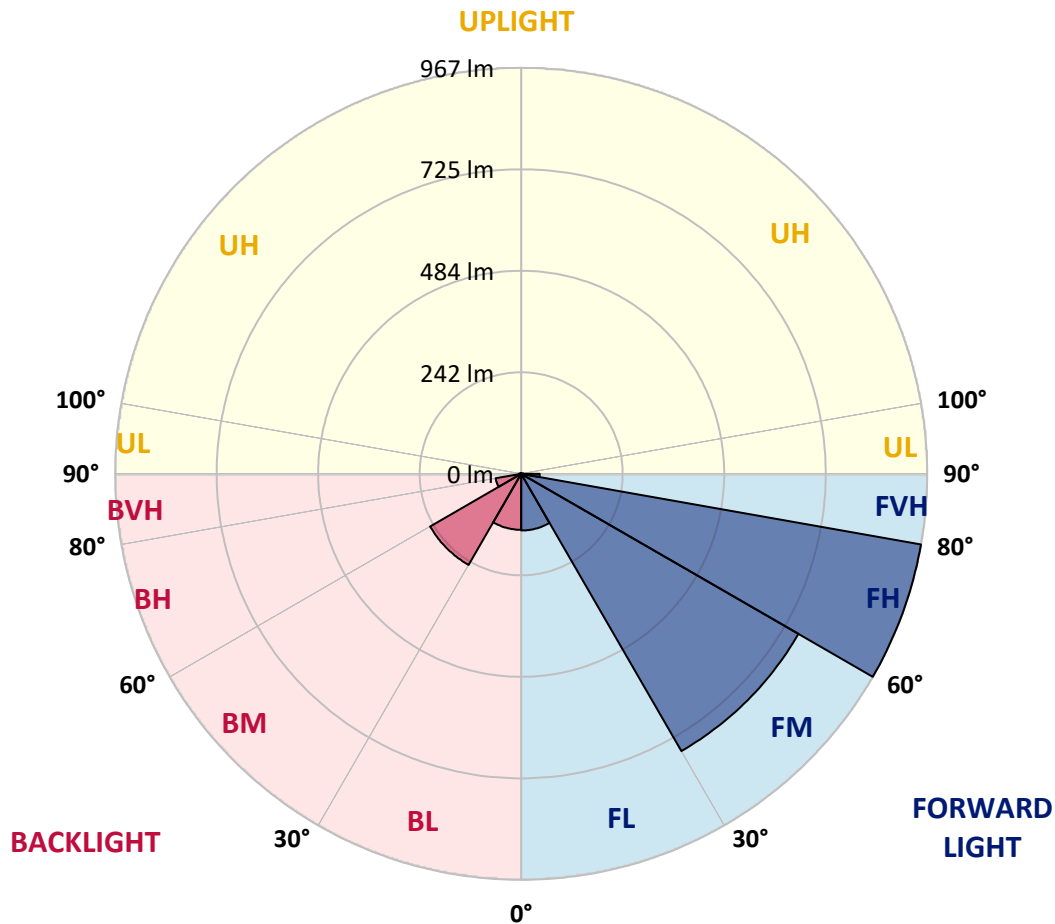
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 135.1  | 5.7       |                         |       |         |
| FM   | (30°-60°)   | 762.7  | 32.3      |                         |       |         |
| FH   | (60°-80°)   | 967.2  | 40.9      |                         |       | G1/1800 |
| FVH  | (80°-90°)   | 44.3   | 1.9       |                         |       | G1/100  |
| BL   | (0°-30°)    | 133.4  | 5.6       | B1/500                  |       |         |
| BM   | (30°-60°)   | 250.6  | 10.6      | B1/1000                 |       |         |
| BH   | (60°-80°)   | 61.8   | 2.6       | B0/110                  |       | G0/110  |
| BVH  | (80°-90°)   | 1.7    | 0.1       |                         |       | G0/10   |
| UL   | (90°-100°)  | 5.2    | 0.2       |                         | U1/10 |         |
| UH   | (100°-180°) | 1.1    | 0.0       |                         | U1/10 |         |

**BUG Rating: B1-U1-G1**

Type IV Short



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CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°     | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7  | 368.7 |
| 2.5°   | 359.3  | 360.4  | 360.4  | 360.4  | 361.6  | 360.4  | 360.4  | 360.4  | 360.4  | 361.6  | 361.6 |
| 5°     | 349.8  | 349.8  | 349.8  | 351.0  | 351.0  | 349.8  | 348.6  | 349.8  | 349.8  | 351.0  | 351.0 |
| 7.5°   | 338.0  | 338.0  | 338.0  | 339.2  | 338.0  | 335.6  | 333.3  | 334.4  | 333.3  | 334.4  | 335.6 |
| 10°    | 323.8  | 325.0  | 325.0  | 323.8  | 322.6  | 319.1  | 315.5  | 316.7  | 315.5  | 316.7  | 316.7 |
| 12.5°  | 314.4  | 315.5  | 315.5  | 314.4  | 310.8  | 308.4  | 306.1  | 303.7  | 302.5  | 304.9  | 303.7 |
| 15°    | 309.6  | 310.8  | 310.8  | 309.6  | 307.3  | 304.9  | 300.2  | 299.0  | 296.6  | 295.4  | 296.6 |
| 17.5°  | 308.4  | 308.4  | 308.4  | 307.3  | 304.9  | 301.4  | 299.0  | 296.6  | 295.4  | 295.4  | 294.3 |
| 20°    | 309.6  | 312.0  | 310.8  | 309.6  | 307.3  | 304.9  | 301.4  | 297.8  | 297.8  | 297.8  | 296.6 |
| 22.5°  | 319.1  | 319.1  | 317.9  | 317.9  | 315.5  | 312.0  | 308.4  | 306.1  | 303.7  | 303.7  | 303.7 |
| 25°    | 328.5  | 329.7  | 329.7  | 328.5  | 325.0  | 320.3  | 319.1  | 315.5  | 314.4  | 313.2  | 312.0 |
| 27.5°  | 343.9  | 342.7  | 343.9  | 343.9  | 339.2  | 336.8  | 333.3  | 330.9  | 329.7  | 327.3  | 326.2 |
| 30°    | 361.6  | 361.6  | 361.6  | 361.6  | 358.1  | 353.3  | 351.0  | 347.4  | 343.9  | 343.9  | 341.5 |
| 32.5°  | 385.3  | 386.4  | 386.4  | 385.3  | 381.7  | 377.0  | 374.6  | 369.9  | 368.7  | 366.3  | 364.0 |
| 35°    | 418.3  | 418.3  | 418.3  | 416.0  | 411.3  | 407.7  | 405.3  | 401.8  | 400.6  | 397.1  | 391.2 |
| 37.5°  | 455.0  | 455.0  | 457.3  | 455.0  | 450.3  | 445.5  | 442.0  | 439.6  | 436.1  | 433.7  | 430.2 |
| 40°    | 497.5  | 497.5  | 498.7  | 495.2  | 490.4  | 488.1  | 484.5  | 479.8  | 477.4  | 476.3  | 469.2 |
| 42.5°  | 547.2  | 549.5  | 549.5  | 546.0  | 542.4  | 538.9  | 534.2  | 530.6  | 528.3  | 523.5  | 514.1 |
| 45°    | 607.4  | 606.2  | 608.6  | 605.1  | 602.7  | 601.5  | 594.4  | 586.2  | 587.3  | 576.7  | 566.1 |
| 47.5°  | 678.3  | 679.5  | 678.3  | 674.8  | 672.4  | 671.2  | 664.2  | 653.5  | 648.8  | 640.5  | 620.4 |
| 50°    | 750.4  | 751.6  | 750.4  | 748.1  | 750.4  | 743.3  | 735.1  | 725.6  | 724.4  | 713.8  | 683.1 |
| 52.5°  | 829.6  | 826.1  | 824.9  | 823.7  | 821.3  | 817.8  | 809.5  | 798.9  | 800.1  | 788.2  | 739.8 |
| 55°    | 908.8  | 905.2  | 899.3  | 897.0  | 894.6  | 888.7  | 881.6  | 878.1  | 876.9  | 865.1  | 800.1 |
| 57.5°  | 984.4  | 978.5  | 970.2  | 969.0  | 965.5  | 957.2  | 953.7  | 947.8  | 947.8  | 934.8  | 843.8 |
| 60°    | 1056.5 | 1049.4 | 1040.0 | 1035.2 | 1029.3 | 1022.2 | 1021.0 | 1017.5 | 1018.7 | 1011.6 | 891.1 |
| 62.5°  | 1122.7 | 1116.8 | 1105.0 | 1097.9 | 1088.4 | 1082.5 | 1083.7 | 1081.3 | 1086.0 | 1081.3 | 932.4 |
| 65°    | 1203.0 | 1195.9 | 1181.8 | 1166.4 | 1153.4 | 1144.0 | 1140.4 | 1147.5 | 1167.6 | 1172.3 | 988.0 |
| 67.5°  | 1253.9 | 1247.9 | 1226.7 | 1207.8 | 1190.0 | 1177.0 | 1180.6 | 1178.2 | 1188.9 | 1207.8 | 997.4 |
| 70°    | 1158.1 | 1155.8 | 1134.5 | 1122.7 | 1109.7 | 1096.7 | 1097.9 | 1094.3 | 1102.6 | 1107.3 | 914.7 |
| 72.5°  | 1010.4 | 1022.2 | 995.0  | 993.9  | 985.6  | 986.8  | 973.8  | 983.2  | 977.3  | 977.3  | 809.5 |
| 75°    | 845.0  | 820.1  | 811.9  | 832.0  | 820.1  | 821.3  | 819.0  | 829.6  | 828.4  | 829.6  | 704.3 |
| 77.5°  | 554.2  | 559.0  | 548.3  | 569.6  | 580.2  | 598.0  | 606.2  | 634.6  | 624.0  | 621.6  | 557.8 |
| 80°    | 248.2  | 254.1  | 255.3  | 275.4  | 288.4  | 306.1  | 300.2  | 320.3  | 307.3  | 286.0  | 273.0 |
| 82.5°  | 55.5   | 55.5   | 62.6   | 80.4   | 85.1   | 88.6   | 88.6   | 92.2   | 73.3   | 44.9   | 36.6  |
| 85°    | 37.8   | 36.6   | 49.6   | 67.4   | 70.9   | 68.5   | 66.2   | 61.5   | 42.5   | 13.0   | 10.6  |
| 87.5°  | 24.8   | 26.0   | 40.2   | 55.5   | 57.9   | 54.4   | 50.8   | 46.1   | 30.7   | 3.5    | 2.4   |
| 90°    | 16.5   | 18.9   | 30.7   | 42.5   | 42.5   | 40.2   | 36.6   | 30.7   | 18.9   | 1.2    | 1.2   |
| 92.5°  | 8.3    | 9.5    | 15.4   | 18.9   | 17.7   | 15.4   | 14.2   | 11.8   | 7.1    | 1.2    | 1.2   |
| 95°    | 4.7    | 4.7    | 7.1    | 7.1    | 7.1    | 5.9    | 5.9    | 4.7    | 2.4    | 1.2    | 1.2   |
| 97.5°  | 3.5    | 3.5    | 4.7    | 4.7    | 3.5    | 3.5    | 3.5    | 2.4    | 1.2    | 1.2    | 1.2   |
| 100°   | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 2.4    | 1.2    | 1.2    | 1.2    | 1.2   |
| 102.5° | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2    | 1.2   |
| 105°   | 0.0    | 0.0    | 0.0    | 1.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2   |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |
| 110°   | 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):**

|        | 0°  | 5°  | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 0.0 | 1.2 | 1.2 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 | 368.7 |
| 2.5°   | 362.8 | 364.0 | 365.2 | 367.5 | 367.5 | 371.1 | 372.3 | 373.4 | 374.6 | 374.6 |
| 5°     | 353.3 | 354.5 | 358.1 | 360.4 | 364.0 | 366.3 | 369.9 | 371.1 | 372.3 | 373.4 |
| 7.5°   | 335.6 | 338.0 | 341.5 | 342.7 | 347.4 | 351.0 | 354.5 | 358.1 | 359.3 | 361.6 |
| 10°    | 317.9 | 319.1 | 320.3 | 323.8 | 326.2 | 330.9 | 335.6 | 338.0 | 340.3 | 340.3 |
| 12.5°  | 304.9 | 306.1 | 307.3 | 308.4 | 312.0 | 314.4 | 319.1 | 321.4 | 322.6 | 325.0 |
| 15°    | 296.6 | 296.6 | 299.0 | 299.0 | 301.4 | 304.9 | 307.3 | 310.8 | 312.0 | 314.4 |
| 17.5°  | 294.3 | 294.3 | 295.4 | 296.6 | 299.0 | 300.2 | 302.5 | 306.1 | 307.3 | 308.4 |
| 20°    | 295.4 | 296.6 | 296.6 | 297.8 | 300.2 | 301.4 | 303.7 | 304.9 | 306.1 | 307.3 |
| 22.5°  | 301.4 | 300.2 | 301.4 | 301.4 | 302.5 | 304.9 | 307.3 | 309.6 | 310.8 | 310.8 |
| 25°    | 309.6 | 308.4 | 308.4 | 310.8 | 312.0 | 313.2 | 316.7 | 317.9 | 319.1 | 319.1 |
| 27.5°  | 323.8 | 322.6 | 323.8 | 323.8 | 325.0 | 325.0 | 328.5 | 328.5 | 329.7 | 330.9 |
| 30°    | 338.0 | 334.4 | 334.4 | 334.4 | 335.6 | 338.0 | 339.2 | 341.5 | 342.7 | 342.7 |
| 32.5°  | 359.3 | 352.2 | 351.0 | 352.2 | 352.2 | 353.3 | 356.9 | 355.7 | 358.1 | 356.9 |
| 35°    | 386.4 | 379.3 | 377.0 | 377.0 | 377.0 | 377.0 | 380.5 | 378.2 | 380.5 | 379.3 |
| 37.5°  | 419.5 | 410.1 | 408.9 | 408.9 | 406.5 | 407.7 | 408.9 | 406.5 | 405.3 | 406.5 |
| 40°    | 455.0 | 438.4 | 437.3 | 438.4 | 438.4 | 438.4 | 438.4 | 437.3 | 436.1 | 437.3 |
| 42.5°  | 438.4 | 372.3 | 380.5 | 392.3 | 404.2 | 418.3 | 421.9 | 431.3 | 432.5 | 432.5 |
| 45°    | 382.9 | 215.1 | 226.9 | 244.6 | 251.7 | 256.4 | 269.4 | 289.5 | 295.4 | 296.6 |
| 47.5°  | 338.0 | 72.1  | 76.8  | 83.9  | 95.7  | 101.6 | 102.8 | 117.0 | 122.9 | 111.1 |
| 50°    | 334.4 | 16.5  | 11.8  | 11.8  | 13.0  | 10.6  | 10.6  | 11.8  | 11.8  | 11.8  |
| 52.5°  | 365.2 | 15.4  | 10.6  | 9.5   | 9.5   | 9.5   | 8.3   | 9.5   | 9.5   | 9.5   |
| 55°    | 397.1 | 15.4  | 10.6  | 9.5   | 9.5   | 9.5   | 8.3   | 8.3   | 8.3   | 8.3   |
| 57.5°  | 423.1 | 15.4  | 10.6  | 9.5   | 9.5   | 8.3   | 7.1   | 7.1   | 7.1   | 7.1   |
| 60°    | 453.8 | 15.4  | 10.6  | 9.5   | 9.5   | 7.1   | 5.9   | 5.9   | 5.9   | 5.9   |
| 62.5°  | 479.8 | 16.5  | 10.6  | 9.5   | 8.3   | 5.9   | 5.9   | 5.9   | 5.9   | 5.9   |
| 65°    | 517.6 | 16.5  | 10.6  | 8.3   | 5.9   | 4.7   | 4.7   | 4.7   | 4.7   | 4.7   |
| 67.5°  | 535.3 | 16.5  | 9.5   | 7.1   | 4.7   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 70°    | 482.2 | 13.0  | 7.1   | 4.7   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   | 3.5   |
| 72.5°  | 412.4 | 9.5   | 4.7   | 3.5   | 2.4   | 2.4   | 2.4   | 2.4   | 2.4   | 1.2   |
| 75°    | 328.5 | 5.9   | 2.4   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 77.5°  | 230.4 | 4.7   | 2.4   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 80°    | 95.7  | 3.5   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 82.5°  | 14.2  | 2.4   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 85°    | 4.7   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5°  | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 90°    | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 1.2   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 110°   | 1.2   | 1.2   | 1.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

REPORT NUMBER: P691087

CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-7040-U0-DS-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

|        | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|-----|------|------|------|------|------|------|------|------|------|
| 112.5° | 1.2 | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 1.2 | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 1.2 | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0 | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 1.2 | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 1.2 | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 1.2 | 1.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 1.2 | 1.2  | 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  |

(END OF REPORT)