

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: P691114

Luminaire Tested: **CRTK2-C013-D-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7040-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2493.9 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B1 - U3 - G1

Input Watts (W): 20.4  
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



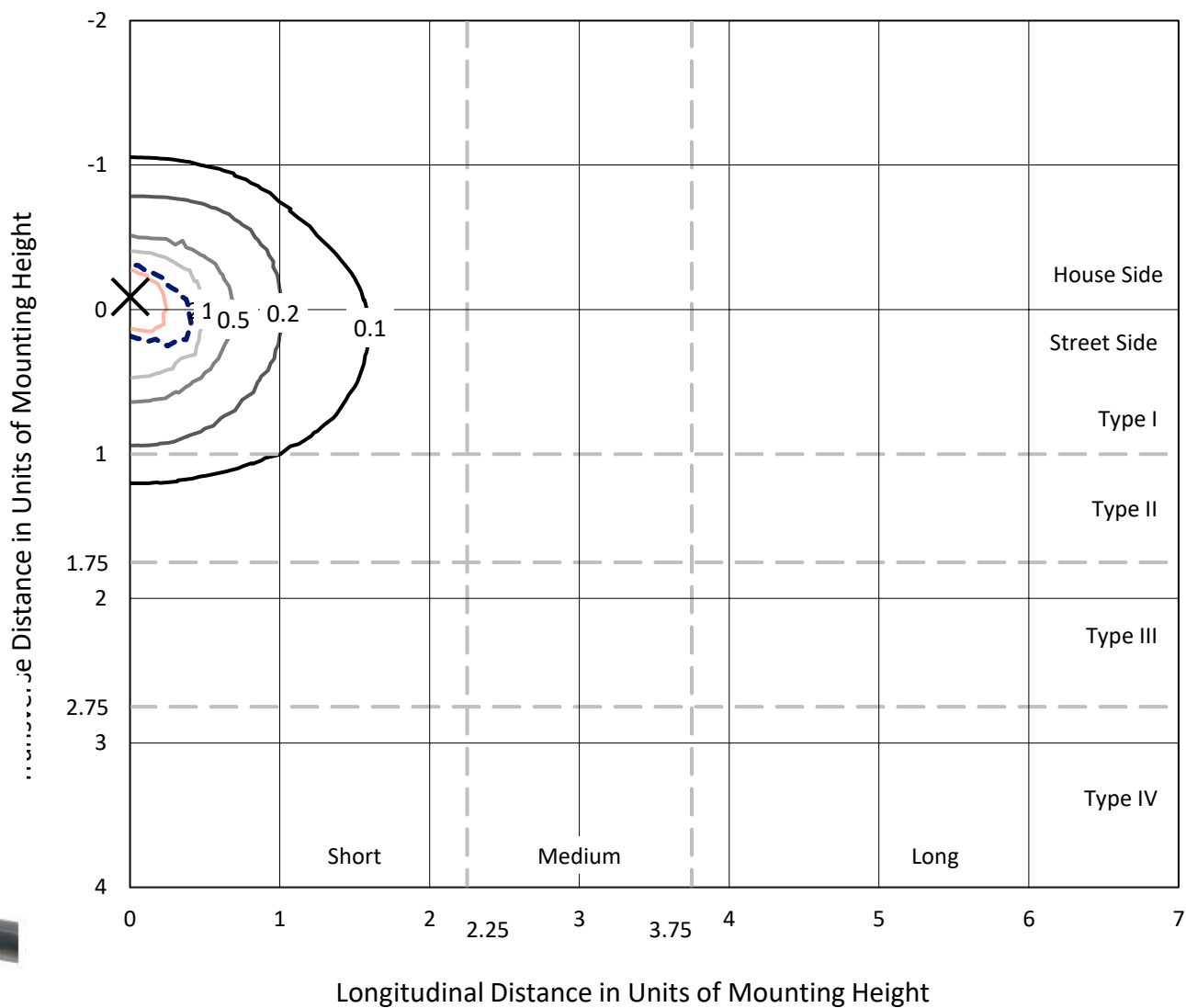
REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



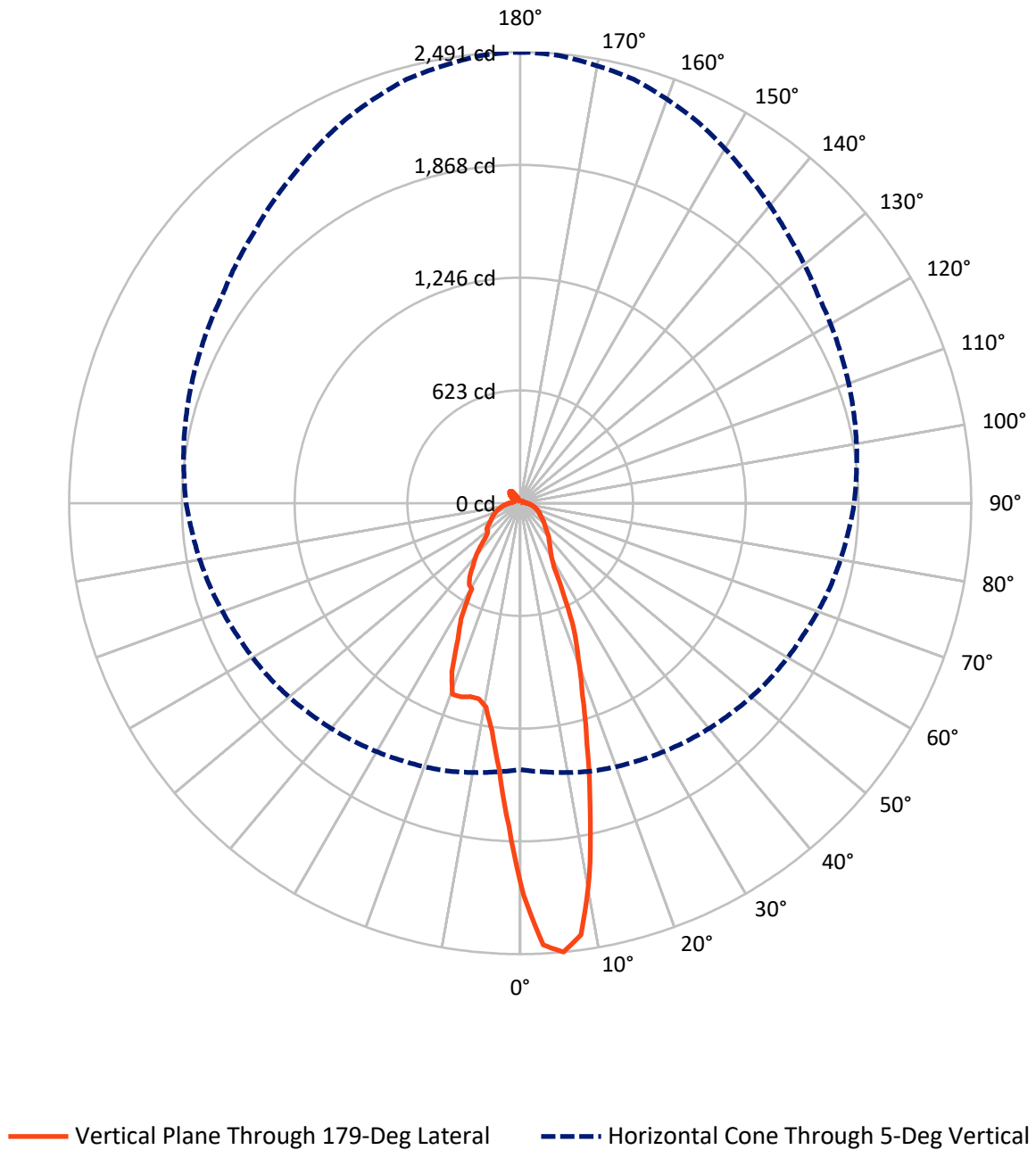
Based on 25 foot mounting height. Maximum calculated value = 3.8 fc

Type I - Short - N/A

REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

## Luminous Intensity Polar Plot



REPORT NUMBER: P691114

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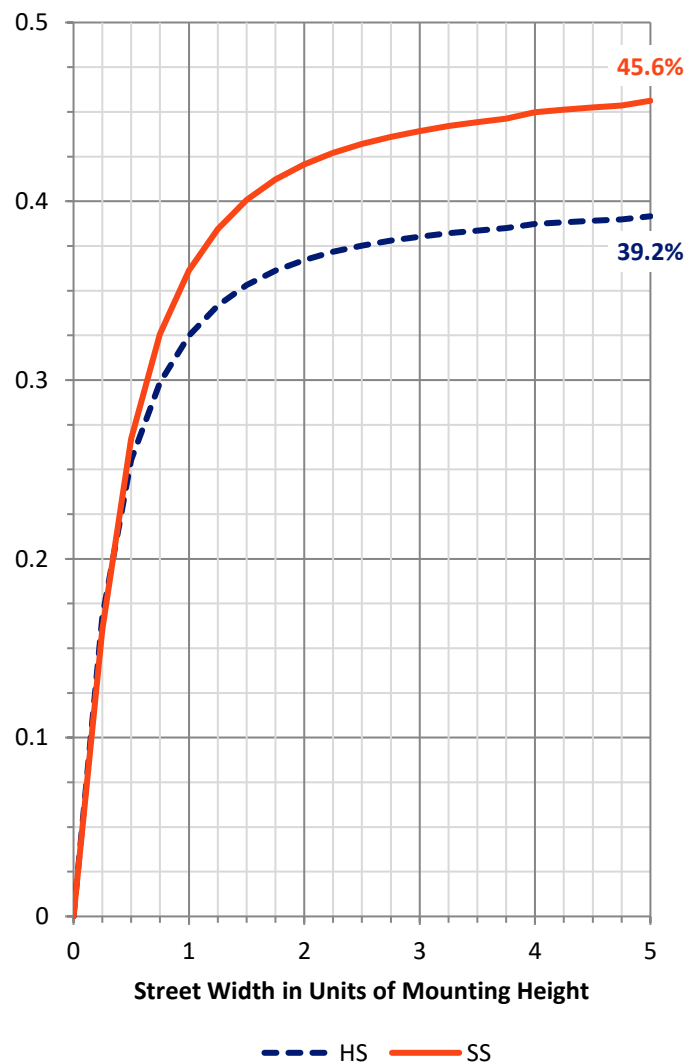
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1003.6   | 122.0  | 1125.6 |
|                    | % Fixture | 40.2     | 4.9    | 45.1   |
| <b>Street Side</b> | Lumens    | 1164.8   | 203.5  | 1368.3 |
|                    | % Fixture | 46.7     | 8.2    | 54.9   |
| <b>Total</b>       | Lumens    | 2168.4   | 325.5  | 2493.9 |
|                    | % Fixture | 86.9     | 13.1   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 169.2  | 6.8       |
| 10°-20°   | 361.0  | 14.5      |
| 20°-30°   | 392.2  | 15.7      |
| 30°-40°   | 290.2  | 11.6      |
| 40°-50°   | 243.1  | 9.7       |
| 50°-60°   | 244.4  | 9.8       |
| 60°-70°   | 208.0  | 8.3       |
| 70°-80°   | 155.4  | 6.2       |
| 80°-90°   | 104.9  | 4.2       |
| 90°-100°  | 62.7   | 2.5       |
| 100°-110° | 36.2   | 1.5       |
| 110°-120° | 33.3   | 1.3       |
| 120°-130° | 48.2   | 1.9       |
| 130°-140° | 66.0   | 2.6       |
| 140°-150° | 54.4   | 2.2       |
| 150°-160° | 21.9   | 0.9       |
| 160°-170° | 2.7    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2168.4 | 86.9      |
| 0°-180°   | 2493.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P691114

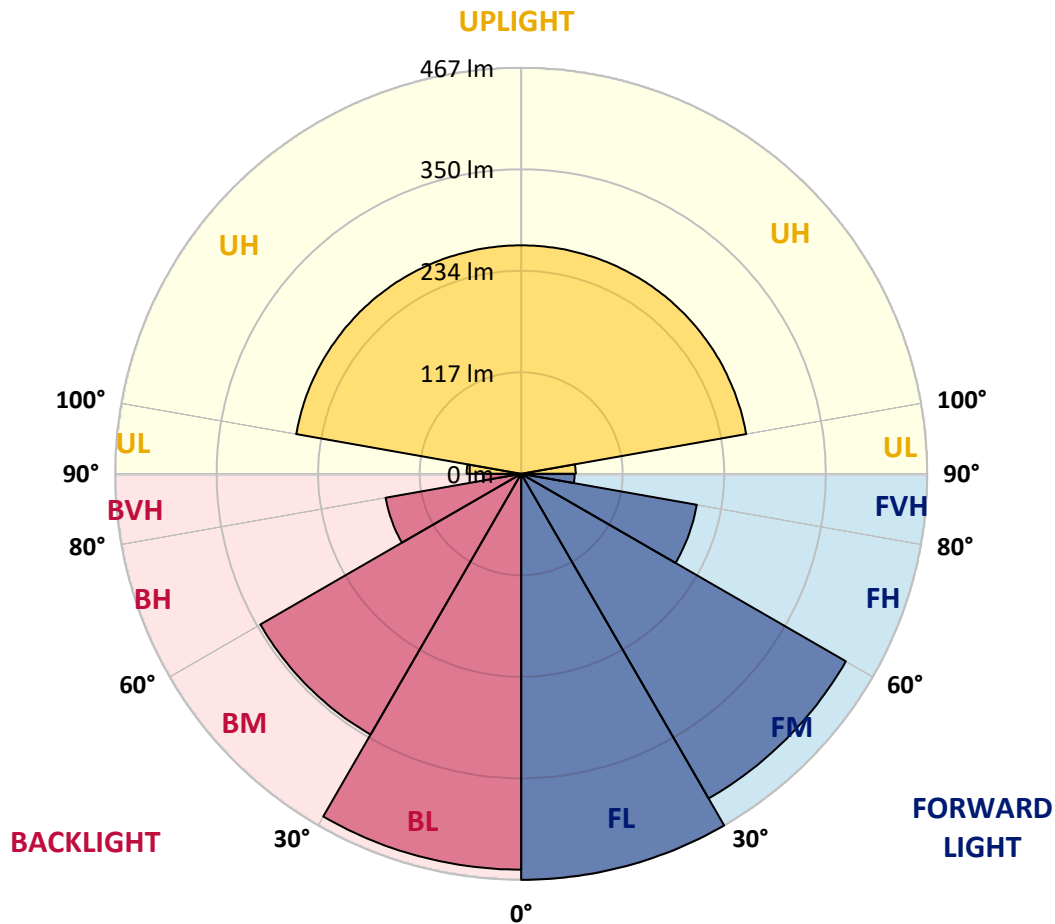
CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 467.0  | 18.7      |                         |        |        |
| FM   | (30°-60°)   | 431.3  | 17.3      |                         |        |        |
| FH   | (60°-80°)   | 205.1  | 8.2       |                         |        | G0/660 |
| FVH  | (80°-90°)   | 61.4   | 2.5       |                         |        | G1/100 |
| BL   | (0°-30°)    | 455.3  | 18.3      | B1/500                  |        |        |
| BM   | (30°-60°)   | 346.4  | 13.9      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 158.3  | 6.3       | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 43.5   | 1.7       |                         |        | G1/100 |
| UL   | (90°-100°)  | 62.7   | 2.5       |                         | U3/500 |        |
| UH   | (100°-180°) | 262.8  | 10.5      |                         | U3/500 |        |

**BUG Rating: B1-U3-G1**

Type I Short



REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 |
| 2.5°   | 1784.1 | 1794.1 | 1816.1 | 1827.1 | 1838.1 | 1852.2 | 1873.2 | 1889.2 | 1926.2 | 1960.2 | 1974.2 |
| 5°     | 1472.1 | 1490.1 | 1532.1 | 1566.1 | 1604.1 | 1644.1 | 1687.1 | 1725.1 | 1774.1 | 1819.1 | 1845.2 |
| 7.5°   | 1265.1 | 1280.1 | 1330.1 | 1396.1 | 1463.1 | 1519.1 | 1563.1 | 1592.1 | 1614.1 | 1632.1 | 1651.1 |
| 10°    | 1139.1 | 1152.1 | 1202.1 | 1261.1 | 1318.1 | 1370.1 | 1407.1 | 1435.1 | 1443.1 | 1461.1 | 1470.1 |
| 12.5°  | 1103.1 | 1109.1 | 1144.1 | 1185.1 | 1220.1 | 1271.1 | 1315.1 | 1345.1 | 1358.1 | 1374.1 | 1379.1 |
| 15°    | 1104.1 | 1104.1 | 1124.1 | 1150.1 | 1182.1 | 1221.1 | 1270.1 | 1306.1 | 1325.1 | 1334.1 | 1333.1 |
| 17.5°  | 1119.1 | 1118.1 | 1127.1 | 1148.1 | 1175.1 | 1214.1 | 1264.1 | 1301.1 | 1323.1 | 1326.1 | 1323.1 |
| 20°    | 1119.1 | 1120.1 | 1123.1 | 1147.1 | 1173.1 | 1208.1 | 1259.1 | 1290.1 | 1307.1 | 1298.1 | 1288.1 |
| 22.5°  | 1005.1 | 1004.1 | 1030.1 | 1081.1 | 1151.1 | 1224.1 | 1270.1 | 1308.1 | 1312.1 | 1279.1 | 1252.1 |
| 25°    | 830.1  | 823.1  | 838.1  | 861.1  | 908.1  | 993.1  | 1089.1 | 1233.1 | 1319.1 | 1300.1 | 1259.1 |
| 27.5°  | 720.1  | 711.1  | 724.1  | 714.1  | 709.1  | 703.1  | 697.1  | 680.1  | 691.1  | 701.1  | 745.1  |
| 30°    | 543.0  | 545.0  | 548.0  | 554.0  | 566.0  | 590.0  | 615.1  | 630.1  | 643.1  | 669.1  | 666.1  |
| 32.5°  | 531.0  | 530.0  | 531.0  | 537.0  | 543.0  | 558.0  | 573.0  | 581.0  | 591.0  | 616.1  | 610.0  |
| 35°    | 491.0  | 489.0  | 496.0  | 499.0  | 498.0  | 502.0  | 517.0  | 526.0  | 535.0  | 551.0  | 545.0  |
| 37.5°  | 432.0  | 434.0  | 449.0  | 457.0  | 460.0  | 469.0  | 481.0  | 489.0  | 500.0  | 512.0  | 509.0  |
| 40°    | 388.0  | 387.0  | 403.0  | 414.0  | 421.0  | 435.0  | 453.0  | 465.0  | 483.0  | 493.0  | 486.0  |
| 42.5°  | 334.0  | 338.0  | 350.0  | 361.0  | 363.0  | 370.0  | 386.0  | 400.0  | 422.0  | 437.0  | 433.0  |
| 45°    | 281.0  | 284.0  | 294.0  | 303.0  | 310.0  | 319.0  | 331.0  | 343.0  | 361.0  | 373.0  | 372.0  |
| 47.5°  | 248.0  | 251.0  | 259.0  | 270.0  | 280.0  | 293.0  | 305.0  | 317.0  | 334.0  | 343.0  | 340.0  |
| 50°    | 235.0  | 237.0  | 246.0  | 258.0  | 273.0  | 289.0  | 305.0  | 318.0  | 334.0  | 340.0  | 335.0  |
| 52.5°  | 234.0  | 234.0  | 245.0  | 263.0  | 284.0  | 306.0  | 327.0  | 345.0  | 360.0  | 360.0  | 350.0  |
| 55°    | 220.0  | 222.0  | 236.0  | 260.0  | 292.0  | 328.0  | 365.0  | 399.0  | 419.0  | 415.0  | 396.0  |
| 57.5°  | 200.0  | 201.0  | 216.0  | 239.0  | 273.0  | 317.0  | 367.0  | 410.0  | 434.0  | 439.0  | 419.0  |
| 60°    | 188.0  | 189.0  | 199.0  | 221.0  | 250.0  | 285.0  | 331.0  | 365.0  | 389.0  | 404.0  | 388.0  |
| 62.5°  | 178.0  | 178.0  | 188.0  | 203.0  | 227.0  | 253.0  | 279.0  | 302.0  | 321.0  | 332.0  | 323.0  |
| 65°    | 167.0  | 167.0  | 174.0  | 188.0  | 207.0  | 232.0  | 252.0  | 269.0  | 286.0  | 294.0  | 286.0  |
| 67.5°  | 156.0  | 156.0  | 163.0  | 176.0  | 193.0  | 214.0  | 234.0  | 250.0  | 267.0  | 273.0  | 267.0  |
| 70°    | 145.0  | 145.0  | 152.0  | 163.0  | 179.0  | 199.0  | 214.0  | 231.0  | 247.0  | 251.0  | 246.0  |
| 72.5°  | 134.0  | 134.0  | 141.0  | 151.0  | 165.0  | 184.0  | 198.0  | 211.0  | 226.0  | 229.0  | 224.0  |
| 75°    | 124.0  | 124.0  | 129.0  | 139.0  | 152.0  | 169.0  | 183.0  | 195.0  | 207.0  | 207.0  | 203.0  |
| 77.5°  | 113.0  | 114.0  | 118.0  | 127.0  | 139.0  | 155.0  | 168.0  | 179.0  | 189.0  | 189.0  | 184.0  |
| 80°    | 102.0  | 103.0  | 107.0  | 115.0  | 126.0  | 141.0  | 153.0  | 163.0  | 172.0  | 172.0  | 167.0  |
| 82.5°  | 91.0   | 92.0   | 96.0   | 103.0  | 113.0  | 127.0  | 139.0  | 149.0  | 157.0  | 156.0  | 151.0  |
| 85°    | 81.0   | 82.0   | 85.0   | 91.0   | 100.0  | 114.0  | 125.0  | 134.0  | 141.0  | 140.0  | 136.0  |
| 87.5°  | 71.0   | 72.0   | 75.0   | 80.0   | 88.0   | 101.0  | 112.0  | 120.0  | 126.0  | 125.0  | 121.0  |
| 90°    | 62.0   | 62.0   | 65.0   | 70.0   | 77.0   | 88.0   | 98.0   | 105.0  | 111.0  | 109.0  | 105.0  |
| 92.5°  | 54.0   | 55.0   | 57.0   | 61.0   | 67.0   | 77.0   | 86.0   | 92.0   | 98.0   | 97.0   | 93.0   |
| 95°    | 48.0   | 48.0   | 50.0   | 53.0   | 58.0   | 66.0   | 75.0   | 80.0   | 84.0   | 84.0   | 81.0   |
| 97.5°  | 42.0   | 43.0   | 44.0   | 46.0   | 50.0   | 56.0   | 63.0   | 68.0   | 71.0   | 71.0   | 69.0   |
| 100°   | 38.0   | 39.0   | 39.0   | 41.0   | 43.0   | 47.0   | 52.0   | 56.0   | 59.0   | 59.0   | 58.0   |
| 102.5° | 36.0   | 36.0   | 36.0   | 37.0   | 38.0   | 40.0   | 43.0   | 45.0   | 47.0   | 48.0   | 47.0   |
| 105°   | 34.0   | 34.0   | 34.0   | 35.0   | 35.0   | 37.0   | 38.0   | 40.0   | 41.0   | 41.0   | 40.0   |
| 107.5° | 33.0   | 33.0   | 34.0   | 34.0   | 34.0   | 35.0   | 37.0   | 37.0   | 38.0   | 37.0   | 37.0   |
| 110°   | 34.0   | 34.0   | 34.0   | 34.0   | 34.0   | 35.0   | 36.0   | 36.0   | 36.0   | 36.0   | 35.0   |

REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 35.0 | 35.0 | 35.0 | 35.0  | 36.0  | 36.0  | 36.0  | 37.0  | 37.0  | 36.0  | 36.0  |
| 115°   | 38.0 | 38.0 | 38.0 | 38.0  | 38.0  | 39.0  | 39.0  | 39.0  | 39.0  | 38.0  | 37.0  |
| 117.5° | 41.0 | 41.0 | 41.0 | 42.0  | 42.0  | 43.0  | 42.0  | 43.0  | 42.0  | 41.0  | 41.0  |
| 120°   | 46.0 | 46.0 | 47.0 | 48.0  | 49.0  | 49.0  | 48.0  | 49.0  | 49.0  | 47.0  | 46.0  |
| 122.5° | 52.0 | 52.0 | 53.0 | 56.0  | 57.0  | 58.0  | 57.0  | 57.0  | 57.0  | 55.0  | 54.0  |
| 125°   | 58.0 | 59.0 | 61.0 | 65.0  | 68.0  | 70.0  | 68.0  | 69.0  | 69.0  | 66.0  | 65.0  |
| 127.5° | 65.0 | 66.0 | 70.0 | 76.0  | 81.0  | 83.0  | 82.0  | 83.0  | 84.0  | 79.0  | 77.0  |
| 130°   | 72.0 | 72.0 | 78.0 | 87.0  | 94.0  | 97.0  | 98.0  | 99.0  | 100.0 | 95.0  | 91.0  |
| 132.5° | 78.0 | 78.0 | 86.0 | 97.0  | 106.0 | 111.0 | 113.0 | 115.0 | 117.0 | 110.0 | 105.0 |
| 135°   | 82.0 | 83.0 | 93.0 | 106.0 | 117.0 | 124.0 | 127.0 | 129.0 | 132.0 | 124.0 | 118.0 |
| 137.5° | 85.0 | 87.0 | 97.0 | 111.0 | 123.0 | 133.0 | 139.0 | 142.0 | 144.0 | 136.0 | 128.0 |
| 140°   | 86.0 | 87.0 | 98.0 | 112.0 | 124.0 | 135.0 | 144.0 | 149.0 | 150.0 | 142.0 | 134.0 |
| 142.5° | 83.0 | 85.0 | 95.0 | 109.0 | 121.0 | 133.0 | 143.0 | 148.0 | 149.0 | 142.0 | 134.0 |
| 145°   | 79.0 | 80.0 | 89.0 | 102.0 | 114.0 | 127.0 | 138.0 | 143.0 | 143.0 | 137.0 | 129.0 |
| 147.5° | 72.0 | 73.0 | 81.0 | 92.0  | 104.0 | 117.0 | 128.0 | 133.0 | 134.0 | 128.0 | 121.0 |
| 150°   | 62.0 | 63.0 | 69.0 | 78.0  | 90.0  | 103.0 | 113.0 | 119.0 | 119.0 | 113.0 | 108.0 |
| 152.5° | 50.0 | 51.0 | 56.0 | 63.0  | 73.0  | 85.0  | 94.0  | 100.0 | 100.0 | 96.0  | 90.0  |
| 155°   | 39.0 | 39.0 | 43.0 | 49.0  | 56.0  | 65.0  | 72.0  | 77.0  | 78.0  | 74.0  | 70.0  |
| 157.5° | 28.0 | 28.0 | 31.0 | 36.0  | 42.0  | 49.0  | 54.0  | 58.0  | 58.0  | 55.0  | 53.0  |
| 160°   | 19.0 | 19.0 | 21.0 | 24.0  | 28.0  | 33.0  | 37.0  | 41.0  | 41.0  | 39.0  | 37.0  |
| 162.5° | 10.0 | 10.0 | 12.0 | 14.0  | 17.0  | 21.0  | 23.0  | 26.0  | 26.0  | 25.0  | 24.0  |
| 165°   | 3.0  | 3.0  | 4.0  | 5.0   | 7.0   | 9.0   | 10.0  | 12.0  | 13.0  | 12.0  | 11.0  |
| 167.5° | 0.0  | 0.0  | 1.0  | 1.0   | 1.0   | 1.0   | 2.0   | 3.0   | 3.0   | 3.0   | 3.0   |
| 170°   | 0.0  | 0.0  | 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   |



REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 179°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 | 2164.2 |
| 2.5°   | 1989.2 | 2052.2 | 2109.2 | 2168.2 | 2241.2 | 2305.2 | 2374.2 | 2423.2 | 2444.2 | 2444.2 | 2452.2 |
| 5°     | 1864.2 | 1908.2 | 1954.2 | 2006.2 | 2093.2 | 2200.2 | 2323.2 | 2424.2 | 2482.2 | 2491.2 | 2490.2 |
| 7.5°   | 1657.1 | 1687.1 | 1734.1 | 1792.1 | 1872.2 | 1968.2 | 2126.2 | 2284.2 | 2389.2 | 2408.2 | 2401.2 |
| 10°    | 1475.1 | 1503.1 | 1531.1 | 1553.1 | 1610.1 | 1686.1 | 1802.1 | 1956.2 | 2077.2 | 2096.2 | 2081.2 |
| 12.5°  | 1382.1 | 1391.1 | 1390.1 | 1403.1 | 1426.1 | 1464.1 | 1523.1 | 1612.1 | 1695.1 | 1713.1 | 1700.1 |
| 15°    | 1333.1 | 1320.1 | 1300.1 | 1277.1 | 1275.1 | 1281.1 | 1296.1 | 1332.1 | 1367.1 | 1382.1 | 1372.1 |
| 17.5°  | 1313.1 | 1282.1 | 1241.1 | 1196.1 | 1166.1 | 1138.1 | 1119.1 | 1107.1 | 1112.1 | 1113.1 | 1105.1 |
| 20°    | 1266.1 | 1229.1 | 1163.1 | 1099.1 | 1051.1 | 1002.1 | 960.1  | 929.1  | 924.1  | 919.1  | 913.1  |
| 22.5°  | 1213.1 | 1150.1 | 1071.1 | 993.1  | 922.1  | 857.1  | 810.1  | 773.1  | 759.1  | 764.1  | 761.1  |
| 25°    | 1202.1 | 1097.1 | 1001.1 | 875.1  | 785.1  | 712.1  | 624.1  | 564.0  | 537.0  | 552.0  | 542.0  |
| 27.5°  | 721.1  | 724.1  | 670.1  | 594.0  | 529.0  | 486.0  | 447.0  | 415.0  | 397.0  | 397.0  | 399.0  |
| 30°    | 653.1  | 624.1  | 588.0  | 541.0  | 484.0  | 441.0  | 398.0  | 363.0  | 344.0  | 339.0  | 341.0  |
| 32.5°  | 597.0  | 577.0  | 543.0  | 498.0  | 446.0  | 402.0  | 357.0  | 325.0  | 307.0  | 306.0  | 305.0  |
| 35°    | 537.0  | 516.0  | 488.0  | 449.0  | 404.0  | 363.0  | 324.0  | 296.0  | 280.0  | 281.0  | 281.0  |
| 37.5°  | 496.0  | 477.0  | 452.0  | 415.0  | 374.0  | 333.0  | 298.0  | 272.0  | 259.0  | 259.0  | 258.0  |
| 40°    | 475.0  | 453.0  | 426.0  | 392.0  | 354.0  | 311.0  | 278.0  | 253.0  | 242.0  | 242.0  | 241.0  |
| 42.5°  | 429.0  | 410.0  | 392.0  | 357.0  | 319.0  | 284.0  | 253.0  | 231.0  | 220.0  | 220.0  | 220.0  |
| 45°    | 364.0  | 353.0  | 339.0  | 315.0  | 284.0  | 255.0  | 229.0  | 208.0  | 199.0  | 198.0  | 198.0  |
| 47.5°  | 336.0  | 324.0  | 307.0  | 285.0  | 260.0  | 233.0  | 208.0  | 193.0  | 184.0  | 184.0  | 184.0  |
| 50°    | 328.0  | 314.0  | 291.0  | 265.0  | 239.0  | 215.0  | 193.0  | 179.0  | 171.0  | 171.0  | 172.0  |
| 52.5°  | 339.0  | 316.0  | 285.0  | 253.0  | 226.0  | 199.0  | 180.0  | 166.0  | 160.0  | 160.0  | 159.0  |
| 55°    | 377.0  | 334.0  | 289.0  | 250.0  | 216.0  | 187.0  | 167.0  | 152.0  | 145.0  | 145.0  | 145.0  |
| 57.5°  | 398.0  | 347.0  | 292.0  | 246.0  | 207.0  | 178.0  | 157.0  | 141.0  | 134.0  | 134.0  | 134.0  |
| 60°    | 374.0  | 332.0  | 280.0  | 238.0  | 200.0  | 170.0  | 148.0  | 133.0  | 126.0  | 125.0  | 124.0  |
| 62.5°  | 313.0  | 287.0  | 250.0  | 215.0  | 185.0  | 159.0  | 141.0  | 126.0  | 119.0  | 119.0  | 118.0  |
| 65°    | 279.0  | 257.0  | 225.0  | 195.0  | 170.0  | 148.0  | 131.0  | 119.0  | 112.0  | 111.0  | 111.0  |
| 67.5°  | 260.0  | 240.0  | 208.0  | 180.0  | 157.0  | 137.0  | 121.0  | 110.0  | 105.0  | 103.0  | 103.0  |
| 70°    | 239.0  | 217.0  | 189.0  | 164.0  | 143.0  | 125.0  | 112.0  | 101.0  | 96.0   | 95.0   | 94.0   |
| 72.5°  | 218.0  | 198.0  | 172.0  | 148.0  | 129.0  | 114.0  | 102.0  | 92.0   | 87.0   | 86.0   | 86.0   |
| 75°    | 196.0  | 177.0  | 152.0  | 132.0  | 116.0  | 102.0  | 91.0   | 83.0   | 79.0   | 78.0   | 77.0   |
| 77.5°  | 178.0  | 161.0  | 137.0  | 118.0  | 103.0  | 92.0   | 82.0   | 75.0   | 71.0   | 71.0   | 70.0   |
| 80°    | 161.0  | 145.0  | 122.0  | 105.0  | 92.0   | 81.0   | 73.0   | 67.0   | 64.0   | 63.0   | 63.0   |
| 82.5°  | 145.0  | 129.0  | 108.0  | 93.0   | 81.0   | 72.0   | 64.0   | 59.0   | 56.0   | 56.0   | 56.0   |
| 85°    | 130.0  | 115.0  | 96.0   | 82.0   | 71.0   | 63.0   | 56.0   | 51.0   | 49.0   | 48.0   | 49.0   |
| 87.5°  | 115.0  | 101.0  | 85.0   | 72.0   | 62.0   | 54.0   | 48.0   | 44.0   | 42.0   | 42.0   | 42.0   |
| 90°    | 101.0  | 88.0   | 73.0   | 61.0   | 53.0   | 46.0   | 41.0   | 37.0   | 36.0   | 35.0   | 35.0   |
| 92.5°  | 89.0   | 78.0   | 65.0   | 55.0   | 47.0   | 42.0   | 37.0   | 34.0   | 32.0   | 32.0   | 32.0   |
| 95°    | 78.0   | 68.0   | 58.0   | 49.0   | 43.0   | 38.0   | 34.0   | 31.0   | 30.0   | 30.0   | 30.0   |
| 97.5°  | 67.0   | 59.0   | 51.0   | 44.0   | 39.0   | 35.0   | 31.0   | 29.0   | 28.0   | 27.0   | 28.0   |
| 100°   | 56.0   | 50.0   | 44.0   | 39.0   | 35.0   | 31.0   | 28.0   | 26.0   | 25.0   | 25.0   | 25.0   |
| 102.5° | 45.0   | 42.0   | 37.0   | 33.0   | 30.0   | 28.0   | 25.0   | 23.0   | 22.0   | 22.0   | 22.0   |
| 105°   | 39.0   | 36.0   | 33.0   | 30.0   | 28.0   | 25.0   | 23.0   | 21.0   | 20.0   | 20.0   | 20.0   |
| 107.5° | 36.0   | 34.0   | 31.0   | 29.0   | 26.0   | 24.0   | 22.0   | 19.0   | 18.0   | 18.0   | 18.0   |
| 110°   | 35.0   | 33.0   | 31.0   | 28.0   | 26.0   | 24.0   | 22.0   | 18.0   | 17.0   | 17.0   | 17.0   |

REPORT NUMBER: P691114

CATALOG NUMBER: CRTK2-C013-D-U-T2-7040-RMARROA5

**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 179° | 180° |
|--------|-------|-------|------|------|------|------|------|------|------|------|------|
| 112.5° | 35.0  | 33.0  | 31.0 | 29.0 | 27.0 | 24.0 | 22.0 | 18.0 | 16.0 | 16.0 | 16.0 |
| 115°   | 37.0  | 35.0  | 33.0 | 31.0 | 28.0 | 25.0 | 23.0 | 18.0 | 16.0 | 16.0 | 16.0 |
| 117.5° | 40.0  | 38.0  | 36.0 | 33.0 | 30.0 | 27.0 | 23.0 | 18.0 | 17.0 | 17.0 | 17.0 |
| 120°   | 45.0  | 43.0  | 40.0 | 37.0 | 33.0 | 29.0 | 25.0 | 19.0 | 16.0 | 17.0 | 17.0 |
| 122.5° | 52.0  | 50.0  | 46.0 | 41.0 | 37.0 | 32.0 | 26.0 | 20.0 | 15.0 | 17.0 | 17.0 |
| 125°   | 62.0  | 59.0  | 53.0 | 47.0 | 41.0 | 35.0 | 28.0 | 21.0 | 16.0 | 18.0 | 18.0 |
| 127.5° | 73.0  | 69.0  | 61.0 | 53.0 | 46.0 | 38.0 | 30.0 | 22.0 | 17.0 | 18.0 | 18.0 |
| 130°   | 86.0  | 79.0  | 69.0 | 59.0 | 50.0 | 41.0 | 32.0 | 23.0 | 18.0 | 18.0 | 18.0 |
| 132.5° | 99.0  | 89.0  | 76.0 | 65.0 | 54.0 | 43.0 | 33.0 | 23.0 | 18.0 | 18.0 | 18.0 |
| 135°   | 110.0 | 98.0  | 83.0 | 69.0 | 56.0 | 44.0 | 34.0 | 23.0 | 18.0 | 18.0 | 18.0 |
| 137.5° | 120.0 | 104.0 | 87.0 | 71.0 | 57.0 | 44.0 | 33.0 | 23.0 | 17.0 | 17.0 | 17.0 |
| 140°   | 125.0 | 107.0 | 89.0 | 71.0 | 56.0 | 43.0 | 31.0 | 21.0 | 16.0 | 16.0 | 16.0 |
| 142.5° | 125.0 | 106.0 | 87.0 | 69.0 | 54.0 | 41.0 | 29.0 | 20.0 | 14.0 | 15.0 | 15.0 |
| 145°   | 121.0 | 102.0 | 83.0 | 65.0 | 50.0 | 37.0 | 26.0 | 17.0 | 13.0 | 13.0 | 13.0 |
| 147.5° | 112.0 | 94.0  | 76.0 | 59.0 | 45.0 | 32.0 | 23.0 | 15.0 | 11.0 | 10.0 | 11.0 |
| 150°   | 100.0 | 83.0  | 66.0 | 51.0 | 38.0 | 27.0 | 19.0 | 12.0 | 9.0  | 9.0  | 9.0  |
| 152.5° | 84.0  | 69.0  | 55.0 | 42.0 | 30.0 | 21.0 | 14.0 | 9.0  | 7.0  | 7.0  | 7.0  |
| 155°   | 66.0  | 54.0  | 43.0 | 32.0 | 23.0 | 16.0 | 11.0 | 7.0  | 5.0  | 5.0  | 5.0  |
| 157.5° | 50.0  | 41.0  | 32.0 | 23.0 | 17.0 | 12.0 | 8.0  | 5.0  | 4.0  | 4.0  | 4.0  |
| 160°   | 35.0  | 28.0  | 22.0 | 16.0 | 11.0 | 8.0  | 5.0  | 3.0  | 2.0  | 2.0  | 2.0  |
| 162.5° | 22.0  | 18.0  | 14.0 | 9.0  | 7.0  | 5.0  | 3.0  | 2.0  | 1.0  | 1.0  | 1.0  |
| 165°   | 10.0  | 9.0   | 6.0  | 4.0  | 3.0  | 2.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 3.0   | 2.0   | 2.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0   | 0.0   | 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)