

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: P691737

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7306 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

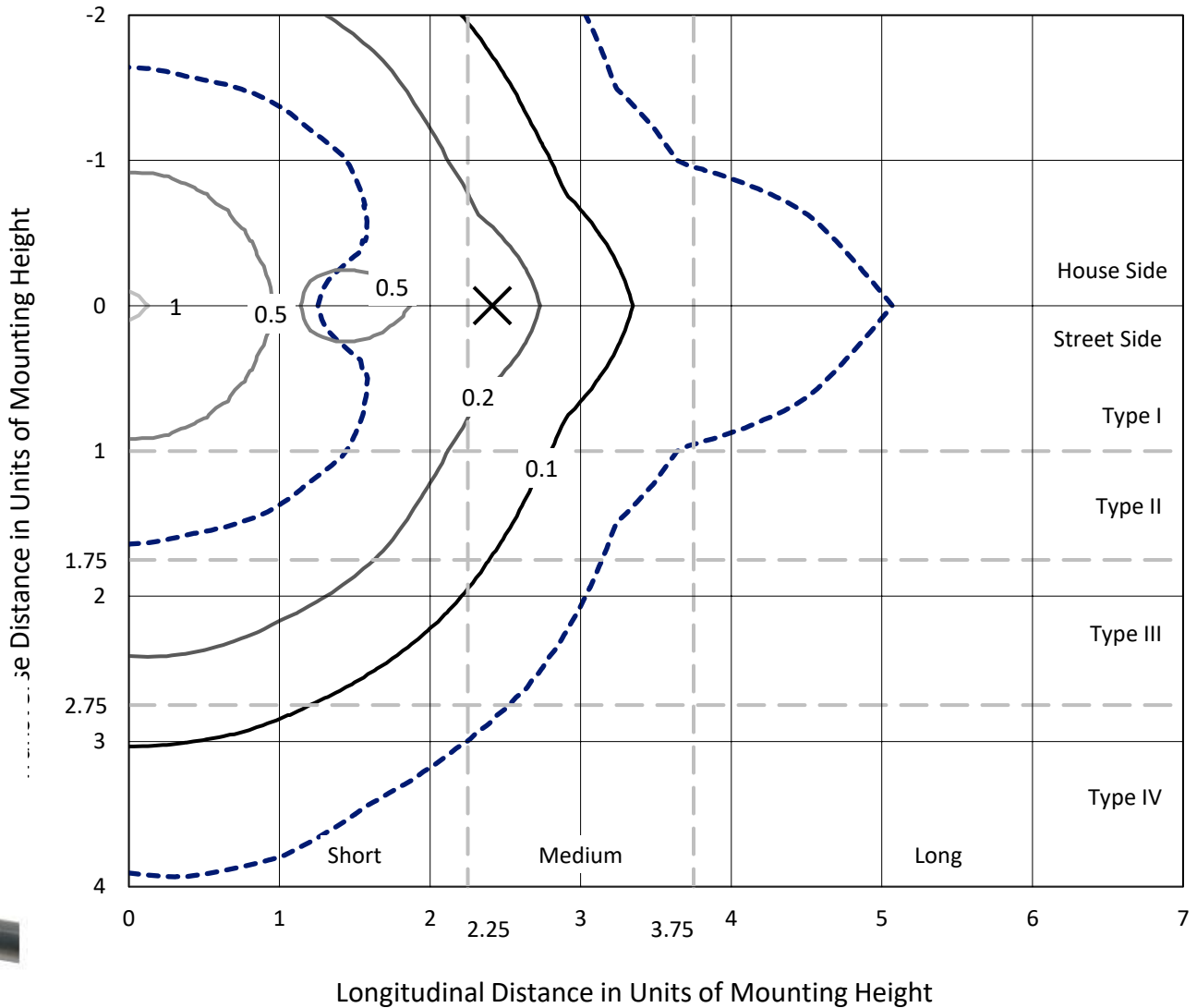
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691737
 CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

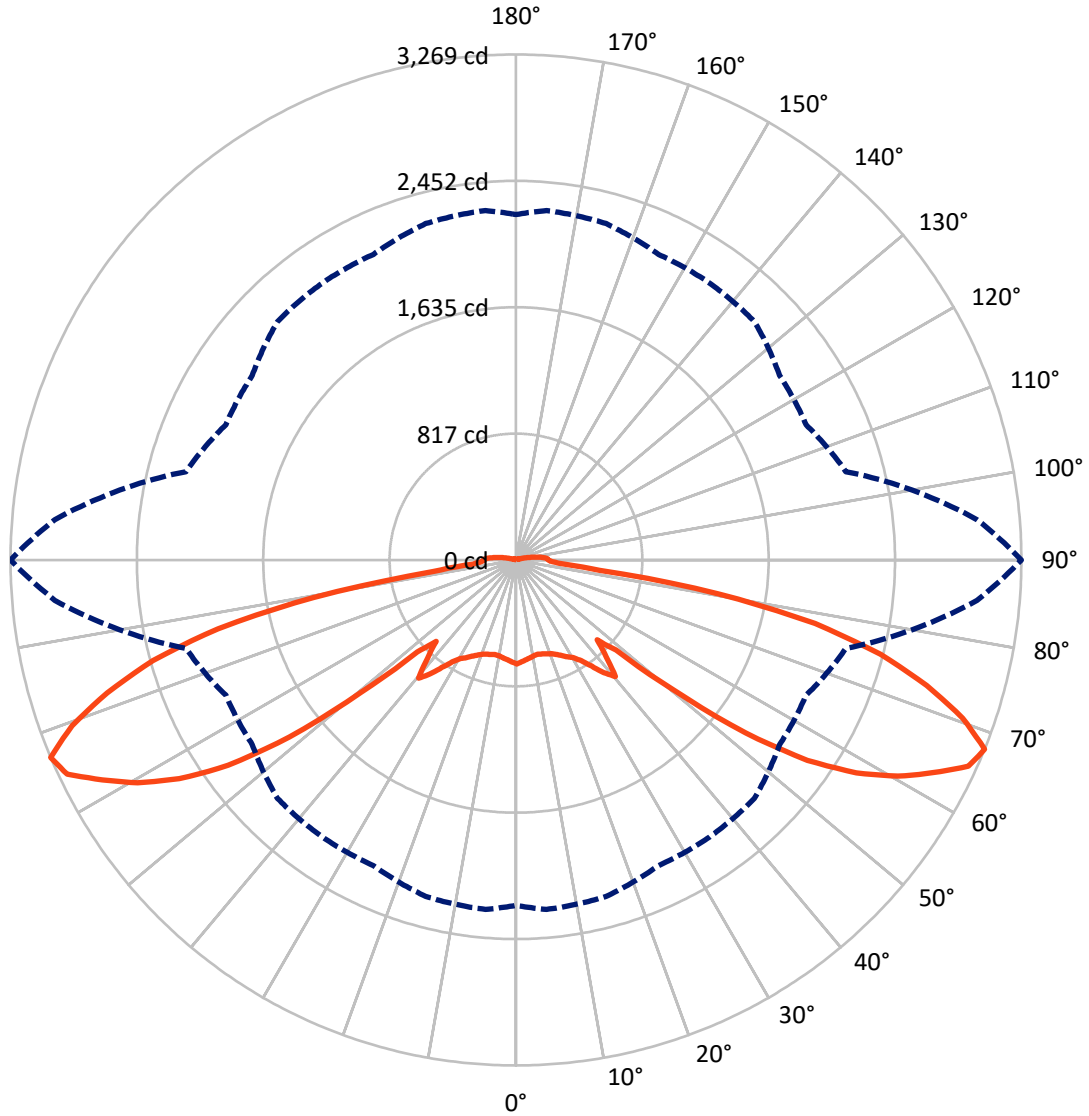
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

REPORT NUMBER: P691737
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P691737

CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

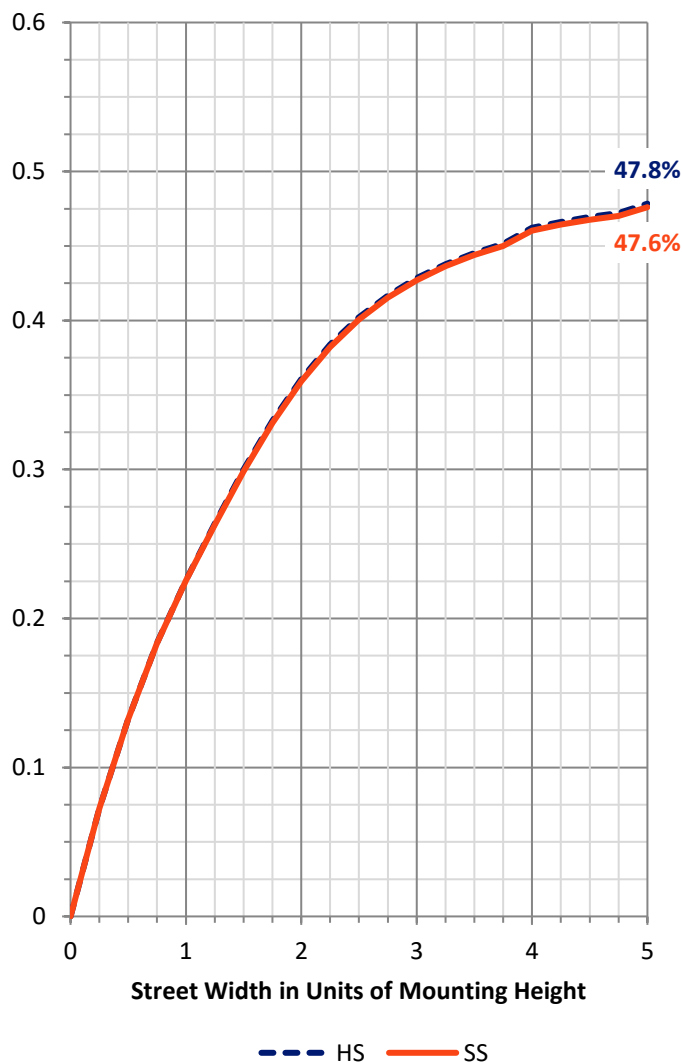
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3547.2 | 105.8 | 3653.0 |
| | % Fixture | 48.6 | 1.4 | 50.0 |
| Street Side | Lumens | 3547.2 | 105.8 | 3653.0 |
| | % Fixture | 48.6 | 1.4 | 50.0 |
| Total | Lumens | 7094.4 | 211.6 | 7306.0 |
| | % Fixture | 97.1 | 2.9 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 60.8 | 0.8 |
| 10°-20° | 173.4 | 2.4 |
| 20°-30° | 306.9 | 4.2 |
| 30°-40° | 517.7 | 7.1 |
| 40°-50° | 580.3 | 7.9 |
| 50°-60° | 1201.4 | 16.4 |
| 60°-70° | 2114.5 | 28.9 |
| 70°-80° | 1747.4 | 23.9 |
| 80°-90° | 392.0 | 5.4 |
| 90°-100° | 149.9 | 2.1 |
| 100°-110° | 42.4 | 0.6 |
| 110°-120° | 13.0 | 0.2 |
| 120°-130° | 5.9 | 0.1 |
| 130°-140° | 0.5 | 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° | 7094.4 | 97.1 |
| 0°-180° | 7306.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P691737

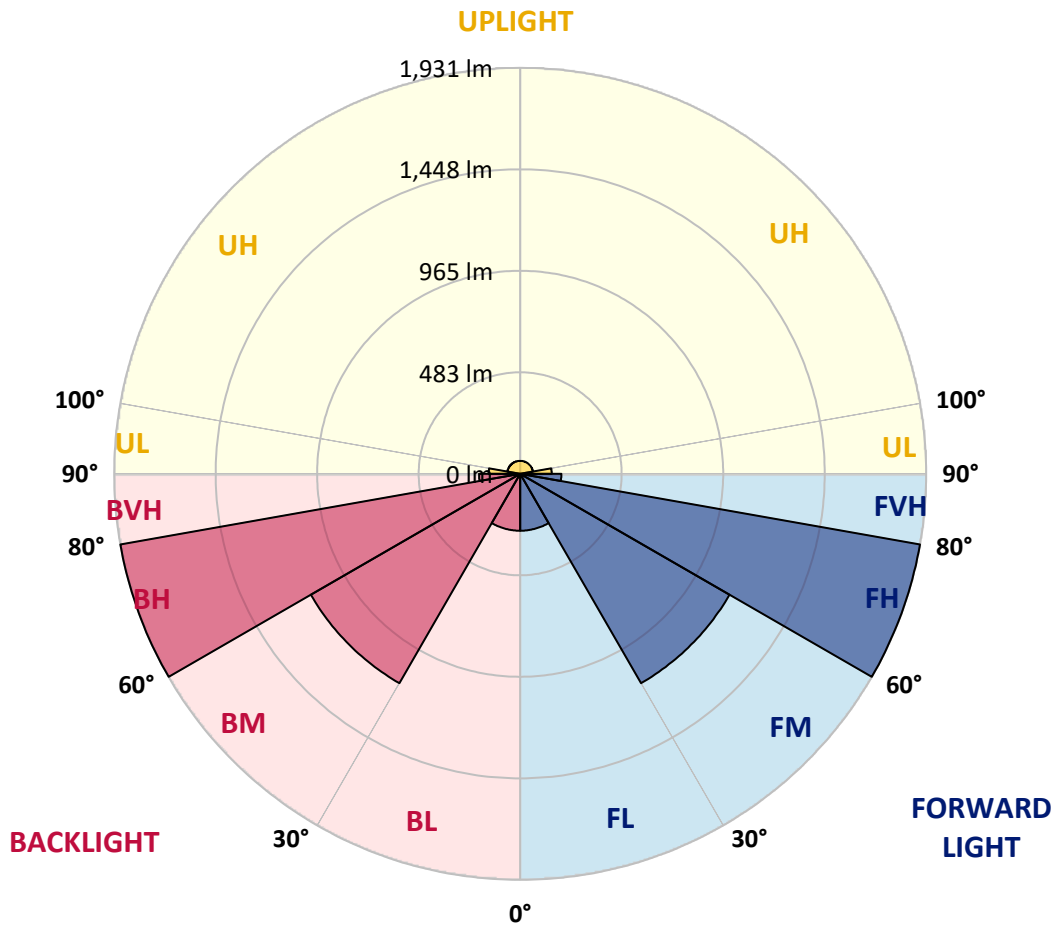
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 270.5 | 3.7 | | | |
| FM (30°-60°) | 1149.7 | 15.7 | | | |
| FH (60°-80°) | 1931.0 | 26.4 | | | G2/5000 |
| FVH (80°-90°) | 196.0 | 2.7 | | | G2/225 |
| BL (0°-30°) | 270.5 | 3.7 | B1/500 | | |
| BM (30°-60°) | 1149.7 | 15.7 | B2/2500 | | |
| BH (60°-80°) | 1931.0 | 26.4 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 196.0 | 2.7 | | | G2/225 |
| UL (90°-100°) | 149.9 | 2.1 | | U3/500 | |
| UH (100°-180°) | 61.8 | 0.8 | | U3/500 | |

BUG Rating: B3-U3-G2

Type V Short





REPORT NUMBER: P691737

CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 | 672.3 |
| 2.5° | 665.4 | 665.4 | 660.7 | 658.4 | 660.7 | 663.1 | 665.4 | 665.4 | 663.1 | 660.7 | 660.7 |
| 5° | 653.8 | 651.5 | 649.2 | 646.9 | 646.9 | 651.5 | 651.5 | 653.8 | 651.5 | 649.2 | 649.2 |
| 7.5° | 623.8 | 623.8 | 621.5 | 619.2 | 623.8 | 628.4 | 635.3 | 637.6 | 639.9 | 639.9 | 639.9 |
| 10° | 603.0 | 603.0 | 600.7 | 600.7 | 605.3 | 612.2 | 619.2 | 626.1 | 628.4 | 630.7 | 630.7 |
| 12.5° | 591.4 | 591.4 | 591.4 | 589.1 | 596.1 | 603.0 | 614.5 | 619.2 | 623.8 | 626.1 | 626.1 |
| 15° | 591.4 | 589.1 | 589.1 | 591.4 | 596.1 | 605.3 | 614.5 | 623.8 | 628.4 | 630.7 | 630.7 |
| 17.5° | 596.1 | 593.7 | 593.7 | 593.7 | 600.7 | 609.9 | 621.5 | 628.4 | 635.3 | 637.6 | 637.6 |
| 20° | 603.0 | 603.0 | 603.0 | 603.0 | 607.6 | 619.2 | 630.7 | 637.6 | 644.6 | 646.9 | 646.9 |
| 22.5° | 621.5 | 621.5 | 619.2 | 616.8 | 621.5 | 630.7 | 644.6 | 651.5 | 658.4 | 663.1 | 663.1 |
| 25° | 644.6 | 642.3 | 642.3 | 639.9 | 639.9 | 649.2 | 660.7 | 670.0 | 679.2 | 683.8 | 683.8 |
| 27.5° | 672.3 | 670.0 | 670.0 | 665.4 | 665.4 | 676.9 | 686.2 | 695.4 | 704.6 | 709.3 | 709.3 |
| 30° | 702.3 | 704.6 | 700.0 | 697.7 | 695.4 | 704.6 | 713.9 | 720.8 | 727.7 | 732.4 | 732.4 |
| 32.5° | 750.8 | 750.8 | 746.2 | 743.9 | 741.6 | 748.5 | 753.2 | 757.8 | 764.7 | 773.9 | 776.3 |
| 35° | 810.9 | 808.6 | 808.6 | 808.6 | 808.6 | 813.2 | 817.8 | 815.5 | 829.4 | 838.6 | 843.3 |
| 37.5° | 889.5 | 891.8 | 887.2 | 882.5 | 880.2 | 884.8 | 889.5 | 896.4 | 910.3 | 921.8 | 924.1 |
| 40° | 875.6 | 871.0 | 875.6 | 884.8 | 887.2 | 907.9 | 928.7 | 944.9 | 968.0 | 988.8 | 991.1 |
| 42.5° | 785.5 | 792.4 | 799.4 | 799.4 | 797.0 | 797.0 | 799.4 | 801.7 | 824.8 | 854.8 | 854.8 |
| 45° | 644.6 | 649.2 | 658.4 | 653.8 | 633.0 | 623.8 | 628.4 | 635.3 | 660.7 | 734.7 | 737.0 |
| 47.5° | 683.8 | 693.1 | 702.3 | 674.6 | 649.2 | 609.9 | 605.3 | 600.7 | 630.7 | 836.3 | 871.0 |
| 50° | 806.3 | 806.3 | 817.8 | 794.7 | 785.5 | 762.4 | 748.5 | 753.2 | 817.8 | 1245.2 | 1321.5 |
| 52.5° | 1048.9 | 1044.2 | 1072.0 | 1044.2 | 1035.0 | 986.5 | 933.4 | 961.1 | 1028.1 | 1702.7 | 1859.8 |
| 55° | 1273.0 | 1277.6 | 1305.3 | 1277.6 | 1252.2 | 1208.3 | 1136.7 | 1185.2 | 1275.3 | 2063.1 | 2287.2 |
| 57.5° | 1515.5 | 1522.5 | 1554.8 | 1501.7 | 1450.9 | 1427.8 | 1360.8 | 1411.6 | 1510.9 | 2296.4 | 2596.8 |
| 60° | 1767.4 | 1774.3 | 1790.5 | 1723.5 | 1677.3 | 1665.7 | 1589.5 | 1644.9 | 1765.1 | 2502.0 | 2839.3 |
| 62.5° | 2007.6 | 2014.6 | 2005.3 | 1940.6 | 1912.9 | 1915.2 | 1841.3 | 1880.6 | 2009.9 | 2742.3 | 3028.8 |
| 65° | 2160.1 | 2190.2 | 2183.2 | 2111.6 | 2102.4 | 2111.6 | 2033.1 | 2037.7 | 2171.7 | 2929.4 | 3215.9 |
| 67.5° | 2234.0 | 2268.7 | 2252.5 | 2180.9 | 2185.5 | 2180.9 | 2081.6 | 2070.0 | 2208.6 | 2994.1 | 3269.1 |
| 70° | 2160.1 | 2160.1 | 2148.6 | 2086.2 | 2083.9 | 2065.4 | 1991.5 | 1973.0 | 2081.6 | 2816.2 | 3065.8 |
| 72.5° | 1979.9 | 1979.9 | 1970.7 | 1899.1 | 1885.2 | 1871.3 | 1827.4 | 1795.1 | 1889.8 | 2529.8 | 2779.3 |
| 75° | 1718.9 | 1739.6 | 1728.1 | 1656.5 | 1640.3 | 1631.1 | 1601.0 | 1568.7 | 1654.2 | 2224.8 | 2435.0 |
| 77.5° | 1374.6 | 1397.7 | 1383.9 | 1330.7 | 1316.9 | 1321.5 | 1300.7 | 1282.2 | 1344.6 | 1783.5 | 1977.6 |
| 80° | 921.8 | 942.6 | 917.2 | 891.8 | 871.0 | 891.8 | 882.5 | 873.3 | 907.9 | 1136.7 | 1330.7 |
| 82.5° | 415.9 | 420.5 | 420.5 | 395.1 | 378.9 | 411.2 | 415.9 | 422.8 | 443.6 | 494.4 | 542.9 |
| 85° | 254.1 | 256.4 | 251.8 | 244.9 | 235.6 | 242.6 | 240.3 | 244.9 | 254.1 | 270.3 | 279.5 |
| 87.5° | 217.2 | 217.2 | 217.2 | 210.2 | 203.3 | 203.3 | 201.0 | 203.3 | 205.6 | 219.5 | 224.1 |
| 90° | 191.8 | 191.8 | 191.8 | 187.1 | 182.5 | 182.5 | 184.8 | 182.5 | 187.1 | 201.0 | 207.9 |
| 92.5° | 161.7 | 164.0 | 168.7 | 168.7 | 168.7 | 171.0 | 171.0 | 171.0 | 173.3 | 194.1 | 201.0 |
| 95° | 120.1 | 117.8 | 127.1 | 134.0 | 136.3 | 140.9 | 140.9 | 140.9 | 145.5 | 164.0 | 171.0 |
| 97.5° | 87.8 | 87.8 | 92.4 | 97.0 | 101.7 | 106.3 | 108.6 | 108.6 | 113.2 | 127.1 | 129.4 |
| 100° | 62.4 | 62.4 | 67.0 | 71.6 | 73.9 | 80.9 | 83.2 | 83.2 | 83.2 | 92.4 | 92.4 |
| 102.5° | 46.2 | 43.9 | 48.5 | 50.8 | 53.1 | 55.4 | 57.8 | 57.8 | 57.8 | 60.1 | 60.1 |
| 105° | 27.7 | 27.7 | 30.0 | 32.3 | 34.7 | 34.7 | 37.0 | 37.0 | 34.7 | 34.7 | 34.7 |
| 107.5° | 18.5 | 18.5 | 20.8 | 23.1 | 23.1 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 | 25.4 |
| 110° | 13.9 | 13.9 | 16.2 | 18.5 | 18.5 | 20.8 | 20.8 | 20.8 | 20.8 | 18.5 | 18.5 |



REPORT NUMBER: P691737
 CATALOG NUMBER: CRTK2-C018-D-U-T5R-7050-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° | |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 11.6 | 11.6 | 13.9 | 13.9 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 |
| 115° | 9.2 | 9.2 | 11.6 | 11.6 | 11.6 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 | 13.9 |
| 117.5° | 6.9 | 6.9 | 9.2 | 9.2 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 |
| 120° | 6.9 | 6.9 | 6.9 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 | 9.2 |
| 122.5° | 4.6 | 4.6 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 9.2 | 9.2 |
| 125° | 4.6 | 4.6 | 4.6 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 127.5° | 4.6 | 4.6 | 4.6 | 4.6 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 | 6.9 |
| 130° | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 6.9 | 6.9 | 6.9 |
| 132.5° | 0.0 | 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 | 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 | 0.0 | 0.0 |
| 140° | 0.0 | 0.0 | 0.0 | 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 | 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 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 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 | 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 | 0.0 |
| 160° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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 | 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 | 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 | 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 | 0.0 |

(END OF REPORT)