

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: P691105

Luminaire Tested: **CRTK2-C013-D-U-T2-7030-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691105  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-D-U-T2-7030-RMARROA5-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2181 lumens  
Efficiency: N/A  
Efficacy: 106.9 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



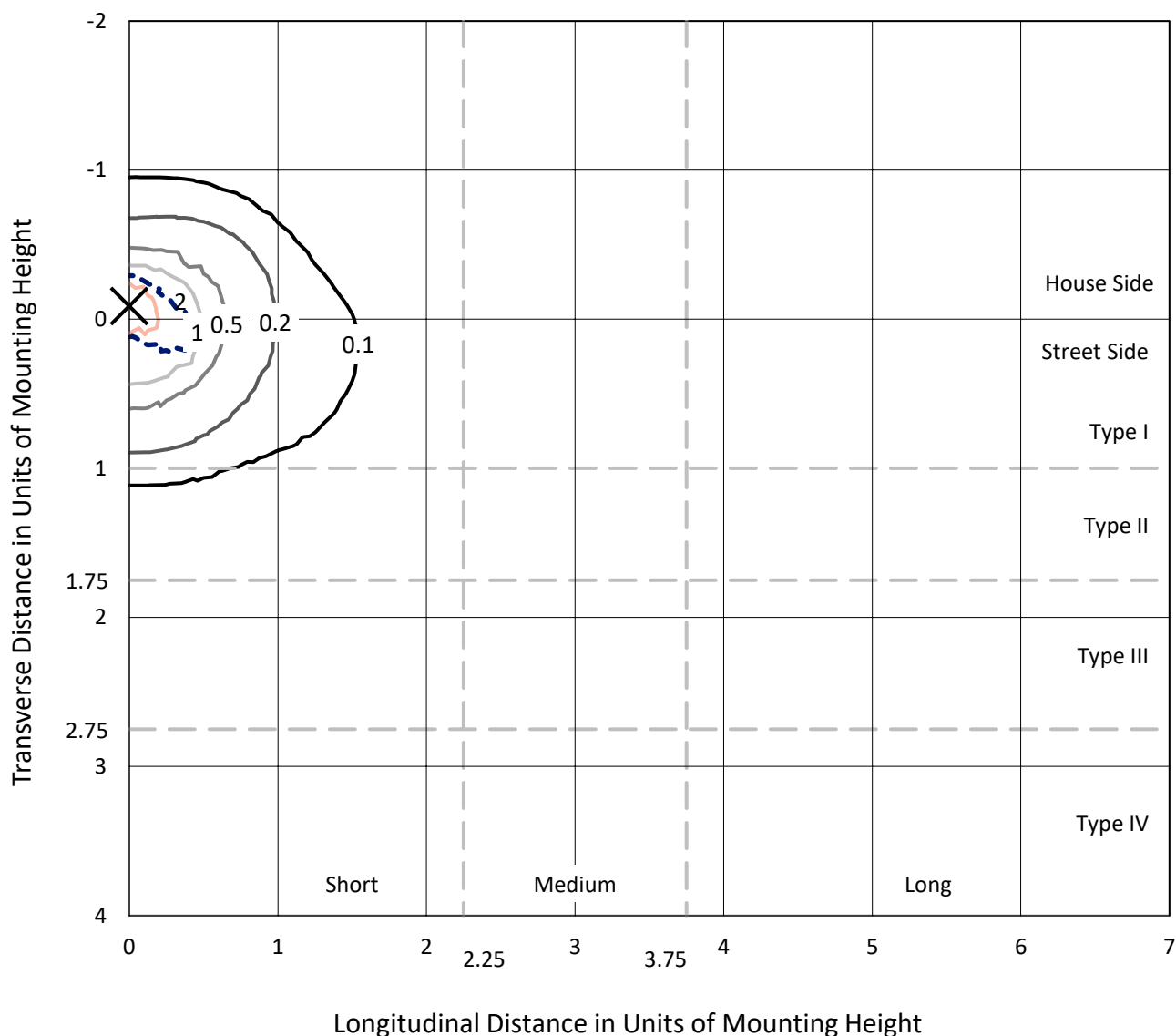
REPORT NUMBER: P691105

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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

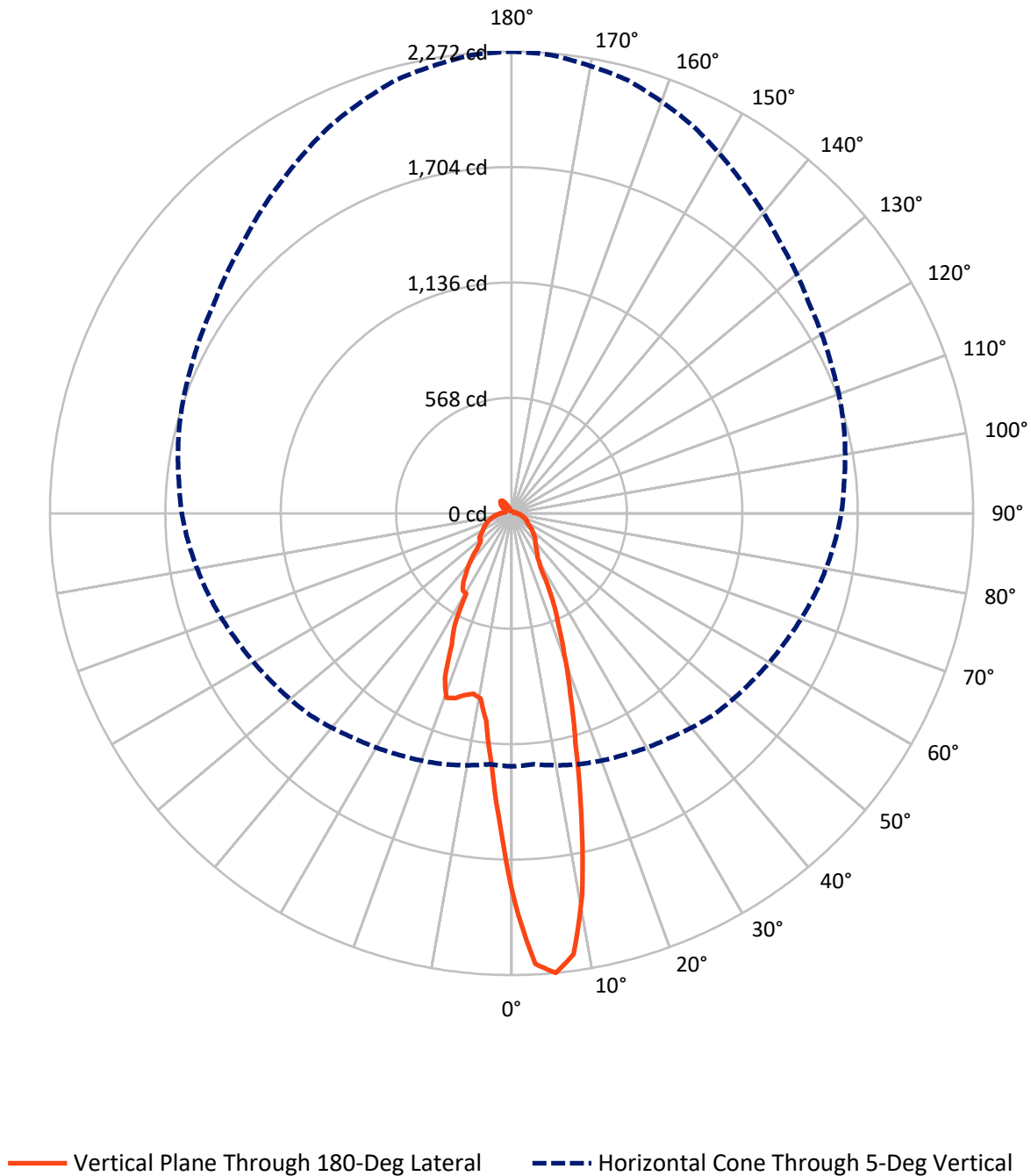


Based on 25 foot mounting height. Maximum calculated value = 3.4 fc

Type I - Short - N/A

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## Luminous Intensity Polar Plot



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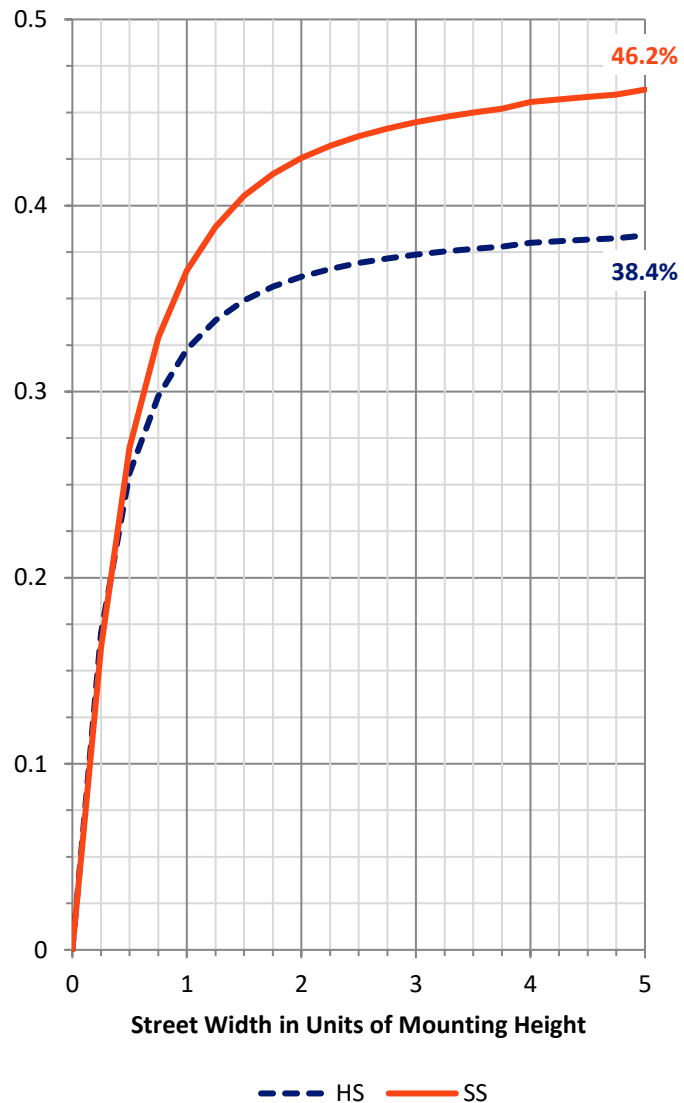
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 859.5    | 100.9  | 960.4  |
|                    | % Fixture | 39.4     | 4.6    | 44.0   |
| <b>Street Side</b> | Lumens    | 1033.0   | 187.6  | 1220.6 |
|                    | % Fixture | 47.4     | 8.6    | 56.0   |
| <b>Total</b>       | Lumens    | 1892.5   | 288.5  | 2181.0 |
|                    | % Fixture | 86.8     | 13.2   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 148.4  | 6.8       |
| 10°-20°   | 314.9  | 14.4      |
| 20°-30°   | 342.7  | 15.7      |
| 30°-40°   | 250.9  | 11.5      |
| 40°-50°   | 210.9  | 9.7       |
| 50°-60°   | 214.2  | 9.8       |
| 60°-70°   | 182.1  | 8.3       |
| 70°-80°   | 135.9  | 6.2       |
| 80°-90°   | 92.5   | 4.2       |
| 90°-100°  | 55.5   | 2.5       |
| 100°-110° | 31.8   | 1.5       |
| 110°-120° | 29.3   | 1.3       |
| 120°-130° | 42.6   | 2.0       |
| 130°-140° | 58.6   | 2.7       |
| 140°-150° | 48.5   | 2.2       |
| 150°-160° | 19.7   | 0.9       |
| 160°-170° | 2.5    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 1892.5 | 86.8      |
| 0°-180°   | 2181.0 | 100.0     |

**Coefficient of Utilization**



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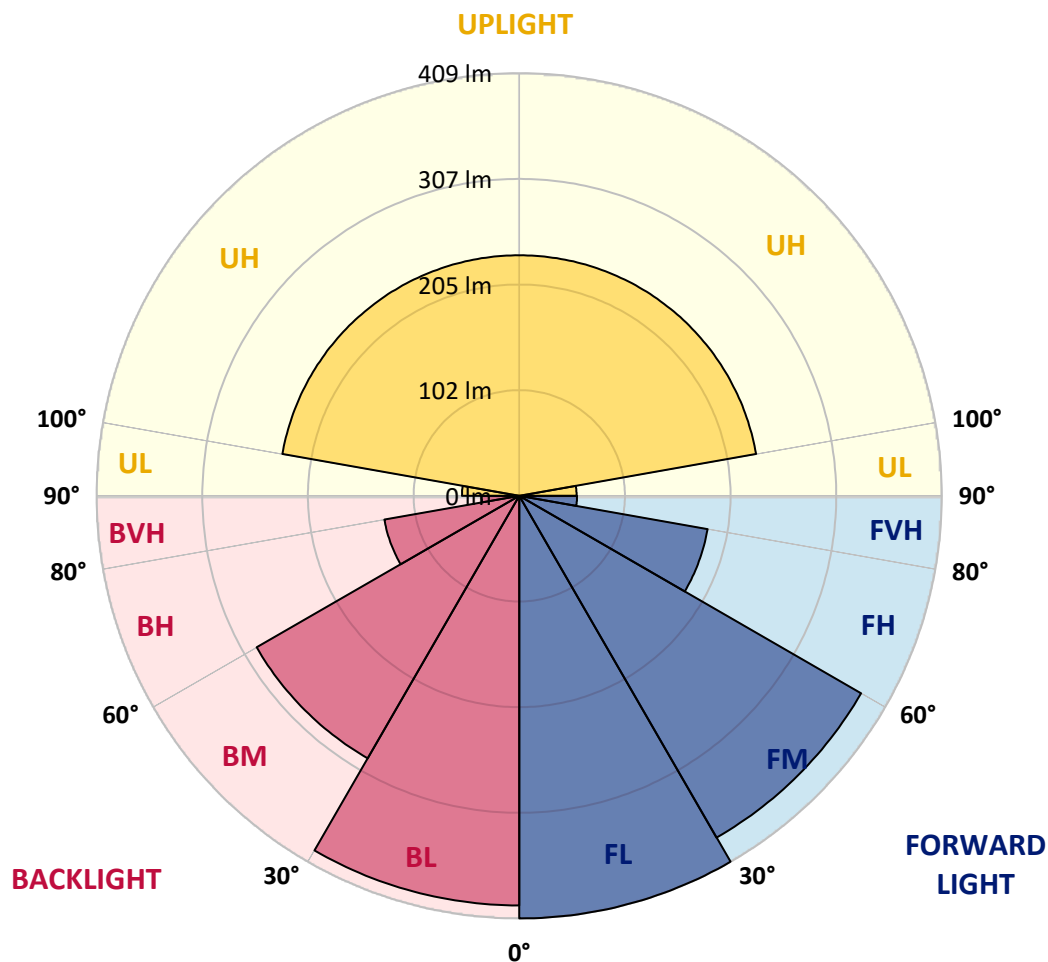
CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-RMARROA5-HSS-CRTK2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 409.3  | 18.8      |                         |        |        |
| FM   | (30°-60°)   | 382.4  | 17.5      |                         |        |        |
| FH   | (60°-80°)   | 185.3  | 8.5       |                         |        | G0/660 |
| FVH  | (80°-90°)   | 56.0   | 2.6       |                         |        | G1/100 |
| BL   | (0°-30°)    | 396.7  | 18.2      | B1/500                  |        |        |
| BM   | (30°-60°)   | 293.6  | 13.5      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 132.7  | 6.1       | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 36.5   | 1.7       |                         |        | G1/100 |
| UL   | (90°-100°)  | 55.5   | 2.5       |                         | U3/500 |        |
| UH   | (100°-180°) | 233.0  | 10.7      |                         | U3/500 |        |

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

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 |
| 2.5°   | 1546.2 | 1543.3 | 1564.7 | 1569.5 | 1571.5 | 1593.8 | 1623.9 | 1644.3 | 1681.2 | 1717.2 | 1731.7 |
| 5°     | 1245.1 | 1239.3 | 1278.2 | 1311.2 | 1351.0 | 1403.5 | 1442.3 | 1488.9 | 1544.3 | 1597.7 | 1623.0 |
| 7.5°   | 1026.6 | 1034.4 | 1089.7 | 1157.7 | 1221.8 | 1284.0 | 1331.6 | 1371.4 | 1403.5 | 1437.5 | 1444.3 |
| 10°    | 923.7  | 930.5  | 984.9  | 1049.9 | 1109.2 | 1172.3 | 1213.1 | 1247.1 | 1267.5 | 1292.7 | 1301.5 |
| 12.5°  | 907.2  | 912.0  | 948.9  | 994.6  | 1039.2 | 1096.5 | 1148.0 | 1185.9 | 1209.2 | 1229.6 | 1231.6 |
| 15°    | 923.7  | 925.6  | 947.9  | 978.1  | 1016.9 | 1064.5 | 1123.7 | 1166.5 | 1192.7 | 1201.4 | 1199.5 |
| 17.5°  | 950.9  | 950.9  | 961.5  | 986.8  | 1023.7 | 1069.4 | 1125.7 | 1169.4 | 1196.6 | 1200.5 | 1192.7 |
| 20°    | 962.5  | 964.5  | 971.3  | 999.4  | 1032.4 | 1074.2 | 1130.5 | 1167.4 | 1188.8 | 1178.1 | 1164.5 |
| 22.5°  | 875.1  | 871.2  | 889.7  | 948.9  | 1022.7 | 1097.5 | 1150.9 | 1192.7 | 1204.4 | 1168.4 | 1139.3 |
| 25°    | 708.0  | 710.0  | 721.6  | 750.8  | 808.1  | 877.0  | 995.5  | 1122.8 | 1211.2 | 1197.6 | 1153.9 |
| 27.5°  | 617.7  | 611.9  | 614.8  | 619.7  | 611.9  | 597.3  | 610.9  | 608.0  | 606.1  | 641.0  | 644.9  |
| 30°    | 453.6  | 454.5  | 459.4  | 468.1  | 486.6  | 513.8  | 542.9  | 559.4  | 574.0  | 601.2  | 597.3  |
| 32.5°  | 450.7  | 451.6  | 454.5  | 462.3  | 472.0  | 490.5  | 508.9  | 515.7  | 531.3  | 553.6  | 546.8  |
| 35°    | 421.5  | 418.6  | 426.4  | 433.2  | 436.1  | 443.9  | 458.4  | 468.1  | 477.9  | 493.4  | 489.5  |
| 37.5°  | 373.9  | 374.9  | 390.4  | 401.1  | 404.0  | 414.7  | 428.3  | 436.1  | 446.8  | 460.4  | 453.6  |
| 40°    | 333.1  | 334.1  | 352.6  | 364.2  | 371.0  | 385.6  | 406.0  | 415.7  | 433.2  | 443.9  | 436.1  |
| 42.5°  | 286.5  | 290.4  | 303.0  | 316.6  | 320.5  | 329.3  | 342.9  | 355.5  | 377.8  | 392.4  | 387.5  |
| 45°    | 238.9  | 240.9  | 249.6  | 263.2  | 269.0  | 278.8  | 291.4  | 303.0  | 320.5  | 332.2  | 331.2  |
| 47.5°  | 210.8  | 212.7  | 220.5  | 232.1  | 243.8  | 256.4  | 270.0  | 281.7  | 298.2  | 307.9  | 304.0  |
| 50°    | 199.1  | 201.0  | 210.8  | 224.4  | 238.9  | 255.4  | 272.0  | 284.6  | 300.1  | 305.9  | 301.1  |
| 52.5°  | 201.0  | 201.0  | 214.6  | 232.1  | 252.5  | 274.9  | 295.3  | 310.8  | 323.4  | 327.3  | 316.6  |
| 55°    | 190.4  | 193.3  | 207.8  | 232.1  | 263.2  | 298.2  | 333.1  | 366.2  | 384.6  | 380.7  | 360.3  |
| 57.5°  | 173.9  | 176.8  | 187.5  | 213.7  | 246.7  | 288.5  | 338.0  | 378.8  | 401.1  | 404.0  | 383.6  |
| 60°    | 164.1  | 166.1  | 175.8  | 196.2  | 225.3  | 259.3  | 304.0  | 337.0  | 362.3  | 370.0  | 355.5  |
| 62.5°  | 155.4  | 157.3  | 165.1  | 180.7  | 202.0  | 228.2  | 253.5  | 274.9  | 295.3  | 303.0  | 297.2  |
| 65°    | 145.7  | 146.7  | 154.4  | 168.0  | 185.5  | 207.8  | 229.2  | 244.8  | 261.3  | 266.1  | 259.3  |
| 67.5°  | 136.0  | 136.9  | 143.7  | 156.4  | 172.9  | 193.3  | 209.8  | 227.3  | 243.8  | 247.7  | 242.8  |
| 70°    | 127.2  | 128.2  | 134.0  | 145.7  | 160.3  | 179.7  | 195.2  | 206.9  | 223.4  | 227.3  | 221.4  |
| 72.5°  | 118.5  | 119.5  | 125.3  | 136.0  | 149.6  | 167.1  | 180.7  | 192.3  | 205.9  | 206.9  | 202.0  |
| 75°    | 109.8  | 110.7  | 115.6  | 125.3  | 136.9  | 154.4  | 167.1  | 176.8  | 188.4  | 188.4  | 182.6  |
| 77.5°  | 100.0  | 102.0  | 105.9  | 114.6  | 125.3  | 141.8  | 153.5  | 163.2  | 172.9  | 171.9  | 166.1  |
| 80°    | 91.3   | 92.3   | 96.2   | 103.9  | 113.6  | 129.2  | 140.8  | 148.6  | 157.3  | 156.4  | 151.5  |
| 82.5°  | 81.6   | 82.6   | 85.5   | 93.2   | 102.0  | 116.6  | 128.2  | 136.0  | 143.7  | 141.8  | 136.9  |
| 85°    | 71.9   | 72.8   | 76.7   | 82.6   | 91.3   | 104.9  | 115.6  | 123.3  | 129.2  | 127.2  | 123.3  |
| 87.5°  | 64.1   | 64.1   | 67.0   | 72.8   | 80.6   | 93.2   | 103.0  | 110.7  | 115.6  | 114.6  | 110.7  |
| 90°    | 55.4   | 56.3   | 58.3   | 63.1   | 69.9   | 80.6   | 90.3   | 97.1   | 102.0  | 100.0  | 96.2   |
| 92.5°  | 48.6   | 48.6   | 50.5   | 55.4   | 61.2   | 70.9   | 79.6   | 85.5   | 89.4   | 88.4   | 85.5   |
| 95°    | 41.8   | 42.7   | 43.7   | 47.6   | 52.4   | 60.2   | 68.0   | 73.8   | 77.7   | 76.7   | 74.8   |
| 97.5°  | 36.9   | 37.9   | 38.9   | 40.8   | 45.6   | 50.5   | 57.3   | 62.2   | 66.0   | 65.1   | 63.1   |
| 100°   | 34.0   | 34.0   | 34.0   | 35.9   | 38.9   | 42.7   | 47.6   | 51.5   | 53.4   | 54.4   | 52.4   |
| 102.5° | 31.1   | 31.1   | 32.1   | 32.1   | 34.0   | 35.9   | 38.9   | 41.8   | 42.7   | 42.7   | 42.7   |
| 105°   | 30.1   | 30.1   | 31.1   | 31.1   | 32.1   | 33.0   | 35.0   | 35.9   | 36.9   | 36.9   | 35.9   |
| 107.5° | 30.1   | 30.1   | 30.1   | 30.1   | 31.1   | 32.1   | 33.0   | 34.0   | 34.0   | 34.0   | 33.0   |
| 110°   | 31.1   | 31.1   | 31.1   | 31.1   | 31.1   | 32.1   | 32.1   | 33.0   | 33.0   | 32.1   | 32.1   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 32.1 | 32.1 | 32.1 | 32.1  | 32.1  | 33.0  | 33.0  | 33.0  | 33.0  | 32.1  | 32.1  |
| 115°   | 34.0 | 34.0 | 34.0 | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 35.0  | 34.0  | 33.0  |
| 117.5° | 37.9 | 37.9 | 37.9 | 37.9  | 38.9  | 38.9  | 38.9  | 38.9  | 38.9  | 36.9  | 36.9  |
| 120°   | 42.7 | 41.8 | 42.7 | 43.7  | 44.7  | 44.7  | 44.7  | 44.7  | 44.7  | 42.7  | 41.8  |
| 122.5° | 47.6 | 47.6 | 48.6 | 50.5  | 52.4  | 53.4  | 52.4  | 52.4  | 52.4  | 49.5  | 48.6  |
| 125°   | 53.4 | 53.4 | 56.3 | 60.2  | 63.1  | 64.1  | 63.1  | 63.1  | 63.1  | 60.2  | 58.3  |
| 127.5° | 60.2 | 60.2 | 64.1 | 69.9  | 74.8  | 77.7  | 76.7  | 76.7  | 76.7  | 71.9  | 69.0  |
| 130°   | 67.0 | 67.0 | 72.8 | 80.6  | 88.4  | 90.3  | 91.3  | 92.3  | 92.3  | 86.4  | 82.6  |
| 132.5° | 71.9 | 72.8 | 79.6 | 90.3  | 100.0 | 103.0 | 105.9 | 106.8 | 106.8 | 100.0 | 94.2  |
| 135°   | 76.7 | 77.7 | 86.4 | 99.1  | 109.8 | 116.6 | 119.5 | 120.4 | 121.4 | 113.6 | 106.8 |
| 137.5° | 79.6 | 80.6 | 90.3 | 104.9 | 115.6 | 124.3 | 131.1 | 133.1 | 133.1 | 124.3 | 115.6 |
| 140°   | 79.6 | 80.6 | 91.3 | 104.9 | 116.6 | 127.2 | 135.0 | 138.9 | 138.9 | 130.1 | 122.4 |
| 142.5° | 77.7 | 79.6 | 89.4 | 103.0 | 114.6 | 125.3 | 134.0 | 137.9 | 137.9 | 130.1 | 122.4 |
| 145°   | 73.8 | 74.8 | 84.5 | 96.2  | 107.8 | 120.4 | 130.1 | 134.0 | 134.0 | 126.3 | 118.5 |
| 147.5° | 67.0 | 68.0 | 75.8 | 86.4  | 98.1  | 110.7 | 120.4 | 125.3 | 124.3 | 117.5 | 110.7 |
| 150°   | 58.3 | 58.3 | 65.1 | 73.8  | 85.5  | 97.1  | 106.8 | 111.7 | 111.7 | 104.9 | 99.1  |
| 152.5° | 47.6 | 47.6 | 52.4 | 59.2  | 69.0  | 80.6  | 88.4  | 93.2  | 93.2  | 88.4  | 83.5  |
| 155°   | 36.9 | 36.9 | 40.8 | 45.6  | 53.4  | 62.2  | 68.0  | 72.8  | 72.8  | 69.0  | 65.1  |
| 157.5° | 26.2 | 26.2 | 30.1 | 34.0  | 39.8  | 46.6  | 51.5  | 54.4  | 55.4  | 51.5  | 49.5  |
| 160°   | 17.5 | 17.5 | 19.4 | 22.3  | 27.2  | 32.1  | 35.0  | 37.9  | 38.9  | 35.9  | 35.0  |
| 162.5° | 9.7  | 9.7  | 10.7 | 13.6  | 16.5  | 19.4  | 22.3  | 24.3  | 24.3  | 23.3  | 22.3  |
| 165°   | 2.9  | 2.9  | 3.9  | 4.9   | 6.8   | 8.7   | 9.7   | 10.7  | 11.7  | 11.7  | 10.7  |
| 167.5° | 0.0  | 0.0  | 1.0  | 1.0   | 1.0   | 1.0   | 1.9   | 1.9   | 2.9   | 2.9   | 2.9   |
| 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   |

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**CANDELA DISTRIBUTION (continued):**

|        | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 179°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 | 1917.3 |
| 2.5°   | 1761.9 | 1816.2 | 1875.5 | 1932.8 | 2002.7 | 2075.6 | 2142.6 | 2188.2 | 2212.5 | 2220.3 | 2220.3 |
| 5°     | 1642.4 | 1691.9 | 1735.6 | 1790.0 | 1874.5 | 1984.3 | 2105.7 | 2206.7 | 2264.0 | 2270.8 | 2271.8 |
| 7.5°   | 1455.9 | 1496.7 | 1542.4 | 1590.9 | 1665.7 | 1763.8 | 1924.1 | 2087.2 | 2180.5 | 2198.0 | 2191.2 |
| 10°    | 1303.4 | 1328.7 | 1355.9 | 1374.3 | 1426.8 | 1499.6 | 1608.4 | 1768.7 | 1883.3 | 1896.9 | 1906.6 |
| 12.5°  | 1232.5 | 1236.4 | 1228.6 | 1232.5 | 1250.0 | 1284.0 | 1337.4 | 1429.7 | 1504.5 | 1517.1 | 1523.9 |
| 15°    | 1196.6 | 1177.2 | 1146.1 | 1116.9 | 1101.4 | 1104.3 | 1116.0 | 1153.9 | 1166.5 | 1187.8 | 1178.1 |
| 17.5°  | 1180.1 | 1136.4 | 1087.8 | 1031.5 | 996.5  | 960.6  | 941.1  | 934.3  | 929.5  | 930.5  | 939.2  |
| 20°    | 1138.3 | 1088.8 | 1011.1 | 937.3  | 880.9  | 831.4  | 789.6  | 759.5  | 743.0  | 735.2  | 741.1  |
| 22.5°  | 1094.6 | 1017.9 | 926.6  | 846.9  | 766.3  | 703.2  | 655.6  | 611.9  | 587.6  | 594.4  | 586.6  |
| 25°    | 1095.6 | 981.0  | 872.2  | 767.3  | 691.5  | 608.0  | 532.2  | 486.6  | 446.8  | 454.5  | 465.2  |
| 27.5°  | 690.6  | 660.5  | 582.8  | 521.6  | 445.8  | 404.0  | 366.2  | 334.1  | 311.8  | 312.7  | 309.8  |
| 30°    | 585.7  | 554.6  | 515.7  | 467.2  | 409.9  | 361.3  | 317.6  | 280.7  | 259.3  | 253.5  | 252.5  |
| 32.5°  | 541.0  | 514.8  | 478.8  | 431.2  | 378.8  | 330.2  | 286.5  | 252.5  | 231.2  | 230.2  | 230.2  |
| 35°    | 481.7  | 457.5  | 427.4  | 386.6  | 341.9  | 297.2  | 256.4  | 227.3  | 209.8  | 209.8  | 208.8  |
| 37.5°  | 444.8  | 423.5  | 394.3  | 356.5  | 316.6  | 272.0  | 236.0  | 209.8  | 191.3  | 190.4  | 191.3  |
| 40°    | 425.4  | 403.1  | 374.9  | 339.0  | 299.1  | 256.4  | 222.4  | 195.2  | 181.6  | 180.7  | 179.7  |
| 42.5°  | 386.6  | 369.1  | 344.8  | 311.8  | 276.8  | 238.9  | 206.9  | 182.6  | 170.9  | 170.0  | 170.9  |
| 45°    | 328.3  | 315.7  | 299.1  | 274.9  | 245.7  | 213.7  | 185.5  | 167.1  | 155.4  | 155.4  | 155.4  |
| 47.5°  | 301.1  | 289.4  | 271.0  | 246.7  | 221.4  | 191.3  | 168.0  | 152.5  | 141.8  | 141.8  | 141.8  |
| 50°    | 294.3  | 279.7  | 255.4  | 228.2  | 201.0  | 174.8  | 153.5  | 137.9  | 130.1  | 129.2  | 130.1  |
| 52.5°  | 304.0  | 281.7  | 248.6  | 216.6  | 186.5  | 161.2  | 140.8  | 126.3  | 118.5  | 118.5  | 118.5  |
| 55°    | 339.0  | 298.2  | 254.5  | 213.7  | 177.7  | 149.6  | 129.2  | 114.6  | 106.8  | 105.9  | 106.8  |
| 57.5°  | 362.3  | 310.8  | 256.4  | 210.8  | 171.9  | 141.8  | 119.5  | 103.9  | 96.2   | 95.2   | 96.2   |
| 60°    | 341.9  | 300.1  | 247.7  | 203.0  | 167.1  | 136.0  | 112.7  | 97.1   | 89.4   | 88.4   | 88.4   |
| 62.5°  | 283.6  | 259.3  | 221.4  | 183.6  | 154.4  | 127.2  | 105.9  | 91.3   | 83.5   | 82.6   | 83.5   |
| 65°    | 251.6  | 230.2  | 197.2  | 167.1  | 141.8  | 118.5  | 100.0  | 87.4   | 79.6   | 79.6   | 79.6   |
| 67.5°  | 234.1  | 214.6  | 183.6  | 154.4  | 131.1  | 109.8  | 92.3   | 80.6   | 73.8   | 73.8   | 73.8   |
| 70°    | 213.7  | 194.3  | 166.1  | 139.9  | 118.5  | 100.0  | 84.5   | 72.8   | 67.0   | 66.0   | 67.0   |
| 72.5°  | 196.2  | 176.8  | 150.5  | 126.3  | 106.8  | 90.3   | 76.7   | 66.0   | 61.2   | 60.2   | 61.2   |
| 75°    | 176.8  | 158.3  | 133.1  | 111.7  | 95.2   | 80.6   | 69.0   | 59.2   | 55.4   | 54.4   | 54.4   |
| 77.5°  | 160.3  | 142.8  | 119.5  | 100.0  | 85.5   | 71.9   | 61.2   | 54.4   | 50.5   | 49.5   | 49.5   |
| 80°    | 145.7  | 129.2  | 106.8  | 89.4   | 75.8   | 64.1   | 55.4   | 48.6   | 44.7   | 44.7   | 44.7   |
| 82.5°  | 130.1  | 115.6  | 95.2   | 78.7   | 67.0   | 57.3   | 48.6   | 42.7   | 39.8   | 39.8   | 39.8   |
| 85°    | 117.5  | 103.0  | 83.5   | 69.9   | 58.3   | 49.5   | 42.7   | 37.9   | 35.0   | 35.0   | 35.0   |
| 87.5°  | 103.9  | 91.3   | 73.8   | 61.2   | 51.5   | 43.7   | 36.9   | 32.1   | 31.1   | 30.1   | 30.1   |
| 90°    | 90.3   | 78.7   | 63.1   | 52.4   | 43.7   | 36.9   | 31.1   | 27.2   | 26.2   | 25.3   | 25.3   |
| 92.5°  | 80.6   | 69.9   | 57.3   | 47.6   | 39.8   | 33.0   | 29.1   | 25.3   | 24.3   | 24.3   | 23.3   |
| 95°    | 69.9   | 61.2   | 50.5   | 42.7   | 35.9   | 31.1   | 27.2   | 24.3   | 23.3   | 23.3   | 22.3   |
| 97.5°  | 60.2   | 52.4   | 44.7   | 38.9   | 33.0   | 29.1   | 25.3   | 23.3   | 21.4   | 21.4   | 21.4   |
| 100°   | 50.5   | 44.7   | 38.9   | 33.0   | 30.1   | 26.2   | 23.3   | 21.4   | 20.4   | 19.4   | 19.4   |
| 102.5° | 40.8   | 36.9   | 32.1   | 29.1   | 25.3   | 22.3   | 20.4   | 18.5   | 17.5   | 17.5   | 17.5   |
| 105°   | 35.0   | 32.1   | 29.1   | 26.2   | 23.3   | 20.4   | 18.5   | 16.5   | 15.5   | 15.5   | 15.5   |
| 107.5° | 32.1   | 30.1   | 27.2   | 24.3   | 22.3   | 19.4   | 17.5   | 14.6   | 13.6   | 14.6   | 14.6   |
| 110°   | 31.1   | 29.1   | 26.2   | 24.3   | 21.4   | 19.4   | 17.5   | 13.6   | 12.6   | 13.6   | 13.6   |



REPORT NUMBER: P691105

CATALOG NUMBER: CRTK2-C013-D-U-T2-7030-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 179° | 180° |
|--------|-------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 31.1  | 29.1 | 27.2 | 24.3 | 22.3 | 19.4 | 17.5 | 13.6 | 12.6 | 12.6 | 12.6 |
| 115°   | 32.1  | 31.1 | 28.2 | 26.2 | 23.3 | 20.4 | 17.5 | 13.6 | 12.6 | 12.6 | 12.6 |
| 117.5° | 35.9  | 34.0 | 31.1 | 28.2 | 25.3 | 21.4 | 18.5 | 13.6 | 12.6 | 12.6 | 12.6 |
| 120°   | 39.8  | 37.9 | 35.0 | 31.1 | 27.2 | 23.3 | 19.4 | 13.6 | 11.7 | 12.6 | 12.6 |
| 122.5° | 46.6  | 43.7 | 39.8 | 35.0 | 30.1 | 25.3 | 19.4 | 14.6 | 10.7 | 12.6 | 12.6 |
| 125°   | 55.4  | 51.5 | 45.6 | 38.9 | 33.0 | 27.2 | 20.4 | 14.6 | 11.7 | 12.6 | 12.6 |
| 127.5° | 65.1  | 60.2 | 52.4 | 43.7 | 35.9 | 28.2 | 21.4 | 14.6 | 11.7 | 11.7 | 12.6 |
| 130°   | 77.7  | 69.9 | 59.2 | 48.6 | 38.9 | 30.1 | 21.4 | 14.6 | 11.7 | 11.7 | 11.7 |
| 132.5° | 88.4  | 78.7 | 65.1 | 52.4 | 40.8 | 31.1 | 21.4 | 14.6 | 10.7 | 10.7 | 10.7 |
| 135°   | 99.1  | 86.4 | 69.9 | 55.4 | 42.7 | 31.1 | 21.4 | 13.6 | 10.7 | 10.7 | 10.7 |
| 137.5° | 107.8 | 91.3 | 73.8 | 56.3 | 42.7 | 30.1 | 20.4 | 12.6 | 9.7  | 9.7  | 9.7  |
| 140°   | 112.7 | 94.2 | 74.8 | 56.3 | 40.8 | 29.1 | 18.5 | 11.7 | 8.7  | 8.7  | 8.7  |
| 142.5° | 112.7 | 93.2 | 73.8 | 54.4 | 38.9 | 27.2 | 16.5 | 9.7  | 7.8  | 7.8  | 7.8  |
| 145°   | 108.8 | 89.4 | 69.9 | 51.5 | 35.9 | 24.3 | 14.6 | 8.7  | 5.8  | 5.8  | 6.8  |
| 147.5° | 102.0 | 82.6 | 64.1 | 46.6 | 32.1 | 20.4 | 12.6 | 6.8  | 4.9  | 4.9  | 4.9  |
| 150°   | 90.3  | 72.8 | 55.4 | 40.8 | 27.2 | 17.5 | 10.7 | 5.8  | 3.9  | 3.9  | 3.9  |
| 152.5° | 75.8  | 60.2 | 46.6 | 34.0 | 22.3 | 13.6 | 7.8  | 4.9  | 2.9  | 2.9  | 2.9  |
| 155°   | 60.2  | 47.6 | 36.9 | 26.2 | 16.5 | 10.7 | 5.8  | 3.9  | 2.9  | 2.9  | 2.9  |
| 157.5° | 44.7  | 35.9 | 27.2 | 19.4 | 12.6 | 7.8  | 4.9  | 2.9  | 1.9  | 1.9  | 1.9  |
| 160°   | 31.1  | 25.3 | 18.5 | 12.6 | 7.8  | 4.9  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  |
| 162.5° | 20.4  | 15.5 | 11.7 | 7.8  | 4.9  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  |
| 165°   | 9.7   | 7.8  | 5.8  | 3.9  | 1.9  | 1.9  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 2.9   | 1.9  | 1.0  | 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)