

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: P691421

Luminaire Tested: **CRTK2-C016-5TLD-U-T3-7040-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691421  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C016-5TLD-U-T3-7040-RMARROA5-HSS-CRTK2  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE  
SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4712 lumens  
Efficiency: N/A  
Efficacy: 110.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B2 - U4 - G2

Input Watts (W): 42.8  
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



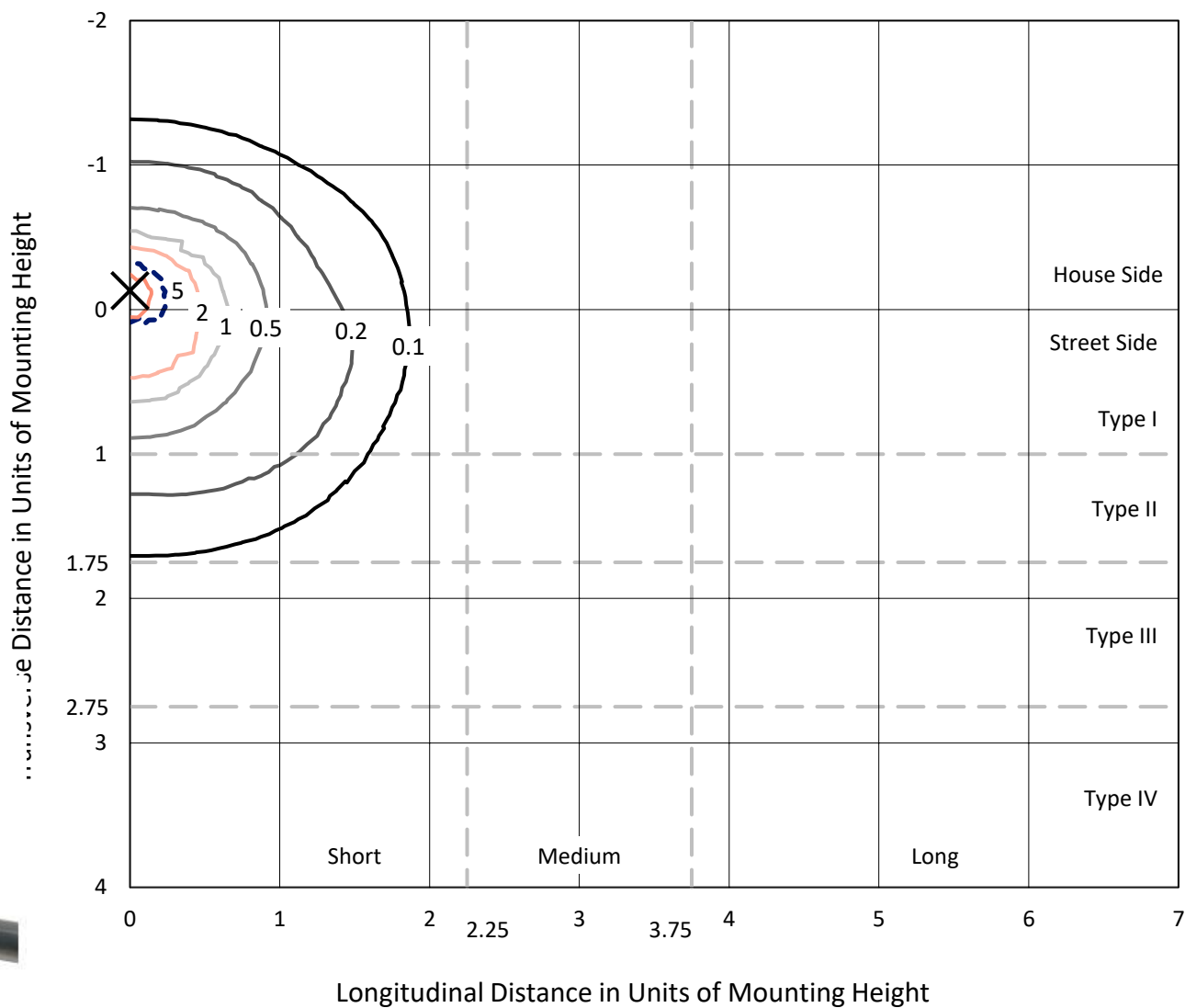
REPORT NUMBER: P691421

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



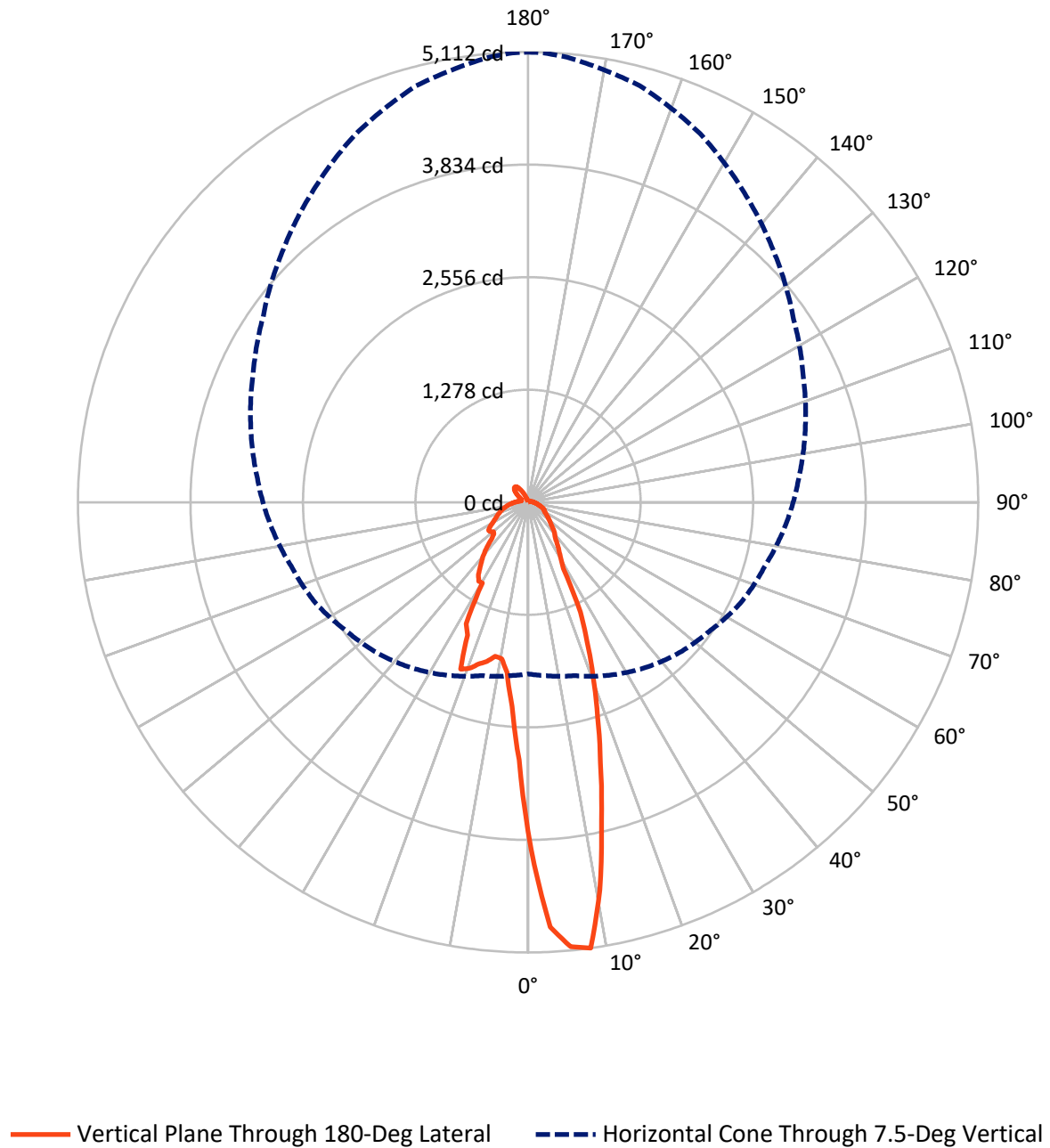
Based on 25 foot mounting height. Maximum calculated value = 8 fc

Type I - Short - N/A

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## Luminous Intensity Polar Plot



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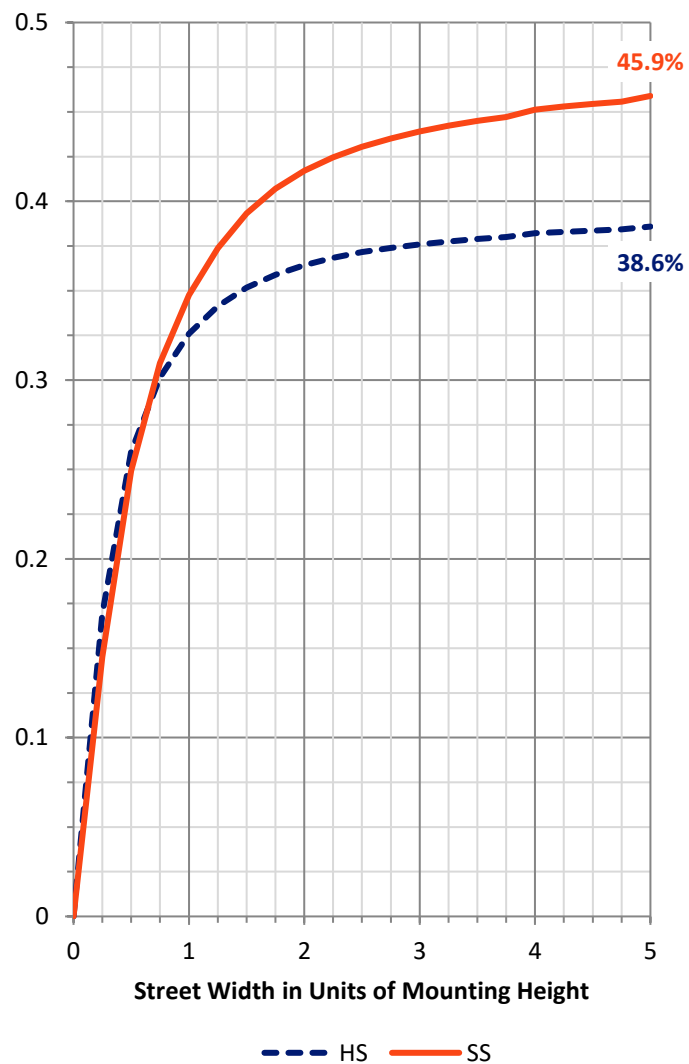
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1865.6   | 194.5  | 2060.1 |
|                    | % Fixture | 39.6     | 4.1    | 43.7   |
| <b>Street Side</b> | Lumens    | 2224.7   | 427.2  | 2651.9 |
|                    | % Fixture | 47.2     | 9.1    | 56.3   |
| <b>Total</b>       | Lumens    | 4090.2   | 621.8  | 4712.0 |
|                    | % Fixture | 86.8     | 13.2   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 315.7  | 6.7       |
| 10°-20°   | 675.4  | 14.3      |
| 20°-30°   | 745.8  | 15.8      |
| 30°-40°   | 540.9  | 11.5      |
| 40°-50°   | 455.7  | 9.7       |
| 50°-60°   | 465.2  | 9.9       |
| 60°-70°   | 396.5  | 8.4       |
| 70°-80°   | 295.6  | 6.3       |
| 80°-90°   | 199.5  | 4.2       |
| 90°-100°  | 119.3  | 2.5       |
| 100°-110° | 68.6   | 1.5       |
| 110°-120° | 64.1   | 1.4       |
| 120°-130° | 93.4   | 2.0       |
| 130°-140° | 126.9  | 2.7       |
| 140°-150° | 103.3  | 2.2       |
| 150°-160° | 41.2   | 0.9       |
| 160°-170° | 5.0    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 4090.2 | 86.8      |
| 0°-180°   | 4712.0 | 100.0     |

**Coefficient of Utilization**



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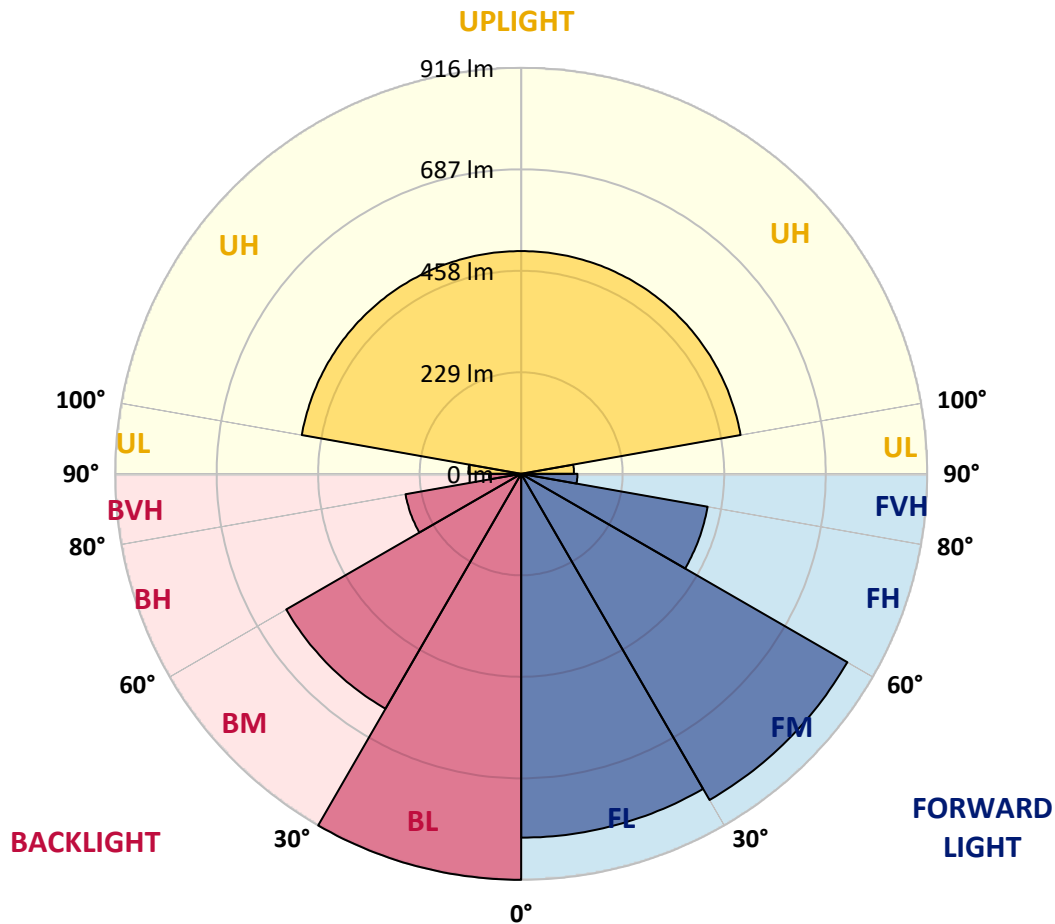
CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-RMARROA5-HSS-CRTK2

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |        |
|------|-------------|--------|-----------|-------------------------|---------|--------|
|      |             |        |           | B                       | U       | G      |
| FL   | (0°-30°)    | 820.8  | 17.4      |                         |         |        |
| FM   | (30°-60°)   | 849.8  | 18.0      |                         |         |        |
| FH   | (60°-80°)   | 427.1  | 9.1       |                         |         | G0/660 |
| FVH  | (80°-90°)   | 126.9  | 2.7       |                         |         | G2/225 |
| BL   | (0°-30°)    | 916.0  | 19.4      | B2/1000                 |         |        |
| BM   | (30°-60°)   | 612.0  | 13.0      | B1/1000                 |         |        |
| BH   | (60°-80°)   | 265.0  | 5.6       | B1/500                  |         | G1/500 |
| BVH  | (80°-90°)   | 72.6   | 1.5       |                         |         | G1/100 |
| UL   | (90°-100°)  | 119.3  | 2.5       |                         | U3/500  |        |
| UH   | (100°-180°) | 502.5  | 10.7      |                         | U4/1000 |        |

**BUG Rating: B2-U4-G2**

Type I Short



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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 |
| 2.5°   | 2924.3 | 2992.1 | 2998.3 | 3072.3 | 3127.8 | 3179.3 | 3216.3 | 3323.2 | 3432.2 | 3535.0 | 3594.7 |
| 5°     | 2321.7 | 2354.6 | 2414.3 | 2494.5 | 2597.3 | 2677.5 | 2792.6 | 2942.8 | 3086.7 | 3267.7 | 3356.1 |
| 7.5°   | 1949.5 | 1974.2 | 2037.9 | 2167.5 | 2297.0 | 2420.4 | 2531.5 | 2675.4 | 2786.5 | 2936.6 | 3010.6 |
| 10°    | 1801.4 | 1815.8 | 1869.3 | 1959.8 | 2083.2 | 2186.0 | 2282.6 | 2391.6 | 2490.3 | 2628.1 | 2681.6 |
| 12.5°  | 1787.0 | 1793.2 | 1836.4 | 1900.1 | 1972.1 | 2056.4 | 2136.6 | 2229.2 | 2334.1 | 2443.0 | 2484.2 |
| 15°    | 1865.2 | 1861.1 | 1875.5 | 1912.5 | 1953.6 | 2019.4 | 2093.5 | 2177.8 | 2278.5 | 2358.7 | 2391.6 |
| 17.5°  | 1920.7 | 1918.7 | 1945.4 | 1961.8 | 2000.9 | 2040.0 | 2114.0 | 2179.8 | 2278.5 | 2342.3 | 2360.8 |
| 20°    | 2000.9 | 2005.0 | 2013.3 | 2044.1 | 2060.6 | 2087.3 | 2132.5 | 2171.6 | 2255.9 | 2292.9 | 2288.8 |
| 22.5°  | 2044.1 | 2042.0 | 2077.0 | 2149.0 | 2167.5 | 2181.9 | 2190.1 | 2206.6 | 2253.9 | 2251.8 | 2221.0 |
| 25°    | 1657.5 | 1661.6 | 1669.8 | 1731.5 | 1809.7 | 1937.2 | 2042.0 | 2206.6 | 2295.0 | 2262.1 | 2196.3 |
| 27.5°  | 1548.5 | 1536.2 | 1493.0 | 1458.0 | 1353.1 | 1283.2 | 1217.4 | 1188.6 | 1203.0 | 1227.7 | 1295.6 |
| 30°    | 1055.0 | 1057.0 | 1061.1 | 1067.3 | 1077.6 | 1104.3 | 1122.8 | 1124.9 | 1139.3 | 1180.4 | 1166.0 |
| 32.5°  | 1057.0 | 1059.1 | 1052.9 | 1059.1 | 1055.0 | 1065.2 | 1063.2 | 1055.0 | 1067.3 | 1104.3 | 1089.9 |
| 35°    | 993.3  | 989.1  | 993.3  | 995.3  | 972.7  | 964.5  | 962.4  | 956.2  | 964.5  | 983.0  | 970.6  |
| 37.5°  | 894.6  | 892.5  | 911.0  | 921.3  | 902.8  | 902.8  | 898.7  | 890.4  | 896.6  | 913.1  | 896.6  |
| 40°    | 808.2  | 810.2  | 837.0  | 853.4  | 847.3  | 853.4  | 859.6  | 857.5  | 871.9  | 878.1  | 857.5  |
| 42.5°  | 713.6  | 709.5  | 736.2  | 748.5  | 736.2  | 740.3  | 738.3  | 740.3  | 769.1  | 781.4  | 767.1  |
| 45°    | 596.4  | 602.5  | 614.9  | 631.3  | 629.3  | 635.4  | 633.4  | 637.5  | 656.0  | 662.2  | 651.9  |
| 47.5°  | 530.6  | 534.7  | 549.1  | 567.6  | 577.9  | 588.1  | 588.1  | 590.2  | 602.5  | 604.6  | 594.3  |
| 50°    | 516.2  | 520.3  | 538.8  | 559.4  | 575.8  | 588.1  | 594.3  | 592.3  | 598.4  | 594.3  | 579.9  |
| 52.5°  | 540.8  | 540.8  | 569.6  | 594.3  | 614.9  | 637.5  | 645.7  | 637.5  | 637.5  | 621.0  | 598.4  |
| 55°    | 551.1  | 553.2  | 588.1  | 631.3  | 670.4  | 711.5  | 738.3  | 736.2  | 734.1  | 707.4  | 666.3  |
| 57.5°  | 518.2  | 524.4  | 559.4  | 608.7  | 662.2  | 728.0  | 767.1  | 773.2  | 773.2  | 738.3  | 693.0  |
| 60°    | 470.9  | 475.0  | 501.8  | 542.9  | 596.4  | 645.7  | 686.9  | 691.0  | 703.3  | 684.8  | 643.7  |
| 62.5°  | 431.9  | 436.0  | 458.6  | 489.4  | 528.5  | 559.4  | 571.7  | 571.7  | 577.9  | 571.7  | 542.9  |
| 65°    | 403.1  | 405.1  | 423.6  | 450.4  | 477.1  | 501.8  | 514.1  | 510.0  | 518.2  | 510.0  | 487.4  |
| 67.5°  | 376.3  | 376.3  | 392.8  | 413.3  | 438.0  | 466.8  | 475.0  | 479.2  | 487.4  | 477.1  | 456.5  |
| 70°    | 349.6  | 351.7  | 368.1  | 384.6  | 407.2  | 427.7  | 436.0  | 438.0  | 448.3  | 436.0  | 421.6  |
| 72.5°  | 327.0  | 327.0  | 341.4  | 357.8  | 374.3  | 394.8  | 401.0  | 405.1  | 411.3  | 398.9  | 386.6  |
| 75°    | 300.2  | 302.3  | 314.6  | 329.0  | 343.4  | 364.0  | 370.2  | 372.2  | 378.4  | 364.0  | 351.7  |
| 77.5°  | 275.6  | 277.6  | 287.9  | 300.2  | 314.6  | 331.1  | 337.3  | 341.4  | 343.4  | 331.1  | 318.7  |
| 80°    | 250.9  | 252.9  | 261.2  | 273.5  | 285.8  | 302.3  | 306.4  | 308.5  | 312.6  | 298.2  | 290.0  |
| 82.5°  | 228.3  | 228.3  | 234.4  | 244.7  | 257.1  | 271.4  | 277.6  | 279.7  | 281.7  | 269.4  | 261.2  |
| 85°    | 201.5  | 201.5  | 207.7  | 218.0  | 228.3  | 242.7  | 248.8  | 250.9  | 250.9  | 240.6  | 232.4  |
| 87.5°  | 178.9  | 178.9  | 183.0  | 191.2  | 199.5  | 213.9  | 220.0  | 224.2  | 222.1  | 213.9  | 205.6  |
| 90°    | 156.3  | 156.3  | 160.4  | 166.6  | 174.8  | 187.1  | 193.3  | 195.4  | 195.4  | 185.1  | 178.9  |
| 92.5°  | 135.7  | 135.7  | 139.8  | 146.0  | 152.2  | 162.5  | 168.6  | 172.7  | 172.7  | 164.5  | 158.3  |
| 95°    | 117.2  | 117.2  | 119.3  | 125.4  | 131.6  | 139.8  | 144.0  | 148.1  | 148.1  | 144.0  | 137.8  |
| 97.5°  | 100.8  | 100.8  | 102.8  | 106.9  | 111.0  | 117.2  | 121.3  | 125.4  | 125.4  | 123.4  | 119.3  |
| 100°   | 88.4   | 88.4   | 88.4   | 90.5   | 94.6   | 96.7   | 100.8  | 104.9  | 104.9  | 102.8  | 100.8  |
| 102.5° | 80.2   | 80.2   | 80.2   | 80.2   | 80.2   | 82.3   | 82.3   | 84.3   | 84.3   | 84.3   | 82.3   |
| 105°   | 76.1   | 76.1   | 76.1   | 76.1   | 76.1   | 76.1   | 76.1   | 76.1   | 74.0   | 72.0   | 69.9   |
| 107.5° | 76.1   | 74.0   | 74.0   | 74.0   | 74.0   | 72.0   | 72.0   | 72.0   | 69.9   | 67.9   | 65.8   |
| 110°   | 76.1   | 76.1   | 76.1   | 76.1   | 74.0   | 72.0   | 72.0   | 69.9   | 67.9   | 65.8   | 63.7   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 80.2  | 80.2  | 80.2  | 78.1  | 76.1  | 76.1  | 74.0  | 72.0  | 69.9  | 65.8  | 63.7  |
| 115°   | 86.4  | 86.4  | 86.4  | 86.4  | 84.3  | 80.2  | 78.1  | 76.1  | 72.0  | 69.9  | 67.9  |
| 117.5° | 96.7  | 96.7  | 96.7  | 96.7  | 92.5  | 90.5  | 86.4  | 84.3  | 80.2  | 76.1  | 74.0  |
| 120°   | 109.0 | 109.0 | 111.0 | 111.0 | 109.0 | 104.9 | 98.7  | 96.7  | 92.5  | 86.4  | 82.3  |
| 122.5° | 127.5 | 125.4 | 129.6 | 129.6 | 129.6 | 125.4 | 117.2 | 113.1 | 109.0 | 100.8 | 96.7  |
| 125°   | 146.0 | 146.0 | 150.1 | 154.2 | 156.3 | 150.1 | 141.9 | 135.7 | 129.6 | 119.3 | 113.1 |
| 127.5° | 166.6 | 166.6 | 174.8 | 183.0 | 187.1 | 181.0 | 170.7 | 164.5 | 156.3 | 141.9 | 133.7 |
| 130°   | 187.1 | 187.1 | 199.5 | 211.8 | 218.0 | 213.9 | 203.6 | 195.4 | 185.1 | 166.6 | 156.3 |
| 132.5° | 205.6 | 205.6 | 220.0 | 236.5 | 244.7 | 242.7 | 232.4 | 224.2 | 215.9 | 193.3 | 178.9 |
| 135°   | 220.0 | 222.1 | 240.6 | 259.1 | 269.4 | 271.4 | 261.2 | 250.9 | 240.6 | 215.9 | 199.5 |
| 137.5° | 228.3 | 232.4 | 250.9 | 273.5 | 283.8 | 290.0 | 283.8 | 273.5 | 261.2 | 234.4 | 215.9 |
| 140°   | 230.3 | 232.4 | 252.9 | 275.6 | 285.8 | 294.1 | 294.1 | 281.7 | 271.4 | 244.7 | 224.2 |
| 142.5° | 224.2 | 226.2 | 246.8 | 267.3 | 277.6 | 287.9 | 290.0 | 279.7 | 269.4 | 244.7 | 224.2 |
| 145°   | 209.8 | 213.9 | 232.4 | 248.8 | 263.2 | 273.5 | 277.6 | 271.4 | 259.1 | 236.5 | 218.0 |
| 147.5° | 191.2 | 193.3 | 209.8 | 224.2 | 238.5 | 250.9 | 257.1 | 250.9 | 240.6 | 220.0 | 203.6 |
| 150°   | 162.5 | 164.5 | 176.9 | 189.2 | 205.6 | 218.0 | 226.2 | 222.1 | 213.9 | 197.4 | 181.0 |
| 152.5° | 131.6 | 131.6 | 141.9 | 152.2 | 166.6 | 178.9 | 187.1 | 185.1 | 178.9 | 164.5 | 152.2 |
| 155°   | 100.8 | 100.8 | 106.9 | 115.2 | 127.5 | 135.7 | 144.0 | 144.0 | 139.8 | 129.6 | 119.3 |
| 157.5° | 72.0  | 72.0  | 78.1  | 84.3  | 92.5  | 100.8 | 106.9 | 106.9 | 104.9 | 96.7  | 90.5  |
| 160°   | 47.3  | 47.3  | 51.4  | 55.5  | 63.7  | 67.9  | 74.0  | 74.0  | 72.0  | 67.9  | 63.7  |
| 162.5° | 24.7  | 24.7  | 28.8  | 30.8  | 37.0  | 41.1  | 45.2  | 47.3  | 47.3  | 43.2  | 41.1  |
| 165°   | 8.2   | 8.2   | 8.2   | 10.3  | 14.4  | 18.5  | 20.6  | 22.6  | 22.6  | 20.6  | 20.6  |
| 167.5° | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 2.1   | 4.1   | 6.2   | 6.2   | 6.2   | 6.2   |
| 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°   | 178°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 | 3940.1 |
| 2.5°   | 3658.4 | 3845.5 | 4005.9 | 4174.6 | 4361.7 | 4520.1 | 4680.5 | 4768.9 | 4845.0 | 4830.6 | 4830.6 |
| 5°     | 3442.5 | 3629.6 | 3825.0 | 4030.6 | 4283.6 | 4542.7 | 4789.4 | 4966.3 | 5058.8 | 5073.2 | 5071.2 |
| 7.5°   | 3084.7 | 3259.5 | 3444.5 | 3672.8 | 3968.9 | 4285.6 | 4620.8 | 4898.4 | 5073.2 | 5106.1 | 5112.3 |
| 10°    | 2731.0 | 2862.6 | 3018.9 | 3175.1 | 3440.4 | 3730.4 | 4030.6 | 4252.7 | 4423.4 | 4448.1 | 4476.9 |
| 12.5°  | 2519.1 | 2591.1 | 2691.9 | 2800.9 | 2973.6 | 3185.4 | 3432.2 | 3559.7 | 3668.7 | 3681.0 | 3707.8 |
| 15°    | 2410.1 | 2445.1 | 2469.8 | 2508.9 | 2611.7 | 2743.3 | 2856.4 | 2981.8 | 3027.1 | 3057.9 | 3072.3 |
| 17.5°  | 2367.0 | 2362.8 | 2338.2 | 2338.2 | 2346.4 | 2395.8 | 2467.7 | 2510.9 | 2539.7 | 2554.1 | 2558.2 |
| 20°    | 2278.5 | 2241.5 | 2192.2 | 2126.4 | 2091.4 | 2074.9 | 2093.5 | 2103.7 | 2095.5 | 2085.2 | 2103.7 |
| 22.5°  | 2186.0 | 2107.9 | 2019.4 | 1943.3 | 1852.9 | 1797.3 | 1743.9 | 1725.4 | 1702.7 | 1717.1 | 1717.1 |
| 25°    | 2157.2 | 2019.4 | 1877.5 | 1750.0 | 1614.3 | 1521.8 | 1423.1 | 1388.1 | 1353.1 | 1381.9 | 1381.9 |
| 27.5°  | 1275.0 | 1275.0 | 1194.8 | 1087.9 | 970.6  | 921.3  | 882.2  | 859.6  | 845.2  | 851.4  | 851.4  |
| 30°    | 1141.3 | 1087.9 | 1038.5 | 970.6  | 880.2  | 820.5  | 769.1  | 738.3  | 723.9  | 719.8  | 723.9  |
| 32.5°  | 1059.1 | 1017.9 | 958.3  | 890.4  | 810.2  | 744.4  | 686.9  | 656.0  | 633.4  | 637.5  | 639.6  |
| 35°    | 948.0  | 904.8  | 853.4  | 789.7  | 721.8  | 660.1  | 608.7  | 577.9  | 557.3  | 557.3  | 559.4  |
| 37.5°  | 878.1  | 834.9  | 785.6  | 728.0  | 662.2  | 602.5  | 555.2  | 518.2  | 499.7  | 497.7  | 497.7  |
| 40°    | 834.9  | 791.7  | 746.5  | 688.9  | 627.2  | 565.5  | 518.2  | 485.3  | 462.7  | 462.7  | 464.8  |
| 42.5°  | 756.8  | 715.6  | 676.6  | 625.2  | 569.6  | 516.2  | 470.9  | 442.1  | 419.5  | 415.4  | 419.5  |
| 45°    | 637.5  | 614.9  | 584.0  | 549.1  | 501.8  | 458.6  | 417.5  | 392.8  | 374.3  | 374.3  | 372.2  |
| 47.5°  | 584.0  | 561.4  | 528.5  | 493.5  | 454.5  | 411.3  | 378.4  | 355.8  | 339.3  | 339.3  | 339.3  |
| 50°    | 563.5  | 538.8  | 497.7  | 458.6  | 413.3  | 376.3  | 347.5  | 324.9  | 312.6  | 312.6  | 310.5  |
| 52.5°  | 573.7  | 534.7  | 481.2  | 425.7  | 382.5  | 345.5  | 316.7  | 294.1  | 283.8  | 283.8  | 281.7  |
| 55°    | 629.3  | 559.4  | 481.2  | 413.3  | 361.9  | 320.8  | 292.0  | 267.3  | 257.1  | 257.1  | 257.1  |
| 57.5°  | 651.9  | 573.7  | 477.1  | 401.0  | 343.4  | 300.2  | 265.3  | 242.7  | 232.4  | 232.4  | 230.3  |
| 60°    | 610.8  | 545.0  | 456.5  | 384.6  | 329.0  | 285.8  | 252.9  | 230.3  | 218.0  | 218.0  | 215.9  |
| 62.5°  | 520.3  | 473.0  | 405.1  | 351.7  | 308.5  | 269.4  | 240.6  | 218.0  | 207.7  | 207.7  | 207.7  |
| 65°    | 466.8  | 425.7  | 372.2  | 324.9  | 285.8  | 252.9  | 226.2  | 207.7  | 197.4  | 197.4  | 197.4  |
| 67.5°  | 436.0  | 401.0  | 347.5  | 302.3  | 263.2  | 232.4  | 207.7  | 191.2  | 183.0  | 181.0  | 183.0  |
| 70°    | 403.1  | 366.0  | 316.7  | 273.5  | 238.5  | 209.8  | 187.1  | 170.7  | 162.5  | 162.5  | 162.5  |
| 72.5°  | 368.1  | 333.1  | 285.8  | 246.8  | 211.8  | 189.2  | 166.6  | 152.2  | 144.0  | 144.0  | 141.9  |
| 75°    | 335.2  | 300.2  | 255.0  | 218.0  | 189.2  | 166.6  | 148.1  | 135.7  | 127.5  | 127.5  | 127.5  |
| 77.5°  | 304.4  | 271.4  | 228.3  | 195.4  | 168.6  | 150.1  | 131.6  | 121.3  | 115.2  | 115.2  | 113.1  |
| 80°    | 275.6  | 244.7  | 203.6  | 174.8  | 150.1  | 133.7  | 117.2  | 109.0  | 102.8  | 102.8  | 102.8  |
| 82.5°  | 246.8  | 218.0  | 181.0  | 154.2  | 133.7  | 117.2  | 104.9  | 96.7   | 92.5   | 90.5   | 92.5   |
| 85°    | 220.0  | 193.3  | 160.4  | 135.7  | 117.2  | 102.8  | 92.5   | 84.3   | 80.2   | 80.2   | 80.2   |
| 87.5°  | 195.4  | 170.7  | 141.9  | 119.3  | 102.8  | 90.5   | 80.2   | 74.0   | 72.0   | 69.9   | 69.9   |
| 90°    | 168.6  | 146.0  | 121.3  | 102.8  | 88.4   | 78.1   | 67.9   | 63.7   | 59.6   | 59.6   | 59.6   |
| 92.5°  | 150.1  | 131.6  | 109.0  | 92.5   | 80.2   | 72.0   | 63.7   | 59.6   | 55.5   | 55.5   | 55.5   |
| 95°    | 131.6  | 115.2  | 96.7   | 84.3   | 74.0   | 65.8   | 59.6   | 55.5   | 53.5   | 53.5   | 53.5   |
| 97.5°  | 113.1  | 100.8  | 86.4   | 76.1   | 67.9   | 61.7   | 55.5   | 51.4   | 49.4   | 49.4   | 49.4   |
| 100°   | 94.6   | 86.4   | 76.1   | 67.9   | 61.7   | 55.5   | 49.4   | 47.3   | 45.2   | 45.2   | 45.2   |
| 102.5° | 78.1   | 72.0   | 63.7   | 57.6   | 51.4   | 47.3   | 43.2   | 41.1   | 39.1   | 39.1   | 39.1   |
| 105°   | 67.9   | 63.7   | 57.6   | 51.4   | 47.3   | 43.2   | 39.1   | 35.0   | 35.0   | 35.0   | 35.0   |
| 107.5° | 63.7   | 57.6   | 53.5   | 49.4   | 45.2   | 39.1   | 37.0   | 32.9   | 30.8   | 30.8   | 30.8   |
| 110°   | 61.7   | 57.6   | 53.5   | 47.3   | 43.2   | 39.1   | 35.0   | 30.8   | 28.8   | 28.8   | 28.8   |

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CATALOG NUMBER: CRTK2-C016-5TLD-U-T3-7040-RMARROA5-HSS-CRTK2

**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115°  | 125°  | 135° | 145° | 155° | 165° | 175° | 178° | 180° |
|--------|-------|-------|-------|-------|------|------|------|------|------|------|------|
| 112.5° | 61.7  | 57.6  | 53.5  | 49.4  | 45.2 | 39.1 | 37.0 | 28.8 | 26.7 | 26.7 | 26.7 |
| 115°   | 65.8  | 61.7  | 55.5  | 51.4  | 45.2 | 41.1 | 37.0 | 28.8 | 26.7 | 26.7 | 26.7 |
| 117.5° | 69.9  | 65.8  | 59.6  | 55.5  | 49.4 | 43.2 | 37.0 | 28.8 | 26.7 | 26.7 | 26.7 |
| 120°   | 80.2  | 74.0  | 65.8  | 59.6  | 53.5 | 45.2 | 39.1 | 28.8 | 24.7 | 26.7 | 26.7 |
| 122.5° | 90.5  | 84.3  | 74.0  | 65.8  | 57.6 | 49.4 | 39.1 | 28.8 | 24.7 | 26.7 | 26.7 |
| 125°   | 106.9 | 96.7  | 84.3  | 74.0  | 61.7 | 51.4 | 41.1 | 28.8 | 22.6 | 24.7 | 26.7 |
| 127.5° | 125.4 | 113.1 | 96.7  | 82.3  | 67.9 | 53.5 | 41.1 | 28.8 | 22.6 | 24.7 | 24.7 |
| 130°   | 146.0 | 129.6 | 109.0 | 88.4  | 72.0 | 55.5 | 41.1 | 28.8 | 22.6 | 24.7 | 24.7 |
| 132.5° | 166.6 | 144.0 | 119.3 | 96.7  | 76.1 | 57.6 | 41.1 | 26.7 | 22.6 | 22.6 | 22.6 |
| 135°   | 183.0 | 156.3 | 127.5 | 100.8 | 78.1 | 57.6 | 39.1 | 26.7 | 20.6 | 20.6 | 20.6 |
| 137.5° | 197.4 | 166.6 | 133.7 | 102.8 | 78.1 | 55.5 | 37.0 | 24.7 | 18.5 | 18.5 | 18.5 |
| 140°   | 205.6 | 170.7 | 135.7 | 100.8 | 74.0 | 53.5 | 35.0 | 22.6 | 16.5 | 16.5 | 16.5 |
| 142.5° | 205.6 | 168.6 | 131.6 | 98.7  | 69.9 | 49.4 | 30.8 | 18.5 | 14.4 | 14.4 | 14.4 |
| 145°   | 197.4 | 160.4 | 125.4 | 92.5  | 63.7 | 43.2 | 26.7 | 16.5 | 12.3 | 12.3 | 12.3 |
| 147.5° | 185.1 | 148.1 | 115.2 | 84.3  | 57.6 | 37.0 | 22.6 | 14.4 | 10.3 | 10.3 | 10.3 |
| 150°   | 164.5 | 131.6 | 100.8 | 72.0  | 49.4 | 30.8 | 18.5 | 12.3 | 8.2  | 8.2  | 8.2  |
| 152.5° | 137.8 | 109.0 | 84.3  | 59.6  | 41.1 | 24.7 | 16.5 | 8.2  | 6.2  | 6.2  | 6.2  |
| 155°   | 109.0 | 86.4  | 65.8  | 47.3  | 30.8 | 18.5 | 12.3 | 8.2  | 4.1  | 4.1  | 4.1  |
| 157.5° | 82.3  | 63.7  | 49.4  | 35.0  | 22.6 | 14.4 | 8.2  | 6.2  | 4.1  | 4.1  | 4.1  |
| 160°   | 57.6  | 45.2  | 32.9  | 22.6  | 14.4 | 10.3 | 6.2  | 4.1  | 2.1  | 2.1  | 2.1  |
| 162.5° | 37.0  | 28.8  | 20.6  | 14.4  | 8.2  | 6.2  | 4.1  | 2.1  | 2.1  | 2.1  | 0.0  |
| 165°   | 18.5  | 14.4  | 10.3  | 6.2   | 4.1  | 2.1  | 2.1  | 2.1  | 0.0  | 0.0  | 0.0  |
| 167.5° | 4.1   | 4.1   | 4.1   | 2.1   | 2.1  | 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)