

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: P691054

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-7040-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691054  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C013-5TLD-U-T3-7040-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2975 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B2 - U3 - 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



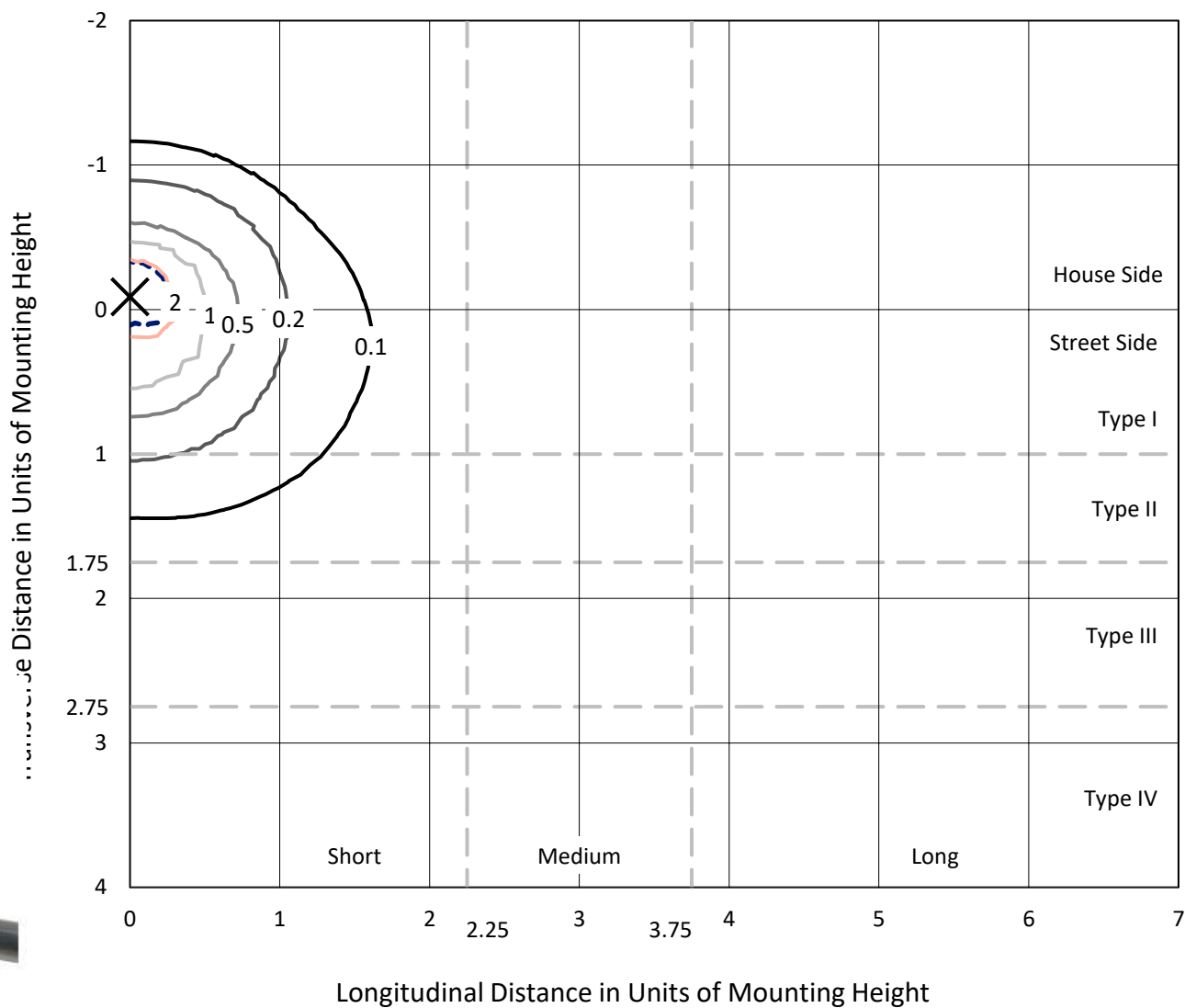
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



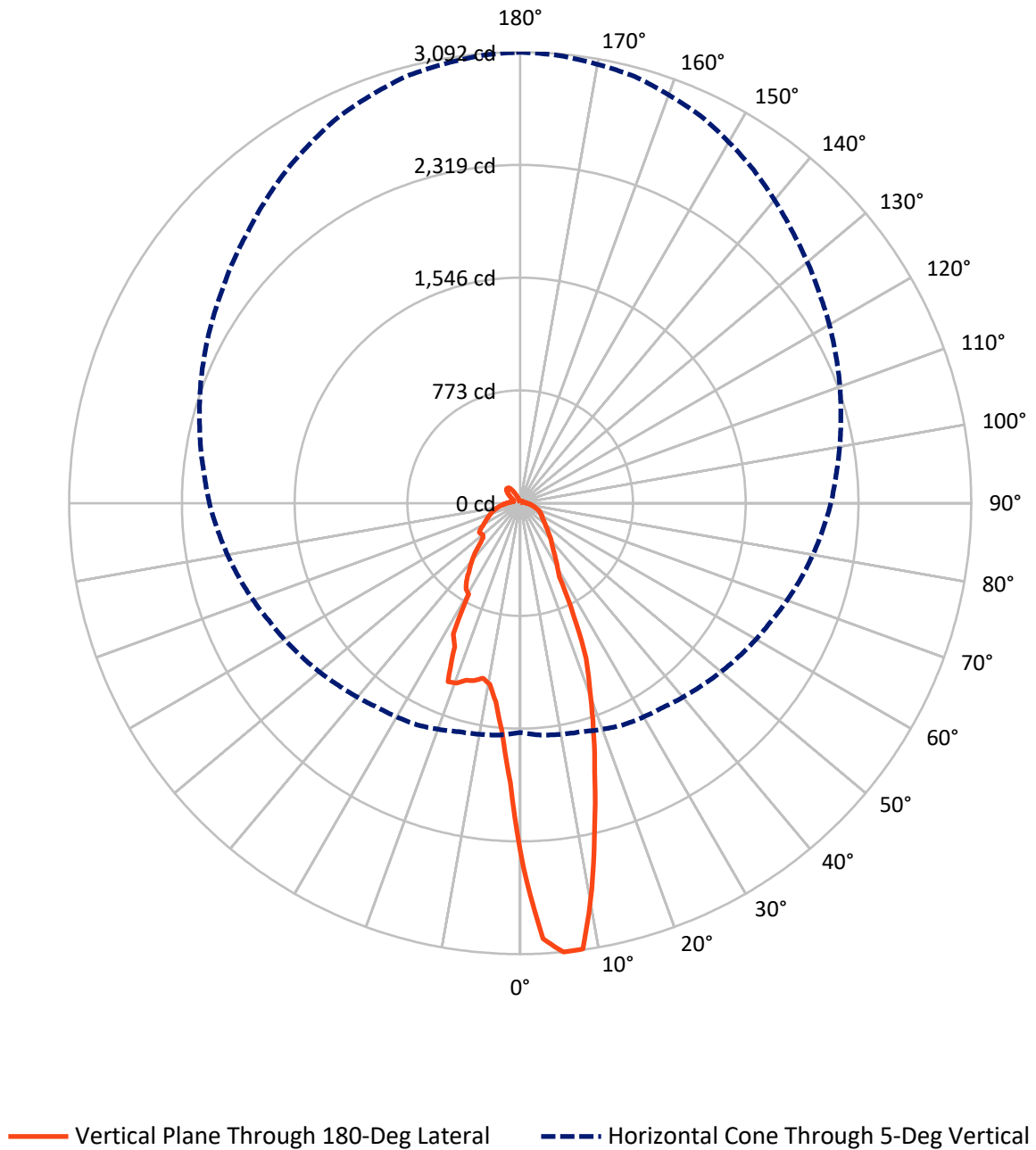
Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

Type I - Short - N/A

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## Luminous Intensity Polar Plot



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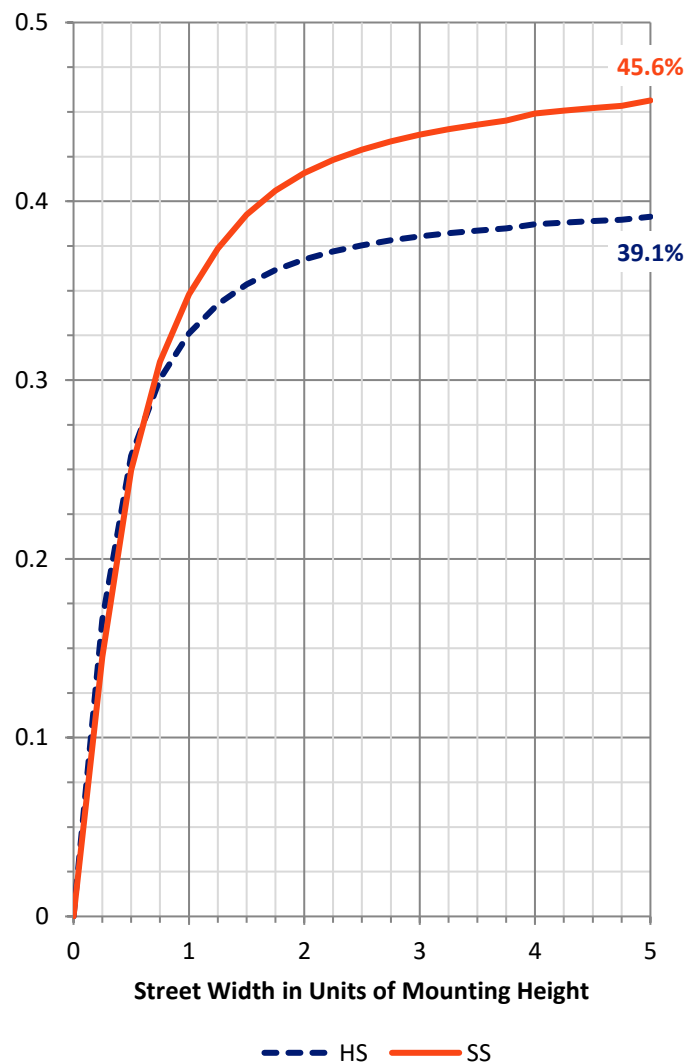
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1195.7   | 128.2  | 1323.9 |
|                    | % Fixture | 40.2     | 4.3    | 44.5   |
| <b>Street Side</b> | Lumens    | 1395.4   | 255.7  | 1651.1 |
|                    | % Fixture | 46.9     | 8.6    | 55.5   |
| <b>Total</b>       | Lumens    | 2591.1   | 383.9  | 2975.0 |
|                    | % Fixture | 87.1     | 12.9   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 200.0  | 6.7       |
| 10°-20°   | 428.9  | 14.4      |
| 20°-30°   | 472.2  | 15.9      |
| 30°-40°   | 347.0  | 11.7      |
| 40°-50°   | 290.7  | 9.8       |
| 50°-60°   | 291.7  | 9.8       |
| 60°-70°   | 249.8  | 8.4       |
| 70°-80°   | 186.1  | 6.3       |
| 80°-90°   | 124.5  | 4.2       |
| 90°-100°  | 74.0   | 2.5       |
| 100°-110° | 43.0   | 1.4       |
| 110°-120° | 40.0   | 1.3       |
| 120°-130° | 57.9   | 1.9       |
| 130°-140° | 78.0   | 2.6       |
| 140°-150° | 63.1   | 2.1       |
| 150°-160° | 24.9   | 0.8       |
| 160°-170° | 3.0    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2591.1 | 87.1      |
| 0°-180°   | 2975.0 | 100.0     |

**Coefficient of Utilization**



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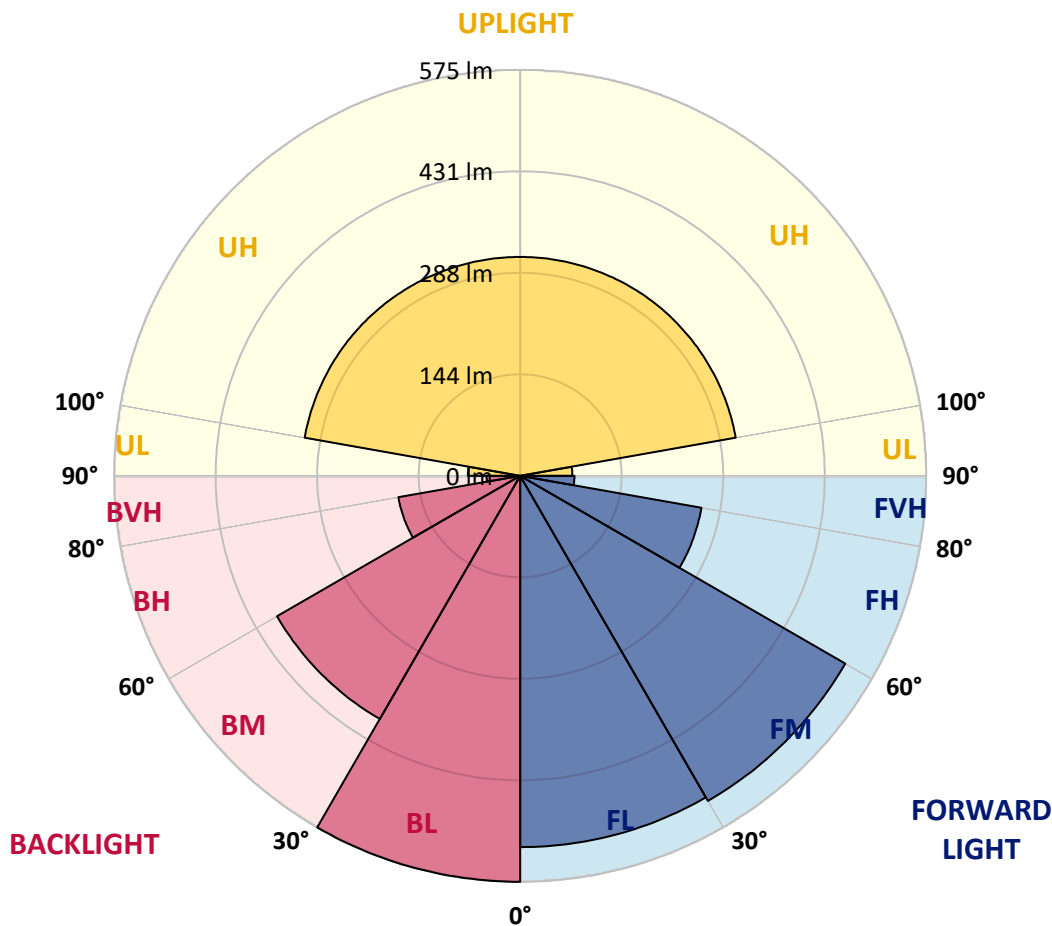
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-7040-RMARROA5

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 526.0  | 17.7      |                         |        |        |
| FM   | (30°-60°)   | 531.8  | 17.9      |                         |        |        |
| FH   | (60°-80°)   | 260.7  | 8.8       |                         |        | G0/660 |
| FVH  | (80°-90°)   | 76.9   | 2.6       |                         |        | G1/100 |
| BL   | (0°-30°)    | 575.1  | 19.3      | B2/1000                 |        |        |
| BM   | (30°-60°)   | 397.7  | 13.4      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 175.2  | 5.9       | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 47.7   | 1.6       |                         |        | G1/100 |
| UL   | (90°-100°)  | 74.0   | 2.5       |                         | U3/500 |        |
| UH   | (100°-180°) | 310.0  | 10.4      |                         | U3/500 |        |

**BUG Rating: B2-U3-G1**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 |
| 2.5°   | 1918.6 | 1946.9 | 1961.1 | 2003.6 | 2017.8 | 2045.0 | 2086.3 | 2127.7 | 2197.4 | 2249.4 | 2289.5 |
| 5°     | 1572.4 | 1596.1 | 1622.0 | 1676.4 | 1708.3 | 1765.0 | 1831.1 | 1902.0 | 1991.8 | 2082.8 | 2130.0 |
| 7.5°   | 1370.4 | 1376.3 | 1414.1 | 1480.3 | 1538.2 | 1598.4 | 1670.5 | 1731.9 | 1793.3 | 1867.8 | 1915.0 |
| 10°    | 1259.4 | 1267.6 | 1292.4 | 1343.2 | 1392.9 | 1442.5 | 1499.2 | 1546.4 | 1609.0 | 1671.7 | 1700.0 |
| 12.5°  | 1226.3 | 1229.8 | 1251.1 | 1280.6 | 1312.5 | 1344.4 | 1388.1 | 1430.7 | 1486.2 | 1540.5 | 1559.4 |
| 15°    | 1255.8 | 1255.8 | 1259.4 | 1271.2 | 1287.7 | 1312.5 | 1345.6 | 1382.2 | 1433.0 | 1473.2 | 1493.3 |
| 17.5°  | 1270.0 | 1271.2 | 1280.6 | 1283.0 | 1298.3 | 1309.0 | 1338.5 | 1366.9 | 1415.3 | 1448.4 | 1459.0 |
| 20°    | 1307.8 | 1307.8 | 1309.0 | 1314.9 | 1317.2 | 1323.2 | 1336.1 | 1351.5 | 1391.7 | 1409.4 | 1407.0 |
| 22.5°  | 1319.6 | 1314.9 | 1333.8 | 1368.0 | 1366.9 | 1368.0 | 1356.2 | 1359.8 | 1382.2 | 1375.1 | 1358.6 |
| 25°    | 1083.3 | 1077.4 | 1098.7 | 1120.0 | 1150.7 | 1189.7 | 1286.5 | 1362.1 | 1390.5 | 1368.0 | 1331.4 |
| 27.5°  | 1007.7 | 981.7  | 975.8  | 925.0  | 879.0  | 803.3  | 796.3  | 749.0  | 744.3  | 773.8  | 801.0  |
| 30°    | 715.9  | 717.1  | 715.9  | 711.2  | 707.6  | 711.2  | 714.7  | 706.5  | 708.8  | 727.7  | 719.5  |
| 32.5°  | 698.2  | 698.2  | 693.5  | 691.1  | 680.5  | 676.9  | 671.0  | 655.7  | 658.0  | 672.2  | 668.7  |
| 35°    | 650.9  | 648.6  | 649.8  | 643.9  | 625.0  | 609.6  | 607.2  | 594.2  | 594.2  | 602.5  | 599.0  |
| 37.5°  | 580.1  | 576.5  | 590.7  | 589.5  | 574.2  | 568.2  | 562.3  | 554.1  | 554.1  | 561.2  | 554.1  |
| 40°    | 524.5  | 522.2  | 537.5  | 542.3  | 532.8  | 535.2  | 536.3  | 529.3  | 536.3  | 537.5  | 528.1  |
| 42.5°  | 465.5  | 464.3  | 477.3  | 476.1  | 467.8  | 466.6  | 465.5  | 460.7  | 472.6  | 482.0  | 474.9  |
| 45°    | 395.8  | 392.2  | 401.7  | 405.2  | 402.9  | 399.3  | 398.1  | 398.1  | 405.2  | 409.9  | 402.9  |
| 47.5°  | 349.7  | 350.9  | 358.0  | 366.2  | 368.6  | 371.0  | 369.8  | 367.4  | 372.1  | 373.3  | 367.4  |
| 50°    | 334.3  | 335.5  | 346.1  | 355.6  | 362.7  | 367.4  | 367.4  | 363.9  | 367.4  | 363.9  | 355.6  |
| 52.5°  | 341.4  | 341.4  | 355.6  | 369.8  | 381.6  | 389.9  | 391.0  | 386.3  | 386.3  | 376.9  | 363.9  |
| 55°    | 343.8  | 346.1  | 365.0  | 388.7  | 409.9  | 432.4  | 443.0  | 439.5  | 443.0  | 422.9  | 401.7  |
| 57.5°  | 321.3  | 327.2  | 346.1  | 374.5  | 402.9  | 438.3  | 460.7  | 463.1  | 461.9  | 444.2  | 418.2  |
| 60°    | 291.8  | 296.5  | 309.5  | 334.3  | 361.5  | 389.9  | 412.3  | 417.0  | 421.8  | 413.5  | 389.9  |
| 62.5°  | 271.7  | 274.1  | 284.7  | 302.4  | 321.3  | 336.7  | 345.0  | 343.8  | 348.5  | 346.1  | 328.4  |
| 65°    | 254.0  | 255.2  | 267.0  | 281.2  | 293.0  | 308.3  | 310.7  | 310.7  | 314.2  | 309.5  | 295.3  |
| 67.5°  | 235.1  | 235.1  | 244.5  | 257.5  | 271.7  | 284.7  | 288.3  | 289.4  | 294.2  | 289.4  | 278.8  |
| 70°    | 218.6  | 218.6  | 226.8  | 237.5  | 248.1  | 261.1  | 264.6  | 265.8  | 271.7  | 265.8  | 255.2  |
| 72.5°  | 203.2  | 203.2  | 210.3  | 219.7  | 229.2  | 239.8  | 243.4  | 244.5  | 249.3  | 243.4  | 235.1  |
| 75°    | 186.7  | 187.8  | 193.7  | 202.0  | 210.3  | 219.7  | 224.5  | 224.5  | 228.0  | 220.9  | 213.8  |
| 77.5°  | 170.1  | 171.3  | 177.2  | 184.3  | 191.4  | 200.8  | 203.2  | 204.4  | 207.9  | 200.8  | 193.7  |
| 80°    | 153.6  | 155.9  | 160.7  | 166.6  | 173.7  | 180.8  | 185.5  | 185.5  | 187.8  | 180.8  | 176.0  |
| 82.5°  | 138.2  | 140.6  | 144.1  | 148.9  | 155.9  | 163.0  | 167.8  | 167.8  | 168.9  | 163.0  | 157.1  |
| 85°    | 122.9  | 125.2  | 128.8  | 132.3  | 138.2  | 145.3  | 150.0  | 150.0  | 151.2  | 145.3  | 140.6  |
| 87.5°  | 108.7  | 111.1  | 113.4  | 117.0  | 121.7  | 128.8  | 133.5  | 133.5  | 133.5  | 128.8  | 124.0  |
| 90°    | 94.5   | 95.7   | 98.1   | 101.6  | 106.3  | 112.2  | 115.8  | 117.0  | 117.0  | 111.1  | 108.7  |
| 92.5°  | 83.9   | 83.9   | 86.2   | 88.6   | 93.3   | 98.1   | 101.6  | 102.8  | 102.8  | 99.2   | 95.7   |
| 95°    | 72.1   | 73.2   | 74.4   | 76.8   | 80.3   | 83.9   | 88.6   | 88.6   | 88.6   | 86.2   | 83.9   |
| 97.5°  | 63.8   | 62.6   | 63.8   | 65.0   | 68.5   | 70.9   | 74.4   | 75.6   | 75.6   | 73.2   | 72.1   |
| 100°   | 54.3   | 55.5   | 55.5   | 56.7   | 57.9   | 59.1   | 61.4   | 62.6   | 62.6   | 61.4   | 61.4   |
| 102.5° | 50.8   | 49.6   | 49.6   | 49.6   | 49.6   | 49.6   | 50.8   | 50.8   | 52.0   | 50.8   | 49.6   |
| 105°   | 47.3   | 47.3   | 47.3   | 47.3   | 46.1   | 46.1   | 46.1   | 46.1   | 44.9   | 43.7   | 43.7   |
| 107.5° | 46.1   | 46.1   | 46.1   | 46.1   | 44.9   | 44.9   | 43.7   | 43.7   | 42.5   | 41.3   | 40.2   |
| 110°   | 46.1   | 46.1   | 46.1   | 46.1   | 44.9   | 43.7   | 43.7   | 42.5   | 41.3   | 40.2   | 39.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 48.4  | 48.4  | 48.4  | 48.4  | 46.1  | 44.9  | 43.7  | 43.7  | 41.3  | 40.2  | 39.0  |
| 115°   | 53.2  | 53.2  | 52.0  | 52.0  | 50.8  | 48.4  | 47.3  | 46.1  | 44.9  | 42.5  | 41.3  |
| 117.5° | 57.9  | 57.9  | 57.9  | 57.9  | 56.7  | 54.3  | 52.0  | 50.8  | 49.6  | 46.1  | 44.9  |
| 120°   | 66.2  | 66.2  | 66.2  | 67.3  | 65.0  | 62.6  | 60.3  | 57.9  | 56.7  | 53.2  | 50.8  |
| 122.5° | 76.8  | 75.6  | 78.0  | 79.2  | 78.0  | 74.4  | 70.9  | 68.5  | 66.2  | 61.4  | 59.1  |
| 125°   | 87.4  | 87.4  | 89.8  | 93.3  | 93.3  | 89.8  | 85.1  | 81.5  | 79.2  | 72.1  | 68.5  |
| 127.5° | 100.4 | 100.4 | 104.0 | 109.9 | 111.1 | 107.5 | 102.8 | 98.1  | 94.5  | 85.1  | 81.5  |
| 130°   | 112.2 | 112.2 | 119.3 | 126.4 | 130.0 | 126.4 | 121.7 | 115.8 | 111.1 | 100.4 | 94.5  |
| 132.5° | 121.7 | 122.9 | 131.1 | 140.6 | 145.3 | 144.1 | 138.2 | 133.5 | 128.8 | 115.8 | 108.7 |
| 135°   | 131.1 | 132.3 | 141.8 | 153.6 | 159.5 | 159.5 | 154.8 | 148.9 | 142.9 | 128.8 | 120.5 |
| 137.5° | 135.9 | 137.0 | 148.9 | 160.7 | 167.8 | 170.1 | 167.8 | 161.8 | 155.9 | 140.6 | 130.0 |
| 140°   | 135.9 | 138.2 | 150.0 | 161.8 | 168.9 | 172.5 | 172.5 | 166.6 | 160.7 | 146.5 | 135.9 |
| 142.5° | 132.3 | 134.7 | 145.3 | 157.1 | 164.2 | 168.9 | 170.1 | 165.4 | 159.5 | 145.3 | 134.7 |
| 145°   | 125.2 | 126.4 | 137.0 | 147.7 | 154.8 | 160.7 | 163.0 | 159.5 | 152.4 | 140.6 | 130.0 |
| 147.5° | 113.4 | 113.4 | 122.9 | 131.1 | 140.6 | 146.5 | 150.0 | 147.7 | 141.8 | 131.1 | 121.7 |
| 150°   | 96.9  | 96.9  | 104.0 | 112.2 | 120.5 | 127.6 | 131.1 | 131.1 | 125.2 | 117.0 | 107.5 |
| 152.5° | 76.8  | 78.0  | 82.7  | 89.8  | 98.1  | 104.0 | 108.7 | 108.7 | 105.1 | 98.1  | 89.8  |
| 155°   | 59.1  | 59.1  | 62.6  | 67.3  | 74.4  | 80.3  | 83.9  | 83.9  | 81.5  | 75.6  | 70.9  |
| 157.5° | 42.5  | 42.5  | 44.9  | 49.6  | 54.3  | 59.1  | 62.6  | 62.6  | 60.3  | 56.7  | 53.2  |
| 160°   | 28.4  | 28.4  | 29.5  | 33.1  | 36.6  | 40.2  | 42.5  | 43.7  | 42.5  | 40.2  | 36.6  |
| 162.5° | 15.4  | 15.4  | 16.5  | 18.9  | 21.3  | 24.8  | 26.0  | 27.2  | 27.2  | 24.8  | 23.6  |
| 165°   | 4.7   | 4.7   | 4.7   | 7.1   | 8.3   | 10.6  | 11.8  | 13.0  | 13.0  | 13.0  | 11.8  |
| 167.5° | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 1.2   | 2.4   | 3.5   | 3.5   | 3.5   | 3.5   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.2   | 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°     | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 | 2490.4 |
| 2.5°   | 2327.3 | 2414.8 | 2511.6 | 2610.9 | 2712.5 | 2808.2 | 2888.5 | 2952.3 | 2986.5 | 2994.8 | 2990.1 |
| 5°     | 2172.6 | 2275.3 | 2388.8 | 2504.5 | 2636.9 | 2789.3 | 2928.7 | 3029.1 | 3081.1 | 3089.3 | 3091.7 |
| 7.5°   | 1951.6 | 2041.4 | 2152.5 | 2286.0 | 2452.6 | 2615.6 | 2830.6 | 2980.6 | 3064.5 | 3087.0 | 3087.0 |
| 10°    | 1718.9 | 1798.1 | 1867.8 | 1984.7 | 2130.0 | 2282.4 | 2465.6 | 2603.8 | 2688.8 | 2716.0 | 2692.4 |
| 12.5°  | 1587.8 | 1622.0 | 1669.3 | 1755.5 | 1846.5 | 1962.3 | 2120.6 | 2210.4 | 2265.9 | 2282.4 | 2268.3 |
| 15°    | 1503.9 | 1521.6 | 1541.7 | 1578.3 | 1642.1 | 1714.2 | 1807.5 | 1863.0 | 1897.3 | 1917.4 | 1910.3 |
| 17.5°  | 1463.7 | 1463.7 | 1460.2 | 1468.5 | 1485.0 | 1518.1 | 1581.9 | 1602.0 | 1617.3 | 1625.6 | 1620.9 |
| 20°    | 1402.3 | 1383.4 | 1368.0 | 1344.4 | 1335.0 | 1333.8 | 1349.1 | 1370.4 | 1369.2 | 1370.4 | 1361.0 |
| 22.5°  | 1340.9 | 1301.9 | 1264.1 | 1228.6 | 1188.5 | 1168.4 | 1154.2 | 1161.3 | 1155.4 | 1161.3 | 1155.4 |
| 25°    | 1311.3 | 1232.2 | 1156.6 | 1070.3 | 998.3  | 942.7  | 906.1  | 883.7  | 845.9  | 860.0  | 847.1  |
| 27.5°  | 814.0  | 780.9  | 749.0  | 685.2  | 625.0  | 603.7  | 586.0  | 576.5  | 569.4  | 573.0  | 570.6  |
| 30°    | 705.3  | 678.1  | 653.3  | 620.2  | 574.2  | 545.8  | 524.5  | 505.6  | 499.7  | 500.9  | 499.7  |
| 32.5°  | 654.5  | 633.2  | 602.5  | 568.2  | 526.9  | 491.5  | 466.6  | 448.9  | 439.5  | 445.4  | 440.7  |
| 35°    | 586.0  | 564.7  | 538.7  | 506.8  | 471.4  | 439.5  | 415.8  | 399.3  | 388.7  | 391.0  | 389.9  |
| 37.5°  | 541.1  | 521.0  | 498.5  | 464.3  | 433.6  | 402.9  | 379.2  | 362.7  | 352.1  | 354.4  | 352.1  |
| 40°    | 515.1  | 492.6  | 469.0  | 438.3  | 407.6  | 375.7  | 353.2  | 334.3  | 323.7  | 323.7  | 323.7  |
| 42.5°  | 461.9  | 444.2  | 424.1  | 392.2  | 365.0  | 337.9  | 315.4  | 301.3  | 289.4  | 290.6  | 288.3  |
| 45°    | 394.6  | 381.6  | 366.2  | 345.0  | 322.5  | 301.3  | 282.4  | 271.7  | 262.3  | 263.4  | 262.3  |
| 47.5°  | 360.3  | 348.5  | 330.8  | 314.2  | 294.2  | 275.3  | 258.7  | 245.7  | 238.6  | 239.8  | 237.5  |
| 50°    | 347.3  | 333.2  | 313.1  | 290.6  | 271.7  | 252.8  | 236.3  | 226.8  | 219.7  | 220.9  | 219.7  |
| 52.5°  | 352.1  | 329.6  | 301.3  | 274.1  | 251.6  | 232.7  | 219.7  | 209.1  | 204.4  | 205.6  | 203.2  |
| 55°    | 382.8  | 343.8  | 301.3  | 267.0  | 238.6  | 217.4  | 204.4  | 192.6  | 187.8  | 187.8  | 187.8  |
| 57.5°  | 393.4  | 350.9  | 297.7  | 258.7  | 228.0  | 206.7  | 191.4  | 179.6  | 174.8  | 174.8  | 174.8  |
| 60°    | 368.6  | 332.0  | 283.5  | 246.9  | 218.6  | 198.5  | 185.5  | 177.2  | 173.7  | 173.7  | 173.7  |
| 62.5°  | 315.4  | 291.8  | 255.2  | 225.6  | 204.4  | 186.7  | 173.7  | 163.0  | 159.5  | 158.3  | 158.3  |
| 65°    | 285.9  | 263.4  | 232.7  | 207.9  | 189.0  | 174.8  | 163.0  | 154.8  | 150.0  | 150.0  | 150.0  |
| 67.5°  | 267.0  | 245.7  | 217.4  | 193.7  | 176.0  | 160.7  | 150.0  | 141.8  | 139.4  | 138.2  | 138.2  |
| 70°    | 245.7  | 225.6  | 197.3  | 176.0  | 159.5  | 146.5  | 135.9  | 128.8  | 126.4  | 126.4  | 125.2  |
| 72.5°  | 224.5  | 205.6  | 178.4  | 158.3  | 142.9  | 131.1  | 121.7  | 115.8  | 113.4  | 112.2  | 112.2  |
| 75°    | 204.4  | 185.5  | 160.7  | 141.8  | 127.6  | 117.0  | 108.7  | 102.8  | 100.4  | 100.4  | 100.4  |
| 77.5°  | 185.5  | 167.8  | 144.1  | 126.4  | 114.6  | 104.0  | 96.9   | 92.1   | 89.8   | 89.8   | 89.8   |
| 80°    | 167.8  | 150.0  | 128.8  | 112.2  | 100.4  | 92.1   | 86.2   | 81.5   | 79.2   | 80.3   | 79.2   |
| 82.5°  | 148.9  | 134.7  | 114.6  | 99.2   | 89.8   | 81.5   | 75.6   | 72.1   | 69.7   | 70.9   | 69.7   |
| 85°    | 133.5  | 119.3  | 100.4  | 87.4   | 78.0   | 70.9   | 66.2   | 62.6   | 60.3   | 61.4   | 60.3   |
| 87.5°  | 118.1  | 105.1  | 88.6   | 76.8   | 68.5   | 62.6   | 56.7   | 54.3   | 53.2   | 53.2   | 52.0   |
| 90°    | 101.6  | 89.8   | 75.6   | 66.2   | 57.9   | 53.2   | 48.4   | 46.1   | 44.9   | 43.7   | 43.7   |
| 92.5°  | 89.8   | 80.3   | 67.3   | 59.1   | 52.0   | 48.4   | 43.7   | 41.3   | 40.2   | 40.2   | 40.2   |
| 95°    | 79.2   | 70.9   | 60.3   | 53.2   | 48.4   | 43.7   | 40.2   | 39.0   | 37.8   | 37.8   | 36.6   |
| 97.5°  | 68.5   | 61.4   | 54.3   | 48.4   | 43.7   | 40.2   | 36.6   | 35.4   | 34.3   | 34.3   | 34.3   |
| 100°   | 57.9   | 53.2   | 47.3   | 42.5   | 39.0   | 36.6   | 33.1   | 31.9   | 30.7   | 30.7   | 30.7   |
| 102.5° | 48.4   | 44.9   | 40.2   | 36.6   | 34.3   | 31.9   | 29.5   | 28.4   | 27.2   | 27.2   | 27.2   |
| 105°   | 42.5   | 39.0   | 36.6   | 33.1   | 30.7   | 28.4   | 27.2   | 24.8   | 23.6   | 23.6   | 23.6   |
| 107.5° | 39.0   | 36.6   | 34.3   | 31.9   | 29.5   | 27.2   | 24.8   | 22.4   | 21.3   | 21.3   | 21.3   |
| 110°   | 37.8   | 35.4   | 33.1   | 30.7   | 28.4   | 26.0   | 24.8   | 21.3   | 20.1   | 20.1   | 20.1   |

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**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 179° | 180° |
|--------|-------|-------|------|------|------|------|------|------|------|------|------|
| 112.5° | 37.8  | 36.6  | 34.3 | 31.9 | 29.5 | 27.2 | 24.8 | 20.1 | 18.9 | 18.9 | 18.9 |
| 115°   | 40.2  | 37.8  | 35.4 | 33.1 | 30.7 | 28.4 | 26.0 | 20.1 | 18.9 | 18.9 | 18.9 |
| 117.5° | 43.7  | 41.3  | 37.8 | 35.4 | 33.1 | 29.5 | 26.0 | 21.3 | 18.9 | 18.9 | 18.9 |
| 120°   | 49.6  | 46.1  | 42.5 | 39.0 | 35.4 | 31.9 | 27.2 | 21.3 | 17.7 | 18.9 | 18.9 |
| 122.5° | 56.7  | 53.2  | 47.3 | 42.5 | 39.0 | 34.3 | 28.4 | 22.4 | 17.7 | 18.9 | 18.9 |
| 125°   | 66.2  | 61.4  | 54.3 | 48.4 | 42.5 | 36.6 | 29.5 | 22.4 | 17.7 | 18.9 | 20.1 |
| 127.5° | 76.8  | 69.7  | 61.4 | 53.2 | 46.1 | 39.0 | 31.9 | 23.6 | 17.7 | 20.1 | 20.1 |
| 130°   | 88.6  | 80.3  | 69.7 | 59.1 | 50.8 | 41.3 | 33.1 | 23.6 | 18.9 | 18.9 | 18.9 |
| 132.5° | 101.6 | 89.8  | 75.6 | 63.8 | 53.2 | 42.5 | 33.1 | 23.6 | 18.9 | 18.9 | 18.9 |
| 135°   | 111.1 | 96.9  | 81.5 | 67.3 | 55.5 | 43.7 | 34.3 | 23.6 | 17.7 | 17.7 | 17.7 |
| 137.5° | 119.3 | 102.8 | 86.2 | 69.7 | 56.7 | 43.7 | 33.1 | 22.4 | 17.7 | 16.5 | 16.5 |
| 140°   | 124.0 | 105.1 | 86.2 | 69.7 | 55.5 | 42.5 | 30.7 | 21.3 | 15.4 | 15.4 | 15.4 |
| 142.5° | 124.0 | 104.0 | 85.1 | 67.3 | 52.0 | 40.2 | 29.5 | 18.9 | 14.2 | 14.2 | 14.2 |
| 145°   | 119.3 | 99.2  | 80.3 | 63.8 | 48.4 | 36.6 | 26.0 | 17.7 | 13.0 | 13.0 | 13.0 |
| 147.5° | 111.1 | 91.0  | 73.2 | 57.9 | 42.5 | 31.9 | 22.4 | 14.2 | 10.6 | 10.6 | 10.6 |
| 150°   | 99.2  | 80.3  | 63.8 | 49.6 | 36.6 | 26.0 | 18.9 | 11.8 | 8.3  | 8.3  | 8.3  |
| 152.5° | 82.7  | 67.3  | 52.0 | 41.3 | 29.5 | 21.3 | 14.2 | 9.5  | 7.1  | 7.1  | 7.1  |
| 155°   | 65.0  | 53.2  | 41.3 | 31.9 | 22.4 | 15.4 | 10.6 | 7.1  | 4.7  | 4.7  | 4.7  |
| 157.5° | 49.6  | 40.2  | 30.7 | 23.6 | 16.5 | 11.8 | 8.3  | 4.7  | 3.5  | 3.5  | 3.5  |
| 160°   | 34.3  | 27.2  | 21.3 | 16.5 | 10.6 | 8.3  | 5.9  | 3.5  | 2.4  | 2.4  | 2.4  |
| 162.5° | 22.4  | 17.7  | 13.0 | 9.5  | 7.1  | 4.7  | 3.5  | 2.4  | 1.2  | 1.2  | 1.2  |
| 165°   | 10.6  | 8.3   | 7.1  | 4.7  | 3.5  | 2.4  | 1.2  | 1.2  | 0.0  | 0.0  | 0.0  |
| 167.5° | 3.5   | 2.4   | 2.4  | 1.2  | 1.2  | 1.2  | 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)