

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: P691898

Luminaire Tested: **CRTK2-C01H-D-U-T3-8027-RMARROA5**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691898  
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-C01H-D-U-T3-8027-RMARROA5  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND NEMA REFRACTOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7143 lumens  
Efficiency: N/A  
Efficacy: 101.8 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')  
IES Classification: Type I - Short  
BUG Rating: B3 - U4 - G2

Input Watts (W): 70.2  
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



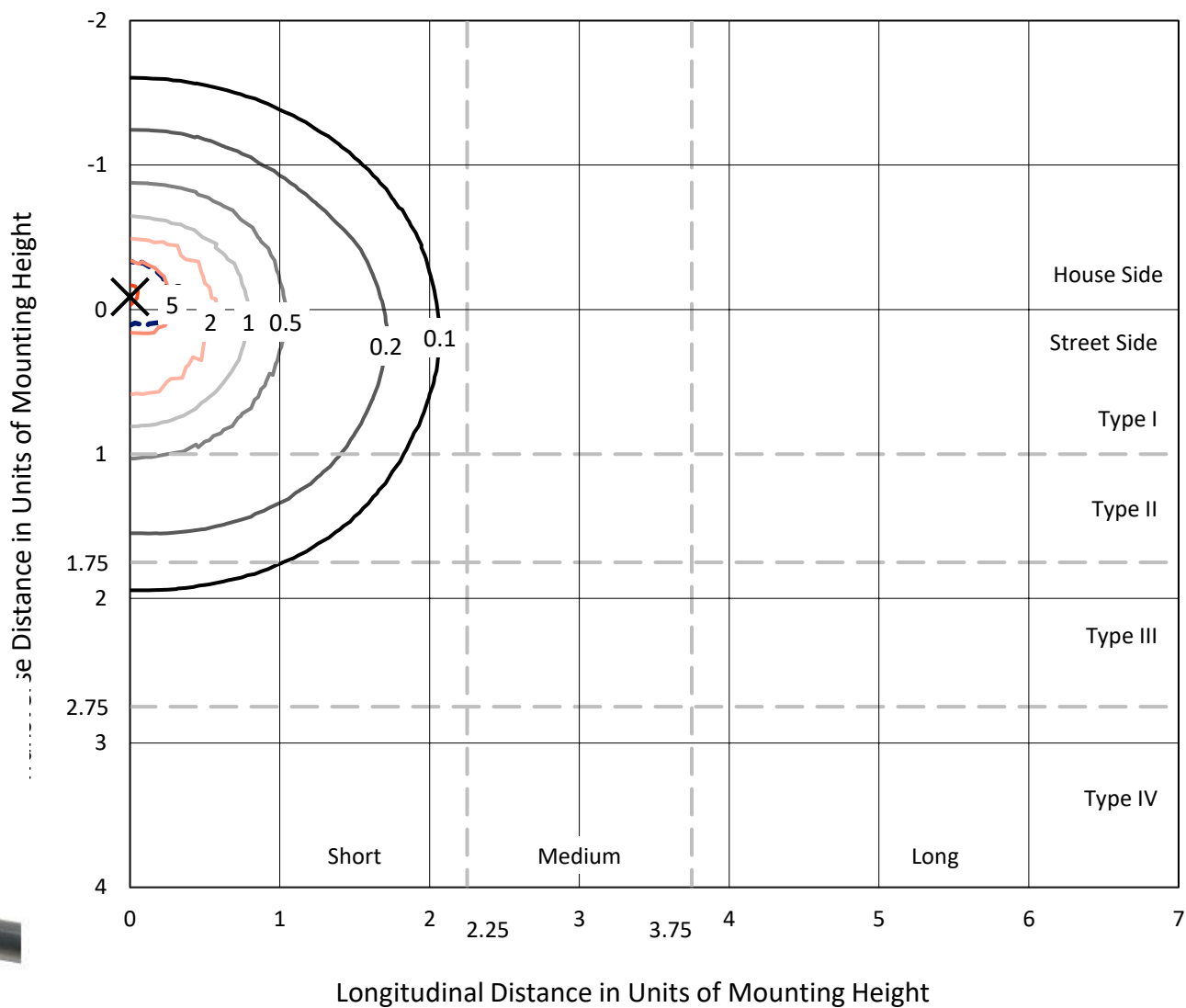
REPORT NUMBER: P691898

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

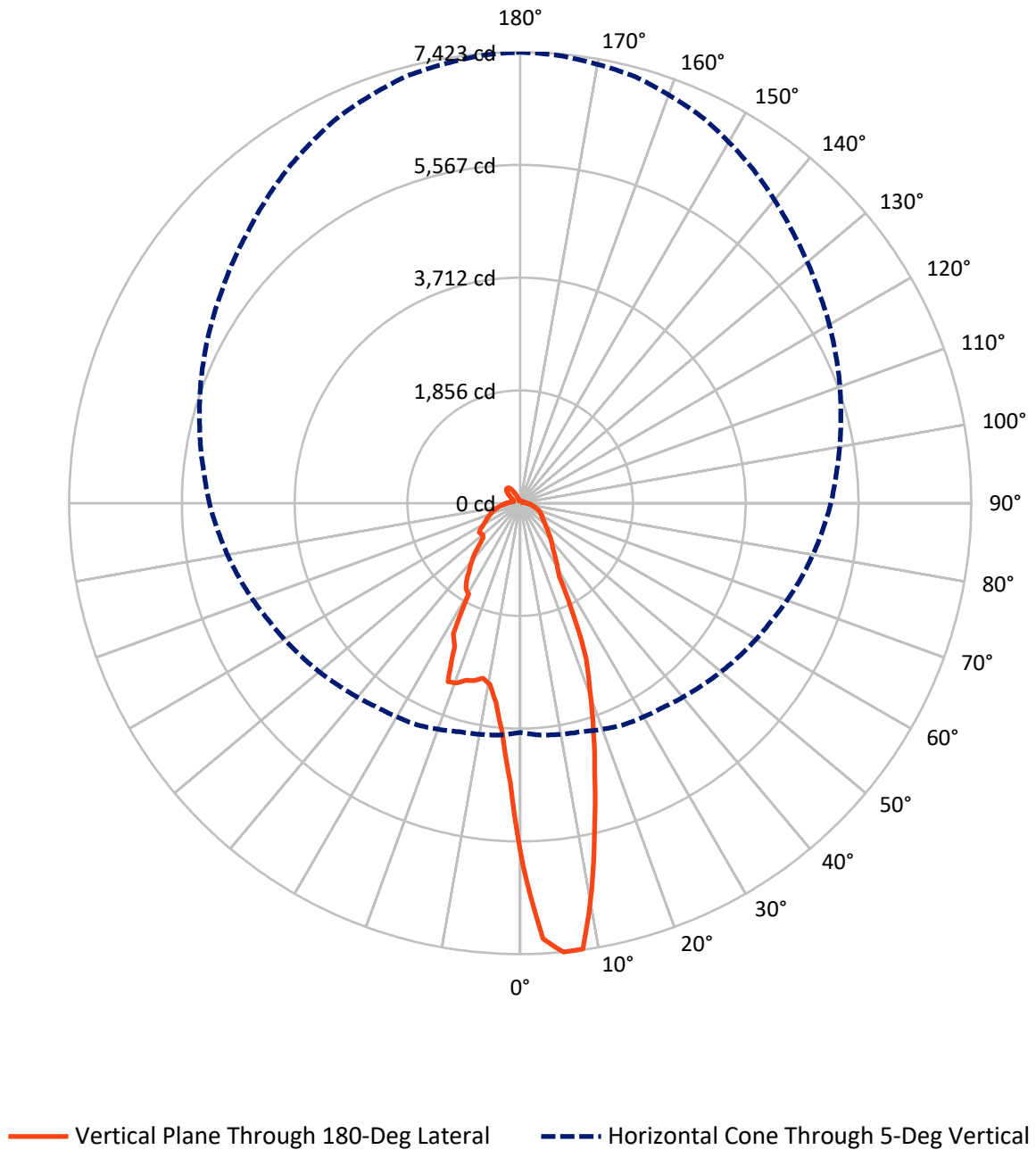
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc  
 Type I - Short - N/A

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## Luminous Intensity Polar Plot



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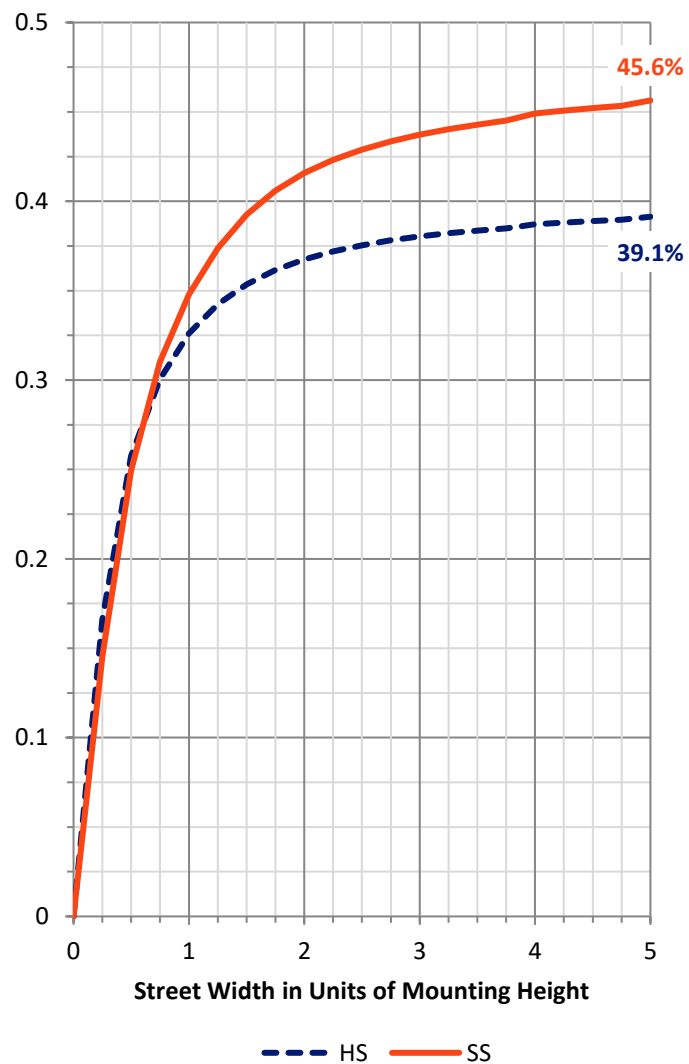
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2870.9   | 307.8  | 3178.7 |
|                    | % Fixture | 40.2     | 4.3    | 44.5   |
| <b>Street Side</b> | Lumens    | 3350.3   | 614.0  | 3964.3 |
|                    | % Fixture | 46.9     | 8.6    | 55.5   |
| <b>Total</b>       | Lumens    | 6221.2   | 921.8  | 7143.0 |
|                    | % Fixture | 87.1     | 12.9   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 480.1  | 6.7       |
| 10°-20°   | 1029.8 | 14.4      |
| 20°-30°   | 1133.8 | 15.9      |
| 30°-40°   | 833.2  | 11.7      |
| 40°-50°   | 698.1  | 9.8       |
| 50°-60°   | 700.4  | 9.8       |
| 60°-70°   | 599.8  | 8.4       |
| 70°-80°   | 446.9  | 6.3       |
| 80°-90°   | 299.0  | 4.2       |
| 90°-100°  | 177.6  | 2.5       |
| 100°-110° | 103.1  | 1.4       |
| 110°-120° | 95.9   | 1.3       |
| 120°-130° | 139.1  | 1.9       |
| 130°-140° | 187.2  | 2.6       |
| 140°-150° | 151.6  | 2.1       |
| 150°-160° | 59.9   | 0.8       |
| 160°-170° | 7.3    | 0.1       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 6221.2 | 87.1      |
| 0°-180°   | 7143.0 | 100.0     |

**Coefficient of Utilization**



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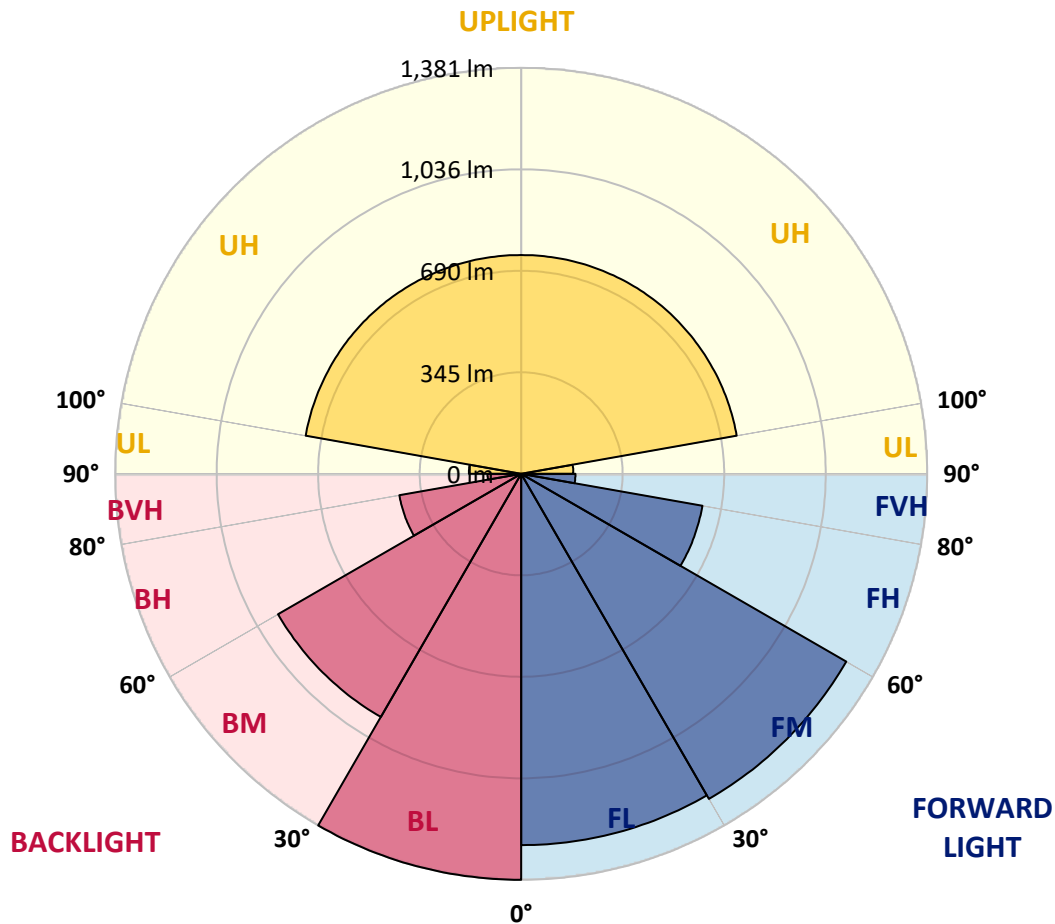
CATALOG NUMBER: CRTK2-C01H-D-U-T3-8027-RMARROA5

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |        |
|------|-------------|--------|-----------|-------------------------|---------|--------|
|      |             |        |           | B                       | U       | G      |
| FL   | (0°-30°)    | 1262.9 | 17.7      |                         |         |        |
| FM   | (30°-60°)   | 1276.8 | 17.9      |                         |         |        |
| FH   | (60°-80°)   | 626.0  | 8.8       |                         |         | G0/660 |
| FVH  | (80°-90°)   | 184.6  | 2.6       |                         |         | G2/225 |
| BL   | (0°-30°)    | 1380.8 | 19.3      | B3/2500                 |         |        |
| BM   | (30°-60°)   | 954.9  | 13.4      | B1/1000                 |         |        |
| BH   | (60°-80°)   | 420.8  | 5.9       | B1/500                  |         | G1/500 |
| BVH  | (80°-90°)   | 114.4  | 1.6       |                         |         | G2/225 |
| UL   | (90°-100°)  | 177.6  | 2.5       |                         | U3/500  |        |
| UH   | (100°-180°) | 744.2  | 10.4      |                         | U4/1000 |        |

**BUG Rating: B3-U4-G2**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 |
| 2.5°   | 4606.5 | 4674.6 | 4708.6 | 4810.7 | 4844.8 | 4910.0 | 5009.3 | 5108.6 | 5275.9 | 5400.7 | 5497.2 |
| 5°     | 3775.4 | 3832.1 | 3894.5 | 4025.0 | 4101.6 | 4237.8 | 4396.6 | 4566.8 | 4782.4 | 5000.8 | 5114.2 |
| 7.5°   | 3290.4 | 3304.5 | 3395.3 | 3554.2 | 3693.1 | 3837.8 | 4010.8 | 4158.3 | 4305.8 | 4484.5 | 4598.0 |
| 10°    | 3023.7 | 3043.6 | 3103.1 | 3225.1 | 3344.3 | 3463.4 | 3599.5 | 3713.0 | 3863.3 | 4013.7 | 4081.7 |
| 12.5°  | 2944.3 | 2952.8 | 3003.9 | 3074.8 | 3151.4 | 3228.0 | 3332.9 | 3435.0 | 3568.3 | 3698.8 | 3744.2 |
| 15°    | 3015.2 | 3015.2 | 3023.7 | 3052.1 | 3091.8 | 3151.4 | 3230.8 | 3318.7 | 3440.7 | 3537.1 | 3585.4 |
| 17.5°  | 3049.3 | 3052.1 | 3074.8 | 3080.5 | 3117.3 | 3142.9 | 3213.8 | 3281.8 | 3398.1 | 3477.6 | 3503.1 |
| 20°    | 3140.0 | 3140.0 | 3142.9 | 3157.0 | 3162.7 | 3176.9 | 3208.1 | 3245.0 | 3341.4 | 3384.0 | 3378.3 |
| 22.5°  | 3168.4 | 3157.0 | 3202.4 | 3284.7 | 3281.8 | 3284.7 | 3256.3 | 3264.8 | 3318.7 | 3301.7 | 3262.0 |
| 25°    | 2601.1 | 2586.9 | 2638.0 | 2689.0 | 2762.8 | 2856.4 | 3089.0 | 3270.5 | 3338.6 | 3284.7 | 3196.8 |
| 27.5°  | 2419.5 | 2357.1 | 2343.0 | 2221.0 | 2110.4 | 1928.8 | 1911.8 | 1798.4 | 1787.0 | 1857.9 | 1923.2 |
| 30°    | 1718.9 | 1721.8 | 1718.9 | 1707.6 | 1699.1 | 1707.6 | 1716.1 | 1696.2 | 1701.9 | 1747.3 | 1727.4 |
| 32.5°  | 1676.4 | 1676.4 | 1665.0 | 1659.4 | 1633.8 | 1625.3 | 1611.1 | 1574.3 | 1579.9 | 1614.0 | 1605.5 |
| 35°    | 1562.9 | 1557.2 | 1560.1 | 1545.9 | 1500.5 | 1463.6 | 1458.0 | 1426.8 | 1426.8 | 1446.6 | 1438.1 |
| 37.5°  | 1392.7 | 1384.2 | 1418.3 | 1415.4 | 1378.5 | 1364.4 | 1350.2 | 1330.3 | 1330.3 | 1347.3 | 1330.3 |
| 40°    | 1259.4 | 1253.7 | 1290.6 | 1302.0 | 1279.3 | 1284.9 | 1287.8 | 1270.8 | 1287.8 | 1290.6 | 1267.9 |
| 42.5°  | 1117.6 | 1114.8 | 1146.0 | 1143.1 | 1123.3 | 1120.4 | 1117.6 | 1106.2 | 1134.6 | 1157.3 | 1140.3 |
| 45°    | 950.2  | 941.7  | 964.4  | 972.9  | 967.3  | 958.7  | 955.9  | 955.9  | 972.9  | 984.3  | 967.3  |
| 47.5°  | 839.6  | 842.4  | 859.5  | 879.3  | 885.0  | 890.7  | 887.8  | 882.2  | 893.5  | 896.3  | 882.2  |
| 50°    | 802.7  | 805.6  | 831.1  | 853.8  | 870.8  | 882.2  | 882.2  | 873.6  | 882.2  | 873.6  | 853.8  |
| 52.5°  | 819.8  | 819.8  | 853.8  | 887.8  | 916.2  | 936.1  | 938.9  | 927.5  | 927.5  | 904.8  | 873.6  |
| 55°    | 825.4  | 831.1  | 876.5  | 933.2  | 984.3  | 1038.2 | 1063.7 | 1055.2 | 1063.7 | 1015.5 | 964.4  |
| 57.5°  | 771.5  | 785.7  | 831.1  | 899.2  | 967.3  | 1052.3 | 1106.2 | 1111.9 | 1109.1 | 1066.5 | 1004.1 |
| 60°    | 700.6  | 712.0  | 743.2  | 802.7  | 868.0  | 936.1  | 989.9  | 1001.3 | 1012.6 | 992.8  | 936.1  |
| 62.5°  | 652.4  | 658.1  | 683.6  | 726.1  | 771.5  | 808.4  | 828.3  | 825.4  | 836.8  | 831.1  | 788.6  |
| 65°    | 609.9  | 612.7  | 641.1  | 675.1  | 703.5  | 740.3  | 746.0  | 746.0  | 754.5  | 743.2  | 709.1  |
| 67.5°  | 564.5  | 564.5  | 587.2  | 618.4  | 652.4  | 683.6  | 692.1  | 694.9  | 706.3  | 694.9  | 669.4  |
| 70°    | 524.8  | 524.8  | 544.6  | 570.1  | 595.7  | 626.9  | 635.4  | 638.2  | 652.4  | 638.2  | 612.7  |
| 72.5°  | 487.9  | 487.9  | 504.9  | 527.6  | 550.3  | 575.8  | 584.3  | 587.2  | 598.5  | 584.3  | 564.5  |
| 75°    | 448.2  | 451.0  | 465.2  | 485.0  | 504.9  | 527.6  | 538.9  | 538.9  | 547.4  | 530.4  | 513.4  |
| 77.5°  | 408.5  | 411.3  | 425.5  | 442.5  | 459.5  | 482.2  | 487.9  | 490.7  | 499.2  | 482.2  | 465.2  |
| 80°    | 368.7  | 374.4  | 385.8  | 399.9  | 417.0  | 434.0  | 445.3  | 445.3  | 451.0  | 434.0  | 422.6  |
| 82.5°  | 331.9  | 337.5  | 346.1  | 357.4  | 374.4  | 391.4  | 402.8  | 402.8  | 405.6  | 391.4  | 377.3  |
| 85°    | 295.0  | 300.7  | 309.2  | 317.7  | 331.9  | 348.9  | 360.2  | 360.2  | 363.1  | 348.9  | 337.5  |
| 87.5°  | 261.0  | 266.6  | 272.3  | 280.8  | 292.2  | 309.2  | 320.5  | 320.5  | 320.5  | 309.2  | 297.8  |
| 90°    | 226.9  | 229.8  | 235.4  | 243.9  | 255.3  | 269.5  | 278.0  | 280.8  | 280.8  | 266.6  | 261.0  |
| 92.5°  | 201.4  | 201.4  | 207.1  | 212.7  | 224.1  | 235.4  | 243.9  | 246.8  | 246.8  | 238.3  | 229.8  |
| 95°    | 173.0  | 175.9  | 178.7  | 184.4  | 192.9  | 201.4  | 212.7  | 212.7  | 212.7  | 207.1  | 201.4  |
| 97.5°  | 153.2  | 150.3  | 153.2  | 156.0  | 164.5  | 170.2  | 178.7  | 181.5  | 181.5  | 175.9  | 173.0  |
| 100°   | 130.5  | 133.3  | 133.3  | 136.2  | 139.0  | 141.8  | 147.5  | 150.3  | 150.3  | 147.5  | 147.5  |
| 102.5° | 122.0  | 119.1  | 119.1  | 119.1  | 119.1  | 119.1  | 122.0  | 122.0  | 124.8  | 122.0  | 119.1  |
| 105°   | 113.5  | 113.5  | 113.5  | 113.5  | 110.6  | 110.6  | 110.6  | 110.6  | 107.8  | 105.0  | 105.0  |
| 107.5° | 110.6  | 110.6  | 110.6  | 110.6  | 107.8  | 107.8  | 105.0  | 105.0  | 102.1  | 99.3   | 96.4   |
| 110°   | 110.6  | 110.6  | 110.6  | 110.6  | 107.8  | 105.0  | 105.0  | 102.1  | 99.3   | 96.4   | 93.6   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 116.3 | 116.3 | 116.3 | 116.3 | 110.6 | 107.8 | 105.0 | 105.0 | 99.3  | 96.4  | 93.6  |
| 115°   | 127.6 | 127.6 | 124.8 | 124.8 | 122.0 | 116.3 | 113.5 | 110.6 | 107.8 | 102.1 | 99.3  |
| 117.5° | 139.0 | 139.0 | 139.0 | 139.0 | 136.2 | 130.5 | 124.8 | 122.0 | 119.1 | 110.6 | 107.8 |
| 120°   | 158.8 | 158.8 | 158.8 | 161.7 | 156.0 | 150.3 | 144.7 | 139.0 | 136.2 | 127.6 | 122.0 |
| 122.5° | 184.4 | 181.5 | 187.2 | 190.0 | 187.2 | 178.7 | 170.2 | 164.5 | 158.8 | 147.5 | 141.8 |
| 125°   | 209.9 | 209.9 | 215.6 | 224.1 | 224.1 | 215.6 | 204.2 | 195.7 | 190.0 | 173.0 | 164.5 |
| 127.5° | 241.1 | 241.1 | 249.6 | 263.8 | 266.6 | 258.1 | 246.8 | 235.4 | 226.9 | 204.2 | 195.7 |
| 130°   | 269.5 | 269.5 | 286.5 | 303.5 | 312.0 | 303.5 | 292.2 | 278.0 | 266.6 | 241.1 | 226.9 |
| 132.5° | 292.2 | 295.0 | 314.9 | 337.5 | 348.9 | 346.1 | 331.9 | 320.5 | 309.2 | 278.0 | 261.0 |
| 135°   | 314.9 | 317.7 | 340.4 | 368.7 | 382.9 | 382.9 | 371.6 | 357.4 | 343.2 | 309.2 | 289.3 |
| 137.5° | 326.2 | 329.0 | 357.4 | 385.8 | 402.8 | 408.5 | 402.8 | 388.6 | 374.4 | 337.5 | 312.0 |
| 140°   | 326.2 | 331.9 | 360.2 | 388.6 | 405.6 | 414.1 | 414.1 | 399.9 | 385.8 | 351.7 | 326.2 |
| 142.5° | 317.7 | 323.4 | 348.9 | 377.3 | 394.3 | 405.6 | 408.5 | 397.1 | 382.9 | 348.9 | 323.4 |
| 145°   | 300.7 | 303.5 | 329.0 | 354.6 | 371.6 | 385.8 | 391.4 | 382.9 | 365.9 | 337.5 | 312.0 |
| 147.5° | 272.3 | 272.3 | 295.0 | 314.9 | 337.5 | 351.7 | 360.2 | 354.6 | 340.4 | 314.9 | 292.2 |
| 150°   | 232.6 | 232.6 | 249.6 | 269.5 | 289.3 | 306.3 | 314.9 | 314.9 | 300.7 | 280.8 | 258.1 |
| 152.5° | 184.4 | 187.2 | 198.6 | 215.6 | 235.4 | 249.6 | 261.0 | 261.0 | 252.4 | 235.4 | 215.6 |
| 155°   | 141.8 | 141.8 | 150.3 | 161.7 | 178.7 | 192.9 | 201.4 | 201.4 | 195.7 | 181.5 | 170.2 |
| 157.5° | 102.1 | 102.1 | 107.8 | 119.1 | 130.5 | 141.8 | 150.3 | 150.3 | 144.7 | 136.2 | 127.6 |
| 160°   | 68.1  | 68.1  | 70.9  | 79.4  | 87.9  | 96.4  | 102.1 | 105.0 | 102.1 | 96.4  | 87.9  |
| 162.5° | 36.9  | 36.9  | 39.7  | 45.4  | 51.1  | 59.6  | 62.4  | 65.2  | 65.2  | 59.6  | 56.7  |
| 165°   | 11.3  | 11.3  | 11.3  | 17.0  | 19.9  | 25.5  | 28.4  | 31.2  | 31.2  | 31.2  | 28.4  |
| 167.5° | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 2.8   | 5.7   | 8.5   | 8.5   | 8.5   | 8.5   |
| 170°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 2.8   | 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°     | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 | 5979.4 |
| 2.5°   | 5587.9 | 5797.8 | 6030.4 | 6268.7 | 6512.6 | 6742.4 | 6935.3 | 7088.5 | 7170.7 | 7190.6 | 7179.2 |
| 5°     | 5216.4 | 5463.1 | 5735.4 | 6013.4 | 6331.1 | 6697.0 | 7031.7 | 7272.8 | 7397.6 | 7417.5 | 7423.2 |
| 7.5°   | 4685.9 | 4901.5 | 5168.1 | 5488.7 | 5888.6 | 6280.0 | 6796.3 | 7156.5 | 7357.9 | 7411.8 | 7411.8 |
| 10°    | 4127.1 | 4317.2 | 4484.5 | 4765.3 | 5114.2 | 5480.1 | 5919.8 | 6251.7 | 6455.9 | 6521.2 | 6464.4 |
| 12.5°  | 3812.3 | 3894.5 | 4008.0 | 4215.1 | 4433.5 | 4711.5 | 5091.5 | 5307.1 | 5440.4 | 5480.1 | 5446.1 |
| 15°    | 3610.9 | 3653.4 | 3701.7 | 3789.6 | 3942.8 | 4115.8 | 4339.9 | 4473.2 | 4555.4 | 4603.7 | 4586.6 |
| 17.5°  | 3514.4 | 3514.4 | 3505.9 | 3525.8 | 3565.5 | 3644.9 | 3798.1 | 3846.3 | 3883.2 | 3903.0 | 3891.7 |
| 20°    | 3366.9 | 3321.6 | 3284.7 | 3228.0 | 3205.3 | 3202.4 | 3239.3 | 3290.4 | 3287.5 | 3290.4 | 3267.7 |
| 22.5°  | 3219.4 | 3125.8 | 3035.1 | 2950.0 | 2853.5 | 2805.3 | 2771.3 | 2788.3 | 2774.1 | 2788.3 | 2774.1 |
| 25°    | 3148.5 | 2958.5 | 2776.9 | 2569.9 | 2396.9 | 2263.5 | 2175.6 | 2121.7 | 2030.9 | 2065.0 | 2033.8 |
| 27.5°  | 1954.4 | 1874.9 | 1798.4 | 1645.2 | 1500.5 | 1449.5 | 1406.9 | 1384.2 | 1367.2 | 1375.7 | 1370.0 |
| 30°    | 1693.4 | 1628.2 | 1568.6 | 1489.2 | 1378.5 | 1310.5 | 1259.4 | 1214.0 | 1199.8 | 1202.7 | 1199.8 |
| 32.5°  | 1571.4 | 1520.4 | 1446.6 | 1364.4 | 1265.1 | 1180.0 | 1120.4 | 1077.9 | 1055.2 | 1069.4 | 1058.0 |
| 35°    | 1406.9 | 1355.9 | 1293.5 | 1216.9 | 1131.8 | 1055.2 | 998.5  | 958.7  | 933.2  | 938.9  | 936.1  |
| 37.5°  | 1299.1 | 1250.9 | 1197.0 | 1114.8 | 1041.0 | 967.3  | 910.5  | 870.8  | 845.3  | 851.0  | 845.3  |
| 40°    | 1236.7 | 1182.8 | 1126.1 | 1052.3 | 978.6  | 902.0  | 848.1  | 802.7  | 777.2  | 777.2  | 777.2  |
| 42.5°  | 1109.1 | 1066.5 | 1018.3 | 941.7  | 876.5  | 811.2  | 757.3  | 723.3  | 694.9  | 697.8  | 692.1  |
| 45°    | 947.4  | 916.2  | 879.3  | 828.3  | 774.4  | 723.3  | 677.9  | 652.4  | 629.7  | 632.5  | 629.7  |
| 47.5°  | 865.1  | 836.8  | 794.2  | 754.5  | 706.3  | 660.9  | 621.2  | 590.0  | 573.0  | 575.8  | 570.1  |
| 50°    | 833.9  | 799.9  | 751.7  | 697.8  | 652.4  | 607.0  | 567.3  | 544.6  | 527.6  | 530.4  | 527.6  |
| 52.5°  | 845.3  | 791.4  | 723.3  | 658.1  | 604.2  | 558.8  | 527.6  | 502.1  | 490.7  | 493.6  | 487.9  |
| 55°    | 919.0  | 825.4  | 723.3  | 641.1  | 573.0  | 521.9  | 490.7  | 462.4  | 451.0  | 451.0  | 451.0  |
| 57.5°  | 944.6  | 842.4  | 714.8  | 621.2  | 547.4  | 496.4  | 459.5  | 431.2  | 419.8  | 419.8  | 419.8  |
| 60°    | 885.0  | 797.1  | 680.8  | 592.8  | 524.8  | 476.5  | 445.3  | 425.5  | 417.0  | 417.0  | 417.0  |
| 62.5°  | 757.3  | 700.6  | 612.7  | 541.8  | 490.7  | 448.2  | 417.0  | 391.4  | 382.9  | 380.1  | 380.1  |
| 65°    | 686.4  | 632.5  | 558.8  | 499.2  | 453.8  | 419.8  | 391.4  | 371.6  | 360.2  | 360.2  | 360.2  |
| 67.5°  | 641.1  | 590.0  | 521.9  | 465.2  | 422.6  | 385.8  | 360.2  | 340.4  | 334.7  | 331.9  | 331.9  |
| 70°    | 590.0  | 541.8  | 473.7  | 422.6  | 382.9  | 351.7  | 326.2  | 309.2  | 303.5  | 303.5  | 300.7  |
| 72.5°  | 538.9  | 493.6  | 428.3  | 380.1  | 343.2  | 314.9  | 292.2  | 278.0  | 272.3  | 269.5  | 269.5  |
| 75°    | 490.7  | 445.3  | 385.8  | 340.4  | 306.3  | 280.8  | 261.0  | 246.8  | 241.1  | 241.1  | 241.1  |
| 77.5°  | 445.3  | 402.8  | 346.1  | 303.5  | 275.1  | 249.6  | 232.6  | 221.2  | 215.6  | 215.6  | 215.6  |
| 80°    | 402.8  | 360.2  | 309.2  | 269.5  | 241.1  | 221.2  | 207.1  | 195.7  | 190.0  | 192.9  | 190.0  |
| 82.5°  | 357.4  | 323.4  | 275.1  | 238.3  | 215.6  | 195.7  | 181.5  | 173.0  | 167.4  | 170.2  | 167.4  |
| 85°    | 320.5  | 286.5  | 241.1  | 209.9  | 187.2  | 170.2  | 158.8  | 150.3  | 144.7  | 147.5  | 144.7  |
| 87.5°  | 283.7  | 252.4  | 212.7  | 184.4  | 164.5  | 150.3  | 136.2  | 130.5  | 127.6  | 127.6  | 124.8  |
| 90°    | 243.9  | 215.6  | 181.5  | 158.8  | 139.0  | 127.6  | 116.3  | 110.6  | 107.8  | 105.0  | 105.0  |
| 92.5°  | 215.6  | 192.9  | 161.7  | 141.8  | 124.8  | 116.3  | 105.0  | 99.3   | 96.4   | 96.4   | 96.4   |
| 95°    | 190.0  | 170.2  | 144.7  | 127.6  | 116.3  | 105.0  | 96.4   | 93.6   | 90.8   | 90.8   | 87.9   |
| 97.5°  | 164.5  | 147.5  | 130.5  | 116.3  | 105.0  | 96.4   | 87.9   | 85.1   | 82.3   | 82.3   | 82.3   |
| 100°   | 139.0  | 127.6  | 113.5  | 102.1  | 93.6   | 87.9   | 79.4   | 76.6   | 73.7   | 73.7   | 73.7   |
| 102.5° | 116.3  | 107.8  | 96.4   | 87.9   | 82.3   | 76.6   | 70.9   | 68.1   | 65.2   | 65.2   | 65.2   |
| 105°   | 102.1  | 93.6   | 87.9   | 79.4   | 73.7   | 68.1   | 65.2   | 59.6   | 56.7   | 56.7   | 56.7   |
| 107.5° | 93.6   | 87.9   | 82.3   | 76.6   | 70.9   | 65.2   | 59.6   | 53.9   | 51.1   | 51.1   | 51.1   |
| 110°   | 90.8   | 85.1   | 79.4   | 73.7   | 68.1   | 62.4   | 59.6   | 51.1   | 48.2   | 48.2   | 48.2   |

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**CANDELA DISTRIBUTION (continued):**

|        | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155° | 165° | 175° | 179° | 180° |
|--------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 112.5° | 90.8  | 87.9  | 82.3  | 76.6  | 70.9  | 65.2  | 59.6 | 48.2 | 45.4 | 45.4 | 45.4 |
| 115°   | 96.4  | 90.8  | 85.1  | 79.4  | 73.7  | 68.1  | 62.4 | 48.2 | 45.4 | 45.4 | 45.4 |
| 117.5° | 105.0 | 99.3  | 90.8  | 85.1  | 79.4  | 70.9  | 62.4 | 51.1 | 45.4 | 45.4 | 45.4 |
| 120°   | 119.1 | 110.6 | 102.1 | 93.6  | 85.1  | 76.6  | 65.2 | 51.1 | 42.5 | 45.4 | 45.4 |
| 122.5° | 136.2 | 127.6 | 113.5 | 102.1 | 93.6  | 82.3  | 68.1 | 53.9 | 42.5 | 45.4 | 45.4 |
| 125°   | 158.8 | 147.5 | 130.5 | 116.3 | 102.1 | 87.9  | 70.9 | 53.9 | 42.5 | 45.4 | 48.2 |
| 127.5° | 184.4 | 167.4 | 147.5 | 127.6 | 110.6 | 93.6  | 76.6 | 56.7 | 42.5 | 48.2 | 48.2 |
| 130°   | 212.7 | 192.9 | 167.4 | 141.8 | 122.0 | 99.3  | 79.4 | 56.7 | 45.4 | 45.4 | 45.4 |
| 132.5° | 243.9 | 215.6 | 181.5 | 153.2 | 127.6 | 102.1 | 79.4 | 56.7 | 45.4 | 45.4 | 45.4 |
| 135°   | 266.6 | 232.6 | 195.7 | 161.7 | 133.3 | 105.0 | 82.3 | 56.7 | 42.5 | 42.5 | 42.5 |
| 137.5° | 286.5 | 246.8 | 207.1 | 167.4 | 136.2 | 105.0 | 79.4 | 53.9 | 42.5 | 39.7 | 39.7 |
| 140°   | 297.8 | 252.4 | 207.1 | 167.4 | 133.3 | 102.1 | 73.7 | 51.1 | 36.9 | 36.9 | 36.9 |
| 142.5° | 297.8 | 249.6 | 204.2 | 161.7 | 124.8 | 96.4  | 70.9 | 45.4 | 34.0 | 34.0 | 34.0 |
| 145°   | 286.5 | 238.3 | 192.9 | 153.2 | 116.3 | 87.9  | 62.4 | 42.5 | 31.2 | 31.2 | 31.2 |
| 147.5° | 266.6 | 218.4 | 175.9 | 139.0 | 102.1 | 76.6  | 53.9 | 34.0 | 25.5 | 25.5 | 25.5 |
| 150°   | 238.3 | 192.9 | 153.2 | 119.1 | 87.9  | 62.4  | 45.4 | 28.4 | 19.9 | 19.9 | 19.9 |
| 152.5° | 198.6 | 161.7 | 124.8 | 99.3  | 70.9  | 51.1  | 34.0 | 22.7 | 17.0 | 17.0 | 17.0 |
| 155°   | 156.0 | 127.6 | 99.3  | 76.6  | 53.9  | 36.9  | 25.5 | 17.0 | 11.3 | 11.3 | 11.3 |
| 157.5° | 119.1 | 96.4  | 73.7  | 56.7  | 39.7  | 28.4  | 19.9 | 11.3 | 8.5  | 8.5  | 8.5  |
| 160°   | 82.3  | 65.2  | 51.1  | 39.7  | 25.5  | 19.9  | 14.2 | 8.5  | 5.7  | 5.7  | 5.7  |
| 162.5° | 53.9  | 42.5  | 31.2  | 22.7  | 17.0  | 11.3  | 8.5  | 5.7  | 2.8  | 2.8  | 2.8  |
| 165°   | 25.5  | 19.9  | 17.0  | 11.3  | 8.5   | 5.7   | 2.8  | 2.8  | 0.0  | 0.0  | 0.0  |
| 167.5° | 8.5   | 5.7   | 5.7   | 2.8   | 2.8   | 2.8   | 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)