

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: P853290

Luminaire Tested: **CRTK-N-20-730-U-T2R-CNR**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853290  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-20-730-U-T2R-CNR  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

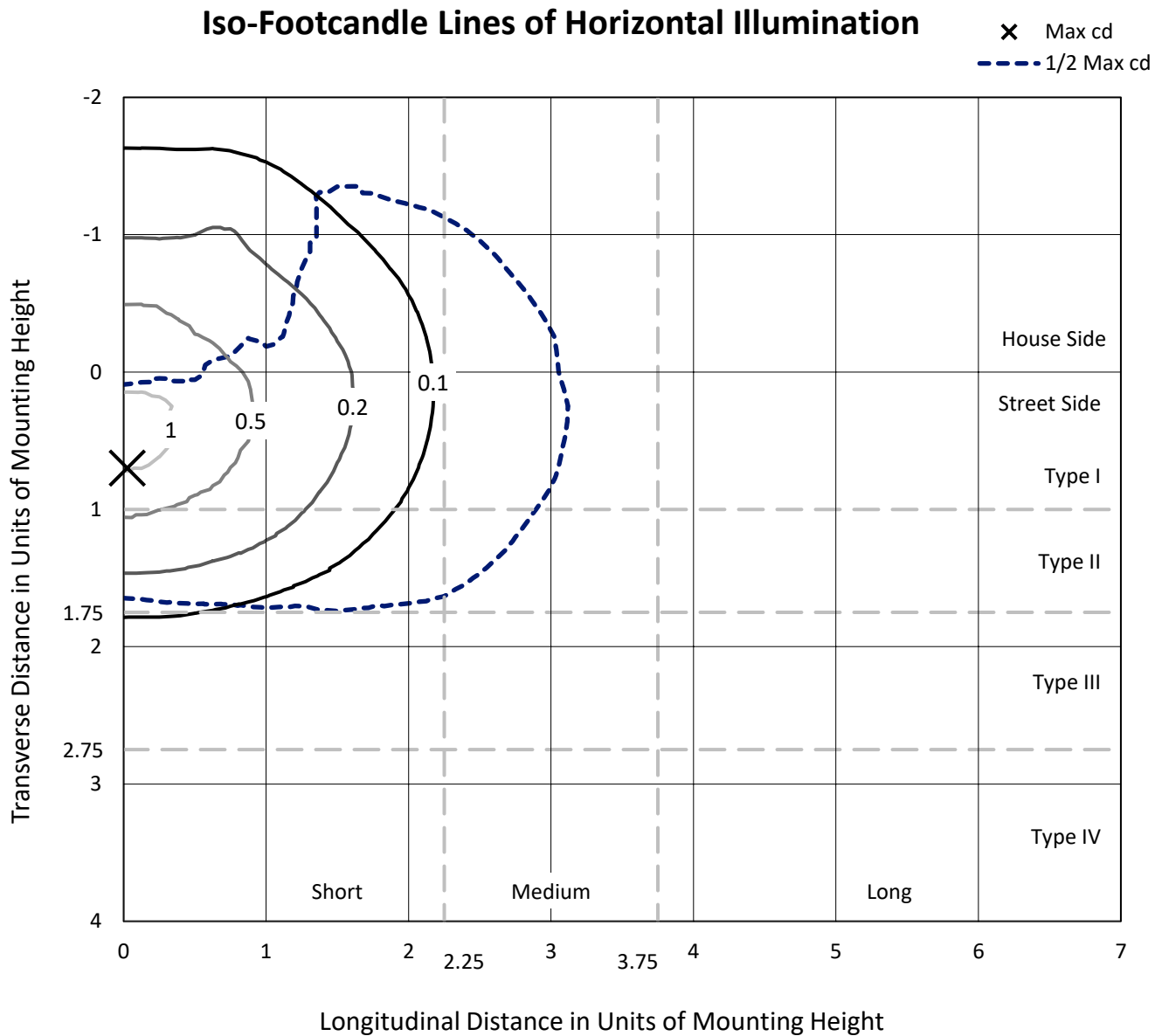
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3319 lumens  
Efficiency: N/A  
Efficacy: 143.1 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')  
IES Classification: Type II - Short  
BUG Rating: B1 - U3 - G1

Input Watts (W): 23.2  
Input Voltage (V): 120.0  
Input Current (Ain): 0.196  
Voltage Rise (V): NR  
Power Factor: 0.9875  
Total Harmonic Distortion (THDi): 10%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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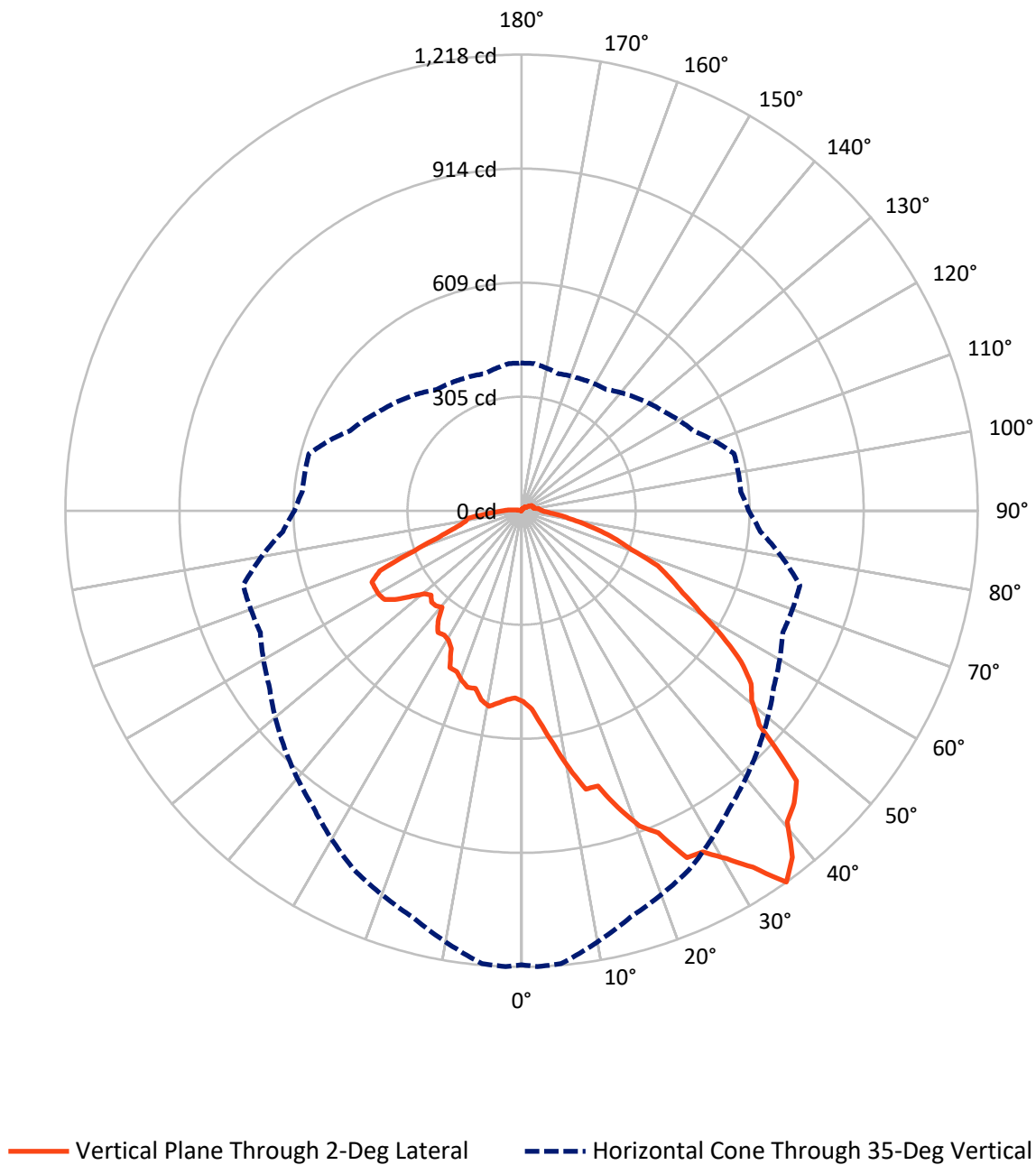


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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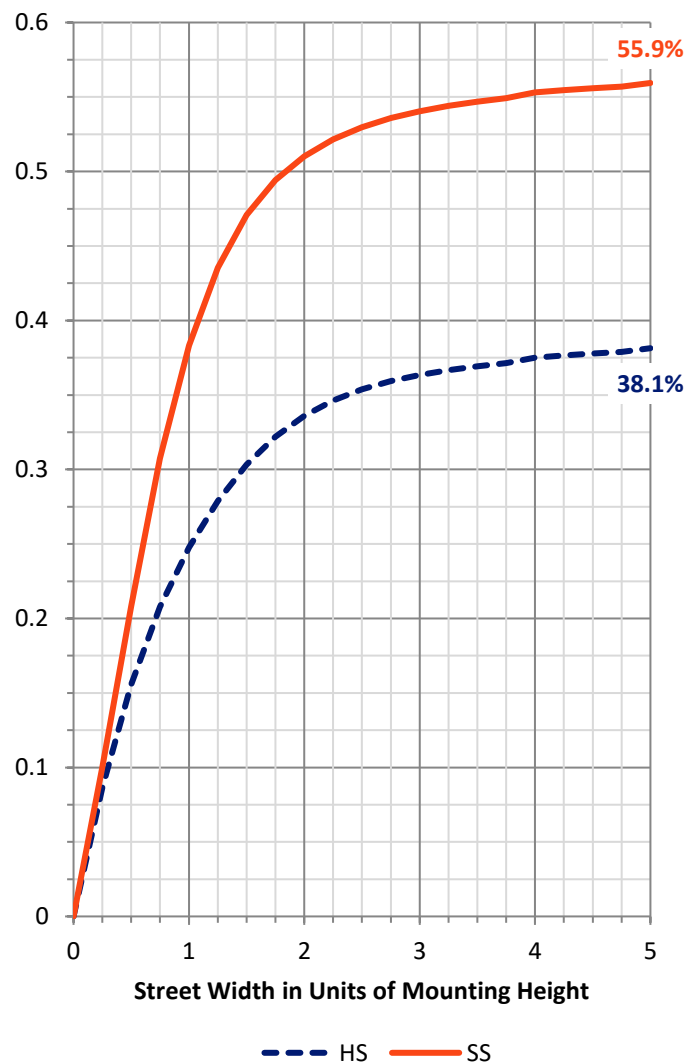
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1297.2   | 52.9   | 1350.1 |
|                    | % Fixture | 39.1     | 1.6    | 40.7   |
| <b>Street Side</b> | Lumens    | 1882.4   | 86.6   | 1968.9 |
|                    | % Fixture | 56.7     | 2.6    | 59.3   |
| <b>Total</b>       | Lumens    | 3179.6   | 139.4  | 3319.0 |
|                    | % Fixture | 95.8     | 4.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 52.3   | 1.6       |
| 10°-20°   | 175.3  | 5.3       |
| 20°-30°   | 300.8  | 9.1       |
| 30°-40°   | 432.3  | 13.0      |
| 40°-50°   | 526.0  | 15.8      |
| 50°-60°   | 617.2  | 18.6      |
| 60°-70°   | 612.5  | 18.5      |
| 70°-80°   | 340.5  | 10.3      |
| 80°-90°   | 122.6  | 3.7       |
| 90°-100°  | 44.5   | 1.3       |
| 100°-110° | 38.3   | 1.2       |
| 110°-120° | 31.8   | 1.0       |
| 120°-130° | 12.9   | 0.4       |
| 130°-140° | 6.5    | 0.2       |
| 140°-150° | 3.4    | 0.1       |
| 150°-160° | 1.6    | 0.0       |
| 160°-170° | 0.3    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 3179.6 | 95.8      |
| 0°-180°   | 3319.0 | 100.0     |

**Coefficient of Utilization**



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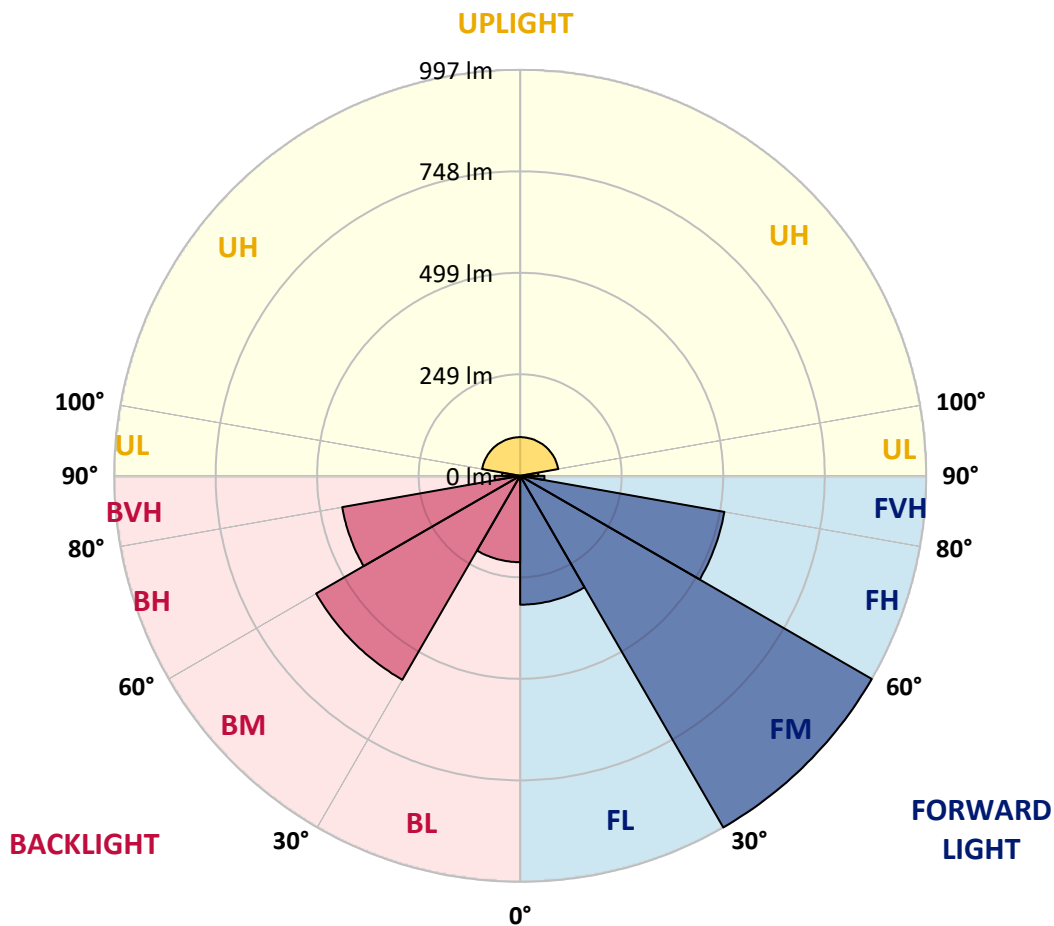
CATALOG NUMBER: CRTK-N-20-730-U-T2R-CNR

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |        |        |
|------|-------------|--------|-----------|-------------------------|--------|--------|
|      |             |        |           | B                       | U      | G      |
| FL   | (0°-30°)    | 316.4  | 9.5       |                         |        |        |
| FM   | (30°-60°)   | 997.0  | 30.0      |                         |        |        |
| FH   | (60°-80°)   | 509.3  | 15.3      |                         |        | G0/660 |
| FVH  | (80°-90°)   | 59.7   | 1.8       |                         |        | G1/100 |
| BL   | (0°-30°)    | 212.1  | 6.4       | B1/500                  |        |        |
| BM   | (30°-60°)   | 578.5  | 17.4      | B1/1000                 |        |        |
| BH   | (60°-80°)   | 443.8  | 13.4      | B1/500                  |        | G1/500 |
| BVH  | (80°-90°)   | 62.9   | 1.9       |                         |        | G1/100 |
| UL   | (90°-100°)  | 44.5   | 1.3       |                         | U2/50  |        |
| UH   | (100°-180°) | 94.9   | 2.9       |                         | U3/500 |        |

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

Type II Short



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CATALOG NUMBER: CRTK-N-20-730-U-T2R-CNR

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2°     | 5°     | 15°    | 25°    | 35°    | 45°   | 55°   | 65°   | 75°   | 85°   |
|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°     | 509.6  | 509.6  | 509.6  | 509.6  | 509.6  | 509.6  | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 |
| 2.5°   | 529.6  | 530.5  | 530.5  | 534.3  | 531.5  | 531.5  | 525.8 | 521.9 | 521.9 | 517.2 | 509.6 |
| 5°     | 575.3  | 577.2  | 576.2  | 579.1  | 572.4  | 568.6  | 556.2 | 546.7 | 540.0 | 530.5 | 519.1 |
| 7.5°   | 632.4  | 634.3  | 633.4  | 633.4  | 623.9  | 615.3  | 595.3 | 578.1 | 564.8 | 549.6 | 531.5 |
| 10°    | 694.3  | 700.1  | 699.1  | 697.2  | 681.0  | 664.8  | 638.1 | 612.4 | 591.5 | 569.6 | 545.8 |
| 12.5°  | 762.9  | 762.9  | 762.9  | 748.6  | 721.0  | 695.3  | 665.8 | 640.0 | 620.0 | 594.3 | 563.9 |
| 15°    | 759.1  | 762.9  | 767.7  | 789.6  | 773.4  | 744.8  | 702.0 | 662.0 | 628.6 | 596.2 | 581.0 |
| 17.5°  | 824.8  | 833.4  | 831.5  | 830.5  | 832.4  | 819.1  | 765.8 | 712.4 | 669.6 | 624.8 | 558.1 |
| 20°    | 895.3  | 898.2  | 898.2  | 900.1  | 877.2  | 875.3  | 831.5 | 767.7 | 715.3 | 629.6 | 565.8 |
| 22.5°  | 927.7  | 934.4  | 929.6  | 928.6  | 889.6  | 855.3  | 842.0 | 774.3 | 694.3 | 596.2 | 524.8 |
| 25°    | 1021.0 | 1026.7 | 1015.3 | 967.7  | 906.7  | 850.5  | 817.2 | 823.9 | 668.6 | 595.3 | 545.8 |
| 27.5°  | 1028.7 | 1031.5 | 1036.3 | 1046.7 | 997.2  | 933.4  | 852.4 | 707.7 | 686.7 | 650.5 | 598.1 |
| 30°    | 1074.4 | 1078.2 | 1066.7 | 1098.2 | 1102.0 | 993.4  | 836.3 | 707.7 | 713.4 | 675.3 | 651.5 |
| 32.5°  | 1127.7 | 1135.3 | 1137.2 | 1144.9 | 1074.4 | 1011.5 | 822.9 | 753.4 | 739.1 | 718.2 | 657.2 |
| 35°    | 1212.5 | 1218.2 | 1214.4 | 1123.9 | 1058.2 | 968.6  | 895.3 | 822.0 | 769.6 | 769.6 | 640.0 |
| 37.5°  | 1179.1 | 1174.4 | 1182.9 | 1140.1 | 1085.8 | 935.3  | 922.0 | 908.6 | 842.0 | 707.7 | 701.0 |
| 40°    | 1089.6 | 1092.5 | 1090.6 | 1151.5 | 1040.1 | 981.0  | 956.3 | 916.3 | 828.6 | 760.1 | 749.6 |
| 42.5°  | 1063.9 | 1067.7 | 1078.2 | 1027.7 | 1002.9 | 1037.2 | 960.1 | 851.5 | 832.4 | 823.9 | 748.6 |
| 45°    | 1051.5 | 1029.6 | 1009.6 | 941.0  | 922.9  | 923.9  | 920.1 | 918.2 | 883.9 | 814.3 | 686.7 |
| 47.5°  | 852.4  | 854.4  | 865.8  | 913.4  | 900.1  | 927.7  | 909.6 | 883.9 | 849.6 | 696.2 | 654.3 |
| 50°    | 795.3  | 796.3  | 811.5  | 835.3  | 875.3  | 946.7  | 936.3 | 877.2 | 820.1 | 778.2 | 731.5 |
| 52.5°  | 769.6  | 767.7  | 774.3  | 789.6  | 828.6  | 904.8  | 901.0 | 878.2 | 860.1 | 838.2 | 776.3 |
| 55°    | 719.1  | 711.5  | 724.8  | 747.7  | 782.0  | 858.2  | 896.3 | 895.3 | 892.5 | 867.7 | 812.4 |
| 57.5°  | 633.4  | 631.5  | 642.0  | 673.4  | 724.8  | 793.4  | 859.1 | 881.0 | 889.6 | 890.5 | 847.7 |
| 60°    | 551.5  | 546.7  | 560.0  | 598.1  | 642.0  | 740.1  | 810.5 | 848.6 | 880.1 | 893.4 | 881.0 |
| 62.5°  | 487.7  | 482.9  | 493.4  | 523.9  | 573.4  | 660.1  | 762.9 | 833.4 | 884.8 | 897.2 | 884.8 |
| 65°    | 436.2  | 436.2  | 438.1  | 466.7  | 507.7  | 564.8  | 702.0 | 782.0 | 854.4 | 879.1 | 872.4 |
| 67.5°  | 386.7  | 392.4  | 391.5  | 420.0  | 448.6  | 510.5  | 593.4 | 687.7 | 800.1 | 836.3 | 833.4 |
| 70°    | 313.4  | 312.4  | 321.9  | 362.9  | 405.7  | 450.5  | 521.0 | 613.4 | 695.3 | 722.9 | 730.5 |
| 72.5°  | 268.6  | 265.7  | 272.4  | 295.3  | 336.2  | 388.6  | 428.6 | 479.1 | 524.8 | 580.0 | 582.9 |
| 75°    | 221.9  | 220.0  | 225.7  | 243.8  | 267.6  | 297.2  | 316.2 | 354.3 | 394.3 | 433.4 | 430.5 |
| 77.5°  | 174.3  | 172.4  | 176.2  | 189.5  | 206.7  | 230.5  | 252.4 | 281.0 | 289.5 | 304.8 | 312.4 |
| 80°    | 134.3  | 132.4  | 137.2  | 157.2  | 167.6  | 178.1  | 182.9 | 194.3 | 198.1 | 217.2 | 237.2 |
| 82.5°  | 109.5  | 107.6  | 113.3  | 116.2  | 117.2  | 125.7  | 134.3 | 141.0 | 148.6 | 160.0 | 161.0 |
| 85°    | 77.1   | 77.1   | 80.0   | 82.9   | 85.7   | 92.4   | 100.0 | 105.7 | 112.4 | 119.1 | 123.8 |
| 87.5°  | 61.9   | 61.9   | 62.9   | 63.8   | 68.6   | 73.3   | 79.1  | 85.7  | 91.4  | 94.3  | 96.2  |
| 90°    | 53.3   | 54.3   | 54.3   | 55.2   | 56.2   | 58.1   | 61.0  | 65.7  | 68.6  | 70.5  | 71.4  |
| 92.5°  | 49.5   | 49.5   | 49.5   | 49.5   | 48.6   | 47.6   | 47.6  | 48.6  | 50.5  | 51.4  | 50.5  |
| 95°    | 47.6   | 47.6   | 47.6   | 45.7   | 46.7   | 45.7   | 42.9  | 41.0  | 39.1  | 39.1  | 38.1  |
| 97.5°  | 42.9   | 42.9   | 42.9   | 41.0   | 40.0   | 40.0   | 39.1  | 37.1  | 35.2  | 34.3  | 32.4  |
| 100°   | 35.2   | 35.2   | 35.2   | 35.2   | 37.1   | 38.1   | 37.1  | 37.1  | 36.2  | 34.3  | 33.3  |
| 102.5° | 32.4   | 32.4   | 32.4   | 33.3   | 36.2   | 40.0   | 41.9  | 41.9  | 40.0  | 39.1  | 38.1  |
| 105°   | 33.3   | 33.3   | 33.3   | 39.1   | 46.7   | 46.7   | 41.9  | 41.9  | 43.8  | 47.6  | 47.6  |
| 107.5° | 32.4   | 32.4   | 33.3   | 41.0   | 56.2   | 66.7   | 66.7  | 58.1  | 59.1  | 55.2  | 52.4  |
| 110°   | 32.4   | 32.4   | 32.4   | 35.2   | 39.1   | 45.7   | 61.0  | 73.3  | 84.8  | 84.8  | 81.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 2°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 30.5 | 30.5 | 31.4 | 32.4 | 34.3 | 38.1 | 42.9 | 53.3 | 61.9 | 69.5 | 71.4 |
| 115°   | 30.5 | 30.5 | 30.5 | 31.4 | 33.3 | 36.2 | 40.0 | 45.7 | 50.5 | 54.3 | 51.4 |
| 117.5° | 29.5 | 29.5 | 30.5 | 29.5 | 30.5 | 33.3 | 36.2 | 38.1 | 39.1 | 37.1 | 32.4 |
| 120°   | 24.8 | 24.8 | 24.8 | 25.7 | 26.7 | 27.6 | 28.6 | 29.5 | 27.6 | 26.7 | 24.8 |
| 122.5° | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 21.9 | 23.8 | 23.8 | 24.8 | 23.8 | 23.8 |
| 125°   | 17.1 | 17.1 | 18.1 | 17.1 | 18.1 | 18.1 | 19.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| 127.5° | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 15.2 | 16.2 | 17.1 | 17.1 | 16.2 | 16.2 |
| 130°   | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 13.3 | 14.3 | 14.3 | 14.3 | 13.3 |
| 132.5° | 14.3 | 13.3 | 14.3 | 13.3 | 13.3 | 13.3 | 12.4 | 13.3 | 13.3 | 13.3 | 12.4 |
| 135°   | 13.3 | 13.3 | 12.4 | 12.4 | 12.4 | 12.4 | 11.4 | 11.4 | 12.4 | 11.4 | 10.5 |
| 137.5° | 10.5 | 11.4 | 11.4 | 10.5 | 10.5 | 10.5 | 10.5 | 10.5 | 9.5  | 9.5  | 9.5  |
| 140°   | 9.5  | 9.5  | 9.5  | 9.5  | 9.5  | 8.6  | 9.5  | 8.6  | 8.6  | 8.6  | 8.6  |
| 142.5° | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 8.6  | 7.6  | 7.6  | 7.6  |
| 145°   | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 6.7  |
| 147.5° | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  |
| 150°   | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 6.7  | 5.7  |
| 152.5° | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  | 5.7  |
| 155°   | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  | 4.8  |
| 157.5° | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  |
| 160°   | 1.9  | 1.9  | 1.9  | 1.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  | 2.9  |
| 162.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  |
| 165°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  |
| 167.5° | 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  |
| 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):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 | 509.6 |
| 2.5°   | 507.7 | 506.7 | 508.6 | 508.6 | 505.8 | 502.9 | 501.0 | 499.1 | 499.1 | 500.0 | 500.0 |
| 5°     | 516.2 | 514.3 | 512.4 | 513.4 | 510.5 | 507.7 | 506.7 | 504.8 | 504.8 | 505.8 | 506.7 |
| 7.5°   | 526.7 | 523.9 | 522.9 | 521.9 | 520.0 | 518.1 | 517.2 | 516.2 | 516.2 | 517.2 | 518.1 |
| 10°    | 539.1 | 535.3 | 532.4 | 533.4 | 528.6 | 524.8 | 522.9 | 521.0 | 524.8 | 527.7 | 530.5 |
| 12.5°  | 555.3 | 551.5 | 541.9 | 537.2 | 521.9 | 515.3 | 511.5 | 511.5 | 514.3 | 515.3 | 517.2 |
| 15°    | 570.5 | 558.1 | 534.3 | 536.2 | 532.4 | 527.7 | 523.9 | 516.2 | 502.9 | 488.6 | 491.5 |
| 17.5°  | 539.1 | 542.9 | 552.4 | 552.4 | 549.6 | 543.9 | 533.4 | 512.4 | 496.2 | 491.5 | 493.4 |
| 20°    | 550.5 | 543.9 | 552.4 | 568.6 | 562.9 | 555.3 | 525.8 | 500.0 | 483.8 | 480.0 | 480.0 |
| 22.5°  | 508.6 | 500.0 | 511.5 | 542.9 | 547.7 | 512.4 | 467.7 | 459.1 | 463.8 | 462.9 | 462.9 |
| 25°    | 525.8 | 514.3 | 501.9 | 508.6 | 538.1 | 473.4 | 454.3 | 441.0 | 441.0 | 456.2 | 463.8 |
| 27.5°  | 573.4 | 558.1 | 535.3 | 494.3 | 450.5 | 466.7 | 461.9 | 448.6 | 440.0 | 421.0 | 408.6 |
| 30°    | 622.9 | 602.9 | 530.5 | 497.2 | 431.5 | 442.9 | 448.6 | 451.5 | 418.1 | 397.2 | 396.2 |
| 32.5°  | 639.1 | 599.1 | 560.0 | 488.6 | 445.7 | 424.8 | 436.2 | 406.7 | 401.9 | 391.5 | 390.5 |
| 35°    | 606.7 | 587.7 | 587.7 | 505.8 | 462.9 | 428.6 | 395.3 | 386.7 | 379.1 | 394.3 | 394.3 |
| 37.5°  | 669.6 | 636.2 | 533.4 | 529.6 | 482.9 | 421.0 | 385.7 | 390.5 | 375.3 | 368.6 | 372.4 |
| 40°    | 732.4 | 667.7 | 565.8 | 518.1 | 472.4 | 432.4 | 400.0 | 378.1 | 371.5 | 336.2 | 332.4 |
| 42.5°  | 681.0 | 668.6 | 604.8 | 501.9 | 461.9 | 452.4 | 425.7 | 390.5 | 344.8 | 340.0 | 342.9 |
| 45°    | 649.6 | 620.0 | 588.6 | 534.3 | 488.6 | 472.4 | 423.8 | 384.8 | 354.3 | 343.8 | 341.9 |
| 47.5°  | 632.4 | 594.3 | 542.9 | 529.6 | 490.5 | 475.3 | 475.3 | 401.0 | 358.1 | 332.4 | 329.5 |
| 50°    | 705.8 | 674.3 | 605.8 | 545.8 | 517.2 | 502.9 | 526.7 | 428.6 | 374.3 | 344.8 | 339.1 |
| 52.5°  | 747.7 | 713.4 | 652.4 | 588.6 | 540.0 | 522.9 | 553.4 | 457.2 | 399.1 | 374.3 | 367.6 |
| 55°    | 782.9 | 751.5 | 680.1 | 621.0 | 568.6 | 546.7 | 555.3 | 484.8 | 428.6 | 406.7 | 407.7 |
| 57.5°  | 827.7 | 794.3 | 707.7 | 642.0 | 587.7 | 565.8 | 553.4 | 508.6 | 451.5 | 436.2 | 435.3 |
| 60°    | 875.3 | 836.3 | 746.7 | 659.1 | 601.0 | 578.1 | 572.4 | 533.4 | 465.8 | 445.7 | 439.1 |
| 62.5°  | 868.6 | 844.8 | 781.0 | 690.5 | 624.8 | 593.4 | 569.6 | 521.9 | 478.1 | 451.5 | 436.2 |
| 65°    | 852.4 | 833.4 | 770.5 | 676.2 | 609.6 | 571.5 | 517.2 | 485.8 | 466.7 | 441.0 | 443.8 |
| 67.5°  | 821.0 | 796.3 | 724.8 | 633.4 | 551.5 | 487.7 | 443.8 | 404.8 | 407.7 | 407.7 | 413.4 |
| 70°    | 700.1 | 693.4 | 612.4 | 549.6 | 489.6 | 431.5 | 379.1 | 349.6 | 330.5 | 307.6 | 304.8 |
| 72.5°  | 557.2 | 551.5 | 483.8 | 423.8 | 396.2 | 369.6 | 338.1 | 285.7 | 254.3 | 237.2 | 236.2 |
| 75°    | 412.4 | 407.7 | 376.2 | 337.2 | 312.4 | 289.5 | 263.8 | 229.5 | 204.8 | 196.2 | 194.3 |
| 77.5°  | 300.0 | 288.6 | 278.1 | 269.5 | 264.8 | 242.9 | 210.5 | 185.7 | 173.3 | 168.6 | 167.6 |
| 80°    | 228.6 | 218.1 | 207.6 | 198.1 | 201.0 | 191.4 | 174.3 | 161.9 | 154.3 | 150.5 | 150.5 |
| 82.5°  | 157.2 | 155.3 | 153.3 | 149.5 | 153.3 | 143.8 | 135.2 | 127.6 | 137.2 | 144.8 | 145.7 |
| 85°    | 123.8 | 122.9 | 123.8 | 117.2 | 117.2 | 106.7 | 103.8 | 97.2  | 95.2  | 95.2  | 94.3  |
| 87.5°  | 96.2  | 97.2  | 99.1  | 92.4  | 90.5  | 83.8  | 80.0  | 77.1  | 74.3  | 71.4  | 72.4  |
| 90°    | 71.4  | 72.4  | 72.4  | 67.6  | 65.7  | 61.0  | 58.1  | 56.2  | 53.3  | 50.5  | 50.5  |
| 92.5°  | 50.5  | 50.5  | 50.5  | 47.6  | 46.7  | 43.8  | 41.9  | 41.0  | 41.0  | 41.0  | 41.0  |
| 95°    | 38.1  | 38.1  | 37.1  | 35.2  | 34.3  | 33.3  | 34.3  | 33.3  | 32.4  | 28.6  | 29.5  |
| 97.5°  | 31.4  | 30.5  | 30.5  | 29.5  | 28.6  | 27.6  | 25.7  | 22.9  | 20.0  | 16.2  | 17.1  |
| 100°   | 32.4  | 31.4  | 30.5  | 30.5  | 28.6  | 22.9  | 19.0  | 16.2  | 13.3  | 10.5  | 10.5  |
| 102.5° | 38.1  | 37.1  | 34.3  | 32.4  | 29.5  | 23.8  | 18.1  | 14.3  | 11.4  | 6.7   | 6.7   |
| 105°   | 45.7  | 43.8  | 38.1  | 35.2  | 30.5  | 23.8  | 19.0  | 15.2  | 10.5  | 4.8   | 3.8   |
| 107.5° | 50.5  | 45.7  | 41.9  | 40.0  | 40.0  | 35.2  | 28.6  | 17.1  | 8.6   | 3.8   | 1.9   |
| 110°   | 80.0  | 75.2  | 65.7  | 60.0  | 53.3  | 41.0  | 23.8  | 13.3  | 5.7   | 2.9   | 1.9   |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 70.5 | 67.6 | 58.1 | 46.7 | 35.2 | 24.8 | 14.3 | 9.5  | 5.7  | 1.9  | 1.9  |
| 115°   | 47.6 | 43.8 | 34.3 | 28.6 | 21.9 | 16.2 | 11.4 | 8.6  | 5.7  | 2.9  | 1.0  |
| 117.5° | 29.5 | 27.6 | 23.8 | 20.0 | 18.1 | 14.3 | 10.5 | 7.6  | 3.8  | 1.0  | 0.0  |
| 120°   | 23.8 | 22.9 | 20.0 | 18.1 | 14.3 | 12.4 | 8.6  | 6.7  | 2.9  | 0.0  | 0.0  |
| 122.5° | 21.9 | 21.0 | 18.1 | 15.2 | 13.3 | 10.5 | 7.6  | 4.8  | 1.9  | 1.0  | 0.0  |
| 125°   | 19.0 | 19.0 | 17.1 | 14.3 | 12.4 | 10.5 | 6.7  | 3.8  | 1.0  | 1.0  | 1.0  |
| 127.5° | 15.2 | 15.2 | 13.3 | 12.4 | 9.5  | 7.6  | 5.7  | 3.8  | 1.0  | 1.0  | 1.0  |
| 130°   | 13.3 | 12.4 | 11.4 | 9.5  | 7.6  | 5.7  | 4.8  | 2.9  | 1.0  | 1.0  | 1.0  |
| 132.5° | 12.4 | 11.4 | 9.5  | 8.6  | 6.7  | 4.8  | 3.8  | 2.9  | 1.0  | 1.0  | 1.0  |
| 135°   | 10.5 | 9.5  | 8.6  | 7.6  | 5.7  | 4.8  | 3.8  | 1.9  | 1.0  | 1.0  | 1.0  |
| 137.5° | 8.6  | 8.6  | 7.6  | 6.7  | 4.8  | 4.8  | 3.8  | 1.9  | 1.0  | 1.0  | 1.0  |
| 140°   | 7.6  | 7.6  | 6.7  | 5.7  | 4.8  | 3.8  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  |
| 142.5° | 6.7  | 6.7  | 5.7  | 4.8  | 3.8  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  |
| 145°   | 6.7  | 6.7  | 5.7  | 4.8  | 3.8  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  |
| 147.5° | 5.7  | 5.7  | 5.7  | 4.8  | 2.9  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  |
| 150°   | 5.7  | 5.7  | 4.8  | 3.8  | 2.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  |
| 152.5° | 4.8  | 4.8  | 4.8  | 3.8  | 2.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 155°   | 4.8  | 3.8  | 3.8  | 2.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 157.5° | 3.8  | 3.8  | 2.9  | 2.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 160°   | 2.9  | 2.9  | 2.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 162.5° | 1.9  | 1.9  | 1.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 165°   | 1.9  | 1.9  | 1.9  | 1.9  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 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)