

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: P194684

Luminaire Tested: **GAN-AF-06-LED-U-SLR-7060-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P194684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24296)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-SLR-7060-1200
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34321 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G5

Input Watts (W): 382
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: 28.75 FT

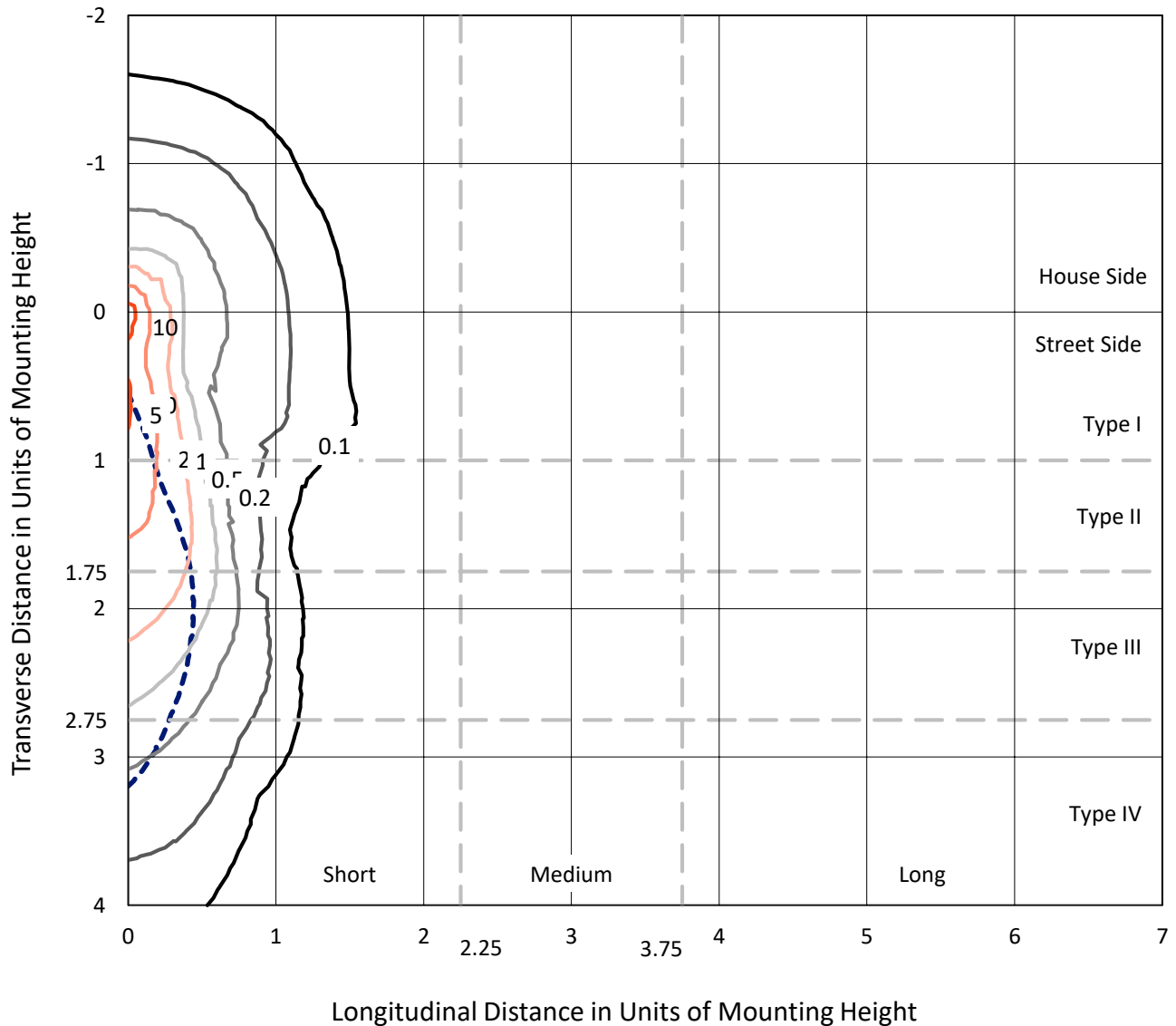


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

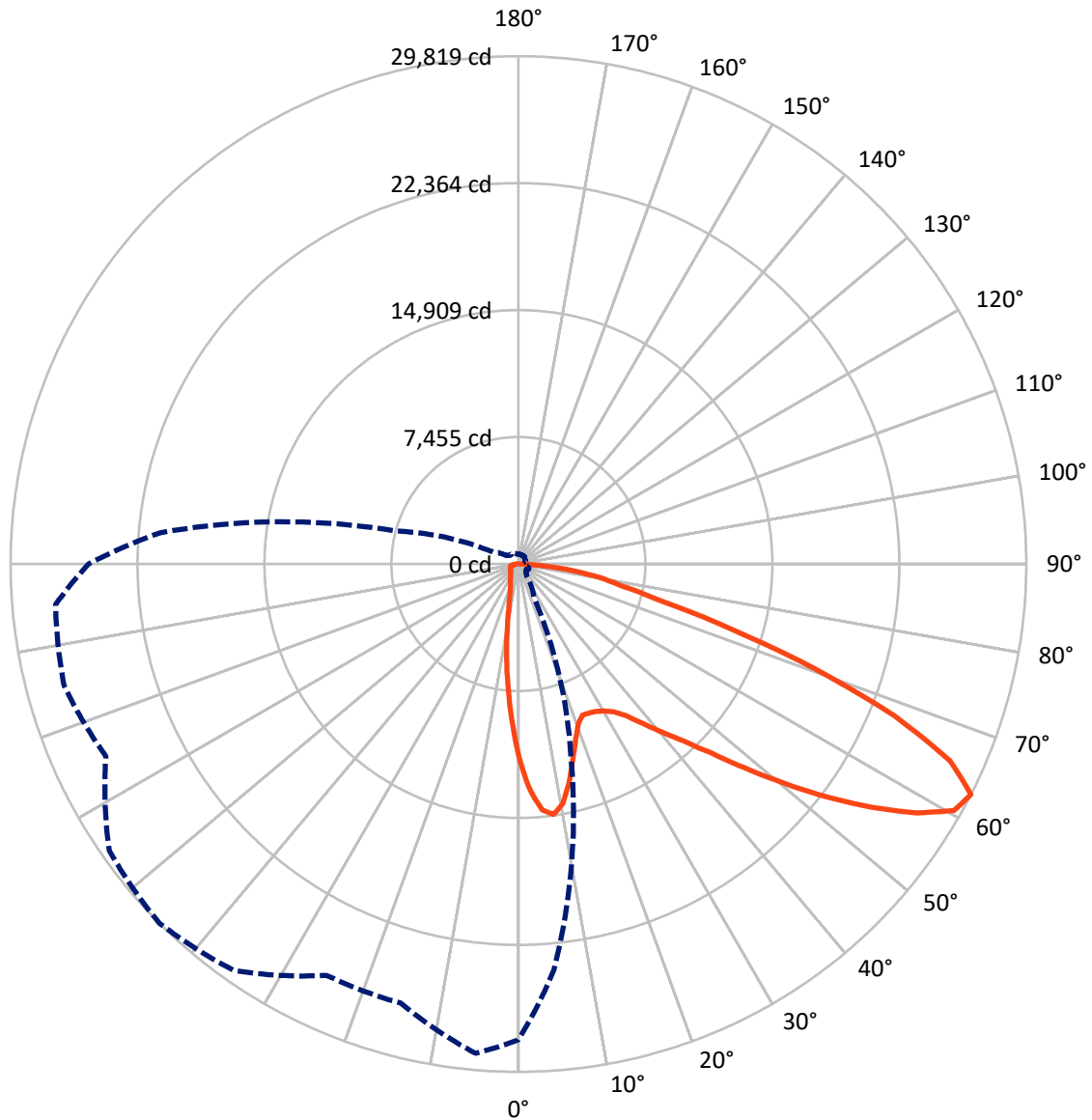


Based on 30 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5679.6 | 0.0 | 5679.6 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 28641.3 | 0.0 | 28641.3 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 34321.0 | 0.0 | 34321.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 844.1 | 2.5 |
| 10°-20° | 1547.9 | 4.5 |
| 20°-30° | 2256.8 | 6.6 |
| 30°-40° | 3475.7 | 10.1 |
| 40°-50° | 5115.4 | 14.9 |
| 50°-60° | 7503.2 | 21.9 |
| 60°-70° | 8387.4 | 24.4 |
| 70°-80° | 4106.4 | 12.0 |
| 80°-90° | 1084.2 | 3.2 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 34321.0 | 100.0 |
| 0°-180° | 34321.0 | 100.0 |

Coefficient of Utilization



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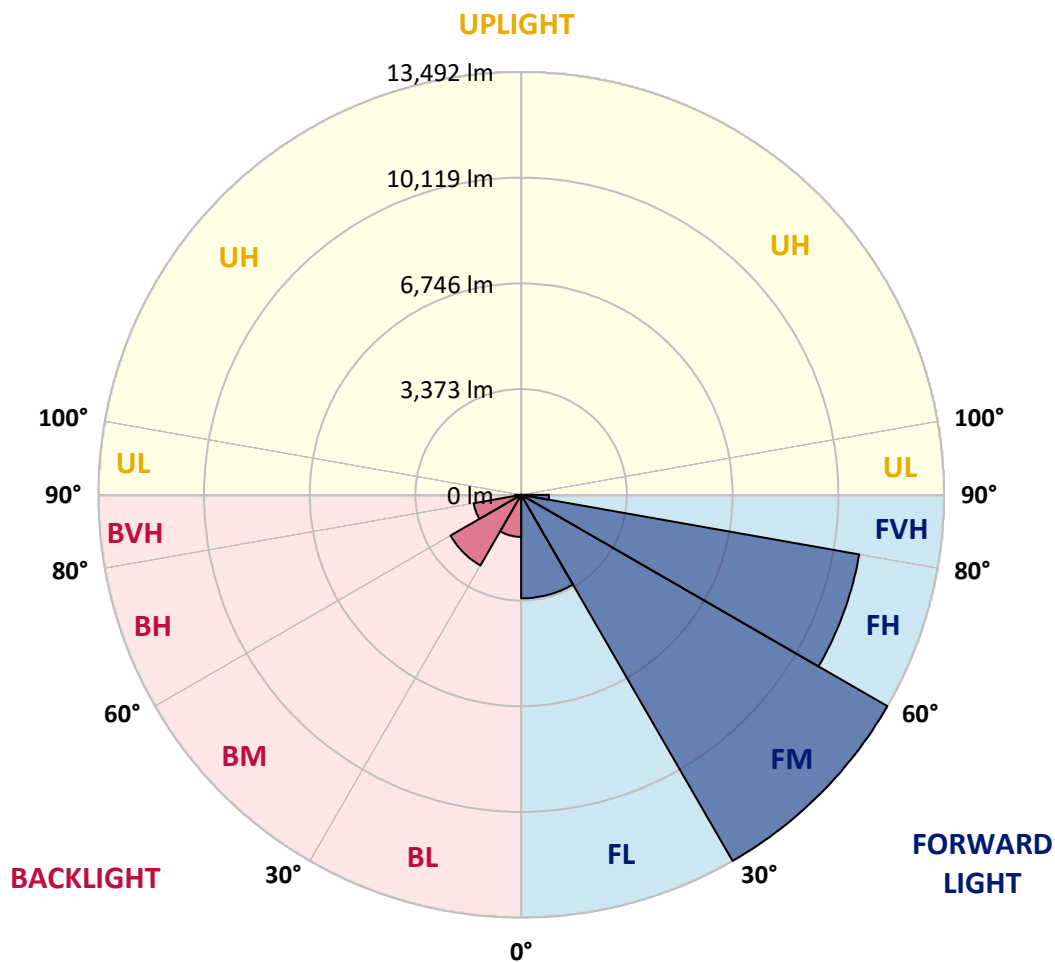
CATALOG NUMBER: GAN-AF-06-LED-U-SLR-7060-1200

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|---------|-----------|-------------------------|------|----------|
| | | | | B | U | G |
| FL | (0°-30°) | 3305.0 | 9.6 | | | |
| FM | (30°-60°) | 13491.9 | 39.3 | | | |
| FH | (60°-80°) | 10954.1 | 31.9 | | | G4/12000 |
| FVH | (80°-90°) | 890.4 | 2.6 | | | G5 |
| BL | (0°-30°) | 1343.7 | 3.9 | B3/2500 | | |
| BM | (30°-60°) | 2602.4 | 7.6 | B3/5000 | | |
| BH | (60°-80°) | 1539.8 | 4.5 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 193.8 | 0.6 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 |
| 2.5° | 12048.3 | 11803.0 | 11395.5 | 10971.0 | 10712.5 | 10410.7 | 10174.8 | 9967.3 | 9552.2 | 9471.1 | 9544.7 |
| 5° | 11329.5 | 10837.0 | 10069.2 | 9295.6 | 8780.6 | 8227.8 | 7797.6 | 7452.4 | 6926.0 | 6833.5 | 6944.8 |
| 7.5° | 10176.7 | 9588.1 | 8573.0 | 7586.3 | 6858.1 | 6167.5 | 5703.4 | 5333.6 | 4922.3 | 4745.0 | 4756.3 |
| 10° | 9182.4 | 8518.3 | 7318.4 | 6244.9 | 5648.7 | 5182.7 | 4792.1 | 4412.9 | 3996.0 | 3722.4 | 3646.9 |
| 12.5° | 8625.9 | 7861.8 | 6478.8 | 5520.4 | 4967.6 | 4477.1 | 4056.3 | 3650.7 | 3205.5 | 2926.2 | 2847.0 |
| 15° | 8529.6 | 7699.5 | 6163.8 | 5056.3 | 4363.9 | 3743.2 | 3247.0 | 2794.2 | 2335.7 | 2109.3 | 2062.1 |
| 17.5° | 8946.6 | 7990.1 | 6061.9 | 4643.1 | 3796.0 | 3030.0 | 2420.6 | 1915.0 | 1541.4 | 1428.2 | 1418.8 |
| 20° | 9746.5 | 8548.5 | 6048.7 | 4254.4 | 3235.6 | 2337.6 | 1686.7 | 1318.8 | 1154.6 | 1122.6 | 1124.5 |
| 22.5° | 10869.1 | 9414.5 | 6210.9 | 3962.0 | 2720.6 | 1743.3 | 1267.8 | 1103.7 | 1039.6 | 1009.4 | 1009.4 |
| 25° | 12321.9 | 10606.9 | 6584.5 | 3748.8 | 2273.4 | 1392.4 | 1118.8 | 1020.7 | 960.3 | 939.6 | 943.3 |
| 27.5° | 13729.3 | 11767.2 | 7018.4 | 3580.9 | 1981.0 | 1264.1 | 1060.3 | 971.6 | 918.8 | 898.1 | 907.5 |
| 30° | 14827.4 | 12797.3 | 7380.7 | 3352.6 | 1832.0 | 1228.2 | 1081.1 | 990.5 | 915.0 | 883.0 | 884.8 |
| 32.5° | 15736.7 | 13699.1 | 7684.4 | 3188.5 | 1699.9 | 1052.8 | 932.0 | 892.4 | 883.0 | 845.2 | 826.4 |
| 35° | 16898.9 | 14682.1 | 7888.2 | 3192.2 | 1637.6 | 939.6 | 830.1 | 760.3 | 709.4 | 666.0 | 666.0 |
| 37.5° | 18261.1 | 15810.3 | 8105.1 | 3235.6 | 1615.0 | 873.5 | 794.3 | 724.5 | 677.3 | 635.8 | 628.3 |
| 40° | 19608.2 | 16915.9 | 8303.2 | 3277.1 | 1601.8 | 833.9 | 766.0 | 701.8 | 658.4 | 616.9 | 605.6 |
| 42.5° | 20753.4 | 17825.3 | 8480.6 | 3297.9 | 1556.5 | 830.1 | 745.2 | 686.7 | 645.2 | 600.0 | 588.6 |
| 45° | 21600.5 | 18587.5 | 8671.1 | 3330.0 | 1511.2 | 845.2 | 745.2 | 684.9 | 633.9 | 590.5 | 579.2 |
| 47.5° | 22357.1 | 19481.8 | 8990.0 | 3330.0 | 1456.5 | 816.9 | 769.8 | 686.7 | 632.0 | 586.8 | 577.3 |
| 50° | 23370.2 | 20708.1 | 9593.7 | 3252.6 | 1379.2 | 786.7 | 811.3 | 679.2 | 615.1 | 579.2 | 567.9 |
| 52.5° | 24766.3 | 22279.7 | 10552.2 | 3118.7 | 1260.3 | 728.3 | 805.6 | 675.4 | 598.1 | 560.3 | 547.1 |
| 55° | 26417.2 | 23962.6 | 11597.4 | 2962.1 | 1082.9 | 686.7 | 777.3 | 666.0 | 579.2 | 537.7 | 524.5 |
| 57.5° | 27705.8 | 25121.0 | 12333.2 | 2720.6 | 928.2 | 664.1 | 688.6 | 656.6 | 556.6 | 513.2 | 501.9 |
| 60° | 28218.9 | 25075.7 | 12535.0 | 2398.0 | 852.8 | 645.2 | 601.8 | 735.8 | 537.7 | 494.3 | 481.1 |
| 62.5° | 27941.6 | 23917.3 | 11969.0 | 2171.6 | 835.8 | 620.7 | 564.1 | 681.1 | 522.6 | 481.1 | 462.2 |
| 65° | 26660.6 | 21864.6 | 10469.1 | 2111.2 | 884.8 | 596.2 | 539.6 | 533.9 | 501.9 | 462.2 | 443.4 |
| 67.5° | 23870.2 | 18796.9 | 8382.5 | 2116.8 | 947.1 | 571.7 | 515.1 | 488.6 | 473.6 | 441.5 | 424.5 |
| 70° | 19442.1 | 14861.3 | 6248.7 | 2131.9 | 979.2 | 543.4 | 488.6 | 460.3 | 443.4 | 411.3 | 400.0 |
| 72.5° | 14295.3 | 11454.0 | 4539.3 | 2033.8 | 984.8 | 511.3 | 452.8 | 428.3 | 411.3 | 377.3 | 367.9 |
| 75° | 9780.5 | 8761.7 | 3148.9 | 1684.8 | 858.4 | 466.0 | 413.2 | 390.5 | 379.2 | 337.7 | 332.1 |
| 77.5° | 7144.8 | 6576.9 | 2015.0 | 1250.9 | 662.2 | 409.4 | 364.1 | 347.1 | 339.6 | 294.3 | 286.8 |
| 80° | 5733.6 | 5203.4 | 1260.3 | 856.5 | 484.9 | 343.4 | 305.6 | 296.2 | 288.7 | 243.4 | 237.7 |
| 82.5° | 3977.1 | 3484.7 | 809.4 | 556.6 | 364.1 | 266.0 | 241.5 | 237.7 | 226.4 | 184.9 | 179.2 |
| 85° | 2098.0 | 1892.3 | 513.2 | 379.2 | 264.1 | 183.0 | 167.9 | 167.9 | 162.3 | 122.6 | 118.9 |
| 87.5° | 267.9 | 435.8 | 260.4 | 198.1 | 145.3 | 81.1 | 81.1 | 79.2 | 84.9 | 69.8 | 60.4 |
| 90° | 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° | 180° | 185° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 |
| 2.5° | 9371.1 | 9461.7 | 9374.9 | 9380.5 | 9476.8 | 9763.5 | 9893.7 | 10001.2 | 10116.3 | 10191.8 | 10225.8 |
| 5° | 6792.0 | 7003.3 | 7075.0 | 7226.0 | 7448.6 | 7814.6 | 7959.9 | 8065.5 | 8135.3 | 8176.8 | 8193.8 |
| 7.5° | 4645.0 | 4773.3 | 4916.7 | 5160.0 | 5644.9 | 5860.0 | 5956.2 | 5931.7 | 5852.5 | 5824.2 | 5795.9 |
| 10° | 3501.7 | 3450.7 | 3424.3 | 3558.3 | 3950.7 | 4167.7 | 4235.6 | 4169.5 | 4126.2 | 4135.6 | 4182.8 |
| 12.5° | 2713.0 | 2624.4 | 2516.8 | 2501.7 | 2760.2 | 2954.5 | 2997.9 | 3001.7 | 3080.9 | 3150.7 | 3254.5 |
| 15° | 1977.2 | 1967.8 | 1915.0 | 1882.9 | 2030.1 | 2188.5 | 2207.4 | 2241.4 | 2313.1 | 2364.0 | 2454.6 |
| 17.5° | 1394.3 | 1445.2 | 1486.7 | 1507.5 | 1618.8 | 1732.0 | 1711.2 | 1694.2 | 1681.0 | 1681.0 | 1724.4 |
| 20° | 1124.5 | 1158.4 | 1211.2 | 1271.6 | 1384.8 | 1464.1 | 1413.1 | 1345.2 | 1296.1 | 1281.0 | 1286.7 |
| 22.5° | 1013.1 | 1039.6 | 1069.7 | 1122.6 | 1224.4 | 1279.2 | 1224.4 | 1175.4 | 1126.3 | 1109.4 | 1103.7 |
| 25° | 956.5 | 990.5 | 1018.8 | 1058.4 | 1133.9 | 1171.6 | 1118.8 | 1082.9 | 1052.8 | 1032.0 | 1016.9 |
| 27.5° | 924.5 | 954.7 | 962.2 | 981.1 | 1045.2 | 1079.2 | 1052.8 | 1037.7 | 1018.8 | 999.9 | 981.1 |
| 30° | 890.5 | 884.8 | 871.6 | 873.5 | 924.5 | 958.4 | 956.5 | 960.3 | 958.4 | 952.8 | 949.0 |
| 32.5° | 813.2 | 801.8 | 790.5 | 801.8 | 849.0 | 879.2 | 881.1 | 888.6 | 888.6 | 886.7 | 901.8 |
| 35° | 677.3 | 698.1 | 711.3 | 745.2 | 801.8 | 828.2 | 816.9 | 798.1 | 764.1 | 743.3 | 741.5 |
| 37.5° | 626.4 | 630.1 | 652.8 | 700.0 | 762.2 | 786.7 | 769.8 | 726.4 | 703.7 | 700.0 | 705.6 |
| 40° | 601.8 | 605.6 | 618.8 | 662.2 | 724.5 | 749.0 | 733.9 | 701.8 | 681.1 | 679.2 | 688.6 |
| 42.5° | 584.9 | 588.6 | 596.2 | 626.4 | 677.3 | 707.5 | 709.4 | 686.7 | 662.2 | 664.1 | 673.5 |
| 45° | 575.4 | 577.3 | 575.4 | 590.5 | 637.7 | 673.5 | 688.6 | 673.5 | 652.8 | 656.6 | 667.9 |
| 47.5° | 573.5 | 567.9 | 560.3 | 564.1 | 613.2 | 649.0 | 667.9 | 662.2 | 652.8 | 656.6 | 666.0 |
| 50° | 566.0 | 552.8 | 543.4 | 541.5 | 590.5 | 628.3 | 645.2 | 645.2 | 649.0 | 656.6 | 666.0 |
| 52.5° | 543.4 | 528.3 | 528.3 | 522.6 | 575.4 | 611.3 | 622.6 | 624.5 | 630.1 | 643.4 | 656.6 |
| 55° | 515.1 | 509.4 | 515.1 | 505.6 | 564.1 | 598.1 | 603.7 | 607.5 | 611.3 | 622.6 | 641.5 |
| 57.5° | 490.5 | 483.0 | 496.2 | 492.4 | 554.7 | 584.9 | 584.9 | 592.4 | 592.4 | 607.5 | 622.6 |
| 60° | 477.3 | 462.2 | 467.9 | 471.7 | 541.5 | 573.5 | 569.8 | 577.3 | 581.1 | 594.3 | 605.6 |
| 62.5° | 460.3 | 447.1 | 447.1 | 456.6 | 526.4 | 556.6 | 554.7 | 560.3 | 575.4 | 579.2 | 590.5 |
| 65° | 439.6 | 433.9 | 428.3 | 439.6 | 511.3 | 537.7 | 539.6 | 547.1 | 560.3 | 564.1 | 573.5 |
| 67.5° | 418.8 | 420.7 | 409.4 | 420.7 | 498.1 | 518.8 | 518.8 | 533.9 | 539.6 | 547.1 | 556.6 |
| 70° | 396.2 | 398.1 | 388.7 | 401.9 | 488.6 | 498.1 | 496.2 | 516.9 | 520.7 | 526.4 | 535.8 |
| 72.5° | 367.9 | 367.9 | 364.1 | 383.0 | 473.6 | 477.3 | 473.6 | 490.5 | 492.4 | 498.1 | 501.9 |
| 75° | 337.7 | 337.7 | 333.9 | 360.4 | 464.1 | 454.7 | 443.4 | 456.6 | 460.3 | 464.1 | 464.1 |
| 77.5° | 298.1 | 301.9 | 301.9 | 333.9 | 432.0 | 445.3 | 407.5 | 415.1 | 420.7 | 422.6 | 417.0 |
| 80° | 249.0 | 258.5 | 262.2 | 303.8 | 362.2 | 411.3 | 364.1 | 369.8 | 371.7 | 371.7 | 364.1 |
| 82.5° | 190.6 | 207.5 | 217.0 | 262.2 | 277.3 | 345.3 | 317.0 | 322.6 | 317.0 | 305.6 | 301.9 |
| 85° | 132.1 | 154.7 | 166.0 | 200.0 | 209.4 | 266.0 | 264.1 | 264.1 | 252.8 | 237.7 | 235.8 |
| 87.5° | 71.7 | 84.9 | 92.4 | 118.9 | 143.4 | 179.2 | 194.3 | 188.7 | 179.2 | 169.8 | 171.7 |
| 90° | 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):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 | 11595.5 |
| 2.5° | 10403.1 | 10659.7 | 11069.1 | 11382.3 | 11697.4 | 12001.1 | 12329.4 | 12580.3 | 12793.5 | 12876.5 | 13129.3 |
| 5° | 8365.5 | 8686.2 | 9073.0 | 9771.1 | 10265.4 | 10810.6 | 11440.8 | 12274.7 | 12595.4 | 13038.8 | 13765.2 |
| 7.5° | 5914.7 | 6205.3 | 6827.9 | 7392.0 | 8091.9 | 8863.6 | 9714.5 | 10865.3 | 11286.1 | 11997.3 | 13180.3 |
| 10° | 4416.7 | 4754.4 | 5254.4 | 5729.8 | 6346.8 | 7135.4 | 8112.7 | 9399.4 | 9910.7 | 10682.3 | 12044.5 |
| 12.5° | 3558.3 | 3956.3 | 4486.5 | 4933.6 | 5411.0 | 5967.5 | 6916.5 | 8327.8 | 9012.6 | 9688.1 | 11065.3 |
| 15° | 2733.8 | 3150.7 | 3643.2 | 4211.1 | 4737.4 | 5337.4 | 6331.7 | 7875.0 | 8663.6 | 9367.3 | 10542.7 |
| 17.5° | 1892.3 | 2248.9 | 2869.6 | 3462.0 | 4135.6 | 4903.5 | 6169.4 | 7971.2 | 8912.6 | 9723.9 | 10633.3 |
| 20° | 1341.4 | 1545.2 | 2054.6 | 2741.3 | 3580.9 | 4545.0 | 6139.2 | 8476.8 | 9701.3 | 10627.6 | 11214.4 |
| 22.5° | 1128.2 | 1203.7 | 1499.9 | 2130.1 | 3099.8 | 4277.1 | 6244.9 | 9186.2 | 10765.3 | 11948.3 | 12140.7 |
| 25° | 1028.2 | 1073.5 | 1228.2 | 1671.6 | 2671.5 | 4082.8 | 6601.5 | 10242.7 | 12082.2 | 13269.0 | 13235.0 |
| 27.5° | 973.5 | 1020.7 | 1122.6 | 1411.2 | 2348.9 | 3962.0 | 6958.0 | 11495.5 | 13587.8 | 14702.8 | 14280.2 |
| 30° | 956.5 | 1020.7 | 1128.2 | 1330.1 | 2118.7 | 3771.5 | 7250.5 | 12595.4 | 14746.2 | 15670.7 | 14755.7 |
| 32.5° | 943.3 | 952.8 | 1001.8 | 1147.1 | 1899.9 | 3548.8 | 7448.6 | 13582.1 | 15880.1 | 16591.4 | 15440.5 |
| 35° | 762.2 | 809.4 | 888.6 | 1028.2 | 1771.6 | 3414.9 | 7448.6 | 14433.0 | 16997.0 | 17521.5 | 16093.3 |
| 37.5° | 733.9 | 775.4 | 845.2 | 964.1 | 1699.9 | 3348.8 | 7299.5 | 15253.7 | 18138.5 | 18576.2 | 16631.0 |
| 40° | 718.8 | 752.8 | 818.8 | 915.0 | 1669.7 | 3273.4 | 7082.6 | 15978.2 | 19253.5 | 19632.7 | 17132.9 |
| 42.5° | 707.5 | 737.7 | 799.9 | 884.8 | 1630.1 | 3190.4 | 6907.1 | 16559.3 | 20221.3 | 20534.5 | 17612.1 |
| 45° | 701.8 | 733.9 | 801.8 | 899.9 | 1550.8 | 3080.9 | 6848.6 | 17187.6 | 21017.5 | 21287.3 | 18130.9 |
| 47.5° | 701.8 | 739.6 | 811.3 | 932.0 | 1456.5 | 2967.7 | 7031.6 | 18015.8 | 21770.3 | 21902.4 | 18742.2 |
| 50° | 696.2 | 737.7 | 837.7 | 899.9 | 1318.8 | 2824.3 | 7461.8 | 19059.2 | 22585.3 | 22600.4 | 19515.7 |
| 52.5° | 684.9 | 733.9 | 901.8 | 881.1 | 1160.3 | 2635.7 | 8042.9 | 20398.7 | 23790.9 | 23881.5 | 20727.0 |
| 55° | 671.7 | 728.3 | 884.8 | 837.7 | 1030.1 | 2411.2 | 8518.3 | 22026.9 | 25485.2 | 25736.1 | 22508.0 |
| 57.5° | 654.7 | 720.7 | 856.5 | 777.3 | 945.2 | 2122.5 | 8690.0 | 23219.3 | 26668.1 | 27298.2 | 24515.4 |
| 60° | 639.6 | 715.0 | 773.5 | 741.5 | 892.4 | 1879.1 | 8358.0 | 22983.4 | 26587.0 | 27945.4 | 26294.5 |
| 62.5° | 624.5 | 720.7 | 705.6 | 718.8 | 867.9 | 1722.5 | 7490.1 | 21094.9 | 25241.8 | 27277.5 | 27613.3 |
| 65° | 607.5 | 669.8 | 666.0 | 700.0 | 862.2 | 1660.3 | 6209.0 | 18263.0 | 22641.9 | 25166.3 | 27924.6 |
| 67.5° | 584.9 | 618.8 | 637.7 | 675.4 | 881.1 | 1605.6 | 5011.0 | 15065.1 | 19029.0 | 22002.4 | 26302.1 |
| 70° | 560.3 | 588.6 | 609.4 | 645.2 | 869.8 | 1581.0 | 4167.7 | 11880.4 | 15099.0 | 18032.8 | 23100.4 |
| 72.5° | 528.3 | 552.8 | 571.7 | 605.6 | 858.4 | 1567.8 | 3520.5 | 9567.3 | 11272.9 | 13395.4 | 18781.8 |
| 75° | 490.5 | 513.2 | 526.4 | 560.3 | 822.6 | 1435.8 | 2767.7 | 8095.7 | 8435.3 | 9318.3 | 14959.4 |
| 77.5° | 447.1 | 464.1 | 475.4 | 513.2 | 728.3 | 1194.3 | 2001.8 | 6244.9 | 6550.5 | 6765.6 | 11469.1 |
| 80° | 396.2 | 413.2 | 418.8 | 454.7 | 603.7 | 933.9 | 1305.6 | 4612.9 | 4899.7 | 4948.7 | 7490.1 |
| 82.5° | 337.7 | 354.7 | 354.7 | 388.7 | 494.3 | 671.7 | 856.5 | 3160.2 | 3216.8 | 3382.8 | 5294.0 |
| 85° | 271.7 | 284.9 | 284.9 | 301.9 | 383.0 | 501.9 | 588.6 | 1586.7 | 1569.7 | 1792.3 | 4586.5 |
| 87.5° | 194.3 | 203.8 | 213.2 | 217.0 | 273.6 | 332.1 | 354.7 | 483.0 | 318.8 | 366.0 | 2945.1 |
| 90° | 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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| 7.5° | 14197.2 | 14833.0 | 14848.1 | 14227.4 | 13176.5 | 11995.5 | 10761.6 | 10176.7 |
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| 37.5° | 14189.7 | 12174.7 | 11878.5 | 12599.2 | 13829.3 | 15868.8 | 18093.2 | 18261.1 |
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| 65° | 26273.8 | 27692.6 | 27851.0 | 27794.4 | 26345.5 | 27671.8 | 28052.9 | 26660.6 |
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| 75° | 10435.2 | 8554.2 | 8607.0 | 8586.2 | 9718.2 | 14244.4 | 12646.4 | 9780.5 |
| 77.5° | 7301.4 | 6197.7 | 6226.0 | 6343.0 | 6533.5 | 10742.7 | 9035.3 | 7144.8 |
| 80° | 5020.4 | 4703.5 | 4860.1 | 4869.5 | 4528.0 | 7216.5 | 6675.0 | 5733.6 |
| 82.5° | 3739.4 | 3269.6 | 3231.9 | 3286.6 | 3548.8 | 5846.8 | 5129.9 | 3977.1 |
| 85° | 3062.1 | 1935.7 | 1556.5 | 1950.8 | 3145.1 | 5790.2 | 3407.3 | 2098.0 |
| 87.5° | 1724.4 | 918.8 | 415.1 | 769.8 | 1254.6 | 3833.7 | 984.8 | 267.9 |
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