

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: INVUE

Report Number: P676325

Luminaire Tested: **CCW-SA-2B-830-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676325
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-830-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

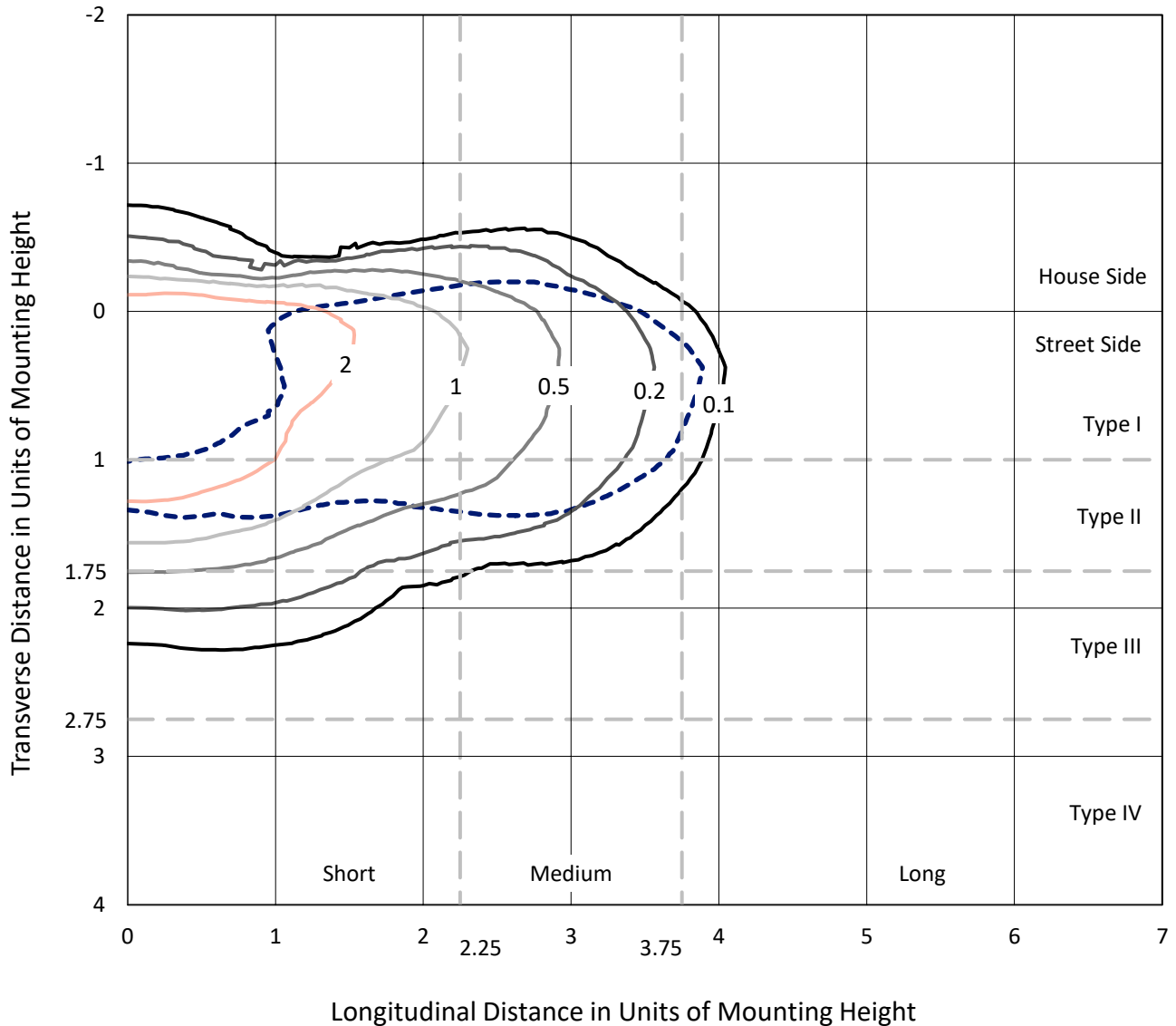
Lumens per Lamp: N/A
Luminaire Lumens: 4236.7 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): 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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

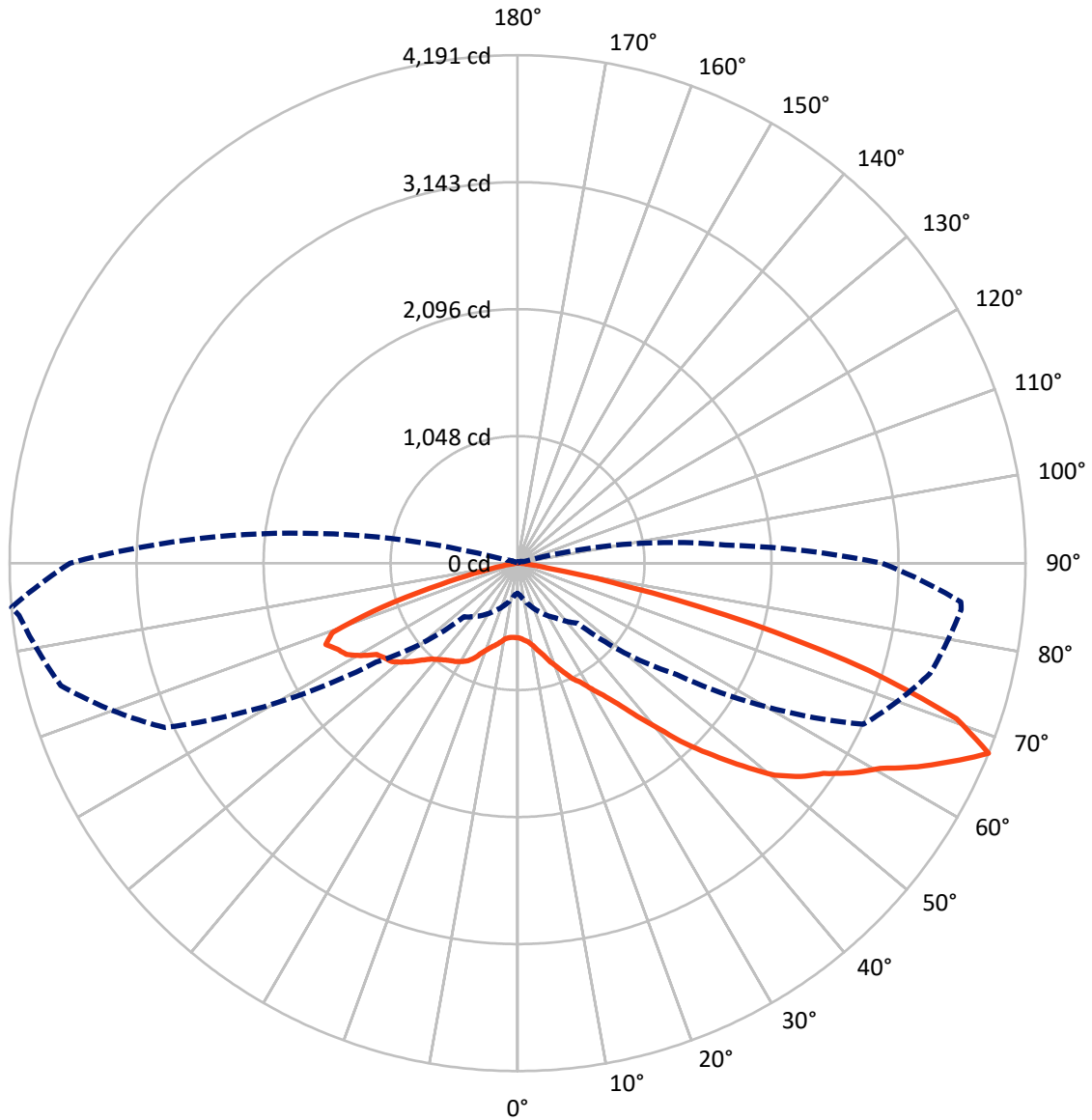
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 275-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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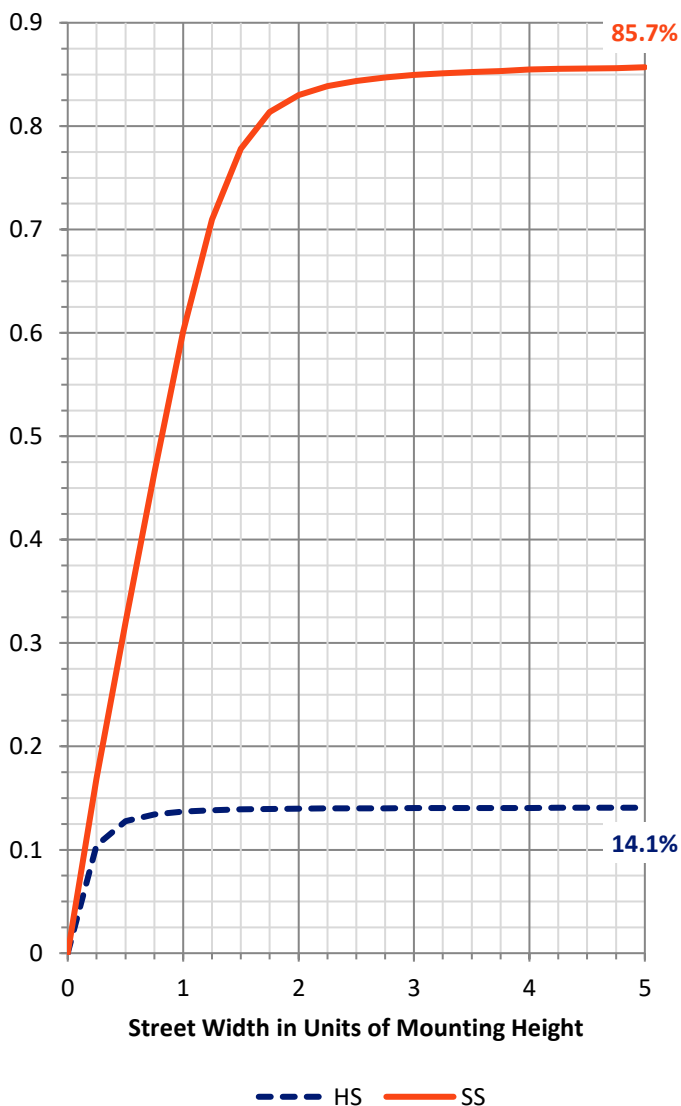
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 601.9 | 0.0 | 601.9 |
| | % Fixture | 14.2 | 0.0 | 14.2 |
| Street Side | Lumens | 3634.8 | 0.0 | 3634.8 |
| | % Fixture | 85.8 | 0.0 | 85.8 |
| Total | Lumens | 4236.7 | 0.0 | 4236.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 56.2 | 1.3 |
| 10°-20° | 151.1 | 3.6 |
| 20°-30° | 250.9 | 5.9 |
| 30°-40° | 431.6 | 10.2 |
| 40°-50° | 775.6 | 18.3 |
| 50°-60° | 1104.2 | 26.1 |
| 60°-70° | 1006.6 | 23.8 |
| 70°-80° | 428.7 | 10.1 |
| 80°-90° | 31.9 | 0.8 |
| 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° | 4236.7 | 100.0 |
| 0°-180° | 4236.7 | 100.0 |



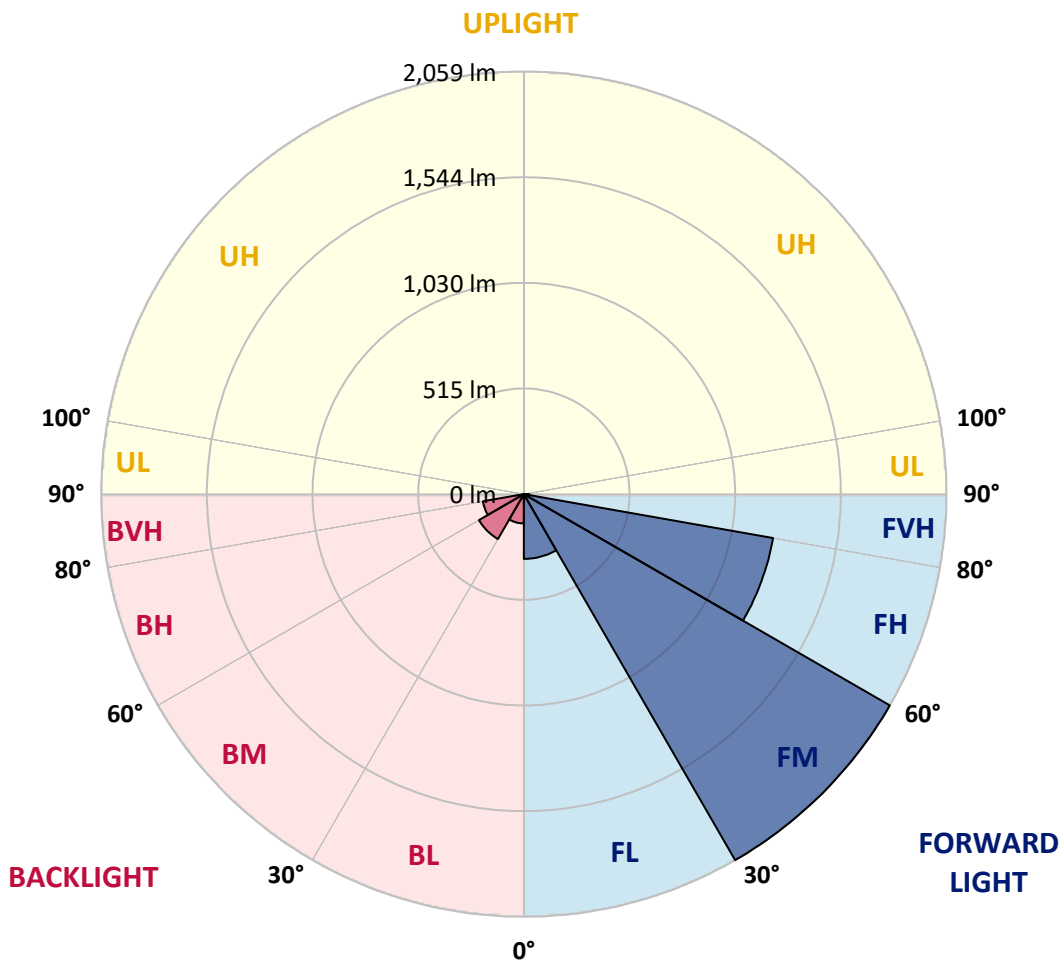
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 315.6 | 7.4 | | | |
| FM (30°-60°) | 2059.0 | 48.6 | | | |
| FH (60°-80°) | 1233.0 | 29.1 | | | G1/1800 |
| FVH (80°-90°) | 27.1 | 0.6 | | | G1/100 |
| BL (0°-30°) | 142.5 | 3.4 | B1/500 | | |
| BM (30°-60°) | 252.3 | 6.0 | B1/1000 | | |
| BH (60°-80°) | 202.2 | 4.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 4.8 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 638.3 | 644.4 | 644.4 | 642.3 | 636.3 | 632.2 | 630.2 | 626.2 | 622.1 | 622.1 | 624.2 |
| 5° | 644.4 | 638.3 | 646.4 | 636.3 | 636.3 | 636.3 | 644.4 | 640.3 | 638.3 | 628.2 | 628.2 |
| 7.5° | 644.4 | 638.3 | 638.3 | 644.4 | 638.3 | 642.3 | 652.4 | 648.4 | 656.5 | 638.3 | 642.3 |
| 10° | 626.2 | 624.2 | 628.2 | 636.3 | 638.3 | 646.4 | 656.5 | 676.7 | 678.7 | 666.6 | 664.6 |
| 12.5° | 589.8 | 587.8 | 601.9 | 606.0 | 630.2 | 650.4 | 680.7 | 696.9 | 715.1 | 709.0 | 696.9 |
| 15° | 563.6 | 567.6 | 577.7 | 593.9 | 616.1 | 652.4 | 686.8 | 723.1 | 755.5 | 747.4 | 743.3 |
| 17.5° | 573.7 | 571.6 | 573.7 | 583.8 | 612.0 | 648.4 | 707.0 | 749.4 | 795.9 | 795.9 | 799.9 |
| 20° | 604.0 | 610.0 | 608.0 | 601.9 | 616.1 | 646.4 | 707.0 | 781.7 | 858.5 | 852.4 | 852.4 |
| 22.5° | 656.5 | 658.5 | 646.4 | 642.3 | 640.3 | 658.5 | 719.1 | 822.1 | 911.0 | 923.1 | 919.1 |
| 25° | 711.0 | 713.0 | 709.0 | 696.9 | 680.7 | 684.8 | 741.3 | 854.4 | 983.7 | 1003.9 | 999.9 |
| 27.5° | 801.9 | 799.9 | 789.8 | 775.7 | 751.4 | 733.2 | 775.7 | 878.7 | 1040.3 | 1074.6 | 1064.5 |
| 30° | 892.8 | 886.7 | 872.6 | 854.4 | 832.2 | 797.9 | 818.1 | 925.1 | 1111.0 | 1143.3 | 1121.1 |
| 32.5° | 1003.9 | 991.8 | 995.8 | 967.5 | 921.1 | 866.5 | 862.5 | 967.5 | 1167.5 | 1214.0 | 1195.8 |
| 35° | 1145.3 | 1131.2 | 1111.0 | 1084.7 | 1040.3 | 967.5 | 945.3 | 1036.2 | 1262.5 | 1296.8 | 1296.8 |
| 37.5° | 1331.1 | 1345.3 | 1321.0 | 1212.0 | 1163.5 | 1094.8 | 1048.3 | 1106.9 | 1345.3 | 1428.1 | 1407.9 |
| 40° | 1521.0 | 1533.1 | 1488.7 | 1407.9 | 1302.9 | 1218.0 | 1189.7 | 1222.1 | 1470.5 | 1569.5 | 1531.1 |
| 42.5° | 1674.5 | 1690.7 | 1674.5 | 1569.5 | 1486.7 | 1377.6 | 1327.1 | 1357.4 | 1632.1 | 1751.3 | 1700.8 |
| 45° | 1836.1 | 1852.3 | 1834.1 | 1765.4 | 1684.6 | 1622.0 | 1494.7 | 1533.1 | 1801.8 | 1979.5 | 1923.0 |
| 47.5° | 1957.3 | 1977.5 | 1945.2 | 1931.0 | 1866.4 | 1856.3 | 1640.2 | 1682.6 | 1979.5 | 2209.8 | 2139.1 |
| 50° | 1985.6 | 2007.8 | 2036.1 | 2052.2 | 2030.0 | 2054.3 | 1836.1 | 1872.5 | 2165.4 | 2421.9 | 2353.2 |
| 52.5° | 1918.9 | 1941.1 | 2003.8 | 2078.5 | 2181.5 | 2254.2 | 2034.1 | 2064.4 | 2359.3 | 2597.6 | 2561.3 |
| 55° | 1723.0 | 1743.2 | 1870.4 | 1971.4 | 2217.9 | 2337.1 | 2223.9 | 2351.2 | 2498.6 | 2781.4 | 2692.6 |
| 57.5° | 1393.7 | 1418.0 | 1585.6 | 1741.2 | 2096.7 | 2290.6 | 2337.1 | 2589.5 | 2728.9 | 2916.8 | 2813.8 |
| 60° | 989.8 | 1003.9 | 1149.3 | 1424.0 | 1761.4 | 2058.3 | 2314.8 | 2767.3 | 2910.7 | 3098.6 | 3044.0 |
| 62.5° | 569.6 | 581.7 | 733.2 | 991.8 | 1329.1 | 1719.0 | 2215.9 | 2934.9 | 3106.6 | 3298.5 | 3268.2 |
| 65° | 377.7 | 381.8 | 484.8 | 626.2 | 864.5 | 1266.5 | 1965.4 | 3084.4 | 3300.6 | 3458.1 | 3423.8 |
| 67.5° | 248.5 | 270.7 | 351.5 | 448.4 | 553.5 | 700.9 | 1601.8 | 3147.0 | 3522.7 | 3680.3 | 3672.2 |
| 70° | 177.8 | 185.8 | 252.5 | 345.4 | 416.1 | 393.9 | 937.2 | 2704.7 | 3512.6 | 3740.9 | 3674.2 |
| 72.5° | 105.0 | 113.1 | 167.7 | 258.6 | 327.2 | 250.5 | 438.3 | 1912.9 | 2910.7 | 2985.4 | 2967.3 |
| 75° | 76.8 | 76.8 | 103.0 | 185.8 | 238.4 | 179.8 | 206.0 | 1209.9 | 1933.1 | 2098.7 | 2096.7 |
| 77.5° | 54.5 | 56.6 | 70.7 | 111.1 | 183.8 | 131.3 | 113.1 | 672.6 | 1056.4 | 1155.4 | 1100.9 |
| 80° | 32.3 | 34.3 | 48.5 | 66.7 | 133.3 | 94.9 | 74.7 | 307.0 | 406.0 | 410.0 | 389.8 |
| 82.5° | 24.2 | 24.2 | 32.3 | 46.5 | 92.9 | 64.6 | 46.5 | 117.2 | 131.3 | 119.2 | 101.0 |
| 85° | 14.1 | 12.1 | 24.2 | 34.3 | 54.5 | 36.4 | 32.3 | 54.5 | 60.6 | 44.4 | 40.4 |
| 87.5° | 4.0 | 4.0 | 10.1 | 12.1 | 24.2 | 20.2 | 14.1 | 20.2 | 28.3 | 16.2 | 12.1 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 620.1 | 614.1 | 604.0 | 599.9 | 585.8 | 579.7 | 575.7 | 565.6 | 567.6 | 561.5 | 561.5 |
| 5° | 614.1 | 614.1 | 593.9 | 571.6 | 549.4 | 535.3 | 519.1 | 498.9 | 498.9 | 490.8 | 492.9 |
| 7.5° | 636.3 | 620.1 | 593.9 | 553.5 | 517.1 | 484.8 | 470.6 | 450.4 | 438.3 | 432.3 | 432.3 |
| 10° | 650.4 | 634.3 | 589.8 | 541.3 | 494.9 | 454.5 | 424.2 | 395.9 | 379.7 | 379.7 | 377.7 |
| 12.5° | 688.8 | 664.6 | 606.0 | 539.3 | 470.6 | 410.0 | 363.6 | 331.3 | 309.0 | 292.9 | 296.9 |
| 15° | 721.1 | 694.9 | 614.1 | 523.2 | 428.2 | 343.4 | 286.8 | 226.2 | 195.9 | 179.8 | 173.7 |
| 17.5° | 771.6 | 723.1 | 632.2 | 494.9 | 363.6 | 268.6 | 185.8 | 135.3 | 123.2 | 121.2 | 121.2 |
| 20° | 814.0 | 757.5 | 634.3 | 440.3 | 298.9 | 171.7 | 119.2 | 111.1 | 105.0 | 103.0 | 101.0 |
| 22.5° | 872.6 | 801.9 | 626.2 | 377.7 | 214.1 | 115.1 | 101.0 | 92.9 | 88.9 | 82.8 | 82.8 |
| 25° | 933.2 | 860.5 | 610.0 | 319.1 | 131.3 | 99.0 | 88.9 | 80.8 | 72.7 | 68.7 | 70.7 |
| 27.5° | 997.8 | 904.9 | 563.6 | 248.5 | 101.0 | 86.9 | 72.7 | 66.7 | 62.6 | 60.6 | 60.6 |
| 30° | 1050.4 | 933.2 | 494.9 | 165.6 | 90.9 | 76.8 | 64.6 | 58.6 | 54.5 | 52.5 | 52.5 |
| 32.5° | 1088.7 | 957.4 | 418.1 | 111.1 | 82.8 | 68.7 | 58.6 | 52.5 | 48.5 | 46.5 | 46.5 |
| 35° | 1153.4 | 975.6 | 347.4 | 94.9 | 74.7 | 60.6 | 50.5 | 46.5 | 42.4 | 42.4 | 42.4 |
| 37.5° | 1252.4 | 999.9 | 276.7 | 86.9 | 68.7 | 54.5 | 48.5 | 42.4 | 40.4 | 38.4 | 38.4 |
| 40° | 1339.2 | 1030.2 | 198.0 | 78.8 | 62.6 | 50.5 | 42.4 | 38.4 | 36.4 | 34.3 | 34.3 |
| 42.5° | 1464.4 | 1064.5 | 129.3 | 70.7 | 56.6 | 46.5 | 38.4 | 34.3 | 32.3 | 30.3 | 30.3 |
| 45° | 1624.0 | 1121.1 | 101.0 | 62.6 | 50.5 | 42.4 | 36.4 | 32.3 | 28.3 | 28.3 | 26.3 |
| 47.5° | 1793.7 | 1189.7 | 90.9 | 58.6 | 46.5 | 38.4 | 32.3 | 28.3 | 26.3 | 24.2 | 24.2 |
| 50° | 1951.2 | 1256.4 | 84.8 | 54.5 | 42.4 | 36.4 | 30.3 | 26.3 | 22.2 | 20.2 | 20.2 |
| 52.5° | 2092.6 | 1319.0 | 80.8 | 50.5 | 40.4 | 32.3 | 26.3 | 22.2 | 20.2 | 18.2 | 18.2 |
| 55° | 2167.4 | 1347.3 | 78.8 | 48.5 | 36.4 | 30.3 | 24.2 | 20.2 | 18.2 | 16.2 | 16.2 |
| 57.5° | 2284.5 | 1383.6 | 76.8 | 46.5 | 34.3 | 26.3 | 22.2 | 18.2 | 16.2 | 14.1 | 14.1 |
| 60° | 2474.4 | 1502.8 | 74.7 | 44.4 | 32.3 | 26.3 | 20.2 | 16.2 | 12.1 | 10.1 | 10.1 |
| 62.5° | 2632.0 | 1601.8 | 66.7 | 38.4 | 28.3 | 22.2 | 16.2 | 12.1 | 8.1 | 6.1 | 6.1 |
| 65° | 2811.7 | 1648.3 | 58.6 | 34.3 | 24.2 | 18.2 | 12.1 | 8.1 | 6.1 | 2.0 | 2.0 |
| 67.5° | 3007.7 | 1719.0 | 48.5 | 30.3 | 22.2 | 14.1 | 10.1 | 6.1 | 2.0 | 0.0 | 0.0 |
| 70° | 2904.7 | 1630.1 | 40.4 | 26.3 | 20.2 | 12.1 | 8.1 | 4.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2276.5 | 1167.5 | 32.3 | 24.2 | 18.2 | 12.1 | 8.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1521.0 | 660.5 | 28.3 | 20.2 | 14.1 | 10.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 826.1 | 296.9 | 24.2 | 18.2 | 12.1 | 8.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 80° | 268.6 | 117.2 | 20.2 | 16.2 | 12.1 | 8.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 72.7 | 36.4 | 20.2 | 16.2 | 12.1 | 8.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 85° | 30.3 | 24.2 | 20.2 | 16.2 | 12.1 | 8.1 | 6.1 | 2.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 12.1 | 8.1 | 8.1 | 10.1 | 8.1 | 6.1 | 4.0 | 2.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 | 616.1 |
| 2.5° | 563.6 | 567.6 | 569.6 | 569.6 | 579.7 | 589.8 | 601.9 | 612.0 | 612.0 | 618.1 | 624.2 |
| 5° | 494.9 | 498.9 | 505.0 | 523.2 | 543.4 | 565.6 | 587.8 | 604.0 | 626.2 | 636.3 | 642.3 |
| 7.5° | 438.3 | 442.4 | 458.5 | 476.7 | 505.0 | 543.4 | 581.7 | 618.1 | 640.3 | 650.4 | 658.5 |
| 10° | 379.7 | 385.8 | 404.0 | 436.3 | 472.7 | 519.1 | 563.6 | 626.2 | 662.5 | 682.7 | 690.8 |
| 12.5° | 294.9 | 311.1 | 335.3 | 369.6 | 416.1 | 486.8 | 569.6 | 634.3 | 696.9 | 721.1 | 737.3 |
| 15° | 185.8 | 200.0 | 238.4 | 292.9 | 355.5 | 438.3 | 553.5 | 646.4 | 733.2 | 757.5 | 783.7 |
| 17.5° | 119.2 | 121.2 | 133.3 | 191.9 | 272.7 | 377.7 | 529.2 | 664.6 | 773.6 | 808.0 | 848.4 |
| 20° | 101.0 | 105.0 | 107.1 | 115.1 | 181.8 | 311.1 | 478.7 | 686.8 | 822.1 | 868.6 | 906.9 |
| 22.5° | 84.8 | 86.9 | 90.9 | 97.0 | 109.1 | 226.2 | 410.0 | 686.8 | 864.5 | 933.2 | 977.6 |
| 25° | 68.7 | 72.7 | 76.8 | 82.8 | 94.9 | 141.4 | 339.3 | 674.7 | 915.0 | 999.9 | 1056.4 |
| 27.5° | 60.6 | 60.6 | 64.6 | 70.7 | 80.8 | 99.0 | 268.6 | 638.3 | 953.4 | 1040.3 | 1115.0 |
| 30° | 52.5 | 54.5 | 56.6 | 62.6 | 72.7 | 86.9 | 185.8 | 579.7 | 993.8 | 1119.0 | 1203.9 |
| 32.5° | 46.5 | 46.5 | 50.5 | 54.5 | 64.6 | 78.8 | 119.2 | 490.8 | 1046.3 | 1179.6 | 1298.8 |
| 35° | 42.4 | 42.4 | 44.4 | 48.5 | 58.6 | 70.7 | 92.9 | 416.1 | 1108.9 | 1294.8 | 1426.1 |
| 37.5° | 38.4 | 38.4 | 40.4 | 44.4 | 52.5 | 62.6 | 84.8 | 357.5 | 1173.6 | 1409.9 | 1601.8 |
| 40° | 34.3 | 34.3 | 36.4 | 40.4 | 46.5 | 56.6 | 76.8 | 288.8 | 1254.4 | 1579.6 | 1793.7 |
| 42.5° | 30.3 | 30.3 | 32.3 | 36.4 | 42.4 | 50.5 | 66.7 | 216.1 | 1361.4 | 1763.4 | 2042.1 |
| 45° | 26.3 | 26.3 | 28.3 | 32.3 | 36.4 | 46.5 | 60.6 | 165.6 | 1478.6 | 1967.4 | 2260.3 |
| 47.5° | 22.2 | 24.2 | 26.3 | 30.3 | 34.3 | 42.4 | 54.5 | 145.4 | 1593.7 | 2183.5 | 2502.7 |
| 50° | 20.2 | 20.2 | 22.2 | 26.3 | 32.3 | 38.4 | 50.5 | 143.4 | 1710.9 | 2349.2 | 2751.1 |
| 52.5° | 18.2 | 18.2 | 20.2 | 24.2 | 30.3 | 36.4 | 48.5 | 147.5 | 1807.8 | 2502.7 | 2924.9 |
| 55° | 16.2 | 16.2 | 18.2 | 20.2 | 26.3 | 34.3 | 44.4 | 151.5 | 1876.5 | 2658.2 | 3064.2 |
| 57.5° | 14.1 | 14.1 | 16.2 | 20.2 | 24.2 | 30.3 | 40.4 | 155.5 | 1987.6 | 2811.7 | 3266.2 |
| 60° | 10.1 | 10.1 | 14.1 | 18.2 | 22.2 | 26.3 | 38.4 | 159.6 | 2165.4 | 3023.8 | 3437.9 |
| 62.5° | 6.1 | 6.1 | 8.1 | 14.1 | 18.2 | 24.2 | 34.3 | 151.5 | 2331.0 | 3296.5 | 3700.5 |
| 65° | 2.0 | 4.0 | 6.1 | 8.1 | 14.1 | 20.2 | 28.3 | 137.4 | 2470.4 | 3569.2 | 3942.9 |
| 67.5° | 0.0 | 0.0 | 2.0 | 6.1 | 12.1 | 16.2 | 24.2 | 101.0 | 2492.6 | 3692.4 | 4191.3 |
| 70° | 0.0 | 0.0 | 2.0 | 6.1 | 10.1 | 16.2 | 22.2 | 56.6 | 2122.9 | 3298.5 | 3841.9 |
| 72.5° | 0.0 | 0.0 | 0.0 | 4.0 | 10.1 | 14.1 | 20.2 | 42.4 | 1565.4 | 2486.5 | 3035.9 |
| 75° | 0.0 | 0.0 | 0.0 | 2.0 | 8.1 | 12.1 | 18.2 | 32.3 | 951.4 | 1658.4 | 1981.5 |
| 77.5° | 0.0 | 0.0 | 0.0 | 2.0 | 6.1 | 12.1 | 18.2 | 28.3 | 335.3 | 789.8 | 931.2 |
| 80° | 0.0 | 0.0 | 0.0 | 4.0 | 8.1 | 12.1 | 16.2 | 24.2 | 80.8 | 198.0 | 266.6 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.0 | 6.1 | 10.1 | 14.1 | 20.2 | 32.3 | 58.6 | 92.9 |
| 85° | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 10.1 | 14.1 | 18.2 | 22.2 | 28.3 | 40.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 6.1 | 8.1 | 8.1 | 8.1 | 14.1 |
| 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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| 35° | 1452.3 | 1333.1 | 1135.2 | 1052.4 | 1070.6 | 1106.9 | 1137.2 | 1161.5 | 1133.2 | 1145.3 |
| 37.5° | 1638.2 | 1482.6 | 1268.5 | 1195.8 | 1203.9 | 1218.0 | 1274.6 | 1341.2 | 1355.4 | 1331.1 |
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| 45° | 2333.0 | 2015.9 | 1759.4 | 1676.5 | 1743.2 | 1791.7 | 1880.5 | 1886.6 | 1848.2 | 1836.1 |
| 47.5° | 2545.1 | 2197.7 | 1951.2 | 1898.7 | 1989.6 | 1991.6 | 2011.8 | 2013.9 | 1971.4 | 1957.3 |
| 50° | 2779.4 | 2407.7 | 2165.4 | 2088.6 | 2242.1 | 2171.4 | 2116.9 | 2080.5 | 2015.9 | 1985.6 |
| 52.5° | 3009.7 | 2557.2 | 2363.3 | 2284.5 | 2444.1 | 2256.3 | 2157.3 | 2046.2 | 1951.2 | 1918.9 |
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| 60° | 3450.0 | 3231.9 | 3155.1 | 2573.4 | 2149.2 | 1773.5 | 1403.8 | 1167.5 | 1003.9 | 989.8 |
| 62.5° | 3641.9 | 3542.9 | 3314.7 | 2375.4 | 1706.8 | 1248.3 | 927.1 | 729.2 | 577.7 | 569.6 |
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| 70° | 3866.1 | 3581.3 | 2539.0 | 816.0 | 363.6 | 402.0 | 333.3 | 230.3 | 181.8 | 177.8 |
| 72.5° | 3088.5 | 2658.2 | 1708.9 | 383.8 | 226.2 | 315.1 | 242.4 | 155.5 | 109.1 | 105.0 |
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| 80° | 286.8 | 301.0 | 224.2 | 74.7 | 88.9 | 133.3 | 62.6 | 42.4 | 34.3 | 32.3 |
| 82.5° | 97.0 | 113.1 | 101.0 | 44.4 | 60.6 | 94.9 | 42.4 | 28.3 | 24.2 | 24.2 |
| 85° | 46.5 | 56.6 | 50.5 | 28.3 | 32.3 | 46.5 | 34.3 | 22.2 | 14.1 | 14.1 |
| 87.5° | 18.2 | 26.3 | 18.2 | 12.1 | 18.2 | 24.2 | 14.1 | 10.1 | 4.0 | 4.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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