

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:

Luminaire Tested: **ENC-SA1E-740-U-T4W-ULG**

Issue Date: 3/30/2022

**Test Information**

Test Method: LM-79-08  
Report Number: REPORT IS A COMBINATION OF REPORTS P401700 AND P226775  
Test Lab: INNOVATION CENTER  
Issue Date: 3/30/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-SA1E-740-U-T4W-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

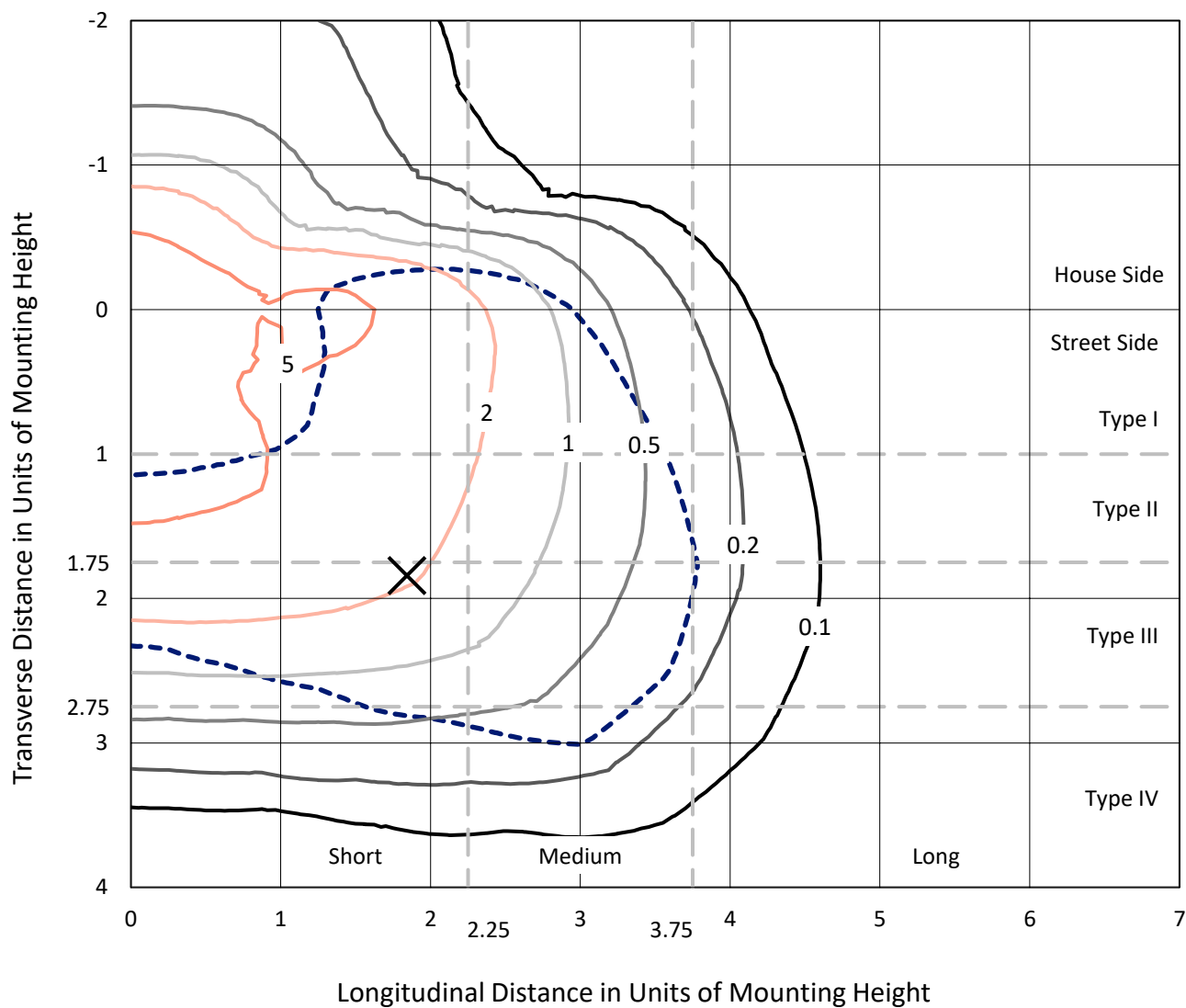
Lumens per Lamp: N/A  
Luminaire Lumens: 8808 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U5 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (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:  
 CATALOG NUMBER: ENC-SA1E-740-U-T4W-ULG

## Iso-Footcandle Lines of Horizontal Illumination

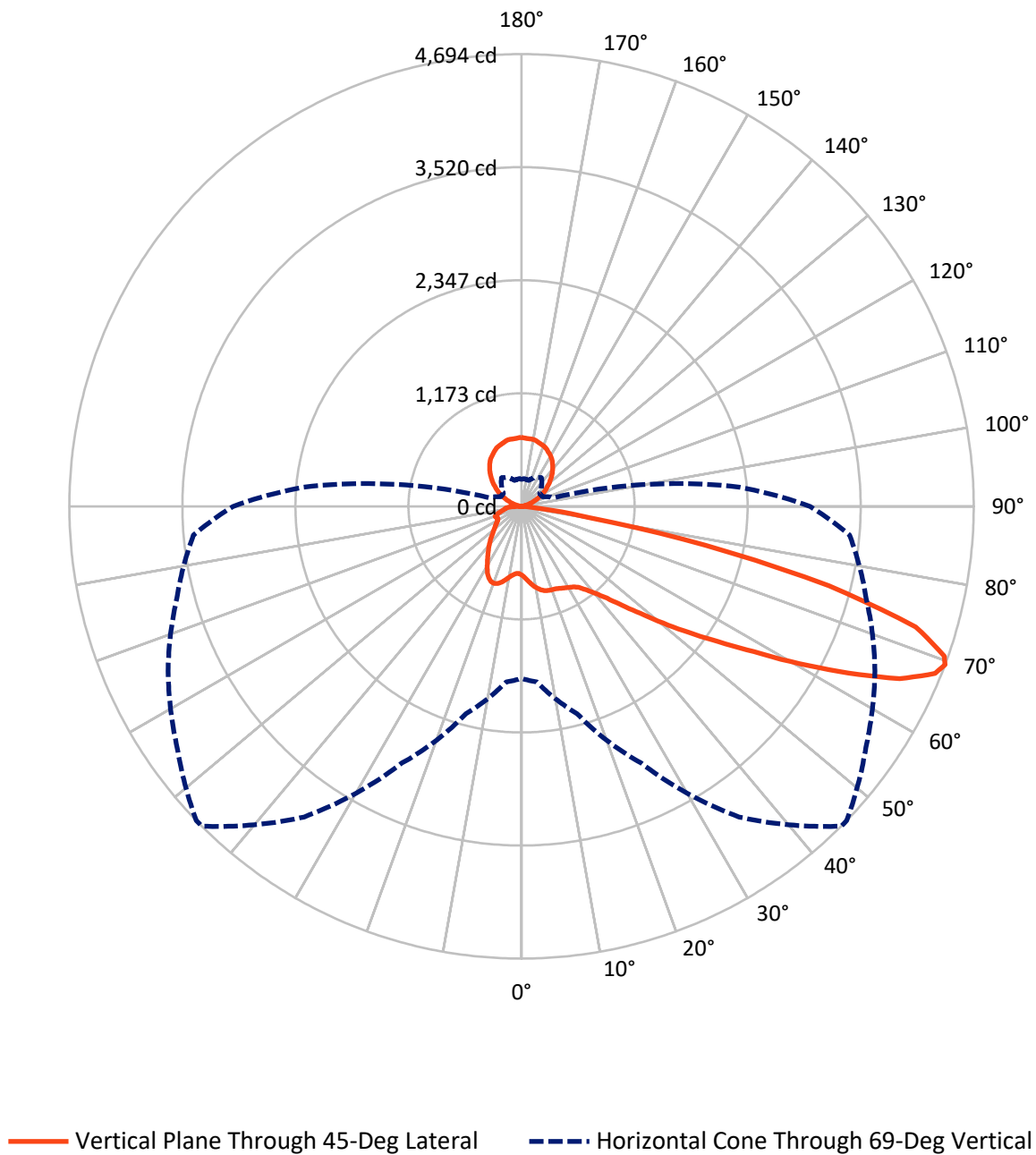
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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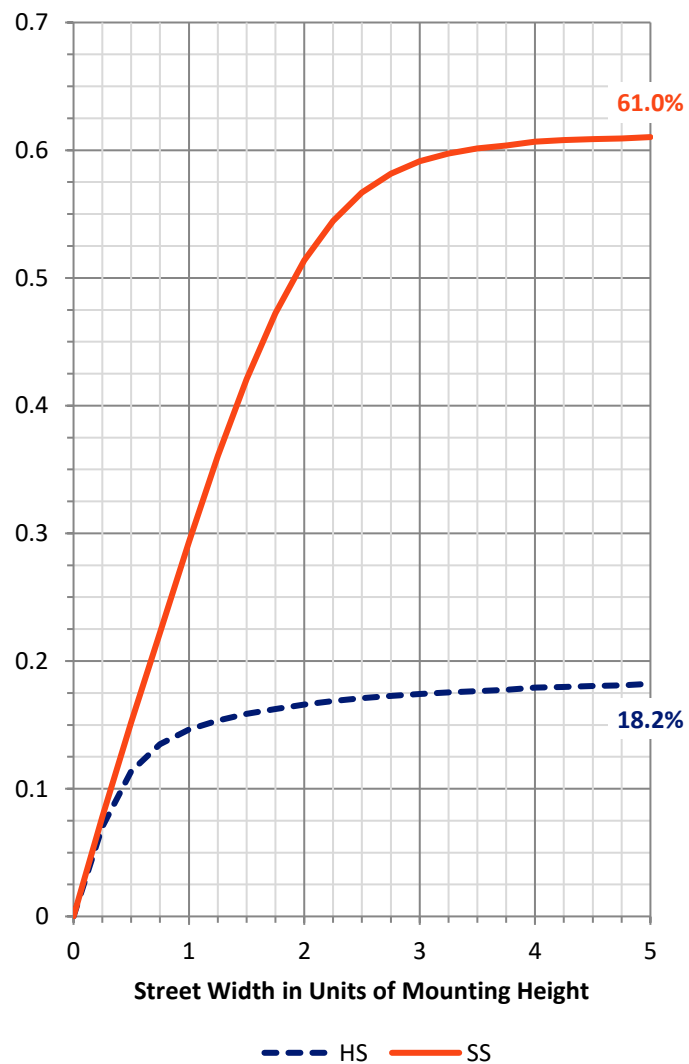
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1656.1   | 887.0  | 2543.1 |
|                    | % Fixture | 18.8     | 10.1   | 28.9   |
| <b>Street Side</b> | Lumens    | 5378.0   | 887.0  | 6264.9 |
|                    | % Fixture | 61.1     | 10.1   | 71.1   |
| <b>Total</b>       | Lumens    | 7034.1   | 1773.9 | 8808.0 |
|                    | % Fixture | 79.9     | 20.1   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.7   | 0.8       |
| 10°-20°   | 241.1  | 2.7       |
| 20°-30°   | 407.4  | 4.6       |
| 30°-40°   | 589.4  | 6.7       |
| 40°-50°   | 889.9  | 10.1      |
| 50°-60°   | 1500.6 | 17.0      |
| 60°-70°   | 2064.4 | 23.4      |
| 70°-80°   | 1144.0 | 13.0      |
| 80°-90°   | 124.5  | 1.4       |
| 90°-100°  | 8.4    | 0.1       |
| 100°-110° | 58.7   | 0.7       |
| 110°-120° | 169.9  | 1.9       |
| 120°-130° | 279.4  | 3.2       |
| 130°-140° | 344.6  | 3.9       |
| 140°-150° | 352.5  | 4.0       |
| 150°-160° | 297.0  | 3.4       |
| 160°-170° | 195.5  | 2.2       |
| 170°-180° | 67.8   | 0.8       |
| 0°-90°    | 7034.1 | 79.9      |
| 0°-180°   | 8808.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER:

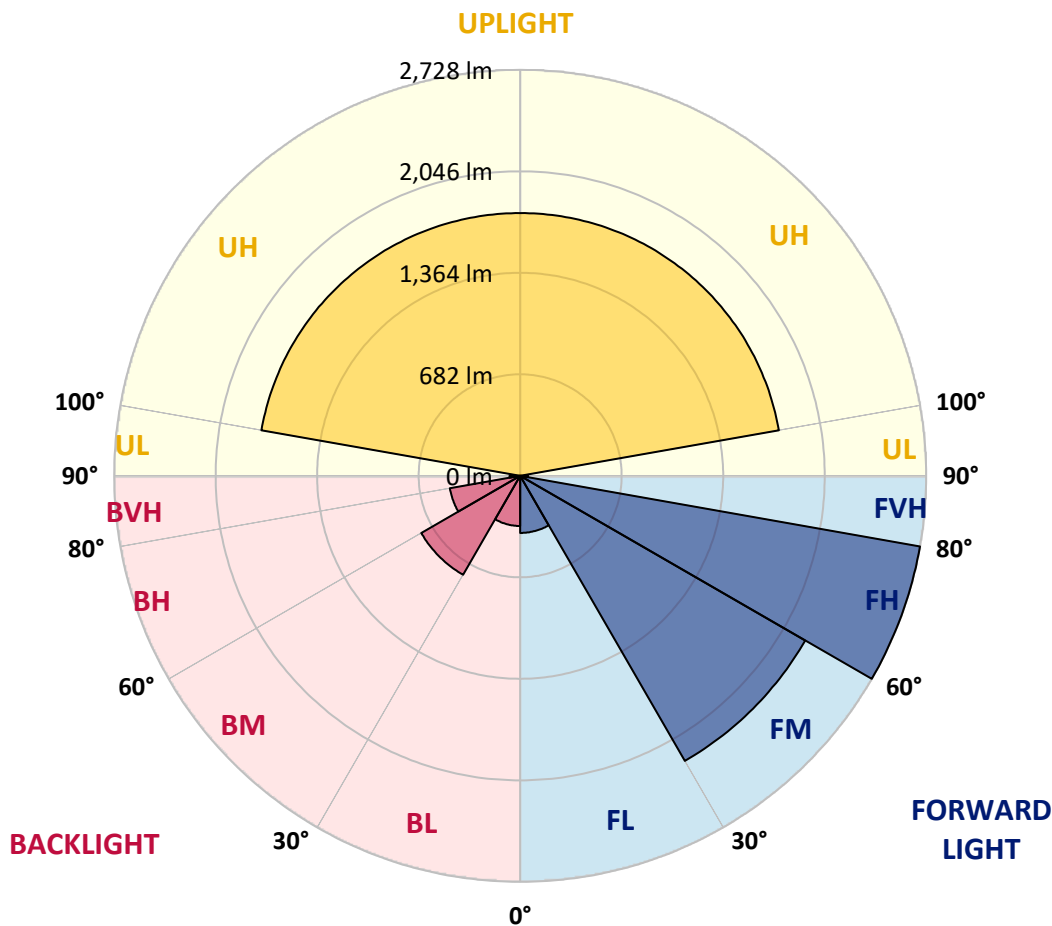
CATALOG NUMBER: ENC-SA1E-740-U-T4W-ULG

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 383.9  | 4.4       |                         |       |         |
| FM   | (30°-60°)   | 2212.3 | 25.1      |                         |       |         |
| FH   | (60°-80°)   | 2728.4 | 31.0      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 53.3   | 0.6       |                         |       | G1/100  |
| BL   | (0°-30°)    | 337.2  | 3.8       | B1/500                  |       |         |
| BM   | (30°-60°)   | 767.7  | 8.7       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 480.0  | 5.4       | B1/500                  |       | G1/500  |
| BVH  | (80°-90°)   | 71.2   | 0.8       |                         |       | G1/100  |
| UL   | (90°-100°)  | 8.4    | 0.1       |                         | U1/10 |         |
| UH   | (100°-180°) | 1765.5 | 20.0      |                         | U5    |         |

**BUG Rating: B1-U5-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  | 714.0  |
| 2.5°   | 759.0  | 758.0  | 759.0  | 755.0  | 751.0  | 745.0  | 743.0  | 736.0  | 731.0  | 724.0  | 718.0  |
| 5°     | 815.0  | 818.0  | 817.0  | 812.0  | 796.0  | 784.0  | 784.0  | 769.0  | 753.0  | 738.0  | 724.0  |
| 7.5°   | 876.0  | 876.0  | 870.0  | 860.0  | 844.0  | 826.0  | 824.0  | 804.0  | 781.0  | 760.0  | 738.0  |
| 10°    | 920.0  | 922.0  | 913.0  | 899.0  | 879.0  | 860.0  | 858.0  | 835.0  | 813.0  | 786.0  | 759.0  |
| 12.5°  | 951.0  | 951.0  | 943.0  | 930.0  | 906.0  | 888.0  | 886.0  | 865.0  | 842.0  | 814.0  | 783.0  |
| 15°    | 967.0  | 965.0  | 958.0  | 944.0  | 923.0  | 908.0  | 905.0  | 887.0  | 868.0  | 840.0  | 807.0  |
| 17.5°  | 964.0  | 964.0  | 958.0  | 944.0  | 929.0  | 917.0  | 915.0  | 902.0  | 888.0  | 861.0  | 828.0  |
| 20°    | 951.0  | 950.0  | 948.0  | 937.0  | 927.0  | 922.0  | 920.0  | 914.0  | 905.0  | 882.0  | 851.0  |
| 22.5°  | 939.0  | 938.0  | 935.0  | 928.0  | 924.0  | 927.0  | 927.0  | 926.0  | 925.0  | 907.0  | 877.0  |
| 25°    | 946.0  | 945.0  | 939.0  | 929.0  | 928.0  | 942.0  | 943.0  | 946.0  | 948.0  | 933.0  | 902.0  |
| 27.5°  | 995.0  | 992.0  | 975.0  | 949.0  | 940.0  | 958.0  | 960.0  | 969.0  | 967.0  | 951.0  | 924.0  |
| 30°    | 1091.0 | 1092.0 | 1054.0 | 998.0  | 968.0  | 976.0  | 977.0  | 987.0  | 984.0  | 971.0  | 949.0  |
| 32.5°  | 1235.9 | 1235.9 | 1173.9 | 1089.0 | 1013.0 | 997.0  | 994.0  | 1003.0 | 1015.0 | 998.0  | 976.0  |
| 35°    | 1419.9 | 1414.9 | 1339.9 | 1208.9 | 1090.0 | 1033.0 | 1031.0 | 1027.0 | 1048.0 | 1032.0 | 1000.0 |
| 37.5°  | 1604.9 | 1586.9 | 1513.9 | 1369.9 | 1197.9 | 1102.9 | 1095.0 | 1083.0 | 1095.0 | 1061.0 | 1033.0 |
| 40°    | 1753.9 | 1750.9 | 1690.9 | 1544.9 | 1325.9 | 1187.9 | 1181.9 | 1128.9 | 1136.9 | 1109.9 | 1098.9 |
| 42.5°  | 1917.9 | 1919.9 | 1879.9 | 1732.9 | 1478.9 | 1302.9 | 1286.9 | 1204.9 | 1227.9 | 1217.9 | 1212.9 |
| 45°    | 2097.9 | 2095.9 | 2065.9 | 1911.9 | 1665.9 | 1462.9 | 1442.9 | 1341.9 | 1388.9 | 1382.9 | 1410.9 |
| 47.5°  | 2235.9 | 2246.9 | 2229.9 | 2120.9 | 1887.9 | 1656.9 | 1641.9 | 1518.9 | 1589.9 | 1637.9 | 1690.9 |
| 50°    | 2423.9 | 2422.9 | 2376.9 | 2331.9 | 2145.9 | 1904.9 | 1889.9 | 1752.9 | 1854.9 | 1924.9 | 2021.9 |
| 52.5°  | 2656.9 | 2648.9 | 2553.9 | 2537.9 | 2459.9 | 2175.9 | 2162.9 | 2019.9 | 2165.9 | 2226.9 | 2423.9 |
| 55°    | 2802.9 | 2801.9 | 2752.9 | 2780.9 | 2782.9 | 2477.9 | 2461.9 | 2334.9 | 2499.9 | 2569.9 | 2867.9 |
| 57.5°  | 2924.9 | 2925.9 | 2966.9 | 3064.9 | 3130.9 | 2844.9 | 2838.9 | 2683.9 | 2850.9 | 2948.9 | 3300.8 |
| 60°    | 3018.9 | 3038.9 | 3153.9 | 3377.8 | 3487.8 | 3312.8 | 3286.9 | 3122.9 | 3234.9 | 3273.9 | 3631.8 |
| 62.5°  | 2980.9 | 3006.9 | 3232.9 | 3562.8 | 3845.8 | 3808.8 | 3799.8 | 3562.8 | 3561.8 | 3541.8 | 3878.8 |
| 65°    | 2680.9 | 2736.9 | 3092.9 | 3555.8 | 4081.8 | 4312.8 | 4299.8 | 3977.8 | 3865.8 | 3765.8 | 3952.8 |
| 67.5°  | 2193.9 | 2205.9 | 2634.9 | 3283.9 | 4079.8 | 4629.8 | 4615.8 | 4279.8 | 4054.8 | 3809.8 | 3735.8 |
| 69°    | 1785.9 | 1829.9 | 2226.9 | 2939.9 | 3935.8 | 4693.8 | 4693.8 | 4363.8 | 4047.8 | 3704.8 | 3417.8 |
| 70°    | 1544.9 | 1546.9 | 1929.9 | 2665.9 | 3739.8 | 4655.8 | 4664.8 | 4363.8 | 3990.8 | 3567.8 | 3135.9 |
| 72.5°  | 724.0  | 769.0  | 1011.0 | 1739.9 | 3020.9 | 4279.8 | 4301.8 | 4075.8 | 3659.8 | 3073.9 | 2352.9 |
| 75°    | 217.0  | 225.0  | 337.0  | 825.0  | 1730.9 | 3296.8 | 3345.8 | 3390.8 | 2980.9 | 2262.9 | 1448.9 |
| 77.5°  | 129.0  | 128.0  | 163.0  | 280.0  | 801.0  | 1954.9 | 1976.9 | 2168.9 | 1933.9 | 1257.9 | 658.0  |
| 80°    | 63.0   | 65.0   | 87.0   | 136.0  | 300.0  | 710.0  | 781.0  | 1014.0 | 857.0  | 492.0  | 241.0  |
| 82.5°  | 21.0   | 23.0   | 36.0   | 55.0   | 127.0  | 229.0  | 253.0  | 318.0  | 274.0  | 179.0  | 103.0  |
| 85°    | 0.0    | 0.0    | 1.0    | 2.0    | 7.0    | 17.0   | 17.0   | 38.0   | 57.0   | 63.0   | 34.0   |
| 87.5°  | 0.0    | 0.0    | 1.0    | 1.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 2.0    | 3.0    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 4.1    | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 6.2    | 7.2    | 7.2    | 6.1    | 6.1    |
| 95°    | 5.1    | 5.1    | 6.1    | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 8.2    | 7.2    | 7.2    |
| 97.5°  | 7.2    | 7.2    | 8.2    | 8.2    | 9.2    | 9.2    | 9.5    | 12.3   | 10.2   | 9.2    | 8.2    |
| 100°   | 8.2    | 8.2    | 9.2    | 10.2   | 12.3   | 21.5   | 22.3   | 29.7   | 26.6   | 23.5   | 19.4   |
| 102.5° | 11.3   | 11.3   | 13.3   | 18.4   | 27.6   | 40.9   | 41.9   | 51.1   | 48.1   | 43.0   | 39.9   |
| 105°   | 21.5   | 22.5   | 27.6   | 36.8   | 49.1   | 64.4   | 65.3   | 73.7   | 71.6   | 66.5   | 62.4   |
| 107.5° | 41.9   | 43.0   | 50.1   | 59.3   | 74.7   | 90.0   | 90.7   | 97.2   | 96.2   | 92.1   | 89.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 46°   | 55°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 67.5  | 69.6  | 75.7  | 89.0  | 104.3 | 116.6 | 117.2 | 122.8 | 123.8 | 121.7 | 118.7 |
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 137.1 | 146.3 | 146.8 | 151.4 | 153.4 | 152.4 | 150.4 |
| 115°   | 143.2 | 142.2 | 150.4 | 162.6 | 171.9 | 178.0 | 178.5 | 183.1 | 186.2 | 183.1 | 181.1 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.6 | 209.7 | 210.3 | 215.8 | 219.9 | 214.8 | 212.8 |
| 120°   | 230.2 | 228.1 | 231.2 | 238.3 | 242.4 | 248.6 | 248.9 | 251.6 | 255.7 | 250.6 | 248.6 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 277.2 | 283.4 | 283.6 | 285.4 | 289.5 | 284.4 | 282.3 |
| 125°   | 304.8 | 300.7 | 302.8 | 305.9 | 312.0 | 317.1 | 317.4 | 320.2 | 322.2 | 317.1 | 317.1 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.8 | 347.8 | 348.3 | 352.9 | 353.9 | 353.9 | 352.9 |
| 130°   | 371.3 | 369.3 | 370.3 | 374.4 | 378.5 | 380.5 | 381.0 | 385.7 | 389.7 | 389.7 | 387.7 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.3 | 414.3 | 414.9 | 420.4 | 425.5 | 423.5 | 423.5 |
| 135°   | 438.8 | 435.8 | 435.8 | 441.9 | 445.0 | 447.0 | 447.6 | 453.2 | 458.3 | 457.3 | 460.3 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.6 | 478.7 | 479.2 | 483.9 | 485.9 | 486.9 | 492.0 |
| 140°   | 499.2 | 496.1 | 498.2 | 500.2 | 502.3 | 508.4 | 508.7 | 511.5 | 513.5 | 515.6 | 520.7 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 533.0 | 537.0 | 537.2 | 539.1 | 545.2 | 545.2 | 546.3 |
| 145°   | 562.6 | 558.5 | 556.5 | 559.6 | 562.6 | 563.6 | 564.1 | 568.8 | 574.9 | 573.9 | 570.8 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 588.2 | 588.7 | 593.3 | 598.4 | 599.4 | 596.4 |
| 150°   | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 607.0 | 610.7 | 613.8 | 616.8 | 619.9 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 624.0 | 624.0 | 624.1 | 625.0 | 628.1 | 632.2 | 637.3 |
| 155°   | 643.4 | 639.3 | 639.3 | 641.4 | 644.5 | 642.4 | 642.2 | 640.4 | 645.5 | 650.6 | 652.6 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.8 | 659.8 | 659.7 | 658.8 | 662.9 | 664.9 | 664.9 |
| 160°   | 678.2 | 675.1 | 674.1 | 671.1 | 670.0 | 670.0 | 670.3 | 673.1 | 679.2 | 676.2 | 675.1 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.2 | 678.2 | 678.6 | 682.3 | 686.4 | 685.4 | 683.3 |
| 165°   | 696.6 | 693.6 | 691.5 | 691.5 | 688.4 | 688.4 | 688.3 | 687.4 | 692.5 | 695.6 | 693.6 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.8 | 700.7 | 700.0 | 693.6 | 699.7 | 703.8 | 703.8 |
| 170°   | 714.0 | 711.0 | 707.9 | 707.9 | 708.9 | 706.9 | 706.4 | 701.7 | 704.8 | 709.9 | 712.0 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 705.8 | 705.8 | 705.7 | 704.8 | 707.9 | 709.9 | 712.0 |
| 175°   | 716.1 | 714.0 | 713.0 | 711.0 | 706.9 | 705.8 | 705.8 | 705.8 | 711.0 | 712.0 | 709.9 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.0 | 711.0 | 710.9 | 709.9 | 715.0 | 717.1 | 714.0 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 714.0  | 714.0  | 714.0  | 714.0 | 714.0 | 714.0 | 714.0 | 714.0 | 714.0 | 714.0 | 714.0 |
| 2.5°   | 715.0  | 713.0  | 709.0  | 705.0 | 703.0 | 698.0 | 699.0 | 697.0 | 696.0 | 696.0 | 697.0 |
| 5°     | 717.0  | 714.0  | 708.0  | 704.0 | 700.0 | 698.0 | 703.0 | 705.0 | 707.0 | 707.0 | 708.0 |
| 7.5°   | 729.0  | 723.0  | 716.0  | 711.0 | 712.0 | 715.0 | 723.0 | 729.0 | 732.0 | 734.0 | 736.0 |
| 10°    | 749.0  | 742.0  | 732.0  | 731.0 | 733.0 | 741.0 | 752.0 | 761.0 | 769.0 | 774.0 | 774.0 |
| 12.5°  | 770.0  | 761.0  | 753.0  | 755.0 | 764.0 | 776.0 | 787.0 | 797.0 | 804.0 | 809.0 | 810.0 |
| 15°    | 793.0  | 784.0  | 776.0  | 781.0 | 796.0 | 810.0 | 820.0 | 824.0 | 827.0 | 832.0 | 833.0 |
| 17.5°  | 814.0  | 806.0  | 799.0  | 812.0 | 825.0 | 836.0 | 839.0 | 837.0 | 833.0 | 836.0 | 838.0 |
| 20°    | 836.0  | 829.0  | 825.0  | 839.0 | 848.0 | 849.0 | 841.0 | 832.0 | 822.0 | 822.0 | 823.0 |
| 22.5°  | 863.0  | 854.0  | 852.0  | 859.0 | 856.0 | 844.0 | 824.0 | 810.0 | 796.0 | 794.0 | 797.0 |
| 25°    | 889.0  | 880.0  | 879.0  | 874.0 | 848.0 | 817.0 | 790.0 | 774.0 | 763.0 | 764.0 | 770.0 |
| 27.5°  | 915.0  | 909.0  | 910.0  | 883.0 | 825.0 | 778.0 | 742.0 | 729.0 | 732.0 | 734.0 | 740.0 |
| 30°    | 941.0  | 941.0  | 945.0  | 883.0 | 793.0 | 723.0 | 689.0 | 688.0 | 696.0 | 702.0 | 709.0 |
| 32.5°  | 971.0  | 980.0  | 973.0  | 872.0 | 750.0 | 667.0 | 640.0 | 642.0 | 651.0 | 661.0 | 667.0 |
| 35°    | 1000.0 | 1021.0 | 1001.0 | 847.0 | 691.0 | 616.0 | 594.0 | 591.0 | 598.0 | 607.0 | 610.0 |
| 37.5°  | 1046.0 | 1080.0 | 1025.0 | 808.0 | 630.0 | 571.0 | 549.0 | 541.0 | 534.0 | 541.0 | 540.0 |
| 40°    | 1125.9 | 1166.9 | 1043.0 | 743.0 | 571.0 | 529.0 | 506.0 | 491.0 | 474.0 | 459.0 | 459.0 |
| 42.5°  | 1253.9 | 1280.9 | 1053.0 | 664.0 | 512.0 | 487.0 | 464.0 | 442.0 | 416.0 | 389.0 | 389.0 |
| 45°    | 1462.9 | 1468.9 | 1057.0 | 580.0 | 458.0 | 445.0 | 421.0 | 400.0 | 366.0 | 339.0 | 333.0 |
| 47.5°  | 1741.9 | 1715.9 | 1067.0 | 499.0 | 411.0 | 408.0 | 388.0 | 364.0 | 327.0 | 302.0 | 299.0 |
| 50°    | 2116.9 | 2004.9 | 1110.9 | 434.0 | 373.0 | 376.0 | 361.0 | 333.0 | 298.0 | 280.0 | 276.0 |
| 52.5°  | 2538.9 | 2369.9 | 1144.9 | 382.0 | 340.0 | 349.0 | 338.0 | 311.0 | 281.0 | 266.0 | 263.0 |
| 55°    | 2999.9 | 2720.9 | 1136.9 | 347.0 | 315.0 | 325.0 | 321.0 | 298.0 | 271.0 | 258.0 | 255.0 |
| 57.5°  | 3375.8 | 2967.9 | 1067.0 | 316.0 | 290.0 | 304.0 | 308.0 | 290.0 | 265.0 | 253.0 | 250.0 |
| 60°    | 3657.8 | 3102.9 | 923.0  | 290.0 | 270.0 | 287.0 | 298.0 | 285.0 | 264.0 | 257.0 | 254.0 |
| 62.5°  | 3785.8 | 3090.9 | 736.0  | 270.0 | 255.0 | 275.0 | 299.0 | 293.0 | 279.0 | 284.0 | 285.0 |
| 65°    | 3713.8 | 2939.9 | 552.0  | 255.0 | 246.0 | 277.0 | 316.0 | 316.0 | 295.0 | 304.0 | 305.0 |
| 67.5°  | 3344.8 | 2544.9 | 402.0  | 244.0 | 237.0 | 287.0 | 348.0 | 328.0 | 288.0 | 295.0 | 292.0 |
| 69°    | 2993.9 | 2276.9 | 345.0  | 238.0 | 230.0 | 292.0 | 362.0 | 330.0 | 280.0 | 288.0 | 280.0 |
| 70°    | 2735.9 | 2034.9 | 310.0  | 233.0 | 227.0 | 292.0 | 366.0 | 328.0 | 276.0 | 282.0 | 273.0 |
| 72.5°  | 1946.9 | 1412.9 | 255.0  | 223.0 | 216.0 | 270.0 | 359.0 | 317.0 | 265.0 | 258.0 | 241.0 |
| 75°    | 1131.9 | 781.0  | 217.0  | 212.0 | 191.0 | 237.0 | 341.0 | 305.0 | 254.0 | 241.0 | 229.0 |
| 77.5°  | 475.0  | 349.0  | 185.0  | 193.0 | 169.0 | 211.0 | 319.0 | 293.0 | 241.0 | 223.0 | 217.0 |
| 80°    | 193.0  | 174.0  | 154.0  | 167.0 | 147.0 | 186.0 | 294.0 | 273.0 | 222.0 | 204.0 | 195.0 |
| 82.5°  | 101.0  | 96.0   | 118.0  | 135.0 | 122.0 | 171.0 | 277.0 | 259.0 | 206.0 | 188.0 | 177.0 |
| 85°    | 30.0   | 40.0   | 67.0   | 92.0  | 93.0  | 154.0 | 269.0 | 240.0 | 179.0 | 155.0 | 153.0 |
| 87.5°  | 2.0    | 8.0    | 23.0   | 48.0  | 61.0  | 118.0 | 218.0 | 197.0 | 145.0 | 122.0 | 123.0 |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 6.1    | 6.1    | 6.1    | 7.2   | 7.2   | 6.1   | 6.1   | 6.1   | 5.1   | 4.1   | 4.1   |
| 95°    | 7.2    | 7.2    | 7.2    | 8.2   | 7.2   | 7.2   | 7.2   | 7.2   | 6.1   | 5.1   | 5.1   |
| 97.5°  | 8.2    | 8.2    | 9.2    | 10.2  | 12.3  | 9.2   | 9.2   | 8.2   | 8.2   | 7.2   | 7.2   |
| 100°   | 19.4   | 19.4   | 23.5   | 26.6  | 29.7  | 21.5  | 12.3  | 10.2  | 9.2   | 8.2   | 8.2   |
| 102.5° | 38.9   | 39.9   | 43.0   | 48.1  | 51.1  | 40.9  | 27.6  | 18.4  | 13.3  | 11.3  | 11.3  |
| 105°   | 62.4   | 62.4   | 66.5   | 71.6  | 73.7  | 64.4  | 49.1  | 36.8  | 27.6  | 22.5  | 21.5  |
| 107.5° | 88.0   | 89.0   | 92.1   | 96.2  | 97.2  | 90.0  | 74.7  | 59.3  | 50.1  | 43.0  | 41.9  |

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**CANDELA DISTRIBUTION (continued):**

|        | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 119.7 | 118.7 | 121.7 | 123.8 | 122.8 | 116.6 | 104.3 | 89.0  | 75.7  | 69.6  | 67.5  |
| 112.5° | 150.4 | 150.4 | 152.4 | 153.4 | 151.4 | 146.3 | 137.1 | 123.8 | 108.4 | 101.3 | 101.3 |
| 115°   | 182.1 | 181.1 | 183.1 | 186.2 | 183.1 | 178.0 | 171.9 | 162.6 | 150.4 | 142.2 | 143.2 |
| 117.5° | 213.8 | 212.8 | 214.8 | 219.9 | 215.8 | 209.7 | 206.6 | 201.5 | 193.3 | 188.2 | 188.2 |
| 120°   | 248.6 | 248.6 | 250.6 | 255.7 | 251.6 | 248.6 | 242.4 | 238.3 | 231.2 | 228.1 | 230.2 |
| 122.5° | 283.4 | 282.3 | 284.4 | 289.5 | 285.4 | 283.4 | 277.2 | 273.1 | 267.0 | 266.0 | 269.0 |
| 125°   | 317.1 | 317.1 | 317.1 | 322.2 | 320.2 | 317.1 | 312.0 | 305.9 | 302.8 | 300.7 | 304.8 |
| 127.5° | 355.0 | 352.9 | 353.9 | 353.9 | 352.9 | 347.8 | 346.8 | 340.6 | 336.6 | 336.6 | 337.6 |
| 130°   | 388.7 | 387.7 | 389.7 | 389.7 | 385.7 | 380.5 | 378.5 | 374.4 | 370.3 | 369.3 | 371.3 |
| 132.5° | 424.5 | 423.5 | 423.5 | 425.5 | 420.4 | 414.3 | 413.3 | 410.2 | 402.0 | 403.0 | 405.1 |
| 135°   | 461.4 | 460.3 | 457.3 | 458.3 | 453.2 | 447.0 | 445.0 | 441.9 | 435.8 | 435.8 | 438.8 |
| 137.5° | 493.1 | 492.0 | 486.9 | 485.9 | 483.9 | 478.7 | 474.6 | 470.6 | 469.5 | 467.5 | 470.6 |
| 140°   | 522.7 | 520.7 | 515.6 | 513.5 | 511.5 | 508.4 | 502.3 | 500.2 | 498.2 | 496.1 | 499.2 |
| 142.5° | 548.3 | 546.3 | 545.2 | 545.2 | 539.1 | 537.0 | 533.0 | 529.9 | 528.9 | 526.8 | 529.9 |
| 145°   | 572.9 | 570.8 | 573.9 | 574.9 | 568.8 | 563.6 | 562.6 | 559.6 | 556.5 | 558.5 | 562.6 |
| 147.5° | 598.4 | 596.4 | 599.4 | 598.4 | 593.3 | 588.2 | 587.2 | 587.2 | 584.1 | 585.1 | 588.2 |
| 150°   | 624.0 | 619.9 | 616.8 | 613.8 | 610.7 | 606.6 | 606.6 | 606.6 | 606.6 | 605.6 | 608.7 |
| 152.5° | 642.4 | 637.3 | 632.2 | 628.1 | 625.0 | 624.0 | 624.0 | 623.0 | 622.0 | 622.0 | 625.0 |
| 155°   | 655.7 | 652.6 | 650.6 | 645.5 | 640.4 | 642.4 | 644.5 | 641.4 | 639.3 | 639.3 | 643.4 |
| 157.5° | 670.0 | 664.9 | 664.9 | 662.9 | 658.8 | 659.8 | 660.8 | 658.8 | 657.8 | 657.8 | 660.8 |
| 160°   | 681.3 | 675.1 | 676.2 | 679.2 | 673.1 | 670.0 | 670.0 | 671.1 | 674.1 | 675.1 | 678.2 |
| 162.5° | 689.5 | 683.3 | 685.4 | 686.4 | 682.3 | 678.2 | 676.2 | 680.3 | 684.4 | 684.4 | 688.4 |
| 165°   | 697.7 | 693.6 | 695.6 | 692.5 | 687.4 | 688.4 | 688.4 | 691.5 | 691.5 | 693.6 | 696.6 |
| 167.5° | 709.9 | 703.8 | 703.8 | 699.7 | 693.6 | 700.7 | 703.8 | 701.7 | 699.7 | 702.8 | 705.8 |
| 170°   | 717.1 | 712.0 | 709.9 | 704.8 | 701.7 | 706.9 | 708.9 | 707.9 | 707.9 | 711.0 | 714.0 |
| 172.5° | 717.1 | 712.0 | 709.9 | 707.9 | 704.8 | 705.8 | 705.8 | 708.9 | 711.0 | 713.0 | 715.0 |
| 175°   | 715.0 | 709.9 | 712.0 | 711.0 | 705.8 | 705.8 | 706.9 | 711.0 | 713.0 | 714.0 | 716.1 |
| 177.5° | 718.1 | 714.0 | 717.1 | 715.0 | 709.9 | 711.0 | 713.0 | 715.0 | 716.1 | 721.2 | 723.2 |
| 180°   | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 | 716.1 |

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