

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-T4FT-HSS-ULG**

Issue Date: 3/30/2022

**Test Information**

Test Method: LM-79-08  
Report Number: REPORT IS A COMBINATION OF REPORTS P401694 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-T4FT-HSS-ULG  
Description: ENTRI LED LUMINAIRE WITH UPLIGHT  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

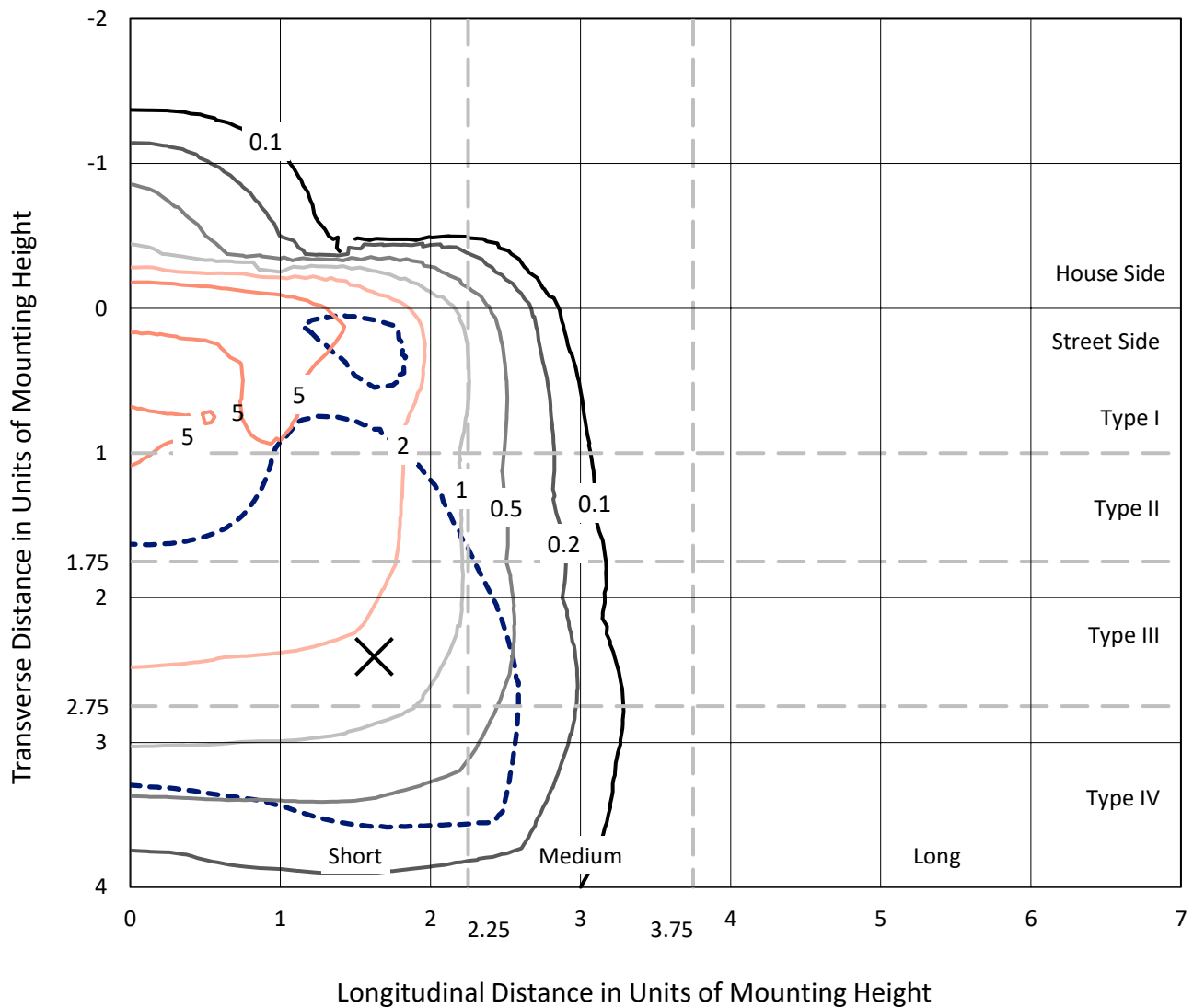
Lumens per Lamp: N/A  
Luminaire Lumens: 6755.9 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 0.1')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U5 - G2  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (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-T4FT-HSS-ULG

## Iso-Footcandle Lines of Horizontal Illumination

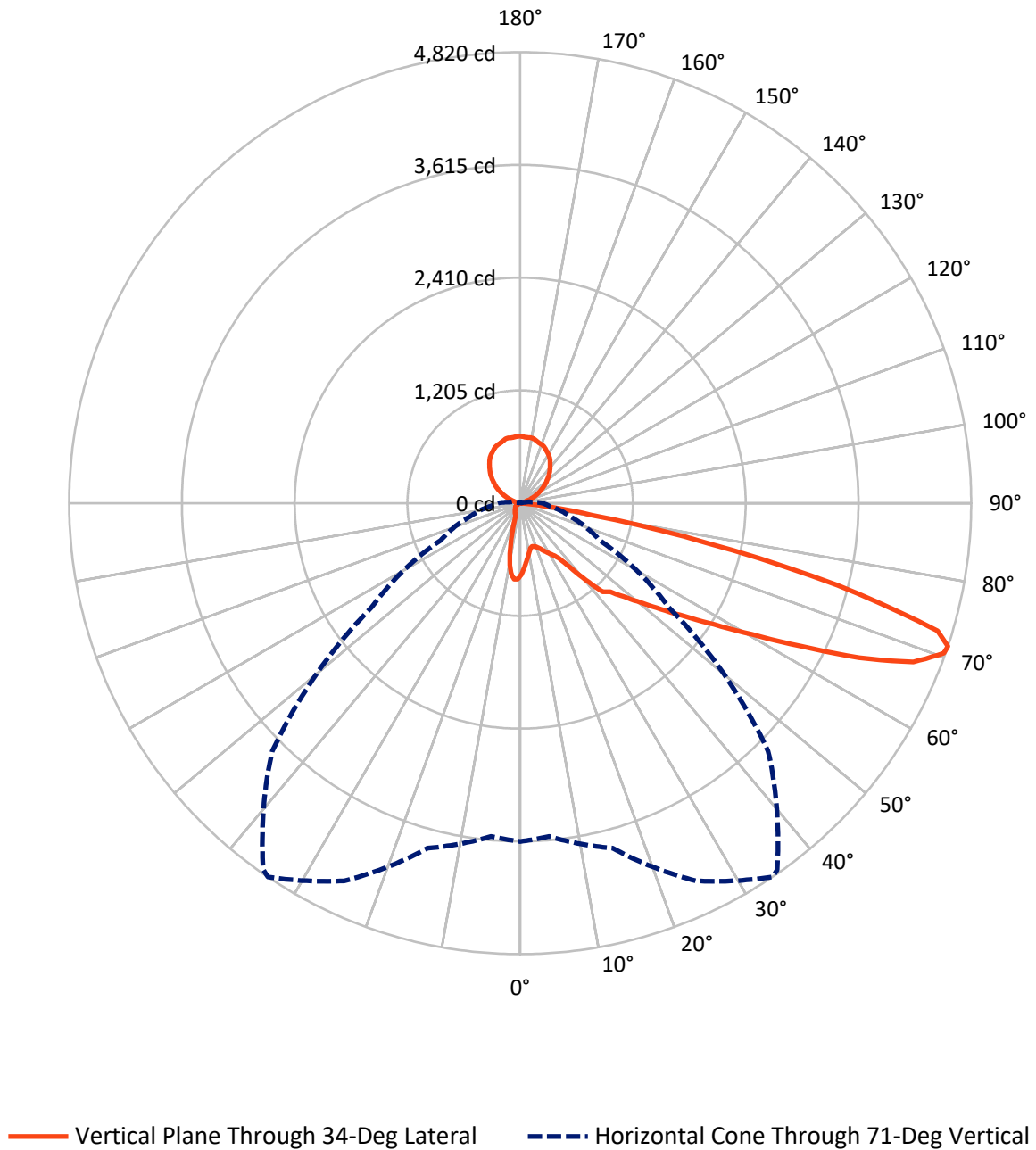
× Max cd  
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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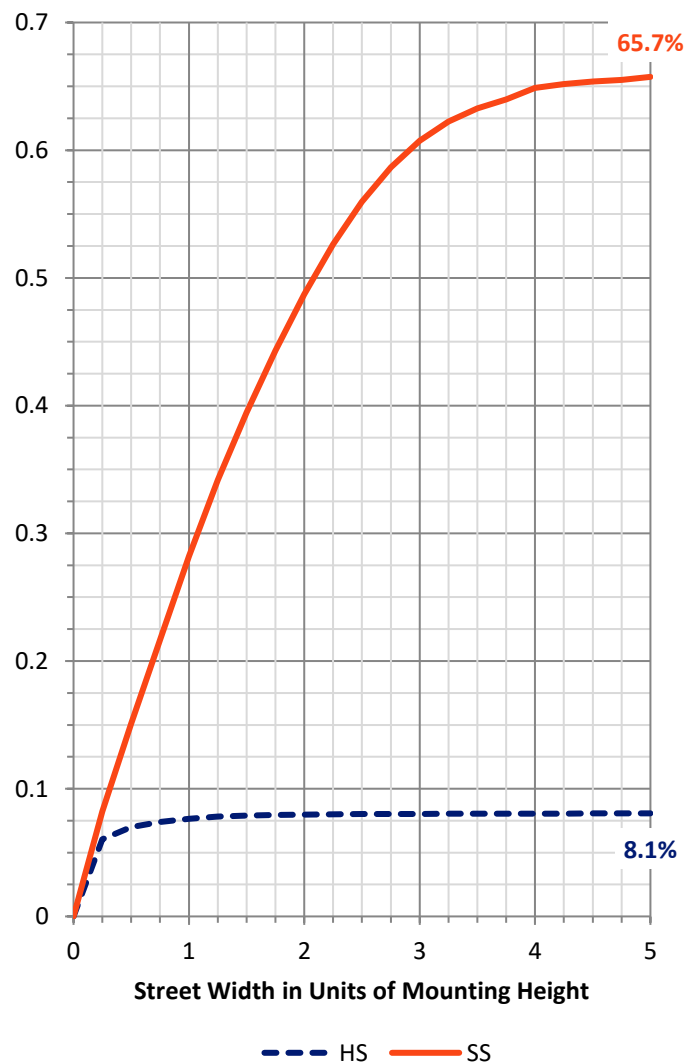
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 550.9    | 887.0  | 1437.9 |
|                    | % Fixture | 8.2      | 13.1   | 21.3   |
| <b>Street Side</b> | Lumens    | 4431.1   | 887.0  | 5318.1 |
|                    | % Fixture | 65.6     | 13.1   | 78.7   |
| <b>Total</b>       | Lumens    | 4982.0   | 1773.9 | 6755.9 |
|                    | % Fixture | 73.7     | 26.3   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 68.0   | 1.0       |
| 10°-20°   | 155.9  | 2.3       |
| 20°-30°   | 232.8  | 3.4       |
| 30°-40°   | 388.7  | 5.8       |
| 40°-50°   | 702.1  | 10.4      |
| 50°-60°   | 1114.0 | 16.5      |
| 60°-70°   | 1496.9 | 22.2      |
| 70°-80°   | 794.3  | 11.8      |
| 80°-90°   | 29.3   | 0.4       |
| 90°-100°  | 8.4    | 0.1       |
| 100°-110° | 58.7   | 0.9       |
| 110°-120° | 169.9  | 2.5       |
| 120°-130° | 279.4  | 4.1       |
| 130°-140° | 344.6  | 5.1       |
| 140°-150° | 352.5  | 5.2       |
| 150°-160° | 297.0  | 4.4       |
| 160°-170° | 195.5  | 2.9       |
| 170°-180° | 67.8   | 1.0       |
| 0°-90°    | 4982.0 | 73.7      |
| 0°-180°   | 6755.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER:

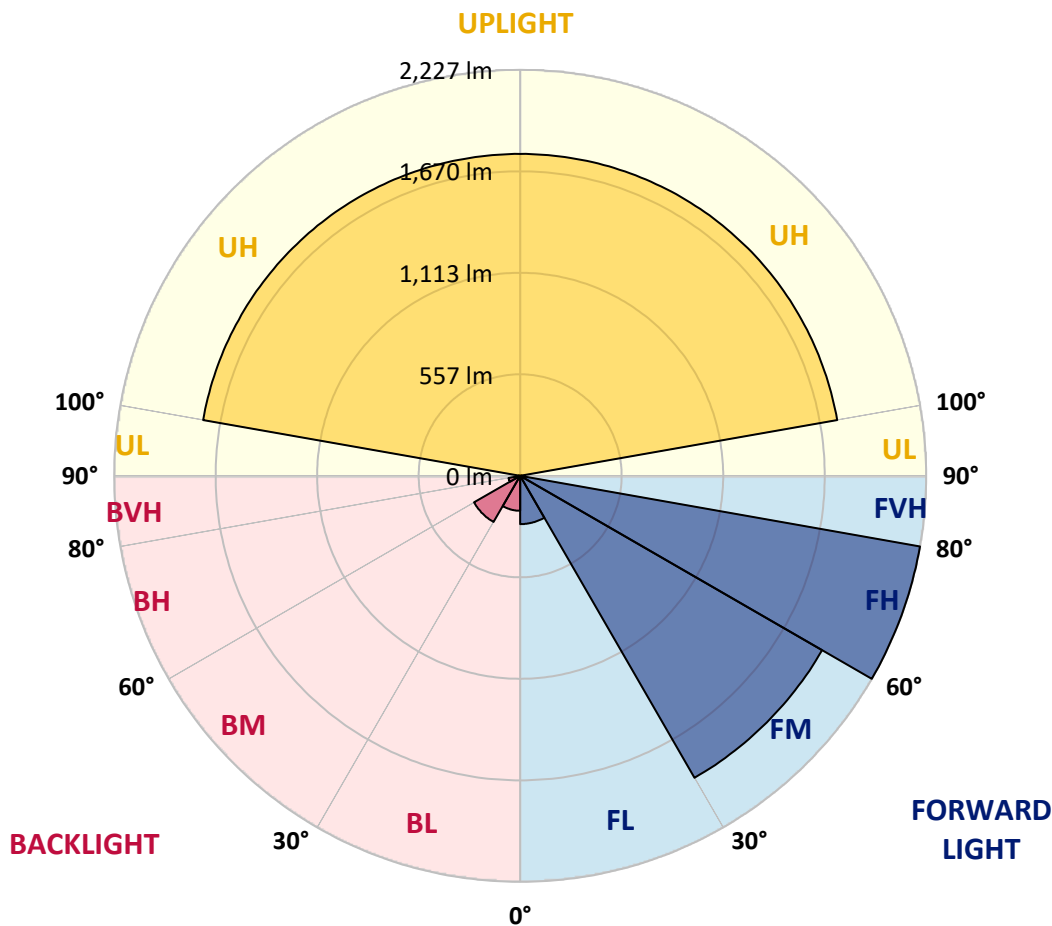
CATALOG NUMBER: ENC-SA1E-740-U-T4FT-HSS-ULG

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |       |         |
|------|-------------|--------|-----------|-------------------------|-------|---------|
|      |             |        |           | B                       | U     | G       |
| FL   | (0°-30°)    | 265.1  | 3.9       |                         |       |         |
| FM   | (30°-60°)   | 1912.4 | 28.3      |                         |       |         |
| FH   | (60°-80°)   | 2226.9 | 33.0      |                         |       | G2/5000 |
| FVH  | (80°-90°)   | 26.7   | 0.4       |                         |       | G1/100  |
| BL   | (0°-30°)    | 191.6  | 2.8       | B1/500                  |       |         |
| BM   | (30°-60°)   | 292.3  | 4.3       | B1/1000                 |       |         |
| BH   | (60°-80°)   | 64.3   | 1.0       | B0/110                  |       | G0/110  |
| BVH  | (80°-90°)   | 2.6    | 0.0       |                         |       | G0/10   |
| UL   | (90°-100°)  | 8.4    | 0.1       |                         | U1/10 |         |
| UH   | (100°-180°) | 1765.5 | 26.1      |                         | U5    |         |

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  | 771.9  |
| 2.5°   | 702.9  | 693.9  | 701.9  | 705.9  | 708.9  | 712.9  | 718.9  | 729.9  | 741.9  | 755.9  | 763.9  |
| 5°     | 612.9  | 617.9  | 620.9  | 631.9  | 642.9  | 644.9  | 663.9  | 685.9  | 713.9  | 741.9  | 765.9  |
| 7.5°   | 540.0  | 540.0  | 549.0  | 566.0  | 584.0  | 586.0  | 618.9  | 647.9  | 687.9  | 730.9  | 769.9  |
| 10°    | 482.0  | 484.0  | 491.0  | 508.0  | 531.0  | 536.0  | 573.0  | 612.9  | 662.9  | 718.9  | 773.9  |
| 12.5°  | 463.0  | 462.0  | 461.0  | 473.0  | 492.0  | 497.0  | 538.0  | 586.0  | 644.9  | 712.9  | 783.9  |
| 15°    | 475.0  | 472.0  | 465.0  | 467.0  | 479.0  | 484.0  | 520.0  | 568.0  | 633.9  | 711.9  | 800.9  |
| 17.5°  | 494.0  | 490.0  | 477.0  | 473.0  | 486.0  | 491.0  | 521.0  | 563.0  | 629.9  | 716.9  | 820.9  |
| 20°    | 517.0  | 513.0  | 493.0  | 488.0  | 501.0  | 505.0  | 536.0  | 572.0  | 631.9  | 726.9  | 847.9  |
| 22.5°  | 550.0  | 545.0  | 516.0  | 510.0  | 523.0  | 527.0  | 560.0  | 592.9  | 643.9  | 744.9  | 884.9  |
| 25°    | 589.9  | 584.0  | 547.0  | 539.0  | 555.0  | 559.0  | 591.9  | 622.9  | 663.9  | 768.9  | 931.9  |
| 27.5°  | 633.9  | 626.9  | 587.9  | 572.0  | 589.9  | 595.9  | 626.9  | 660.9  | 692.9  | 798.9  | 993.9  |
| 30°    | 673.9  | 665.9  | 627.9  | 609.9  | 627.9  | 630.9  | 667.9  | 705.9  | 739.9  | 849.9  | 1084.9 |
| 32.5°  | 784.9  | 764.9  | 705.9  | 653.9  | 665.9  | 671.9  | 716.9  | 776.9  | 827.9  | 910.9  | 1201.9 |
| 35°    | 950.9  | 934.9  | 862.9  | 772.9  | 730.9  | 732.9  | 790.9  | 866.9  | 889.9  | 981.9  | 1346.9 |
| 37.5°  | 1110.9 | 1096.9 | 1033.9 | 950.9  | 870.9  | 873.9  | 883.9  | 956.9  | 983.9  | 1104.9 | 1523.9 |
| 40°    | 1285.9 | 1263.9 | 1213.9 | 1134.9 | 1079.9 | 1066.9 | 1017.9 | 1068.9 | 1127.9 | 1259.9 | 1716.9 |
| 42.5°  | 1366.9 | 1345.9 | 1293.9 | 1298.9 | 1292.9 | 1269.9 | 1172.9 | 1243.9 | 1309.9 | 1484.9 | 1929.8 |
| 45°    | 1500.9 | 1459.9 | 1352.9 | 1360.9 | 1352.9 | 1354.9 | 1378.9 | 1481.9 | 1538.9 | 1722.9 | 2170.8 |
| 47.5°  | 1624.9 | 1577.9 | 1465.9 | 1457.9 | 1492.9 | 1510.9 | 1639.9 | 1764.8 | 1769.8 | 1929.8 | 2359.8 |
| 50°    | 1737.9 | 1703.9 | 1600.9 | 1601.9 | 1665.9 | 1685.9 | 1943.8 | 2057.8 | 1956.8 | 2088.8 | 2507.8 |
| 52.5°  | 1887.8 | 1839.8 | 1747.9 | 1780.8 | 1880.8 | 1898.8 | 2246.8 | 2314.8 | 2091.8 | 2232.8 | 2623.8 |
| 55°    | 2026.8 | 2000.8 | 1932.8 | 1981.8 | 2134.8 | 2181.8 | 2554.8 | 2512.8 | 2186.8 | 2360.8 | 2679.8 |
| 57.5°  | 2254.8 | 2229.8 | 2211.8 | 2236.8 | 2441.8 | 2500.8 | 2866.8 | 2652.8 | 2260.8 | 2445.8 | 2653.8 |
| 60°    | 2634.8 | 2609.8 | 2555.8 | 2578.8 | 2845.8 | 2875.8 | 3111.7 | 2794.8 | 2289.8 | 2469.8 | 2551.8 |
| 62.5°  | 3103.7 | 3072.7 | 2985.7 | 3091.7 | 3359.7 | 3358.7 | 3365.7 | 2869.8 | 2252.8 | 2398.8 | 2282.8 |
| 65°    | 3526.7 | 3483.7 | 3438.7 | 3654.7 | 3980.7 | 3935.7 | 3635.7 | 2878.8 | 2135.8 | 2055.8 | 1765.8 |
| 67.5°  | 3834.7 | 3817.7 | 3842.7 | 4179.6 | 4530.6 | 4485.6 | 3897.7 | 2754.8 | 1777.8 | 1483.9 | 1090.9 |
| 70°    | 3822.7 | 3787.7 | 3946.7 | 4484.6 | 4803.6 | 4766.6 | 3886.7 | 2263.8 | 1185.9 | 785.9  | 457.0  |
| 71°    | 3615.7 | 3575.7 | 3817.7 | 4454.6 | 4819.6 | 4784.6 | 3746.7 | 1936.8 | 937.9  | 555.0  | 301.0  |
| 72.5°  | 2793.8 | 2914.8 | 3299.7 | 4133.6 | 4665.6 | 4620.6 | 3365.7 | 1482.9 | 593.9  | 321.0  | 151.0  |
| 75°    | 1181.9 | 1247.9 | 1958.8 | 2950.7 | 3499.7 | 3476.7 | 2268.8 | 684.9  | 273.0  | 145.0  | 58.0   |
| 77.5°  | 304.0  | 300.0  | 599.9  | 1265.9 | 2037.8 | 2073.8 | 1045.9 | 235.0  | 142.0  | 103.0  | 33.0   |
| 80°    | 59.0   | 64.0   | 171.0  | 440.0  | 777.9  | 798.9  | 341.0  | 103.0  | 95.0   | 81.0   | 17.0   |
| 82.5°  | 6.0    | 7.0    | 30.0   | 136.0  | 261.0  | 252.0  | 75.0   | 39.0   | 58.0   | 55.0   | 8.0    |
| 85°    | 0.0    | 0.0    | 1.0    | 1.0    | 1.0    | 1.0    | 1.0    | 4.0    | 14.0   | 15.0   | 2.0    |
| 87.5°  | 0.0    | 0.0    | 1.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |
| 92.5°  | 4.1    | 4.1    | 5.1    | 6.1    | 6.1    | 6.1    | 6.1    | 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    | 9.1    | 9.2    | 9.2    | 12.3   | 10.2   | 9.2    | 8.2    |
| 100°   | 8.2    | 8.2    | 9.2    | 10.2   | 12.1   | 12.3   | 21.5   | 29.7   | 26.6   | 23.5   | 19.4   |
| 102.5° | 11.3   | 11.3   | 13.3   | 18.4   | 26.7   | 27.6   | 40.9   | 51.1   | 48.1   | 43.0   | 39.9   |
| 105°   | 21.5   | 22.5   | 27.6   | 36.8   | 47.9   | 49.1   | 64.4   | 73.7   | 71.6   | 66.5   | 62.4   |
| 107.5° | 41.9   | 43.0   | 50.1   | 59.3   | 73.2   | 74.7   | 90.0   | 97.2   | 96.2   | 92.1   | 89.0   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 25°   | 34°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110°   | 67.5  | 69.6  | 75.7  | 89.0  | 102.8 | 104.3 | 116.6 | 122.8 | 123.8 | 121.7 | 118.7 |
| 112.5° | 101.3 | 101.3 | 108.4 | 123.8 | 135.8 | 137.1 | 146.3 | 151.4 | 153.4 | 152.4 | 150.4 |
| 115°   | 143.2 | 142.2 | 150.4 | 162.6 | 171.0 | 171.9 | 178.0 | 183.1 | 186.2 | 183.1 | 181.1 |
| 117.5° | 188.2 | 188.2 | 193.3 | 201.5 | 206.1 | 206.6 | 209.7 | 215.8 | 219.9 | 214.8 | 212.8 |
| 120°   | 230.2 | 228.1 | 231.2 | 238.3 | 242.0 | 242.4 | 248.6 | 251.6 | 255.7 | 250.6 | 248.6 |
| 122.5° | 269.0 | 266.0 | 267.0 | 273.1 | 276.8 | 277.2 | 283.4 | 285.4 | 289.5 | 284.4 | 282.3 |
| 125°   | 304.8 | 300.7 | 302.8 | 305.9 | 311.4 | 312.0 | 317.1 | 320.2 | 322.2 | 317.1 | 317.1 |
| 127.5° | 337.6 | 336.6 | 336.6 | 340.6 | 346.2 | 346.8 | 347.8 | 352.9 | 353.9 | 353.9 | 352.9 |
| 130°   | 371.3 | 369.3 | 370.3 | 374.4 | 378.1 | 378.5 | 380.5 | 385.7 | 389.7 | 389.7 | 387.7 |
| 132.5° | 405.1 | 403.0 | 402.0 | 410.2 | 413.0 | 413.3 | 414.3 | 420.4 | 425.5 | 423.5 | 423.5 |
| 135°   | 438.8 | 435.8 | 435.8 | 441.9 | 444.7 | 445.0 | 447.0 | 453.2 | 458.3 | 457.3 | 460.3 |
| 137.5° | 470.6 | 467.5 | 469.5 | 470.6 | 474.2 | 474.6 | 478.7 | 483.9 | 485.9 | 486.9 | 492.0 |
| 140°   | 499.2 | 496.1 | 498.2 | 500.2 | 502.1 | 502.3 | 508.4 | 511.5 | 513.5 | 515.6 | 520.7 |
| 142.5° | 529.9 | 526.8 | 528.9 | 529.9 | 532.7 | 533.0 | 537.0 | 539.1 | 545.2 | 545.2 | 546.3 |
| 145°   | 562.6 | 558.5 | 556.5 | 559.6 | 562.3 | 562.6 | 563.6 | 568.8 | 574.9 | 573.9 | 570.8 |
| 147.5° | 588.2 | 585.1 | 584.1 | 587.2 | 587.2 | 587.2 | 588.2 | 593.3 | 598.4 | 599.4 | 596.4 |
| 150°   | 608.7 | 605.6 | 606.6 | 606.6 | 606.6 | 606.6 | 606.6 | 610.7 | 613.8 | 616.8 | 619.9 |
| 152.5° | 625.0 | 622.0 | 622.0 | 623.0 | 623.9 | 624.0 | 624.0 | 625.0 | 628.1 | 632.2 | 637.3 |
| 155°   | 643.4 | 639.3 | 639.3 | 641.4 | 644.2 | 644.5 | 642.4 | 640.4 | 645.5 | 650.6 | 652.6 |
| 157.5° | 660.8 | 657.8 | 657.8 | 658.8 | 660.6 | 660.8 | 659.8 | 658.8 | 662.9 | 664.9 | 664.9 |
| 160°   | 678.2 | 675.1 | 674.1 | 671.1 | 670.1 | 670.0 | 670.0 | 673.1 | 679.2 | 676.2 | 675.1 |
| 162.5° | 688.4 | 684.4 | 684.4 | 680.3 | 676.6 | 676.2 | 678.2 | 682.3 | 686.4 | 685.4 | 683.3 |
| 165°   | 696.6 | 693.6 | 691.5 | 691.5 | 688.7 | 688.4 | 688.4 | 687.4 | 692.5 | 695.6 | 693.6 |
| 167.5° | 705.8 | 702.8 | 699.7 | 701.7 | 703.6 | 703.8 | 700.7 | 693.6 | 699.7 | 703.8 | 703.8 |
| 170°   | 714.0 | 711.0 | 707.9 | 707.9 | 708.8 | 708.9 | 706.9 | 701.7 | 704.8 | 709.9 | 712.0 |
| 172.5° | 715.0 | 713.0 | 711.0 | 708.9 | 706.1 | 705.8 | 705.8 | 704.8 | 707.9 | 709.9 | 712.0 |
| 175°   | 716.1 | 714.0 | 713.0 | 711.0 | 707.3 | 706.9 | 705.8 | 705.8 | 711.0 | 712.0 | 709.9 |
| 177.5° | 723.2 | 721.2 | 716.1 | 715.0 | 713.2 | 713.0 | 711.0 | 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°     | 771.9  | 771.9  | 771.9 | 771.9 | 771.9 | 771.9 | 771.9 | 771.9 | 771.9 | 771.9 | 771.9 |
| 2.5°   | 769.9  | 778.9  | 788.9 | 795.9 | 802.9 | 803.9 | 813.9 | 811.9 | 814.9 | 815.9 | 814.9 |
| 5°     | 778.9  | 790.9  | 809.9 | 819.9 | 823.9 | 816.9 | 814.9 | 803.9 | 799.9 | 794.9 | 789.9 |
| 7.5°   | 788.9  | 803.9  | 825.9 | 830.9 | 816.9 | 790.9 | 769.9 | 742.9 | 717.9 | 701.9 | 703.9 |
| 10°    | 799.9  | 818.9  | 836.9 | 823.9 | 787.9 | 736.9 | 677.9 | 617.9 | 565.0 | 545.0 | 552.0 |
| 12.5°  | 813.9  | 836.9  | 844.9 | 808.9 | 738.9 | 635.9 | 529.0 | 438.0 | 383.0 | 350.0 | 346.0 |
| 15°    | 834.9  | 857.9  | 848.9 | 784.9 | 660.9 | 500.0 | 367.0 | 275.0 | 222.0 | 205.0 | 196.0 |
| 17.5°  | 860.9  | 882.9  | 848.9 | 741.9 | 550.0 | 358.0 | 223.0 | 167.0 | 150.0 | 146.0 | 147.0 |
| 20°    | 892.9  | 913.9  | 844.9 | 676.9 | 424.0 | 220.0 | 149.0 | 138.0 | 138.0 | 138.0 | 137.0 |
| 22.5°  | 935.9  | 946.9  | 838.9 | 590.9 | 292.0 | 149.0 | 132.0 | 131.0 | 132.0 | 132.0 | 132.0 |
| 25°    | 987.9  | 985.9  | 827.9 | 488.0 | 184.0 | 127.0 | 126.0 | 126.0 | 127.0 | 128.0 | 128.0 |
| 27.5°  | 1056.9 | 1035.9 | 808.9 | 365.0 | 130.0 | 118.0 | 120.0 | 122.0 | 124.0 | 126.0 | 126.0 |
| 30°    | 1152.9 | 1101.9 | 777.9 | 247.0 | 110.0 | 109.0 | 113.0 | 119.0 | 122.0 | 124.0 | 124.0 |
| 32.5°  | 1255.9 | 1169.9 | 724.9 | 158.0 | 101.0 | 100.0 | 104.0 | 113.0 | 121.0 | 123.0 | 123.0 |
| 35°    | 1385.9 | 1242.9 | 645.9 | 114.0 | 95.0  | 93.0  | 97.0  | 105.0 | 117.0 | 123.0 | 123.0 |
| 37.5°  | 1522.9 | 1320.9 | 531.0 | 96.0  | 89.0  | 87.0  | 90.0  | 96.0  | 110.0 | 121.0 | 122.0 |
| 40°    | 1668.9 | 1389.9 | 399.0 | 89.0  | 83.0  | 82.0  | 83.0  | 89.0  | 100.0 | 115.0 | 118.0 |
| 42.5°  | 1815.8 | 1447.9 | 279.0 | 82.0  | 78.0  | 76.0  | 78.0  | 82.0  | 92.0  | 105.0 | 107.0 |
| 45°    | 1977.8 | 1511.9 | 186.0 | 76.0  | 74.0  | 72.0  | 74.0  | 77.0  | 84.0  | 91.0  | 92.0  |
| 47.5°  | 2095.8 | 1534.9 | 128.0 | 69.0  | 68.0  | 69.0  | 70.0  | 72.0  | 76.0  | 77.0  | 76.0  |
| 50°    | 2173.8 | 1522.9 | 92.0  | 62.0  | 63.0  | 66.0  | 66.0  | 67.0  | 67.0  | 64.0  | 63.0  |
| 52.5°  | 2230.8 | 1478.9 | 71.0  | 53.0  | 59.0  | 62.0  | 62.0  | 60.0  | 58.0  | 54.0  | 53.0  |
| 55°    | 2236.8 | 1379.9 | 56.0  | 46.0  | 53.0  | 58.0  | 57.0  | 53.0  | 49.0  | 45.0  | 45.0  |
| 57.5°  | 2160.8 | 1229.9 | 46.0  | 39.0  | 46.0  | 51.0  | 49.0  | 45.0  | 40.0  | 37.0  | 37.0  |
| 60°    | 2037.8 | 1075.9 | 39.0  | 33.0  | 38.0  | 43.0  | 40.0  | 37.0  | 32.0  | 29.0  | 29.0  |
| 62.5°  | 1810.8 | 923.9  | 32.0  | 27.0  | 31.0  | 34.0  | 33.0  | 30.0  | 25.0  | 23.0  | 22.0  |
| 65°    | 1387.9 | 702.9  | 24.0  | 21.0  | 24.0  | 28.0  | 26.0  | 23.0  | 20.0  | 17.0  | 16.0  |
| 67.5°  | 833.9  | 423.0  | 19.0  | 16.0  | 19.0  | 22.0  | 20.0  | 17.0  | 14.0  | 12.0  | 12.0  |
| 70°    | 353.0  | 181.0  | 15.0  | 12.0  | 14.0  | 17.0  | 16.0  | 14.0  | 11.0  | 10.0  | 10.0  |
| 71°    | 240.0  | 129.0  | 13.0  | 11.0  | 13.0  | 16.0  | 15.0  | 13.0  | 11.0  | 10.0  | 10.0  |
| 72.5°  | 123.0  | 66.0   | 11.0  | 9.0   | 12.0  | 14.0  | 14.0  | 12.0  | 10.0  | 10.0  | 10.0  |
| 75°    | 44.0   | 28.0   | 9.0   | 8.0   | 10.0  | 10.0  | 11.0  | 11.0  | 11.0  | 11.0  | 10.0  |
| 77.5°  | 25.0   | 17.0   | 8.0   | 8.0   | 8.0   | 9.0   | 11.0  | 12.0  | 13.0  | 13.0  | 12.0  |
| 80°    | 14.0   | 9.0    | 5.0   | 6.0   | 8.0   | 9.0   | 11.0  | 12.0  | 14.0  | 14.0  | 13.0  |
| 82.5°  | 7.0    | 3.0    | 1.0   | 3.0   | 5.0   | 8.0   | 9.0   | 10.0  | 12.0  | 11.0  | 11.0  |
| 85°    | 1.0    | 0.0    | 0.0   | 1.0   | 3.0   | 4.0   | 6.0   | 8.0   | 10.0  | 10.0  | 9.0   |
| 87.5°  | 0.0    | 0.0    | 0.0   | 0.0   | 1.0   | 2.0   | 3.0   | 5.0   | 7.0   | 8.0   | 7.0   |
| 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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