

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: P938748

Luminaire Tested: **GLAN-SB1A-735-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

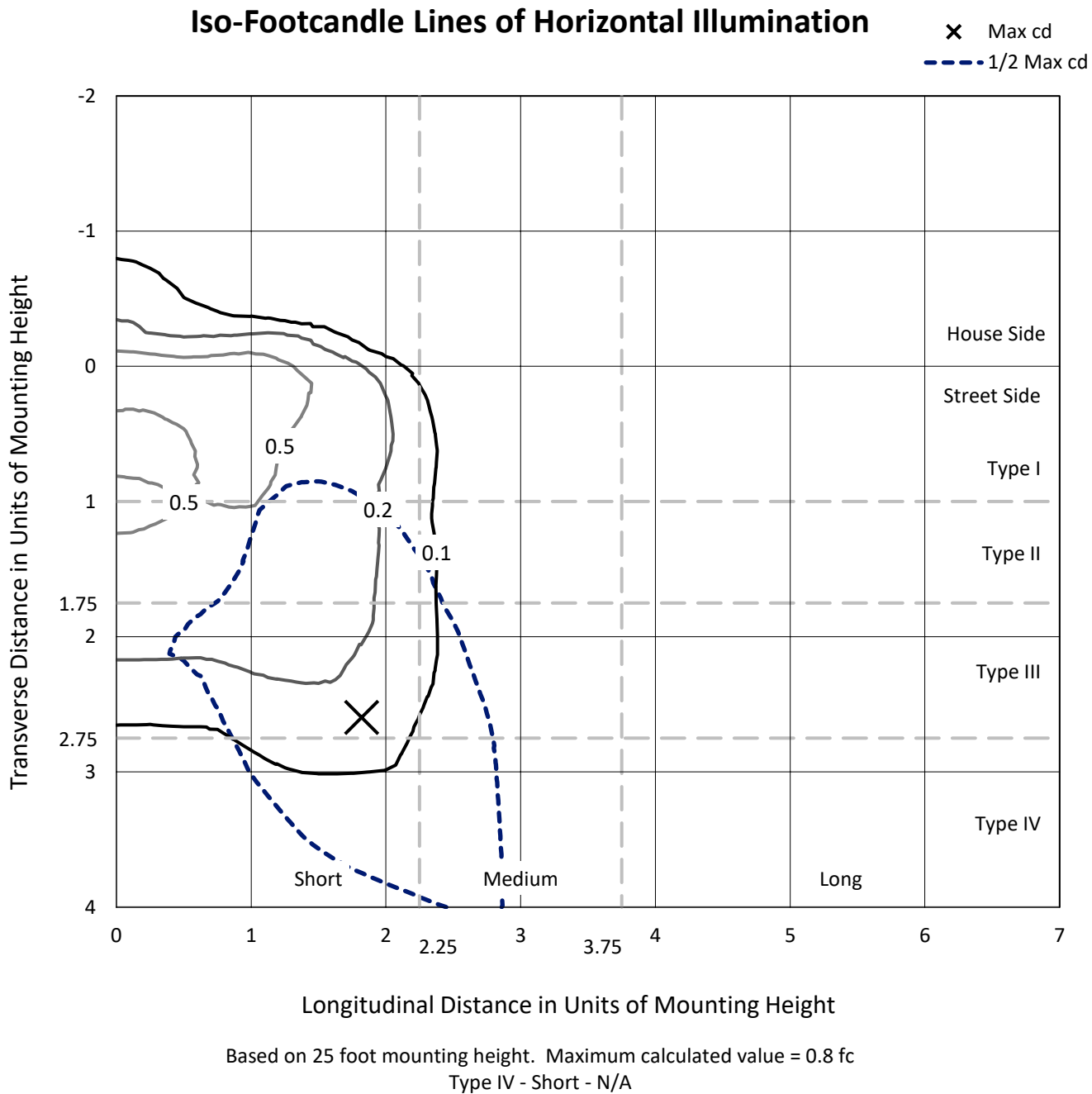
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3397 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 30.9  
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

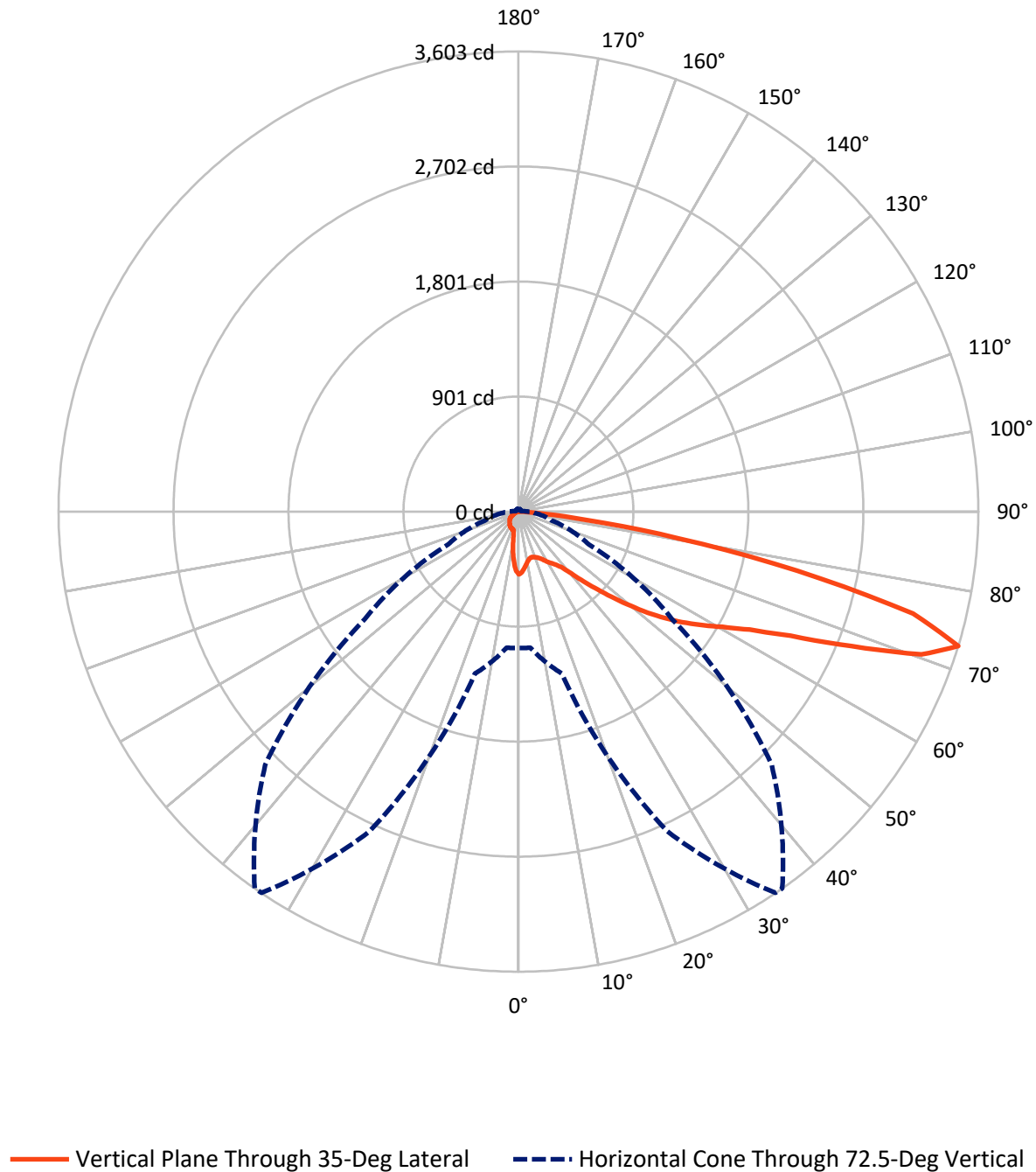


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## Luminous Intensity Polar Plot



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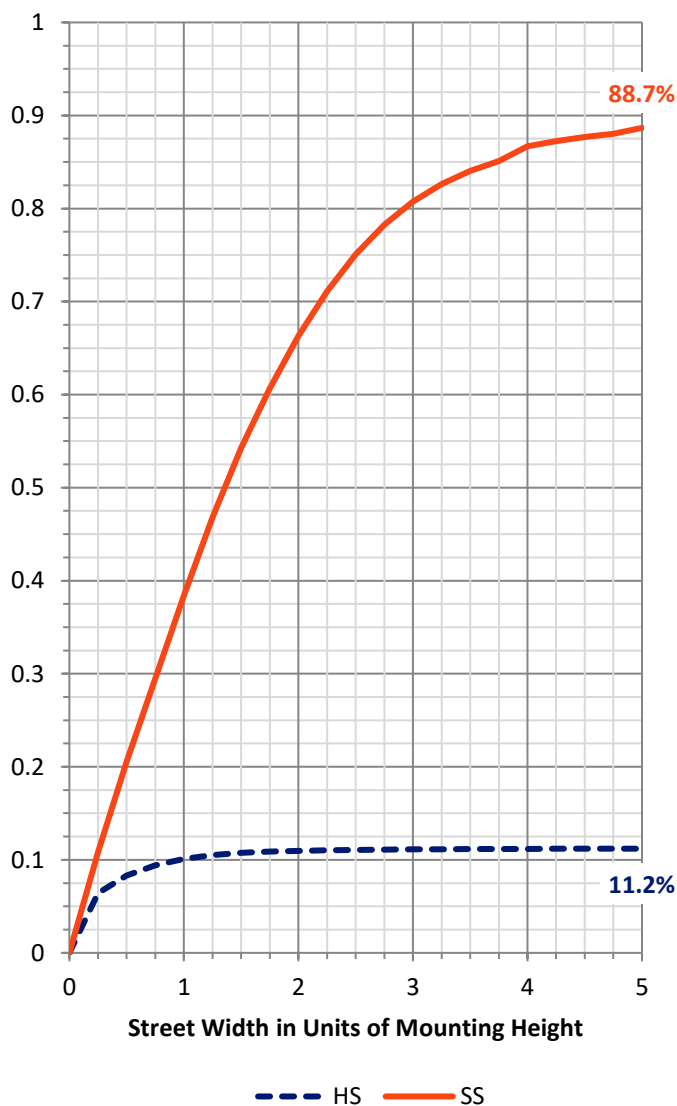
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 382.3    | 0.0    | 382.3  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 3014.7   | 0.0    | 3014.7 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 3397.0   | 0.0    | 3397.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.5   | 1.2       |
| 10°-20°   | 94.6   | 2.8       |
| 20°-30°   | 153.7  | 4.5       |
| 30°-40°   | 256.5  | 7.6       |
| 40°-50°   | 485.4  | 14.3      |
| 50°-60°   | 771.2  | 22.7      |
| 60°-70°   | 954.1  | 28.1      |
| 70°-80°   | 593.0  | 17.5      |
| 80°-90°   | 47.9   | 1.4       |
| 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°    | 3397.0 | 100.0     |
| 0°-180°   | 3397.0 | 100.0     |

**Coefficient of Utilization**



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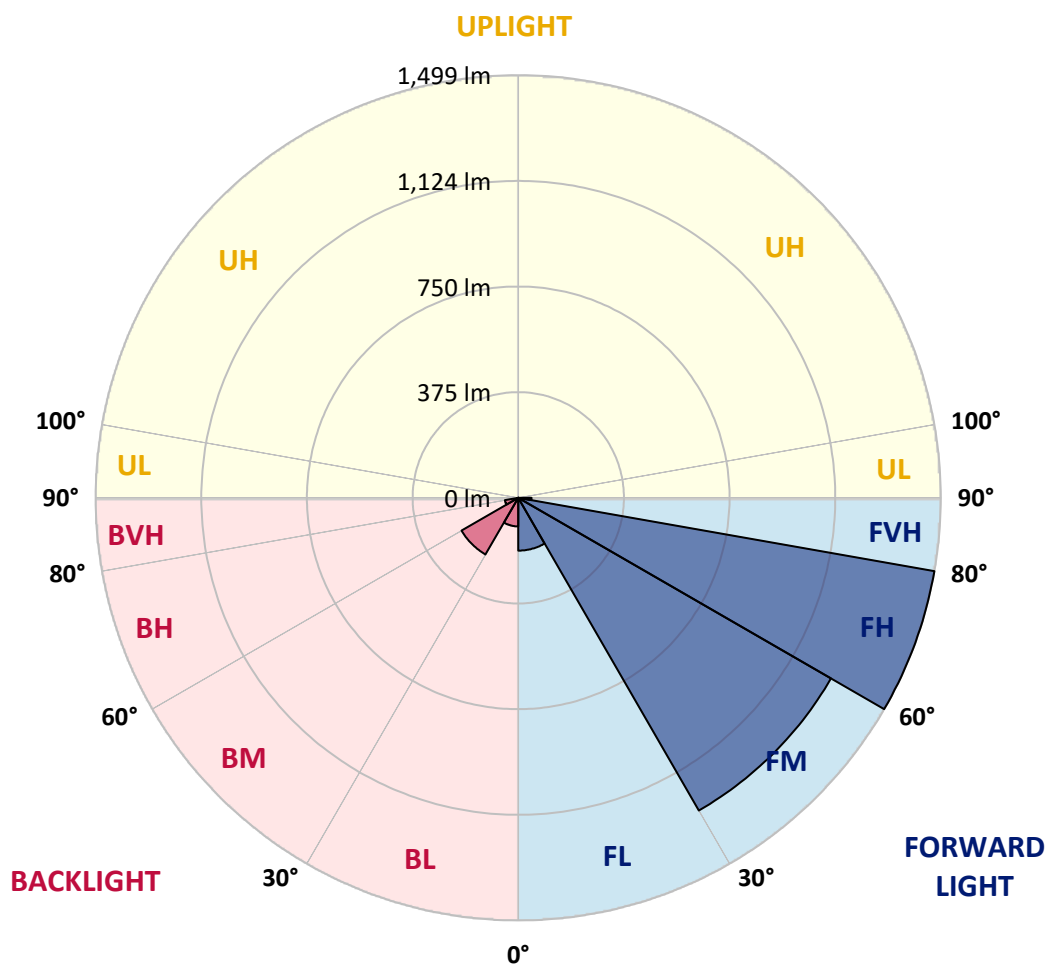
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 187.3  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1281.0 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 1499.1 | 44.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 47.3   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 101.6  | 3.0       | B0/110                  |      |         |
| BM   | (30°-60°)   | 232.1  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 48.0   | 1.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.6    | 0.0       |                         |      | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  | 492.3  |
| 2.5°  | 470.4  | 474.4  | 475.2  | 476.4  | 476.4  | 477.9  | 480.4  | 483.9  | 489.6  | 492.6  |
| 5°    | 433.6  | 436.6  | 440.3  | 443.3  | 449.0  | 449.8  | 459.5  | 468.9  | 482.1  | 492.1  |
| 7.5°  | 396.5  | 400.0  | 405.0  | 412.2  | 419.7  | 421.9  | 436.6  | 452.5  | 473.4  | 492.1  |
| 10°   | 370.4  | 370.6  | 375.1  | 382.3  | 394.3  | 397.0  | 414.9  | 437.6  | 463.7  | 489.1  |
| 12.5° | 355.7  | 357.4  | 359.4  | 364.9  | 376.3  | 378.1  | 397.3  | 423.9  | 454.0  | 487.4  |
| 15°   | 355.7  | 356.9  | 358.2  | 360.9  | 370.1  | 371.6  | 388.5  | 415.2  | 449.0  | 488.1  |
| 17.5° | 359.4  | 361.4  | 360.4  | 363.7  | 373.4  | 374.4  | 389.3  | 412.7  | 448.8  | 492.8  |
| 20°   | 368.4  | 369.9  | 367.9  | 369.9  | 379.6  | 381.6  | 397.0  | 417.4  | 453.0  | 501.1  |
| 22.5° | 382.6  | 383.3  | 378.6  | 380.1  | 390.0  | 392.5  | 410.4  | 430.9  | 463.2  | 514.2  |
| 25°   | 400.5  | 402.0  | 394.8  | 396.5  | 406.0  | 409.0  | 429.6  | 451.0  | 479.4  | 532.4  |
| 27.5° | 421.2  | 421.9  | 415.7  | 415.4  | 427.6  | 431.9  | 452.8  | 475.9  | 501.1  | 555.3  |
| 30°   | 444.8  | 447.0  | 441.1  | 440.1  | 455.5  | 459.0  | 479.6  | 506.5  | 532.9  | 589.7  |
| 32.5° | 463.5  | 465.2  | 461.7  | 464.2  | 479.9  | 482.6  | 512.3  | 549.8  | 582.9  | 638.4  |
| 35°   | 490.3  | 491.3  | 483.4  | 487.9  | 505.8  | 512.7  | 556.8  | 610.6  | 645.9  | 699.7  |
| 37.5° | 587.7  | 587.7  | 553.8  | 531.7  | 548.8  | 555.1  | 617.8  | 687.0  | 723.6  | 781.8  |
| 40°   | 722.3  | 720.1  | 670.6  | 625.3  | 623.0  | 635.2  | 704.7  | 783.3  | 823.9  | 880.4  |
| 42.5° | 865.9  | 862.5  | 795.0  | 750.2  | 742.7  | 747.0  | 805.0  | 902.0  | 943.4  | 1000.6 |
| 45°   | 993.4  | 992.4  | 930.7  | 870.4  | 857.0  | 870.4  | 930.2  | 1040.9 | 1070.6 | 1130.8 |
| 47.5° | 1100.2 | 1100.2 | 1055.1 | 1015.8 | 1008.8 | 1016.8 | 1099.7 | 1195.0 | 1192.3 | 1269.4 |
| 50°   | 1223.1 | 1222.1 | 1179.3 | 1162.4 | 1169.6 | 1180.8 | 1294.8 | 1357.3 | 1318.2 | 1405.6 |
| 52.5° | 1309.3 | 1315.2 | 1300.5 | 1297.8 | 1334.6 | 1354.1 | 1492.9 | 1516.1 | 1431.0 | 1534.8 |
| 55°   | 1377.5 | 1384.4 | 1401.3 | 1420.5 | 1491.5 | 1516.8 | 1684.9 | 1666.7 | 1525.3 | 1646.8 |
| 57.5° | 1474.0 | 1464.1 | 1490.2 | 1528.0 | 1642.8 | 1673.4 | 1870.8 | 1808.8 | 1601.2 | 1737.6 |
| 60°   | 1591.3 | 1592.8 | 1597.2 | 1645.0 | 1793.9 | 1833.2 | 2054.0 | 1943.2 | 1650.0 | 1793.4 |
| 62.5° | 1732.1 | 1734.4 | 1743.6 | 1817.0 | 1996.7 | 2033.8 | 2249.1 | 2053.2 | 1672.4 | 1777.7 |
| 65°   | 1722.4 | 1731.9 | 1834.7 | 2085.8 | 2305.1 | 2341.7 | 2476.9 | 2130.4 | 1638.6 | 1634.3 |
| 67.5° | 1569.1 | 1584.5 | 1756.5 | 2406.9 | 2770.1 | 2810.9 | 2752.2 | 2145.6 | 1492.4 | 1270.9 |
| 70°   | 1368.0 | 1373.5 | 1580.3 | 2695.7 | 3308.5 | 3349.8 | 2998.6 | 1978.6 | 1132.5 | 708.9  |
| 72.5° | 1068.3 | 1069.6 | 1312.2 | 2762.6 | 3600.7 | 3602.9 | 2805.2 | 1468.8 | 609.1  | 272.3  |
| 75°   | 763.2  | 755.7  | 878.9  | 2240.4 | 3167.8 | 3193.2 | 2103.0 | 689.0  | 232.7  | 128.7  |
| 77.5° | 409.2  | 417.4  | 497.3  | 1328.7 | 2188.4 | 2231.7 | 1147.5 | 198.6  | 118.5  | 87.6   |
| 80°   | 126.4  | 133.4  | 203.9  | 608.3  | 1239.6 | 1265.7 | 425.4  | 88.4   | 82.6   | 62.5   |
| 82.5° | 39.8   | 41.3   | 95.1   | 255.6  | 514.5  | 526.4  | 123.2  | 50.0   | 56.5   | 41.3   |
| 85°   | 11.4   | 11.7   | 42.3   | 95.3   | 127.2  | 129.7  | 34.6   | 19.4   | 32.4   | 25.6   |
| 87.5° | 1.2    | 4.0    | 15.9   | 15.9   | 11.2   | 11.0   | 3.7    | 4.2    | 9.2    | 3.2    |
| 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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**CANDELA DISTRIBUTION (continued):**

| 85°    |       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 492.3  | 0°    | 492.3  | 492.3  | 492.3 | 492.3 | 492.3 | 492.3 | 492.3 | 492.3 | 492.3 | 492.3 |
| 494.6  | 2.5°  | 493.3  | 493.6  | 490.3 | 484.9 | 478.9 | 473.9 | 467.7 | 462.7 | 459.2 | 458.2 |
| 499.1  | 5°    | 496.8  | 495.1  | 485.9 | 469.2 | 449.3 | 432.1 | 412.9 | 397.8 | 387.8 | 383.6 |
| 503.8  | 7.5°  | 502.0  | 497.1  | 476.9 | 444.1 | 406.0 | 372.1 | 337.8 | 311.1 | 294.2 | 285.7 |
| 508.3  | 10°   | 506.5  | 496.6  | 462.0 | 407.7 | 349.5 | 298.2 | 251.9 | 219.8 | 201.9 | 193.4 |
| 513.5  | 12.5° | 510.8  | 496.3  | 442.6 | 364.6 | 285.7 | 223.0 | 180.0 | 164.0 | 159.1 | 157.3 |
| 522.0  | 15°   | 518.7  | 497.1  | 418.2 | 315.4 | 222.3 | 168.5 | 152.8 | 152.6 | 153.6 | 153.1 |
| 534.9  | 17.5° | 529.7  | 497.8  | 390.5 | 263.1 | 171.5 | 148.6 | 147.9 | 150.1 | 151.6 | 150.8 |
| 551.1  | 20°   | 543.9  | 500.8  | 361.2 | 211.3 | 147.4 | 143.6 | 145.4 | 147.4 | 148.6 | 147.4 |
| 572.7  | 22.5° | 563.8  | 506.0  | 329.1 | 169.8 | 139.6 | 140.6 | 142.1 | 144.4 | 145.6 | 143.9 |
| 600.4  | 25°   | 588.2  | 514.2  | 297.4 | 147.6 | 135.9 | 137.1 | 139.4 | 141.9 | 143.4 | 141.6 |
| 635.2  | 27.5° | 619.8  | 527.4  | 268.3 | 142.6 | 132.2 | 132.9 | 136.2 | 139.9 | 141.9 | 139.6 |
| 684.7  | 30°   | 665.6  | 549.1  | 243.2 | 144.9 | 129.9 | 128.2 | 132.7 | 137.9 | 140.1 | 138.1 |
| 752.2  | 32.5° | 726.3  | 579.7  | 227.8 | 148.3 | 128.9 | 122.7 | 126.9 | 133.7 | 137.4 | 136.2 |
| 840.3  | 35°   | 806.0  | 626.3  | 221.8 | 152.3 | 128.2 | 117.0 | 120.0 | 127.2 | 133.7 | 134.9 |
| 951.3  | 37.5° | 902.5  | 691.0  | 223.5 | 154.1 | 125.9 | 112.3 | 113.8 | 120.0 | 128.4 | 132.4 |
| 1076.3 | 40°   | 1012.3 | 766.4  | 233.5 | 152.3 | 123.5 | 108.3 | 108.5 | 113.3 | 120.7 | 126.7 |
| 1210.7 | 42.5° | 1125.6 | 854.5  | 251.9 | 145.9 | 121.2 | 104.8 | 104.0 | 107.3 | 112.3 | 116.5 |
| 1344.8 | 45°   | 1233.3 | 945.1  | 270.1 | 136.9 | 118.5 | 101.3 | 99.6  | 100.8 | 101.8 | 103.5 |
| 1475.5 | 47.5° | 1327.4 | 1008.8 | 264.8 | 128.7 | 114.7 | 97.3  | 94.3  | 93.8  | 90.9  | 90.6  |
| 1592.3 | 50°   | 1392.4 | 1022.8 | 235.2 | 120.5 | 109.3 | 92.8  | 88.1  | 85.1  | 79.9  | 77.4  |
| 1679.6 | 52.5° | 1413.0 | 967.8  | 192.2 | 112.3 | 100.3 | 86.9  | 80.1  | 75.4  | 68.9  | 66.7  |
| 1729.9 | 55°   | 1385.7 | 860.0  | 153.6 | 102.3 | 87.9  | 78.9  | 71.4  | 65.2  | 60.0  | 57.2  |
| 1735.4 | 57.5° | 1318.7 | 722.8  | 121.5 | 90.6  | 74.7  | 69.9  | 62.5  | 56.3  | 51.8  | 49.0  |
| 1674.7 | 60°   | 1207.7 | 574.0  | 96.1  | 76.7  | 63.7  | 60.2  | 52.5  | 48.5  | 44.6  | 41.3  |
| 1517.8 | 62.5° | 1039.2 | 409.7  | 75.4  | 60.7  | 53.3  | 49.3  | 44.8  | 41.8  | 37.1  | 32.6  |
| 1235.8 | 65°   | 810.9  | 250.6  | 58.2  | 44.6  | 42.8  | 40.8  | 38.1  | 35.3  | 29.6  | 25.1  |
| 806.2  | 67.5° | 511.5  | 118.7  | 41.6  | 33.6  | 33.9  | 32.9  | 31.6  | 29.4  | 25.1  | 21.2  |
| 361.2  | 70°   | 225.3  | 57.5   | 27.4  | 25.6  | 25.1  | 25.1  | 26.1  | 25.4  | 21.4  | 17.7  |
| 125.4  | 72.5° | 76.7   | 30.9   | 20.4  | 19.4  | 18.2  | 17.9  | 21.9  | 21.2  | 17.2  | 13.7  |
| 62.5   | 75°   | 40.1   | 20.7   | 14.9  | 13.9  | 11.0  | 13.2  | 17.4  | 16.4  | 12.2  | 9.0   |
| 41.3   | 77.5° | 26.1   | 14.7   | 10.2  | 9.0   | 6.2   | 8.7   | 12.9  | 11.4  | 7.2   | 4.5   |
| 27.1   | 80°   | 16.4   | 9.7    | 6.0   | 4.2   | 3.0   | 4.7   | 7.0   | 5.0   | 2.7   | 1.0   |
| 15.9   | 82.5° | 8.7    | 5.0    | 2.2   | 1.5   | 1.2   | 1.5   | 1.7   | 1.2   | 0.5   | 0.0   |
| 8.2    | 85°   | 3.5    | 1.7    | 0.7   | 0.5   | 0.2   | 0.0   | 0.5   | 0.2   | 0.0   | 0.0   |
| 1.5    | 87.5° | 1.2    | 0.2    | 0.0   | 0.0   | 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   |

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| 180°  |
|-------|
| 492.3 |
| 460.0 |
| 385.1 |
| 287.0 |
| 193.7 |
| 156.8 |
| 152.8 |
| 150.6 |
| 147.1 |
| 143.6 |
| 141.4 |
| 139.6 |
| 137.9 |
| 136.2 |
| 134.9 |
| 133.4 |
| 128.7 |
| 118.2 |
| 104.5 |
| 90.4  |
| 77.7  |
| 66.5  |
| 57.2  |
| 48.5  |
| 40.6  |
| 31.9  |
| 24.4  |
| 20.7  |
| 16.9  |
| 12.9  |
| 8.2   |
| 4.0   |
| 0.7   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |