

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: P945080

Luminaire Tested: **GLAN-SB1A-850-U-T4W-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945080  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-850-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS  
WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3306 lumens  
Efficiency: N/A  
Efficacy: 107.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1

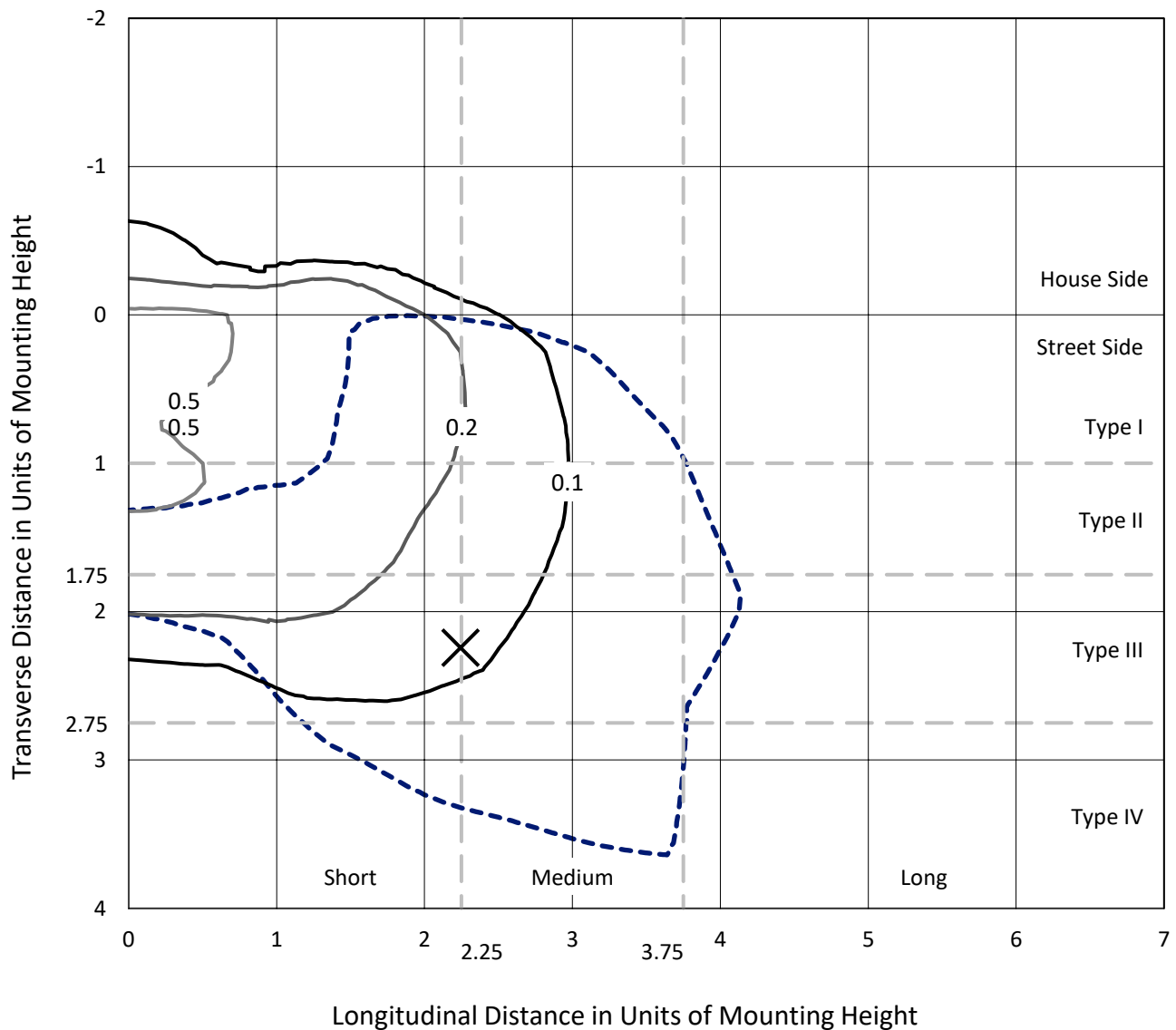
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

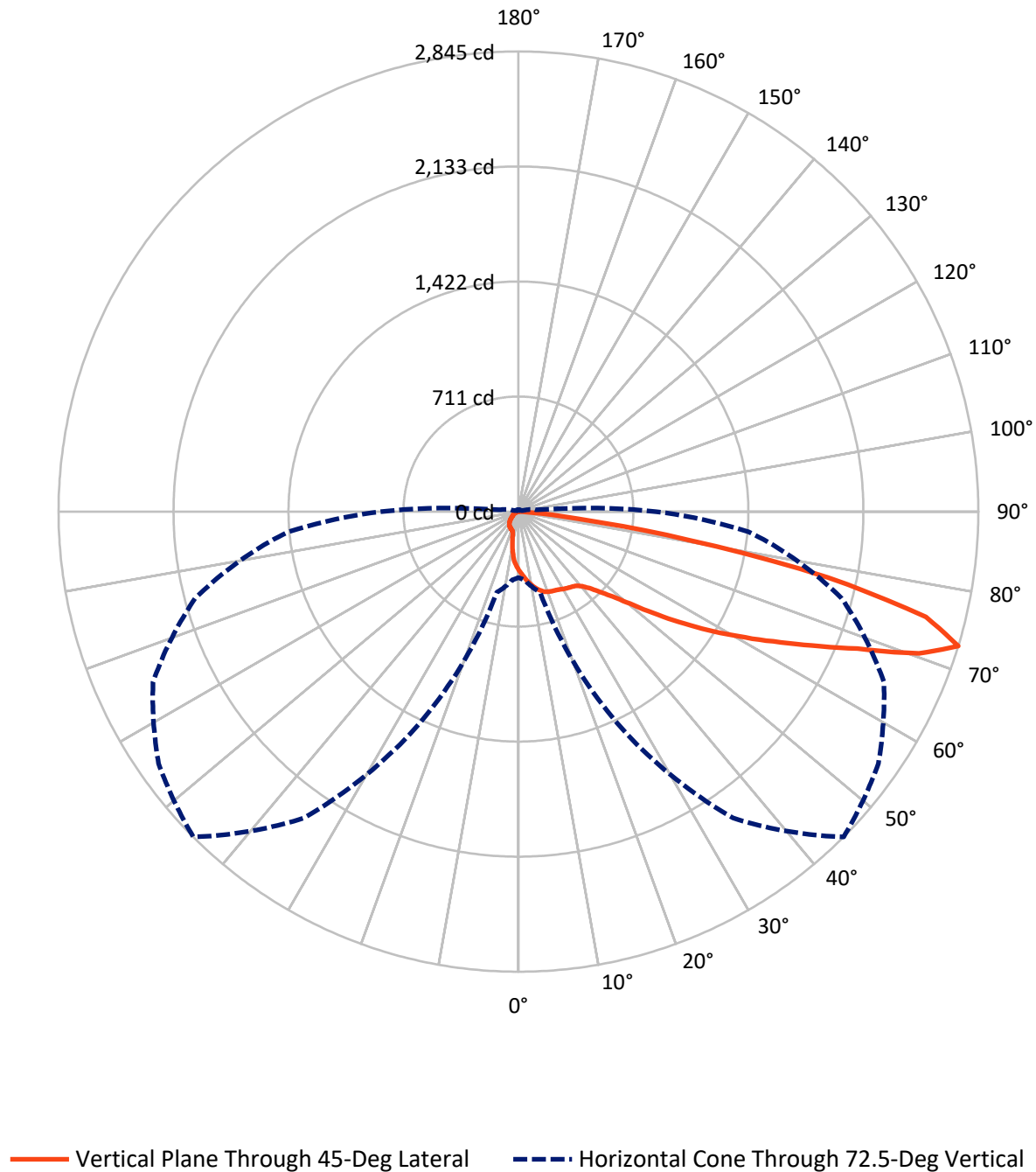
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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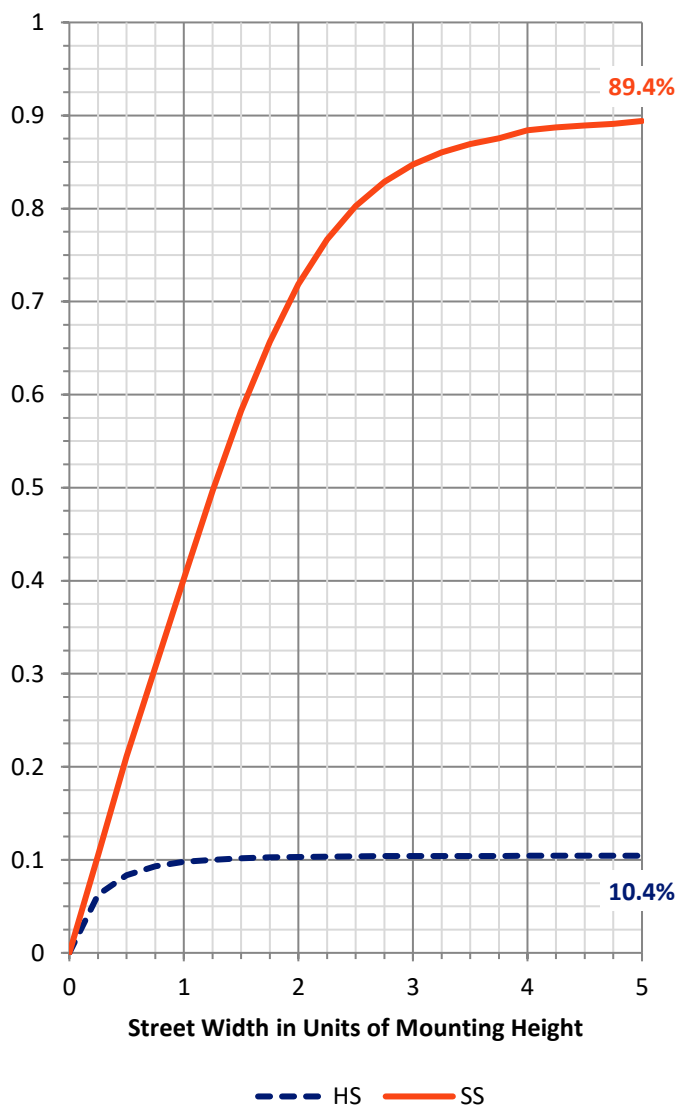
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 347.4    | 0.0    | 347.4  |
|                    | % Fixture | 10.5     | 0.0    | 10.5   |
| <b>Street Side</b> | Lumens    | 2958.6   | 0.0    | 2958.6 |
|                    | % Fixture | 89.5     | 0.0    | 89.5   |
| <b>Total</b>       | Lumens    | 3306.0   | 0.0    | 3306.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 34.1   | 1.0       |
| 10°-20°   | 99.7   | 3.0       |
| 20°-30°   | 163.8  | 5.0       |
| 30°-40°   | 232.3  | 7.0       |
| 40°-50°   | 383.9  | 11.6      |
| 50°-60°   | 689.7  | 20.9      |
| 60°-70°   | 957.6  | 29.0      |
| 70°-80°   | 694.6  | 21.0      |
| 80°-90°   | 50.2   | 1.5       |
| 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°    | 3306.0 | 100.0     |
| 0°-180°   | 3306.0 | 100.0     |

**Coefficient of Utilization**



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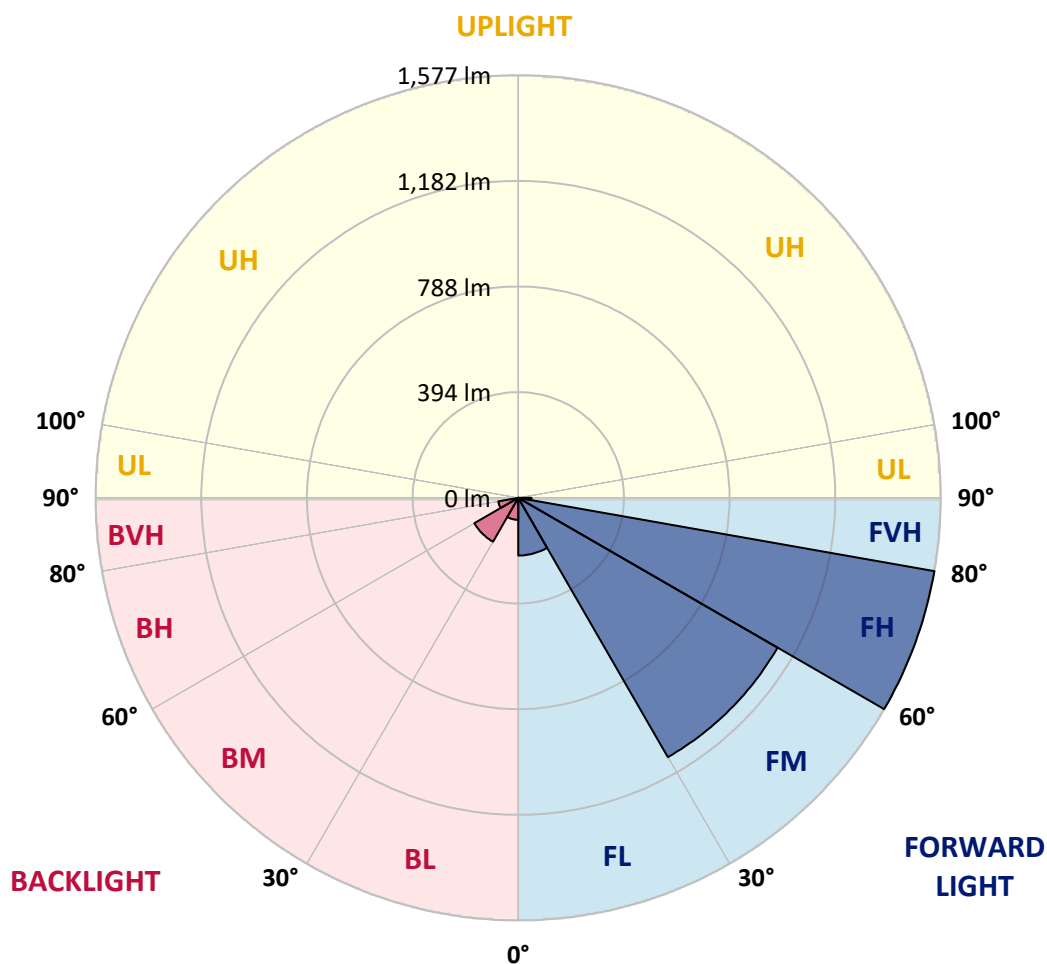
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 215.4  | 6.5       |                         |      |         |
| FM   | (30°-60°)   | 1116.9 | 33.8      |                         |      |         |
| FH   | (60°-80°)   | 1576.5 | 47.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 49.8   | 1.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 82.3   | 2.5       | B0/110                  |      |         |
| BM   | (30°-60°)   | 188.9  | 5.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 75.7   | 2.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.4    | 0.0       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 46°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  | 362.2  |
| 2.5°  | 395.6  | 396.3  | 395.8  | 393.1  | 388.6  | 386.1  | 384.7  | 380.2  | 377.3  | 372.1  |
| 5°    | 431.9  | 434.6  | 433.0  | 427.6  | 419.0  | 413.0  | 411.1  | 401.9  | 393.5  | 383.8  |
| 7.5°  | 470.5  | 471.8  | 468.9  | 461.9  | 450.4  | 440.0  | 438.5  | 425.6  | 412.3  | 397.4  |
| 10°   | 503.9  | 505.5  | 501.0  | 490.8  | 477.7  | 464.9  | 462.6  | 448.4  | 432.6  | 414.3  |
| 12.5° | 531.9  | 533.5  | 527.6  | 515.4  | 501.0  | 487.6  | 485.4  | 470.5  | 453.1  | 432.8  |
| 15°   | 553.1  | 556.0  | 548.1  | 535.0  | 519.5  | 506.1  | 505.0  | 490.4  | 473.4  | 450.9  |
| 17.5° | 565.5  | 568.4  | 561.0  | 545.2  | 531.9  | 520.6  | 519.2  | 507.1  | 491.3  | 469.6  |
| 20°   | 567.5  | 570.2  | 562.3  | 548.6  | 537.5  | 528.5  | 527.8  | 519.0  | 507.5  | 486.7  |
| 22.5° | 561.4  | 564.8  | 557.6  | 546.5  | 538.9  | 534.1  | 533.2  | 528.3  | 521.7  | 504.1  |
| 25°   | 555.1  | 557.8  | 552.4  | 542.7  | 538.6  | 538.2  | 538.9  | 538.0  | 536.6  | 521.7  |
| 27.5° | 554.7  | 557.6  | 551.5  | 542.3  | 540.0  | 544.7  | 545.4  | 549.7  | 550.8  | 537.7  |
| 30°   | 558.5  | 560.5  | 554.7  | 545.0  | 543.8  | 554.7  | 554.9  | 562.6  | 564.4  | 551.3  |
| 32.5° | 566.9  | 569.1  | 563.2  | 549.0  | 547.4  | 562.6  | 563.2  | 573.4  | 576.3  | 565.7  |
| 35°   | 586.5  | 589.2  | 582.4  | 560.3  | 554.7  | 570.0  | 572.0  | 584.0  | 589.9  | 581.1  |
| 37.5° | 635.4  | 627.6  | 618.3  | 583.1  | 571.1  | 581.7  | 585.1  | 599.1  | 609.5  | 599.3  |
| 40°   | 757.1  | 732.3  | 703.4  | 621.9  | 600.0  | 606.8  | 609.5  | 623.5  | 637.7  | 627.8  |
| 42.5° | 939.6  | 910.3  | 863.8  | 711.3  | 643.6  | 647.0  | 649.0  | 661.2  | 681.3  | 673.4  |
| 45°   | 1102.3 | 1091.7 | 1044.3 | 863.8  | 725.0  | 708.3  | 710.8  | 717.1  | 746.7  | 743.8  |
| 47.5° | 1227.3 | 1221.3 | 1184.7 | 1038.9 | 862.7  | 783.5  | 790.5  | 793.4  | 836.1  | 846.4  |
| 50°   | 1323.5 | 1321.2 | 1288.5 | 1194.6 | 1042.5 | 894.3  | 896.8  | 890.4  | 954.3  | 980.0  |
| 52.5° | 1414.2 | 1421.9 | 1397.7 | 1339.3 | 1234.6 | 1039.4 | 1038.9 | 1009.1 | 1095.3 | 1134.2 |
| 55°   | 1496.1 | 1498.8 | 1501.3 | 1486.9 | 1427.7 | 1204.6 | 1200.3 | 1151.5 | 1258.9 | 1299.1 |
| 57.5° | 1573.1 | 1574.2 | 1596.3 | 1625.9 | 1628.8 | 1381.9 | 1374.0 | 1315.6 | 1437.7 | 1466.3 |
| 60°   | 1624.7 | 1629.9 | 1676.6 | 1758.8 | 1794.6 | 1564.9 | 1560.6 | 1501.1 | 1619.5 | 1632.9 |
| 62.5° | 1550.3 | 1581.9 | 1699.6 | 1862.6 | 1951.3 | 1767.8 | 1765.8 | 1709.8 | 1810.9 | 1800.1 |
| 65°   | 1254.9 | 1308.4 | 1515.5 | 1932.8 | 2104.9 | 1994.4 | 1997.3 | 1937.7 | 2007.4 | 1972.2 |
| 67.5° | 877.8  | 934.2  | 1179.3 | 1938.4 | 2276.7 | 2260.4 | 2277.3 | 2183.9 | 2216.2 | 2137.2 |
| 70°   | 607.0  | 636.1  | 795.7  | 1817.0 | 2410.5 | 2626.9 | 2626.4 | 2486.3 | 2423.8 | 2212.3 |
| 72.5° | 408.2  | 423.3  | 516.8  | 1441.5 | 2312.1 | 2844.6 | 2831.5 | 2717.4 | 2493.7 | 2069.0 |
| 75°   | 172.2  | 183.2  | 239.2  | 810.1  | 1829.2 | 2602.5 | 2567.1 | 2401.4 | 2215.7 | 1629.2 |
| 77.5° | 54.6   | 59.3   | 94.3   | 290.0  | 1007.6 | 1956.2 | 1918.8 | 1499.7 | 1485.0 | 817.3  |
| 80°   | 26.0   | 30.2   | 53.0   | 116.4  | 396.5  | 1064.0 | 1058.8 | 680.4  | 638.8  | 220.7  |
| 82.5° | 11.3   | 13.3   | 29.3   | 62.3   | 177.4  | 379.6  | 387.2  | 231.5  | 191.6  | 83.7   |
| 85°   | 3.6    | 4.7    | 13.5   | 28.7   | 74.9   | 94.3   | 93.2   | 55.1   | 77.2   | 45.6   |
| 87.5° | 0.0    | 0.0    | 4.5    | 6.5    | 7.7    | 5.4    | 6.1    | 4.7    | 21.4   | 12.6   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 362.2  | 0°    | 362.2  | 362.2  | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 | 362.2 |
| 366.7  | 2.5°  | 364.0  | 360.4  | 354.1 | 348.2 | 343.0 | 337.8 | 334.6 | 330.1 | 329.7 | 329.7 |
| 372.6  | 5°    | 366.5  | 360.6  | 349.3 | 337.4 | 323.6 | 310.5 | 297.4 | 284.8 | 280.7 | 277.8 |
| 382.0  | 7.5°  | 373.7  | 364.4  | 346.6 | 323.8 | 297.6 | 269.0 | 248.9 | 227.2 | 218.9 | 214.4 |
| 394.7  | 10°   | 384.1  | 371.4  | 344.4 | 304.4 | 262.0 | 222.9 | 194.3 | 170.8 | 161.8 | 158.0 |
| 408.4  | 12.5° | 395.6  | 380.0  | 340.3 | 280.3 | 222.9 | 176.2 | 148.3 | 137.4 | 136.1 | 136.1 |
| 424.9  | 15°   | 409.3  | 390.4  | 333.3 | 251.8 | 182.1 | 139.5 | 129.5 | 130.0 | 131.3 | 132.2 |
| 440.9  | 17.5° | 423.6  | 401.4  | 322.2 | 220.0 | 146.0 | 125.5 | 125.7 | 126.4 | 127.5 | 128.4 |
| 458.3  | 20°   | 438.9  | 412.5  | 307.6 | 186.2 | 125.2 | 121.4 | 122.1 | 122.8 | 123.7 | 124.1 |
| 474.6  | 22.5° | 455.4  | 422.9  | 290.2 | 153.0 | 118.2 | 118.0 | 118.2 | 118.9 | 120.0 | 120.0 |
| 493.5  | 25°   | 473.0  | 434.4  | 270.3 | 128.9 | 114.6 | 114.6 | 115.1 | 115.5 | 116.4 | 116.4 |
| 511.8  | 27.5° | 491.0  | 445.0  | 249.4 | 116.2 | 111.5 | 111.2 | 111.2 | 111.9 | 112.4 | 112.6 |
| 529.8  | 30°   | 510.9  | 457.4  | 228.4 | 113.5 | 109.0 | 107.9 | 107.2 | 107.6 | 108.1 | 108.3 |
| 548.8  | 32.5° | 531.2  | 469.4  | 209.6 | 114.6 | 106.5 | 104.5 | 102.2 | 101.8 | 101.8 | 102.7 |
| 568.4  | 35°   | 553.8  | 482.5  | 195.2 | 118.5 | 105.2 | 99.5  | 95.9  | 93.9  | 94.1  | 95.5  |
| 591.9  | 37.5° | 580.8  | 498.3  | 184.6 | 121.9 | 104.3 | 93.9  | 88.0  | 85.5  | 83.9  | 85.5  |
| 624.2  | 40°   | 616.3  | 521.5  | 176.9 | 124.6 | 103.1 | 87.3  | 79.4  | 75.4  | 72.4  | 73.3  |
| 674.3  | 42.5° | 668.4  | 558.0  | 174.0 | 124.8 | 100.6 | 79.7  | 70.6  | 65.2  | 60.9  | 61.2  |
| 749.6  | 45°   | 741.5  | 615.8  | 189.1 | 121.9 | 95.2  | 71.3  | 61.4  | 54.2  | 51.4  | 50.8  |
| 862.2  | 47.5° | 841.7  | 700.0  | 224.1 | 115.8 | 87.3  | 63.2  | 52.4  | 46.3  | 44.2  | 43.1  |
| 1010.0 | 50°   | 976.0  | 808.1  | 262.9 | 109.0 | 79.4  | 55.5  | 44.9  | 41.1  | 39.7  | 38.6  |
| 1185.4 | 52.5° | 1131.7 | 917.7  | 294.7 | 102.2 | 71.5  | 48.7  | 40.2  | 37.9  | 36.8  | 35.9  |
| 1354.6 | 55°   | 1274.5 | 993.3  | 292.9 | 95.0  | 63.9  | 43.3  | 36.8  | 35.4  | 34.1  | 33.2  |
| 1500.4 | 57.5° | 1363.4 | 1003.9 | 241.5 | 87.1  | 55.1  | 39.0  | 33.6  | 32.7  | 31.1  | 30.0  |
| 1626.5 | 60°   | 1404.3 | 943.5  | 169.2 | 76.7  | 46.3  | 35.0  | 30.2  | 29.8  | 27.8  | 26.2  |
| 1745.9 | 62.5° | 1411.7 | 831.1  | 112.8 | 63.9  | 38.6  | 31.1  | 26.9  | 26.2  | 23.5  | 20.8  |
| 1842.9 | 65°   | 1381.5 | 670.4  | 78.1  | 49.9  | 32.9  | 27.1  | 23.0  | 21.7  | 18.7  | 16.0  |
| 1866.0 | 67.5° | 1285.8 | 470.7  | 54.4  | 35.9  | 28.0  | 21.4  | 18.3  | 17.8  | 15.6  | 13.3  |
| 1748.6 | 70°   | 1110.5 | 268.3  | 36.3  | 26.9  | 22.1  | 14.7  | 14.4  | 14.9  | 12.6  | 10.8  |
| 1428.6 | 72.5° | 851.4  | 122.8  | 22.6  | 19.6  | 15.1  | 9.9   | 11.5  | 11.7  | 9.7   | 8.1   |
| 891.3  | 75°   | 501.2  | 52.6   | 14.2  | 12.6  | 7.7   | 6.5   | 8.3   | 8.6   | 6.5   | 5.2   |
| 325.8  | 77.5° | 170.6  | 19.9   | 9.0   | 7.4   | 3.8   | 3.6   | 5.4   | 5.4   | 3.6   | 2.0   |
| 65.4   | 80°   | 38.8   | 7.4    | 4.5   | 2.9   | 1.8   | 1.6   | 1.8   | 1.6   | 0.9   | 0.2   |
| 20.1   | 82.5° | 11.1   | 2.9    | 1.8   | 1.1   | 0.7   | 0.7   | 0.2   | 0.0   | 0.0   | 0.0   |
| 7.0    | 85°   | 3.2    | 1.4    | 0.5   | 0.5   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 2.5    | 87.5° | 1.4    | 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°  |
|-------|
| 362.2 |
| 330.8 |
| 279.1 |
| 215.1 |
| 158.0 |
| 136.1 |
| 132.2 |
| 128.4 |
| 124.3 |
| 120.5 |
| 116.7 |
| 112.8 |
| 108.8 |
| 103.4 |
| 96.1  |
| 85.1  |
| 72.9  |
| 60.3  |
| 49.9  |
| 42.4  |
| 38.4  |
| 35.7  |
| 32.7  |
| 29.8  |
| 25.7  |
| 19.4  |
| 15.1  |
| 12.6  |
| 9.9   |
| 7.2   |
| 4.5   |
| 1.6   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |