

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: P938797

Luminaire Tested: **GLAN-SB1A-830-U-T3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938797  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-830-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4035 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - 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



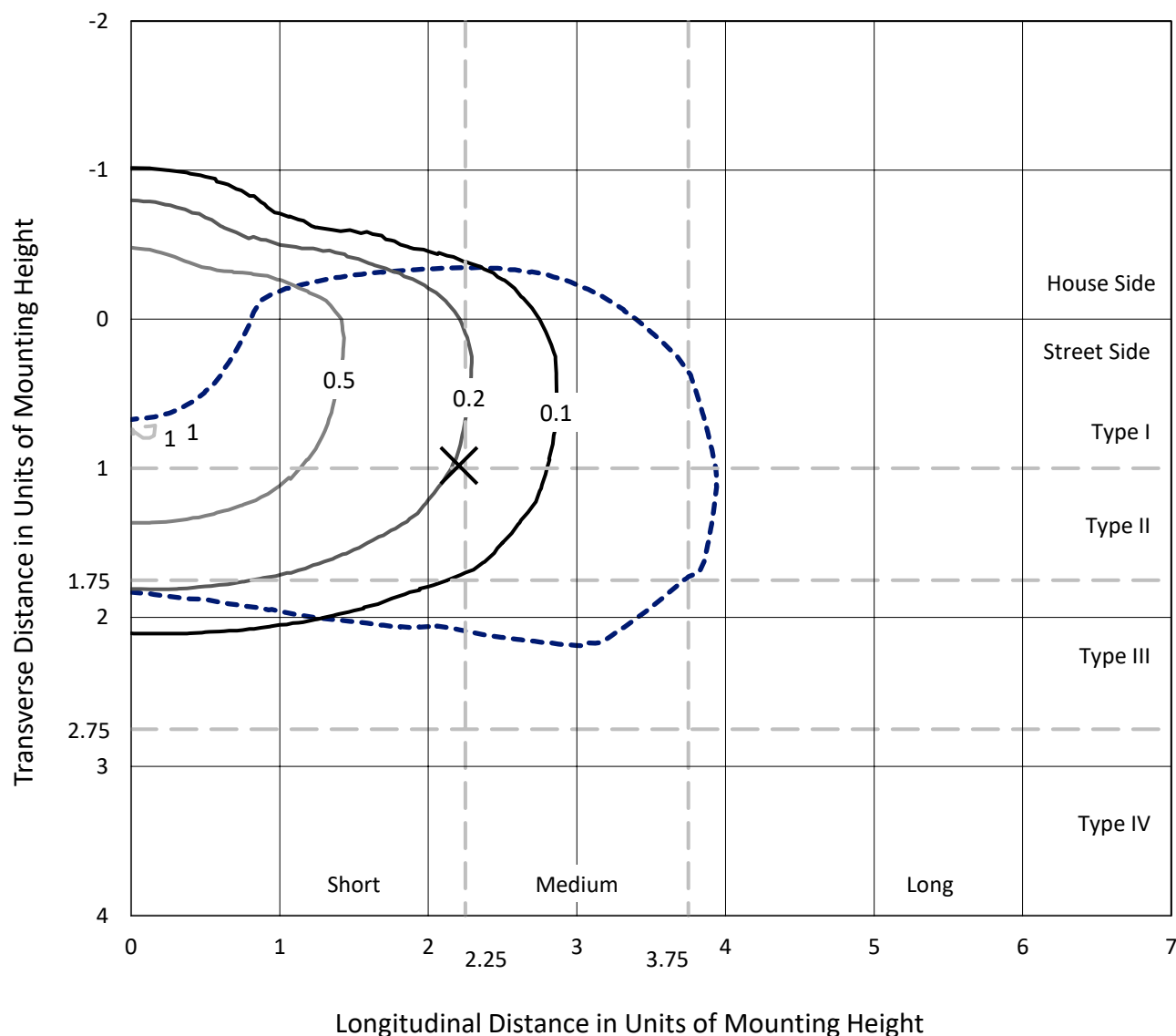
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



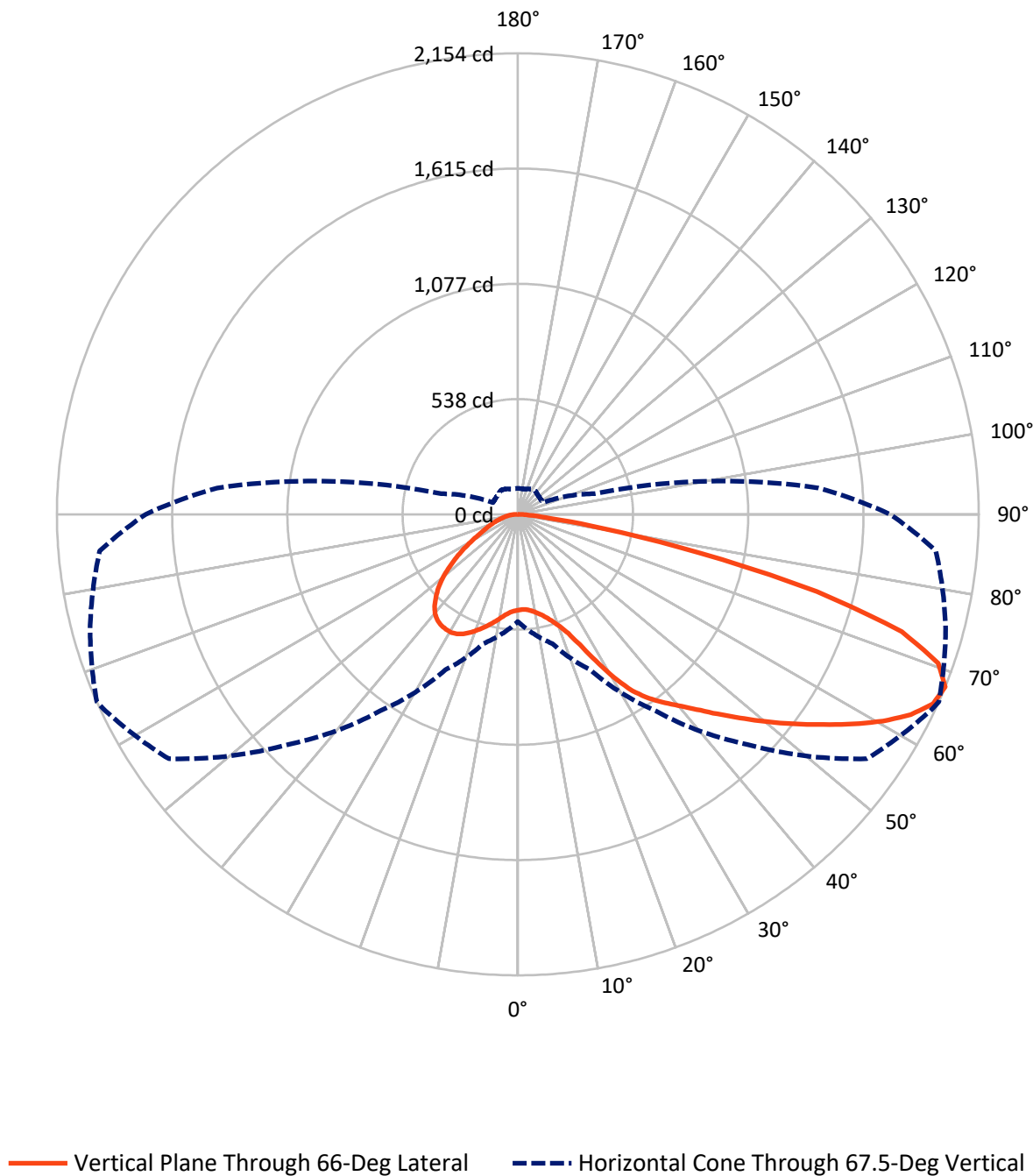
Based on 25 foot mounting height. Maximum calculated value = 1 fc

Type III - Short - N/A

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## Luminous Intensity Polar Plot



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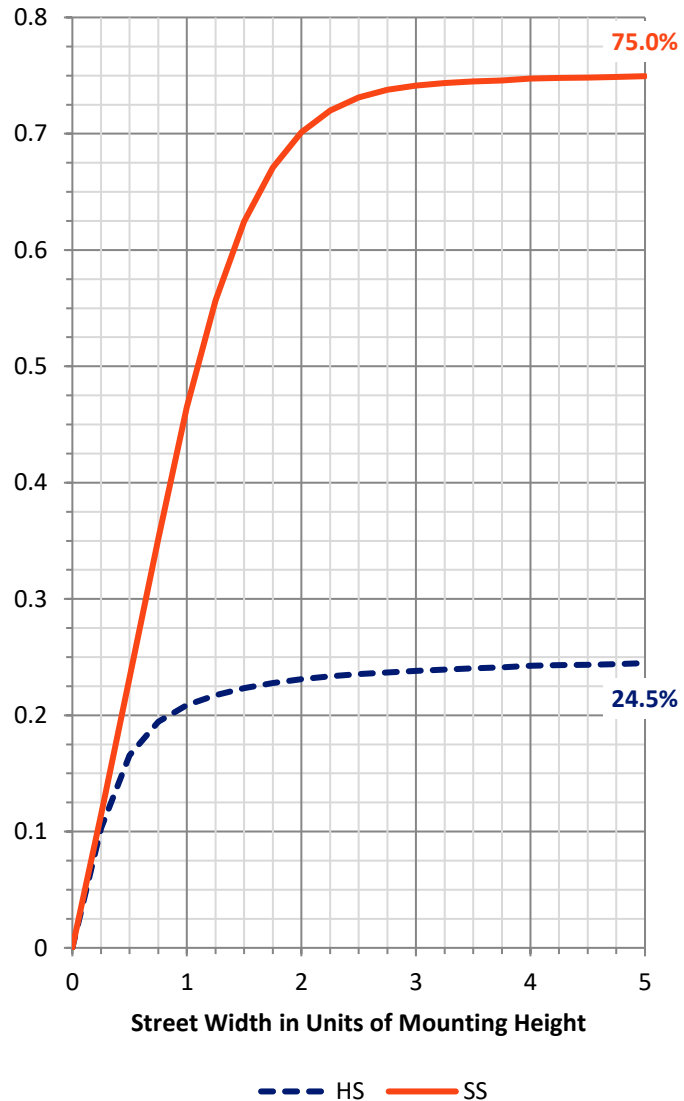
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1003.3   | 0.0    | 1003.3 |
|                    | % Fixture | 24.9     | 0.0    | 24.9   |
| <b>Street Side</b> | Lumens    | 3031.7   | 0.0    | 3031.7 |
|                    | % Fixture | 75.1     | 0.0    | 75.1   |
| <b>Total</b>       | Lumens    | 4035.0   | 0.0    | 4035.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 44.4   | 1.1       |
| 10°-20°   | 146.6  | 3.6       |
| 20°-30°   | 282.6  | 7.0       |
| 30°-40°   | 495.4  | 12.3      |
| 40°-50°   | 736.5  | 18.3      |
| 50°-60°   | 933.6  | 23.1      |
| 60°-70°   | 913.5  | 22.6      |
| 70°-80°   | 435.8  | 10.8      |
| 80°-90°   | 46.6   | 1.2       |
| 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°    | 4035.0 | 100.0     |
| 0°-180°   | 4035.0 | 100.0     |

**Coefficient of Utilization**



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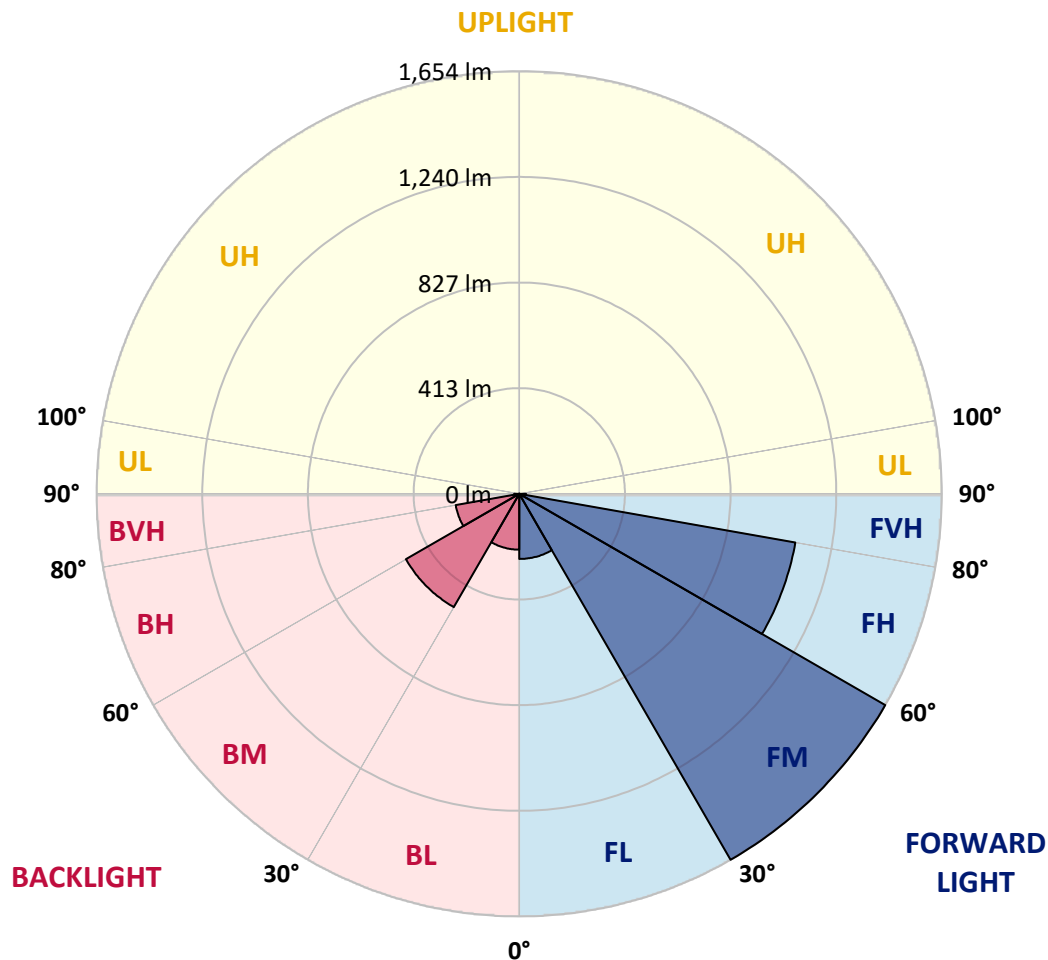
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 255.0  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 1653.5 | 41.0      |                         |      |         |
| FH   | (60°-80°)   | 1096.8 | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 26.4   | 0.7       |                         |      | G1/100  |
| BL   | (0°-30°)    | 218.6  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 512.1  | 12.7      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 252.5  | 6.3       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 20.2   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  | 447.5  |
| 2.5°  | 442.9  | 445.4  | 444.8  | 443.7  | 443.5  | 443.9  | 444.6  | 445.2  | 445.0  | 446.1  |
| 5°    | 441.6  | 444.1  | 443.9  | 443.9  | 444.8  | 446.5  | 447.5  | 448.6  | 447.5  | 448.8  |
| 7.5°  | 442.4  | 444.4  | 445.2  | 446.1  | 448.2  | 451.4  | 453.9  | 456.2  | 455.0  | 456.4  |
| 10°   | 453.3  | 454.7  | 455.6  | 455.6  | 457.1  | 460.7  | 463.2  | 467.5  | 466.4  | 468.7  |
| 12.5° | 473.0  | 474.5  | 474.5  | 473.6  | 474.7  | 477.0  | 477.9  | 482.5  | 480.6  | 484.4  |
| 15°   | 497.1  | 500.1  | 497.8  | 496.3  | 496.7  | 499.1  | 498.8  | 502.4  | 500.5  | 503.7  |
| 17.5° | 523.9  | 527.7  | 523.9  | 523.6  | 522.8  | 525.3  | 525.6  | 528.7  | 525.3  | 527.7  |
| 20°   | 555.4  | 560.7  | 557.6  | 558.6  | 556.7  | 557.8  | 558.8  | 563.5  | 558.2  | 559.9  |
| 22.5° | 600.0  | 606.3  | 602.9  | 607.0  | 605.7  | 604.8  | 604.6  | 612.9  | 604.6  | 605.3  |
| 25°   | 664.8  | 672.5  | 666.5  | 672.0  | 672.0  | 674.8  | 678.0  | 688.6  | 674.8  | 670.8  |
| 27.5° | 760.7  | 768.3  | 756.6  | 760.0  | 759.0  | 765.7  | 762.4  | 788.6  | 773.8  | 767.2  |
| 30°   | 876.0  | 889.6  | 867.5  | 866.7  | 865.6  | 876.4  | 881.3  | 898.7  | 883.6  | 877.0  |
| 32.5° | 1000.6 | 1014.9 | 988.6  | 980.9  | 976.9  | 983.5  | 979.4  | 993.4  | 983.1  | 972.9  |
| 35°   | 1132.5 | 1146.5 | 1121.5 | 1106.6 | 1090.5 | 1076.8 | 1062.3 | 1065.9 | 1056.2 | 1040.7 |
| 37.5° | 1257.2 | 1282.8 | 1256.3 | 1240.4 | 1210.7 | 1183.8 | 1143.5 | 1126.8 | 1117.7 | 1103.5 |
| 40°   | 1384.2 | 1398.8 | 1378.6 | 1365.1 | 1332.9 | 1290.7 | 1226.2 | 1190.8 | 1178.5 | 1164.7 |
| 42.5° | 1477.6 | 1491.6 | 1480.8 | 1471.5 | 1446.3 | 1397.3 | 1314.0 | 1269.7 | 1251.9 | 1236.4 |
| 45°   | 1551.8 | 1562.2 | 1555.5 | 1558.8 | 1548.0 | 1500.5 | 1404.9 | 1354.3 | 1335.8 | 1317.0 |
| 47.5° | 1581.7 | 1592.8 | 1603.6 | 1623.7 | 1642.2 | 1607.2 | 1502.7 | 1445.8 | 1426.3 | 1407.1 |
| 50°   | 1578.3 | 1589.6 | 1621.0 | 1663.8 | 1721.0 | 1709.4 | 1605.7 | 1543.4 | 1525.3 | 1503.3 |
| 52.5° | 1551.2 | 1563.9 | 1604.2 | 1675.4 | 1766.6 | 1785.9 | 1710.6 | 1644.1 | 1627.1 | 1600.8 |
| 55°   | 1480.0 | 1487.6 | 1548.0 | 1648.9 | 1777.4 | 1839.3 | 1813.5 | 1751.3 | 1734.4 | 1697.7 |
| 57.5° | 1347.9 | 1358.9 | 1446.9 | 1577.5 | 1750.3 | 1875.6 | 1903.8 | 1864.1 | 1847.8 | 1795.0 |
| 60°   | 1175.5 | 1193.1 | 1293.8 | 1457.5 | 1681.2 | 1875.4 | 1985.8 | 1975.0 | 1961.4 | 1890.8 |
| 62.5° | 980.5  | 1000.9 | 1097.7 | 1287.9 | 1560.3 | 1822.2 | 2037.1 | 2067.9 | 2060.9 | 1979.2 |
| 65°   | 753.0  | 767.0  | 863.5  | 1068.5 | 1372.3 | 1707.9 | 2043.1 | 2131.2 | 2132.5 | 2046.4 |
| 67.5° | 501.4  | 541.7  | 625.4  | 801.8  | 1120.4 | 1521.1 | 1990.9 | 2141.6 | 2153.9 | 2069.6 |
| 70°   | 244.6  | 297.6  | 379.7  | 521.1  | 801.8  | 1234.7 | 1854.6 | 2056.4 | 2083.8 | 2002.1 |
| 72.5° | 101.5  | 118.7  | 163.5  | 257.2  | 460.3  | 833.2  | 1580.7 | 1825.3 | 1876.0 | 1774.0 |
| 75°   | 68.5   | 74.2   | 93.5   | 131.9  | 209.7  | 410.9  | 1139.9 | 1361.0 | 1442.7 | 1339.8 |
| 77.5° | 52.8   | 56.4   | 68.1   | 92.2   | 124.7  | 155.4  | 610.1  | 820.2  | 862.4  | 798.4  |
| 80°   | 41.6   | 44.3   | 50.9   | 67.2   | 88.4   | 83.1   | 208.0  | 371.6  | 396.0  | 332.2  |
| 82.5° | 36.0   | 37.1   | 36.5   | 45.6   | 58.7   | 48.5   | 68.3   | 137.2  | 151.4  | 109.8  |
| 85°   | 26.1   | 29.0   | 30.3   | 28.2   | 31.2   | 24.6   | 28.0   | 48.5   | 53.4   | 47.7   |
| 87.5° | 10.6   | 15.7   | 19.3   | 18.2   | 11.4   | 7.0    | 8.7    | 14.2   | 16.3   | 17.8   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 447.5  | 0°    | 447.5  | 447.5  | 447.5 | 447.5 | 447.5 | 447.5 | 447.5 | 447.5 | 447.5 | 447.5 |
| 447.7  | 2.5°  | 448.0  | 449.4  | 450.5 | 451.8 | 452.6 | 453.9 | 456.4 | 457.9 | 458.1 | 459.2 |
| 451.1  | 5°    | 452.0  | 454.1  | 456.4 | 459.8 | 463.6 | 466.8 | 471.7 | 475.1 | 476.4 | 477.4 |
| 459.4  | 7.5°  | 460.7  | 463.6  | 467.9 | 473.8 | 479.3 | 483.6 | 489.5 | 493.5 | 497.6 | 499.1 |
| 472.6  | 10°   | 473.6  | 477.9  | 484.0 | 492.1 | 498.0 | 503.5 | 509.7 | 513.0 | 517.1 | 518.8 |
| 488.2  | 12.5° | 489.7  | 494.2  | 502.2 | 513.5 | 519.0 | 522.8 | 524.9 | 524.1 | 524.9 | 526.4 |
| 507.1  | 15°   | 508.2  | 513.0  | 522.2 | 534.2 | 538.1 | 534.7 | 530.0 | 525.8 | 525.1 | 525.6 |
| 530.0  | 17.5° | 530.0  | 533.6  | 544.2 | 554.4 | 551.6 | 537.6 | 527.5 | 520.7 | 517.3 | 516.2 |
| 559.3  | 20°   | 560.5  | 560.5  | 569.2 | 575.6 | 557.1 | 533.4 | 517.5 | 506.5 | 499.5 | 496.5 |
| 599.1  | 22.5° | 597.6  | 594.2  | 599.8 | 595.3 | 556.1 | 521.5 | 499.5 | 480.4 | 469.8 | 465.6 |
| 654.9  | 25°   | 644.7  | 640.7  | 639.2 | 611.6 | 548.4 | 502.7 | 466.8 | 443.7 | 434.4 | 432.1 |
| 735.2  | 27.5° | 715.7  | 705.5  | 686.2 | 620.5 | 534.5 | 473.0 | 428.7 | 407.3 | 402.0 | 402.2 |
| 838.5  | 30°   | 810.3  | 789.9  | 742.6 | 622.0 | 511.6 | 431.0 | 389.7 | 374.4 | 371.9 | 372.9 |
| 925.2  | 32.5° | 897.8  | 878.5  | 800.3 | 615.2 | 476.4 | 389.9 | 354.7 | 344.5 | 340.7 | 342.0 |
| 991.3  | 35°   | 966.5  | 961.2  | 853.7 | 605.7 | 433.1 | 351.3 | 323.3 | 314.6 | 307.2 | 305.5 |
| 1053.6 | 37.5° | 1031.4 | 1029.3 | 893.8 | 592.3 | 390.3 | 323.9 | 298.1 | 286.6 | 275.8 | 269.9 |
| 1122.5 | 40°   | 1102.6 | 1100.5 | 920.1 | 571.8 | 352.3 | 300.2 | 275.4 | 260.3 | 247.0 | 236.2 |
| 1200.6 | 42.5° | 1182.8 | 1170.2 | 932.6 | 542.3 | 320.1 | 280.1 | 256.9 | 236.6 | 219.0 | 209.0 |
| 1288.8 | 45°   | 1270.3 | 1242.1 | 932.4 | 504.8 | 293.0 | 261.6 | 237.2 | 208.4 | 192.1 | 182.7 |
| 1379.3 | 47.5° | 1363.2 | 1310.8 | 920.9 | 463.2 | 266.7 | 241.3 | 206.7 | 184.7 | 173.8 | 168.1 |
| 1477.6 | 50°   | 1459.0 | 1375.0 | 901.4 | 415.5 | 239.8 | 218.1 | 187.6 | 172.6 | 164.3 | 159.0 |
| 1575.2 | 52.5° | 1549.1 | 1433.3 | 877.9 | 361.5 | 212.4 | 195.7 | 179.1 | 167.5 | 158.8 | 152.9 |
| 1669.7 | 55°   | 1632.8 | 1483.6 | 844.6 | 306.1 | 190.2 | 180.6 | 175.1 | 165.4 | 155.4 | 148.4 |
| 1765.8 | 57.5° | 1707.2 | 1516.2 | 787.2 | 254.2 | 174.3 | 170.2 | 170.9 | 161.8 | 150.3 | 144.4 |
| 1860.3 | 60°   | 1769.2 | 1540.2 | 702.1 | 206.1 | 161.3 | 160.1 | 164.3 | 155.0 | 141.6 | 134.8 |
| 1940.2 | 62.5° | 1806.3 | 1539.8 | 597.8 | 168.8 | 150.3 | 150.7 | 155.6 | 146.5 | 132.9 | 126.6 |
| 1982.0 | 65°   | 1803.1 | 1502.0 | 483.4 | 144.4 | 139.7 | 140.1 | 146.5 | 137.2 | 125.7 | 121.9 |
| 1961.0 | 67.5° | 1739.3 | 1410.0 | 370.8 | 128.5 | 128.0 | 130.0 | 137.4 | 130.8 | 121.3 | 120.8 |
| 1835.9 | 70°   | 1566.5 | 1219.0 | 267.1 | 115.8 | 116.0 | 118.7 | 128.5 | 126.8 | 118.9 | 119.8 |
| 1543.6 | 72.5° | 1256.1 | 929.4  | 179.4 | 102.4 | 102.6 | 107.1 | 120.0 | 123.6 | 116.6 | 127.8 |
| 1095.2 | 75°   | 836.6  | 579.6  | 115.3 | 88.2  | 88.4  | 94.1  | 112.6 | 117.4 | 110.2 | 127.4 |
| 569.9  | 77.5° | 402.0  | 260.5  | 83.5  | 74.2  | 74.2  | 79.5  | 97.3  | 105.2 | 93.9  | 99.0  |
| 183.2  | 80°   | 138.9  | 97.9   | 65.7  | 59.8  | 58.5  | 62.1  | 82.0  | 91.2  | 81.0  | 74.6  |
| 59.8   | 82.5° | 54.7   | 50.9   | 52.8  | 46.4  | 42.2  | 44.5  | 63.8  | 75.3  | 59.6  | 53.8  |
| 33.7   | 85°   | 31.4   | 33.1   | 37.3  | 30.7  | 24.4  | 27.3  | 46.9  | 54.1  | 44.9  | 39.6  |
| 11.0   | 87.5° | 8.5    | 11.7   | 17.2  | 15.9  | 11.0  | 11.7  | 22.3  | 29.9  | 25.9  | 19.9  |
| 0.0    | 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END O



| 180°  |
|-------|
| 447.5 |
| 459.0 |
| 477.2 |
| 499.3 |
| 519.6 |
| 526.8 |
| 527.0 |
| 517.7 |
| 495.9 |
| 464.9 |
| 432.5 |
| 402.8 |
| 376.5 |
| 343.7 |
| 306.8 |
| 270.1 |
| 237.2 |
| 209.7 |
| 182.3 |
| 166.8 |
| 157.1 |
| 150.3 |
| 145.6 |
| 140.6 |
| 131.9 |
| 124.7 |
| 121.7 |
| 121.5 |
| 119.6 |
| 129.5 |
| 128.5 |
| 90.7  |
| 70.0  |
| 53.6  |
| 40.5  |
| 20.6  |
| 0.0   |