

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: P939002

Luminaire Tested: **GLAN-SB1B-927-U-SL4**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939002  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3399 lumens  
Efficiency: N/A  
Efficacy: 85.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

Input Watts (W): 39.8  
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



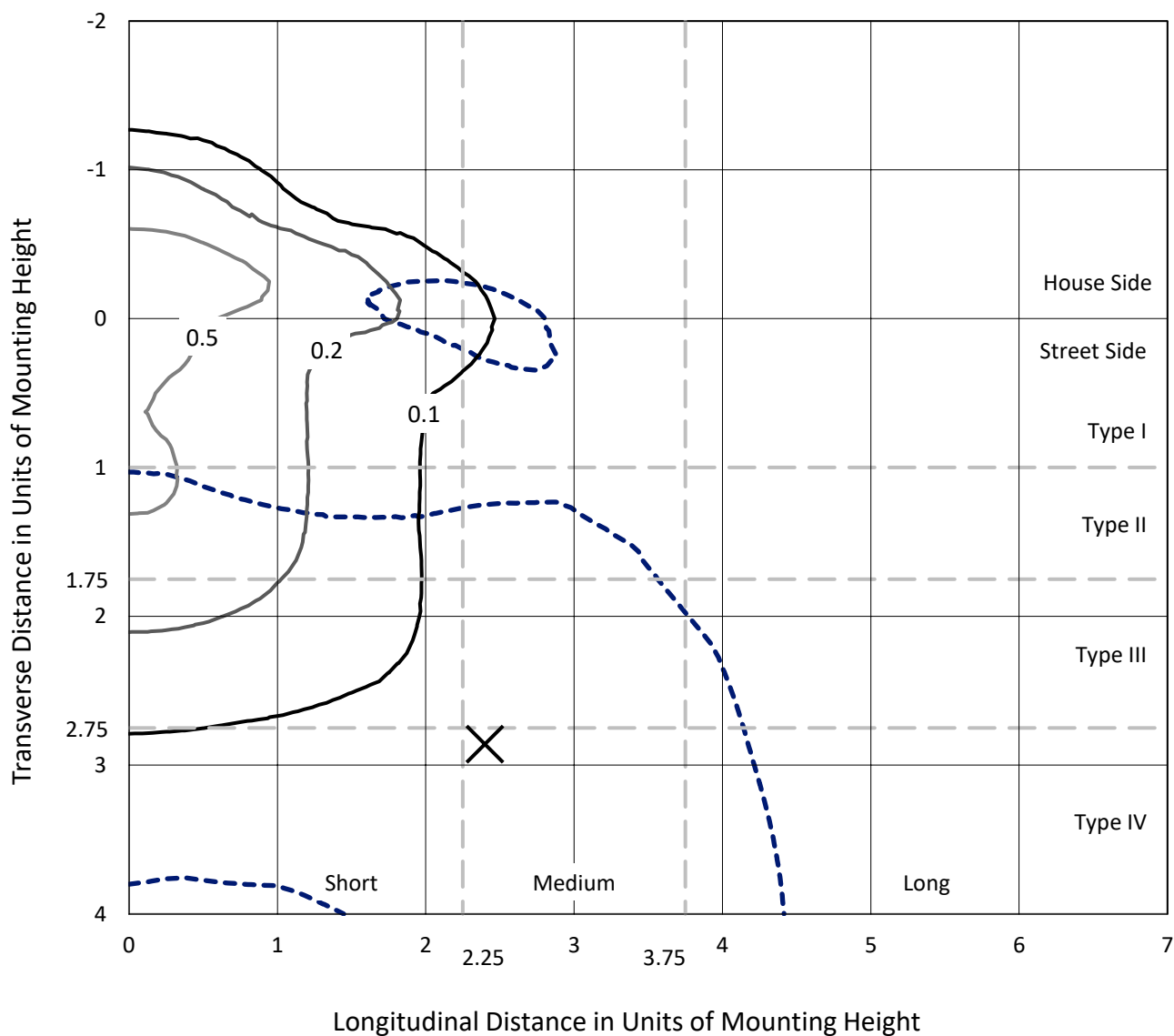
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## Iso-Footcandle Lines of Horizontal Illumination

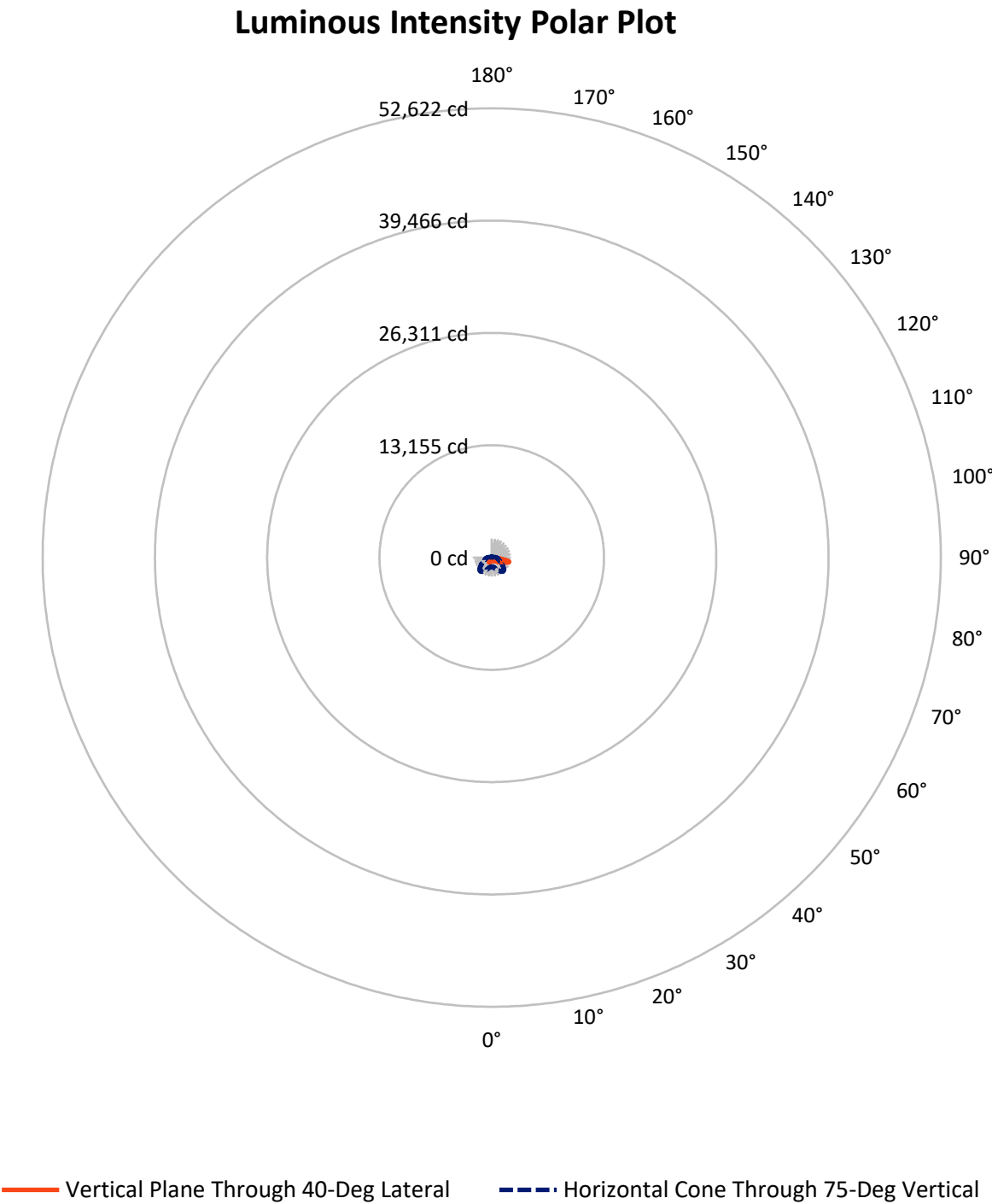
× Max cd

--- 1/2 Max cd



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

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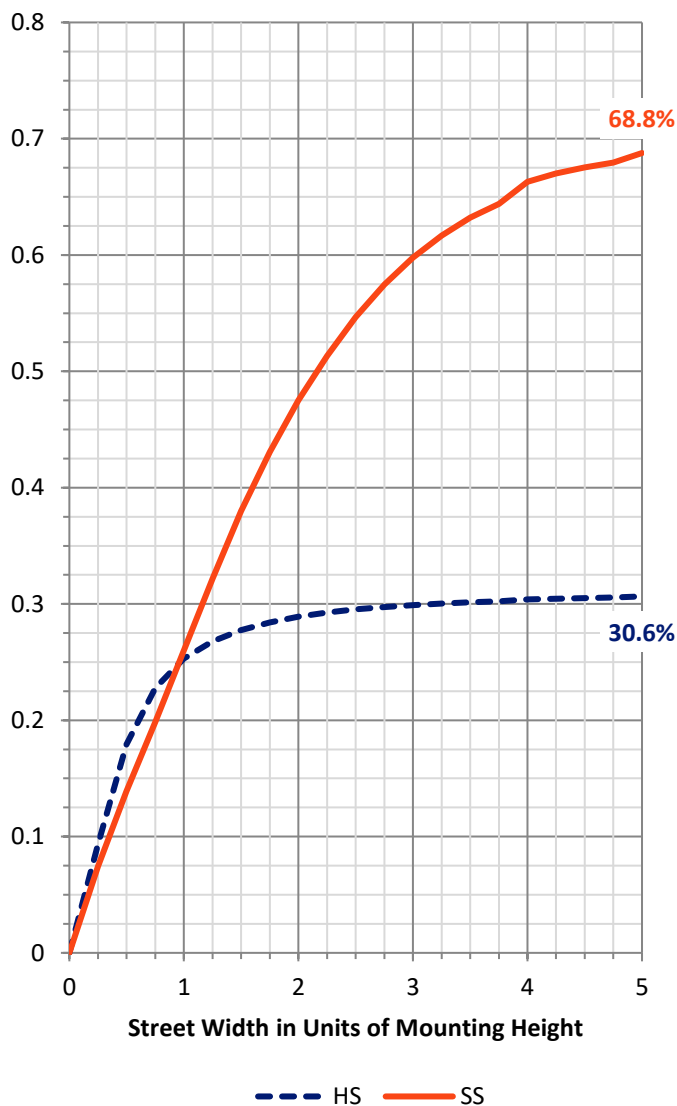
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1053.1   | 0.0    | 1053.1 |
|                    | % Fixture | 31.0     | 0.0    | 31.0   |
| <b>Street Side</b> | Lumens    | 2345.9   | 0.0    | 2345.9 |
|                    | % Fixture | 69.0     | 0.0    | 69.0   |
| <b>Total</b>       | Lumens    | 3399.0   | 0.0    | 3399.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 38.8   | 1.1       |
| 10°-20°   | 130.3  | 3.8       |
| 20°-30°   | 237.8  | 7.0       |
| 30°-40°   | 337.3  | 9.9       |
| 40°-50°   | 455.5  | 13.4      |
| 50°-60°   | 612.8  | 18.0      |
| 60°-70°   | 777.7  | 22.9      |
| 70°-80°   | 705.9  | 20.8      |
| 80°-90°   | 102.9  | 3.0       |
| 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°    | 3399.0 | 100.0     |
| 0°-180°   | 3399.0 | 100.0     |

**Coefficient of Utilization**



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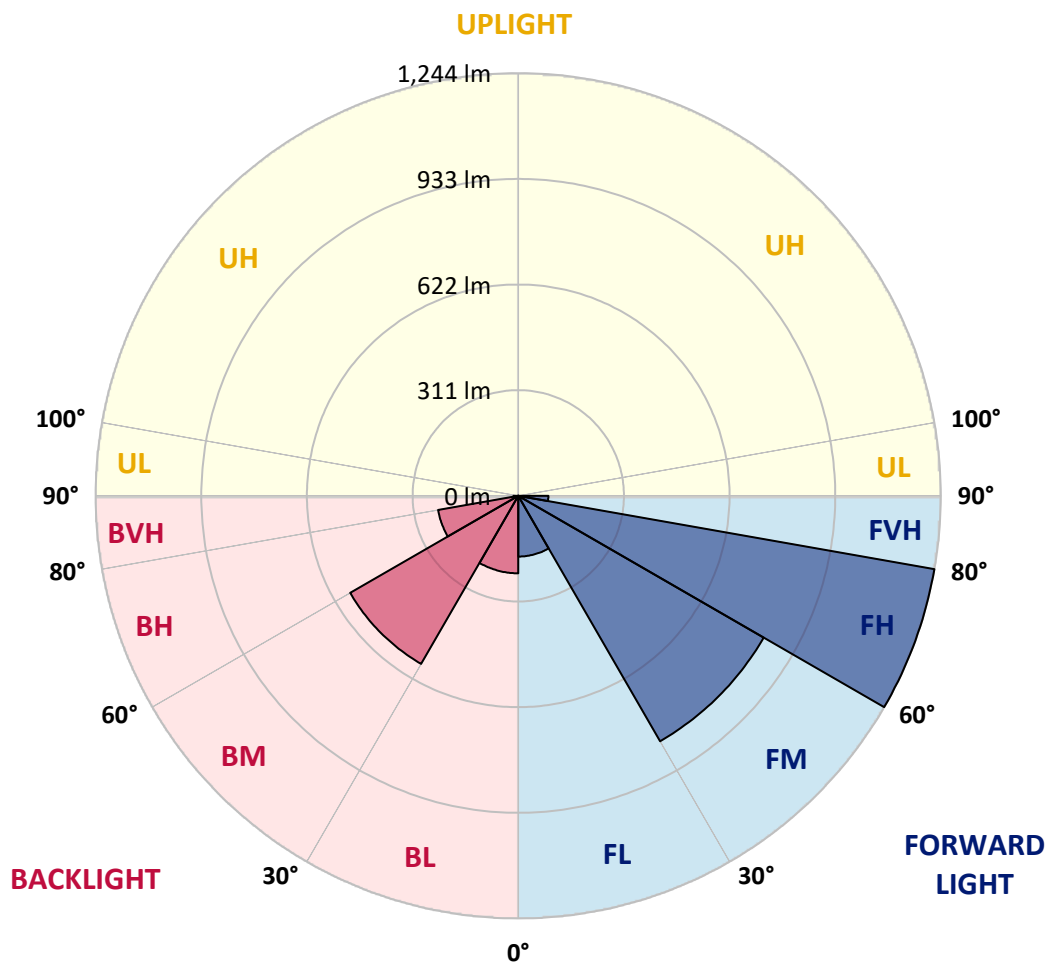
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 178.8  | 5.3       |                         |      |         |
| FM   | (30°-60°)   | 834.4  | 24.5      |                         |      |         |
| FH   | (60°-80°)   | 1244.0 | 36.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 88.7   | 2.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 228.1  | 6.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 571.2  | 16.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 239.6  | 7.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 14.2   | 0.4       |                         |      | 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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 388.7  | 388.7  | 388.7  | 388.7  | 388.7  | 388.7  | 388.7  | 388.7  | 388.7  | 388.7 |
| 2.5°  | 382.7  | 384.9  | 384.4  | 383.6  | 383.6  | 383.8  | 383.6  | 384.9  | 386.2  | 387.4 |
| 5°    | 386.7  | 388.9  | 387.8  | 386.9  | 386.2  | 386.0  | 385.4  | 385.3  | 386.0  | 387.6 |
| 7.5°  | 394.4  | 396.6  | 395.0  | 393.4  | 391.9  | 391.2  | 390.5  | 389.4  | 388.9  | 389.8 |
| 10°   | 403.1  | 405.3  | 403.3  | 400.4  | 398.1  | 397.2  | 396.4  | 395.4  | 394.6  | 395.2 |
| 12.5° | 411.8  | 413.9  | 411.2  | 407.2  | 404.2  | 403.6  | 402.7  | 402.4  | 402.2  | 402.0 |
| 15°   | 419.9  | 421.7  | 418.2  | 413.6  | 410.3  | 409.4  | 408.5  | 409.1  | 410.0  | 411.0 |
| 17.5° | 426.2  | 428.0  | 422.9  | 416.8  | 413.7  | 413.4  | 412.8  | 414.6  | 417.2  | 419.9 |
| 20°   | 431.9  | 433.7  | 427.3  | 419.0  | 415.4  | 415.4  | 415.5  | 419.3  | 422.9  | 426.9 |
| 22.5° | 440.1  | 441.5  | 433.6  | 422.2  | 417.0  | 417.3  | 418.8  | 422.6  | 427.1  | 432.5 |
| 25°   | 452.1  | 453.2  | 443.5  | 428.3  | 422.4  | 423.5  | 424.7  | 426.5  | 430.9  | 437.2 |
| 27.5° | 471.6  | 472.5  | 459.7  | 439.2  | 430.1  | 431.9  | 433.7  | 432.5  | 434.5  | 439.9 |
| 30°   | 499.0  | 499.6  | 483.3  | 456.1  | 443.3  | 444.2  | 444.6  | 439.3  | 435.6  | 439.9 |
| 32.5° | 531.5  | 531.3  | 512.0  | 476.7  | 458.3  | 457.4  | 454.3  | 444.0  | 435.2  | 439.0 |
| 35°   | 581.8  | 579.8  | 554.9  | 505.5  | 475.2  | 469.6  | 462.4  | 449.3  | 437.0  | 438.1 |
| 37.5° | 665.0  | 658.9  | 624.5  | 552.7  | 500.5  | 486.2  | 475.6  | 457.7  | 441.0  | 437.7 |
| 40°   | 759.0  | 751.2  | 713.4  | 617.5  | 538.3  | 515.4  | 498.3  | 469.8  | 447.5  | 439.3 |
| 42.5° | 870.4  | 859.4  | 818.6  | 693.7  | 586.3  | 553.1  | 527.3  | 485.1  | 457.0  | 444.6 |
| 45°   | 1007.2 | 992.6  | 934.9  | 779.7  | 646.7  | 602.5  | 568.1  | 508.4  | 471.6  | 454.7 |
| 47.5° | 1145.5 | 1149.1 | 1067.1 | 878.1  | 719.1  | 663.4  | 619.1  | 543.4  | 492.9  | 470.9 |
| 50°   | 1292.4 | 1294.9 | 1198.5 | 987.2  | 801.3  | 732.3  | 676.4  | 582.5  | 522.4  | 494.0 |
| 52.5° | 1407.1 | 1407.4 | 1317.8 | 1101.3 | 887.0  | 808.0  | 738.2  | 627.2  | 556.7  | 524.6 |
| 55°   | 1478.8 | 1477.9 | 1401.5 | 1209.3 | 985.4  | 887.5  | 806.7  | 678.0  | 598.5  | 560.7 |
| 57.5° | 1530.9 | 1528.2 | 1459.2 | 1302.2 | 1090.3 | 981.4  | 884.3  | 735.7  | 647.9  | 603.6 |
| 60°   | 1550.8 | 1549.1 | 1498.3 | 1382.4 | 1200.7 | 1085.3 | 973.7  | 800.3  | 704.0  | 654.2 |
| 62.5° | 1558.3 | 1561.4 | 1536.7 | 1460.1 | 1318.7 | 1200.3 | 1071.9 | 877.4  | 767.1  | 711.6 |
| 65°   | 1585.0 | 1590.6 | 1585.5 | 1561.8 | 1452.1 | 1335.0 | 1202.3 | 969.2  | 836.0  | 773.0 |
| 67.5° | 1637.8 | 1643.4 | 1645.6 | 1683.4 | 1615.1 | 1502.8 | 1364.9 | 1083.5 | 916.5  | 836.9 |
| 70°   | 1636.6 | 1634.9 | 1673.2 | 1780.2 | 1819.2 | 1735.2 | 1584.1 | 1224.1 | 1012.6 | 889.9 |
| 72.5° | 1489.6 | 1476.7 | 1567.0 | 1779.2 | 1989.0 | 1977.8 | 1851.8 | 1405.5 | 1095.6 | 896.3 |
| 75°   | 1117.5 | 1082.9 | 1242.5 | 1603.4 | 2017.3 | 2115.6 | 2022.0 | 1517.9 | 1075.9 | 792.0 |
| 77.5° | 477.9  | 443.1  | 631.2  | 1187.0 | 1805.5 | 1977.7 | 1865.9 | 1324.3 | 858.8  | 523.7 |
| 80°   | 125.1  | 124.9  | 190.7  | 538.1  | 1227.9 | 1460.4 | 1281.2 | 855.2  | 490.7  | 187.1 |
| 82.5° | 51.7   | 50.5   | 70.1   | 209.3  | 600.0  | 819.5  | 668.8  | 381.5  | 177.2  | 50.7  |
| 85°   | 19.3   | 19.1   | 34.1   | 72.3   | 211.6  | 338.0  | 244.6  | 97.5   | 44.2   | 24.7  |
| 87.5° | 5.4    | 5.2    | 7.4    | 25.1   | 51.6   | 78.2   | 41.8   | 16.0   | 12.4   | 9.7   |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 388.7  | 0°    | 388.7  | 388.7  | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 | 388.7 |
| 389.4  | 2.5°  | 389.9  | 390.8  | 392.5 | 393.7 | 395.4 | 397.2 | 399.7 | 401.3 | 402.9 | 404.0 |
| 390.3  | 5°    | 391.6  | 393.5  | 397.7 | 401.8 | 406.7 | 411.2 | 416.4 | 420.2 | 423.3 | 424.2 |
| 393.5  | 7.5°  | 395.2  | 398.4  | 405.4 | 412.5 | 420.2 | 427.6 | 435.2 | 441.7 | 446.9 | 448.9 |
| 399.3  | 10°   | 401.5  | 405.8  | 415.7 | 425.6 | 435.9 | 447.3 | 457.0 | 466.4 | 473.8 | 476.8 |
| 406.2  | 12.5° | 409.4  | 414.8  | 427.8 | 441.5 | 455.7 | 471.4 | 484.0 | 495.6 | 504.8 | 508.9 |
| 415.7  | 15°   | 419.7  | 426.7  | 443.3 | 461.7 | 482.6 | 504.4 | 520.5 | 533.3 | 543.5 | 548.6 |
| 425.6  | 17.5° | 430.9  | 440.2  | 461.2 | 488.9 | 518.8 | 547.5 | 566.3 | 575.6 | 586.3 | 591.1 |
| 434.8  | 20°   | 441.7  | 453.2  | 483.1 | 523.5 | 563.4 | 593.8 | 609.0 | 611.5 | 612.2 | 612.8 |
| 443.5  | 22.5° | 452.9  | 468.4  | 510.7 | 567.2 | 609.9 | 631.0 | 633.1 | 622.3 | 607.2 | 600.1 |
| 452.0  | 25°   | 465.1  | 485.7  | 546.8 | 615.3 | 649.9 | 652.4 | 635.8 | 609.5 | 580.9 | 567.7 |
| 458.8  | 27.5° | 477.0  | 505.7  | 590.1 | 661.3 | 678.7 | 656.6 | 620.9 | 583.6 | 548.9 | 535.1 |
| 463.7  | 30°   | 488.9  | 528.6  | 637.8 | 701.5 | 691.9 | 646.3 | 597.3 | 555.6 | 520.8 | 506.2 |
| 468.0  | 32.5° | 501.0  | 555.3  | 692.8 | 730.5 | 689.6 | 624.5 | 567.9 | 524.2 | 493.6 | 478.3 |
| 471.8  | 35°   | 514.7  | 588.1  | 744.9 | 746.4 | 673.9 | 592.4 | 529.1 | 486.8 | 460.1 | 447.8 |
| 476.3  | 37.5° | 532.5  | 629.7  | 790.9 | 750.3 | 646.5 | 545.3 | 481.0 | 442.4 | 420.4 | 414.8 |
| 483.0  | 40°   | 554.7  | 679.8  | 826.0 | 744.0 | 605.9 | 488.2 | 428.3 | 397.5 | 385.1 | 386.3 |
| 492.0  | 42.5° | 583.6  | 735.9  | 850.7 | 727.8 | 549.5 | 429.2 | 382.2 | 368.5 | 374.4 | 379.5 |
| 505.5  | 45°   | 621.1  | 794.1  | 866.1 | 700.2 | 485.7 | 379.3 | 355.0 | 358.2 | 362.7 | 363.3 |
| 527.3  | 47.5° | 669.0  | 853.1  | 876.2 | 658.6 | 420.6 | 344.2 | 337.7 | 338.4 | 337.5 | 333.7 |
| 559.9  | 50°   | 728.9  | 910.4  | 885.2 | 603.4 | 365.2 | 322.2 | 313.5 | 311.0 | 298.5 | 286.3 |
| 603.4  | 52.5° | 797.0  | 963.0  | 889.0 | 534.9 | 322.2 | 303.8 | 289.7 | 273.8 | 250.6 | 246.8 |
| 658.0  | 55°   | 872.7  | 1011.7 | 879.2 | 450.7 | 285.9 | 280.2 | 258.9 | 239.8 | 237.2 | 234.0 |
| 729.9  | 57.5° | 963.2  | 1064.2 | 859.4 | 356.8 | 248.8 | 252.6 | 231.8 | 234.0 | 229.5 | 224.4 |
| 822.4  | 60°   | 1062.2 | 1118.4 | 824.6 | 271.1 | 210.4 | 218.1 | 224.8 | 224.6 | 223.4 | 219.2 |
| 920.0  | 62.5° | 1151.3 | 1154.1 | 756.1 | 207.7 | 176.7 | 191.5 | 209.7 | 209.5 | 208.4 | 206.1 |
| 1021.8 | 65°   | 1204.3 | 1148.7 | 641.8 | 163.5 | 148.9 | 169.5 | 189.1 | 190.6 | 190.7 | 190.6 |
| 1098.4 | 67.5° | 1194.9 | 1085.5 | 484.9 | 130.2 | 126.0 | 147.1 | 168.7 | 170.7 | 172.2 | 172.5 |
| 1108.2 | 70°   | 1088.9 | 946.5  | 316.2 | 103.8 | 105.6 | 127.5 | 149.5 | 151.4 | 152.7 | 154.1 |
| 961.6  | 72.5° | 848.8  | 695.9  | 181.0 | 84.0  | 87.8  | 110.5 | 130.3 | 132.7 | 133.4 | 136.1 |
| 669.2  | 75°   | 517.2  | 409.2  | 97.7  | 66.2  | 72.1  | 94.5  | 111.4 | 114.1 | 115.4 | 118.6 |
| 328.6  | 77.5° | 245.9  | 177.2  | 55.7  | 51.6  | 58.0  | 77.2  | 94.1  | 97.2  | 93.7  | 95.5  |
| 90.7   | 80°   | 83.1   | 65.8   | 35.2  | 39.3  | 44.3  | 60.2  | 75.4  | 78.4  | 71.2  | 70.8  |
| 30.1   | 82.5° | 29.0   | 26.7   | 22.4  | 26.1  | 28.7  | 43.1  | 57.0  | 60.9  | 53.0  | 52.8  |
| 13.5   | 85°   | 11.4   | 10.8   | 12.4  | 14.2  | 17.1  | 26.5  | 37.5  | 39.5  | 32.6  | 26.3  |
| 4.0    | 87.5° | 2.3    | 2.5    | 3.1   | 3.2   | 5.2   | 9.2   | 13.5  | 16.6  | 13.2  | 11.2  |
| 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°  |
|-------|
| 388.7 |
| 403.3 |
| 424.6 |
| 449.1 |
| 477.0 |
| 508.9 |
| 548.2 |
| 591.0 |
| 614.2 |
| 602.1 |
| 569.7 |
| 536.7 |
| 507.8 |
| 480.3 |
| 450.5 |
| 418.8 |
| 390.7 |
| 384.2 |
| 366.9 |
| 336.6 |
| 287.9 |
| 248.1 |
| 234.5 |
| 223.5 |
| 217.8 |
| 205.2 |
| 190.6 |
| 172.9 |
| 154.9 |
| 137.2 |
| 119.0 |
| 94.1  |
| 70.1  |
| 50.3  |
| 26.0  |
| 10.3  |
| 0.0   |