

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: P938761

Luminaire Tested: **GLAN-SB1A-750-U-SL4-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P938761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-750-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3314 lumens  
Efficiency: N/A  
Efficacy: 107.2 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

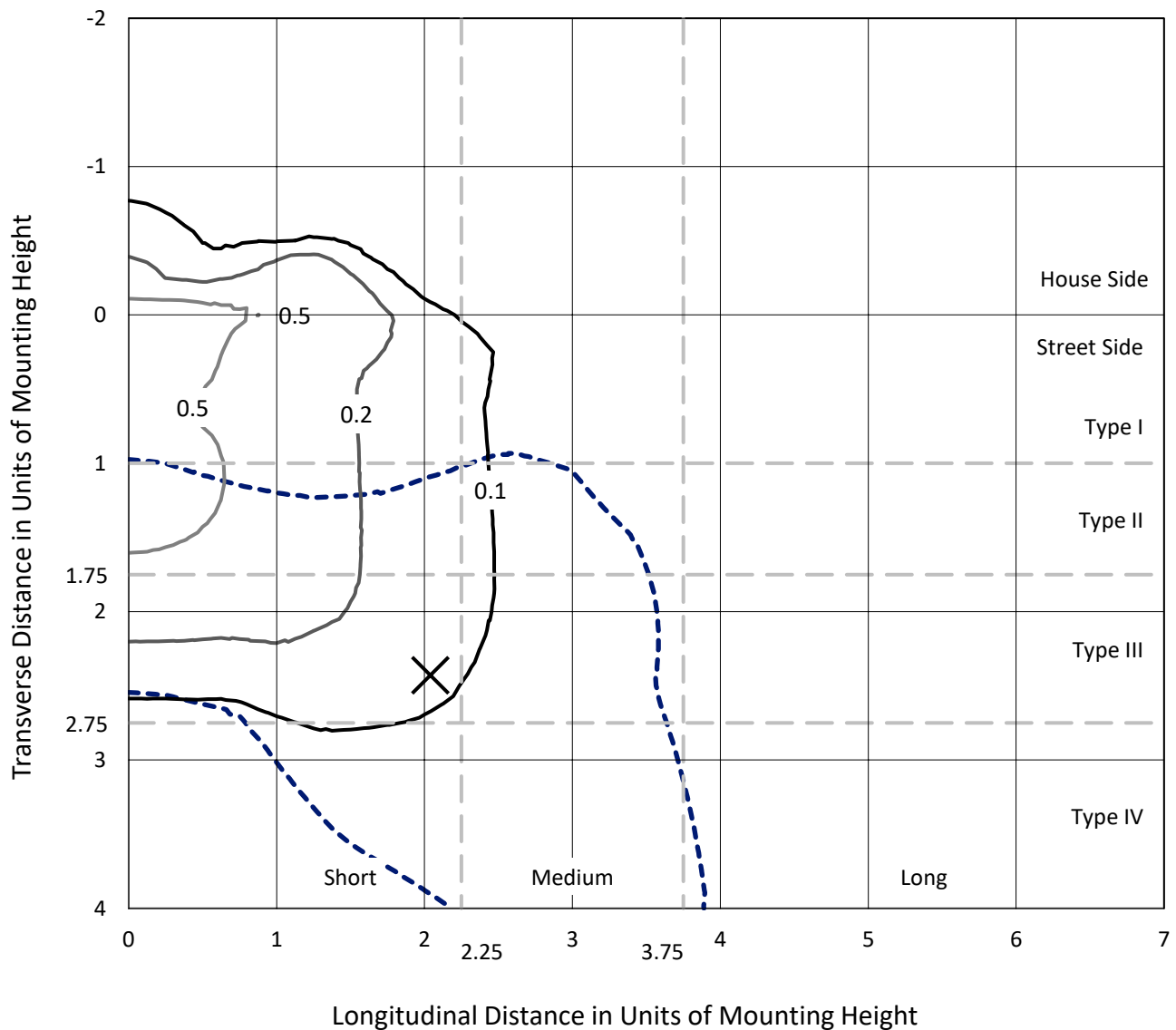
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

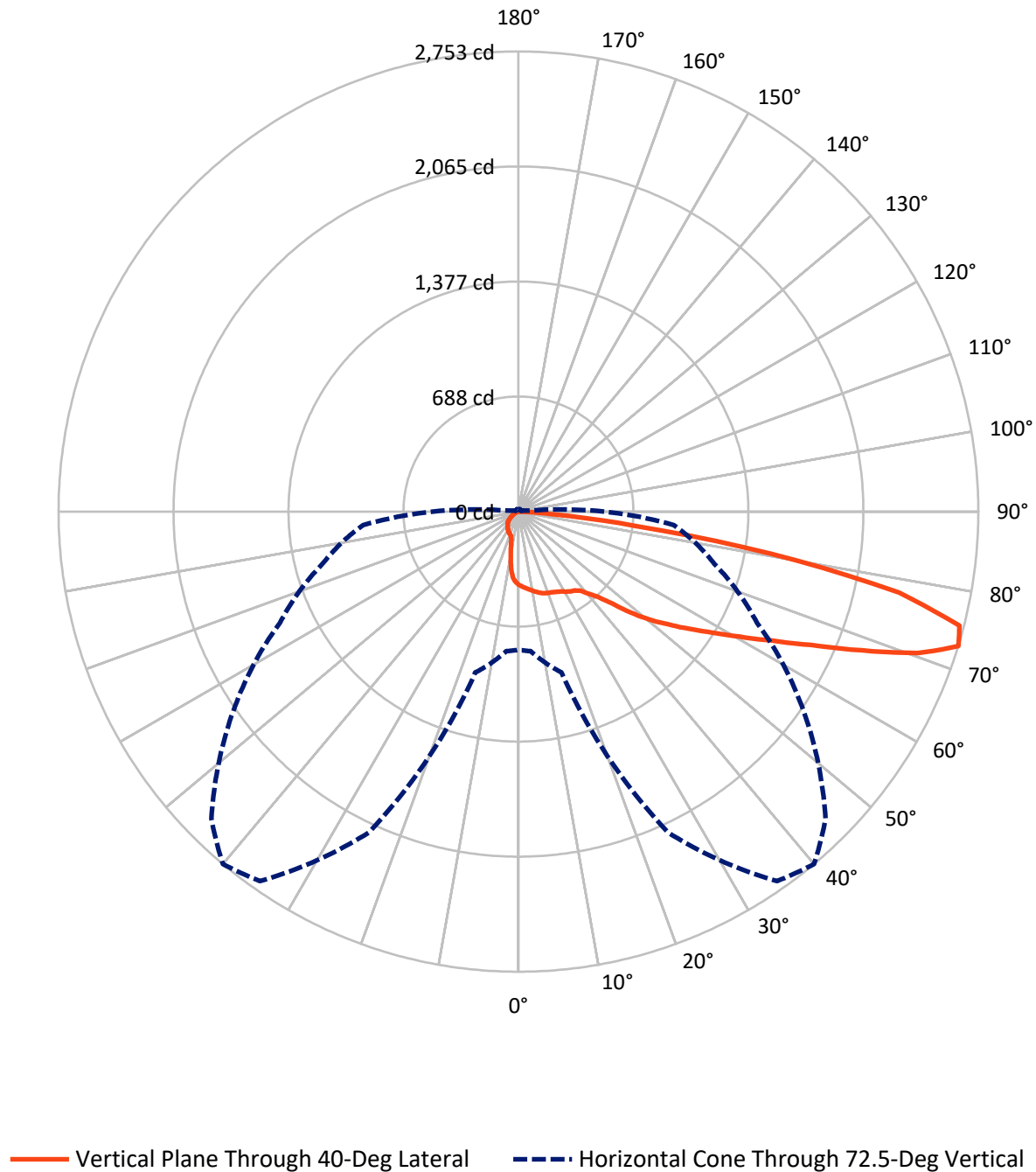
× Max cd  
- - - 1/2 Max cd



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    | 428.0    | 0.0    | 428.0  |
|                    | % Fixture | 12.9     | 0.0    | 12.9   |
| <b>Street Side</b> | Lumens    | 2886.0   | 0.0    | 2886.0 |
|                    | % Fixture | 87.1     | 0.0    | 87.1   |
| <b>Total</b>       | Lumens    | 3314.0   | 0.0    | 3314.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 40.1   | 1.2       |
| 10°-20°   | 108.8  | 3.3       |
| 20°-30°   | 176.1  | 5.3       |
| 30°-40°   | 260.0  | 7.8       |
| 40°-50°   | 437.5  | 13.2      |
| 50°-60°   | 679.4  | 20.5      |
| 60°-70°   | 850.1  | 25.7      |
| 70°-80°   | 696.0  | 21.0      |
| 80°-90°   | 66.0   | 2.0       |
| 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°    | 3314.0 | 100.0     |
| 0°-180°   | 3314.0 | 100.0     |

**Coefficient of Utilization**



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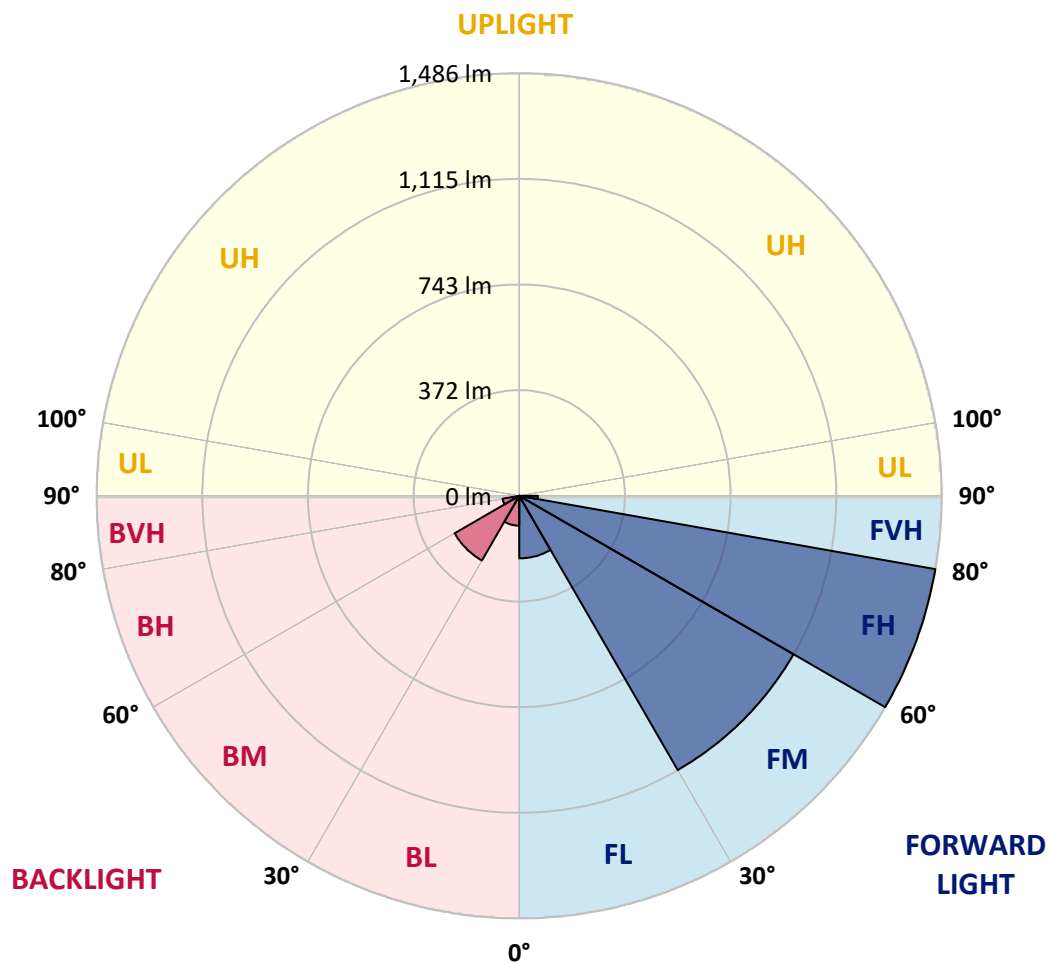
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 220.0  | 6.6       |                         |      |         |
| FM   | (30°-60°)   | 1114.1 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 1486.5 | 44.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 65.5   | 2.0       |                         |      | G1/100  |
| BL   | (0°-30°)    | 105.0  | 3.2       | B0/110                  |      |         |
| BM   | (30°-60°)   | 262.8  | 7.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 59.6   | 1.8       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.5    | 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°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  | 438.8  |
| 2.5°  | 452.0  | 453.8  | 452.8  | 450.8  | 450.3  | 449.3  | 448.0  | 447.5  | 445.8  | 444.3  |
| 5°    | 464.8  | 466.5  | 465.3  | 462.5  | 461.3  | 460.0  | 458.3  | 456.8  | 453.3  | 450.0  |
| 7.5°  | 478.7  | 480.2  | 478.7  | 474.7  | 472.7  | 471.2  | 468.8  | 466.5  | 462.5  | 457.8  |
| 10°   | 494.2  | 495.5  | 493.2  | 488.0  | 484.7  | 482.5  | 480.2  | 477.7  | 474.0  | 468.8  |
| 12.5° | 508.7  | 510.2  | 506.7  | 500.5  | 496.7  | 494.5  | 492.0  | 490.0  | 486.2  | 481.2  |
| 15°   | 521.9  | 524.2  | 518.2  | 511.4  | 507.2  | 505.4  | 502.9  | 501.7  | 499.2  | 495.7  |
| 17.5° | 531.9  | 533.4  | 527.2  | 519.2  | 514.4  | 513.2  | 511.4  | 512.2  | 511.7  | 509.9  |
| 20°   | 540.4  | 541.4  | 533.2  | 523.4  | 518.2  | 518.4  | 517.9  | 520.4  | 521.4  | 521.4  |
| 22.5° | 550.9  | 551.1  | 540.6  | 528.4  | 522.2  | 523.9  | 524.7  | 527.4  | 529.4  | 531.4  |
| 25°   | 564.6  | 564.1  | 551.6  | 534.9  | 529.4  | 531.9  | 533.6  | 534.6  | 536.9  | 540.1  |
| 27.5° | 585.1  | 583.6  | 567.6  | 545.4  | 538.9  | 541.1  | 544.4  | 543.9  | 542.9  | 545.4  |
| 30°   | 611.0  | 609.0  | 587.8  | 560.1  | 554.1  | 556.1  | 557.1  | 552.6  | 545.4  | 547.6  |
| 32.5° | 652.2  | 648.7  | 619.3  | 576.6  | 567.3  | 569.6  | 568.3  | 559.1  | 548.4  | 550.6  |
| 35°   | 723.8  | 715.4  | 673.7  | 611.0  | 582.3  | 579.8  | 576.8  | 567.8  | 554.6  | 552.4  |
| 37.5° | 876.1  | 861.1  | 790.0  | 678.2  | 616.3  | 600.0  | 590.8  | 581.8  | 561.4  | 552.4  |
| 40°   | 1047.8 | 1032.6 | 950.5  | 790.5  | 672.7  | 645.2  | 623.3  | 598.3  | 568.3  | 555.6  |
| 42.5° | 1227.0 | 1210.3 | 1126.0 | 929.8  | 753.3  | 696.9  | 656.0  | 611.5  | 579.8  | 565.6  |
| 45°   | 1427.2 | 1406.3 | 1295.9 | 1075.0 | 870.4  | 782.8  | 708.6  | 638.7  | 599.8  | 583.3  |
| 47.5° | 1638.4 | 1611.2 | 1465.4 | 1216.1 | 996.4  | 901.6  | 805.0  | 687.4  | 629.2  | 609.8  |
| 50°   | 1825.6 | 1798.6 | 1640.4 | 1363.6 | 1114.2 | 1014.6 | 914.8  | 754.8  | 673.4  | 647.2  |
| 52.5° | 1960.1 | 1939.7 | 1799.6 | 1515.8 | 1236.8 | 1120.7 | 1014.4 | 833.2  | 729.3  | 695.1  |
| 55°   | 2050.2 | 2031.5 | 1912.5 | 1660.1 | 1379.3 | 1237.5 | 1112.5 | 918.3  | 796.7  | 752.6  |
| 57.5° | 2104.9 | 2094.2 | 1994.1 | 1788.9 | 1520.6 | 1365.3 | 1224.8 | 1011.9 | 876.1  | 820.2  |
| 60°   | 2124.4 | 2115.6 | 2044.7 | 1911.7 | 1691.3 | 1518.8 | 1356.8 | 1117.5 | 972.4  | 897.1  |
| 62.5° | 2072.4 | 2074.2 | 2081.2 | 2057.2 | 1871.3 | 1698.5 | 1515.1 | 1244.3 | 1079.3 | 984.2  |
| 65°   | 1828.1 | 1842.6 | 1975.4 | 2218.5 | 2109.6 | 1923.7 | 1716.5 | 1399.0 | 1201.6 | 1083.3 |
| 67.5° | 1513.6 | 1534.6 | 1699.8 | 2312.8 | 2363.7 | 2216.0 | 1997.1 | 1596.2 | 1347.4 | 1184.1 |
| 70°   | 1158.7 | 1181.1 | 1381.3 | 2293.1 | 2601.6 | 2535.5 | 2344.0 | 1847.1 | 1498.4 | 1254.0 |
| 72.5° | 826.9  | 838.4  | 996.2  | 2117.6 | 2699.2 | 2753.1 | 2599.6 | 2084.7 | 1575.5 | 1215.3 |
| 75°   | 581.1  | 579.1  | 683.7  | 1705.3 | 2547.2 | 2726.7 | 2510.0 | 1956.1 | 1425.7 | 965.5  |
| 77.5° | 253.1  | 253.6  | 341.5  | 1035.6 | 2033.0 | 2328.8 | 2086.4 | 1225.3 | 993.9  | 511.7  |
| 80°   | 65.6   | 67.6   | 125.3  | 412.3  | 1224.0 | 1537.0 | 1272.5 | 538.6  | 459.3  | 124.8  |
| 82.5° | 23.2   | 24.7   | 57.7   | 129.5  | 451.5  | 704.9  | 566.6  | 172.2  | 119.8  | 35.7   |
| 85°   | 6.7    | 8.0    | 31.0   | 39.7   | 93.4   | 199.2  | 137.5  | 33.4   | 29.5   | 18.5   |
| 87.5° | 0.0    | 1.0    | 6.2    | 5.5    | 5.5    | 3.7    | 7.0    | 3.7    | 4.7    | 2.2    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 438.8  | 0°    | 438.8  | 438.8  | 438.8 | 438.8 | 438.8 | 438.8 | 438.8 | 438.8 | 438.8 | 438.8 |
| 442.5  | 2.5°  | 441.0  | 439.3  | 435.6 | 431.6 | 427.8 | 424.3 | 423.3 | 419.6 | 417.8 | 418.1 |
| 446.0  | 5°    | 443.3  | 440.0  | 432.8 | 424.1 | 415.1 | 404.9 | 396.4 | 384.4 | 374.2 | 372.9 |
| 452.8  | 7.5°  | 449.3  | 444.0  | 432.3 | 415.3 | 392.9 | 364.7 | 338.5 | 312.5 | 297.8 | 289.8 |
| 462.8  | 10°   | 458.5  | 451.5  | 433.6 | 401.1 | 353.4 | 303.0 | 263.3 | 230.6 | 213.9 | 206.2 |
| 475.0  | 12.5° | 469.5  | 461.8  | 435.6 | 376.9 | 302.5 | 236.4 | 193.4 | 173.5 | 170.0 | 169.5 |
| 490.0  | 15°   | 485.0  | 476.5  | 437.8 | 344.2 | 247.4 | 180.0 | 160.2 | 160.5 | 163.2 | 164.7 |
| 506.2  | 17.5° | 502.2  | 493.7  | 434.6 | 304.3 | 192.9 | 153.8 | 153.3 | 155.5 | 159.5 | 161.0 |
| 521.2  | 20°   | 519.7  | 511.7  | 423.1 | 257.3 | 156.0 | 146.5 | 148.5 | 151.0 | 155.0 | 157.0 |
| 535.9  | 22.5° | 537.6  | 530.7  | 404.9 | 207.4 | 140.8 | 141.3 | 143.8 | 146.3 | 150.8 | 153.0 |
| 550.4  | 25°   | 556.9  | 550.9  | 380.6 | 166.2 | 134.3 | 135.8 | 139.0 | 142.0 | 146.8 | 149.5 |
| 562.6  | 27.5° | 576.3  | 571.8  | 353.2 | 138.8 | 128.3 | 130.0 | 133.8 | 137.8 | 142.5 | 145.8 |
| 573.3  | 30°   | 597.5  | 595.1  | 331.2 | 128.5 | 122.6 | 124.1 | 128.3 | 132.8 | 138.0 | 142.0 |
| 584.1  | 32.5° | 619.3  | 618.8  | 320.5 | 136.0 | 117.3 | 118.3 | 122.1 | 126.5 | 133.0 | 138.0 |
| 593.1  | 35°   | 640.7  | 641.7  | 314.2 | 157.2 | 115.6 | 112.8 | 115.3 | 119.3 | 127.0 | 133.3 |
| 603.3  | 37.5° | 668.2  | 670.7  | 314.0 | 180.2 | 119.8 | 107.3 | 109.1 | 111.8 | 118.6 | 125.8 |
| 619.3  | 40°   | 709.1  | 722.3  | 330.0 | 199.9 | 127.3 | 102.3 | 102.8 | 103.3 | 106.8 | 112.8 |
| 640.5  | 42.5° | 763.5  | 802.2  | 387.6 | 213.4 | 130.3 | 97.8  | 96.1  | 93.4  | 92.9  | 96.1  |
| 669.4  | 45°   | 831.2  | 898.8  | 489.0 | 220.9 | 127.3 | 92.9  | 88.1  | 80.9  | 78.1  | 80.4  |
| 708.6  | 47.5° | 910.8  | 1004.6 | 609.0 | 222.6 | 122.3 | 86.6  | 78.1  | 68.6  | 66.4  | 67.1  |
| 761.3  | 50°   | 988.4  | 1084.0 | 714.6 | 208.2 | 114.1 | 78.6  | 67.1  | 59.2  | 57.7  | 57.9  |
| 823.4  | 52.5° | 1057.1 | 1111.2 | 744.6 | 174.0 | 103.1 | 68.9  | 57.7  | 52.2  | 51.2  | 51.2  |
| 892.1  | 55°   | 1102.5 | 1081.8 | 663.9 | 133.0 | 89.4  | 58.9  | 49.4  | 46.7  | 46.2  | 45.9  |
| 968.7  | 57.5° | 1112.0 | 985.9  | 501.5 | 96.1  | 69.9  | 49.7  | 43.9  | 42.4  | 41.4  | 40.4  |
| 1047.3 | 60°   | 1078.0 | 826.2  | 319.2 | 67.1  | 52.4  | 42.4  | 38.9  | 37.9  | 35.9  | 33.9  |
| 1121.2 | 62.5° | 1004.6 | 624.0  | 176.7 | 46.7  | 42.2  | 36.2  | 34.4  | 33.2  | 29.5  | 26.2  |
| 1179.9 | 65°   | 906.1  | 414.8  | 78.1  | 36.4  | 34.4  | 30.5  | 29.5  | 27.7  | 23.2  | 19.5  |
| 1202.1 | 67.5° | 807.0  | 238.9  | 35.2  | 29.2  | 27.7  | 25.0  | 24.2  | 23.0  | 19.7  | 16.2  |
| 1145.4 | 70°   | 693.9  | 121.1  | 24.2  | 23.2  | 21.5  | 19.0  | 19.7  | 19.5  | 16.2  | 13.2  |
| 934.3  | 72.5° | 516.7  | 60.2   | 18.2  | 17.5  | 15.5  | 13.5  | 16.2  | 16.0  | 12.7  | 10.0  |
| 576.1  | 75°   | 292.5  | 29.7   | 13.2  | 12.2  | 9.2   | 10.0  | 13.0  | 12.2  | 8.7   | 6.5   |
| 243.1  | 77.5° | 116.1  | 15.2   | 8.7   | 7.5   | 5.5   | 6.7   | 9.5   | 8.2   | 4.5   | 2.7   |
| 46.4   | 80°   | 26.7   | 7.5    | 4.5   | 3.2   | 2.5   | 4.0   | 5.0   | 3.0   | 1.2   | 0.2   |
| 12.5   | 82.5° | 7.5    | 3.2    | 1.5   | 1.2   | 1.2   | 1.5   | 1.2   | 0.5   | 0.0   | 0.0   |
| 3.2    | 85°   | 2.5    | 1.5    | 0.5   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   |
| 1.0    | 87.5° | 1.0    | 0.5    | 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°  |
|-------|
| 438.8 |
| 417.8 |
| 372.2 |
| 289.3 |
| 204.7 |
| 169.2 |
| 164.5 |
| 160.7 |
| 157.0 |
| 153.0 |
| 149.5 |
| 146.0 |
| 142.5 |
| 138.5 |
| 134.3 |
| 127.0 |
| 114.8 |
| 97.8  |
| 80.4  |
| 66.9  |
| 57.9  |
| 50.9  |
| 45.4  |
| 39.9  |
| 33.2  |
| 25.2  |
| 18.7  |
| 15.7  |
| 12.7  |
| 9.5   |
| 6.0   |
| 2.5   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |