

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: P939348

Luminaire Tested: **GLAN-SB1D-927-U-T4FT-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939348  
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-SB1D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 900mA 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: 4691 lumens  
Efficiency: N/A  
Efficacy: 58.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 79.6  
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



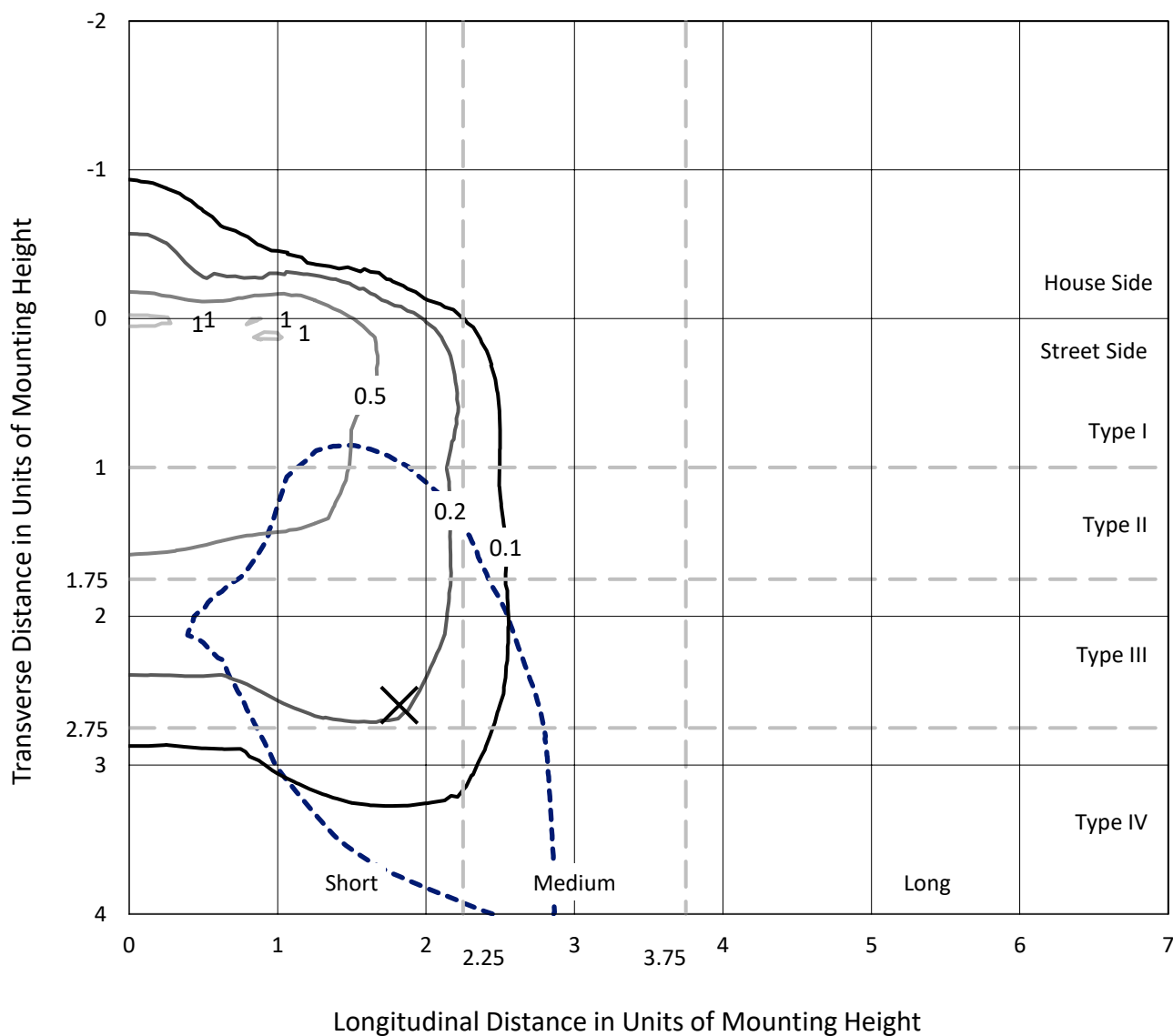
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

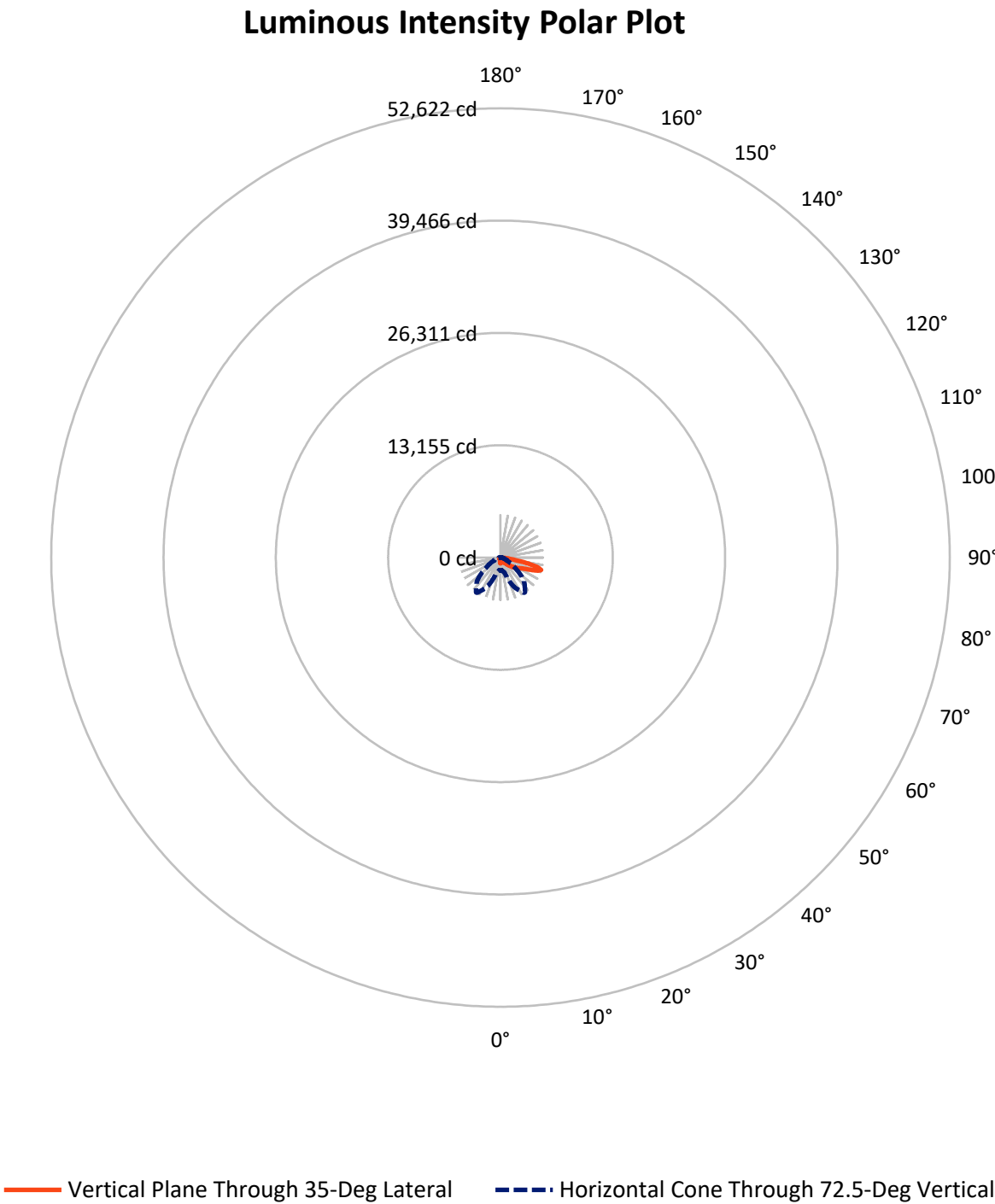
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc

Type IV - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 527.9    | 0.0    | 527.9  |
|                    | % Fixture | 11.3     | 0.0    | 11.3   |
| <b>Street Side</b> | Lumens    | 4163.1   | 0.0    | 4163.1 |
|                    | % Fixture | 88.7     | 0.0    | 88.7   |
| <b>Total</b>       | Lumens    | 4691.0   | 0.0    | 4691.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.9   | 1.2       |
| 10°-20°   | 130.7  | 2.8       |
| 20°-30°   | 212.3  | 4.5       |
| 30°-40°   | 354.2  | 7.6       |
| 40°-50°   | 670.2  | 14.3      |
| 50°-60°   | 1065.0 | 22.7      |
| 60°-70°   | 1317.5 | 28.1      |
| 70°-80°   | 819.0  | 17.5      |
| 80°-90°   | 66.2   | 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°    | 4691.0 | 100.0     |
| 0°-180°   | 4691.0 | 100.0     |

**Coefficient of Utilization**



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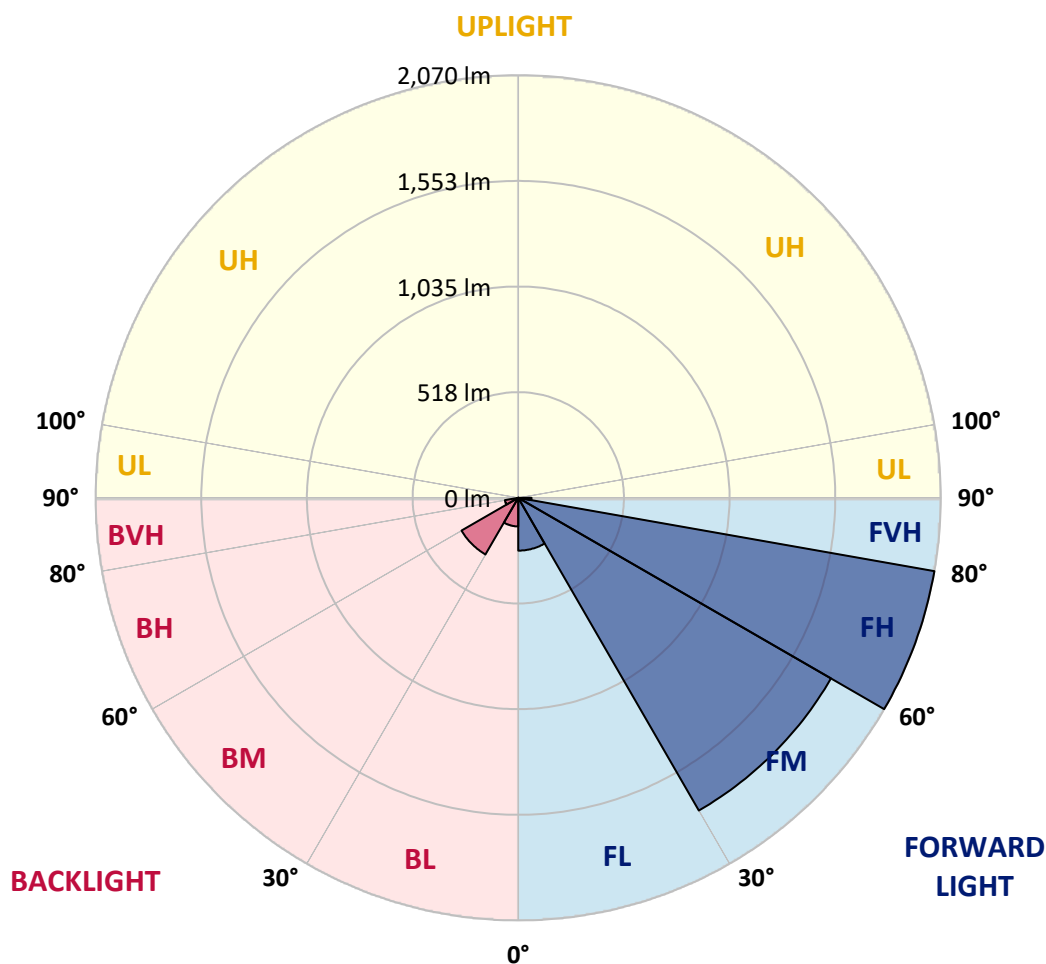
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 258.6  | 5.5       |                         |      |         |
| FM   | (30°-60°)   | 1769.0 | 37.7      |                         |      |         |
| FH   | (60°-80°)   | 2070.2 | 44.1      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 65.3   | 1.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 140.3  | 3.0       | B1/500                  |      |         |
| BM   | (30°-60°)   | 320.5  | 6.8       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 66.2   | 1.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.9    | 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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 34°    | 35°    | 45°    | 55°    | 65°    | 75°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  | 679.9  |
| 2.5°  | 649.6  | 655.1  | 656.2  | 657.9  | 657.9  | 659.9  | 663.4  | 668.2  | 676.1  | 680.2  |
| 5°    | 598.8  | 602.9  | 608.0  | 612.2  | 620.1  | 621.1  | 634.5  | 647.6  | 665.8  | 679.5  |
| 7.5°  | 547.6  | 552.4  | 559.2  | 569.2  | 579.5  | 582.6  | 602.9  | 624.9  | 653.8  | 679.5  |
| 10°   | 511.5  | 511.8  | 518.0  | 528.0  | 544.5  | 548.2  | 573.0  | 604.3  | 640.4  | 675.4  |
| 12.5° | 491.2  | 493.6  | 496.3  | 503.9  | 519.7  | 522.1  | 548.6  | 585.4  | 626.9  | 673.0  |
| 15°   | 491.2  | 492.9  | 494.6  | 498.4  | 511.1  | 513.2  | 536.6  | 573.3  | 620.1  | 674.0  |
| 17.5° | 496.3  | 499.1  | 497.7  | 502.2  | 515.6  | 517.0  | 537.6  | 569.9  | 619.7  | 680.6  |
| 20°   | 508.7  | 510.8  | 508.0  | 510.8  | 524.2  | 526.9  | 548.2  | 576.4  | 625.6  | 691.9  |
| 22.5° | 528.3  | 529.3  | 522.8  | 524.9  | 538.6  | 542.1  | 566.8  | 595.0  | 639.7  | 710.1  |
| 25°   | 553.0  | 555.1  | 545.1  | 547.6  | 560.6  | 564.7  | 593.3  | 622.8  | 662.0  | 735.2  |
| 27.5° | 581.6  | 582.6  | 574.0  | 573.7  | 590.5  | 596.4  | 625.2  | 657.2  | 691.9  | 766.8  |
| 30°   | 614.2  | 617.3  | 609.1  | 607.7  | 629.0  | 633.8  | 662.4  | 699.5  | 735.9  | 814.3  |
| 32.5° | 640.0  | 642.4  | 637.6  | 641.0  | 662.7  | 666.5  | 707.4  | 759.3  | 805.0  | 881.6  |
| 35°   | 677.1  | 678.5  | 667.5  | 673.7  | 698.4  | 708.1  | 768.9  | 843.2  | 892.0  | 966.2  |
| 37.5° | 811.5  | 811.5  | 764.8  | 734.2  | 757.9  | 766.5  | 853.1  | 948.7  | 999.2  | 1079.6 |
| 40°   | 997.5  | 994.4  | 926.0  | 863.4  | 860.3  | 877.2  | 973.1  | 1081.7 | 1137.7 | 1215.7 |
| 42.5° | 1195.8 | 1191.0 | 1097.8 | 1036.0 | 1025.7 | 1031.5 | 1111.6 | 1245.7 | 1302.7 | 1381.8 |
| 45°   | 1371.8 | 1370.4 | 1285.2 | 1202.0 | 1183.4 | 1202.0 | 1284.5 | 1437.4 | 1478.4 | 1561.5 |
| 47.5° | 1519.3 | 1519.3 | 1457.0 | 1402.7 | 1393.1 | 1404.1 | 1518.6 | 1650.2 | 1646.4 | 1753.0 |
| 50°   | 1689.1 | 1687.7 | 1628.6 | 1605.2 | 1615.2 | 1630.6 | 1788.0 | 1874.3 | 1820.4 | 1941.0 |
| 52.5° | 1808.0 | 1816.2 | 1796.0 | 1792.2 | 1843.0 | 1869.9 | 2061.6 | 2093.6 | 1976.1 | 2119.4 |
| 55°   | 1902.2 | 1911.8 | 1935.2 | 1961.6 | 2059.6 | 2094.6 | 2326.7 | 2301.6 | 2106.3 | 2274.1 |
| 57.5° | 2035.5 | 2021.8 | 2057.9 | 2110.1 | 2268.6 | 2310.8 | 2583.4 | 2497.8 | 2211.2 | 2399.5 |
| 60°   | 2197.4 | 2199.5 | 2205.7 | 2271.7 | 2477.2 | 2531.5 | 2836.4 | 2683.4 | 2278.5 | 2476.5 |
| 62.5° | 2392.0 | 2395.1 | 2407.8 | 2509.2 | 2757.3 | 2808.6 | 3105.9 | 2835.4 | 2309.5 | 2454.9 |
| 65°   | 2378.6 | 2391.6 | 2533.6 | 2880.4 | 3183.2 | 3233.7 | 3420.4 | 2941.9 | 2262.7 | 2256.9 |
| 67.5° | 2166.8 | 2188.1 | 2425.6 | 3323.8 | 3825.3 | 3881.7 | 3800.5 | 2962.9 | 2061.0 | 1755.0 |
| 70°   | 1889.1 | 1896.7 | 2182.3 | 3722.5 | 4568.8 | 4625.8 | 4140.8 | 2732.3 | 1563.9 | 978.9  |
| 72.5° | 1475.3 | 1477.0 | 1812.1 | 3815.0 | 4972.3 | 4975.4 | 3873.8 | 2028.3 | 841.1  | 376.0  |
| 75°   | 1053.9 | 1043.5 | 1213.7 | 3093.8 | 4374.6 | 4409.6 | 2904.1 | 951.4  | 321.4  | 177.7  |
| 77.5° | 565.1  | 576.4  | 686.8  | 1834.8 | 3022.0 | 3081.8 | 1584.6 | 274.3  | 163.6  | 121.0  |
| 80°   | 174.6  | 184.2  | 281.5  | 840.1  | 1711.7 | 1747.8 | 587.4  | 122.0  | 114.1  | 86.3   |
| 82.5° | 55.0   | 57.1   | 131.3  | 353.0  | 710.5  | 727.0  | 170.1  | 69.1   | 78.0   | 57.1   |
| 85°   | 15.8   | 16.2   | 58.4   | 131.6  | 175.6  | 179.1  | 47.8   | 26.8   | 44.7   | 35.4   |
| 87.5° | 1.7    | 5.5    | 22.0   | 22.0   | 15.5   | 15.1   | 5.2    | 5.8    | 12.7   | 4.5    |
| 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°  |
|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 679.9  | 0°    | 679.9  | 679.9  | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 | 679.9 |
| 683.0  | 2.5°  | 681.3  | 681.6  | 677.1 | 669.6 | 661.3 | 654.4 | 645.9 | 639.0 | 634.2 | 632.8 |
| 689.2  | 5°    | 686.1  | 683.7  | 670.9 | 647.9 | 620.4 | 596.7 | 570.2 | 549.3 | 535.5 | 529.7 |
| 695.7  | 7.5°  | 693.3  | 686.4  | 658.6 | 613.2 | 560.6 | 513.9 | 466.4 | 429.7 | 406.3 | 394.6 |
| 701.9  | 10°   | 699.5  | 685.7  | 637.9 | 563.0 | 482.6 | 411.8 | 347.8 | 303.5 | 278.8 | 267.1 |
| 709.1  | 12.5° | 705.3  | 685.4  | 611.1 | 503.6 | 394.6 | 308.0 | 248.5 | 226.5 | 219.6 | 217.2 |
| 720.8  | 15°   | 716.3  | 686.4  | 577.5 | 435.5 | 306.9 | 232.7 | 211.0 | 210.7 | 212.1 | 211.4 |
| 738.7  | 17.5° | 731.4  | 687.4  | 539.3 | 363.3 | 236.8 | 205.2 | 204.2 | 207.3 | 209.3 | 208.3 |
| 761.0  | 20°   | 751.0  | 691.6  | 498.7 | 291.8 | 203.5 | 198.3 | 200.7 | 203.5 | 205.2 | 203.5 |
| 790.9  | 22.5° | 778.5  | 698.8  | 454.4 | 234.4 | 192.8 | 194.2 | 196.3 | 199.4 | 201.1 | 198.7 |
| 829.1  | 25°   | 812.2  | 710.1  | 410.7 | 203.8 | 187.7 | 189.4 | 192.5 | 195.9 | 198.0 | 195.6 |
| 877.2  | 27.5° | 855.9  | 728.3  | 370.5 | 197.0 | 182.5 | 183.5 | 188.0 | 193.2 | 195.9 | 192.8 |
| 945.6  | 30°   | 919.1  | 758.3  | 335.8 | 200.0 | 179.4 | 177.0 | 183.2 | 190.4 | 193.5 | 190.8 |
| 1038.7 | 32.5° | 1003.0 | 800.5  | 314.5 | 204.9 | 178.0 | 169.5 | 175.3 | 184.6 | 189.7 | 188.0 |
| 1160.4 | 35°   | 1113.0 | 864.8  | 306.3 | 210.4 | 177.0 | 161.5 | 165.7 | 175.6 | 184.6 | 186.3 |
| 1313.7 | 37.5° | 1246.3 | 954.2  | 308.7 | 212.8 | 173.9 | 155.0 | 157.1 | 165.7 | 177.4 | 182.9 |
| 1486.3 | 40°   | 1397.9 | 1058.3 | 322.4 | 210.4 | 170.5 | 149.5 | 149.9 | 156.4 | 166.7 | 175.0 |
| 1671.9 | 42.5° | 1554.3 | 1180.0 | 347.8 | 201.4 | 167.4 | 144.7 | 143.7 | 148.1 | 155.0 | 160.9 |
| 1857.1 | 45°   | 1703.1 | 1305.1 | 372.9 | 189.0 | 163.6 | 139.9 | 137.5 | 139.2 | 140.6 | 143.0 |
| 2037.6 | 47.5° | 1833.1 | 1393.1 | 365.7 | 177.7 | 158.5 | 134.4 | 130.3 | 129.6 | 125.5 | 125.1 |
| 2198.8 | 50°   | 1922.8 | 1412.4 | 324.8 | 166.4 | 150.9 | 128.2 | 121.7 | 117.6 | 110.3 | 106.9 |
| 2319.4 | 52.5° | 1951.3 | 1336.4 | 265.4 | 155.0 | 138.5 | 120.0 | 110.7 | 104.1 | 95.2  | 92.1  |
| 2388.9 | 55°   | 1913.5 | 1187.6 | 212.1 | 141.3 | 121.3 | 109.0 | 98.6  | 90.1  | 82.8  | 79.1  |
| 2396.4 | 57.5° | 1821.0 | 998.2  | 167.7 | 125.1 | 103.1 | 96.6  | 86.3  | 77.7  | 71.5  | 67.7  |
| 2312.6 | 60°   | 1667.7 | 792.6  | 132.7 | 105.9 | 88.0  | 83.2  | 72.5  | 67.0  | 61.5  | 57.1  |
| 2096.0 | 62.5° | 1435.0 | 565.8  | 104.1 | 83.9  | 73.6  | 68.1  | 61.9  | 57.7  | 51.2  | 45.0  |
| 1706.6 | 65°   | 1119.8 | 346.1  | 80.4  | 61.5  | 59.1  | 56.4  | 52.6  | 48.8  | 40.9  | 34.7  |
| 1113.3 | 67.5° | 706.3  | 164.0  | 57.4  | 46.4  | 46.7  | 45.4  | 43.7  | 40.6  | 34.7  | 29.2  |
| 498.7  | 70°   | 311.1  | 79.4   | 37.8  | 35.4  | 34.7  | 34.7  | 36.1  | 35.1  | 29.6  | 24.4  |
| 173.2  | 72.5° | 105.9  | 42.6   | 28.2  | 26.8  | 25.1  | 24.7  | 30.2  | 29.2  | 23.7  | 18.9  |
| 86.3   | 75°   | 55.3   | 28.5   | 20.6  | 19.2  | 15.1  | 18.2  | 24.1  | 22.7  | 16.8  | 12.4  |
| 57.1   | 77.5° | 36.1   | 20.3   | 14.1  | 12.4  | 8.6   | 12.0  | 17.9  | 15.8  | 10.0  | 6.2   |
| 37.5   | 80°   | 22.7   | 13.4   | 8.2   | 5.8   | 4.1   | 6.5   | 9.6   | 6.9   | 3.8   | 1.4   |
| 22.0   | 82.5° | 12.0   | 6.9    | 3.1   | 2.1   | 1.7   | 2.1   | 2.4   | 1.7   | 0.7   | 0.0   |
| 11.3   | 85°   | 4.8    | 2.4    | 1.0   | 0.7   | 0.3   | 0.0   | 0.7   | 0.3   | 0.0   | 0.0   |
| 2.1    | 87.5° | 1.7    | 0.3    | 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°  |
|-------|
| 679.9 |
| 635.2 |
| 531.7 |
| 396.3 |
| 267.4 |
| 216.5 |
| 211.0 |
| 208.0 |
| 203.1 |
| 198.3 |
| 195.2 |
| 192.8 |
| 190.4 |
| 188.0 |
| 186.3 |
| 184.2 |
| 177.7 |
| 163.3 |
| 144.4 |
| 124.8 |
| 107.2 |
| 91.8  |
| 79.1  |
| 67.0  |
| 56.0  |
| 44.0  |
| 33.7  |
| 28.5  |
| 23.4  |
| 17.9  |
| 11.3  |
| 5.5   |
| 1.0   |
| 0.0   |
| 0.0   |
| 0.0   |
| 0.0   |