

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: P938844

Luminaire Tested: **GLAN-SB1A-930-U-T2-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P938844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2279 lumens  
Efficiency: N/A  
Efficacy: 73.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
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



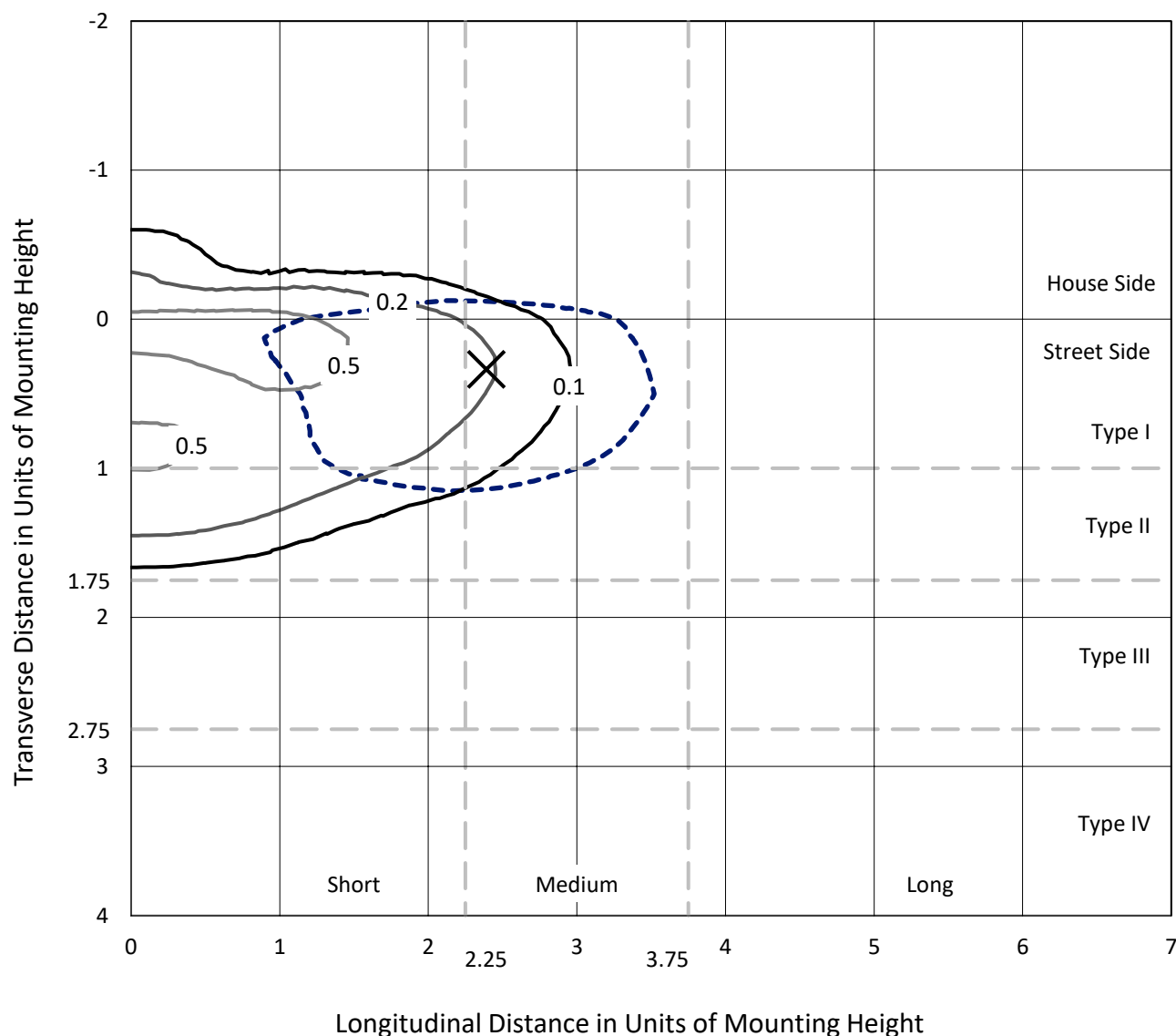
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## Iso-Footcandle Lines of Horizontal Illumination

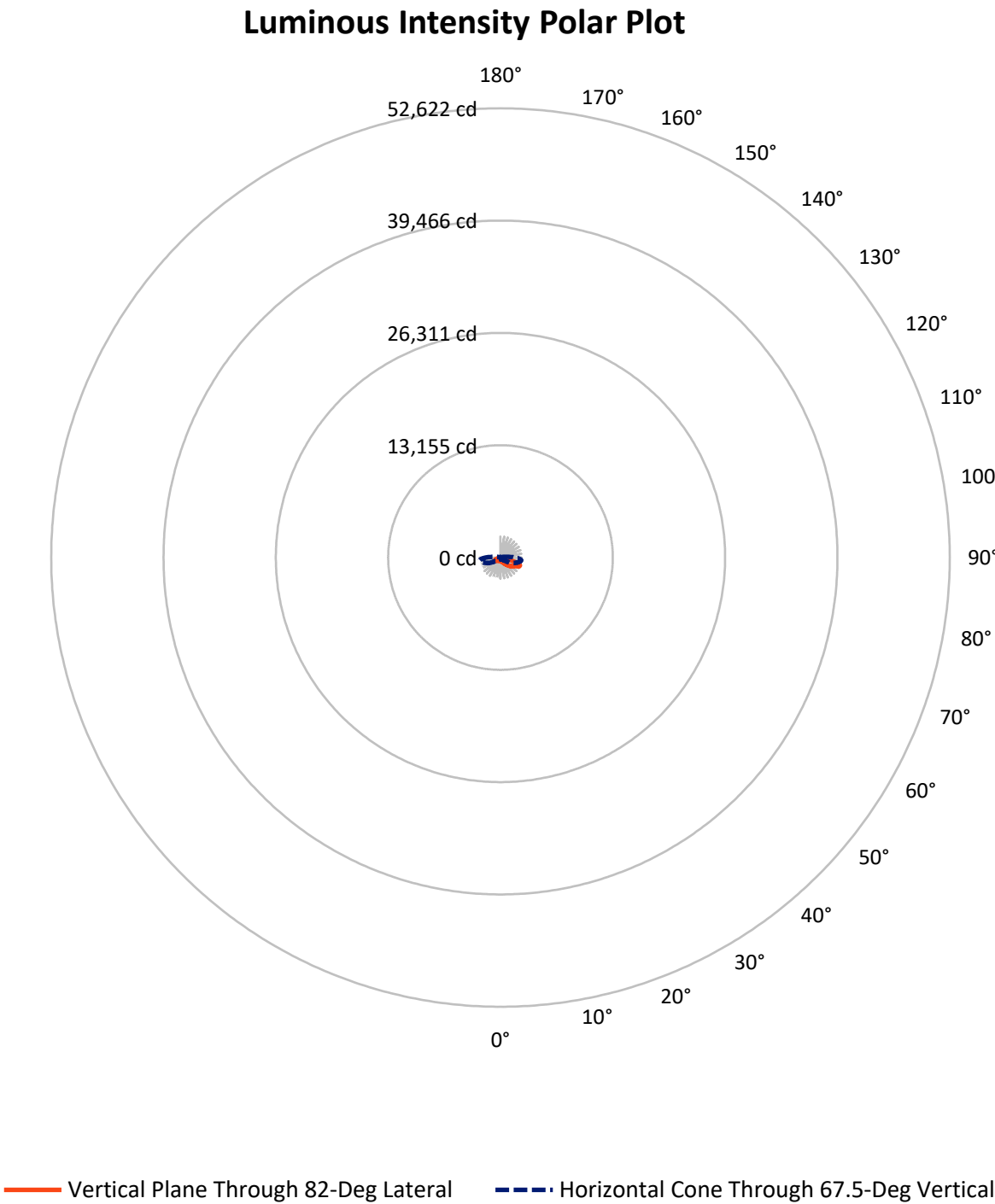
× Max cd

--- 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 412.8    | 0.0    | 412.8  |
|                    | % Fixture | 18.1     | 0.0    | 18.1   |
| <b>Street Side</b> | Lumens    | 1866.2   | 0.0    | 1866.2 |
|                    | % Fixture | 81.9     | 0.0    | 81.9   |
| <b>Total</b>       | Lumens    | 2279.0   | 0.0    | 2279.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.6   | 1.5       |
| 10°-20°   | 87.4   | 3.8       |
| 20°-30°   | 140.0  | 6.1       |
| 30°-40°   | 247.6  | 10.9      |
| 40°-50°   | 433.8  | 19.0      |
| 50°-60°   | 578.5  | 25.4      |
| 60°-70°   | 538.6  | 23.6      |
| 70°-80°   | 206.7  | 9.1       |
| 80°-90°   | 12.8   | 0.6       |
| 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°    | 2279.0 | 100.0     |
| 0°-180°   | 2279.0 | 100.0     |

**Coefficient of Utilization**



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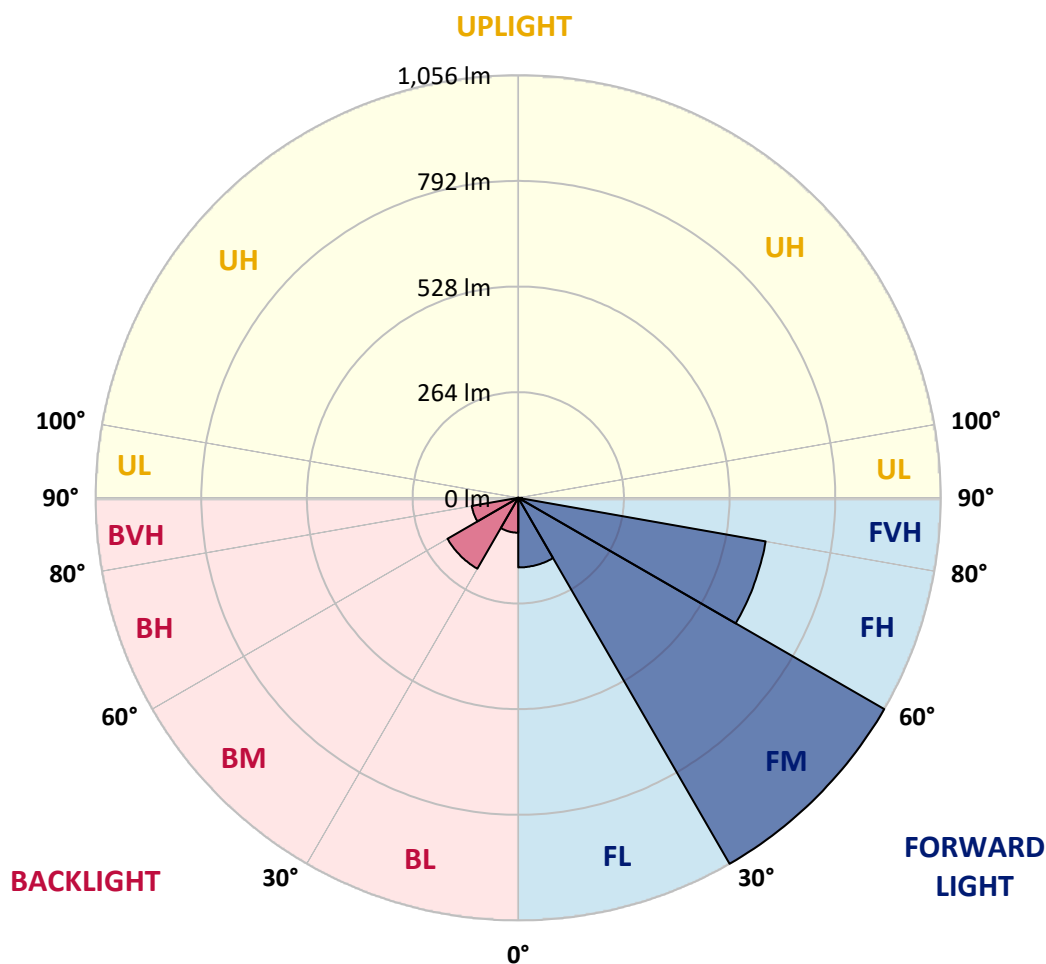
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 173.9  | 7.6       |                         |      |        |
| FM   | (30°-60°)   | 1055.5 | 46.3      |                         |      |        |
| FH   | (60°-80°)   | 627.4  | 27.5      |                         |      | G0/660 |
| FVH  | (80°-90°)   | 9.3    | 0.4       |                         |      | G0/10  |
| BL   | (0°-30°)    | 87.2   | 3.8       | B0/110                  |      |        |
| BM   | (30°-60°)   | 204.3  | 9.0       | B0/220                  |      |        |
| BH   | (60°-80°)   | 117.8  | 5.2       | B1/500                  |      | G1/500 |
| BVH  | (80°-90°)   | 3.5    | 0.2       |                         |      | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°    | 55°    | 65°    | 75°    | 82°    |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°    | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 | 377.6  | 377.6  | 377.6  | 377.6  | 377.6  |
| 2.5°  | 399.0 | 401.3 | 400.0 | 399.4 | 398.2 | 396.6  | 395.3  | 391.2  | 386.9  | 384.1  |
| 5°    | 407.1 | 409.4 | 409.2 | 409.9 | 410.7 | 411.2  | 410.9  | 406.3  | 400.2  | 395.4  |
| 7.5°  | 400.2 | 402.8 | 405.0 | 408.2 | 414.0 | 420.1  | 423.0  | 422.0  | 415.8  | 409.2  |
| 10°   | 380.7 | 383.5 | 388.5 | 396.3 | 408.4 | 421.5  | 432.5  | 437.6  | 433.7  | 426.4  |
| 12.5° | 344.9 | 347.7 | 357.7 | 374.4 | 394.8 | 417.6  | 438.6  | 452.2  | 453.2  | 446.0  |
| 15°   | 304.7 | 307.5 | 318.2 | 339.2 | 370.2 | 406.8  | 441.9  | 467.6  | 476.3  | 470.1  |
| 17.5° | 279.8 | 282.2 | 290.3 | 307.2 | 339.5 | 385.1  | 440.7  | 484.0  | 503.9  | 499.0  |
| 20°   | 272.2 | 274.3 | 278.1 | 289.9 | 316.8 | 362.6  | 433.2  | 499.5  | 533.6  | 530.8  |
| 22.5° | 280.3 | 282.2 | 283.4 | 288.6 | 305.5 | 347.9  | 423.7  | 515.2  | 568.1  | 568.4  |
| 25°   | 298.8 | 300.8 | 299.5 | 302.7 | 310.1 | 343.3  | 420.1  | 533.8  | 611.4  | 615.0  |
| 27.5° | 329.3 | 329.5 | 326.4 | 326.2 | 327.3 | 350.2  | 423.8  | 553.6  | 666.0  | 672.7  |
| 30°   | 390.5 | 388.1 | 376.1 | 363.1 | 357.2 | 370.8  | 434.3  | 577.1  | 730.5  | 742.5  |
| 32.5° | 484.9 | 481.3 | 459.3 | 428.3 | 397.1 | 404.1  | 453.2  | 603.8  | 800.7  | 822.4  |
| 35°   | 587.3 | 586.3 | 563.3 | 517.2 | 462.7 | 451.6  | 483.9  | 638.9  | 877.3  | 911.8  |
| 37.5° | 682.4 | 681.9 | 668.8 | 614.5 | 548.2 | 517.7  | 533.1  | 684.9  | 959.4  | 1009.3 |
| 40°   | 769.4 | 770.9 | 757.7 | 709.2 | 642.4 | 602.5  | 600.0  | 741.7  | 1050.6 | 1115.4 |
| 42.5° | 844.5 | 846.2 | 832.9 | 796.9 | 735.4 | 696.4  | 682.3  | 811.2  | 1139.7 | 1229.5 |
| 45°   | 895.6 | 905.7 | 903.8 | 875.1 | 830.9 | 790.4  | 781.0  | 898.5  | 1241.3 | 1350.4 |
| 47.5° | 910.0 | 919.4 | 934.1 | 938.1 | 911.1 | 871.3  | 882.4  | 1003.7 | 1344.0 | 1471.5 |
| 50°   | 874.4 | 883.1 | 913.8 | 954.6 | 973.3 | 961.0  | 981.0  | 1116.4 | 1449.2 | 1592.3 |
| 52.5° | 804.2 | 813.0 | 851.8 | 916.4 | 992.7 | 1031.4 | 1080.0 | 1227.5 | 1551.1 | 1706.6 |
| 55°   | 702.6 | 712.0 | 761.7 | 834.9 | 955.8 | 1060.5 | 1162.5 | 1338.4 | 1644.4 | 1809.5 |
| 57.5° | 564.4 | 571.3 | 623.0 | 725.4 | 862.9 | 1031.6 | 1223.4 | 1459.5 | 1732.4 | 1910.6 |
| 60°   | 367.9 | 373.9 | 434.0 | 548.2 | 709.0 | 935.1  | 1235.5 | 1594.6 | 1849.2 | 2042.0 |
| 62.5° | 244.6 | 248.7 | 284.4 | 368.2 | 499.3 | 749.9  | 1164.5 | 1702.4 | 2020.5 | 2270.7 |
| 65°   | 167.9 | 172.0 | 207.6 | 266.0 | 322.6 | 496.0  | 960.2  | 1688.1 | 2175.7 | 2452.4 |
| 67.5° | 119.8 | 123.2 | 153.4 | 208.5 | 233.5 | 288.1  | 650.9  | 1505.6 | 2153.4 | 2459.3 |
| 70°   | 85.8  | 87.8  | 112.7 | 162.4 | 185.6 | 173.1  | 362.0  | 1151.5 | 1885.5 | 2270.9 |
| 72.5° | 60.1  | 60.7  | 78.3  | 123.7 | 149.5 | 126.3  | 172.3  | 767.7  | 1426.0 | 1782.4 |
| 75°   | 40.7  | 41.5  | 52.7  | 90.7  | 119.9 | 96.5   | 91.2   | 411.7  | 837.1  | 986.6  |
| 77.5° | 24.9  | 25.3  | 34.0  | 62.0  | 89.8  | 73.5   | 58.7   | 174.4  | 323.9  | 318.0  |
| 80°   | 14.1  | 14.1  | 21.7  | 38.6  | 61.2  | 47.4   | 41.2   | 74.2   | 102.6  | 90.1   |
| 82.5° | 7.9   | 8.0   | 15.8  | 24.0  | 40.5  | 28.1   | 22.6   | 34.3   | 44.3   | 39.2   |
| 85°   | 3.3   | 3.6   | 9.7   | 11.3  | 19.4  | 13.9   | 9.2    | 14.4   | 16.4   | 14.6   |
| 87.5° | 0.3   | 0.5   | 3.0   | 2.1   | 2.3   | 2.8    | 1.3    | 2.8    | 2.3    | 2.3    |
| 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°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 377.6  | 0°    | 377.6  | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 | 377.6 |
| 383.1  | 2.5°  | 380.0  | 377.6 | 371.3 | 364.1 | 354.6 | 350.0 | 343.8 | 339.5 | 335.9 | 336.2 |
| 392.6  | 5°    | 387.4  | 381.2 | 367.2 | 349.8 | 328.2 | 312.7 | 296.3 | 285.0 | 275.8 | 273.9 |
| 405.8  | 7.5°  | 397.6  | 387.7 | 363.3 | 331.9 | 295.3 | 267.6 | 242.8 | 226.9 | 215.6 | 212.0 |
| 421.7  | 10°   | 410.7  | 396.4 | 358.2 | 309.5 | 256.8 | 221.5 | 194.9 | 182.5 | 174.7 | 172.1 |
| 440.4  | 12.5° | 426.0  | 406.4 | 351.5 | 282.1 | 217.1 | 183.1 | 166.2 | 160.0 | 157.5 | 156.7 |
| 463.4  | 15°   | 445.2  | 418.9 | 341.3 | 249.6 | 183.4 | 159.7 | 152.4 | 151.6 | 151.9 | 151.6 |
| 490.9  | 17.5° | 468.0  | 432.5 | 324.7 | 216.1 | 160.8 | 147.7 | 145.0 | 145.7 | 146.5 | 146.4 |
| 521.8  | 20°   | 492.9  | 446.0 | 303.6 | 186.4 | 145.4 | 139.1 | 137.7 | 138.3 | 139.0 | 138.6 |
| 557.4  | 22.5° | 521.3  | 460.4 | 280.1 | 163.3 | 135.0 | 131.3 | 129.6 | 129.8 | 129.8 | 129.1 |
| 602.5  | 25°   | 555.3  | 476.3 | 255.5 | 146.9 | 127.2 | 124.2 | 122.2 | 121.6 | 120.6 | 118.6 |
| 657.3  | 27.5° | 595.8  | 493.2 | 231.8 | 135.4 | 120.9 | 118.1 | 115.8 | 114.2 | 111.7 | 108.5 |
| 723.1  | 30°   | 641.4  | 513.7 | 211.8 | 128.1 | 116.0 | 113.2 | 110.6 | 108.1 | 104.5 | 100.4 |
| 798.8  | 32.5° | 695.1  | 535.7 | 197.2 | 123.4 | 111.6 | 108.6 | 105.5 | 102.6 | 98.6  | 94.5  |
| 883.7  | 35°   | 759.0  | 562.3 | 188.7 | 120.1 | 108.1 | 104.2 | 100.7 | 97.5  | 94.5  | 90.9  |
| 976.1  | 37.5° | 828.5  | 590.5 | 186.1 | 118.5 | 105.8 | 99.8  | 95.8  | 93.5  | 93.2  | 91.1  |
| 1076.1 | 40°   | 904.4  | 624.0 | 188.0 | 117.5 | 103.4 | 95.5  | 91.2  | 90.7  | 91.6  | 87.8  |
| 1182.9 | 42.5° | 984.8  | 663.7 | 191.3 | 116.3 | 99.9  | 91.2  | 87.1  | 87.1  | 86.5  | 81.2  |
| 1295.8 | 45°   | 1071.8 | 709.5 | 194.6 | 113.5 | 95.8  | 87.0  | 83.8  | 82.7  | 79.9  | 74.8  |
| 1409.3 | 47.5° | 1159.4 | 756.1 | 197.1 | 108.5 | 90.9  | 83.4  | 80.6  | 77.9  | 73.8  | 69.2  |
| 1520.7 | 50°   | 1242.6 | 797.9 | 194.4 | 100.9 | 85.3  | 79.9  | 77.0  | 73.3  | 68.9  | 65.8  |
| 1626.2 | 52.5° | 1316.9 | 834.2 | 183.3 | 92.1  | 79.4  | 76.3  | 73.7  | 69.9  | 66.3  | 63.0  |
| 1721.4 | 55°   | 1381.6 | 863.6 | 163.6 | 83.7  | 74.2  | 73.2  | 70.6  | 65.8  | 60.9  | 58.1  |
| 1815.7 | 57.5° | 1443.6 | 885.9 | 139.0 | 76.8  | 69.4  | 69.7  | 65.8  | 61.5  | 56.9  | 54.0  |
| 1942.9 | 60°   | 1526.1 | 915.7 | 114.0 | 70.4  | 64.3  | 65.3  | 61.0  | 57.9  | 52.2  | 48.4  |
| 2161.0 | 62.5° | 1658.1 | 962.2 | 90.6  | 62.5  | 58.4  | 58.7  | 56.9  | 53.2  | 46.3  | 41.8  |
| 2322.6 | 65°   | 1762.7 | 945.1 | 71.4  | 54.0  | 51.7  | 52.2  | 52.2  | 48.1  | 40.7  | 35.6  |
| 2331.3 | 67.5° | 1750.9 | 809.3 | 56.9  | 45.6  | 45.3  | 45.6  | 46.8  | 43.3  | 36.1  | 32.0  |
| 2153.7 | 70°   | 1612.9 | 643.7 | 45.6  | 37.9  | 39.4  | 38.6  | 41.8  | 39.5  | 32.5  | 28.4  |
| 1669.7 | 72.5° | 1316.1 | 463.7 | 34.8  | 31.3  | 30.2  | 31.5  | 37.7  | 35.6  | 27.1  | 22.5  |
| 884.4  | 75°   | 769.1  | 247.4 | 25.9  | 24.8  | 21.8  | 26.3  | 33.5  | 30.4  | 20.7  | 16.6  |
| 271.1  | 77.5° | 250.4  | 86.3  | 19.0  | 18.2  | 16.2  | 21.2  | 28.6  | 25.6  | 16.9  | 13.1  |
| 79.4   | 80°   | 67.1   | 26.1  | 13.0  | 12.0  | 10.5  | 15.8  | 22.6  | 20.3  | 12.1  | 8.5   |
| 34.1   | 82.5° | 26.9   | 11.0  | 7.5   | 6.7   | 5.7   | 10.8  | 17.9  | 16.4  | 9.0   | 5.4   |
| 10.7   | 85°   | 8.7    | 3.6   | 2.8   | 2.1   | 2.6   | 6.7   | 10.7  | 11.2  | 6.4   | 2.8   |
| 1.6    | 87.5° | 1.1    | 0.5   | 0.5   | 0.7   | 0.5   | 1.1   | 3.3   | 3.1   | 1.8   | 0.3   |
| 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°  |
|-------|
| 377.6 |
| 332.9 |
| 269.4 |
| 208.4 |
| 170.2 |
| 156.2 |
| 151.4 |
| 146.0 |
| 138.5 |
| 128.8 |
| 118.3 |
| 108.1 |
| 100.1 |
| 94.7  |
| 90.6  |
| 90.9  |
| 87.9  |
| 81.2  |
| 74.7  |
| 69.1  |
| 65.3  |
| 62.7  |
| 57.8  |
| 53.7  |
| 47.9  |
| 41.5  |
| 35.1  |
| 31.3  |
| 27.9  |
| 22.0  |
| 16.1  |
| 12.6  |
| 8.4   |
| 5.4   |
| 2.1   |
| 0.0   |
| 0.0   |