

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: P939540

Luminaire Tested: **GLAN-SB2A-940-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P939540  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2A-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6575 lumens  
Efficiency: N/A  
Efficacy: 114.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 57.3  
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

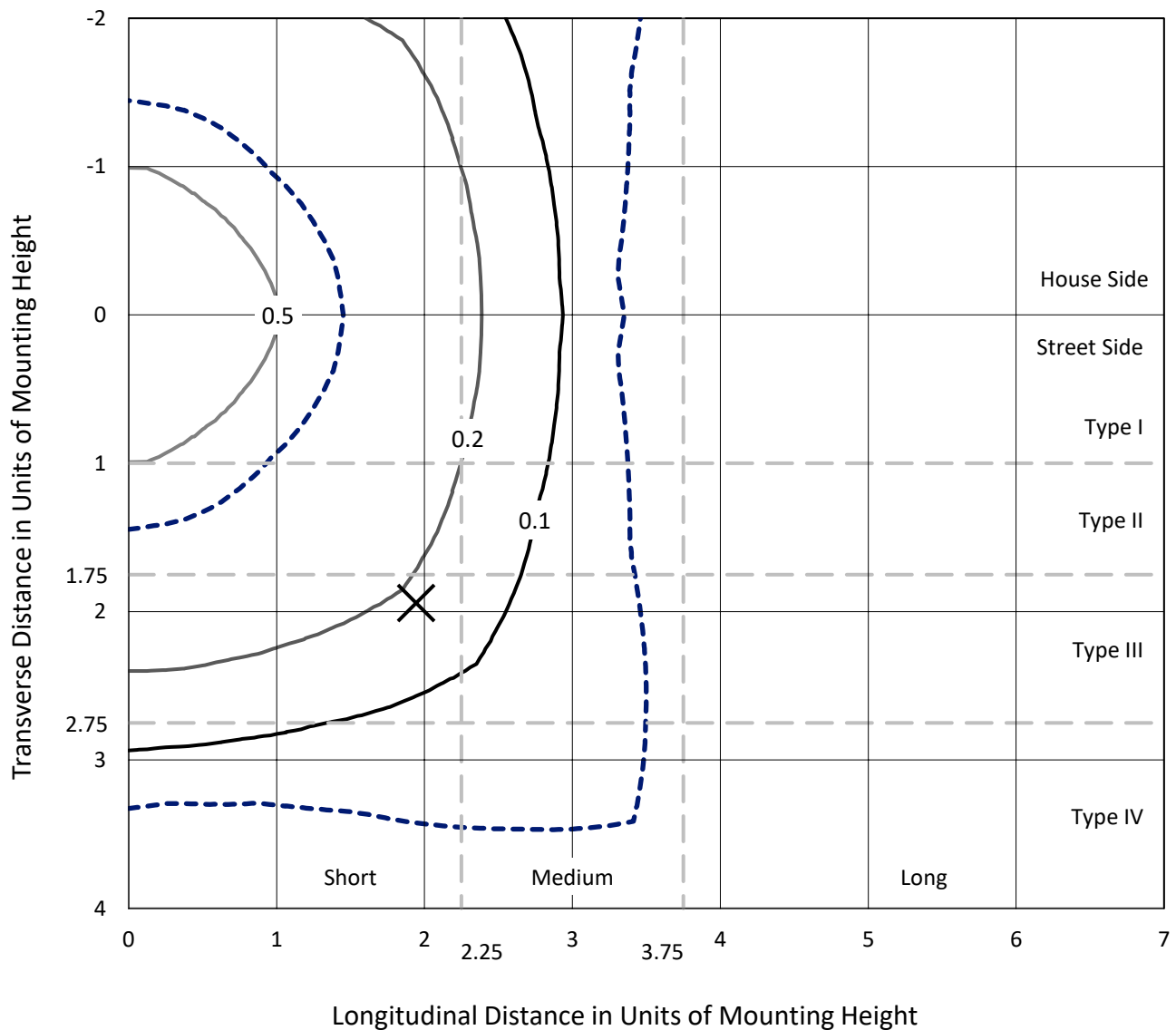


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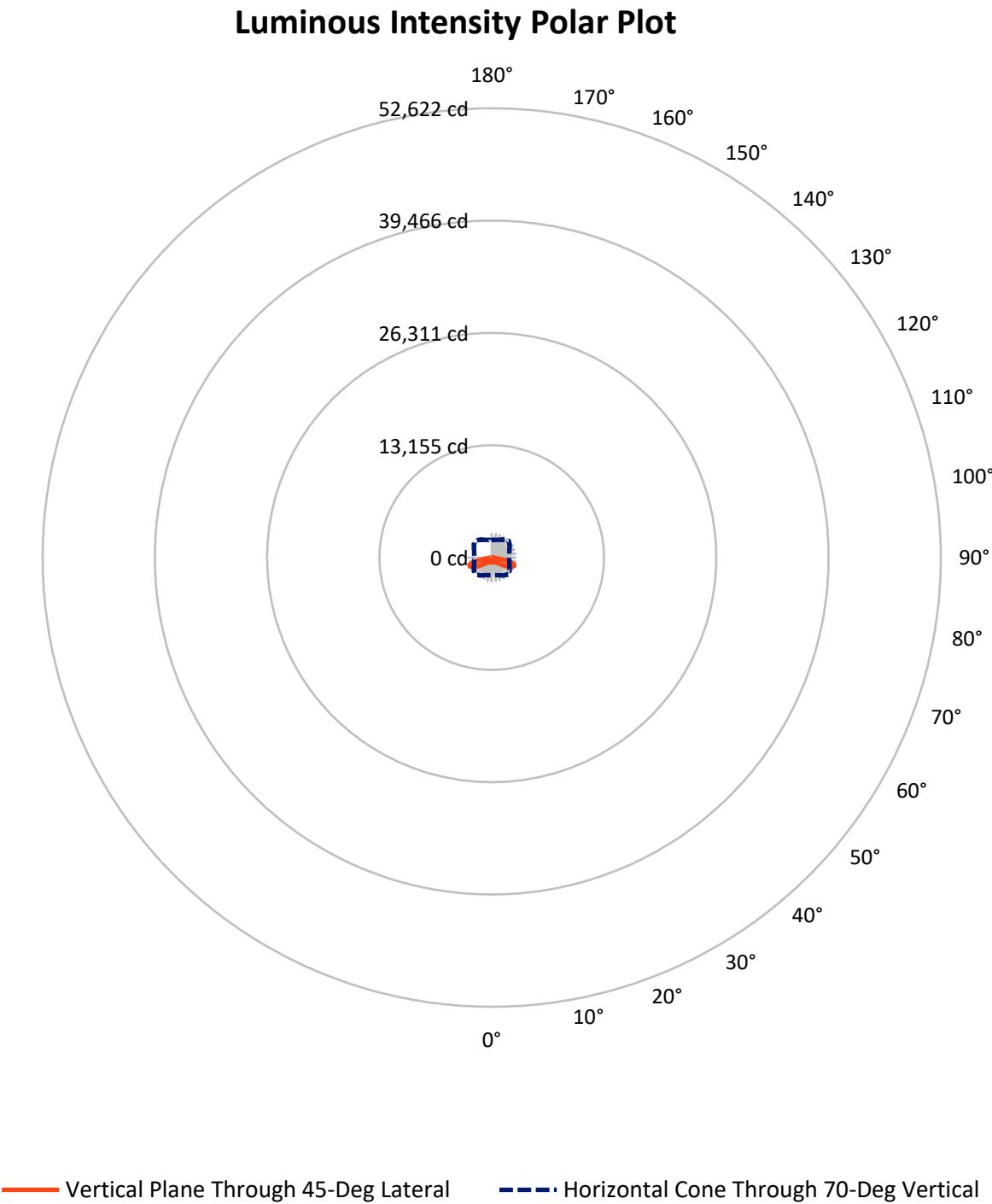
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
Type V - Short - N/A

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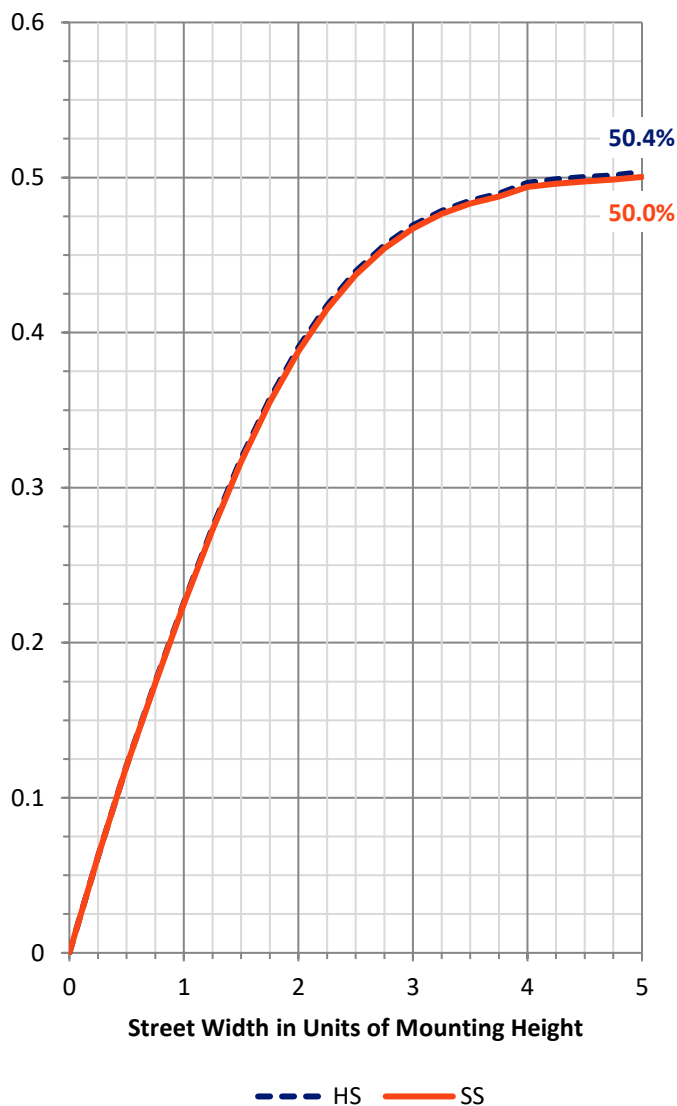
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3287.5   | 0.0    | 3287.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3287.5   | 0.0    | 3287.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6575.0   | 0.0    | 6575.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.8   | 0.8       |
| 10°-20°   | 163.8  | 2.5       |
| 20°-30°   | 272.6  | 4.1       |
| 30°-40°   | 412.3  | 6.3       |
| 40°-50°   | 685.1  | 10.4      |
| 50°-60°   | 1292.8 | 19.7      |
| 60°-70°   | 2183.0 | 33.2      |
| 70°-80°   | 1434.4 | 21.8      |
| 80°-90°   | 75.1   | 1.1       |
| 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°    | 6575.0 | 100.0     |
| 0°-180°   | 6575.0 | 100.0     |

**Coefficient of Utilization**



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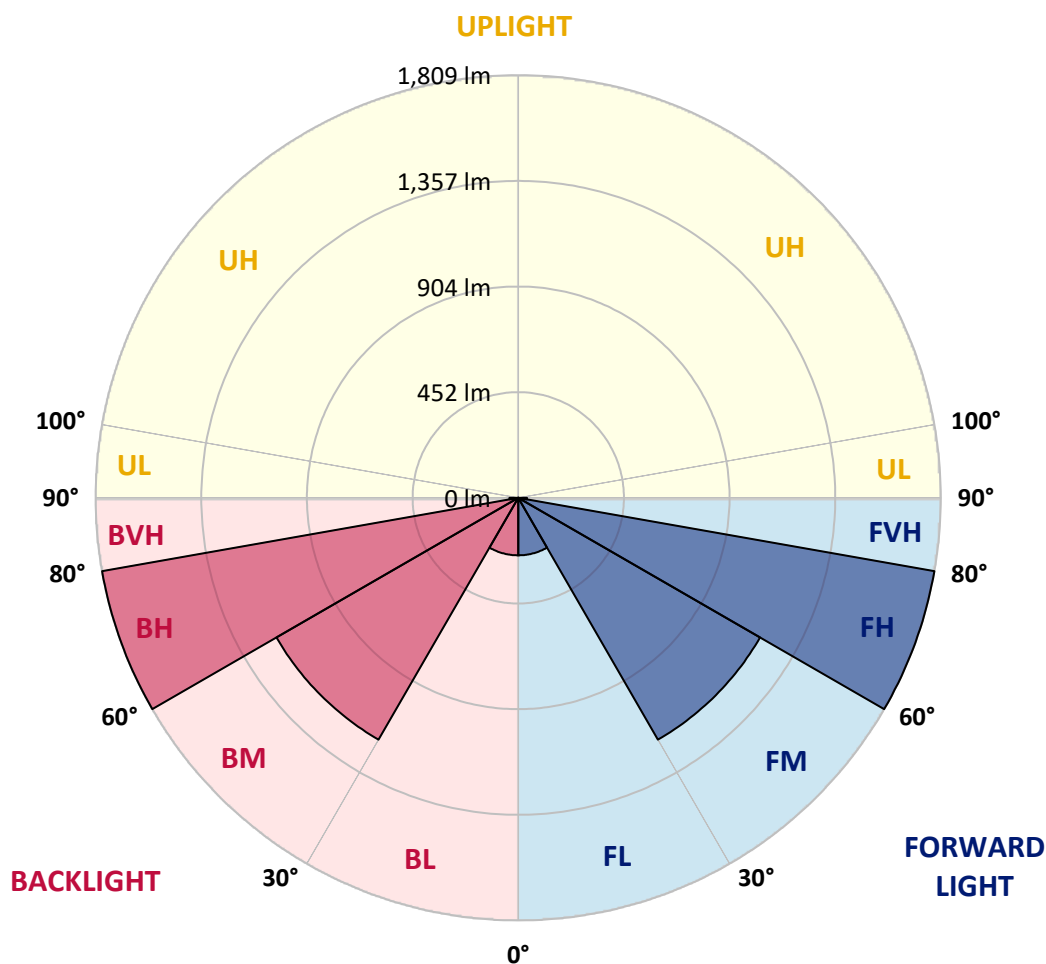
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 246.1  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 1195.1 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 1808.7 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 37.6   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 246.1  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1195.1 | 18.2      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1808.7 | 27.5      | B3/2500                 |      | G2/5000 |
| BVH  | (80°-90°)   | 37.6   | 0.6       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  | 599.8  |
| 2.5°  | 596.0  | 597.7  | 597.0  | 595.7  | 595.7  | 594.6  | 595.7  | 596.4  | 597.4  | 598.1  |
| 5°    | 588.2  | 589.5  | 589.2  | 588.2  | 588.5  | 587.5  | 588.2  | 589.2  | 589.9  | 590.2  |
| 7.5°  | 581.3  | 582.7  | 582.0  | 580.3  | 580.3  | 579.3  | 579.6  | 580.6  | 581.7  | 582.0  |
| 10°   | 579.6  | 581.0  | 578.9  | 576.2  | 575.2  | 573.8  | 574.1  | 575.2  | 577.2  | 578.2  |
| 12.5° | 580.3  | 581.3  | 579.3  | 575.2  | 574.1  | 572.8  | 572.8  | 573.8  | 576.5  | 577.9  |
| 15°   | 582.3  | 583.4  | 580.3  | 575.8  | 574.8  | 573.8  | 573.5  | 574.8  | 577.9  | 580.3  |
| 17.5° | 586.1  | 587.1  | 582.3  | 576.2  | 574.8  | 575.2  | 574.8  | 575.8  | 580.6  | 585.1  |
| 20°   | 589.5  | 590.2  | 583.7  | 576.2  | 574.8  | 575.2  | 574.8  | 576.9  | 583.0  | 589.2  |
| 22.5° | 590.5  | 591.2  | 585.1  | 578.6  | 577.6  | 577.9  | 577.6  | 579.6  | 585.4  | 591.6  |
| 25°   | 590.9  | 591.9  | 587.1  | 582.0  | 583.7  | 584.4  | 583.7  | 584.1  | 588.5  | 594.0  |
| 27.5° | 596.0  | 597.4  | 592.9  | 588.5  | 589.5  | 589.2  | 590.2  | 591.2  | 594.6  | 600.1  |
| 30°   | 606.6  | 607.6  | 603.9  | 599.4  | 598.7  | 596.4  | 599.4  | 602.8  | 606.6  | 611.4  |
| 32.5° | 624.0  | 626.1  | 621.3  | 616.5  | 613.4  | 612.1  | 614.5  | 620.3  | 625.4  | 630.5  |
| 35°   | 653.1  | 654.5  | 650.0  | 641.1  | 635.7  | 635.7  | 637.7  | 645.2  | 653.4  | 659.9  |
| 37.5° | 694.1  | 695.8  | 687.9  | 677.3  | 669.1  | 669.1  | 671.9  | 679.7  | 692.0  | 701.3  |
| 40°   | 744.0  | 746.4  | 736.5  | 725.5  | 717.7  | 716.3  | 719.7  | 728.6  | 740.2  | 751.9  |
| 42.5° | 804.1  | 806.9  | 793.9  | 784.3  | 778.2  | 778.2  | 779.9  | 788.1  | 798.7  | 813.0  |
| 45°   | 881.0  | 885.8  | 868.0  | 858.5  | 852.7  | 854.0  | 855.1  | 862.2  | 871.8  | 888.2  |
| 47.5° | 972.6  | 977.4  | 958.6  | 948.7  | 947.7  | 954.2  | 950.1  | 955.2  | 960.3  | 979.1  |
| 50°   | 1076.5 | 1084.7 | 1071.7 | 1071.0 | 1073.1 | 1085.1 | 1075.5 | 1078.2 | 1072.4 | 1084.4 |
| 52.5° | 1203.6 | 1215.6 | 1213.2 | 1217.3 | 1240.2 | 1264.8 | 1242.9 | 1233.4 | 1211.5 | 1215.3 |
| 55°   | 1357.8 | 1375.9 | 1379.3 | 1403.9 | 1455.9 | 1506.1 | 1459.6 | 1421.0 | 1374.5 | 1366.0 |
| 57.5° | 1533.1 | 1547.4 | 1563.9 | 1614.1 | 1711.1 | 1800.3 | 1711.1 | 1625.7 | 1552.6 | 1535.1 |
| 60°   | 1721.7 | 1739.5 | 1755.2 | 1829.4 | 1973.6 | 2099.0 | 1970.9 | 1835.2 | 1738.5 | 1714.9 |
| 62.5° | 1924.4 | 1947.3 | 1958.2 | 2040.6 | 2208.7 | 2358.4 | 2211.1 | 2046.7 | 1939.4 | 1914.1 |
| 65°   | 2118.9 | 2137.7 | 2150.0 | 2237.8 | 2398.4 | 2548.4 | 2409.3 | 2247.4 | 2137.0 | 2103.8 |
| 67.5° | 2209.4 | 2219.7 | 2249.7 | 2349.2 | 2518.7 | 2689.9 | 2547.4 | 2359.8 | 2236.4 | 2178.3 |
| 70°   | 2076.8 | 2056.0 | 2128.4 | 2287.7 | 2533.1 | 2776.7 | 2565.9 | 2282.9 | 2131.8 | 2037.5 |
| 72.5° | 1604.9 | 1569.0 | 1694.7 | 1967.1 | 2369.0 | 2721.4 | 2385.4 | 1982.5 | 1773.0 | 1581.6 |
| 75°   | 873.2  | 832.5  | 1006.1 | 1350.6 | 1889.2 | 2358.8 | 1932.6 | 1389.2 | 1120.3 | 866.7  |
| 77.5° | 246.4  | 231.0  | 371.1  | 653.4  | 1136.3 | 1656.1 | 1180.1 | 667.8  | 440.2  | 261.1  |
| 80°   | 75.5   | 73.1   | 99.1   | 196.8  | 482.6  | 793.2  | 463.8  | 199.2  | 126.1  | 79.6   |
| 82.5° | 44.8   | 41.0   | 49.2   | 71.8   | 123.0  | 249.1  | 119.6  | 74.8   | 60.1   | 40.3   |
| 85°   | 25.6   | 23.9   | 29.0   | 34.9   | 41.4   | 53.0   | 34.5   | 35.5   | 32.1   | 21.5   |
| 87.5° | 10.6   | 9.6    | 11.3   | 10.9   | 9.6    | 12.3   | 9.2    | 10.9   | 13.0   | 8.5    |
| 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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| 90°    |
|--------|
| 599.8  |
| 597.7  |
| 590.2  |
| 582.0  |
| 578.2  |
| 578.2  |
| 580.6  |
| 585.1  |
| 589.5  |
| 591.6  |
| 593.6  |
| 598.7  |
| 610.4  |
| 628.5  |
| 657.5  |
| 697.9  |
| 748.1  |
| 812.0  |
| 887.5  |
| 973.6  |
| 1077.2 |
| 1202.6 |
| 1352.6 |
| 1522.8 |
| 1694.4 |
| 1893.6 |
| 2087.4 |
| 2179.0 |
| 2060.1 |
| 1629.1 |
| 923.1  |
| 290.1  |
| 84.1   |
| 43.7   |
| 22.6   |
| 7.9    |
| 0.0    |