

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: P846831

Luminaire Tested: **GLAN-SB2C-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846831  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9756 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

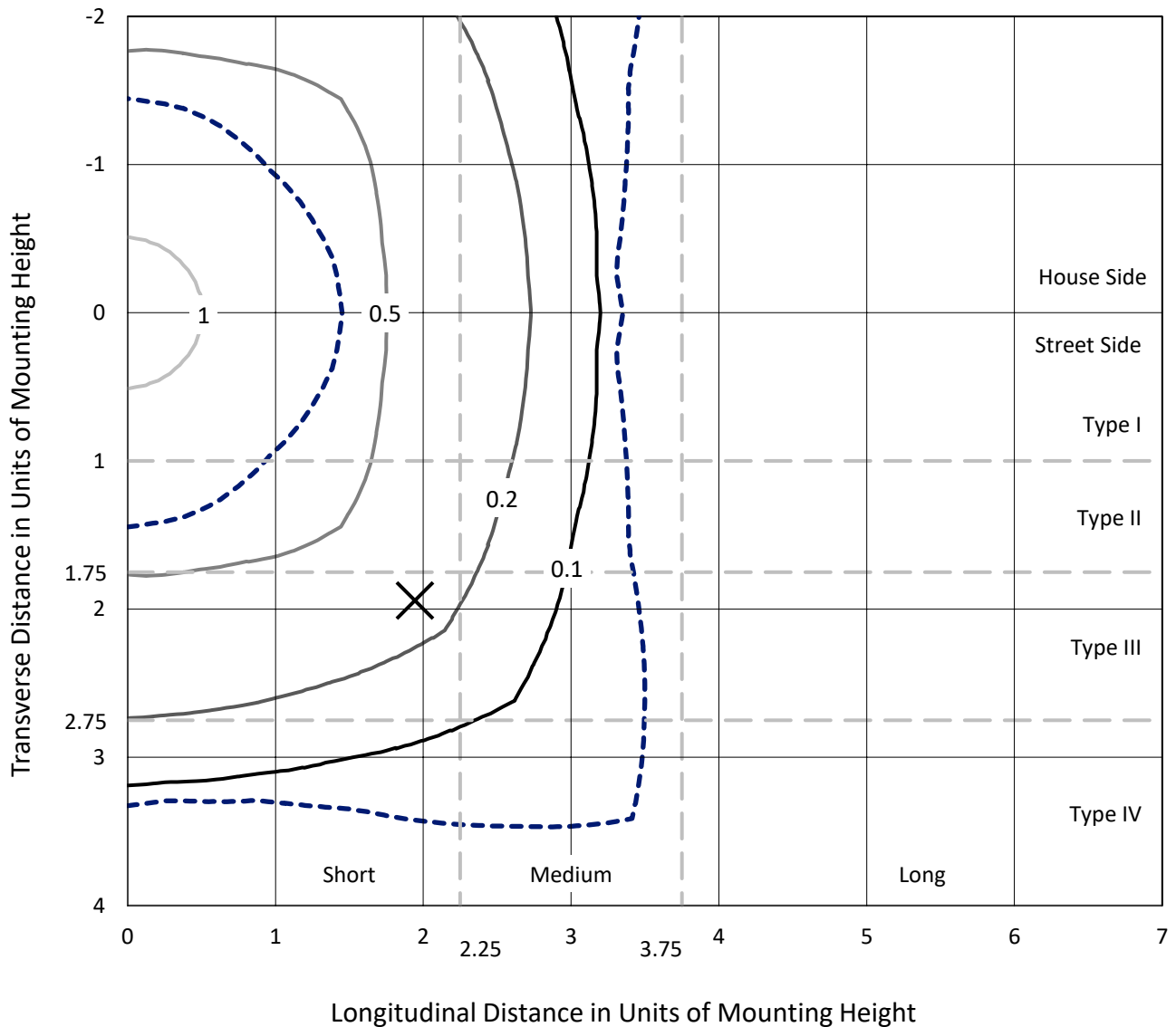
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

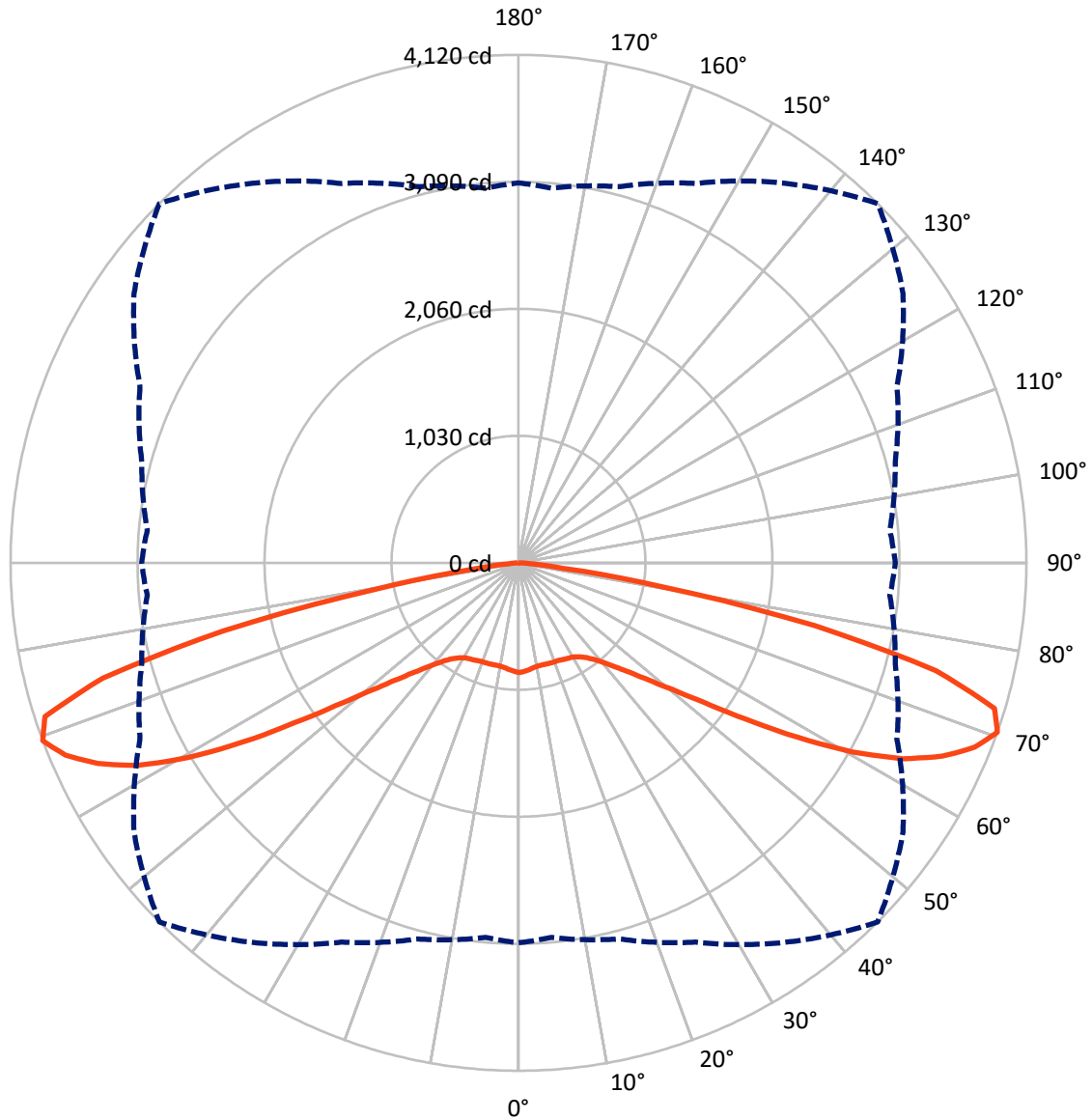
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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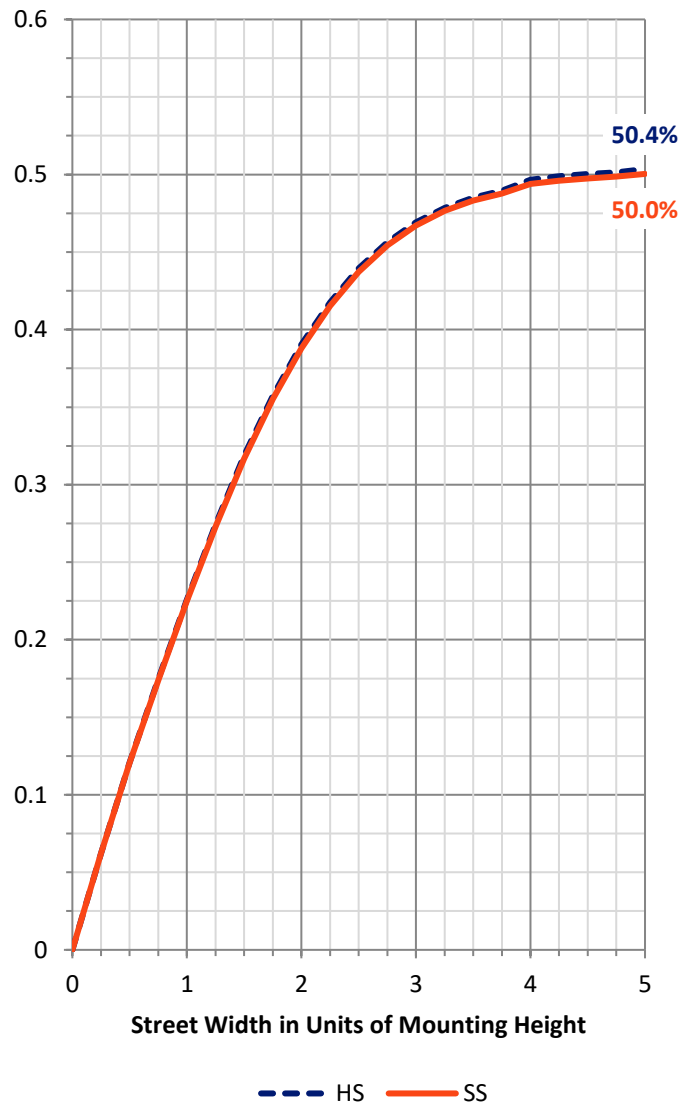
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 4878.0   | 0.0    | 4878.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 4878.0   | 0.0    | 4878.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 9756.0   | 0.0    | 9756.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.8   | 0.8       |
| 10°-20°   | 243.1  | 2.5       |
| 20°-30°   | 404.5  | 4.1       |
| 30°-40°   | 611.8  | 6.3       |
| 40°-50°   | 1016.6 | 10.4      |
| 50°-60°   | 1918.3 | 19.7      |
| 60°-70°   | 3239.1 | 33.2      |
| 70°-80°   | 2128.4 | 21.8      |
| 80°-90°   | 111.5  | 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°    | 9756.0 | 100.0     |
| 0°-180°   | 9756.0 | 100.0     |

**Coefficient of Utilization**

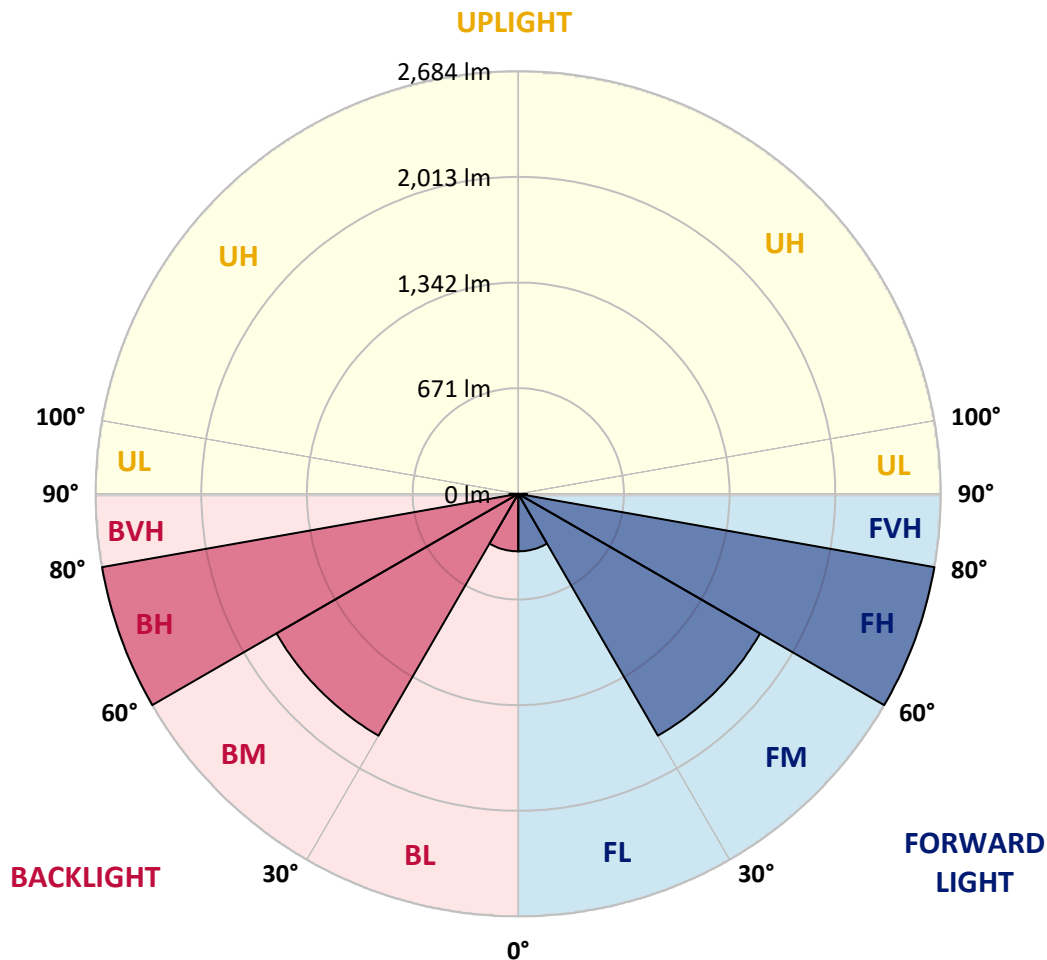


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 365.2  | 3.7       |                         |      |         |
| FM (30°-60°)   | 1773.3 | 18.2      |                         |      |         |
| FH (60°-80°)   | 2683.8 | 27.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 55.8   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 365.2  | 3.7       | B1/500                  |      |         |
| BM (30°-60°)   | 1773.3 | 18.2      | B2/2500                 |      |         |
| BH (60°-80°)   | 2683.8 | 27.5      | B4/5000                 |      | G2/5000 |
| BVH (80°-90°)  | 55.8   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G2**  
 Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  | 889.9  |
| 2.5°  | 884.4  | 886.9  | 885.9  | 883.9  | 883.9  | 882.3  | 883.9  | 884.9  | 886.4  | 887.4  |
| 5°    | 872.7  | 874.7  | 874.2  | 872.7  | 873.2  | 871.7  | 872.7  | 874.2  | 875.2  | 875.7  |
| 7.5°  | 862.6  | 864.6  | 863.6  | 861.0  | 861.0  | 859.5  | 860.0  | 861.5  | 863.1  | 863.6  |
| 10°   | 860.0  | 862.1  | 859.0  | 855.0  | 853.4  | 851.4  | 851.9  | 853.4  | 856.5  | 858.0  |
| 12.5° | 861.0  | 862.6  | 859.5  | 853.4  | 851.9  | 849.9  | 849.9  | 851.4  | 855.5  | 857.5  |
| 15°   | 864.1  | 865.6  | 861.0  | 854.4  | 852.9  | 851.4  | 850.9  | 852.9  | 857.5  | 861.0  |
| 17.5° | 869.7  | 871.2  | 864.1  | 855.0  | 852.9  | 853.4  | 852.9  | 854.4  | 861.5  | 868.1  |
| 20°   | 874.7  | 875.7  | 866.1  | 855.0  | 852.9  | 853.4  | 852.9  | 856.0  | 865.1  | 874.2  |
| 22.5° | 876.3  | 877.3  | 868.1  | 858.5  | 857.0  | 857.5  | 857.0  | 860.0  | 868.6  | 877.8  |
| 25°   | 876.8  | 878.3  | 871.2  | 863.6  | 866.1  | 867.1  | 866.1  | 866.6  | 873.2  | 881.3  |
| 27.5° | 884.4  | 886.4  | 879.8  | 873.2  | 874.7  | 874.2  | 875.7  | 877.3  | 882.3  | 890.5  |
| 30°   | 900.1  | 901.6  | 896.0  | 889.4  | 888.4  | 884.9  | 889.4  | 894.5  | 900.1  | 907.2  |
| 32.5° | 925.9  | 929.0  | 921.9  | 914.8  | 910.2  | 908.2  | 911.7  | 920.4  | 928.0  | 935.6  |
| 35°   | 969.0  | 971.1  | 964.5  | 951.3  | 943.2  | 943.2  | 946.2  | 957.4  | 969.6  | 979.2  |
| 37.5° | 1029.9 | 1032.4 | 1020.8 | 1005.1 | 992.9  | 992.9  | 996.9  | 1008.6 | 1026.9 | 1040.5 |
| 40°   | 1103.9 | 1107.5 | 1092.8 | 1076.6 | 1064.9 | 1062.9 | 1067.9 | 1081.1 | 1098.4 | 1115.6 |
| 42.5° | 1193.2 | 1197.2 | 1178.0 | 1163.8 | 1154.6 | 1154.6 | 1157.2 | 1169.4 | 1185.1 | 1206.4 |
| 45°   | 1307.3 | 1314.4 | 1288.0 | 1273.8 | 1265.2 | 1267.2 | 1268.7 | 1279.4 | 1293.6 | 1317.9 |
| 47.5° | 1443.2 | 1450.3 | 1422.4 | 1407.7 | 1406.2 | 1415.8 | 1409.7 | 1417.3 | 1424.9 | 1452.8 |
| 50°   | 1597.3 | 1609.5 | 1590.2 | 1589.2 | 1592.3 | 1610.0 | 1595.8 | 1599.9 | 1591.2 | 1609.0 |
| 52.5° | 1786.0 | 1803.7 | 1800.2 | 1806.3 | 1840.2 | 1876.7 | 1844.3 | 1830.1 | 1797.6 | 1803.2 |
| 55°   | 2014.7 | 2041.5 | 2046.6 | 2083.1 | 2160.2 | 2234.7 | 2165.8 | 2108.5 | 2039.5 | 2026.8 |
| 57.5° | 2274.8 | 2296.1 | 2320.4 | 2395.0 | 2539.0 | 2671.4 | 2539.0 | 2412.2 | 2303.7 | 2277.9 |
| 60°   | 2554.7 | 2581.1 | 2604.4 | 2714.5 | 2928.4 | 3114.5 | 2924.4 | 2723.1 | 2579.6 | 2544.6 |
| 62.5° | 2855.4 | 2889.4 | 2905.6 | 3027.8 | 3277.3 | 3499.4 | 3280.9 | 3037.0 | 2877.7 | 2840.2 |
| 65°   | 3144.0 | 3171.9 | 3190.1 | 3320.4 | 3558.8 | 3781.4 | 3575.0 | 3334.6 | 3170.8 | 3121.6 |
| 67.5° | 3278.3 | 3293.6 | 3338.2 | 3485.7 | 3737.3 | 3991.3 | 3779.9 | 3501.5 | 3318.4 | 3232.2 |
| 70°   | 3081.6 | 3050.7 | 3158.2 | 3394.5 | 3758.6 | 4120.1 | 3807.2 | 3387.4 | 3163.2 | 3023.3 |
| 72.5° | 2381.3 | 2328.1 | 2514.7 | 2918.8 | 3515.2 | 4038.0 | 3539.5 | 2941.6 | 2630.8 | 2346.8 |
| 75°   | 1295.6 | 1235.3 | 1492.9 | 2004.0 | 2803.2 | 3499.9 | 2867.6 | 2061.3 | 1662.2 | 1286.0 |
| 77.5° | 365.6  | 342.8  | 550.7  | 969.6  | 1686.1 | 2457.4 | 1751.0 | 990.9  | 653.1  | 387.4  |
| 80°   | 112.1  | 108.5  | 147.1  | 292.1  | 716.0  | 1177.0 | 688.1  | 295.6  | 187.1  | 118.2  |
| 82.5° | 66.4   | 60.9   | 73.0   | 106.5  | 182.6  | 369.7  | 177.5  | 111.1  | 89.2   | 59.8   |
| 85°   | 38.0   | 35.5   | 43.1   | 51.7   | 61.4   | 78.6   | 51.2   | 52.7   | 47.7   | 31.9   |
| 87.5° | 15.7   | 14.2   | 16.7   | 16.2   | 14.2   | 18.3   | 13.7   | 16.2   | 19.3   | 12.7   |
| 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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|        |
|--------|
| 90°    |
| 889.9  |
| 886.9  |
| 875.7  |
| 863.6  |
| 858.0  |
| 858.0  |
| 861.5  |
| 868.1  |
| 874.7  |
| 877.8  |
| 880.8  |
| 888.4  |
| 905.7  |
| 932.5  |
| 975.6  |
| 1035.5 |
| 1110.0 |
| 1204.8 |
| 1316.9 |
| 1444.7 |
| 1598.3 |
| 1784.5 |
| 2007.1 |
| 2259.6 |
| 2514.2 |
| 2809.8 |
| 3097.3 |
| 3233.2 |
| 3056.7 |
| 2417.3 |
| 1369.7 |
| 430.5  |
| 124.7  |
| 64.9   |
| 33.5   |
| 11.7   |
| 0.0    |

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