

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: P945335

Luminaire Tested: **GLAN-SB1B-827-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945335  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-827-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

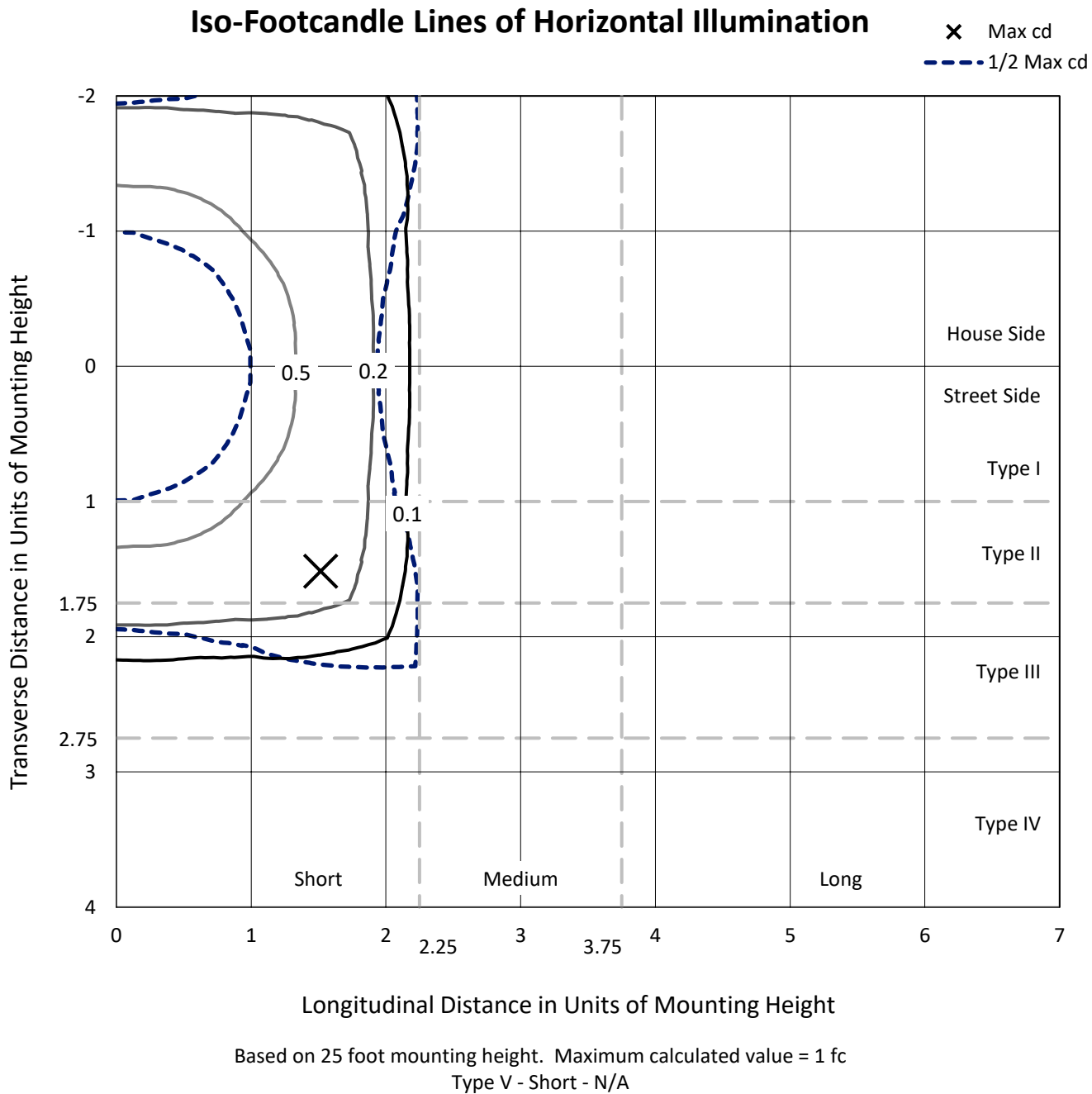
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5133 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

Input Watts (W): 39.8  
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



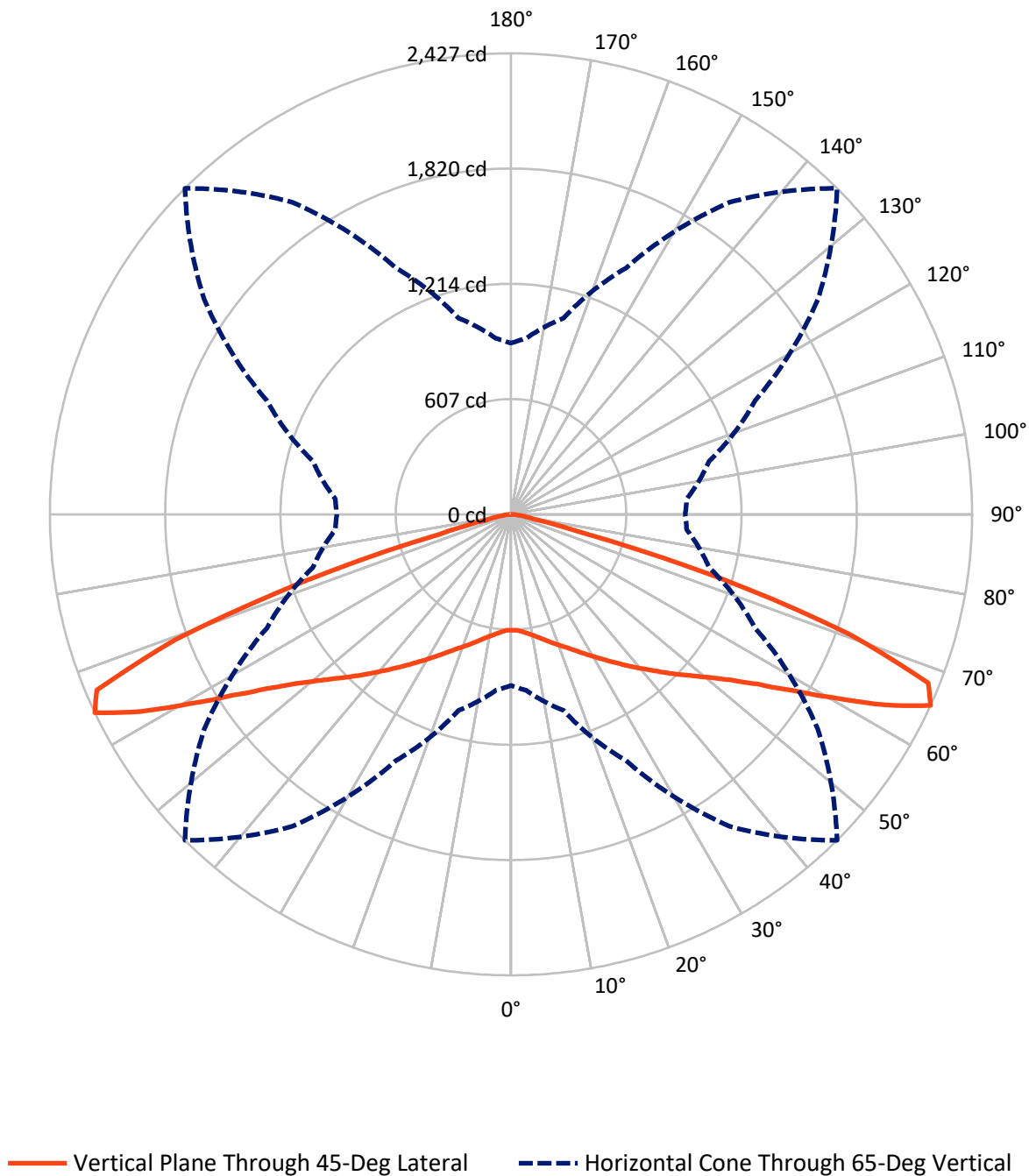
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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2566.5   | 0.0    | 2566.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 2566.5   | 0.0    | 2566.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 5133.0   | 0.0    | 5133.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.3   | 1.2       |
| 10°-20°   | 196.7  | 3.8       |
| 20°-30°   | 371.4  | 7.2       |
| 30°-40°   | 608.2  | 11.8      |
| 40°-50°   | 943.0  | 18.4      |
| 50°-60°   | 1393.1 | 27.1      |
| 60°-70°   | 1326.1 | 25.8      |
| 70°-80°   | 214.0  | 4.2       |
| 80°-90°   | 20.2   | 0.4       |
| 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°    | 5133.0 | 100.0     |
| 0°-180°   | 5133.0 | 100.0     |

**Coefficient of Utilization**



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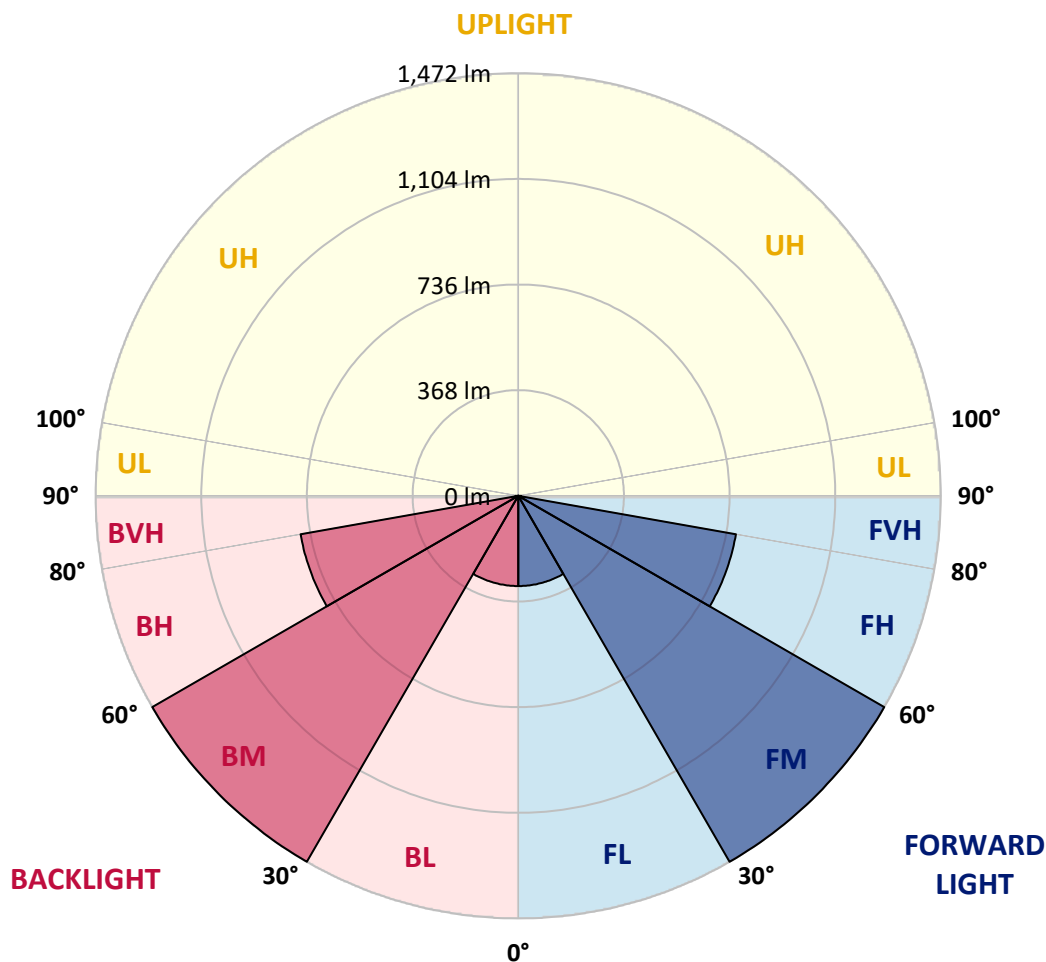
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 314.2  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 1472.2 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 770.0  | 15.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 10.1   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 314.2  | 6.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1472.2 | 28.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 770.0  | 15.0      | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 10.1   | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  | 610.9  |
| 2.5°  | 615.0  | 612.9  | 614.5  | 613.2  | 612.2  | 611.1  | 611.7  | 613.5  | 614.2  | 614.5  |
| 5°    | 623.2  | 621.4  | 622.2  | 622.2  | 620.4  | 619.9  | 620.1  | 621.4  | 623.0  | 623.0  |
| 7.5°  | 636.6  | 634.8  | 636.6  | 635.6  | 634.1  | 633.5  | 633.3  | 634.3  | 636.6  | 636.6  |
| 10°   | 652.9  | 650.8  | 651.8  | 651.3  | 649.5  | 648.7  | 648.5  | 650.0  | 652.1  | 651.8  |
| 12.5° | 670.6  | 668.3  | 669.6  | 668.1  | 667.5  | 666.8  | 666.8  | 666.5  | 667.8  | 666.8  |
| 15°   | 690.5  | 688.9  | 689.4  | 688.4  | 689.2  | 688.7  | 686.6  | 685.6  | 686.1  | 684.5  |
| 17.5° | 713.9  | 710.3  | 712.1  | 711.6  | 711.6  | 712.6  | 709.3  | 708.0  | 709.0  | 707.5  |
| 20°   | 740.9  | 737.3  | 738.1  | 737.1  | 735.8  | 736.8  | 732.7  | 733.7  | 734.5  | 733.5  |
| 22.5° | 770.6  | 765.9  | 765.7  | 766.2  | 763.3  | 763.6  | 760.8  | 763.3  | 764.9  | 762.1  |
| 25°   | 800.9  | 796.0  | 799.4  | 798.1  | 794.5  | 795.3  | 793.2  | 795.8  | 797.1  | 793.5  |
| 27.5° | 833.1  | 829.8  | 832.9  | 833.6  | 829.3  | 832.4  | 829.3  | 831.6  | 832.9  | 827.5  |
| 30°   | 870.7  | 867.4  | 870.2  | 872.3  | 867.1  | 872.0  | 869.4  | 871.0  | 871.2  | 864.8  |
| 32.5° | 911.7  | 906.5  | 913.7  | 914.8  | 909.1  | 915.0  | 911.7  | 913.7  | 915.0  | 906.3  |
| 35°   | 961.6  | 955.2  | 963.4  | 962.2  | 957.3  | 962.2  | 959.1  | 962.2  | 965.2  | 954.7  |
| 37.5° | 1015.5 | 1008.8 | 1017.5 | 1015.2 | 1010.6 | 1013.9 | 1012.1 | 1014.2 | 1019.1 | 1007.7 |
| 40°   | 1074.7 | 1066.5 | 1078.3 | 1074.2 | 1069.8 | 1069.3 | 1070.3 | 1071.6 | 1078.1 | 1065.4 |
| 42.5° | 1138.1 | 1129.3 | 1147.1 | 1140.6 | 1134.5 | 1130.3 | 1133.7 | 1136.3 | 1142.4 | 1128.3 |
| 45°   | 1210.4 | 1200.4 | 1223.6 | 1215.8 | 1206.0 | 1197.5 | 1203.0 | 1206.8 | 1215.8 | 1198.8 |
| 47.5° | 1290.3 | 1278.9 | 1303.7 | 1301.3 | 1285.4 | 1266.8 | 1279.2 | 1290.3 | 1297.0 | 1276.4 |
| 50°   | 1368.3 | 1359.5 | 1392.0 | 1394.8 | 1375.2 | 1349.2 | 1366.5 | 1383.2 | 1385.0 | 1358.0 |
| 52.5° | 1441.4 | 1432.7 | 1479.8 | 1497.6 | 1480.1 | 1449.2 | 1467.4 | 1484.4 | 1470.8 | 1435.8 |
| 55°   | 1499.9 | 1492.7 | 1552.7 | 1598.5 | 1604.5 | 1579.0 | 1589.8 | 1589.3 | 1544.5 | 1490.6 |
| 57.5° | 1514.1 | 1513.0 | 1588.7 | 1685.8 | 1747.6 | 1750.7 | 1729.4 | 1674.8 | 1578.2 | 1505.8 |
| 60°   | 1449.7 | 1456.1 | 1560.2 | 1731.4 | 1896.2 | 1964.8 | 1872.3 | 1716.5 | 1539.8 | 1439.4 |
| 62.5° | 1257.0 | 1274.0 | 1399.5 | 1675.8 | 2016.3 | 2211.0 | 1986.9 | 1653.1 | 1382.2 | 1251.1 |
| 65°   | 900.9  | 930.5  | 1069.0 | 1430.1 | 2005.4 | 2427.3 | 1970.4 | 1418.5 | 1079.3 | 928.2  |
| 67.5° | 408.7  | 438.8  | 556.5  | 979.2  | 1743.3 | 2368.6 | 1739.1 | 989.5  | 584.4  | 440.4  |
| 70°   | 148.1  | 153.2  | 191.1  | 392.0  | 1114.1 | 1887.2 | 1161.8 | 394.8  | 203.2  | 163.3  |
| 72.5° | 89.6   | 90.4   | 98.4   | 140.4  | 387.1  | 1145.8 | 403.6  | 145.0  | 100.4  | 89.1   |
| 75°   | 56.9   | 56.4   | 70.1   | 85.8   | 137.3  | 386.6  | 144.0  | 85.8   | 69.8   | 63.6   |
| 77.5° | 40.9   | 42.2   | 50.2   | 64.1   | 86.5   | 131.1  | 85.0   | 61.3   | 50.2   | 41.2   |
| 80°   | 30.6   | 31.4   | 36.6   | 50.0   | 60.8   | 81.6   | 54.1   | 45.3   | 37.9   | 25.8   |
| 82.5° | 22.1   | 22.1   | 24.0   | 36.3   | 37.1   | 44.0   | 29.4   | 31.9   | 25.0   | 18.3   |
| 85°   | 13.1   | 12.9   | 14.9   | 21.6   | 19.3   | 16.2   | 13.4   | 19.6   | 15.7   | 11.3   |
| 87.5° | 4.6    | 4.9    | 4.6    | 6.2    | 5.2    | 4.4    | 4.1    | 5.4    | 4.4    | 3.9    |
| 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°    |
|--------|
| 610.9  |
| 614.5  |
| 623.0  |
| 635.9  |
| 651.3  |
| 667.3  |
| 684.8  |
| 708.7  |
| 735.8  |
| 764.9  |
| 797.6  |
| 831.6  |
| 868.7  |
| 912.2  |
| 961.1  |
| 1014.7 |
| 1069.6 |
| 1135.7 |
| 1207.6 |
| 1283.3 |
| 1361.3 |
| 1436.8 |
| 1492.4 |
| 1501.2 |
| 1427.5 |
| 1243.4 |
| 917.1  |
| 434.0  |
| 161.2  |
| 90.7   |
| 64.1   |
| 42.0   |
| 26.5   |
| 18.3   |
| 11.1   |
| 3.6    |
| 0.0    |

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