

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: P945292

Luminaire Tested: **GLAN-SB1B-750-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945292  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

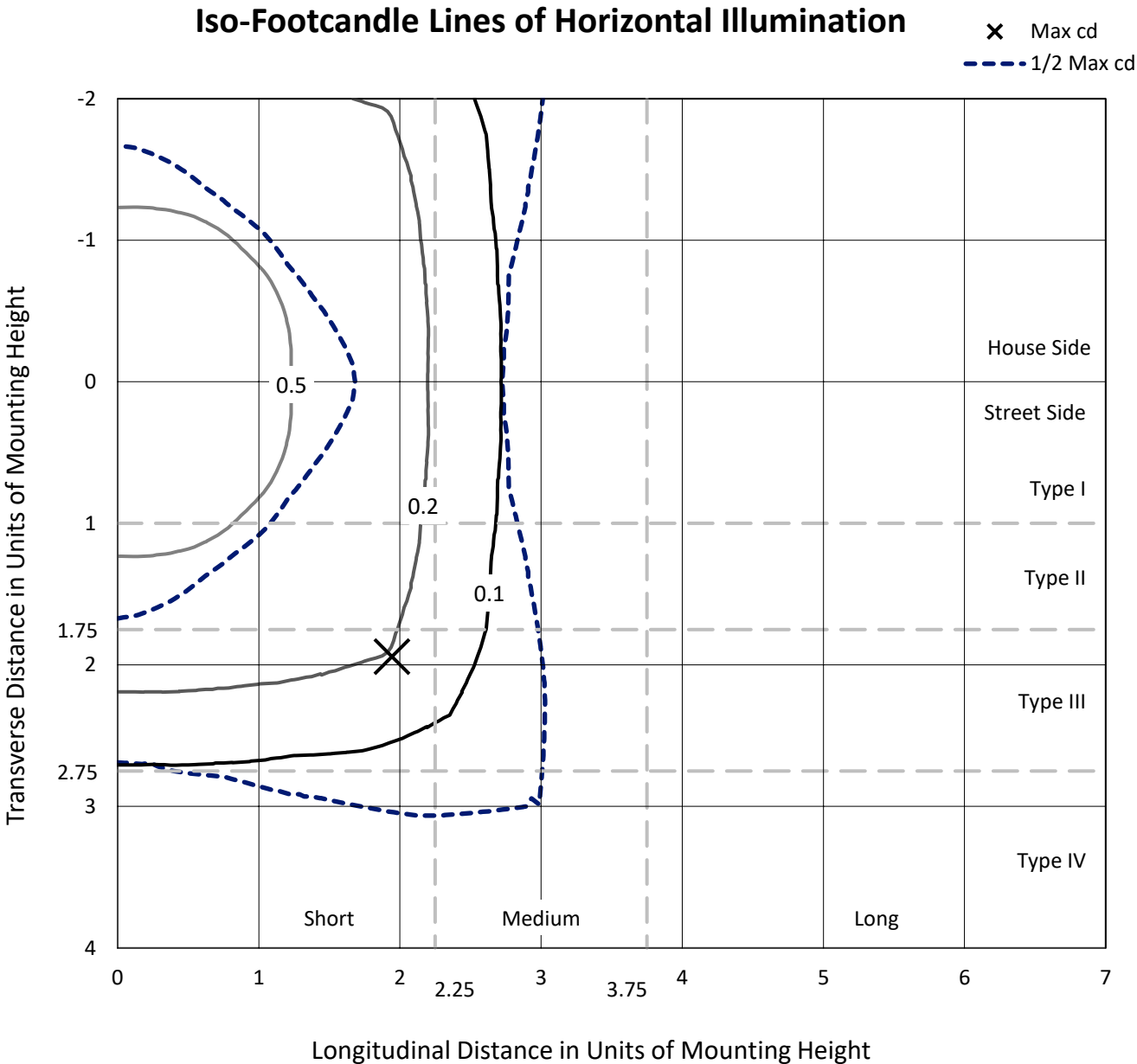
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6241 lumens  
Efficiency: N/A  
Efficacy: 156.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - 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



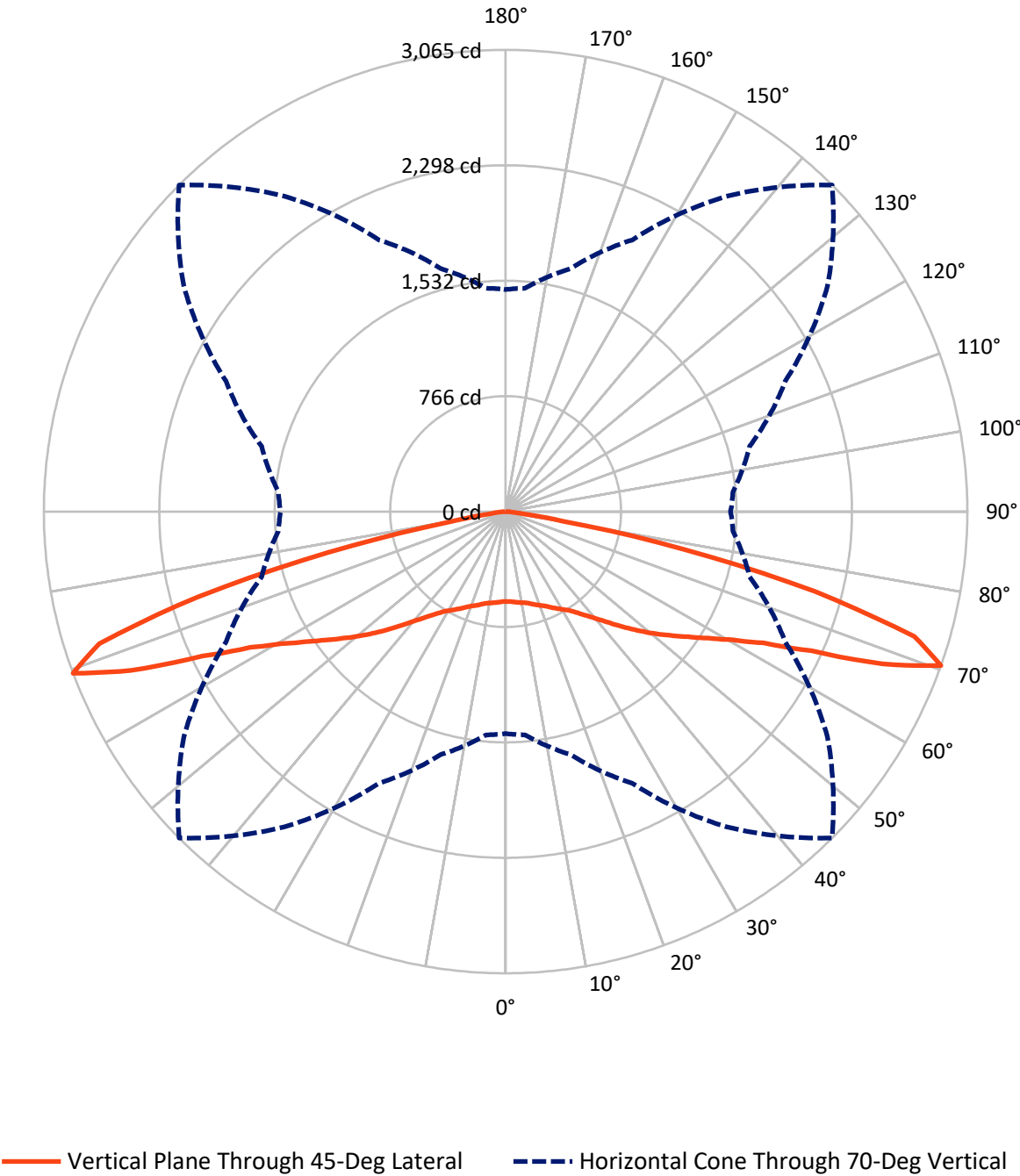
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CATALOG NUMBER: GLAN-SB1B-750-U-5MQ



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

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3120.5   | 0.0    | 3120.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3120.5   | 0.0    | 3120.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6241.0   | 0.0    | 6241.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.1   | 0.9       |
| 10°-20°   | 180.1  | 2.9       |
| 20°-30°   | 321.9  | 5.2       |
| 30°-40°   | 521.7  | 8.4       |
| 40°-50°   | 849.8  | 13.6      |
| 50°-60°   | 1295.6 | 20.8      |
| 60°-70°   | 1927.5 | 30.9      |
| 70°-80°   | 1050.6 | 16.8      |
| 80°-90°   | 35.8   | 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°    | 6241.0 | 100.0     |
| 0°-180°   | 6241.0 | 100.0     |

**Coefficient of Utilization**



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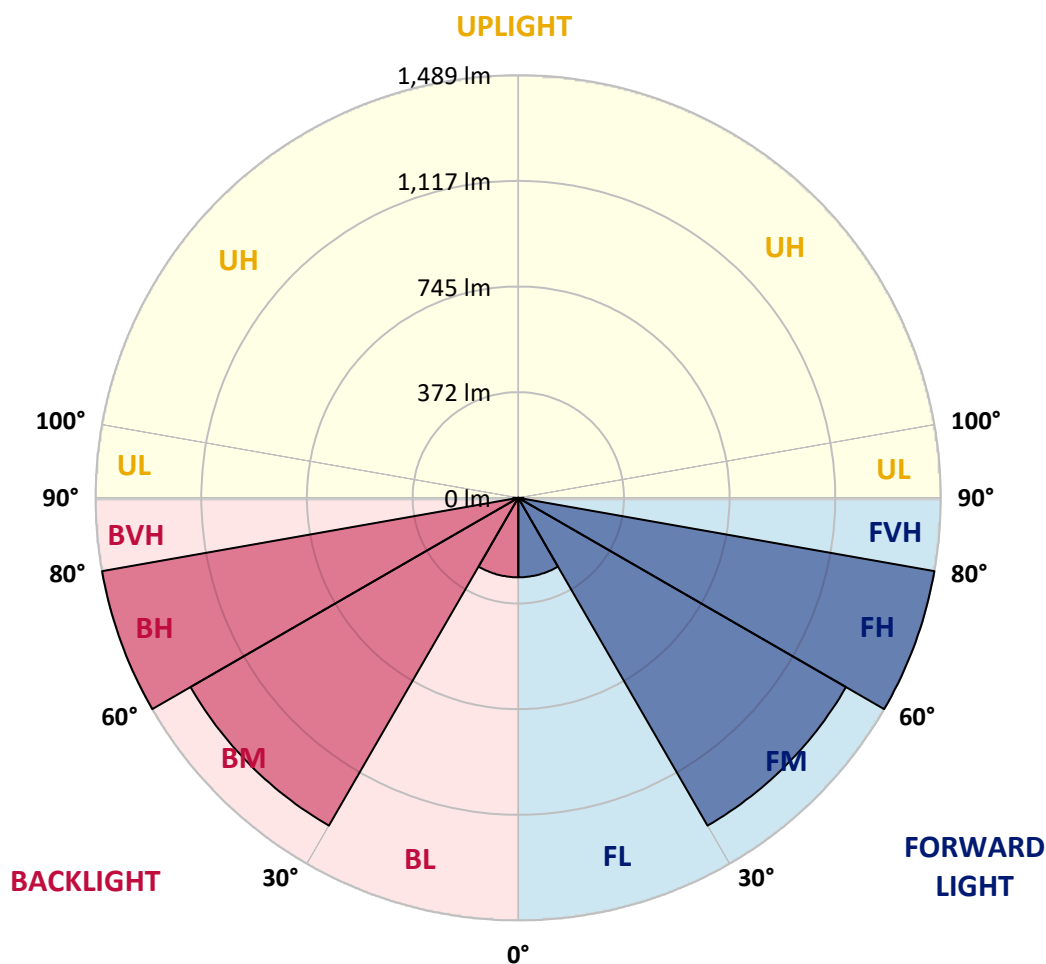
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 280.0  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 1333.6 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 1489.0 | 23.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 17.9   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 280.0  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1333.6 | 21.4      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1489.0 | 23.9      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 17.9   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  | 597.8  |
| 2.5°  | 600.6  | 601.3  | 600.0  | 599.4  | 598.8  | 597.8  | 598.1  | 599.7  | 601.0  | 600.6  |
| 5°    | 605.7  | 606.3  | 605.3  | 605.0  | 603.8  | 603.5  | 603.5  | 605.0  | 606.0  | 605.3  |
| 7.5°  | 611.3  | 612.2  | 610.7  | 610.4  | 609.7  | 609.1  | 608.8  | 610.4  | 611.3  | 611.3  |
| 10°   | 616.6  | 617.6  | 616.3  | 615.4  | 614.7  | 614.7  | 614.1  | 615.4  | 616.9  | 616.6  |
| 12.5° | 622.3  | 622.9  | 621.6  | 621.0  | 621.0  | 621.9  | 621.0  | 621.6  | 622.9  | 622.3  |
| 15°   | 629.2  | 629.5  | 629.2  | 630.1  | 631.7  | 634.8  | 632.0  | 631.3  | 632.0  | 630.4  |
| 17.5° | 638.6  | 639.2  | 640.4  | 642.6  | 644.8  | 650.5  | 645.4  | 643.9  | 643.9  | 640.7  |
| 20°   | 650.1  | 651.1  | 653.0  | 656.7  | 659.5  | 664.9  | 659.9  | 657.7  | 656.7  | 652.7  |
| 22.5° | 662.4  | 663.9  | 666.8  | 671.8  | 676.8  | 681.8  | 676.8  | 673.0  | 670.2  | 664.9  |
| 25°   | 676.5  | 678.3  | 682.7  | 690.9  | 697.8  | 705.0  | 699.0  | 691.5  | 685.9  | 678.3  |
| 27.5° | 696.5  | 698.7  | 704.0  | 714.1  | 722.8  | 729.1  | 723.5  | 713.8  | 705.9  | 696.8  |
| 30°   | 724.7  | 726.9  | 733.2  | 743.8  | 749.8  | 753.9  | 750.1  | 742.6  | 733.2  | 722.8  |
| 32.5° | 761.1  | 763.9  | 770.8  | 780.8  | 782.1  | 782.7  | 781.4  | 777.7  | 770.8  | 758.2  |
| 35°   | 807.1  | 810.3  | 818.1  | 826.2  | 825.0  | 826.2  | 824.4  | 823.1  | 818.1  | 803.7  |
| 37.5° | 863.5  | 867.3  | 875.4  | 881.7  | 878.6  | 877.0  | 877.3  | 877.6  | 874.8  | 858.8  |
| 40°   | 929.0  | 934.0  | 940.0  | 946.6  | 941.2  | 936.5  | 939.7  | 942.2  | 939.7  | 923.4  |
| 42.5° | 996.4  | 1003.6 | 1009.8 | 1019.2 | 1014.9 | 1008.9 | 1013.3 | 1016.1 | 1010.8 | 993.2  |
| 45°   | 1071.3 | 1078.1 | 1086.3 | 1100.4 | 1097.3 | 1091.0 | 1097.3 | 1097.9 | 1088.8 | 1068.1 |
| 47.5° | 1148.6 | 1155.9 | 1168.1 | 1186.9 | 1185.6 | 1178.7 | 1186.9 | 1182.5 | 1170.9 | 1146.1 |
| 50°   | 1222.0 | 1232.0 | 1250.8 | 1277.1 | 1279.6 | 1271.2 | 1282.1 | 1273.7 | 1254.2 | 1223.2 |
| 52.5° | 1290.9 | 1301.6 | 1331.3 | 1367.0 | 1376.1 | 1365.2 | 1379.9 | 1365.2 | 1336.0 | 1296.2 |
| 55°   | 1363.3 | 1375.2 | 1410.6 | 1457.3 | 1475.4 | 1467.3 | 1481.1 | 1458.8 | 1417.5 | 1369.2 |
| 57.5° | 1448.5 | 1455.7 | 1498.0 | 1553.5 | 1584.2 | 1586.0 | 1592.3 | 1554.7 | 1504.6 | 1449.8 |
| 60°   | 1540.9 | 1551.0 | 1597.0 | 1663.4 | 1712.0 | 1727.7 | 1721.1 | 1665.3 | 1607.0 | 1544.1 |
| 62.5° | 1659.4 | 1670.3 | 1725.5 | 1805.1 | 1881.8 | 1920.7 | 1895.0 | 1814.1 | 1742.1 | 1666.6 |
| 65°   | 1757.4 | 1769.7 | 1869.3 | 2011.2 | 2151.0 | 2229.0 | 2164.4 | 2015.6 | 1885.9 | 1779.4 |
| 67.5° | 1686.3 | 1701.4 | 1857.7 | 2118.4 | 2465.9 | 2698.7 | 2477.8 | 2150.3 | 1896.2 | 1751.8 |
| 70°   | 1473.9 | 1488.0 | 1670.3 | 1989.0 | 2554.5 | 3064.6 | 2607.8 | 2047.6 | 1676.3 | 1514.6 |
| 72.5° | 978.5  | 1023.9 | 1208.5 | 1590.7 | 2281.0 | 2835.9 | 2303.6 | 1558.5 | 1121.1 | 976.3  |
| 75°   | 324.6  | 360.9  | 486.9  | 824.7  | 1527.8 | 2120.9 | 1454.5 | 729.7  | 385.7  | 277.6  |
| 77.5° | 81.8   | 94.3   | 130.0  | 235.9  | 609.4  | 1207.6 | 548.6  | 192.7  | 105.0  | 73.3   |
| 80°   | 39.8   | 43.9   | 62.7   | 78.6   | 152.6  | 383.8  | 143.2  | 73.9   | 49.5   | 38.2   |
| 82.5° | 21.9   | 22.2   | 35.4   | 44.5   | 56.7   | 99.3   | 58.9   | 43.2   | 28.5   | 23.2   |
| 85°   | 13.5   | 13.2   | 18.8   | 23.8   | 23.8   | 35.4   | 28.2   | 23.8   | 16.3   | 14.4   |
| 87.5° | 5.3    | 5.3    | 6.9    | 7.5    | 6.6    | 9.1    | 7.2    | 7.8    | 6.3    | 6.0    |
| 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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| 90°    |
|--------|
| 597.8  |
| 601.0  |
| 605.7  |
| 611.3  |
| 616.6  |
| 621.9  |
| 630.4  |
| 640.7  |
| 652.7  |
| 664.6  |
| 678.0  |
| 696.5  |
| 722.8  |
| 758.6  |
| 803.7  |
| 858.8  |
| 923.4  |
| 994.5  |
| 1070.3 |
| 1144.6 |
| 1222.6 |
| 1292.5 |
| 1362.6 |
| 1442.2 |
| 1534.0 |
| 1653.4 |
| 1761.8 |
| 1730.2 |
| 1493.0 |
| 944.7  |
| 262.6  |
| 65.5   |
| 35.1   |
| 23.2   |
| 15.0   |
| 6.3    |
| 0.0    |

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