

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: P945775

Luminaire Tested: **GLAN-SB1C-850-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945775  
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-SB1C-850-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 7504 lumens  
Efficiency: N/A  
Efficacy: 137.9 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): 54.4  
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

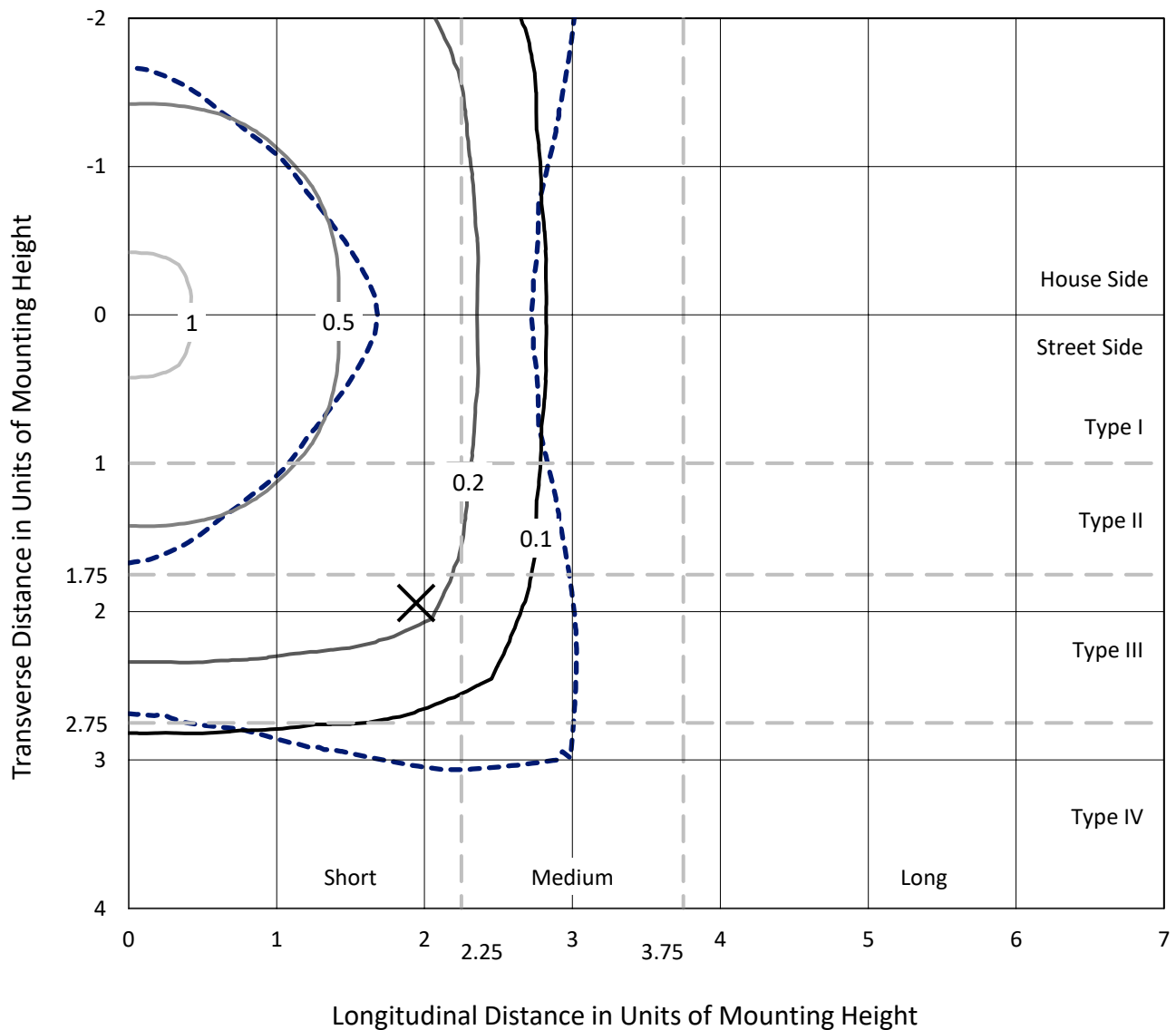


REPORT NUMBER: P945775

CATALOG NUMBER: GLAN-SB1C-850-U-5MQ

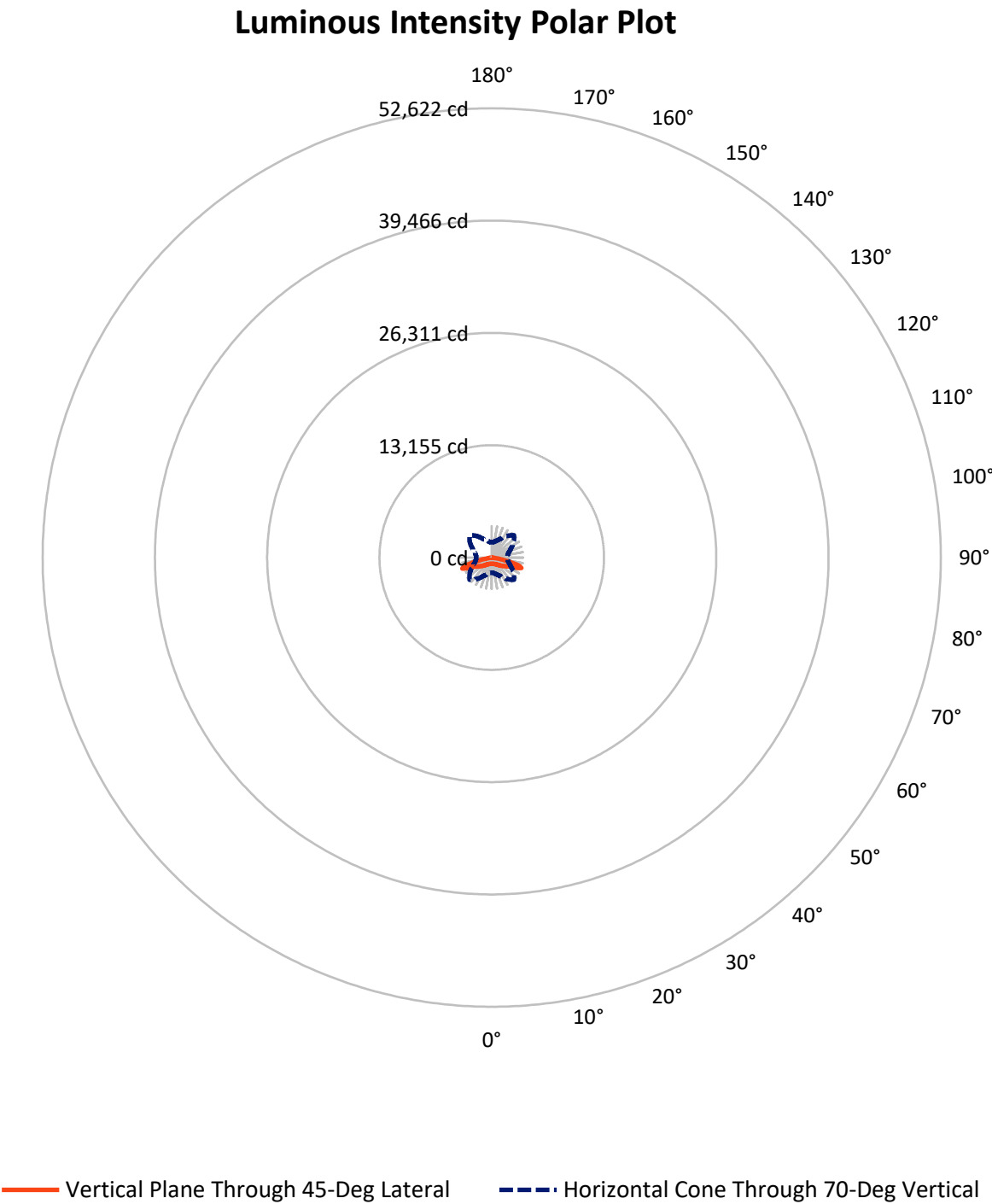
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3752.0   | 0.0    | 3752.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3752.0   | 0.0    | 3752.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7504.0   | 0.0    | 7504.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.8   | 0.9       |
| 10°-20°   | 216.5  | 2.9       |
| 20°-30°   | 387.0  | 5.2       |
| 30°-40°   | 627.3  | 8.4       |
| 40°-50°   | 1021.8 | 13.6      |
| 50°-60°   | 1557.8 | 20.8      |
| 60°-70°   | 2317.6 | 30.9      |
| 70°-80°   | 1263.2 | 16.8      |
| 80°-90°   | 43.0   | 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°    | 7504.0 | 100.0     |
| 0°-180°   | 7504.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P945775

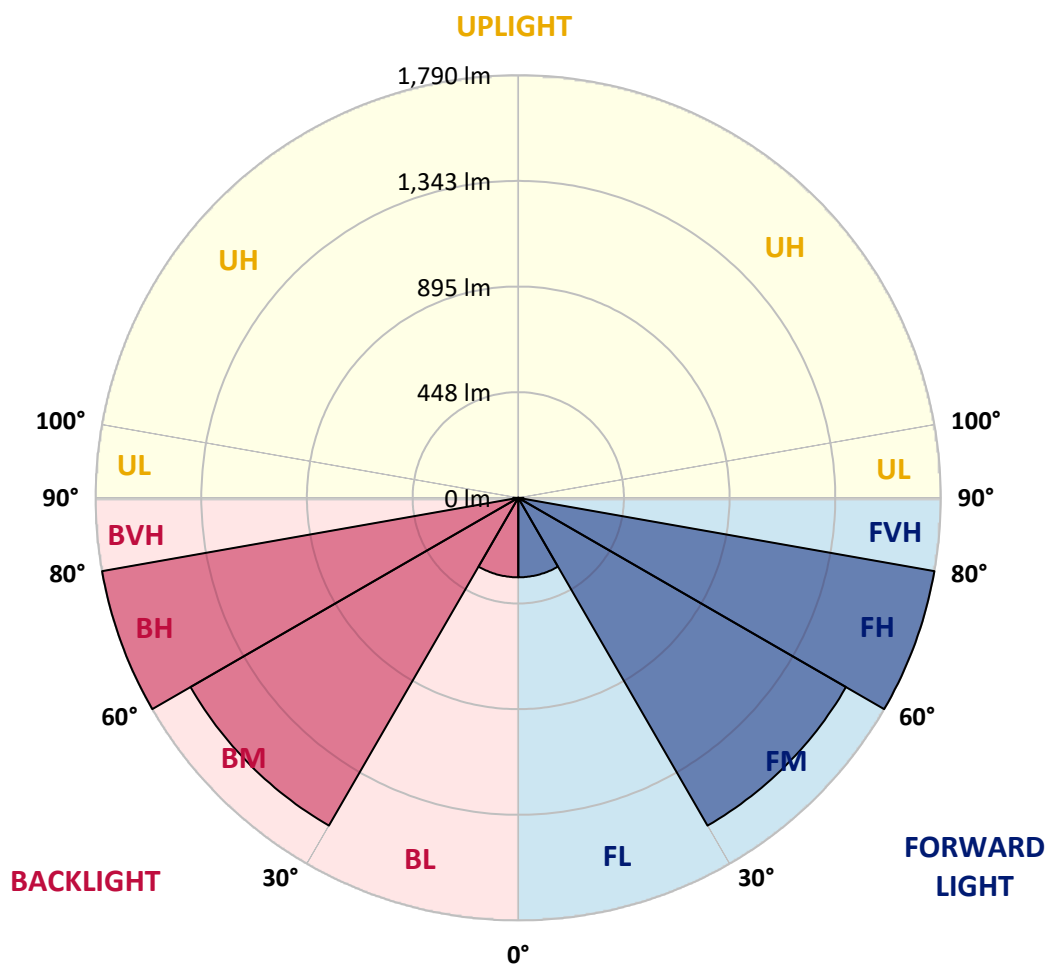
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 336.7  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 1603.4 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 1790.4 | 23.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 21.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 336.7  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1603.4 | 21.4      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1790.4 | 23.9      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 21.5   | 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°    | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  | 718.8  |
| 2.5°  | 722.2  | 722.9  | 721.4  | 720.7  | 719.9  | 718.8  | 719.2  | 721.1  | 722.6  | 722.2  |
| 5°    | 728.2  | 729.0  | 727.8  | 727.5  | 726.0  | 725.6  | 725.6  | 727.5  | 728.6  | 727.8  |
| 7.5°  | 735.0  | 736.1  | 734.3  | 733.9  | 733.1  | 732.4  | 732.0  | 733.9  | 735.0  | 735.0  |
| 10°   | 741.4  | 742.5  | 741.0  | 739.9  | 739.1  | 739.1  | 738.4  | 739.9  | 741.8  | 741.4  |
| 12.5° | 748.2  | 748.9  | 747.4  | 746.7  | 746.7  | 747.8  | 746.7  | 747.4  | 748.9  | 748.2  |
| 15°   | 756.5  | 756.9  | 756.5  | 757.6  | 759.5  | 763.3  | 759.9  | 759.1  | 759.9  | 758.0  |
| 17.5° | 767.8  | 768.5  | 770.0  | 772.7  | 775.3  | 782.1  | 776.1  | 774.2  | 774.2  | 770.4  |
| 20°   | 781.7  | 782.9  | 785.1  | 789.6  | 793.0  | 799.4  | 793.4  | 790.8  | 789.6  | 784.7  |
| 22.5° | 796.4  | 798.3  | 801.7  | 807.7  | 813.7  | 819.8  | 813.7  | 809.2  | 805.8  | 799.4  |
| 25°   | 813.4  | 815.6  | 820.9  | 830.7  | 839.0  | 847.6  | 840.5  | 831.4  | 824.7  | 815.6  |
| 27.5° | 837.5  | 840.1  | 846.5  | 858.6  | 869.1  | 876.7  | 869.9  | 858.2  | 848.8  | 837.9  |
| 30°   | 871.4  | 874.0  | 881.6  | 894.4  | 901.5  | 906.4  | 901.9  | 892.9  | 881.6  | 869.1  |
| 32.5° | 915.1  | 918.5  | 926.8  | 938.8  | 940.3  | 941.1  | 939.6  | 935.0  | 926.8  | 911.7  |
| 35°   | 970.5  | 974.2  | 983.6  | 993.4  | 991.9  | 993.4  | 991.2  | 989.7  | 983.6  | 966.3  |
| 37.5° | 1038.3 | 1042.8 | 1052.6 | 1060.1 | 1056.4 | 1054.5 | 1054.9 | 1055.2 | 1051.8 | 1032.6 |
| 40°   | 1117.0 | 1123.0 | 1130.2 | 1138.1 | 1131.7 | 1126.1 | 1129.8 | 1132.8 | 1129.8 | 1110.2 |
| 42.5° | 1198.0 | 1206.7 | 1214.2 | 1225.5 | 1220.2 | 1213.1 | 1218.4 | 1221.7 | 1215.3 | 1194.2 |
| 45°   | 1288.0 | 1296.3 | 1306.1 | 1323.1 | 1319.3 | 1311.8 | 1319.3 | 1320.1 | 1309.1 | 1284.3 |
| 47.5° | 1381.1 | 1389.8 | 1404.5 | 1427.1 | 1425.6 | 1417.3 | 1427.1 | 1421.8 | 1407.8 | 1378.1 |
| 50°   | 1469.3 | 1481.3 | 1503.9 | 1535.6 | 1538.6 | 1528.4 | 1541.6 | 1531.4 | 1508.1 | 1470.8 |
| 52.5° | 1552.1 | 1564.9 | 1600.7 | 1643.7 | 1654.6 | 1641.4 | 1659.1 | 1641.4 | 1606.4 | 1558.5 |
| 55°   | 1639.2 | 1653.5 | 1696.0 | 1752.2 | 1774.0 | 1764.2 | 1780.8 | 1754.1 | 1704.3 | 1646.3 |
| 57.5° | 1741.6 | 1750.3 | 1801.2 | 1867.8 | 1904.8 | 1907.0 | 1914.6 | 1869.3 | 1809.1 | 1743.1 |
| 60°   | 1852.8 | 1864.8 | 1920.2 | 2000.1 | 2058.5 | 2077.3 | 2069.4 | 2002.3 | 1932.3 | 1856.5 |
| 62.5° | 1995.2 | 2008.4 | 2074.7 | 2170.4 | 2262.7 | 2309.4 | 2278.5 | 2181.3 | 2094.6 | 2003.8 |
| 65°   | 2113.1 | 2127.8 | 2247.6 | 2418.2 | 2586.3 | 2680.1 | 2602.5 | 2423.5 | 2267.6 | 2139.5 |
| 67.5° | 2027.6 | 2045.7 | 2233.6 | 2547.1 | 2964.9 | 3244.8 | 2979.2 | 2585.5 | 2280.0 | 2106.3 |
| 70°   | 1772.1 | 1789.1 | 2008.4 | 2391.5 | 3071.5 | 3684.8 | 3135.5 | 2461.9 | 2015.5 | 1821.1 |
| 72.5° | 1176.5 | 1231.2 | 1453.1 | 1912.7 | 2742.6 | 3409.8 | 2769.7 | 1873.9 | 1347.9 | 1173.9 |
| 75°   | 390.3  | 434.0  | 585.4  | 991.6  | 1836.9 | 2550.1 | 1748.8 | 877.4  | 463.8  | 333.8  |
| 77.5° | 98.3   | 113.4  | 156.3  | 283.7  | 732.7  | 1451.9 | 659.7  | 231.7  | 126.2  | 88.2   |
| 80°   | 47.8   | 52.7   | 75.3   | 94.6   | 183.5  | 461.5  | 172.2  | 88.9   | 59.5   | 46.0   |
| 82.5° | 26.4   | 26.7   | 42.6   | 53.5   | 68.2   | 119.4  | 70.8   | 52.0   | 34.3   | 27.9   |
| 85°   | 16.2   | 15.8   | 22.6   | 28.6   | 28.6   | 42.6   | 33.9   | 28.6   | 19.6   | 17.3   |
| 87.5° | 6.4    | 6.4    | 8.3    | 9.0    | 7.9    | 10.9   | 8.7    | 9.4    | 7.5    | 7.2    |
| 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°    |
|--------|
| 718.8  |
| 722.6  |
| 728.2  |
| 735.0  |
| 741.4  |
| 747.8  |
| 758.0  |
| 770.4  |
| 784.7  |
| 799.0  |
| 815.2  |
| 837.5  |
| 869.1  |
| 912.1  |
| 966.3  |
| 1032.6 |
| 1110.2 |
| 1195.7 |
| 1286.9 |
| 1376.2 |
| 1470.0 |
| 1554.0 |
| 1638.4 |
| 1734.1 |
| 1844.5 |
| 1988.0 |
| 2118.4 |
| 2080.3 |
| 1795.1 |
| 1135.8 |
| 315.7  |
| 78.7   |
| 42.2   |
| 27.9   |
| 18.1   |
| 7.5    |
| 0.0    |

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