

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: P941070

Luminaire Tested: **GLAN-SB4B-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941070  
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-SB4B-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16542 lumens  
Efficiency: N/A  
Efficacy: 112.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 147  
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

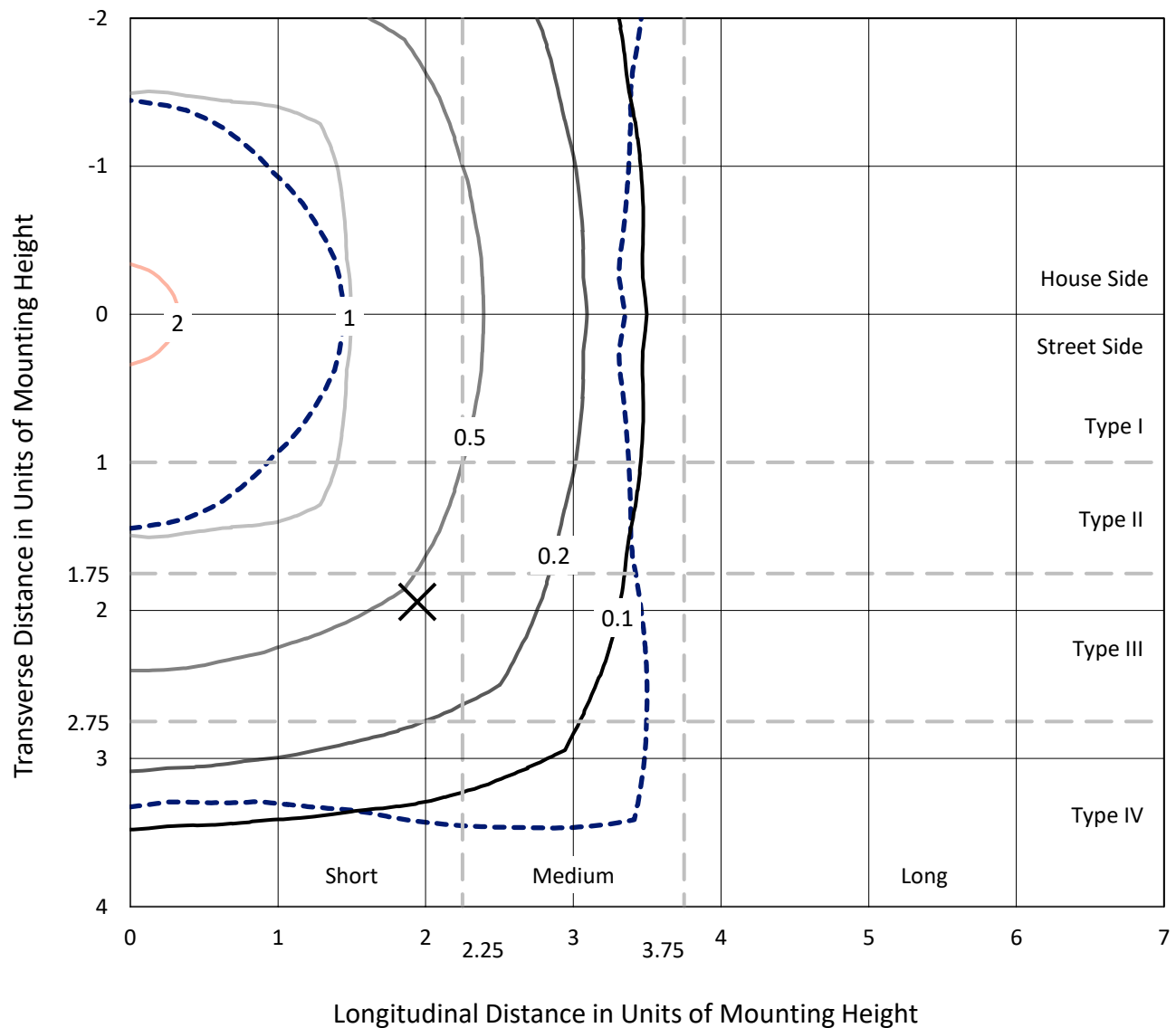


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## Iso-Footcandle Lines of Horizontal Illumination

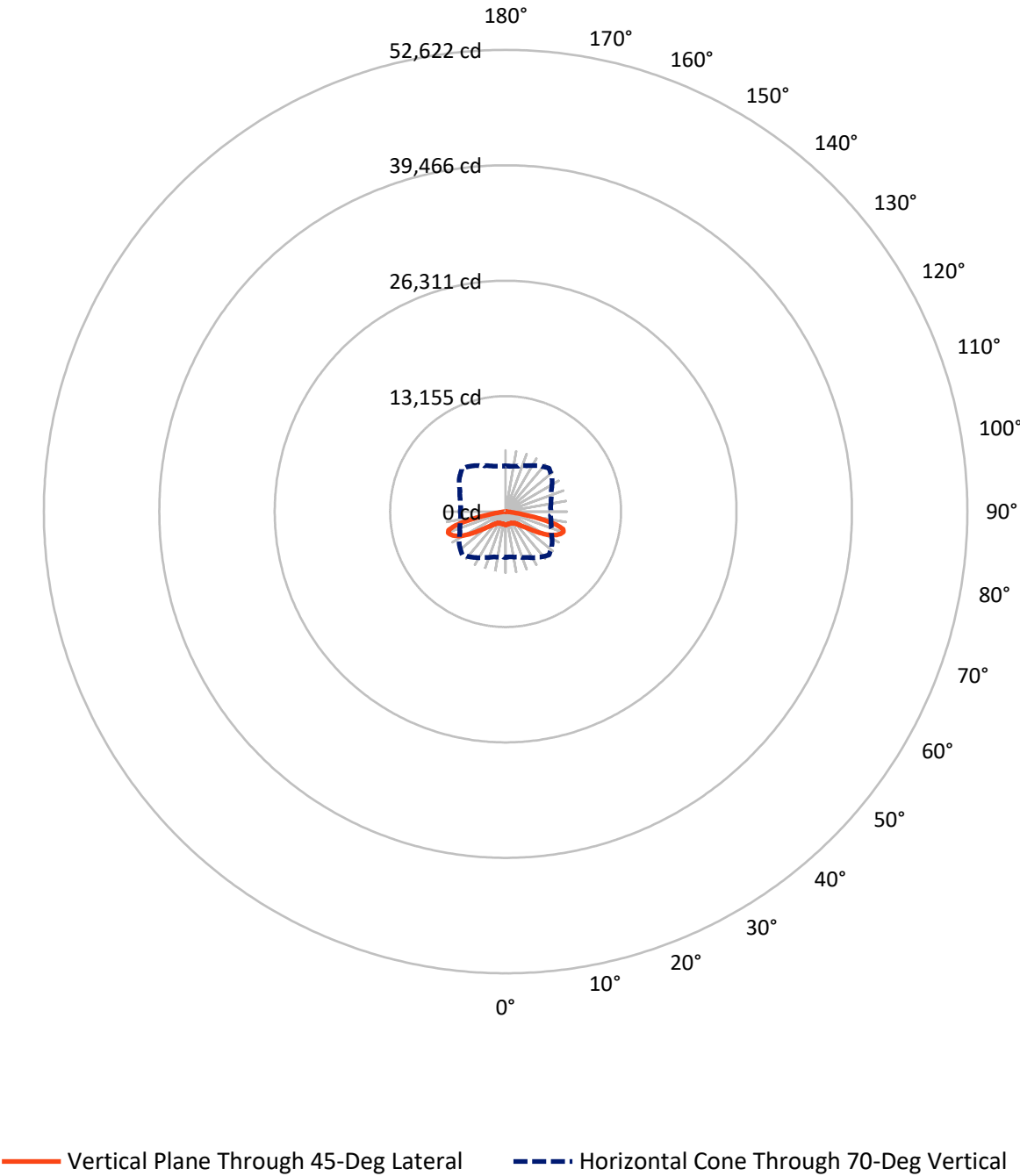
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 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    | 8271.0   | 0.0    | 8271.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8271.0   | 0.0    | 8271.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16542.0  | 0.0    | 16542.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 140.4   | 0.8       |
| 10°-20°   | 412.2   | 2.5       |
| 20°-30°   | 685.9   | 4.1       |
| 30°-40°   | 1037.3  | 6.3       |
| 40°-50°   | 1723.7  | 10.4      |
| 50°-60°   | 3252.6  | 19.7      |
| 60°-70°   | 5492.1  | 33.2      |
| 70°-80°   | 3608.9  | 21.8      |
| 80°-90°   | 189.1   | 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°    | 16542.0 | 100.0     |
| 0°-180°   | 16542.0 | 100.0     |

**Coefficient of Utilization**



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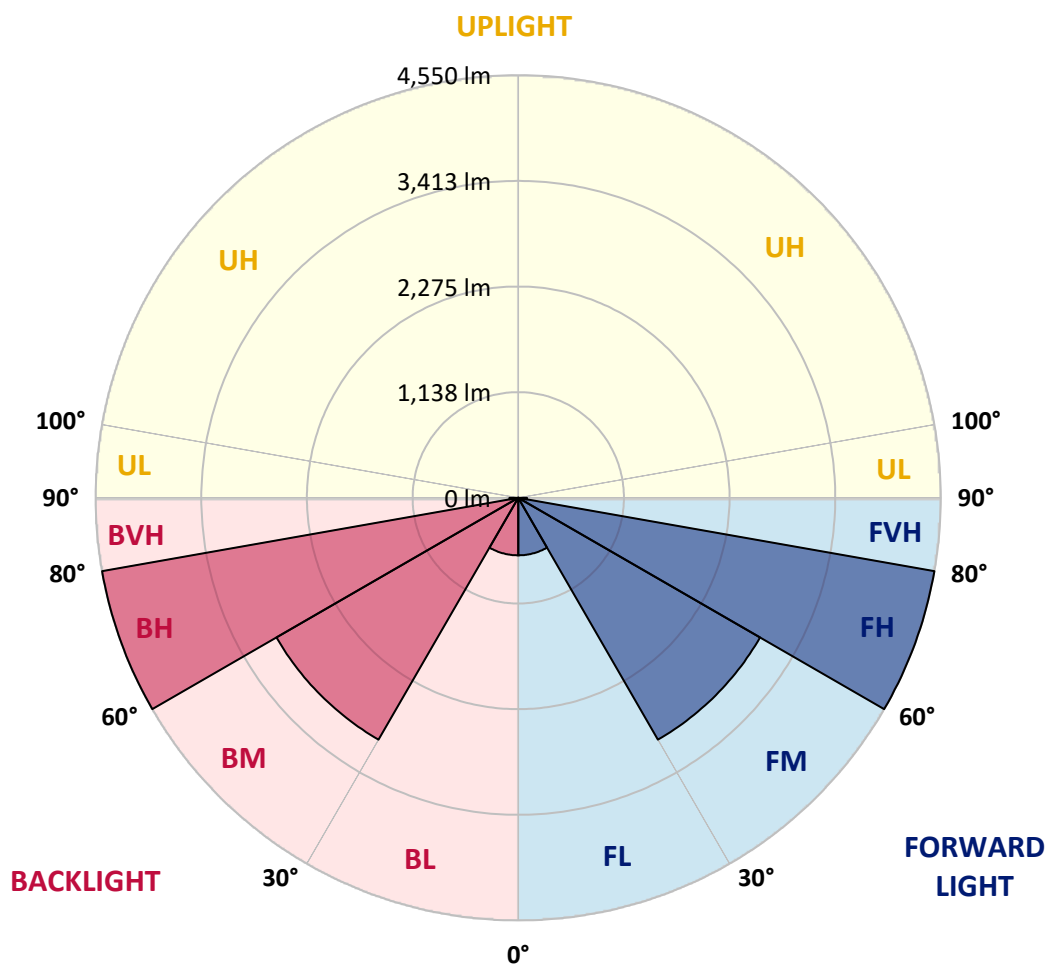
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 619.2  | 3.7       |                         |      |         |
| FM   | (30°-60°)   | 3006.8 | 18.2      |                         |      |         |
| FH   | (60°-80°)   | 4550.5 | 27.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 94.5   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 619.2  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 3006.8 | 18.2      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 4550.5 | 27.5      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 94.5   | 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°    | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 | 1509.0 |
| 2.5°  | 1499.5 | 1503.8 | 1502.1 | 1498.6 | 1498.6 | 1496.1 | 1498.6 | 1500.4 | 1502.9 | 1504.7 |
| 5°    | 1479.7 | 1483.2 | 1482.3 | 1479.7 | 1480.6 | 1478.0 | 1479.7 | 1482.3 | 1484.0 | 1484.9 |
| 7.5°  | 1462.5 | 1466.0 | 1464.3 | 1460.0 | 1460.0 | 1457.4 | 1458.2 | 1460.8 | 1463.4 | 1464.3 |
| 10°   | 1458.2 | 1461.7 | 1456.5 | 1449.6 | 1447.1 | 1443.6 | 1444.5 | 1447.1 | 1452.2 | 1454.8 |
| 12.5° | 1460.0 | 1462.5 | 1457.4 | 1447.1 | 1444.5 | 1441.0 | 1441.0 | 1443.6 | 1450.5 | 1453.9 |
| 15°   | 1465.1 | 1467.7 | 1460.0 | 1448.8 | 1446.2 | 1443.6 | 1442.8 | 1446.2 | 1453.9 | 1460.0 |
| 17.5° | 1474.6 | 1477.2 | 1465.1 | 1449.6 | 1446.2 | 1447.1 | 1446.2 | 1448.8 | 1460.8 | 1472.0 |
| 20°   | 1483.2 | 1484.9 | 1468.6 | 1449.6 | 1446.2 | 1447.1 | 1446.2 | 1451.4 | 1466.8 | 1482.3 |
| 22.5° | 1485.7 | 1487.5 | 1472.0 | 1455.7 | 1453.1 | 1453.9 | 1453.1 | 1458.2 | 1472.9 | 1488.3 |
| 25°   | 1486.6 | 1489.2 | 1477.2 | 1464.3 | 1468.6 | 1470.3 | 1468.6 | 1469.4 | 1480.6 | 1494.3 |
| 27.5° | 1499.5 | 1502.9 | 1491.8 | 1480.6 | 1483.2 | 1482.3 | 1484.9 | 1487.5 | 1496.1 | 1509.8 |
| 30°   | 1526.2 | 1528.7 | 1519.3 | 1508.1 | 1506.4 | 1500.4 | 1508.1 | 1516.7 | 1526.2 | 1538.2 |
| 32.5° | 1570.0 | 1575.2 | 1563.1 | 1551.1 | 1543.4 | 1539.9 | 1545.9 | 1560.6 | 1573.4 | 1586.3 |
| 35°   | 1643.1 | 1646.5 | 1635.4 | 1613.0 | 1599.2 | 1599.2 | 1604.4 | 1623.3 | 1644.0 | 1660.3 |
| 37.5° | 1746.3 | 1750.6 | 1730.8 | 1704.1 | 1683.5 | 1683.5 | 1690.4 | 1710.2 | 1741.1 | 1764.3 |
| 40°   | 1871.8 | 1877.8 | 1852.9 | 1825.4 | 1805.6 | 1802.2 | 1810.8 | 1833.1 | 1862.3 | 1891.6 |
| 42.5° | 2023.1 | 2030.0 | 1997.3 | 1973.3 | 1957.8 | 1957.8 | 1962.1 | 1982.7 | 2009.4 | 2045.5 |
| 45°   | 2216.6 | 2228.6 | 2183.9 | 2159.8 | 2145.2 | 2148.7 | 2151.2 | 2169.3 | 2193.4 | 2234.6 |
| 47.5° | 2447.0 | 2459.1 | 2411.8 | 2386.8 | 2384.2 | 2400.6 | 2390.3 | 2403.2 | 2416.1 | 2463.4 |
| 50°   | 2708.4 | 2729.0 | 2696.4 | 2694.6 | 2699.8 | 2729.9 | 2705.8 | 2712.7 | 2698.1 | 2728.2 |
| 52.5° | 3028.2 | 3058.3 | 3052.3 | 3062.6 | 3120.2 | 3182.2 | 3127.1 | 3103.0 | 3048.0 | 3057.5 |
| 55°   | 3416.0 | 3461.6 | 3470.2 | 3532.1 | 3662.8 | 3789.2 | 3672.2 | 3575.1 | 3458.1 | 3436.7 |
| 57.5° | 3857.1 | 3893.2 | 3934.5 | 4060.9 | 4305.1 | 4529.5 | 4305.1 | 4090.1 | 3906.1 | 3862.3 |
| 60°   | 4331.7 | 4376.4 | 4416.0 | 4602.6 | 4965.4 | 5280.9 | 4958.5 | 4617.2 | 4373.8 | 4314.5 |
| 62.5° | 4841.6 | 4899.2 | 4926.7 | 5133.9 | 5556.9 | 5933.5 | 5563.0 | 5149.4 | 4879.4 | 4815.8 |
| 65°   | 5330.8 | 5378.1 | 5409.1 | 5630.0 | 6034.1 | 6411.6 | 6061.6 | 5654.1 | 5376.4 | 5293.0 |
| 67.5° | 5558.7 | 5584.5 | 5660.1 | 5910.3 | 6336.8 | 6767.6 | 6409.0 | 5937.0 | 5626.6 | 5480.4 |
| 70°   | 5225.1 | 5172.6 | 5354.9 | 5755.6 | 6372.9 | 6985.9 | 6455.4 | 5743.5 | 5363.5 | 5126.2 |
| 72.5° | 4037.7 | 3947.4 | 4263.8 | 4949.1 | 5960.2 | 6846.7 | 6001.5 | 4987.7 | 4460.7 | 3979.2 |
| 75°   | 2196.8 | 2094.5 | 2531.3 | 3398.0 | 4753.0 | 5934.4 | 4862.2 | 3495.1 | 2818.5 | 2180.5 |
| 77.5° | 619.9  | 581.2  | 933.8  | 1644.0 | 2858.9 | 4166.6 | 2968.9 | 1680.1 | 1107.4 | 656.9  |
| 80°   | 190.0  | 184.0  | 249.3  | 495.2  | 1214.0 | 1995.6 | 1166.8 | 501.3  | 317.3  | 200.3  |
| 82.5° | 112.6  | 103.2  | 123.8  | 180.6  | 309.5  | 626.8  | 300.9  | 188.3  | 151.3  | 101.5  |
| 85°   | 64.5   | 60.2   | 73.1   | 87.7   | 104.0  | 133.3  | 86.8   | 89.4   | 80.8   | 54.2   |
| 87.5° | 26.7   | 24.1   | 28.4   | 27.5   | 24.1   | 31.0   | 23.2   | 27.5   | 32.7   | 21.5   |
| 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°    |
|--------|
| 1509.0 |
| 1503.8 |
| 1484.9 |
| 1464.3 |
| 1454.8 |
| 1454.8 |
| 1460.8 |
| 1472.0 |
| 1483.2 |
| 1488.3 |
| 1493.5 |
| 1506.4 |
| 1535.6 |
| 1581.2 |
| 1654.3 |
| 1755.7 |
| 1882.1 |
| 2042.9 |
| 2232.9 |
| 2449.6 |
| 2710.1 |
| 3025.7 |
| 3403.1 |
| 3831.3 |
| 4262.9 |
| 4764.2 |
| 5251.7 |
| 5482.1 |
| 5182.9 |
| 4098.7 |
| 2322.3 |
| 730.0  |
| 211.5  |
| 110.1  |
| 56.7   |
| 19.8   |
| 0.0    |

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