

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: P944260

Luminaire Tested: **GLAN-SB9A-850-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944260  
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-SB9A-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39531 lumens  
Efficiency: N/A  
Efficacy: 154.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 255.5  
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

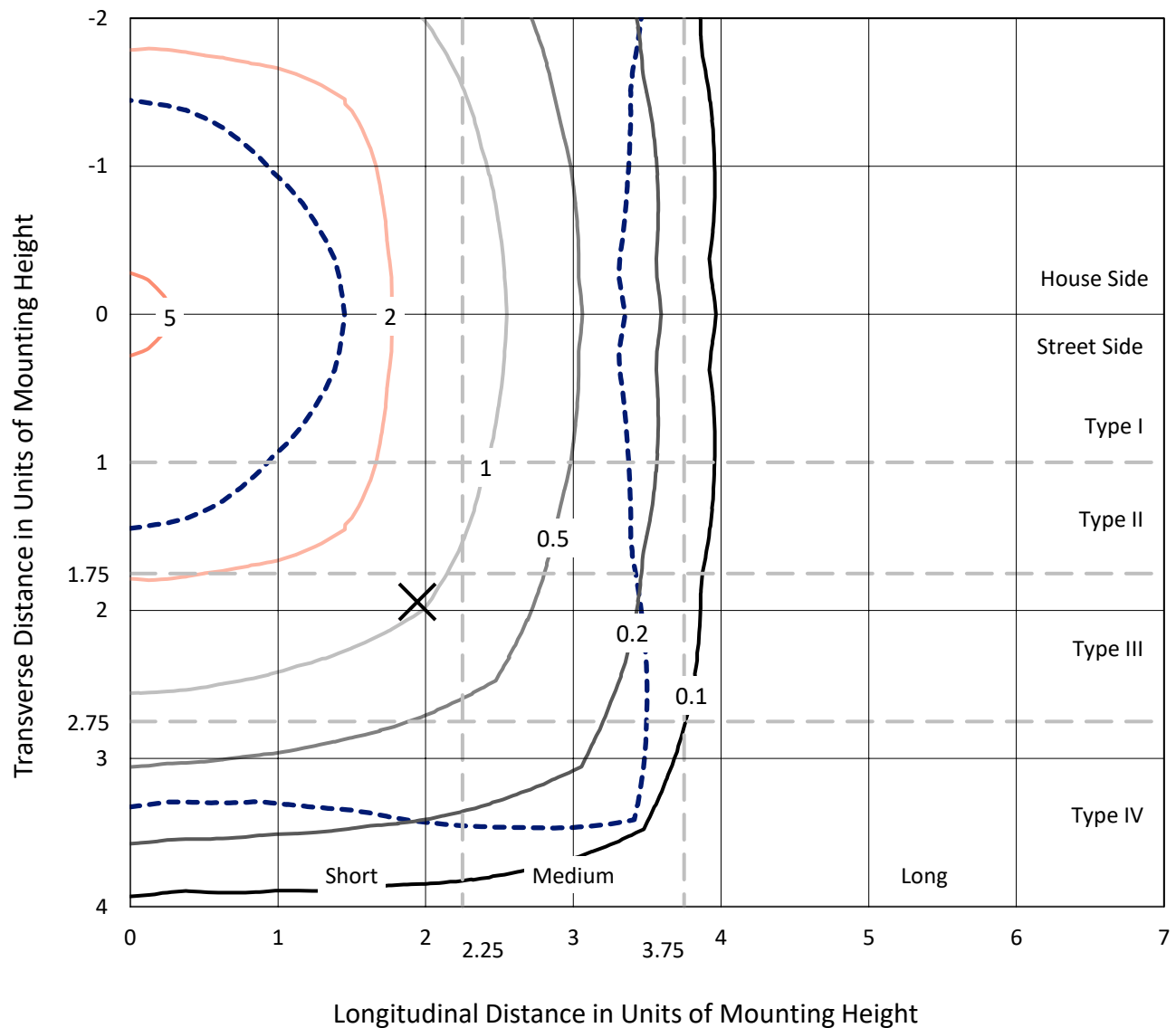


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## Iso-Footcandle Lines of Horizontal Illumination

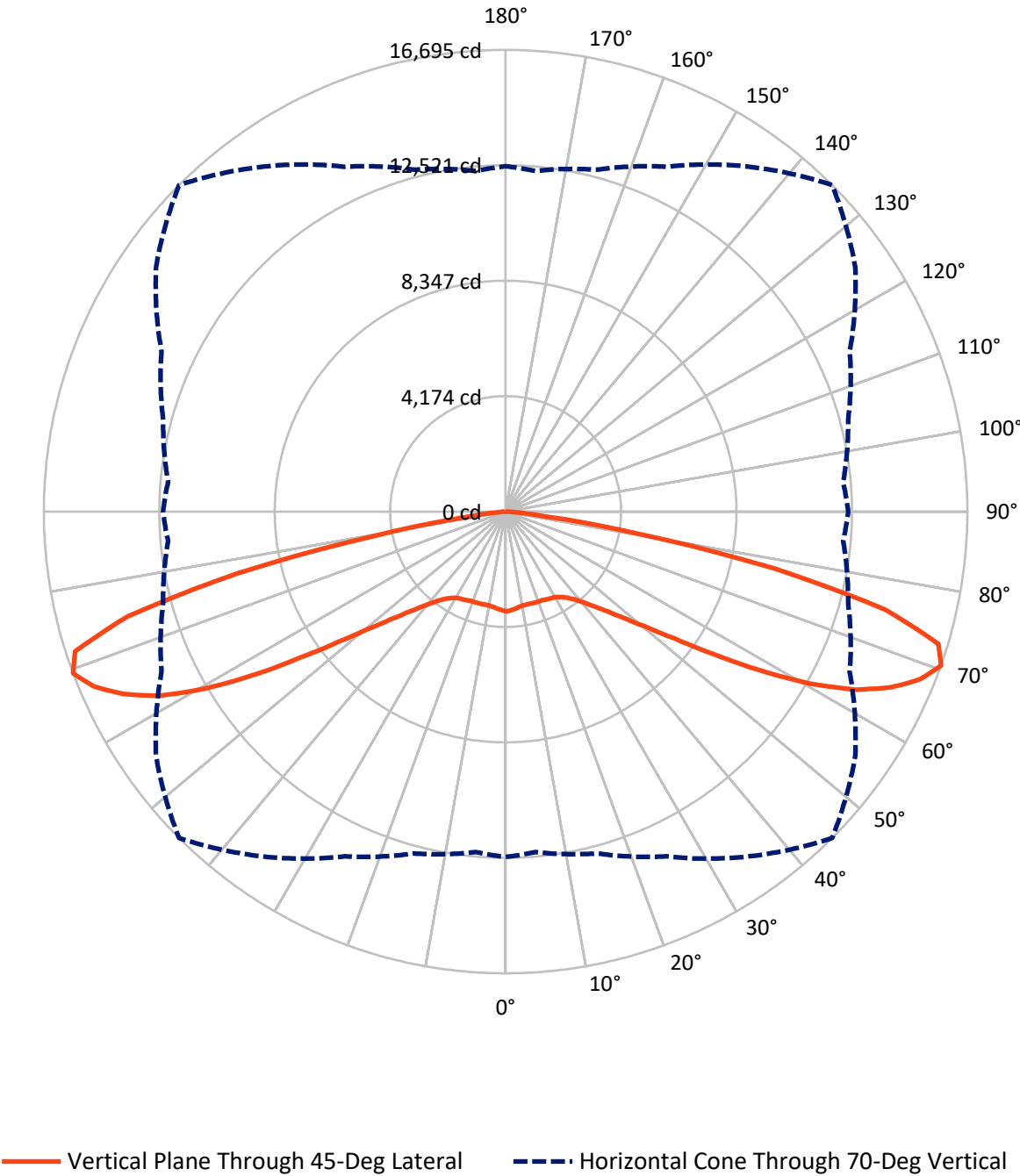
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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    | 19765.5  | 0.0    | 19765.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 19765.5  | 0.0    | 19765.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 39531.0  | 0.0    | 39531.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 335.4   | 0.8       |
| 10°-20°   | 984.9   | 2.5       |
| 20°-30°   | 1639.1  | 4.1       |
| 30°-40°   | 2478.8  | 6.3       |
| 40°-50°   | 4119.2  | 10.4      |
| 50°-60°   | 7772.8  | 19.7      |
| 60°-70°   | 13124.6 | 33.2      |
| 70°-80°   | 8624.3  | 21.8      |
| 80°-90°   | 451.8   | 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°    | 39531.0 | 100.0     |
| 0°-180°   | 39531.0 | 100.0     |

**Coefficient of Utilization**



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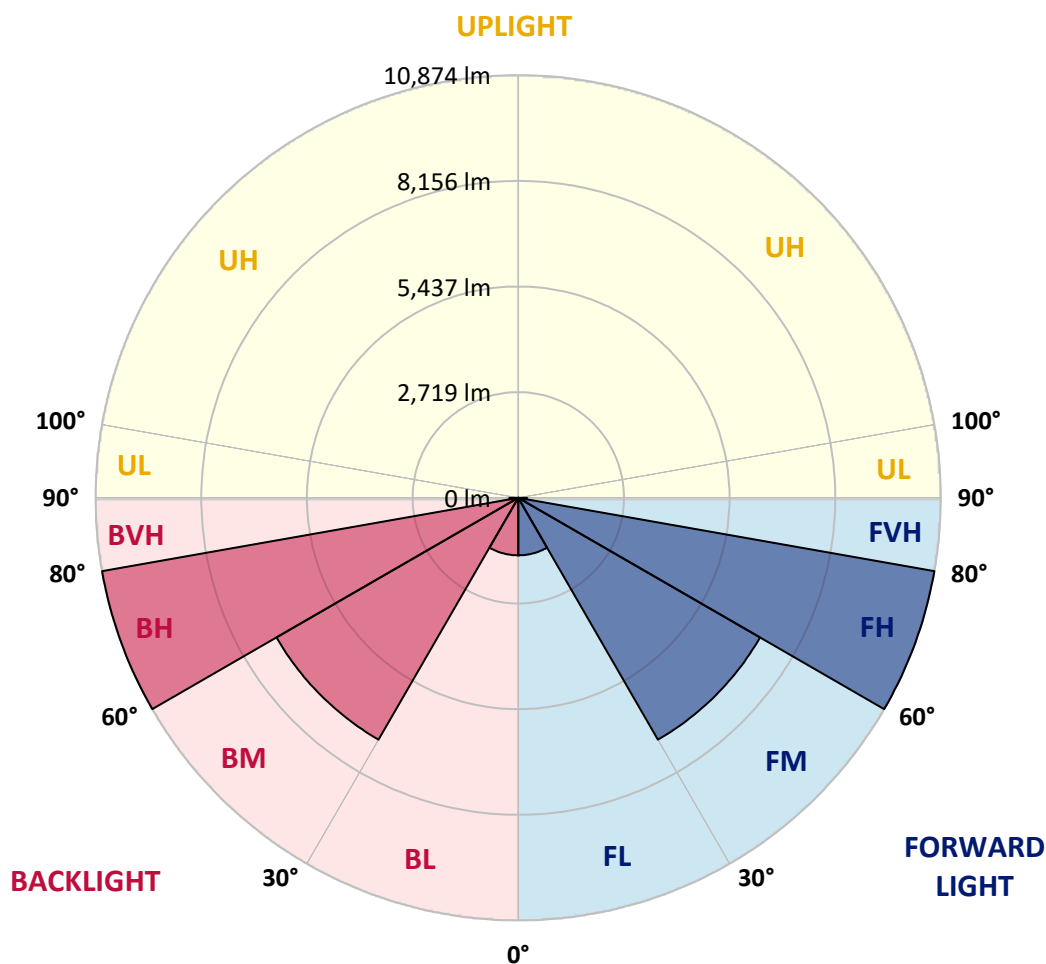
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1479.7  | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 7185.4  | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 10874.5 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 225.9   | 0.6       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1479.7  | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 7185.4  | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 10874.5 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 225.9   | 0.6       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  | 3606.0  |
| 2.5°  | 3583.4  | 3593.7  | 3589.6  | 3581.4  | 3581.4  | 3575.2  | 3581.4  | 3585.5  | 3591.6  | 3595.7  |
| 5°    | 3536.2  | 3544.4  | 3542.3  | 3536.2  | 3538.2  | 3532.1  | 3536.2  | 3542.3  | 3546.4  | 3548.5  |
| 7.5°  | 3495.1  | 3503.3  | 3499.2  | 3488.9  | 3488.9  | 3482.7  | 3484.8  | 3491.0  | 3497.1  | 3499.2  |
| 10°   | 3484.8  | 3493.0  | 3480.7  | 3464.2  | 3458.1  | 3449.9  | 3451.9  | 3458.1  | 3470.4  | 3476.6  |
| 12.5° | 3488.9  | 3495.1  | 3482.7  | 3458.1  | 3451.9  | 3443.7  | 3443.7  | 3449.9  | 3466.3  | 3474.5  |
| 15°   | 3501.2  | 3507.4  | 3488.9  | 3462.2  | 3456.0  | 3449.9  | 3447.8  | 3456.0  | 3474.5  | 3488.9  |
| 17.5° | 3523.8  | 3530.0  | 3501.2  | 3464.2  | 3456.0  | 3458.1  | 3456.0  | 3462.2  | 3491.0  | 3517.7  |
| 20°   | 3544.4  | 3548.5  | 3509.5  | 3464.2  | 3456.0  | 3458.1  | 3456.0  | 3468.4  | 3505.3  | 3542.3  |
| 22.5° | 3550.5  | 3554.7  | 3517.7  | 3478.6  | 3472.5  | 3474.5  | 3472.5  | 3484.8  | 3519.7  | 3556.7  |
| 25°   | 3552.6  | 3558.8  | 3530.0  | 3499.2  | 3509.5  | 3513.6  | 3509.5  | 3511.5  | 3538.2  | 3571.1  |
| 27.5° | 3583.4  | 3591.6  | 3564.9  | 3538.2  | 3544.4  | 3542.3  | 3548.5  | 3554.7  | 3575.2  | 3608.1  |
| 30°   | 3647.1  | 3653.3  | 3630.7  | 3604.0  | 3599.9  | 3585.5  | 3604.0  | 3624.5  | 3647.1  | 3675.9  |
| 32.5° | 3751.9  | 3764.2  | 3735.5  | 3706.7  | 3688.2  | 3680.0  | 3694.4  | 3729.3  | 3760.1  | 3790.9  |
| 35°   | 3926.6  | 3934.8  | 3908.1  | 3854.6  | 3821.8  | 3821.8  | 3834.1  | 3879.3  | 3928.6  | 3967.7  |
| 37.5° | 4173.1  | 4183.4  | 4136.1  | 4072.4  | 4023.1  | 4023.1  | 4039.6  | 4086.8  | 4160.8  | 4216.3  |
| 40°   | 4473.1  | 4487.5  | 4427.9  | 4362.2  | 4314.9  | 4306.7  | 4327.2  | 4380.7  | 4450.5  | 4520.4  |
| 42.5° | 4834.7  | 4851.2  | 4773.1  | 4715.6  | 4678.6  | 4678.6  | 4688.9  | 4738.2  | 4801.9  | 4888.2  |
| 45°   | 5297.1  | 5325.8  | 5219.0  | 5161.4  | 5126.5  | 5134.7  | 5140.9  | 5184.0  | 5241.6  | 5340.2  |
| 47.5° | 5847.7  | 5876.5  | 5763.5  | 5703.9  | 5697.7  | 5736.8  | 5712.1  | 5742.9  | 5773.7  | 5886.8  |
| 50°   | 6472.3  | 6521.7  | 6443.6  | 6439.5  | 6451.8  | 6523.7  | 6466.2  | 6482.6  | 6447.7  | 6519.6  |
| 52.5° | 7236.7  | 7308.6  | 7294.2  | 7318.9  | 7456.6  | 7604.5  | 7473.0  | 7415.5  | 7284.0  | 7306.6  |
| 55°   | 8163.4  | 8272.3  | 8292.8  | 8440.8  | 8753.1  | 9055.1  | 8775.7  | 8543.5  | 8264.1  | 8212.7  |
| 57.5° | 9217.4  | 9303.7  | 9402.4  | 9704.4  | 10288.0 | 10824.2 | 10288.0 | 9774.3  | 9334.6  | 9229.8  |
| 60°   | 10351.6 | 10458.5 | 10553.0 | 10998.9 | 11866.0 | 12620.1 | 11849.5 | 11033.8 | 10452.3 | 10310.6 |
| 62.5° | 11570.1 | 11707.8 | 11773.5 | 12268.7 | 13279.6 | 14179.6 | 13294.0 | 12305.7 | 11660.5 | 11508.5 |
| 65°   | 12739.2 | 12852.2 | 12926.2 | 13454.3 | 14420.0 | 15322.0 | 14485.7 | 13511.8 | 12848.1 | 12648.8 |
| 67.5° | 13283.7 | 13345.4 | 13526.2 | 14124.1 | 15143.2 | 16172.7 | 15315.8 | 14187.8 | 13446.0 | 13096.7 |
| 70°   | 12486.5 | 12361.2 | 12796.8 | 13754.3 | 15229.5 | 16694.6 | 15426.8 | 13725.5 | 12817.3 | 12250.2 |
| 72.5° | 9648.9  | 9433.2  | 10189.3 | 11826.9 | 14243.3 | 16361.7 | 14341.9 | 11919.4 | 10659.9 | 9509.2  |
| 75°   | 5249.8  | 5005.3  | 6049.1  | 8120.2  | 11358.5 | 14181.6 | 11619.4 | 8352.4  | 6735.4  | 5210.8  |
| 77.5° | 1481.4  | 1389.0  | 2231.4  | 3928.6  | 6831.9  | 9957.1  | 7094.9  | 4014.9  | 2646.5  | 1569.8  |
| 80°   | 454.1   | 439.7   | 595.9   | 1183.5  | 2901.3  | 4769.0  | 2788.2  | 1197.9  | 758.2   | 478.7   |
| 82.5° | 269.2   | 246.6   | 295.9   | 431.5   | 739.7   | 1497.9  | 719.1   | 450.0   | 361.6   | 242.5   |
| 85°   | 154.1   | 143.8   | 174.7   | 209.6   | 248.6   | 318.5   | 207.5   | 213.7   | 193.1   | 129.4   |
| 87.5° | 63.7    | 57.5    | 67.8    | 65.8    | 57.5    | 74.0    | 55.5    | 65.8    | 78.1    | 51.4    |
| 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°     |
|---------|
| 3606.0  |
| 3593.7  |
| 3548.5  |
| 3499.2  |
| 3476.6  |
| 3476.6  |
| 3491.0  |
| 3517.7  |
| 3544.4  |
| 3556.7  |
| 3569.0  |
| 3599.9  |
| 3669.7  |
| 3778.6  |
| 3953.3  |
| 4195.7  |
| 4497.8  |
| 4882.0  |
| 5336.1  |
| 5853.9  |
| 6476.5  |
| 7230.5  |
| 8132.6  |
| 9155.8  |
| 10187.3 |
| 11385.2 |
| 12550.2 |
| 13100.9 |
| 12385.8 |
| 9794.8  |
| 5549.8  |
| 1744.5  |
| 505.5   |
| 263.0   |
| 135.6   |
| 47.3    |
| 0.0     |

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