

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: P955121

Luminaire Tested: **GLAN-SB8A-935-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955121  
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-SB8A-935-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 26442 lumens  
Efficiency: N/A  
Efficacy: 116.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 227.1  
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

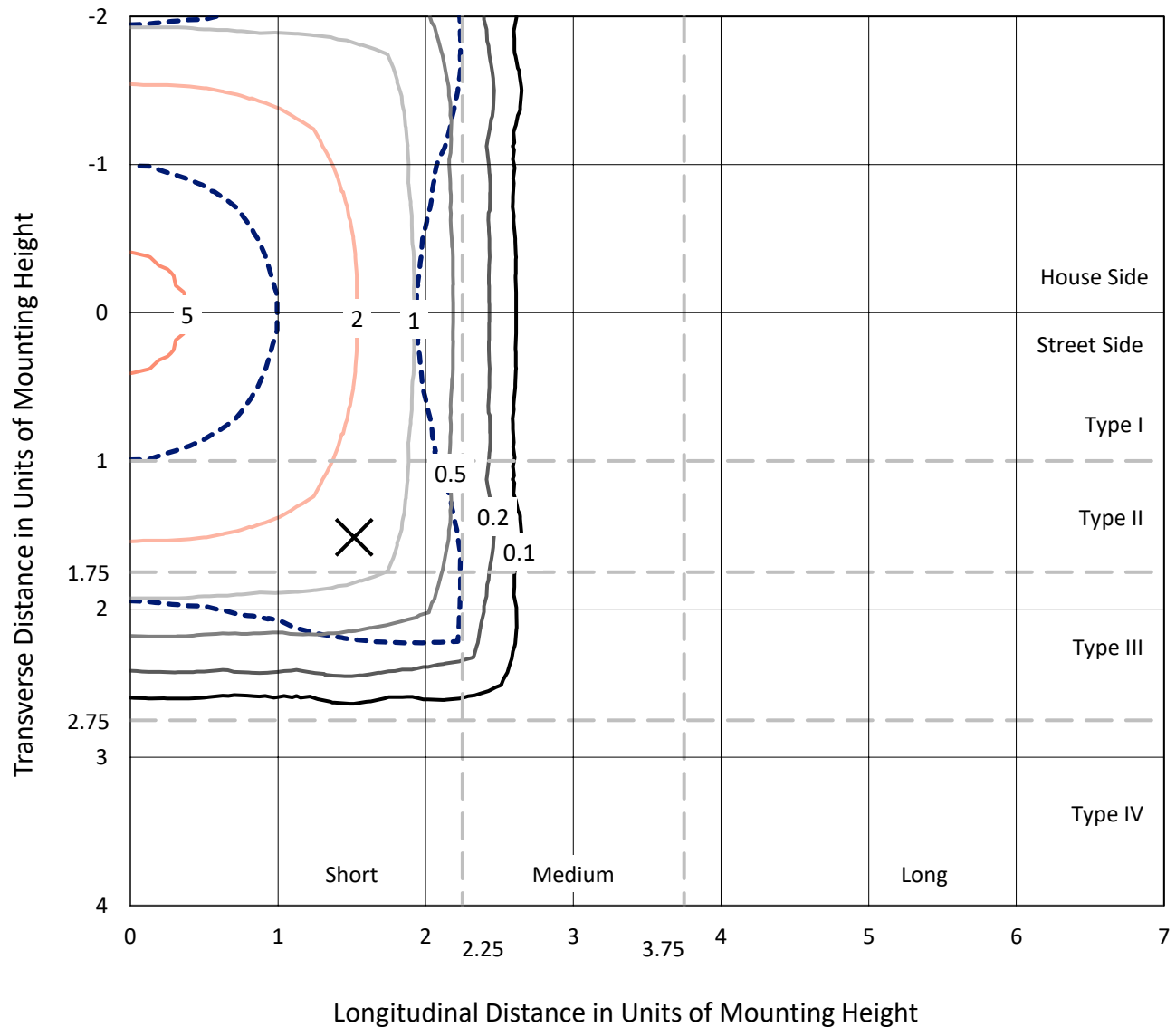


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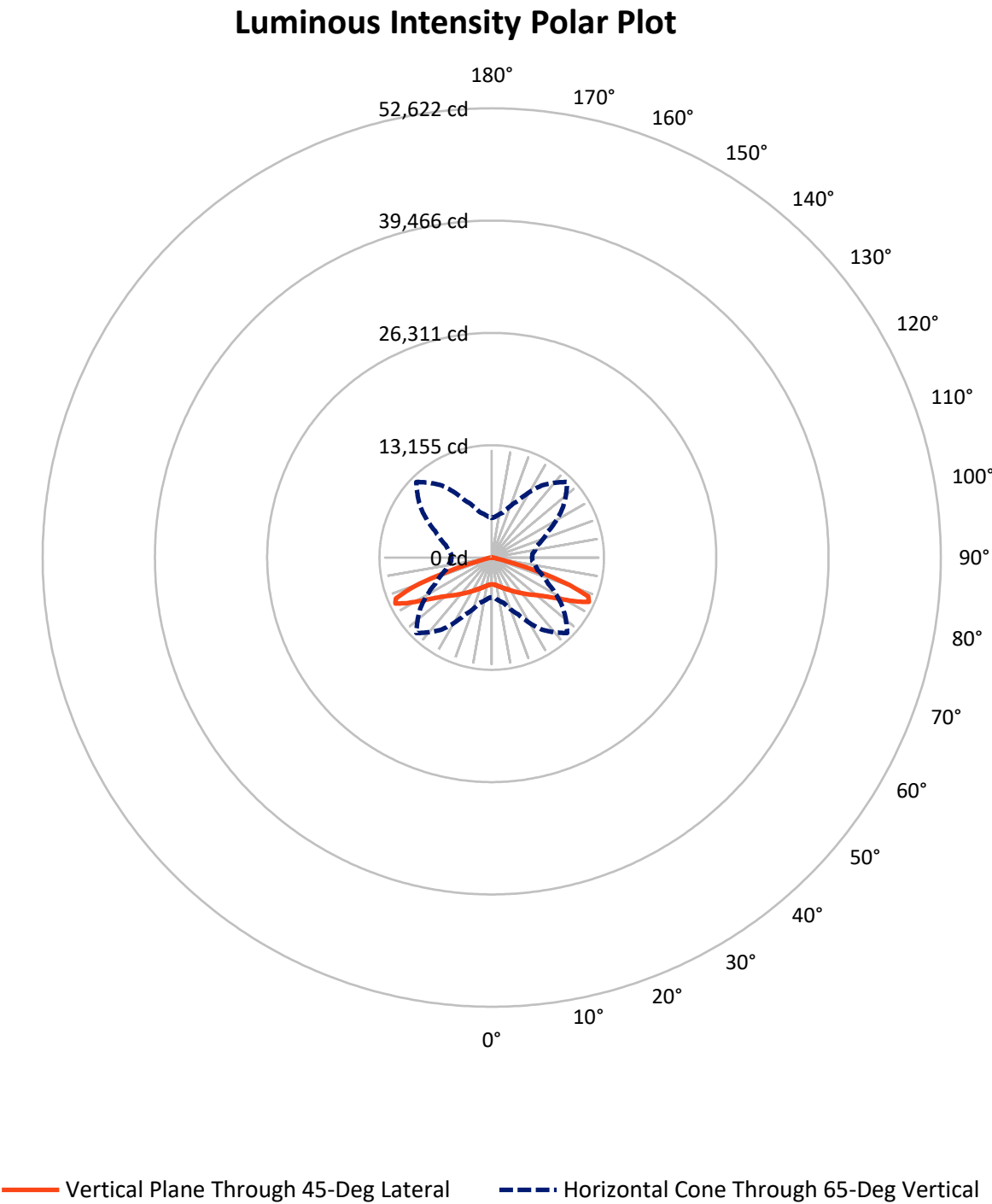
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13221.0  | 0.0    | 13221.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 13221.0  | 0.0    | 13221.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 26442.0  | 0.0    | 26442.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 310.6   | 1.2       |
| 10°-20°   | 1013.4  | 3.8       |
| 20°-30°   | 1913.4  | 7.2       |
| 30°-40°   | 3133.1  | 11.8      |
| 40°-50°   | 4858.0  | 18.4      |
| 50°-60°   | 7176.2  | 27.1      |
| 60°-70°   | 6831.1  | 25.8      |
| 70°-80°   | 1102.3  | 4.2       |
| 80°-90°   | 103.9   | 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°    | 26442.0 | 100.0     |
| 0°-180°   | 26442.0 | 100.0     |

**Coefficient of Utilization**



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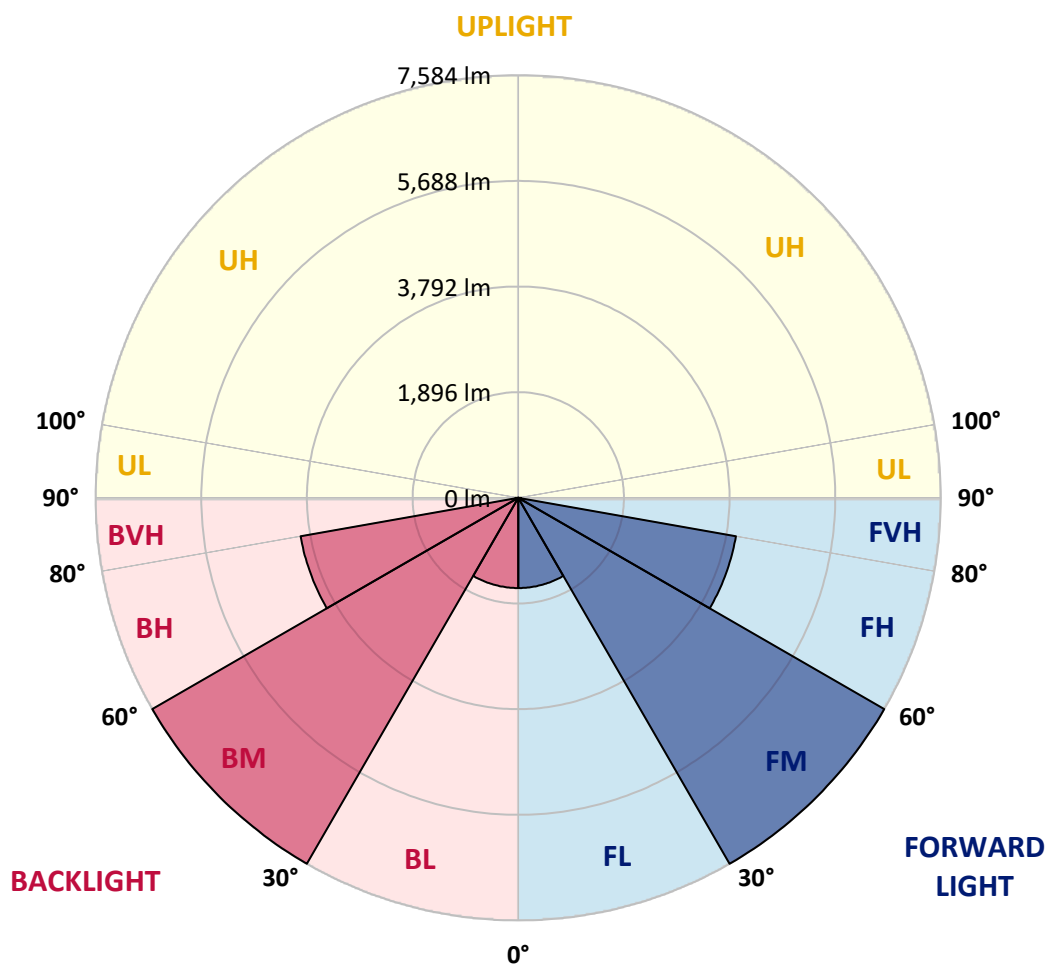
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1618.7 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 7583.7 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 3966.7 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 52.0   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1618.7 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 7583.7 | 28.7      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3966.7 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 52.0   | 0.2       |                         |      | 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°    | 3146.9 | 3146.9 | 3146.9 | 3146.9 | 3146.9  | 3146.9  | 3146.9  | 3146.9 | 3146.9 | 3146.9 |
| 2.5°  | 3168.1 | 3157.5 | 3165.4 | 3158.8 | 3153.5  | 3148.2  | 3150.8  | 3160.1 | 3164.1 | 3165.4 |
| 5°    | 3210.5 | 3201.3 | 3205.2 | 3205.2 | 3195.9  | 3193.3  | 3194.6  | 3201.3 | 3209.2 | 3209.2 |
| 7.5°  | 3279.5 | 3270.2 | 3279.5 | 3274.2 | 3266.3  | 3263.6  | 3262.3  | 3267.6 | 3279.5 | 3279.5 |
| 10°   | 3363.1 | 3352.5 | 3357.8 | 3355.1 | 3345.9  | 3341.9  | 3340.6  | 3348.5 | 3359.1 | 3357.8 |
| 12.5° | 3454.7 | 3442.7 | 3449.3 | 3441.4 | 3438.7  | 3434.7  | 3434.7  | 3433.4 | 3440.1 | 3434.7 |
| 15°   | 3556.8 | 3548.8 | 3551.5 | 3546.2 | 3550.2  | 3547.5  | 3536.9  | 3531.6 | 3534.3 | 3526.3 |
| 17.5° | 3677.5 | 3659.0 | 3668.2 | 3665.6 | 3665.6  | 3670.9  | 3653.7  | 3647.0 | 3652.3 | 3644.4 |
| 20°   | 3816.8 | 3798.3 | 3802.2 | 3796.9 | 3790.3  | 3795.6  | 3774.4  | 3779.7 | 3783.7 | 3778.4 |
| 22.5° | 3969.4 | 3945.5 | 3944.2 | 3946.8 | 3932.3  | 3933.6  | 3919.0  | 3932.3 | 3940.2 | 3925.6 |
| 25°   | 4125.9 | 4100.7 | 4118.0 | 4111.4 | 4092.8  | 4096.8  | 4086.1  | 4099.4 | 4106.0 | 4087.5 |
| 27.5° | 4291.8 | 4274.5 | 4290.5 | 4294.4 | 4271.9  | 4287.8  | 4271.9  | 4283.8 | 4290.5 | 4262.6 |
| 30°   | 4485.5 | 4468.2 | 4482.8 | 4493.4 | 4466.9  | 4492.1  | 4478.8  | 4486.8 | 4488.1 | 4455.0 |
| 32.5° | 4696.4 | 4669.9 | 4707.0 | 4712.3 | 4683.1  | 4713.7  | 4696.4  | 4707.0 | 4713.7 | 4668.6 |
| 35°   | 4953.8 | 4920.6 | 4963.1 | 4956.4 | 4931.2  | 4956.4  | 4940.5  | 4956.4 | 4972.4 | 4918.0 |
| 37.5° | 5231.1 | 5196.6 | 5241.7 | 5229.7 | 5205.9  | 5223.1  | 5213.8  | 5224.4 | 5249.6 | 5191.3 |
| 40°   | 5536.2 | 5493.7 | 5554.8 | 5533.5 | 5511.0  | 5508.3  | 5513.6  | 5520.3 | 5553.4 | 5488.4 |
| 42.5° | 5862.6 | 5817.5 | 5909.0 | 5875.8 | 5844.0  | 5822.8  | 5840.0  | 5853.3 | 5885.1 | 5812.1 |
| 45°   | 6235.4 | 6183.6 | 6303.0 | 6263.2 | 6212.8  | 6169.0  | 6196.9  | 6216.8 | 6263.2 | 6175.7 |
| 47.5° | 6646.6 | 6588.2 | 6715.6 | 6703.7 | 6621.4  | 6525.9  | 6589.6  | 6646.6 | 6681.1 | 6575.0 |
| 50°   | 7048.6 | 7003.5 | 7170.7 | 7185.2 | 7084.4  | 6950.4  | 7039.3  | 7125.5 | 7134.8 | 6995.5 |
| 52.5° | 7425.4 | 7380.3 | 7623.0 | 7714.6 | 7624.4  | 7465.2  | 7559.4  | 7646.9 | 7576.6 | 7396.2 |
| 55°   | 7726.5 | 7689.4 | 7998.5 | 8234.6 | 8265.2  | 8133.8  | 8189.5  | 8186.9 | 7956.0 | 7678.8 |
| 57.5° | 7799.5 | 7794.2 | 8184.2 | 8684.4 | 9002.8  | 9018.7  | 8908.6  | 8627.3 | 8129.8 | 7757.0 |
| 60°   | 7467.8 | 7501.0 | 8037.0 | 8919.2 | 9768.3  | 10121.2 | 9644.9  | 8842.3 | 7932.2 | 7414.8 |
| 62.5° | 6475.5 | 6563.0 | 7209.1 | 8632.6 | 10386.5 | 11389.5 | 10235.3 | 8515.9 | 7120.2 | 6445.0 |
| 65°   | 4640.7 | 4793.3 | 5507.0 | 7367.0 | 10330.8 | 12503.9 | 10150.4 | 7307.3 | 5560.1 | 4781.3 |
| 67.5° | 2105.4 | 2260.6 | 2866.9 | 5044.0 | 8980.2  | 12201.4 | 8959.0  | 5097.1 | 3010.2 | 2268.6 |
| 70°   | 762.8  | 789.4  | 984.4  | 2019.2 | 5739.2  | 9721.8  | 5984.6  | 2033.8 | 1046.7 | 841.1  |
| 72.5° | 461.7  | 465.7  | 506.8  | 723.0  | 1994.0  | 5902.4  | 2078.9  | 746.9  | 517.4  | 459.0  |
| 75°   | 293.2  | 290.5  | 360.9  | 441.8  | 707.1   | 1991.3  | 741.6   | 441.8  | 359.5  | 327.7  |
| 77.5° | 210.9  | 217.6  | 258.7  | 330.3  | 445.8   | 675.3   | 437.8   | 315.7  | 258.7  | 212.3  |
| 80°   | 157.9  | 161.9  | 188.4  | 257.4  | 313.1   | 420.6   | 278.6   | 233.5  | 195.0  | 132.7  |
| 82.5° | 114.1  | 114.1  | 123.4  | 187.1  | 191.0   | 226.9   | 151.2   | 164.5  | 128.7  | 94.2   |
| 85°   | 67.7   | 66.3   | 76.9   | 111.4  | 99.5    | 83.6    | 69.0    | 100.8  | 80.9   | 58.4   |
| 87.5° | 23.9   | 25.2   | 23.9   | 31.8   | 26.5    | 22.6    | 21.2    | 27.9   | 22.6   | 19.9   |
| 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°    |
|--------|
| 3146.9 |
| 3165.4 |
| 3209.2 |
| 3275.5 |
| 3355.1 |
| 3437.4 |
| 3527.6 |
| 3651.0 |
| 3790.3 |
| 3940.2 |
| 4108.7 |
| 4283.8 |
| 4474.9 |
| 4699.1 |
| 4951.1 |
| 5227.1 |
| 5509.7 |
| 5850.6 |
| 6220.8 |
| 6610.8 |
| 7012.8 |
| 7401.5 |
| 7688.1 |
| 7733.2 |
| 7353.7 |
| 6405.2 |
| 4724.3 |
| 2235.4 |
| 830.5  |
| 467.0  |
| 330.3  |
| 216.2  |
| 136.6  |
| 94.2   |
| 57.0   |
| 18.6   |
| 0.0    |