

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: P950626

Luminaire Tested: **GLAN-SB5A-740-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950626  
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-SB5A-740-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25106 lumens  
Efficiency: N/A  
Efficacy: 177.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 141.7  
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

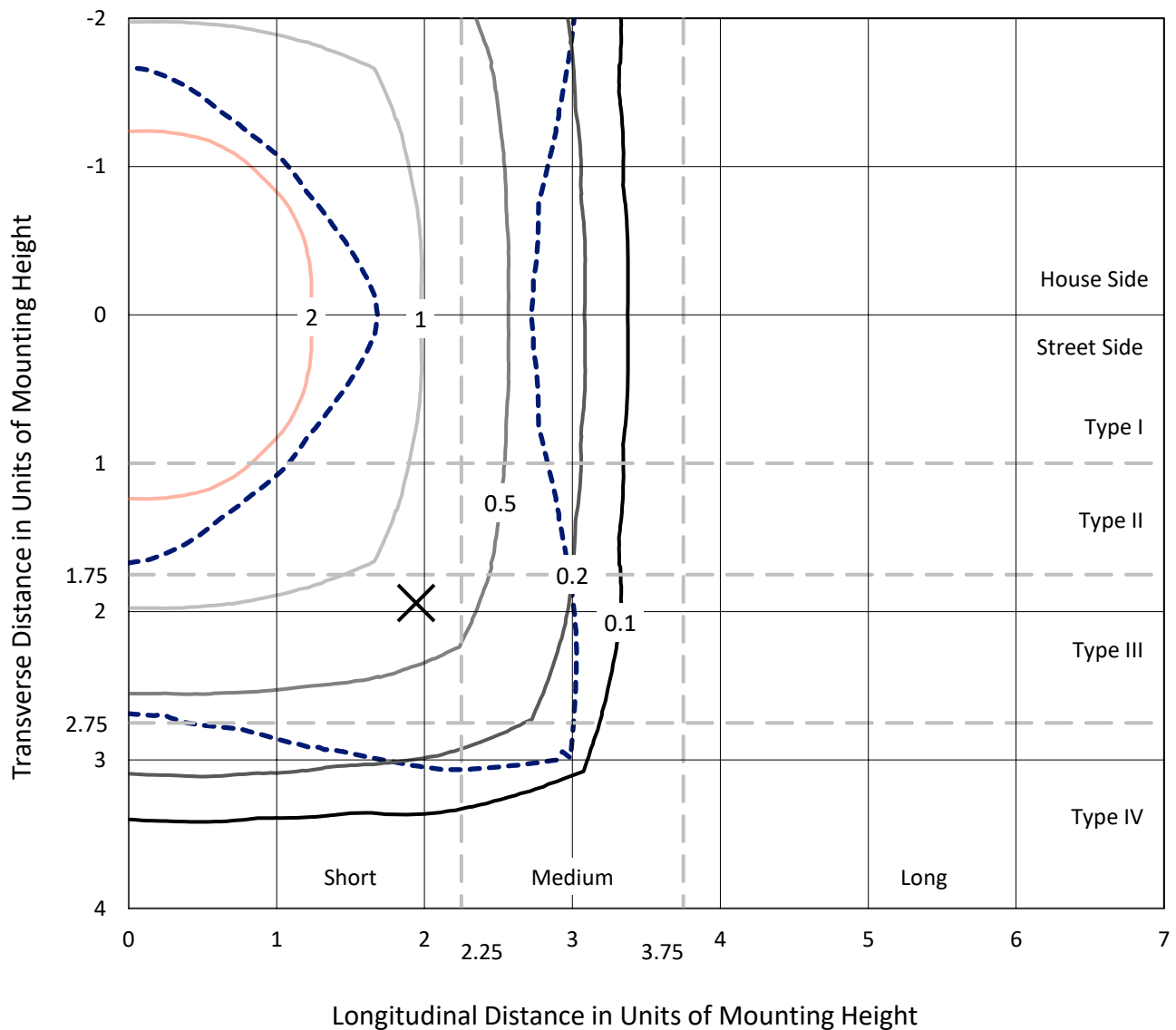


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

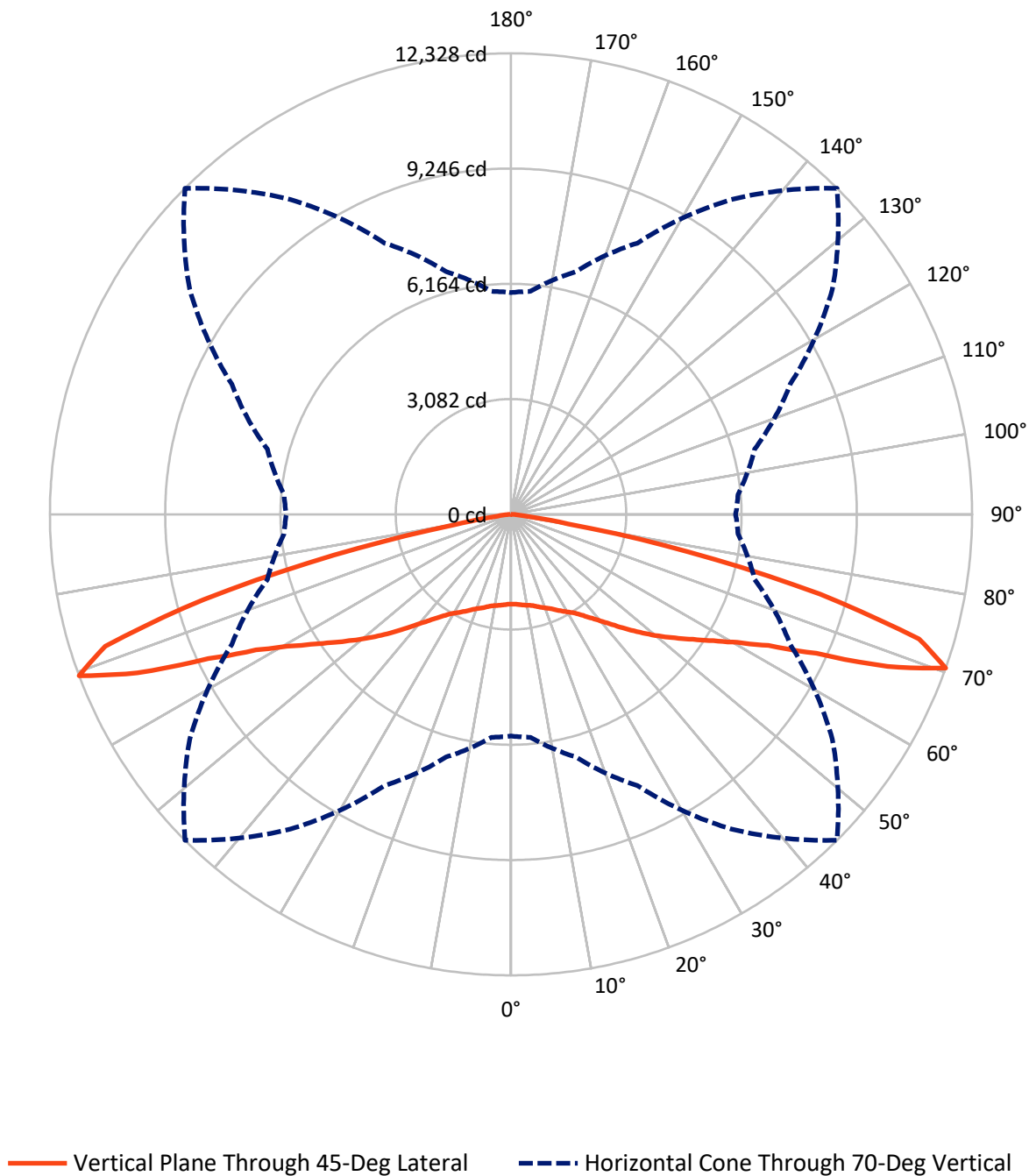


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12553.0  | 0.0    | 12553.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12553.0  | 0.0    | 12553.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25106.0  | 0.0    | 25106.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 233.6   | 0.9       |
| 10°-20°   | 724.5   | 2.9       |
| 20°-30°   | 1294.7  | 5.2       |
| 30°-40°   | 2098.7  | 8.4       |
| 40°-50°   | 3418.5  | 13.6      |
| 50°-60°   | 5212.0  | 20.8      |
| 60°-70°   | 7753.9  | 30.9      |
| 70°-80°   | 4226.1  | 16.8      |
| 80°-90°   | 143.9   | 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°    | 25106.0 | 100.0     |
| 0°-180°   | 25106.0 | 100.0     |

**Coefficient of Utilization**



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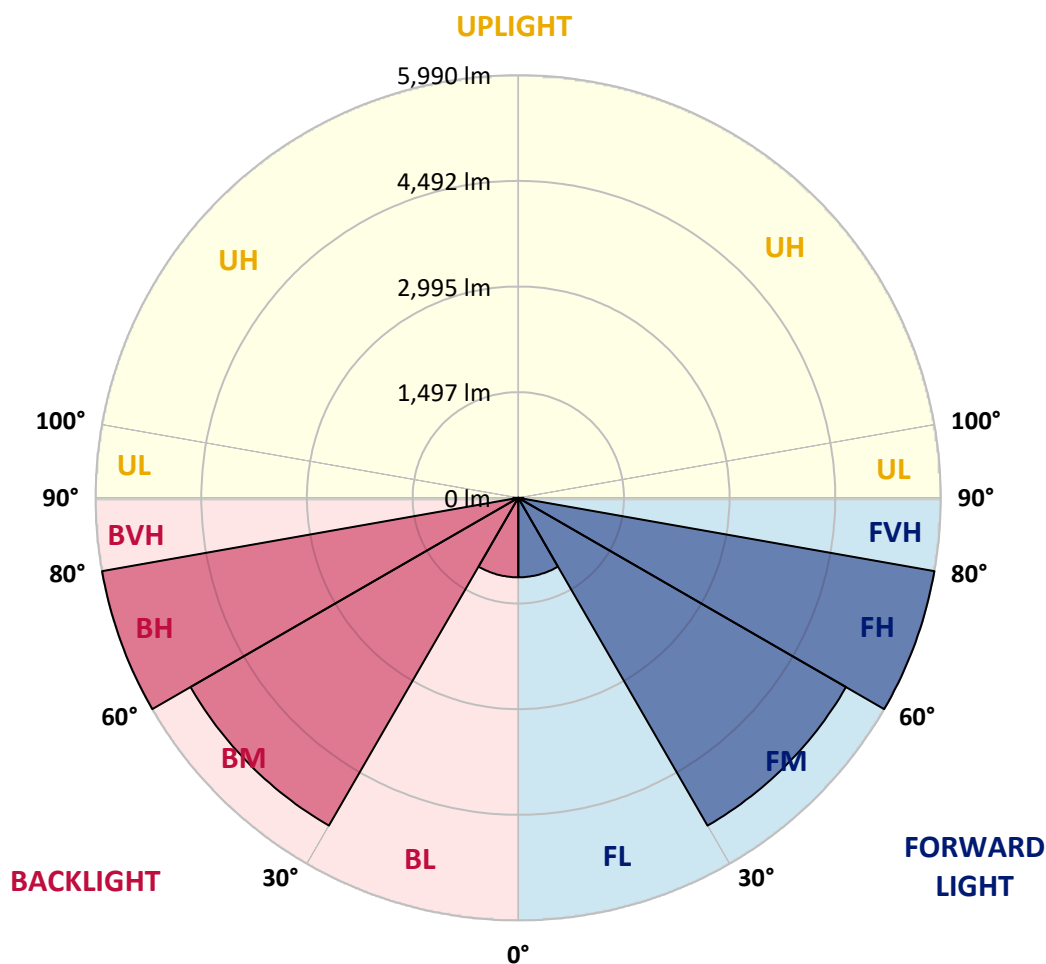
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1126.4 | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 5364.6 | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 5990.0 | 23.9      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 72.0   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1126.4 | 4.5       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 5364.6 | 21.4      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5990.0 | 23.9      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 72.0   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|
| 0°    | 2404.9 | 2404.9 | 2404.9 | 2404.9 | 2404.9  | 2404.9  | 2404.9  | 2404.9 | 2404.9 | 2404.9 |
| 2.5°  | 2416.2 | 2418.8 | 2413.7 | 2411.2 | 2408.7  | 2404.9  | 2406.2  | 2412.5 | 2417.5 | 2416.2 |
| 5°    | 2436.4 | 2438.9 | 2435.1 | 2433.9 | 2428.8  | 2427.6  | 2427.6  | 2433.9 | 2437.7 | 2435.1 |
| 7.5°  | 2459.1 | 2462.9 | 2456.6 | 2455.3 | 2452.8  | 2450.3  | 2449.0  | 2455.3 | 2459.1 | 2459.1 |
| 10°   | 2480.5 | 2484.3 | 2479.3 | 2475.5 | 2473.0  | 2473.0  | 2470.4  | 2475.5 | 2481.8 | 2480.5 |
| 12.5° | 2503.2 | 2505.7 | 2500.7 | 2498.2 | 2498.2  | 2501.9  | 2498.2  | 2500.7 | 2505.7 | 2503.2 |
| 15°   | 2530.9 | 2532.2 | 2530.9 | 2534.7 | 2541.0  | 2553.6  | 2542.3  | 2539.8 | 2542.3 | 2536.0 |
| 17.5° | 2568.8 | 2571.3 | 2576.3 | 2585.1 | 2594.0  | 2616.6  | 2596.5  | 2590.2 | 2590.2 | 2577.6 |
| 20°   | 2615.4 | 2619.2 | 2626.7 | 2641.9 | 2653.2  | 2674.6  | 2654.5  | 2645.6 | 2641.9 | 2625.5 |
| 22.5° | 2664.5 | 2670.8 | 2682.2 | 2702.4 | 2722.5  | 2742.7  | 2722.5  | 2707.4 | 2696.1 | 2674.6 |
| 25°   | 2721.3 | 2728.8 | 2746.5 | 2779.2 | 2807.0  | 2836.0  | 2812.0  | 2781.8 | 2759.1 | 2728.8 |
| 27.5° | 2801.9 | 2810.8 | 2832.2 | 2872.5 | 2907.8  | 2933.0  | 2910.3  | 2871.3 | 2839.7 | 2803.2 |
| 30°   | 2915.4 | 2924.2 | 2949.4 | 2992.3 | 3016.2  | 3032.6  | 3017.5  | 2987.2 | 2949.4 | 2907.8 |
| 32.5° | 3061.6 | 3072.9 | 3100.7 | 3141.0 | 3146.0  | 3148.5  | 3143.5  | 3128.4 | 3100.7 | 3050.2 |
| 35°   | 3246.9 | 3259.5 | 3291.0 | 3323.7 | 3318.7  | 3323.7  | 3316.2  | 3311.1 | 3291.0 | 3233.0 |
| 37.5° | 3473.7 | 3488.9 | 3521.6 | 3546.8 | 3534.2  | 3527.9  | 3529.2  | 3530.5 | 3519.1 | 3454.8 |
| 40°   | 3737.2 | 3757.3 | 3781.3 | 3807.8 | 3786.3  | 3767.4  | 3780.0  | 3790.1 | 3780.0 | 3714.5 |
| 42.5° | 4008.2 | 4037.1 | 4062.4 | 4100.2 | 4082.5  | 4058.6  | 4076.2  | 4087.6 | 4066.1 | 3995.6 |
| 45°   | 4309.4 | 4337.1 | 4369.9 | 4426.6 | 4414.0  | 4388.8  | 4414.0  | 4416.5 | 4380.0 | 4296.8 |
| 47.5° | 4620.7 | 4649.7 | 4698.9 | 4774.5 | 4769.5  | 4741.7  | 4774.5  | 4756.9 | 4710.2 | 4610.6 |
| 50°   | 4915.7 | 4956.0 | 5031.6 | 5137.5 | 5147.6  | 5113.6  | 5157.7  | 5123.6 | 5045.5 | 4920.7 |
| 52.5° | 5193.0 | 5235.8 | 5355.6 | 5499.2 | 5535.8  | 5491.7  | 5550.9  | 5491.7 | 5374.5 | 5214.4 |
| 55°   | 5484.1 | 5532.0 | 5674.4 | 5862.2 | 5935.4  | 5902.6  | 5958.0  | 5868.5 | 5702.2 | 5508.1 |
| 57.5° | 5827.0 | 5855.9 | 6026.1 | 6249.2 | 6372.7  | 6380.3  | 6405.5  | 6254.2 | 6052.6 | 5832.0 |
| 60°   | 6198.8 | 6239.1 | 6424.4 | 6691.6 | 6887.0  | 6950.0  | 6923.5  | 6699.2 | 6464.7 | 6211.4 |
| 62.5° | 6675.2 | 6719.3 | 6941.2 | 7261.3 | 7570.1  | 7726.4  | 7623.1  | 7297.9 | 7008.0 | 6704.2 |
| 65°   | 7069.7 | 7118.9 | 7519.7 | 8090.7 | 8652.8  | 8966.7  | 8707.0  | 8108.3 | 7586.5 | 7158.0 |
| 67.5° | 6783.6 | 6844.1 | 7473.1 | 8521.7 | 9919.6  | 10856.1 | 9967.5  | 8650.3 | 7628.1 | 7047.0 |
| 70°   | 5929.0 | 5985.8 | 6719.3 | 8001.2 | 10276.3 | 12328.2 | 10490.5 | 8236.9 | 6743.3 | 6092.9 |
| 72.5° | 3936.3 | 4119.1 | 4861.5 | 6399.2 | 9175.9  | 11408.1 | 9266.7  | 6269.4 | 4509.8 | 3927.5 |
| 75°   | 1305.8 | 1452.0 | 1958.7 | 3317.4 | 6145.8  | 8531.8  | 5850.9  | 2935.5 | 1551.6 | 1116.7 |
| 77.5° | 329.0  | 379.4  | 523.1  | 949.1  | 2451.5  | 4857.7  | 2207.0  | 775.2  | 422.2  | 294.9  |
| 80°   | 160.1  | 176.5  | 252.1  | 316.4  | 613.8   | 1544.0  | 576.0   | 297.5  | 199.1  | 153.8  |
| 82.5° | 88.2   | 89.5   | 142.4  | 179.0  | 228.1   | 399.6   | 237.0   | 173.9  | 114.7  | 93.3   |
| 85°   | 54.2   | 52.9   | 75.6   | 95.8   | 95.8    | 142.4   | 113.4   | 95.8   | 65.5   | 58.0   |
| 87.5° | 21.4   | 21.4   | 27.7   | 30.3   | 26.5    | 36.6    | 29.0    | 31.5   | 25.2   | 23.9   |
| 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°    |
|--------|
| 2404.9 |
| 2417.5 |
| 2436.4 |
| 2459.1 |
| 2480.5 |
| 2501.9 |
| 2536.0 |
| 2577.6 |
| 2625.5 |
| 2673.4 |
| 2727.6 |
| 2801.9 |
| 2907.8 |
| 3051.5 |
| 3233.0 |
| 3454.8 |
| 3714.5 |
| 4000.6 |
| 4305.6 |
| 4604.3 |
| 4918.2 |
| 5199.3 |
| 5481.6 |
| 5801.7 |
| 6171.1 |
| 6651.3 |
| 7087.4 |
| 6960.1 |
| 6005.9 |
| 3800.2 |
| 1056.2 |
| 263.4  |
| 141.2  |
| 93.3   |
| 60.5   |
| 25.2   |
| 0.0    |