

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: P952121

Luminaire Tested: **GLAN-SB6A-827-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952121  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-827-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

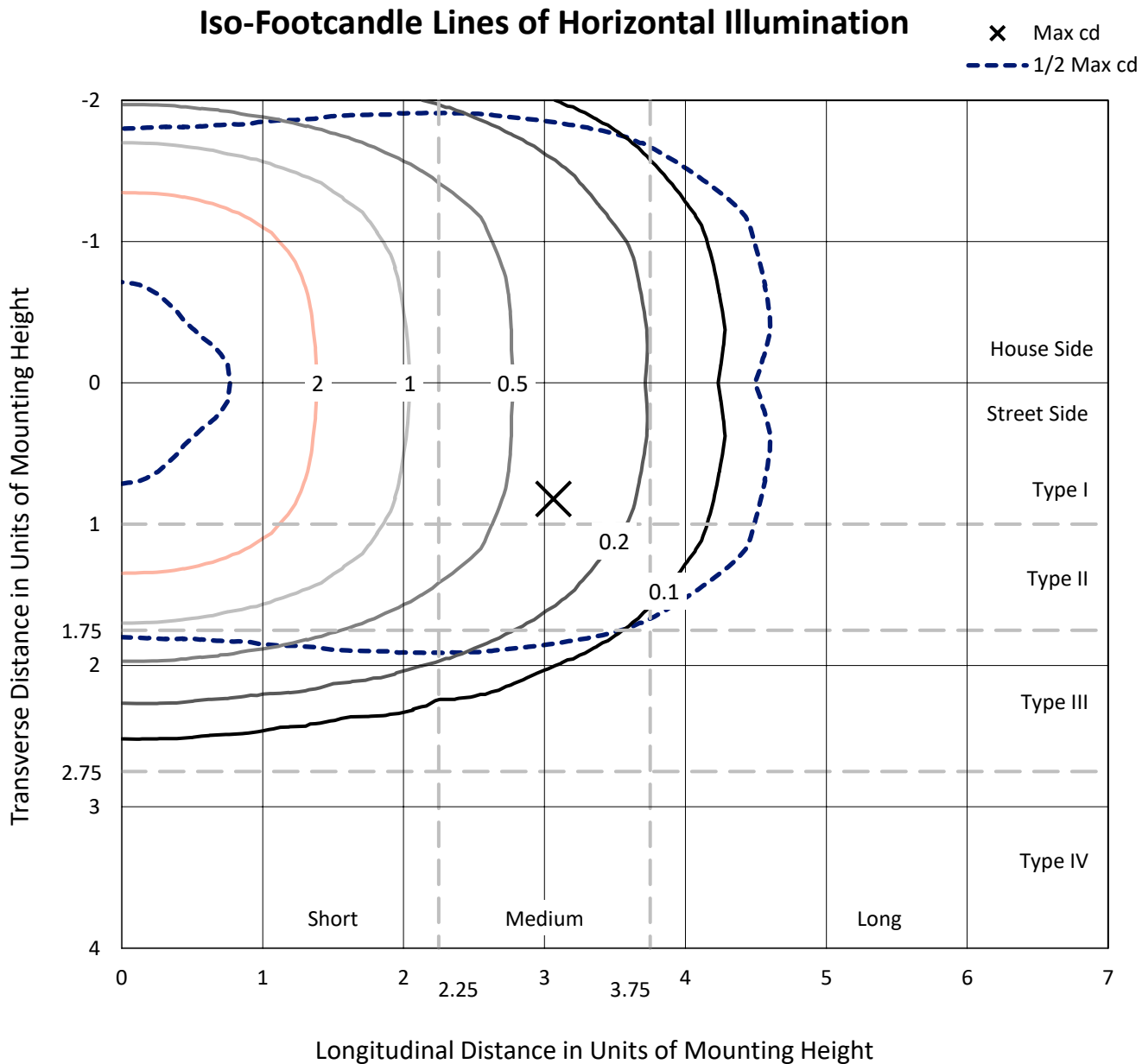
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 24358 lumens  
Efficiency: N/A  
Efficacy: 142.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 170.9  
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

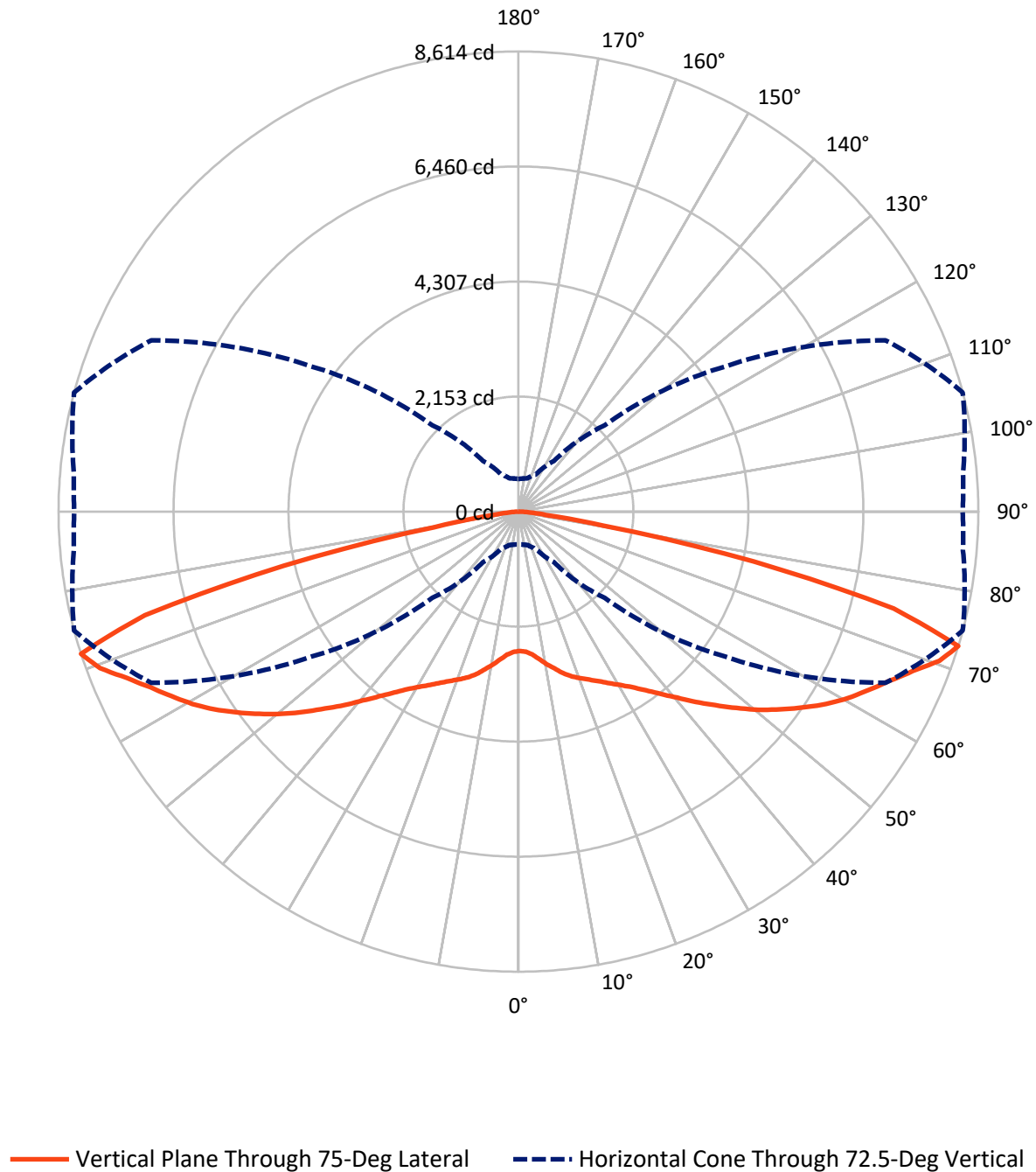


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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12179.0  | 0.0    | 12179.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12179.0  | 0.0    | 12179.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 24358.0  | 0.0    | 24358.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 255.6   | 1.0       |
| 10°-20°   | 843.0   | 3.5       |
| 20°-30°   | 1628.9  | 6.7       |
| 30°-40°   | 2750.5  | 11.3      |
| 40°-50°   | 4362.0  | 17.9      |
| 50°-60°   | 5840.2  | 24.0      |
| 60°-70°   | 5558.0  | 22.8      |
| 70°-80°   | 2900.3  | 11.9      |
| 80°-90°   | 219.5   | 0.9       |
| 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°    | 24358.0 | 100.0     |
| 0°-180°   | 24358.0 | 100.0     |

**Coefficient of Utilization**



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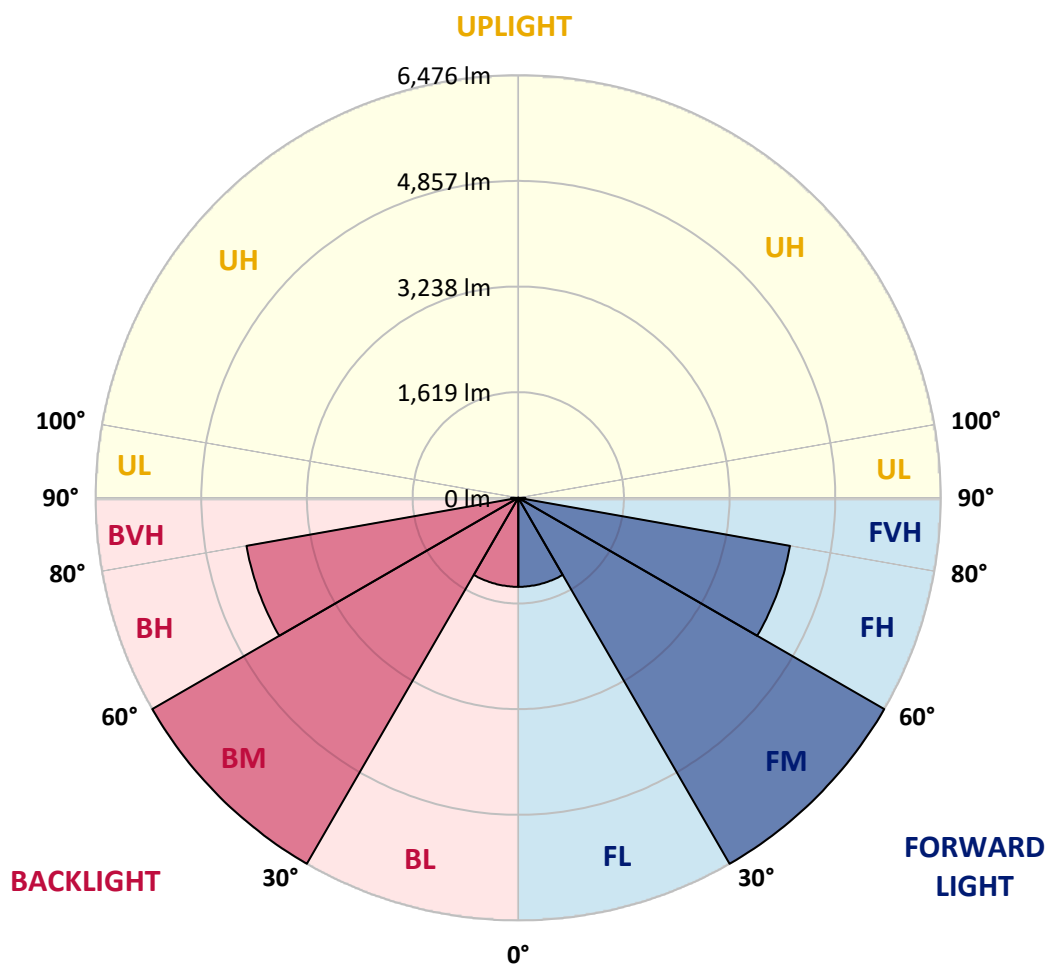
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1363.7 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 6476.4 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 4229.1 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 109.8  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1363.7 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6476.4 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4229.1 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 109.8  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 | 2609.2 |
| 2.5°  | 2609.2 | 2606.7 | 2609.2 | 2611.7 | 2610.4 | 2610.4 | 2616.6 | 2620.4 | 2627.8 | 2626.6 |
| 5°    | 2591.8 | 2590.5 | 2600.5 | 2611.7 | 2620.4 | 2635.3 | 2653.9 | 2667.6 | 2685.0 | 2688.8 |
| 7.5°  | 2583.1 | 2579.3 | 2596.7 | 2616.6 | 2644.0 | 2681.3 | 2717.4 | 2754.7 | 2784.5 | 2794.5 |
| 10°   | 2589.3 | 2590.5 | 2614.2 | 2651.5 | 2695.0 | 2747.2 | 2798.2 | 2861.6 | 2903.9 | 2913.9 |
| 12.5° | 2617.9 | 2615.4 | 2655.2 | 2714.9 | 2774.6 | 2840.5 | 2900.2 | 2969.8 | 3015.9 | 3039.5 |
| 15°   | 2670.1 | 2665.1 | 2721.1 | 2809.4 | 2896.5 | 2973.6 | 3022.1 | 3088.0 | 3141.5 | 3171.3 |
| 17.5° | 2732.3 | 2734.8 | 2808.2 | 2922.6 | 3037.0 | 3124.0 | 3170.1 | 3203.6 | 3244.7 | 3270.8 |
| 20°   | 2841.7 | 2846.7 | 2928.8 | 3064.4 | 3194.9 | 3294.4 | 3331.7 | 3319.3 | 3330.5 | 3350.4 |
| 22.5° | 2988.5 | 2991.0 | 3083.0 | 3229.8 | 3366.6 | 3476.0 | 3500.9 | 3449.9 | 3418.8 | 3432.5 |
| 25°   | 3158.9 | 3175.0 | 3267.1 | 3417.6 | 3558.1 | 3662.5 | 3673.7 | 3596.6 | 3519.5 | 3523.3 |
| 27.5° | 3366.6 | 3381.5 | 3474.8 | 3624.0 | 3767.0 | 3857.8 | 3856.6 | 3753.3 | 3640.2 | 3611.6 |
| 30°   | 3591.7 | 3607.8 | 3703.6 | 3857.8 | 3990.9 | 4070.5 | 4053.1 | 3929.9 | 3768.3 | 3714.8 |
| 32.5° | 3859.0 | 3869.0 | 3966.0 | 4120.2 | 4243.3 | 4306.8 | 4270.7 | 4119.0 | 3917.5 | 3856.6 |
| 35°   | 4182.4 | 4197.3 | 4269.5 | 4415.0 | 4523.2 | 4575.4 | 4514.4 | 4335.4 | 4109.0 | 4040.6 |
| 37.5° | 4551.8 | 4541.8 | 4623.9 | 4753.2 | 4842.8 | 4875.1 | 4791.8 | 4579.1 | 4327.9 | 4247.1 |
| 40°   | 4937.3 | 4932.3 | 5021.9 | 5146.2 | 5194.7 | 5214.6 | 5091.5 | 4858.9 | 4580.4 | 4493.3 |
| 42.5° | 5286.8 | 5283.0 | 5403.7 | 5541.7 | 5600.2 | 5577.8 | 5422.3 | 5156.2 | 4872.6 | 4773.1 |
| 45°   | 5566.6 | 5561.6 | 5709.6 | 5903.6 | 6018.0 | 5980.7 | 5771.8 | 5484.5 | 5168.6 | 5065.4 |
| 47.5° | 5781.7 | 5784.2 | 5943.4 | 6183.4 | 6383.7 | 6397.3 | 6128.7 | 5819.0 | 5494.4 | 5377.5 |
| 50°   | 5937.2 | 5944.6 | 6115.0 | 6381.2 | 6654.8 | 6775.4 | 6493.1 | 6162.3 | 5831.5 | 5699.6 |
| 52.5° | 5975.7 | 5989.4 | 6194.6 | 6506.8 | 6828.9 | 7059.0 | 6863.7 | 6491.9 | 6151.1 | 6025.5 |
| 55°   | 5770.5 | 5797.9 | 6057.8 | 6496.8 | 6935.8 | 7245.5 | 7189.5 | 6826.4 | 6473.2 | 6343.9 |
| 57.5° | 5299.2 | 5337.7 | 5641.2 | 6214.5 | 6912.2 | 7373.6 | 7442.0 | 7147.3 | 6795.3 | 6670.9 |
| 60°   | 4638.8 | 4684.8 | 4975.8 | 5601.4 | 6578.9 | 7420.9 | 7619.8 | 7459.4 | 7091.3 | 6970.7 |
| 62.5° | 3642.7 | 3702.3 | 4050.6 | 4784.3 | 5875.0 | 7200.7 | 7771.6 | 7741.7 | 7357.4 | 7207.0 |
| 65°   | 2336.8 | 2400.2 | 2767.1 | 3633.9 | 4936.0 | 6526.7 | 7818.8 | 8016.6 | 7638.5 | 7428.3 |
| 67.5° | 1409.1 | 1437.7 | 1619.2 | 2202.5 | 3607.8 | 5510.6 | 7418.4 | 8321.3 | 7966.8 | 7705.7 |
| 70°   | 901.6  | 917.8  | 1026.0 | 1293.4 | 2039.6 | 4020.7 | 6425.9 | 8378.5 | 8364.8 | 7990.5 |
| 72.5° | 611.9  | 616.9  | 645.5  | 766.1  | 1154.1 | 2284.6 | 4739.6 | 7585.0 | 8613.5 | 8357.3 |
| 75°   | 447.7  | 475.1  | 521.1  | 542.2  | 655.4  | 1141.7 | 2716.1 | 5329.0 | 7259.2 | 7371.1 |
| 77.5° | 333.3  | 334.5  | 398.0  | 422.8  | 467.6  | 608.1  | 1149.1 | 2974.8 | 4507.0 | 4732.1 |
| 80°   | 282.3  | 267.4  | 266.1  | 340.8  | 352.0  | 379.3  | 513.6  | 1027.3 | 1614.3 | 978.8  |
| 82.5° | 235.0  | 218.9  | 197.7  | 266.1  | 240.0  | 232.6  | 222.6  | 417.9  | 513.6  | 252.5  |
| 85°   | 164.2  | 156.7  | 149.2  | 174.1  | 136.8  | 116.9  | 107.0  | 195.3  | 216.4  | 107.0  |
| 87.5° | 70.9   | 73.4   | 74.6   | 77.1   | 57.2   | 41.0   | 41.0   | 54.7   | 54.7   | 42.3   |
| 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°    |
|--------|
| 2609.2 |
| 2625.3 |
| 2688.8 |
| 2797.0 |
| 2923.8 |
| 3049.4 |
| 3182.5 |
| 3283.2 |
| 3365.3 |
| 3442.4 |
| 3529.5 |
| 3620.3 |
| 3721.0 |
| 3871.5 |
| 4050.6 |
| 4262.0 |
| 4521.9 |
| 4798.0 |
| 5089.0 |
| 5412.4 |
| 5739.4 |
| 6057.8 |
| 6379.9 |
| 6699.5 |
| 6996.8 |
| 7224.4 |
| 7454.4 |
| 7725.6 |
| 7988.0 |
| 8317.5 |
| 7100.0 |
| 4220.9 |
| 740.0  |
| 215.2  |
| 94.5   |
| 31.1   |
| 0.0    |

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