

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: P941920

Luminaire Tested: **GLAN-SB5C-940-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P941920  
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-SB5C-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 27729 lumens  
Efficiency: N/A  
Efficacy: 111.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

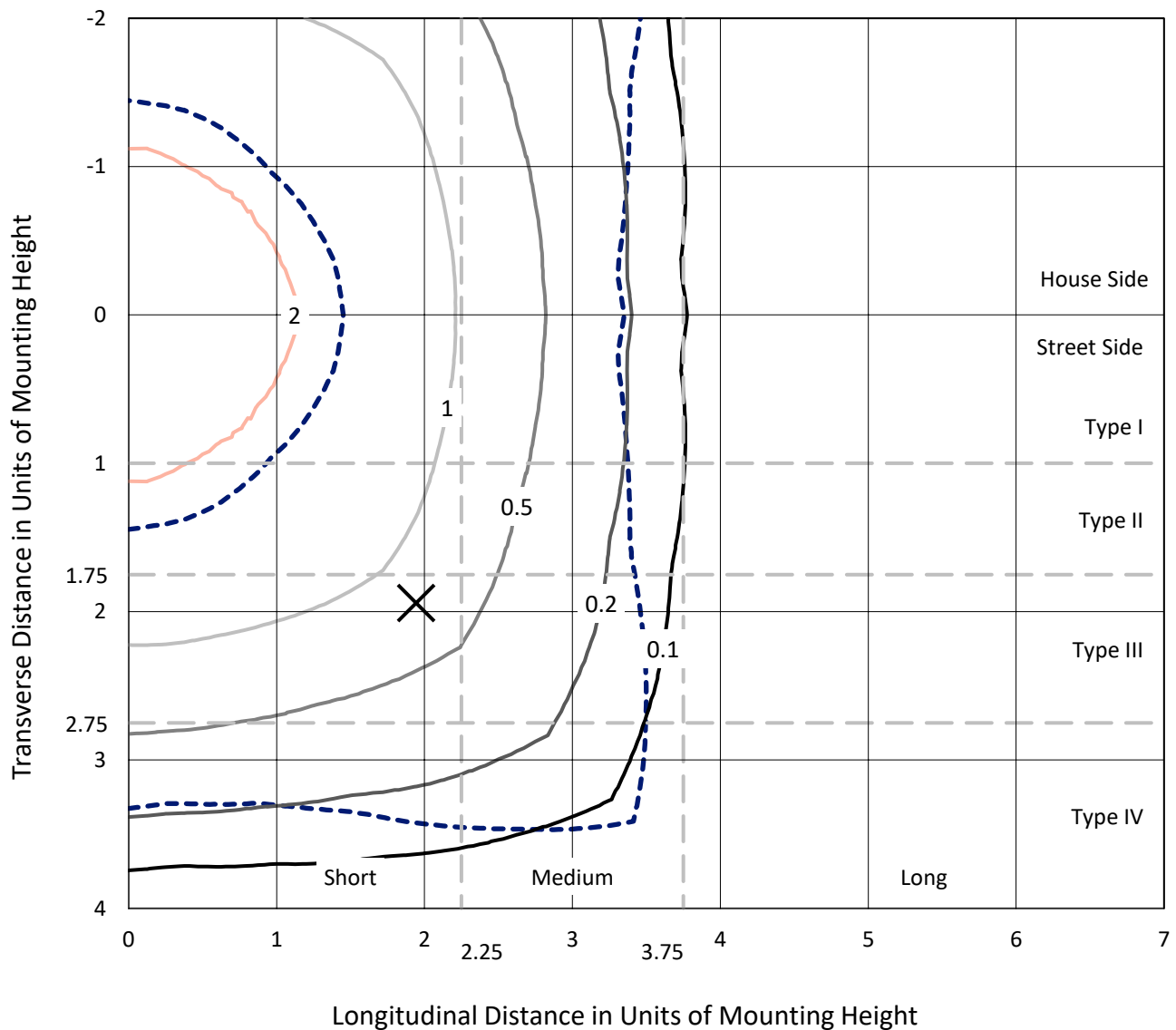
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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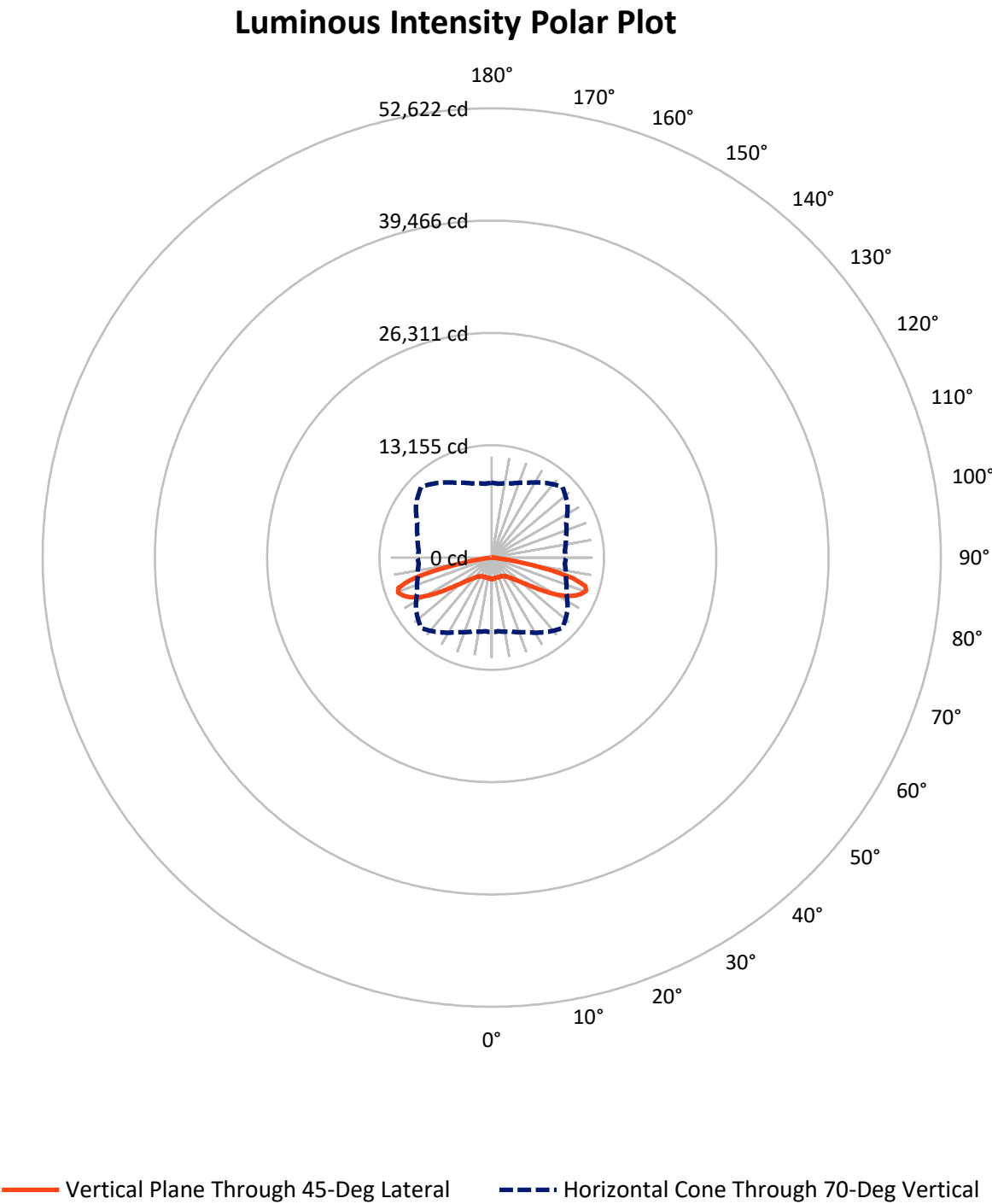
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc  
Type V - Short - N/A

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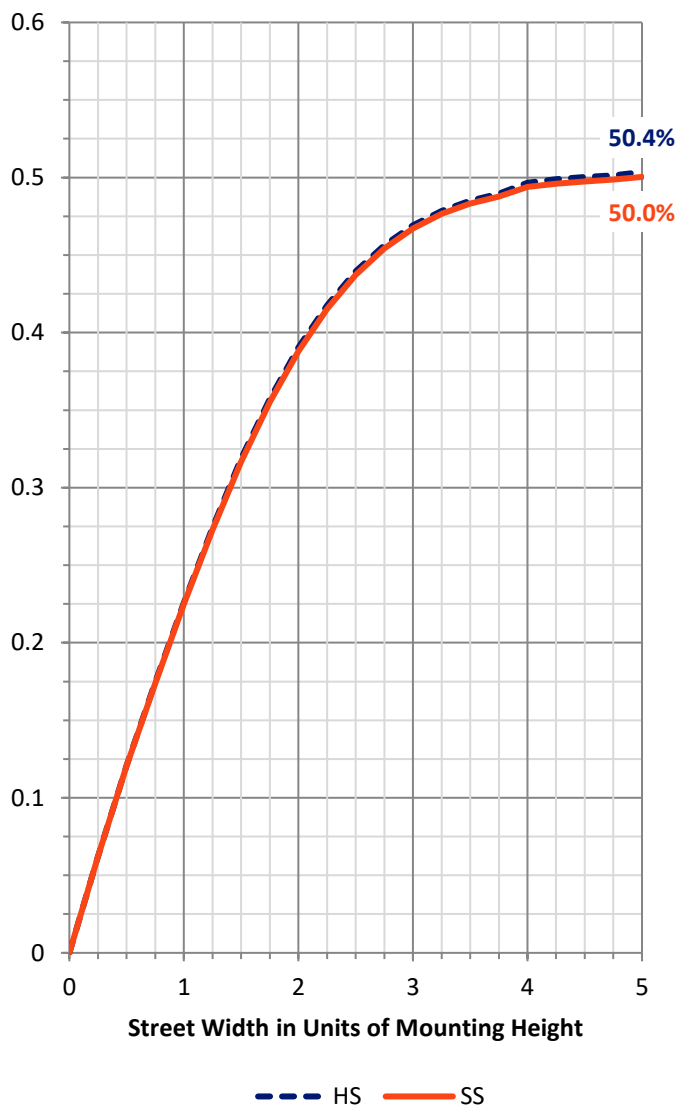
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 13864.5  | 0.0    | 13864.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 13864.5  | 0.0    | 13864.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 27729.0  | 0.0    | 27729.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 235.3   | 0.8       |
| 10°-20°   | 690.9   | 2.5       |
| 20°-30°   | 1149.7  | 4.1       |
| 30°-40°   | 1738.8  | 6.3       |
| 40°-50°   | 2889.4  | 10.4      |
| 50°-60°   | 5452.2  | 19.7      |
| 60°-70°   | 9206.3  | 33.2      |
| 70°-80°   | 6049.5  | 21.8      |
| 80°-90°   | 316.9   | 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°    | 27729.0 | 100.0     |
| 0°-180°   | 27729.0 | 100.0     |

**Coefficient of Utilization**



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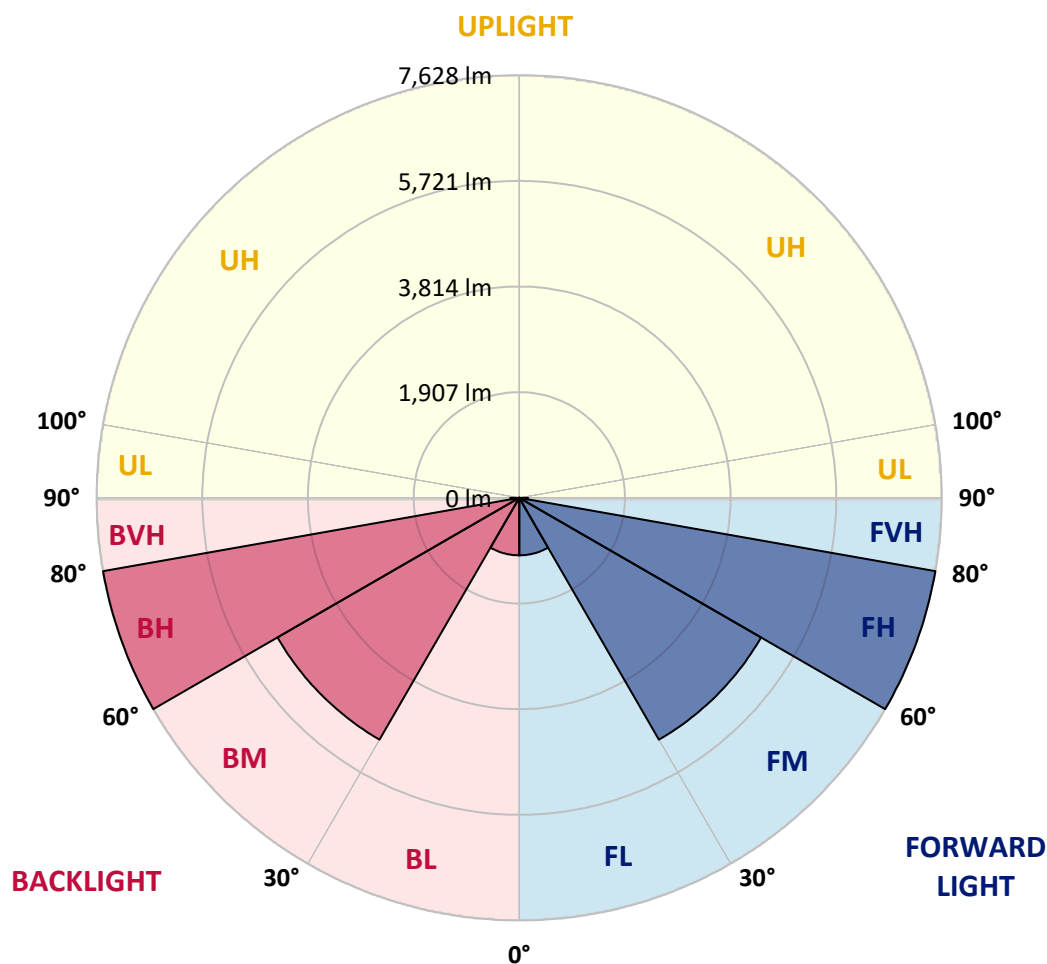
CATALOG NUMBER: GLAN-SB5C-940-U-5WQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1038.0 | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 5040.2 | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 7627.9 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 158.5  | 0.6       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1038.0 | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 5040.2 | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 7627.9 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 158.5  | 0.6       |                         |      | G2/225   |
| 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°    | 2529.4 | 2529.4 | 2529.4 | 2529.4 | 2529.4  | 2529.4  | 2529.4  | 2529.4 | 2529.4 | 2529.4 |
| 2.5°  | 2513.6 | 2520.8 | 2517.9 | 2512.1 | 2512.1  | 2507.8  | 2512.1  | 2515.0 | 2519.4 | 2522.2 |
| 5°    | 2480.4 | 2486.2 | 2484.8 | 2480.4 | 2481.9  | 2477.6  | 2480.4  | 2484.8 | 2487.6 | 2489.1 |
| 7.5°  | 2451.6 | 2457.4 | 2454.5 | 2447.3 | 2447.3  | 2443.0  | 2444.4  | 2448.7 | 2453.1 | 2454.5 |
| 10°   | 2444.4 | 2450.2 | 2441.5 | 2430.0 | 2425.7  | 2419.9  | 2421.3  | 2425.7 | 2434.3 | 2438.6 |
| 12.5° | 2447.3 | 2451.6 | 2443.0 | 2425.7 | 2421.3  | 2415.6  | 2415.6  | 2419.9 | 2431.4 | 2437.2 |
| 15°   | 2455.9 | 2460.3 | 2447.3 | 2428.6 | 2424.2  | 2419.9  | 2418.5  | 2424.2 | 2437.2 | 2447.3 |
| 17.5° | 2471.8 | 2476.1 | 2455.9 | 2430.0 | 2424.2  | 2425.7  | 2424.2  | 2428.6 | 2448.7 | 2467.5 |
| 20°   | 2486.2 | 2489.1 | 2461.7 | 2430.0 | 2424.2  | 2425.7  | 2424.2  | 2432.9 | 2458.8 | 2484.8 |
| 22.5° | 2490.5 | 2493.4 | 2467.5 | 2440.1 | 2435.8  | 2437.2  | 2435.8  | 2444.4 | 2468.9 | 2494.9 |
| 25°   | 2492.0 | 2496.3 | 2476.1 | 2454.5 | 2461.7  | 2464.6  | 2461.7  | 2463.1 | 2481.9 | 2504.9 |
| 27.5° | 2513.6 | 2519.4 | 2500.6 | 2481.9 | 2486.2  | 2484.8  | 2489.1  | 2493.4 | 2507.8 | 2530.9 |
| 30°   | 2558.3 | 2562.6 | 2546.7 | 2528.0 | 2525.1  | 2515.0  | 2528.0  | 2542.4 | 2558.3 | 2578.4 |
| 32.5° | 2631.8 | 2640.4 | 2620.2 | 2600.1 | 2587.1  | 2581.3  | 2591.4  | 2615.9 | 2637.5 | 2659.2 |
| 35°   | 2754.3 | 2760.0 | 2741.3 | 2703.8 | 2680.8  | 2680.8  | 2689.4  | 2721.1 | 2755.7 | 2783.1 |
| 37.5° | 2927.2 | 2934.4 | 2901.3 | 2856.6 | 2822.0  | 2822.0  | 2833.6  | 2866.7 | 2918.6 | 2957.5 |
| 40°   | 3137.7 | 3147.8 | 3106.0 | 3059.8 | 3026.7  | 3020.9  | 3035.3  | 3072.8 | 3121.8 | 3170.8 |
| 42.5° | 3391.3 | 3402.9 | 3348.1 | 3307.7 | 3281.8  | 3281.8  | 3289.0  | 3323.6 | 3368.3 | 3428.8 |
| 45°   | 3715.6 | 3735.8 | 3660.8 | 3620.5 | 3596.0  | 3601.8  | 3606.1  | 3636.3 | 3676.7 | 3745.9 |
| 47.5° | 4101.9 | 4122.1 | 4042.8 | 4001.0 | 3996.7  | 4024.0  | 4006.8  | 4028.4 | 4050.0 | 4129.3 |
| 50°   | 4540.0 | 4574.6 | 4519.8 | 4517.0 | 4525.6  | 4576.1  | 4535.7  | 4547.2 | 4522.7 | 4573.2 |
| 52.5° | 5076.2 | 5126.6 | 5116.5 | 5133.8 | 5230.4  | 5334.2  | 5241.9  | 5201.6 | 5109.3 | 5125.2 |
| 55°   | 5726.2 | 5802.6 | 5817.0 | 5920.8 | 6139.8  | 6351.7  | 6155.7  | 5992.8 | 5796.8 | 5760.8 |
| 57.5° | 6465.6 | 6526.1 | 6595.3 | 6807.2 | 7216.5  | 7592.7  | 7216.5  | 6856.2 | 6547.7 | 6474.2 |
| 60°   | 7261.2 | 7336.1 | 7402.4 | 7715.2 | 8323.4  | 8852.3  | 8311.9  | 7739.7 | 7331.8 | 7232.3 |
| 62.5° | 8115.8 | 8212.4 | 8258.5 | 8605.9 | 9315.0  | 9946.3  | 9325.1  | 8631.8 | 8179.3 | 8072.6 |
| 65°   | 8935.9 | 9015.2 | 9067.1 | 9437.5 | 10114.9 | 10747.6 | 10161.0 | 9477.8 | 9012.3 | 8872.5 |
| 67.5° | 9317.9 | 9361.1 | 9487.9 | 9907.3 | 10622.2 | 11344.3 | 10743.3 | 9952.0 | 9431.7 | 9186.7 |
| 70°   | 8758.6 | 8670.7 | 8976.3 | 9647.9 | 10682.8 | 11710.4 | 10821.1 | 9627.7 | 8990.7 | 8592.9 |
| 72.5° | 6768.2 | 6616.9 | 7147.3 | 8296.0 | 9990.9  | 11476.9 | 10060.1 | 8360.9 | 7477.4 | 6670.2 |
| 75°   | 3682.5 | 3511.0 | 4243.1 | 5695.9 | 7967.4  | 9947.7  | 8150.4  | 5858.8 | 4724.5 | 3655.1 |
| 77.5° | 1039.2 | 974.3  | 1565.2 | 2755.7 | 4792.2  | 6984.4  | 4976.7  | 2816.3 | 1856.4 | 1101.1 |
| 80°   | 318.5  | 308.4  | 418.0  | 830.2  | 2035.1  | 3345.2  | 1955.8  | 840.3  | 531.8  | 335.8  |
| 82.5° | 188.8  | 173.0  | 207.5  | 302.7  | 518.9   | 1050.7  | 504.4   | 315.6  | 253.7  | 170.1  |
| 85°   | 108.1  | 100.9  | 122.5  | 147.0  | 174.4   | 223.4   | 145.6   | 149.9  | 135.5  | 90.8   |
| 87.5° | 44.7   | 40.4   | 47.6   | 46.1   | 40.4    | 51.9    | 38.9    | 46.1   | 54.8   | 36.0   |
| 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°    |
|--------|
| 2529.4 |
| 2520.8 |
| 2489.1 |
| 2454.5 |
| 2438.6 |
| 2438.6 |
| 2448.7 |
| 2467.5 |
| 2486.2 |
| 2494.9 |
| 2503.5 |
| 2525.1 |
| 2574.1 |
| 2650.5 |
| 2773.0 |
| 2943.1 |
| 3155.0 |
| 3424.5 |
| 3743.0 |
| 4106.2 |
| 4542.9 |
| 5071.9 |
| 5704.6 |
| 6422.3 |
| 7145.9 |
| 7986.1 |
| 8803.3 |
| 9189.6 |
| 8688.0 |
| 6870.6 |
| 3892.9 |
| 1223.6 |
| 354.6  |
| 184.5  |
| 95.1   |
| 33.1   |
| 0.0    |

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