

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: P956510

Luminaire Tested: **GLAN-SB9A-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956510  
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-SB9A-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25610 lumens  
Efficiency: N/A  
Efficacy: 100.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - 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



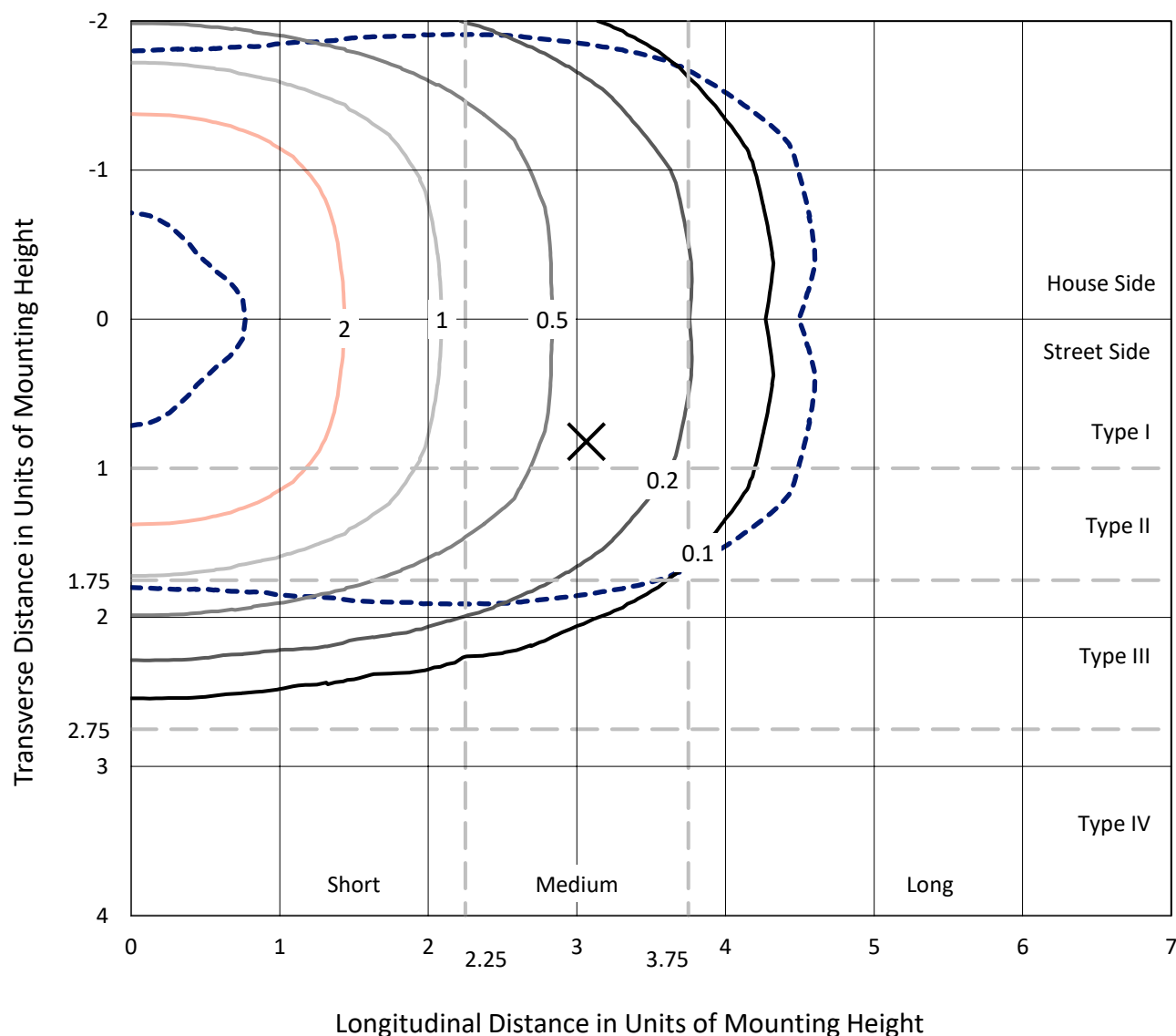
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

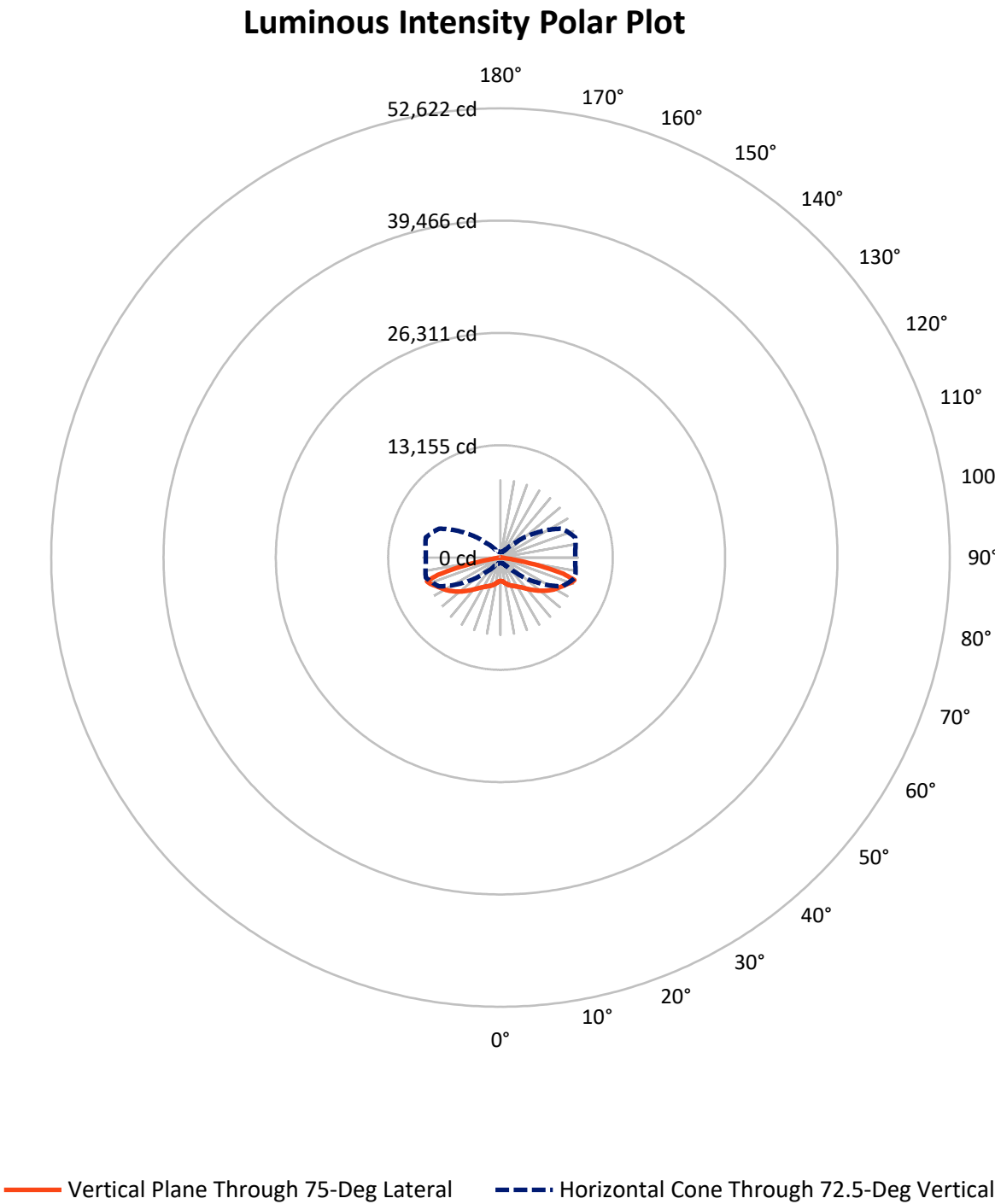
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc

Type III - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 12805.0  | 0.0    | 12805.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 12805.0  | 0.0    | 12805.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 25610.0  | 0.0    | 25610.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 268.7   | 1.0       |
| 10°-20°   | 886.3   | 3.5       |
| 20°-30°   | 1712.6  | 6.7       |
| 30°-40°   | 2891.9  | 11.3      |
| 40°-50°   | 4586.2  | 17.9      |
| 50°-60°   | 6140.4  | 24.0      |
| 60°-70°   | 5843.7  | 22.8      |
| 70°-80°   | 3049.3  | 11.9      |
| 80°-90°   | 230.8   | 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°    | 25610.0 | 100.0     |
| 0°-180°   | 25610.0 | 100.0     |

**Coefficient of Utilization**



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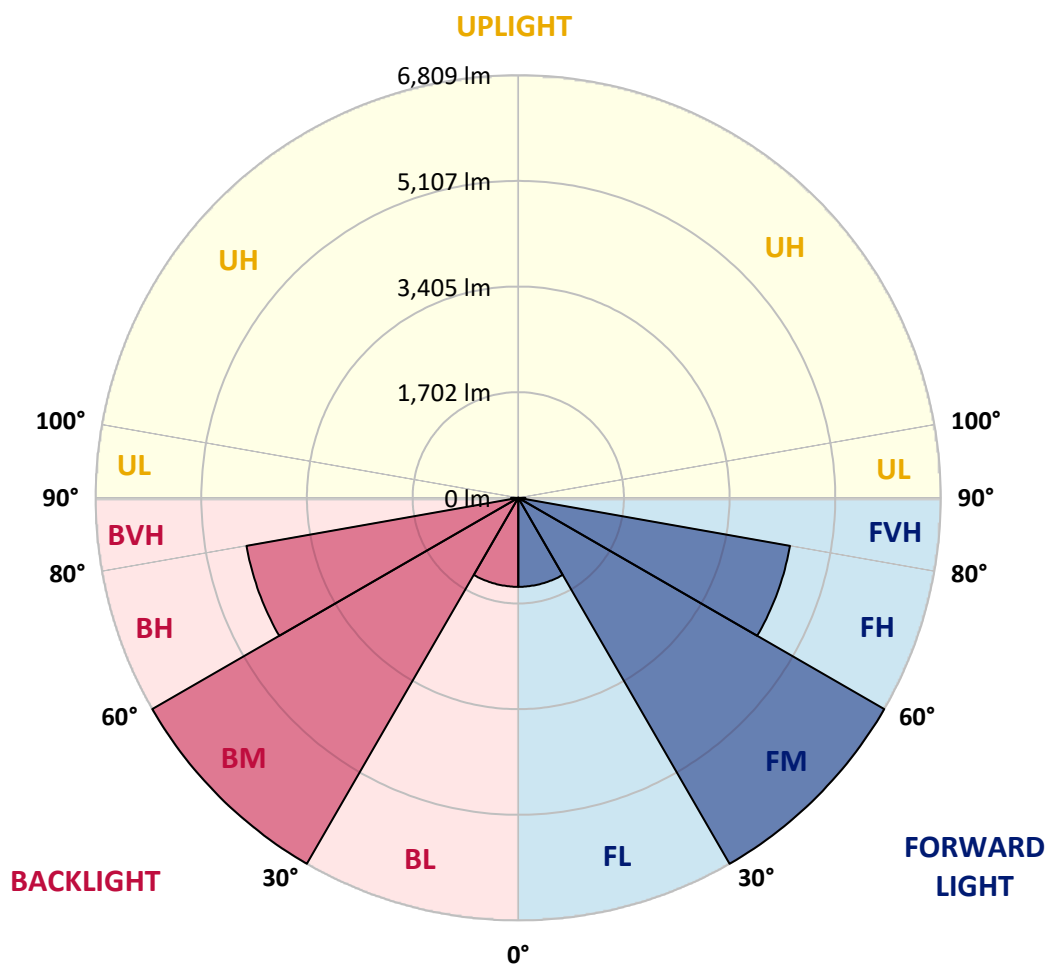
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1433.8 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 6809.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 4446.5 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 115.4  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1433.8 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 6809.2 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4446.5 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 115.4  | 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°    | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 | 2743.3 |
| 2.5°  | 2743.3 | 2740.7 | 2743.3 | 2745.9 | 2744.6 | 2744.6 | 2751.1 | 2755.1 | 2762.9 | 2761.6 |
| 5°    | 2725.0 | 2723.7 | 2734.1 | 2745.9 | 2755.1 | 2770.7 | 2790.4 | 2804.7 | 2823.1 | 2827.0 |
| 7.5°  | 2715.8 | 2711.9 | 2730.2 | 2751.1 | 2779.9 | 2819.1 | 2857.0 | 2896.3 | 2927.7 | 2938.1 |
| 10°   | 2722.4 | 2723.7 | 2748.5 | 2787.7 | 2833.5 | 2888.4 | 2942.0 | 3008.7 | 3053.2 | 3063.6 |
| 12.5° | 2752.4 | 2749.8 | 2791.7 | 2854.4 | 2917.2 | 2986.5 | 3049.3 | 3122.5 | 3170.9 | 3195.7 |
| 15°   | 2807.4 | 2802.1 | 2861.0 | 2953.8 | 3045.3 | 3126.4 | 3177.4 | 3246.7 | 3302.9 | 3334.3 |
| 17.5° | 2872.7 | 2875.4 | 2952.5 | 3072.8 | 3193.1 | 3284.6 | 3333.0 | 3368.3 | 3411.5 | 3438.9 |
| 20°   | 2987.8 | 2993.0 | 3079.3 | 3221.9 | 3359.2 | 3463.8 | 3503.0 | 3489.9 | 3501.7 | 3522.6 |
| 22.5° | 3142.1 | 3144.7 | 3241.5 | 3395.8 | 3539.6 | 3654.7 | 3680.8 | 3627.2 | 3594.5 | 3608.9 |
| 25°   | 3321.2 | 3338.2 | 3435.0 | 3593.2 | 3741.0 | 3850.8 | 3862.6 | 3781.5 | 3700.4 | 3704.4 |
| 27.5° | 3539.6 | 3555.3 | 3653.4 | 3810.3 | 3960.6 | 4056.1 | 4054.8 | 3946.3 | 3827.3 | 3797.2 |
| 30°   | 3776.3 | 3793.3 | 3894.0 | 4056.1 | 4196.0 | 4279.7 | 4261.4 | 4131.9 | 3961.9 | 3905.7 |
| 32.5° | 4057.4 | 4067.9 | 4169.9 | 4332.0 | 4461.4 | 4528.1 | 4490.2 | 4330.7 | 4118.9 | 4054.8 |
| 35°   | 4397.4 | 4413.1 | 4488.9 | 4641.9 | 4755.6 | 4810.6 | 4746.5 | 4558.2 | 4320.2 | 4248.3 |
| 37.5° | 4785.7 | 4775.3 | 4861.6 | 4997.5 | 5091.7 | 5125.7 | 5038.1 | 4814.5 | 4550.4 | 4465.4 |
| 40°   | 5191.1 | 5185.8 | 5280.0 | 5410.7 | 5461.7 | 5482.7 | 5353.2 | 5108.7 | 4815.8 | 4724.3 |
| 42.5° | 5558.5 | 5554.6 | 5681.4 | 5826.5 | 5888.0 | 5864.5 | 5701.0 | 5421.2 | 5123.1 | 5018.5 |
| 45°   | 5852.7 | 5847.5 | 6003.1 | 6207.1 | 6327.3 | 6288.1 | 6068.4 | 5766.4 | 5434.3 | 5325.7 |
| 47.5° | 6078.9 | 6081.5 | 6248.9 | 6501.3 | 6711.8 | 6726.2 | 6443.7 | 6118.1 | 5776.9 | 5653.9 |
| 50°   | 6242.4 | 6250.2 | 6429.3 | 6709.2 | 6996.8 | 7123.7 | 6826.8 | 6479.0 | 6131.2 | 5992.6 |
| 52.5° | 6282.9 | 6297.3 | 6513.0 | 6841.2 | 7179.9 | 7421.8 | 7216.5 | 6825.5 | 6467.3 | 6335.2 |
| 55°   | 6067.1 | 6095.9 | 6369.2 | 6830.8 | 7292.3 | 7617.9 | 7559.1 | 7177.3 | 6805.9 | 6669.9 |
| 57.5° | 5571.6 | 5612.1 | 5931.2 | 6533.9 | 7267.5 | 7752.6 | 7824.5 | 7514.6 | 7144.6 | 7013.8 |
| 60°   | 4877.2 | 4925.6 | 5231.6 | 5889.3 | 6917.1 | 7802.3 | 8011.5 | 7842.8 | 7455.8 | 7329.0 |
| 62.5° | 3829.9 | 3892.6 | 4258.8 | 5030.2 | 6177.0 | 7570.9 | 8171.0 | 8139.6 | 7735.6 | 7577.4 |
| 65°   | 2456.9 | 2523.6 | 2909.4 | 3820.7 | 5189.8 | 6862.1 | 8220.7 | 8428.6 | 8031.1 | 7810.1 |
| 67.5° | 1481.5 | 1511.6 | 1702.5 | 2315.7 | 3793.3 | 5793.9 | 7799.7 | 8749.0 | 8376.3 | 8101.7 |
| 70°   | 948.0  | 965.0  | 1078.7 | 1359.9 | 2144.4 | 4227.4 | 6756.2 | 8809.1 | 8794.7 | 8401.2 |
| 72.5° | 643.3  | 648.6  | 678.6  | 805.5  | 1213.4 | 2402.0 | 4983.2 | 7974.9 | 9056.3 | 8786.9 |
| 75°   | 470.7  | 499.5  | 547.9  | 570.1  | 689.1  | 1200.4 | 2855.7 | 5603.0 | 7632.3 | 7750.0 |
| 77.5° | 350.4  | 351.7  | 418.4  | 444.6  | 491.6  | 639.4  | 1208.2 | 3127.7 | 4738.6 | 4975.3 |
| 80°   | 296.8  | 281.1  | 279.8  | 358.3  | 370.0  | 398.8  | 540.0  | 1080.1 | 1697.2 | 1029.1 |
| 82.5° | 247.1  | 230.1  | 207.9  | 279.8  | 252.4  | 244.5  | 234.1  | 439.3  | 540.0  | 265.4  |
| 85°   | 172.6  | 164.8  | 156.9  | 183.1  | 143.8  | 122.9  | 112.5  | 205.3  | 227.5  | 112.5  |
| 87.5° | 74.5   | 77.1   | 78.5   | 81.1   | 60.1   | 43.1   | 43.1   | 57.5   | 57.5   | 44.5   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 2743.3 |
| 2760.3 |
| 2827.0 |
| 2940.7 |
| 3074.1 |
| 3206.2 |
| 3346.1 |
| 3452.0 |
| 3538.3 |
| 3619.4 |
| 3710.9 |
| 3806.3 |
| 3912.3 |
| 4070.5 |
| 4258.8 |
| 4481.1 |
| 4754.3 |
| 5044.6 |
| 5350.6 |
| 5690.6 |
| 6034.5 |
| 6369.2 |
| 6707.9 |
| 7043.9 |
| 7356.4 |
| 7595.7 |
| 7837.6 |
| 8122.6 |
| 8398.5 |
| 8745.1 |
| 7464.9 |
| 4437.9 |
| 778.0  |
| 226.2  |
| 99.4   |
| 32.7   |
| 0.0    |

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