

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: P942233

Luminaire Tested: **GLAN-SB6A-927-U-T1**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P942233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-927-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 16380 lumens  
Efficiency: N/A  
Efficacy: 95.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
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



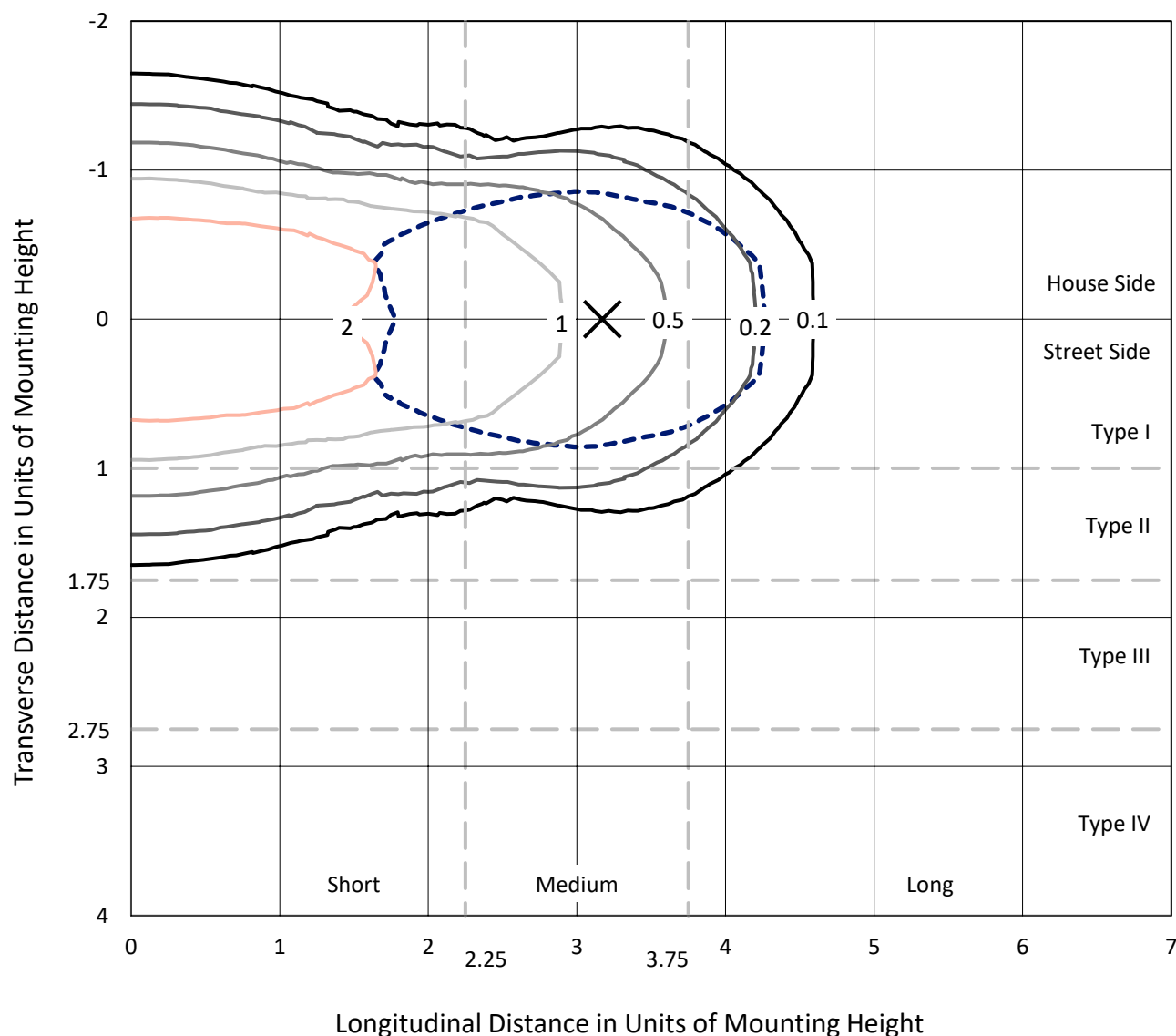
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

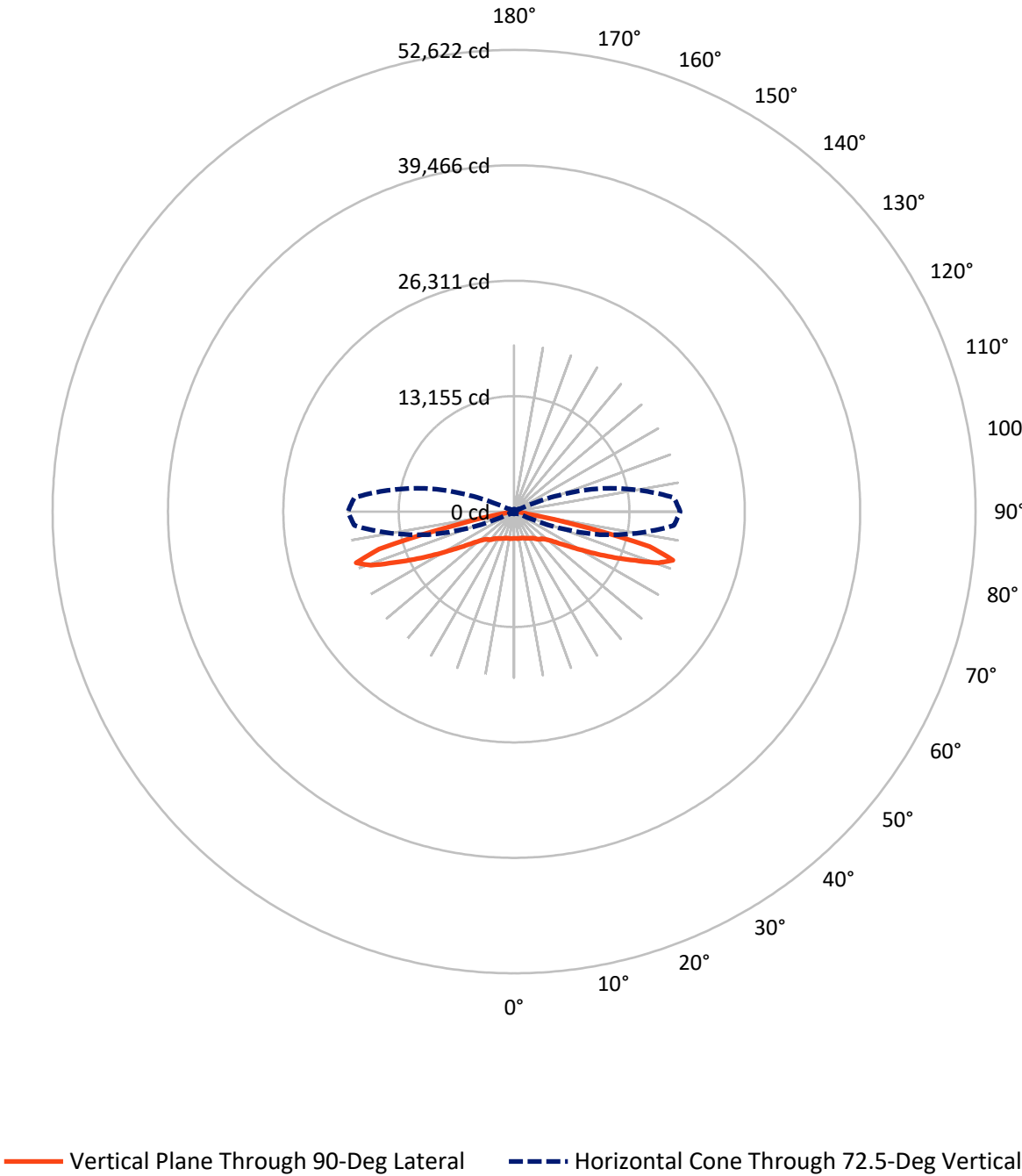


Based on 25 foot mounting height. Maximum calculated value = 4.9 fc

Type I - 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    | 8190.0   | 0.0    | 8190.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8190.0   | 0.0    | 8190.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16380.0  | 0.0    | 16380.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 296.8   | 1.8       |
| 10°-20°   | 907.4   | 5.5       |
| 20°-30°   | 1513.1  | 9.2       |
| 30°-40°   | 2080.9  | 12.7      |
| 40°-50°   | 2541.4  | 15.5      |
| 50°-60°   | 2939.4  | 17.9      |
| 60°-70°   | 3504.7  | 21.4      |
| 70°-80°   | 2446.1  | 14.9      |
| 80°-90°   | 150.2   | 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°    | 16380.0 | 100.0     |
| 0°-180°   | 16380.0 | 100.0     |

**Coefficient of Utilization**



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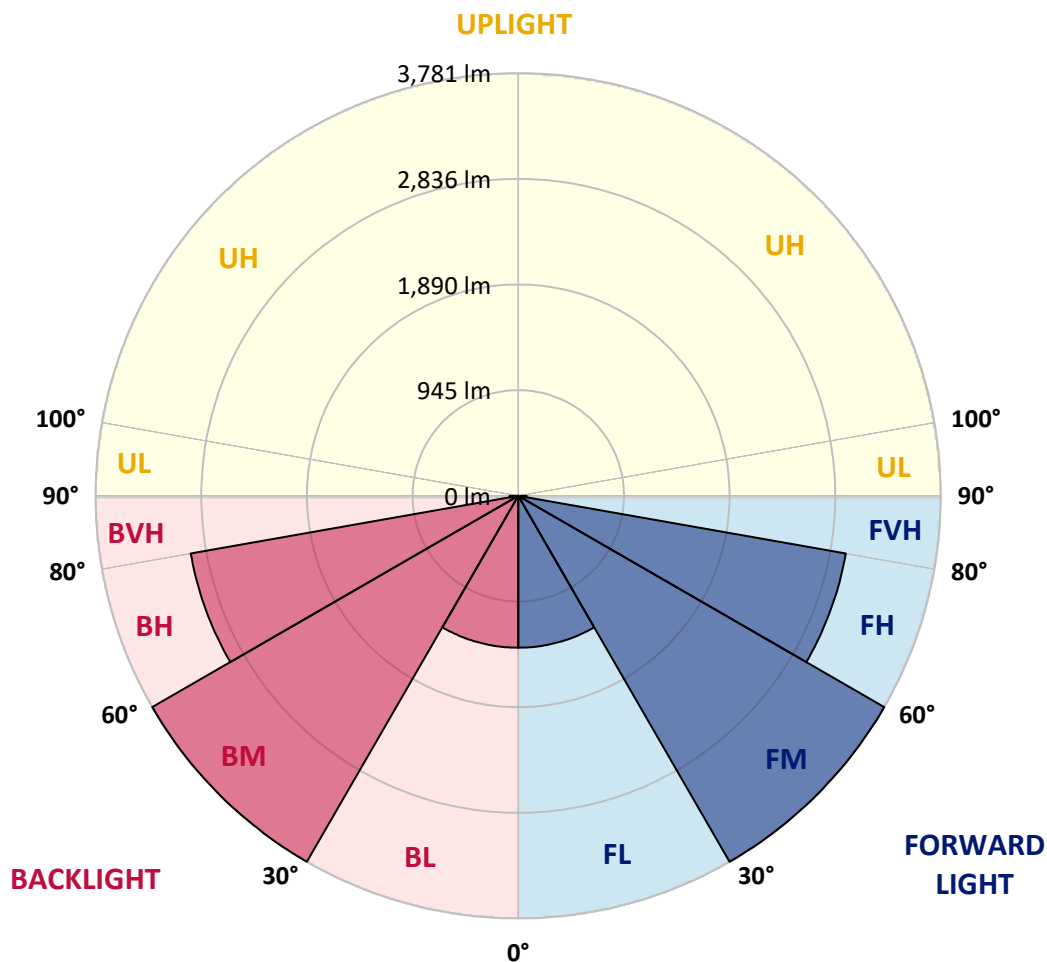
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1358.6 | 8.3       |                         |      |         |
| FM   | (30°-60°)   | 3780.8 | 23.1      |                         |      |         |
| FH   | (60°-80°)   | 2975.4 | 18.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 75.1   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 1358.6 | 8.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3780.8 | 23.1      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2975.4 | 18.2      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 75.1   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°     | 85°     |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 3060.8 | 3060.8 | 3060.8 | 3060.8 | 3060.8 | 3060.8 | 3060.8 | 3060.8 | 3060.8  | 3060.8  |
| 2.5°  | 3063.4 | 3066.9 | 3066.9 | 3064.3 | 3070.4 | 3065.1 | 3065.1 | 3062.5 | 3065.1  | 3062.5  |
| 5°    | 3079.1 | 3083.4 | 3085.2 | 3084.3 | 3092.1 | 3087.8 | 3087.8 | 3084.3 | 3085.2  | 3082.5  |
| 7.5°  | 3108.7 | 3114.7 | 3118.2 | 3122.6 | 3133.9 | 3128.7 | 3125.2 | 3114.7 | 3110.4  | 3103.4  |
| 10°   | 3118.2 | 3125.2 | 3136.5 | 3159.1 | 3185.3 | 3186.1 | 3175.7 | 3149.6 | 3129.5  | 3113.9  |
| 12.5° | 3088.6 | 3098.2 | 3121.7 | 3167.9 | 3226.2 | 3249.7 | 3233.1 | 3189.6 | 3150.4  | 3122.6  |
| 15°   | 3051.2 | 3061.6 | 3097.3 | 3167.0 | 3253.2 | 3308.0 | 3306.3 | 3248.8 | 3186.1  | 3142.6  |
| 17.5° | 2992.9 | 3003.3 | 3054.7 | 3152.2 | 3274.1 | 3364.6 | 3389.0 | 3329.8 | 3241.8  | 3183.5  |
| 20°   | 2887.5 | 2897.1 | 2968.5 | 3105.2 | 3281.0 | 3424.7 | 3488.2 | 3436.0 | 3326.3  | 3247.1  |
| 22.5° | 2750.9 | 2765.7 | 2849.2 | 3024.2 | 3264.5 | 3487.3 | 3601.4 | 3565.7 | 3424.7  | 3315.0  |
| 25°   | 2604.6 | 2620.3 | 2717.8 | 2925.0 | 3221.8 | 3532.6 | 3735.4 | 3712.8 | 3536.1  | 3399.4  |
| 27.5° | 2478.4 | 2494.9 | 2601.1 | 2826.6 | 3155.7 | 3550.0 | 3867.8 | 3879.1 | 3671.0  | 3492.6  |
| 30°   | 2379.2 | 2394.8 | 2508.0 | 2747.4 | 3070.4 | 3532.6 | 3983.5 | 4061.9 | 3808.6  | 3573.5  |
| 32.5° | 2270.3 | 2290.4 | 2409.6 | 2650.8 | 2969.4 | 3490.8 | 4084.5 | 4259.5 | 3967.9  | 3660.6  |
| 35°   | 2132.8 | 2151.1 | 2276.4 | 2518.4 | 2837.1 | 3423.8 | 4169.0 | 4478.9 | 4195.9  | 3792.9  |
| 37.5° | 1965.7 | 1983.1 | 2107.5 | 2353.0 | 2705.6 | 3329.8 | 4233.4 | 4726.1 | 4467.5  | 3983.5  |
| 40°   | 1797.6 | 1814.2 | 1930.8 | 2168.5 | 2548.0 | 3209.6 | 4256.0 | 4968.1 | 4779.2  | 4245.6  |
| 42.5° | 1643.6 | 1658.4 | 1765.4 | 1986.5 | 2371.3 | 3056.4 | 4226.4 | 5178.8 | 5058.6  | 4428.4  |
| 45°   | 1501.7 | 1514.7 | 1609.6 | 1815.9 | 2187.6 | 2870.1 | 4137.6 | 5405.1 | 5391.2  | 4559.0  |
| 47.5° | 1339.7 | 1352.8 | 1451.2 | 1650.5 | 2004.0 | 2651.6 | 3987.0 | 5628.0 | 5853.4  | 4854.9  |
| 50°   | 1142.1 | 1153.4 | 1254.4 | 1459.9 | 1813.3 | 2419.2 | 3778.1 | 5802.9 | 6436.7  | 5303.3  |
| 52.5° | 908.0  | 920.1  | 1018.5 | 1224.0 | 1587.0 | 2169.4 | 3503.0 | 5917.0 | 7110.5  | 5957.9  |
| 55°   | 675.5  | 684.2  | 769.5  | 954.1  | 1306.7 | 1884.7 | 3158.3 | 5949.2 | 7874.8  | 6852.8  |
| 57.5° | 490.1  | 495.3  | 550.2  | 687.7  | 990.7  | 1528.6 | 2739.6 | 5865.6 | 8784.5  | 8000.2  |
| 60°   | 397.0  | 398.7  | 415.2  | 476.2  | 688.6  | 1126.5 | 2233.8 | 5578.3 | 9771.7  | 9479.2  |
| 62.5° | 360.4  | 360.4  | 364.8  | 381.3  | 465.7  | 743.4  | 1621.8 | 4982.9 | 10830.2 | 11348.2 |
| 65°   | 335.2  | 335.2  | 336.9  | 344.7  | 367.4  | 473.6  | 1023.7 | 4013.1 | 11722.5 | 13537.6 |
| 67.5° | 312.5  | 313.4  | 312.5  | 315.1  | 328.2  | 350.0  | 593.7  | 2771.8 | 12203.1 | 15806.2 |
| 70°   | 289.0  | 290.8  | 286.4  | 286.4  | 296.8  | 297.7  | 371.7  | 1519.9 | 11804.4 | 17707.4 |
| 72.5° | 261.2  | 263.8  | 256.8  | 255.1  | 262.9  | 259.4  | 279.4  | 729.5  | 10134.7 | 18275.0 |
| 75°   | 236.8  | 240.3  | 224.6  | 220.2  | 220.2  | 217.6  | 227.2  | 374.3  | 6577.7  | 14907.8 |
| 77.5° | 215.0  | 222.0  | 196.7  | 182.8  | 179.3  | 171.5  | 185.4  | 228.9  | 2877.1  | 6999.0  |
| 80°   | 177.6  | 187.2  | 161.9  | 145.4  | 139.3  | 130.6  | 146.2  | 160.2  | 855.7   | 1625.3  |
| 82.5° | 132.3  | 136.7  | 114.9  | 103.6  | 98.4   | 92.3   | 109.7  | 111.4  | 278.6   | 575.4   |
| 85°   | 84.4   | 86.2   | 70.5   | 60.9   | 58.3   | 55.7   | 69.6   | 60.9   | 106.2   | 423.1   |
| 87.5° | 29.6   | 34.0   | 27.0   | 24.4   | 26.1   | 21.8   | 32.2   | 18.3   | 29.6    | 298.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |

(END C

90°

3060.8  
3062.5  
3082.5  
3103.4  
3111.3  
3118.2  
3135.6  
3173.9  
3232.3  
3294.9  
3371.6  
3463.0  
3530.9  
3606.6  
3732.8  
3903.4  
4160.3  
4318.7  
4411.0  
4684.3  
5089.1  
5694.1  
6522.9  
7584.9  
8956.0  
10647.4  
12651.4  
14849.5  
17455.8  
18936.6  
15945.5  
6853.7  
1556.5  
650.3  
614.6  
370.0  
0.0

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