

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: P945145

Luminaire Tested: **GLAN-SB1A-940-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P945145  
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-SB1A-940-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

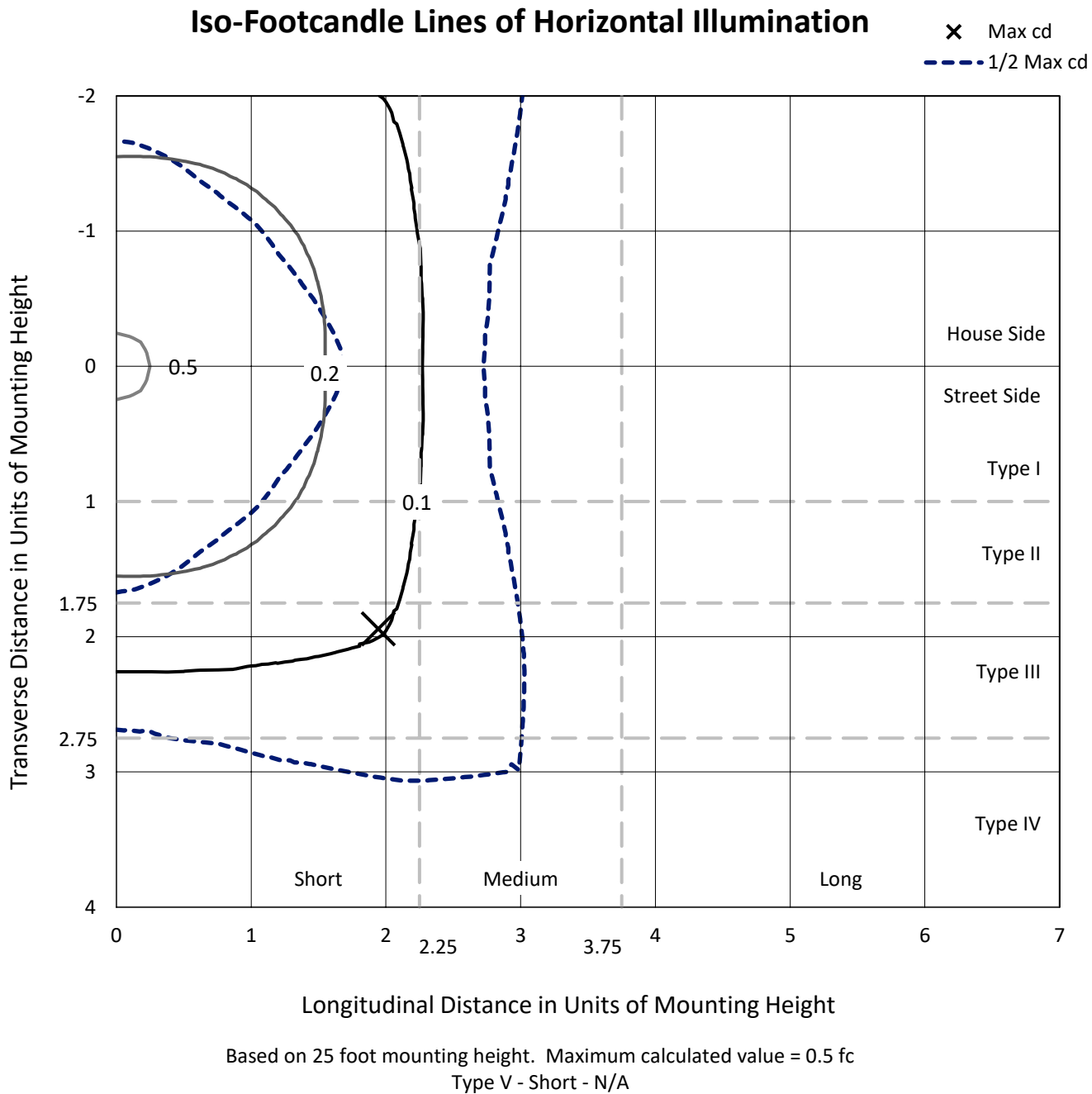
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3405 lumens  
Efficiency: N/A  
Efficacy: 110.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

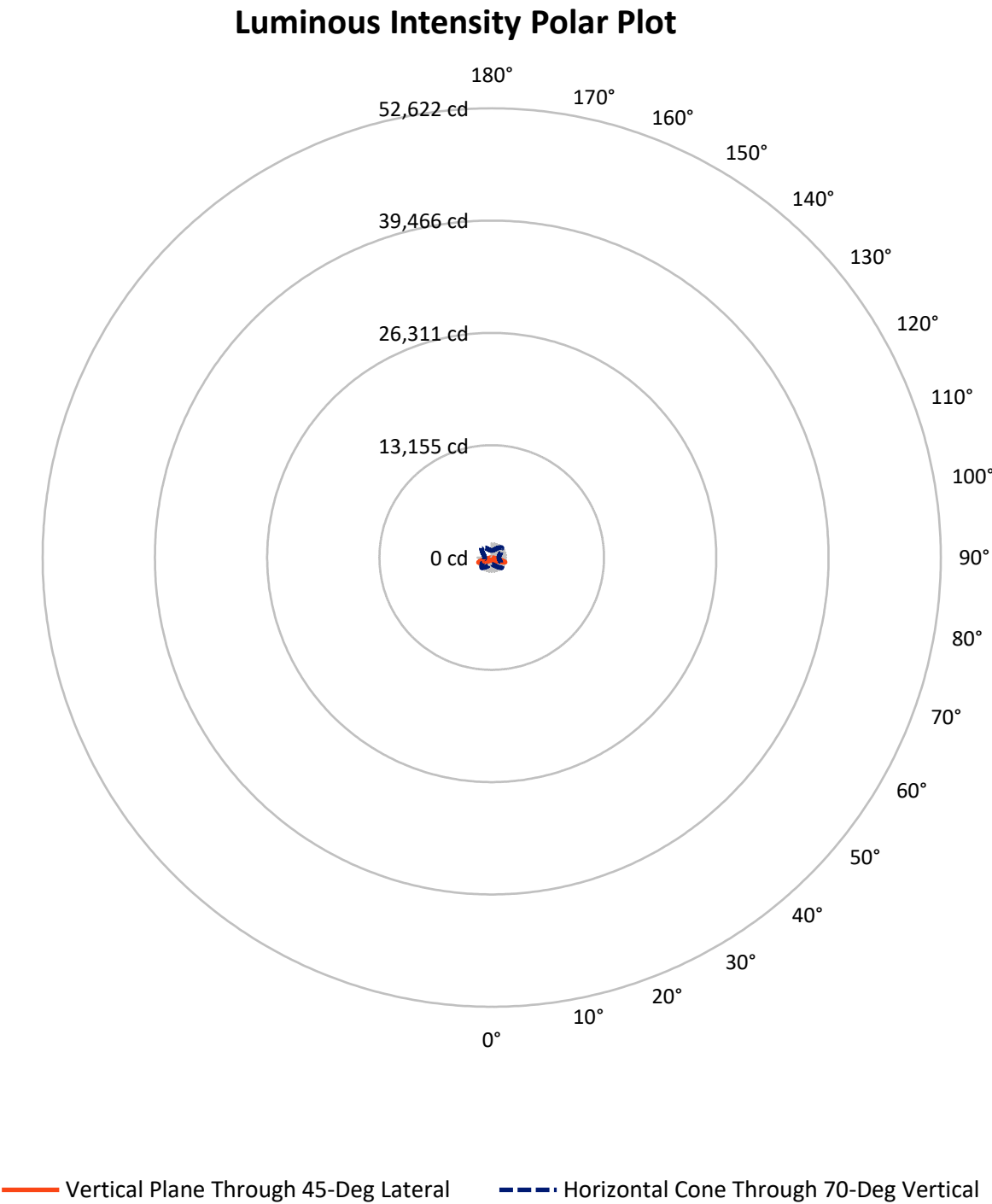
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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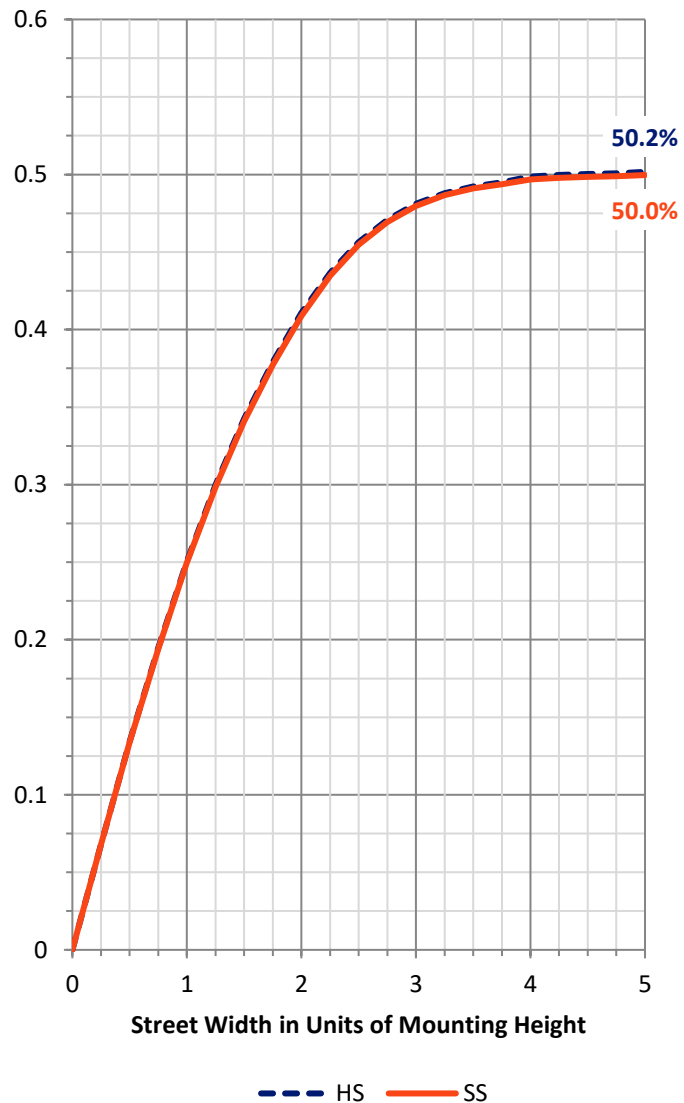
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1702.5   | 0.0    | 1702.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 1702.5   | 0.0    | 1702.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 3405.0   | 0.0    | 3405.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.7   | 0.9       |
| 10°-20°   | 98.3   | 2.9       |
| 20°-30°   | 175.6  | 5.2       |
| 30°-40°   | 284.6  | 8.4       |
| 40°-50°   | 463.6  | 13.6      |
| 50°-60°   | 706.9  | 20.8      |
| 60°-70°   | 1051.6 | 30.9      |
| 70°-80°   | 573.2  | 16.8      |
| 80°-90°   | 19.5   | 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°    | 3405.0 | 100.0     |
| 0°-180°   | 3405.0 | 100.0     |

**Coefficient of Utilization**



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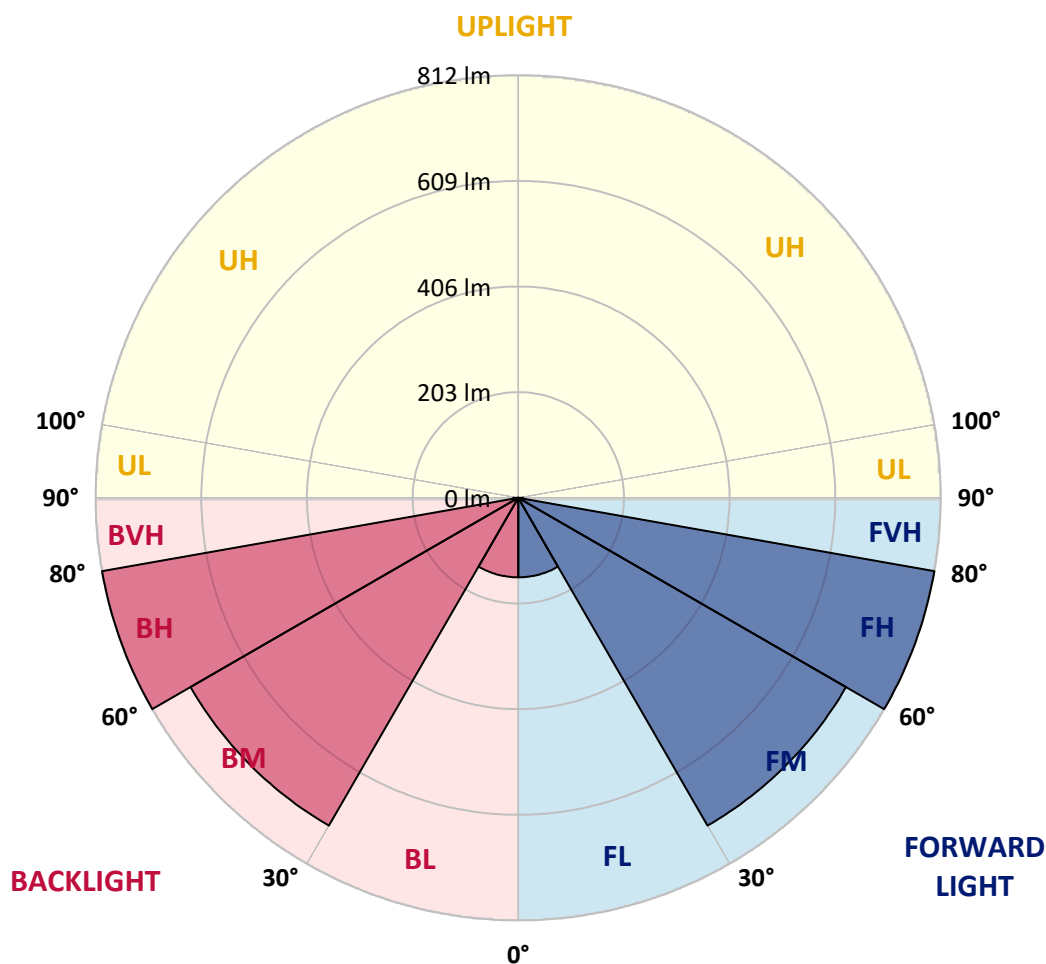
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 152.8  | 4.5       |                         |      |         |
| FM   | (30°-60°)   | 727.6  | 21.4      |                         |      |         |
| FH   | (60°-80°)   | 812.4  | 23.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 9.8    | 0.3       |                         |      | G0/10   |
| BL   | (0°-30°)    | 152.8  | 4.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 727.6  | 21.4      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 812.4  | 23.9      | B2/1000                 |      | G1/1800 |
| BVH  | (80°-90°)   | 9.8    | 0.3       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°   |
|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 326.2 | 326.2 | 326.2  | 326.2  | 326.2  | 326.2  | 326.2  | 326.2  | 326.2  | 326.2 |
| 2.5°  | 327.7 | 328.0 | 327.4  | 327.0  | 326.7  | 326.2  | 326.3  | 327.2  | 327.9  | 327.7 |
| 5°    | 330.4 | 330.8 | 330.3  | 330.1  | 329.4  | 329.2  | 329.2  | 330.1  | 330.6  | 330.3 |
| 7.5°  | 333.5 | 334.0 | 333.2  | 333.0  | 332.7  | 332.3  | 332.1  | 333.0  | 333.5  | 333.5 |
| 10°   | 336.4 | 336.9 | 336.2  | 335.7  | 335.4  | 335.4  | 335.1  | 335.7  | 336.6  | 336.4 |
| 12.5° | 339.5 | 339.8 | 339.2  | 338.8  | 338.8  | 339.3  | 338.8  | 339.2  | 339.8  | 339.5 |
| 15°   | 343.3 | 343.4 | 343.3  | 343.8  | 344.6  | 346.3  | 344.8  | 344.5  | 344.8  | 343.9 |
| 17.5° | 348.4 | 348.7 | 349.4  | 350.6  | 351.8  | 354.9  | 352.1  | 351.3  | 351.3  | 349.6 |
| 20°   | 354.7 | 355.2 | 356.3  | 358.3  | 359.8  | 362.7  | 360.0  | 358.8  | 358.3  | 356.1 |
| 22.5° | 361.4 | 362.2 | 363.8  | 366.5  | 369.2  | 372.0  | 369.2  | 367.2  | 365.7  | 362.7 |
| 25°   | 369.1 | 370.1 | 372.5  | 376.9  | 380.7  | 384.6  | 381.4  | 377.3  | 374.2  | 370.1 |
| 27.5° | 380.0 | 381.2 | 384.1  | 389.6  | 394.4  | 397.8  | 394.7  | 389.4  | 385.1  | 380.2 |
| 30°   | 395.4 | 396.6 | 400.0  | 405.8  | 409.1  | 411.3  | 409.2  | 405.1  | 400.0  | 394.4 |
| 32.5° | 415.2 | 416.8 | 420.5  | 426.0  | 426.7  | 427.0  | 426.3  | 424.3  | 420.5  | 413.7 |
| 35°   | 440.4 | 442.1 | 446.3  | 450.8  | 450.1  | 450.8  | 449.8  | 449.1  | 446.3  | 438.5 |
| 37.5° | 471.1 | 473.2 | 477.6  | 481.0  | 479.3  | 478.5  | 478.6  | 478.8  | 477.3  | 468.6 |
| 40°   | 506.9 | 509.6 | 512.8  | 516.4  | 513.5  | 511.0  | 512.7  | 514.0  | 512.7  | 503.8 |
| 42.5° | 543.6 | 547.5 | 551.0  | 556.1  | 553.7  | 550.4  | 552.8  | 554.4  | 551.5  | 541.9 |
| 45°   | 584.5 | 588.2 | 592.7  | 600.4  | 598.7  | 595.2  | 598.7  | 599.0  | 594.0  | 582.8 |
| 47.5° | 626.7 | 630.6 | 637.3  | 647.5  | 646.9  | 643.1  | 647.5  | 645.1  | 638.8  | 625.3 |
| 50°   | 666.7 | 672.2 | 682.4  | 696.8  | 698.1  | 693.5  | 699.5  | 694.9  | 684.3  | 667.4 |
| 52.5° | 704.3 | 710.1 | 726.3  | 745.8  | 750.8  | 744.8  | 752.8  | 744.8  | 728.9  | 707.2 |
| 55°   | 743.8 | 750.3 | 769.6  | 795.1  | 805.0  | 800.5  | 808.1  | 795.9  | 773.4  | 747.0 |
| 57.5° | 790.3 | 794.2 | 817.3  | 847.5  | 864.3  | 865.3  | 868.7  | 848.2  | 820.9  | 791.0 |
| 60°   | 840.7 | 846.2 | 871.3  | 907.5  | 934.0  | 942.6  | 939.0  | 908.6  | 876.8  | 842.4 |
| 62.5° | 905.3 | 911.3 | 941.4  | 984.8  | 1026.7 | 1047.9 | 1033.9 | 989.8  | 950.5  | 909.3 |
| 65°   | 958.8 | 965.5 | 1019.9 | 1097.3 | 1173.5 | 1216.1 | 1180.9 | 1099.7 | 1028.9 | 970.8 |
| 67.5° | 920.0 | 928.2 | 1013.5 | 1155.8 | 1345.3 | 1472.4 | 1351.8 | 1173.2 | 1034.6 | 955.8 |
| 70°   | 804.1 | 811.8 | 911.3  | 1085.2 | 1393.7 | 1672.0 | 1422.8 | 1117.1 | 914.6  | 826.3 |
| 72.5° | 533.9 | 558.6 | 659.3  | 867.9  | 1244.5 | 1547.2 | 1256.8 | 850.3  | 611.6  | 532.7 |
| 75°   | 177.1 | 196.9 | 265.6  | 449.9  | 833.5  | 1157.1 | 793.5  | 398.1  | 210.4  | 151.5 |
| 77.5° | 44.6  | 51.5  | 70.9   | 128.7  | 332.5  | 658.8  | 299.3  | 105.1  | 57.3   | 40.0  |
| 80°   | 21.7  | 23.9  | 34.2   | 42.9   | 83.3   | 209.4  | 78.1   | 40.3   | 27.0   | 20.9  |
| 82.5° | 12.0  | 12.1  | 19.3   | 24.3   | 30.9   | 54.2   | 32.1   | 23.6   | 15.6   | 12.6  |
| 85°   | 7.4   | 7.2   | 10.3   | 13.0   | 13.0   | 19.3   | 15.4   | 13.0   | 8.9    | 7.9   |
| 87.5° | 2.9   | 2.9   | 3.8    | 4.1    | 3.6    | 5.0    | 3.9    | 4.3    | 3.4    | 3.2   |
| 90°   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   |

(END C

| 90°   |
|-------|
| 326.2 |
| 327.9 |
| 330.4 |
| 333.5 |
| 336.4 |
| 339.3 |
| 343.9 |
| 349.6 |
| 356.1 |
| 362.6 |
| 369.9 |
| 380.0 |
| 394.4 |
| 413.9 |
| 438.5 |
| 468.6 |
| 503.8 |
| 542.6 |
| 583.9 |
| 624.5 |
| 667.0 |
| 705.1 |
| 743.4 |
| 786.9 |
| 836.9 |
| 902.1 |
| 961.2 |
| 944.0 |
| 814.6 |
| 515.4 |
| 143.3 |
| 35.7  |
| 19.1  |
| 12.6  |
| 8.2   |
| 3.4   |
| 0.0   |