

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: P845774

Luminaire Tested: **GLAN-SB1A-830-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845774
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-830-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

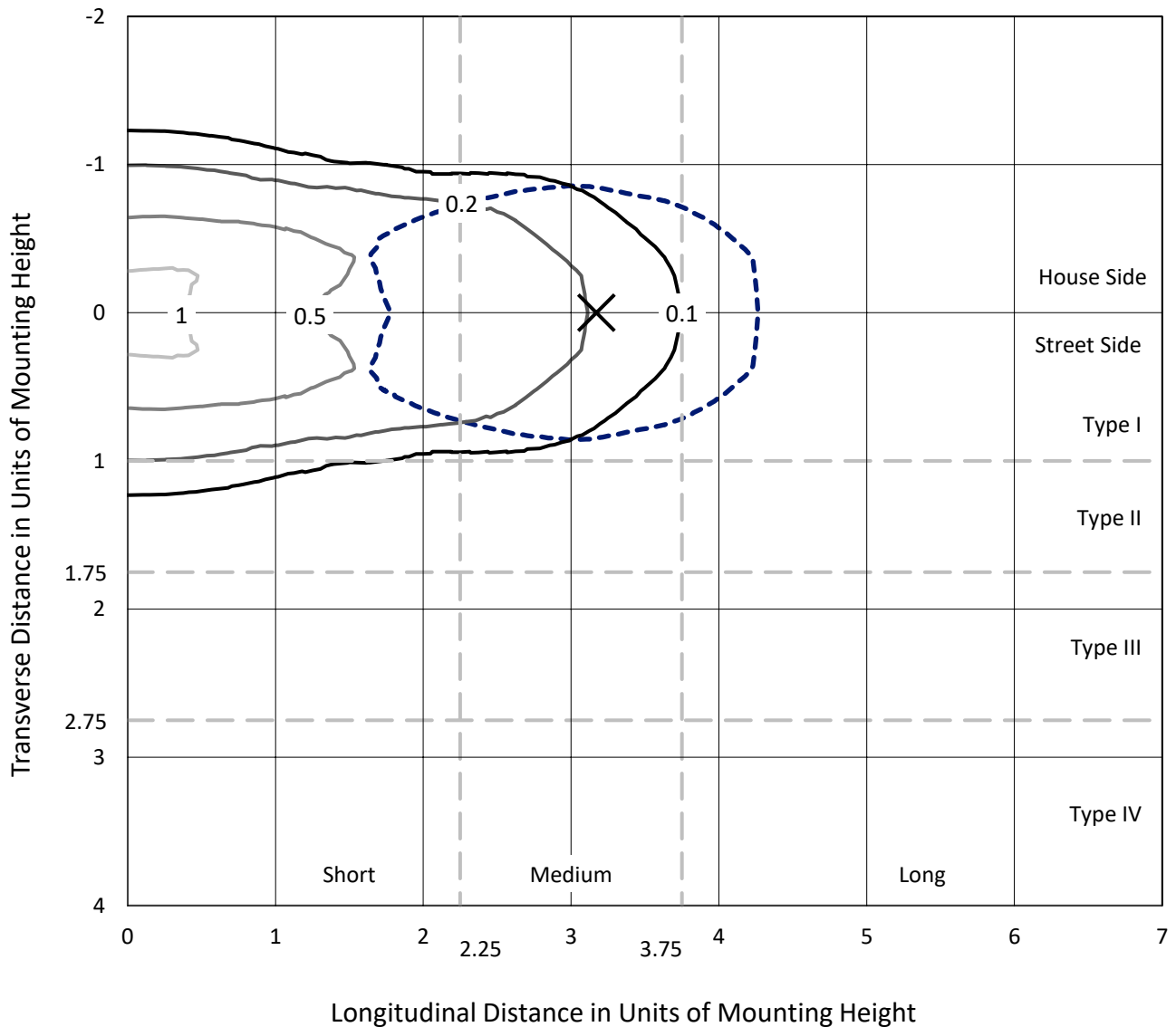
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

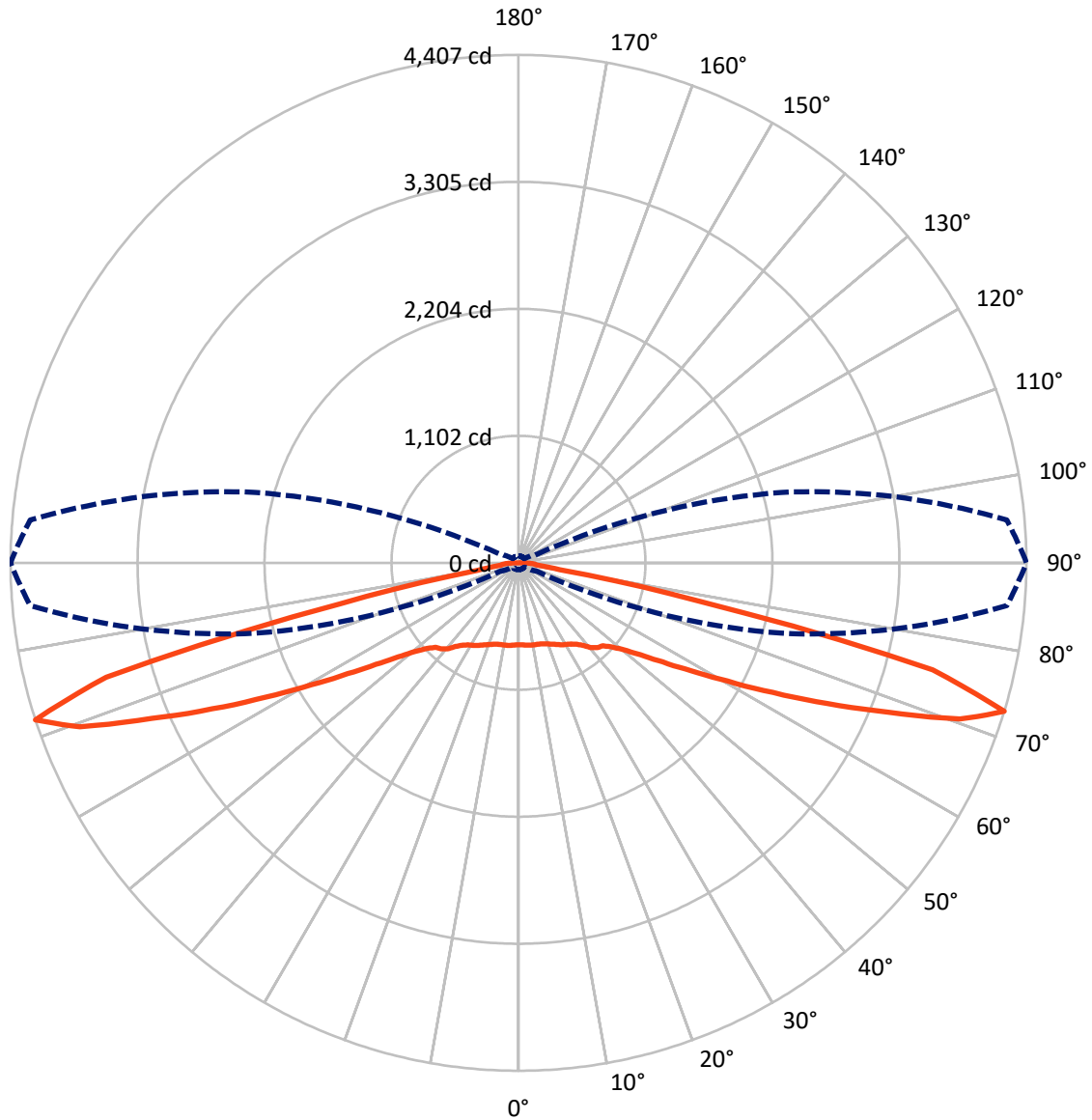
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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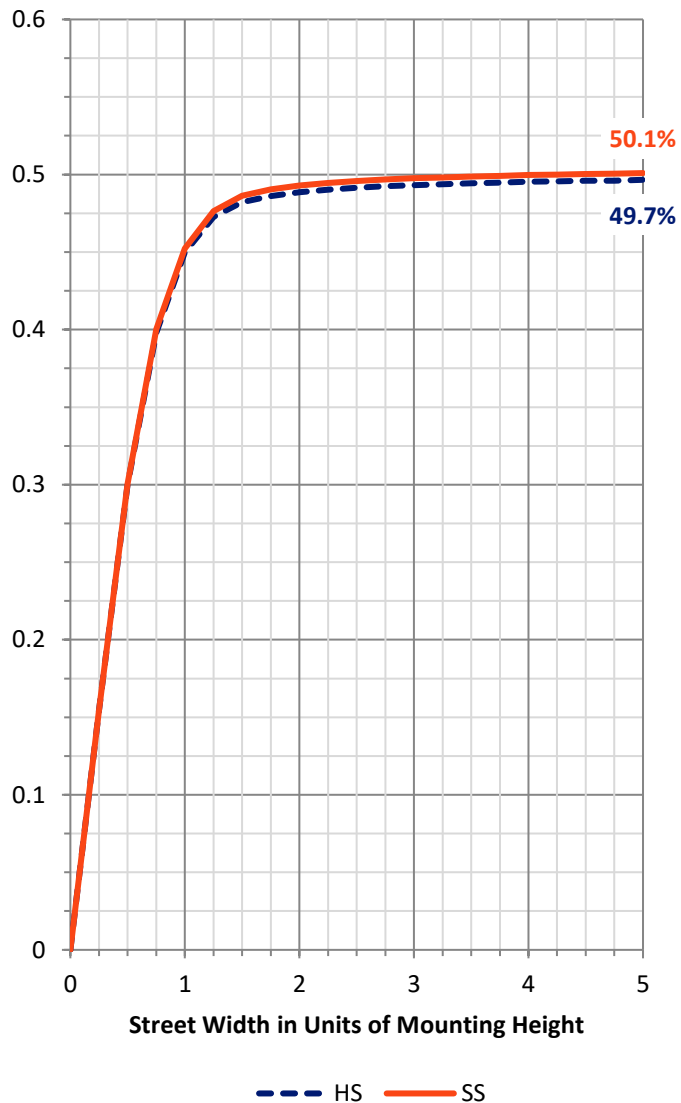
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1906.0 | 0.0 | 1906.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1906.0 | 0.0 | 1906.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3812.0 | 0.0 | 3812.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 69.1 | 1.8 |
| 10°-20° | 211.2 | 5.5 |
| 20°-30° | 352.1 | 9.2 |
| 30°-40° | 484.3 | 12.7 |
| 40°-50° | 591.4 | 15.5 |
| 50°-60° | 684.1 | 17.9 |
| 60°-70° | 815.6 | 21.4 |
| 70°-80° | 569.3 | 14.9 |
| 80°-90° | 35.0 | 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° | 3812.0 | 100.0 |
| 0°-180° | 3812.0 | 100.0 |

Coefficient of Utilization



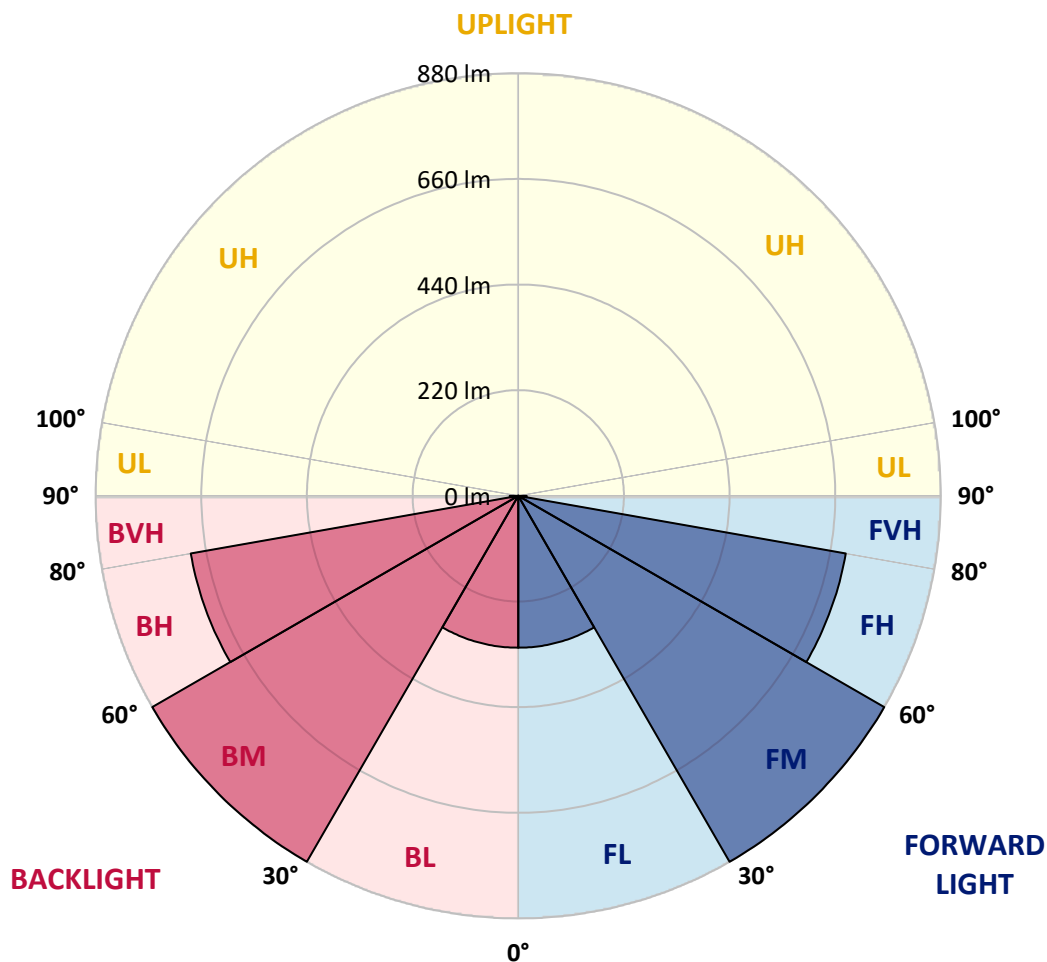
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 316.2 | 8.3 | | | |
| FM (30°-60°) | 879.9 | 23.1 | | | |
| FH (60°-80°) | 692.4 | 18.2 | | | G1/1800 |
| FVH (80°-90°) | 17.5 | 0.5 | | | G1/100 |
| BL (0°-30°) | 316.2 | 8.3 | B1/500 | | |
| BM (30°-60°) | 879.9 | 23.1 | B1/1000 | | |
| BH (60°-80°) | 692.4 | 18.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 17.5 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0° | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 | 712.3 |
| 2.5° | 712.9 | 713.7 | 713.7 | 713.1 | 714.5 | 713.3 | 713.3 | 712.7 | 713.3 | 712.7 |
| 5° | 716.6 | 717.6 | 718.0 | 717.8 | 719.6 | 718.6 | 718.6 | 717.8 | 718.0 | 717.4 |
| 7.5° | 723.5 | 724.9 | 725.7 | 726.7 | 729.3 | 728.1 | 727.3 | 724.9 | 723.9 | 722.2 |
| 10° | 725.7 | 727.3 | 729.9 | 735.2 | 741.3 | 741.5 | 739.1 | 733.0 | 728.3 | 724.7 |
| 12.5° | 718.8 | 721.0 | 726.5 | 737.2 | 750.8 | 756.3 | 752.4 | 742.3 | 733.2 | 726.7 |
| 15° | 710.1 | 712.5 | 720.8 | 737.0 | 757.1 | 769.8 | 769.4 | 756.1 | 741.5 | 731.4 |
| 17.5° | 696.5 | 698.9 | 710.9 | 733.6 | 761.9 | 783.0 | 788.7 | 774.9 | 754.5 | 740.9 |
| 20° | 672.0 | 674.2 | 690.8 | 722.6 | 763.6 | 797.0 | 811.8 | 799.6 | 774.1 | 755.7 |
| 22.5° | 640.2 | 643.6 | 663.1 | 703.8 | 759.7 | 811.6 | 838.1 | 829.8 | 797.0 | 771.5 |
| 25° | 606.2 | 609.8 | 632.5 | 680.7 | 749.8 | 822.1 | 869.3 | 864.1 | 822.9 | 791.1 |
| 27.5° | 576.8 | 580.6 | 605.3 | 657.8 | 734.4 | 826.2 | 900.1 | 902.7 | 854.3 | 812.8 |
| 30° | 553.7 | 557.3 | 583.7 | 639.4 | 714.5 | 822.1 | 927.1 | 945.3 | 886.3 | 831.6 |
| 32.5° | 528.4 | 533.0 | 560.8 | 616.9 | 691.0 | 812.4 | 950.6 | 991.3 | 923.4 | 851.9 |
| 35° | 496.3 | 500.6 | 529.8 | 586.1 | 660.2 | 796.8 | 970.2 | 1042.3 | 976.5 | 882.7 |
| 37.5° | 457.5 | 461.5 | 490.5 | 547.6 | 629.7 | 774.9 | 985.2 | 1099.9 | 1039.7 | 927.1 |
| 40° | 418.4 | 422.2 | 449.3 | 504.7 | 593.0 | 747.0 | 990.5 | 1156.2 | 1112.2 | 988.0 |
| 42.5° | 382.5 | 385.9 | 410.9 | 462.3 | 551.9 | 711.3 | 983.6 | 1205.2 | 1177.3 | 1030.6 |
| 45° | 349.5 | 352.5 | 374.6 | 422.6 | 509.1 | 667.9 | 962.9 | 1257.9 | 1254.7 | 1061.0 |
| 47.5° | 311.8 | 314.8 | 337.7 | 384.1 | 466.4 | 617.1 | 927.9 | 1309.8 | 1362.2 | 1129.9 |
| 50° | 265.8 | 268.4 | 291.9 | 339.7 | 422.0 | 563.0 | 879.2 | 1350.5 | 1498.0 | 1234.2 |
| 52.5° | 211.3 | 214.1 | 237.0 | 284.8 | 369.3 | 504.9 | 815.2 | 1377.0 | 1654.8 | 1386.5 |
| 55° | 157.2 | 159.2 | 179.1 | 222.0 | 304.1 | 438.6 | 735.0 | 1384.5 | 1832.6 | 1594.8 |
| 57.5° | 114.1 | 115.3 | 128.0 | 160.0 | 230.5 | 355.8 | 637.6 | 1365.1 | 2044.4 | 1861.8 |
| 60° | 92.4 | 92.8 | 96.6 | 110.8 | 160.3 | 262.2 | 519.9 | 1298.2 | 2274.1 | 2206.0 |
| 62.5° | 83.9 | 83.9 | 84.9 | 88.7 | 108.4 | 173.0 | 377.4 | 1159.6 | 2520.4 | 2641.0 |
| 65° | 78.0 | 78.0 | 78.4 | 80.2 | 85.5 | 110.2 | 238.2 | 933.9 | 2728.1 | 3150.5 |
| 67.5° | 72.7 | 72.9 | 72.7 | 73.3 | 76.4 | 81.4 | 138.2 | 645.1 | 2839.9 | 3678.5 |
| 70° | 67.3 | 67.7 | 66.7 | 66.7 | 69.1 | 69.3 | 86.5 | 353.7 | 2747.1 | 4120.9 |
| 72.5° | 60.8 | 61.4 | 59.8 | 59.4 | 61.2 | 60.4 | 65.0 | 169.8 | 2358.6 | 4253.0 |
| 75° | 55.1 | 55.9 | 52.3 | 51.3 | 51.3 | 50.6 | 52.9 | 87.1 | 1530.8 | 3469.4 |
| 77.5° | 50.0 | 51.7 | 45.8 | 42.5 | 41.7 | 39.9 | 43.2 | 53.3 | 669.6 | 1628.8 |
| 80° | 41.3 | 43.6 | 37.7 | 33.8 | 32.4 | 30.4 | 34.0 | 37.3 | 199.1 | 378.2 |
| 82.5° | 30.8 | 31.8 | 26.7 | 24.1 | 22.9 | 21.5 | 25.5 | 25.9 | 64.8 | 133.9 |
| 85° | 19.7 | 20.1 | 16.4 | 14.2 | 13.6 | 13.0 | 16.2 | 14.2 | 24.7 | 98.5 |
| 87.5° | 6.9 | 7.9 | 6.3 | 5.7 | 6.1 | 5.1 | 7.5 | 4.3 | 6.9 | 69.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

712.3
712.7
717.4
722.2
724.1
725.7
729.7
738.6
752.2
766.8
784.6
805.9
821.7
839.3
868.7
908.4
968.2
1005.1
1026.5
1090.1
1184.4
1325.2
1518.0
1765.2
2084.3
2477.9
2944.3
3455.8
4062.4
4407.0
3710.9
1595.0
362.2
151.3
143.0
86.1
0.0

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