

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: P847171

Luminaire Tested: **GLAN-SB3A-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8767 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

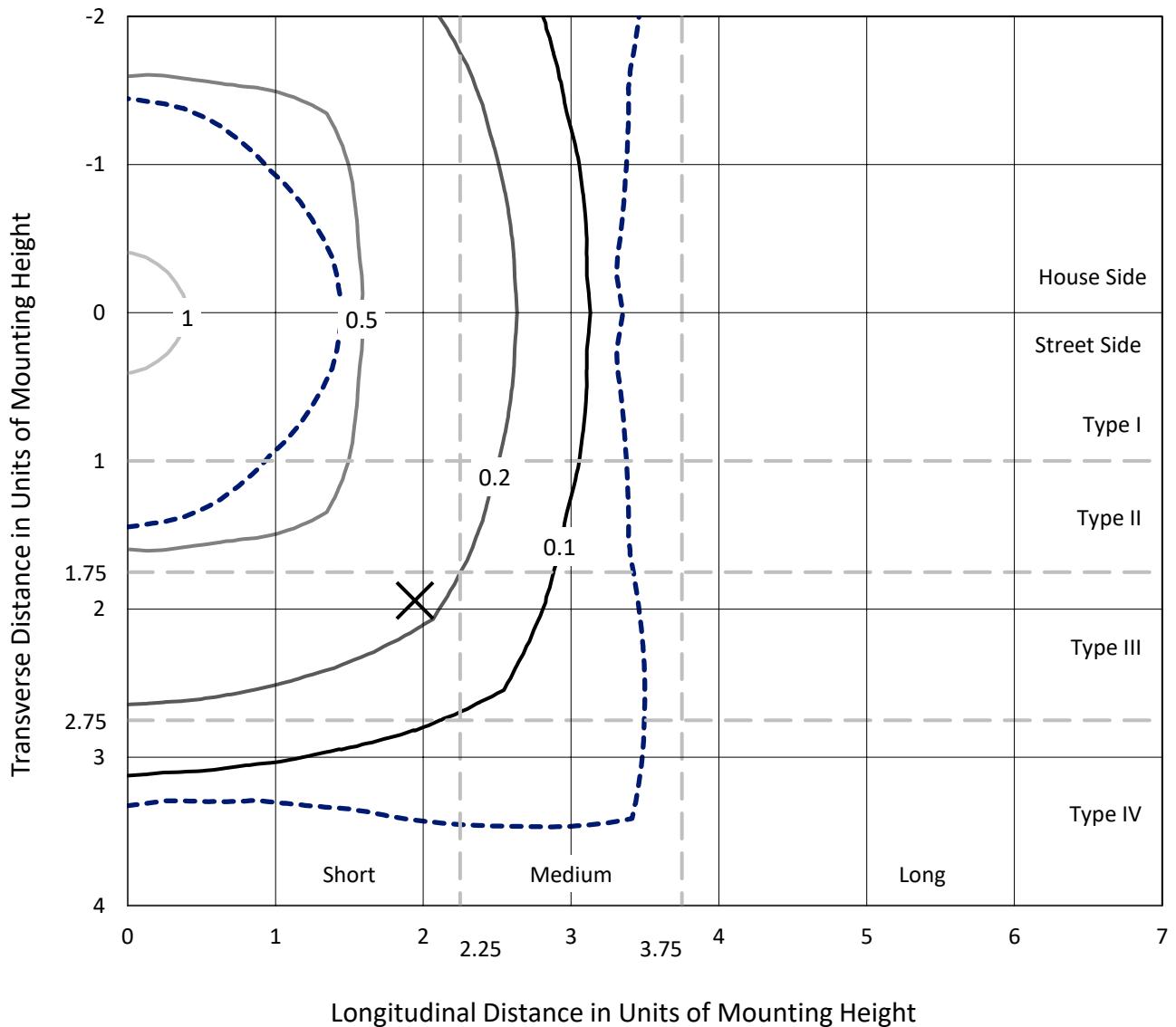
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

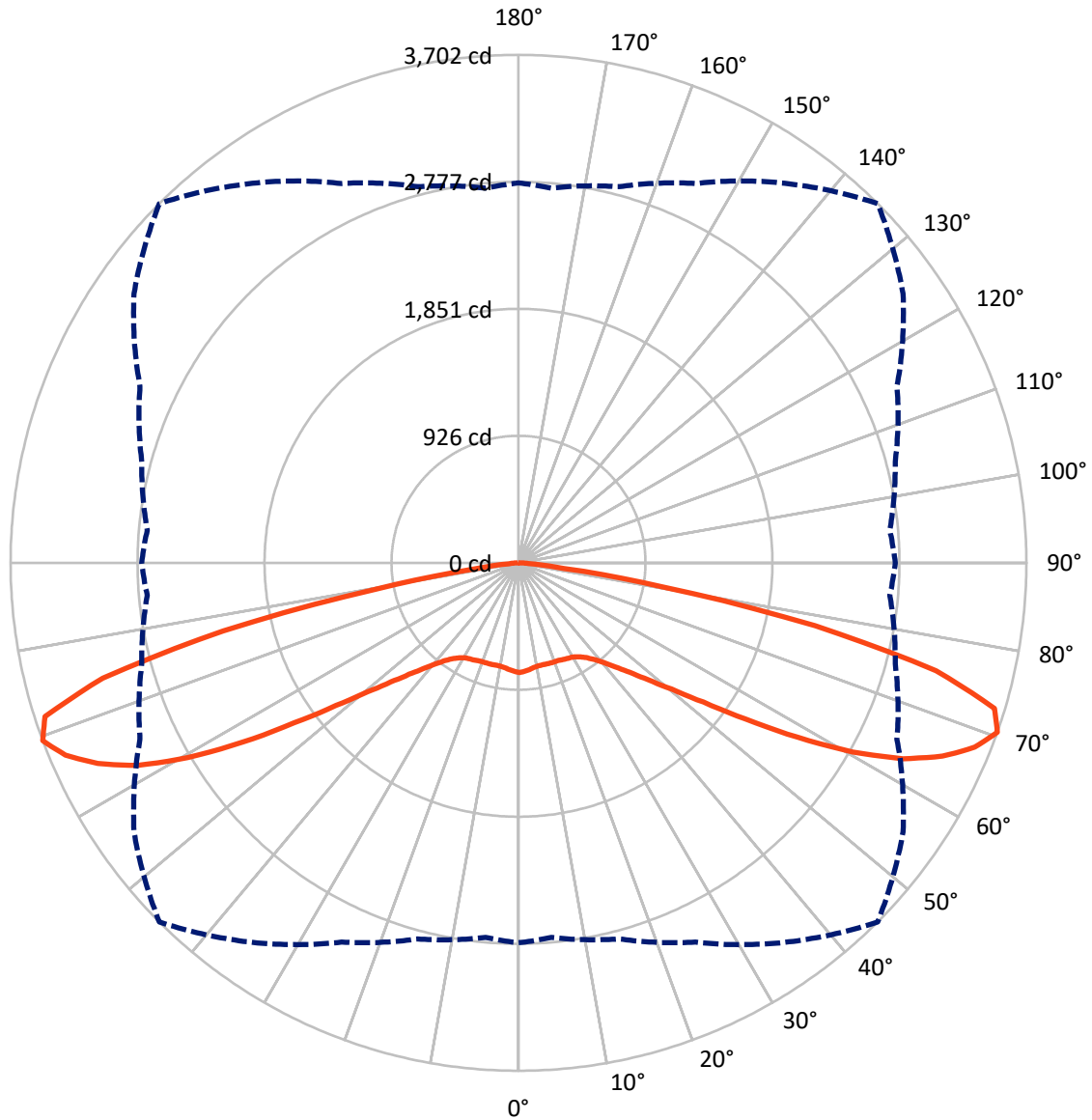
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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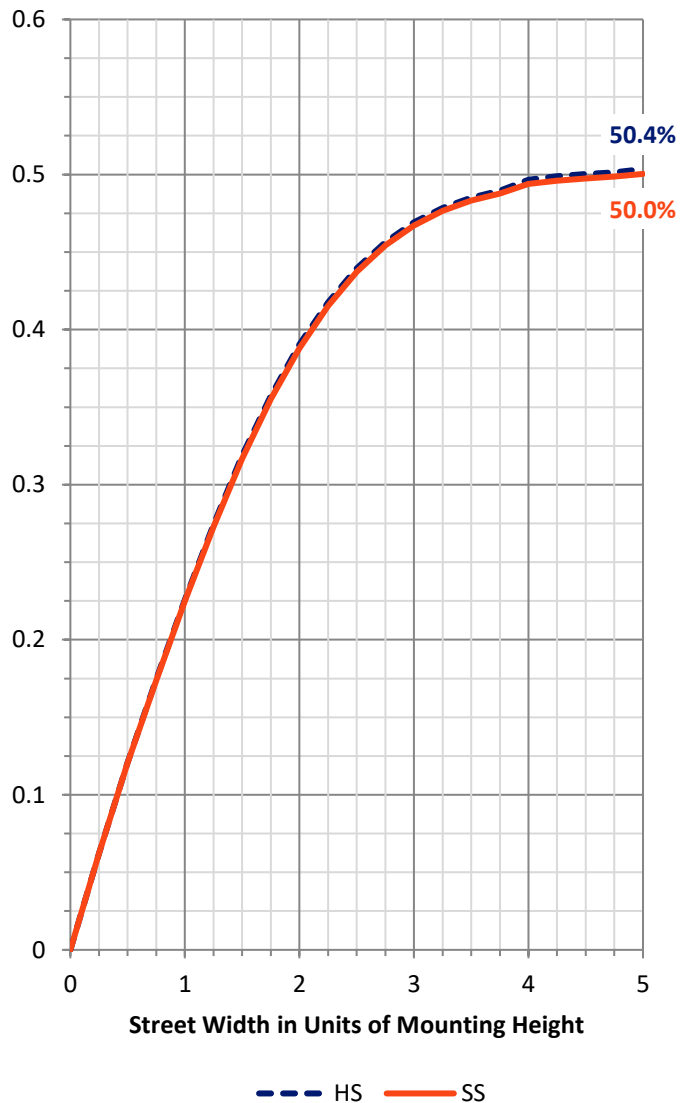
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4383.5 | 0.0 | 4383.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4383.5 | 0.0 | 4383.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8767.0 | 0.0 | 8767.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 74.4 | 0.8 |
| 10°-20° | 218.4 | 2.5 |
| 20°-30° | 363.5 | 4.1 |
| 30°-40° | 549.7 | 6.3 |
| 40°-50° | 913.5 | 10.4 |
| 50°-60° | 1723.8 | 19.7 |
| 60°-70° | 2910.7 | 33.2 |
| 70°-80° | 1912.6 | 21.8 |
| 80°-90° | 100.2 | 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° | 8767.0 | 100.0 |
| 0°-180° | 8767.0 | 100.0 |

Coefficient of Utilization



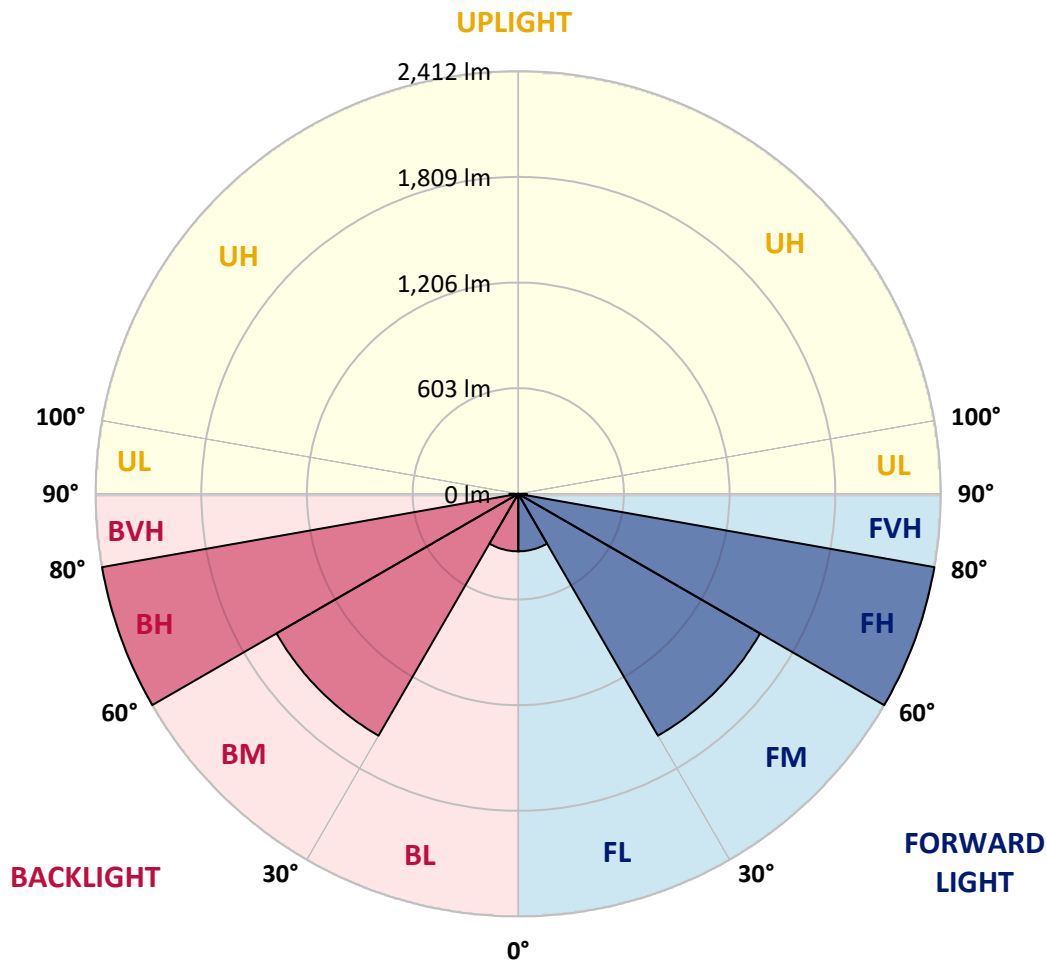
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 328.2 | 3.7 | | | |
| FM (30°-60°) | 1593.5 | 18.2 | | | |
| FH (60°-80°) | 2411.7 | 27.5 | | | G2/5000 |
| FVH (80°-90°) | 50.1 | 0.6 | | | G1/100 |
| BL (0°-30°) | 328.2 | 3.7 | B1/500 | | |
| BM (30°-60°) | 1593.5 | 18.2 | B2/2500 | | |
| BH (60°-80°) | 2411.7 | 27.5 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 50.1 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 | 799.7 |
| 2.5° | 794.7 | 797.0 | 796.1 | 794.3 | 794.3 | 792.9 | 794.3 | 795.2 | 796.5 | 797.4 |
| 5° | 784.2 | 786.1 | 785.6 | 784.2 | 784.7 | 783.3 | 784.2 | 785.6 | 786.5 | 787.0 |
| 7.5° | 775.1 | 776.9 | 776.0 | 773.8 | 773.8 | 772.4 | 772.8 | 774.2 | 775.6 | 776.0 |
| 10° | 772.8 | 774.7 | 771.9 | 768.3 | 766.9 | 765.1 | 765.6 | 766.9 | 769.7 | 771.0 |
| 12.5° | 773.8 | 775.1 | 772.4 | 766.9 | 765.6 | 763.7 | 763.7 | 765.1 | 768.7 | 770.6 |
| 15° | 776.5 | 777.9 | 773.8 | 767.8 | 766.5 | 765.1 | 764.6 | 766.5 | 770.6 | 773.8 |
| 17.5° | 781.5 | 782.9 | 776.5 | 768.3 | 766.5 | 766.9 | 766.5 | 767.8 | 774.2 | 780.1 |
| 20° | 786.1 | 787.0 | 778.3 | 768.3 | 766.5 | 766.9 | 766.5 | 769.2 | 777.4 | 785.6 |
| 22.5° | 787.4 | 788.3 | 780.1 | 771.5 | 770.1 | 770.6 | 770.1 | 772.8 | 780.6 | 788.8 |
| 25° | 787.9 | 789.2 | 782.9 | 776.0 | 778.3 | 779.2 | 778.3 | 778.8 | 784.7 | 792.0 |
| 27.5° | 794.7 | 796.5 | 790.6 | 784.7 | 786.1 | 785.6 | 787.0 | 788.3 | 792.9 | 800.2 |
| 30° | 808.8 | 810.2 | 805.2 | 799.3 | 798.4 | 795.2 | 799.3 | 803.8 | 808.8 | 815.2 |
| 32.5° | 832.1 | 834.8 | 828.4 | 822.1 | 818.0 | 816.1 | 819.3 | 827.1 | 833.9 | 840.7 |
| 35° | 870.8 | 872.6 | 866.7 | 854.9 | 847.6 | 847.6 | 850.3 | 860.3 | 871.3 | 879.9 |
| 37.5° | 925.5 | 927.8 | 917.3 | 903.2 | 892.2 | 892.2 | 895.9 | 906.4 | 922.8 | 935.1 |
| 40° | 992.0 | 995.2 | 982.0 | 967.4 | 956.9 | 955.1 | 959.7 | 971.5 | 987.0 | 1002.5 |
| 42.5° | 1072.2 | 1075.9 | 1058.6 | 1045.8 | 1037.6 | 1037.6 | 1039.9 | 1050.8 | 1064.9 | 1084.1 |
| 45° | 1174.8 | 1181.1 | 1157.4 | 1144.7 | 1136.9 | 1138.8 | 1140.1 | 1149.7 | 1162.5 | 1184.3 |
| 47.5° | 1296.9 | 1303.3 | 1278.2 | 1265.0 | 1263.6 | 1272.3 | 1266.8 | 1273.6 | 1280.5 | 1305.5 |
| 50° | 1435.4 | 1446.3 | 1429.0 | 1428.1 | 1430.9 | 1446.8 | 1434.0 | 1437.7 | 1429.9 | 1445.9 |
| 52.5° | 1604.9 | 1620.9 | 1617.7 | 1623.1 | 1653.7 | 1686.5 | 1657.3 | 1644.6 | 1615.4 | 1620.4 |
| 55° | 1810.4 | 1834.6 | 1839.1 | 1872.0 | 1941.2 | 2008.2 | 1946.2 | 1894.7 | 1832.8 | 1821.4 |
| 57.5° | 2044.2 | 2063.3 | 2085.2 | 2152.2 | 2281.6 | 2400.5 | 2281.6 | 2167.7 | 2070.2 | 2046.9 |
| 60° | 2295.7 | 2319.4 | 2340.4 | 2439.3 | 2631.6 | 2798.8 | 2627.9 | 2447.0 | 2318.1 | 2286.6 |
| 62.5° | 2566.0 | 2596.5 | 2611.1 | 2720.9 | 2945.1 | 3144.7 | 2948.3 | 2729.1 | 2586.0 | 2552.3 |
| 65° | 2825.2 | 2850.3 | 2866.7 | 2983.8 | 3198.0 | 3398.0 | 3212.6 | 2996.6 | 2849.4 | 2805.2 |
| 67.5° | 2946.0 | 2959.7 | 2999.8 | 3132.4 | 3358.4 | 3586.7 | 3396.7 | 3146.5 | 2982.0 | 2904.5 |
| 70° | 2769.2 | 2741.4 | 2838.0 | 3050.4 | 3377.5 | 3702.4 | 3421.3 | 3044.0 | 2842.6 | 2716.8 |
| 72.5° | 2139.9 | 2092.0 | 2259.7 | 2622.9 | 3158.8 | 3628.6 | 3180.7 | 2643.4 | 2364.1 | 2108.9 |
| 75° | 1164.3 | 1110.0 | 1341.5 | 1800.9 | 2519.0 | 3145.1 | 2576.9 | 1852.4 | 1493.7 | 1155.6 |
| 77.5° | 328.5 | 308.0 | 494.9 | 871.3 | 1515.2 | 2208.2 | 1573.5 | 890.4 | 586.9 | 348.1 |
| 80° | 100.7 | 97.5 | 132.1 | 262.5 | 643.4 | 1057.6 | 618.4 | 265.7 | 168.1 | 106.2 |
| 82.5° | 59.7 | 54.7 | 65.6 | 95.7 | 164.0 | 332.2 | 159.5 | 99.8 | 80.2 | 53.8 |
| 85° | 34.2 | 31.9 | 38.7 | 46.5 | 55.1 | 70.6 | 46.0 | 47.4 | 42.8 | 28.7 |
| 87.5° | 14.1 | 12.8 | 15.0 | 14.6 | 12.8 | 16.4 | 12.3 | 14.6 | 17.3 | 11.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 799.7 |
| 797.0 |
| 787.0 |
| 776.0 |
| 771.0 |
| 771.0 |
| 774.2 |
| 780.1 |
| 786.1 |
| 788.8 |
| 791.5 |
| 798.4 |
| 813.9 |
| 838.0 |
| 876.7 |
| 930.5 |
| 997.5 |
| 1082.7 |
| 1183.4 |
| 1298.2 |
| 1436.3 |
| 1603.6 |
| 1803.6 |
| 2030.5 |
| 2259.3 |
| 2524.9 |
| 2783.3 |
| 2905.4 |
| 2746.9 |
| 2172.2 |
| 1230.8 |
| 386.9 |
| 112.1 |
| 58.3 |
| 30.1 |
| 10.5 |
| 0.0 |

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