

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: P953231

Luminaire Tested: **GLAN-SB6D-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59977 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

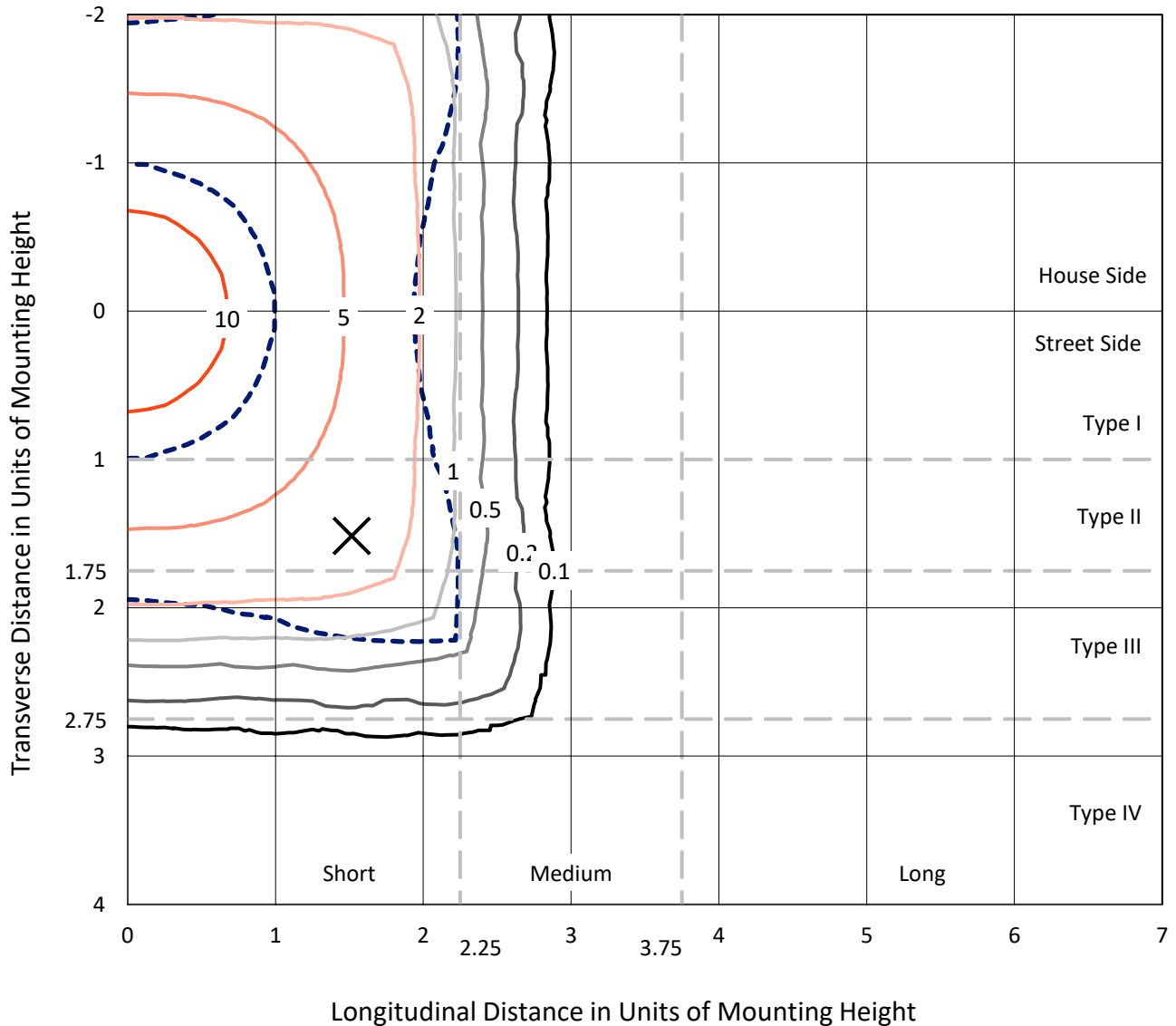
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

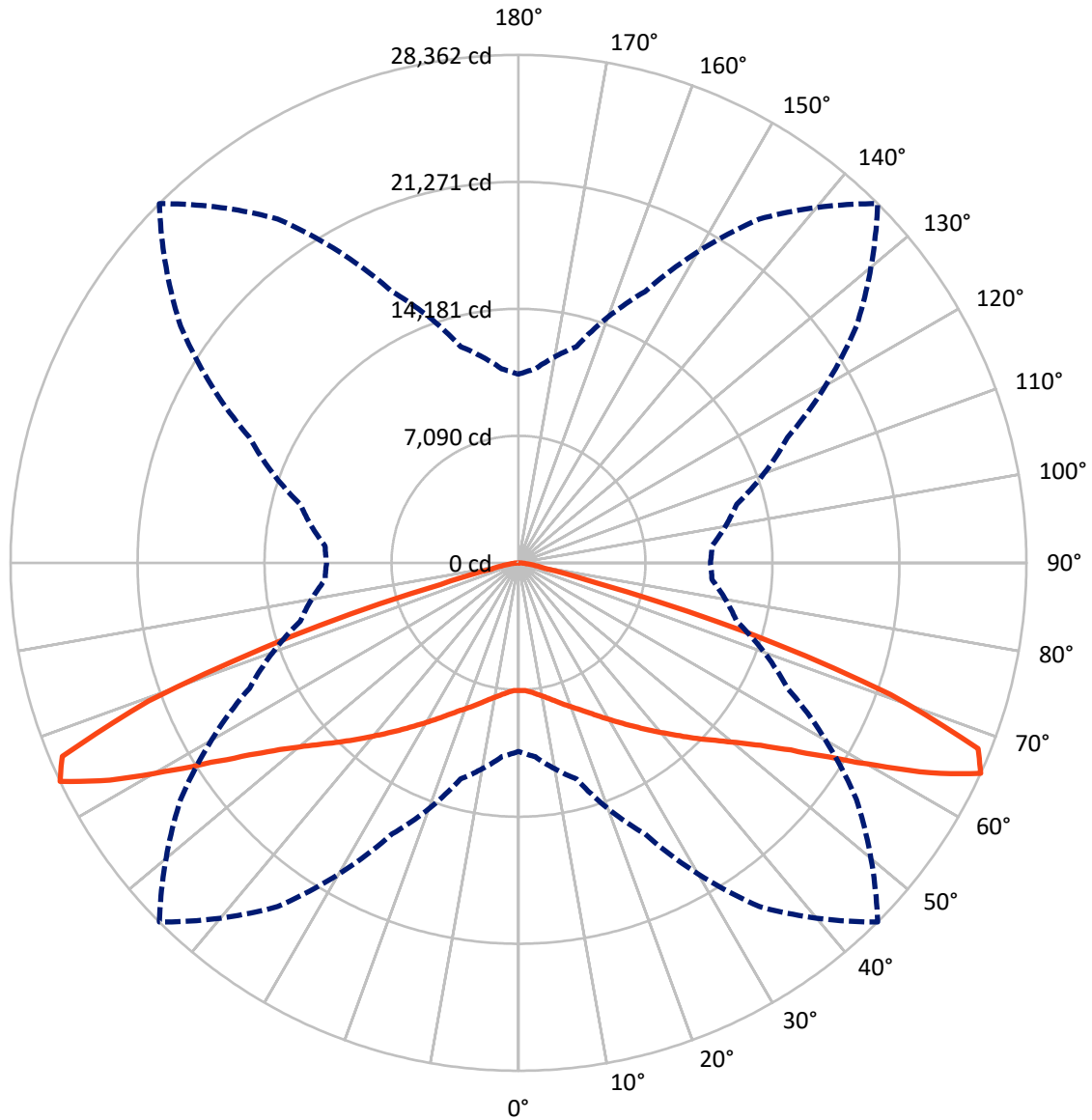
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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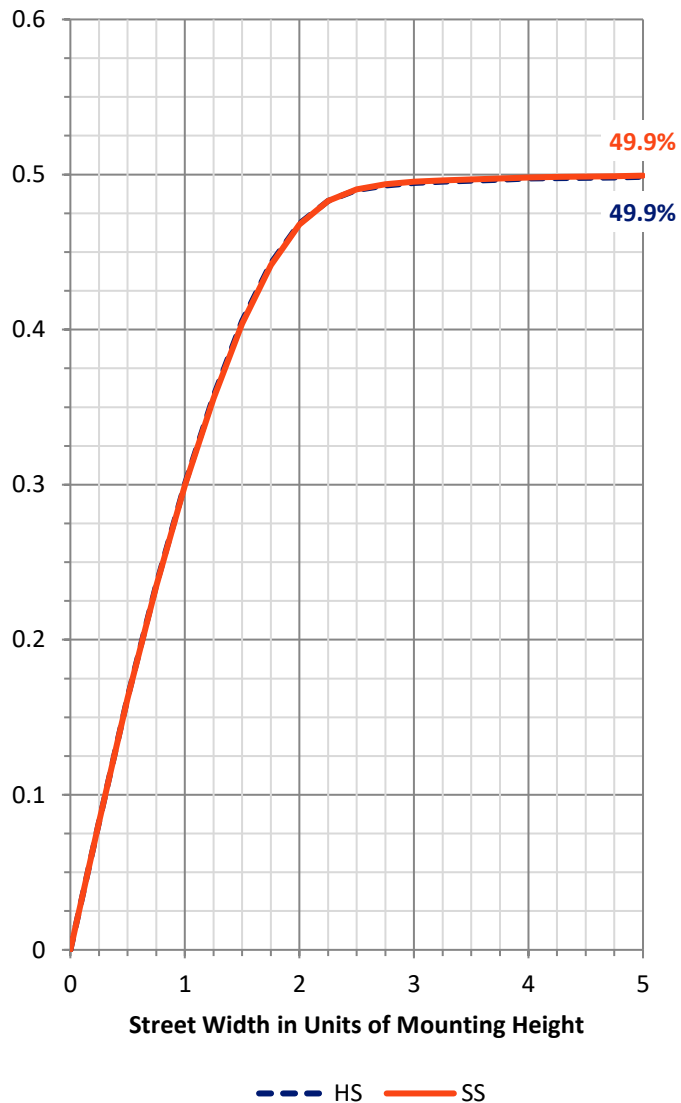
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 29988.5 | 0.0 | 29988.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 29988.5 | 0.0 | 29988.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 59977.0 | 0.0 | 59977.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 704.4 | 1.2 |
| 10°-20° | 2298.6 | 3.8 |
| 20°-30° | 4340.1 | 7.2 |
| 30°-40° | 7106.7 | 11.8 |
| 40°-50° | 11019.1 | 18.4 |
| 50°-60° | 16277.5 | 27.1 |
| 60°-70° | 15494.6 | 25.8 |
| 70°-80° | 2500.3 | 4.2 |
| 80°-90° | 235.7 | 0.4 |
| 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° | 59977.0 | 100.0 |
| 0°-180° | 59977.0 | 100.0 |

Coefficient of Utilization



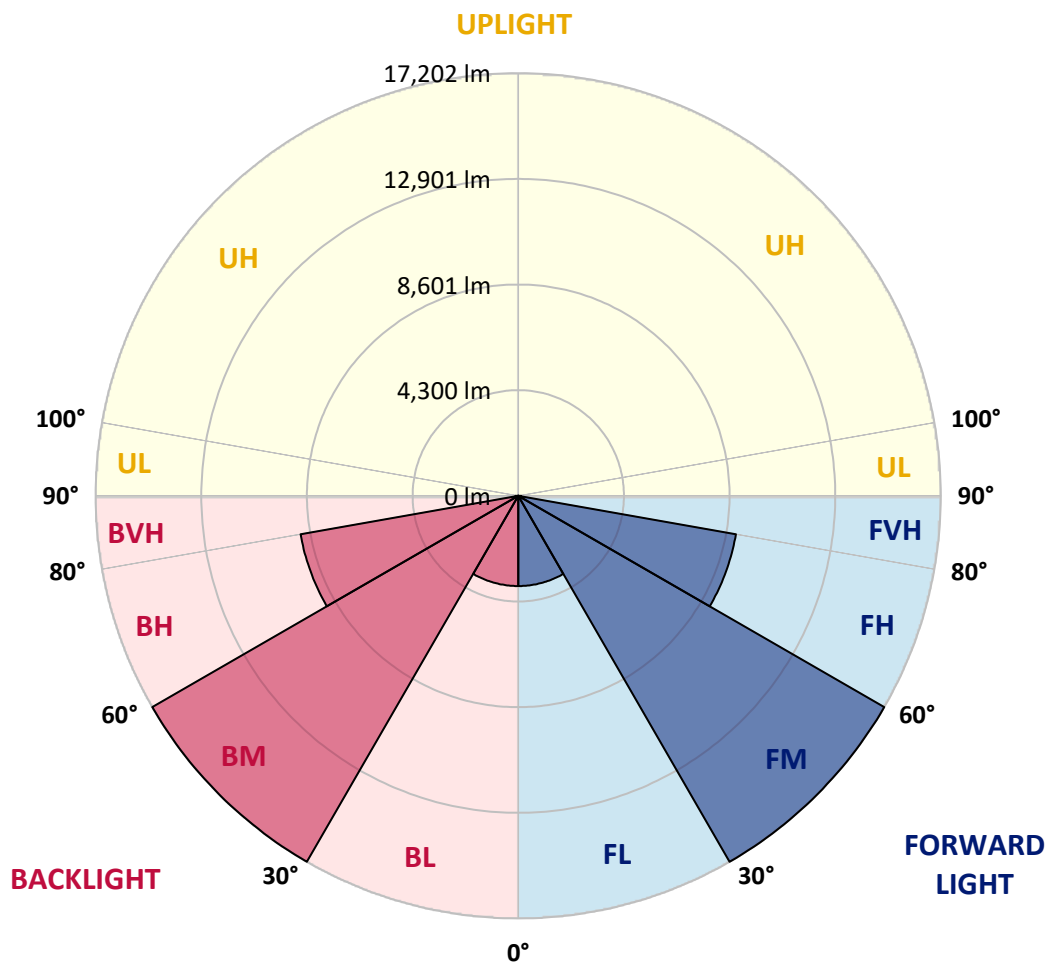
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 3671.6 | 6.1 | | | |
| FM (30°-60°) | 17201.6 | 28.7 | | | |
| FH (60°-80°) | 8997.4 | 15.0 | | | G4/12000 |
| FVH (80°-90°) | 117.8 | 0.2 | | | G2/225 |
| BL (0°-30°) | 3671.6 | 6.1 | B4/5000 | | |
| BM (30°-60°) | 17201.6 | 28.7 | B5 | | |
| BH (60°-80°) | 8997.4 | 15.0 | B5 | | G4/12000 |
| BVH (80°-90°) | 117.8 | 0.2 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 | 7137.9 |
| 2.5° | 7186.0 | 7161.9 | 7180.0 | 7164.9 | 7152.9 | 7140.9 | 7146.9 | 7168.0 | 7177.0 | 7180.0 |
| 5° | 7282.3 | 7261.2 | 7270.3 | 7270.3 | 7249.2 | 7243.2 | 7246.2 | 7261.2 | 7279.3 | 7279.3 |
| 7.5° | 7438.8 | 7417.7 | 7438.8 | 7426.7 | 7408.7 | 7402.7 | 7399.7 | 7411.7 | 7438.8 | 7438.8 |
| 10° | 7628.4 | 7604.3 | 7616.3 | 7610.3 | 7589.2 | 7580.2 | 7577.2 | 7595.3 | 7619.3 | 7616.3 |
| 12.5° | 7836.0 | 7808.9 | 7824.0 | 7805.9 | 7799.9 | 7790.9 | 7790.9 | 7787.9 | 7802.9 | 7790.9 |
| 15° | 8067.7 | 8049.7 | 8055.7 | 8043.6 | 8052.7 | 8046.6 | 8022.6 | 8010.5 | 8016.6 | 7998.5 |
| 17.5° | 8341.5 | 8299.4 | 8320.5 | 8314.5 | 8314.5 | 8326.5 | 8287.4 | 8272.3 | 8284.4 | 8266.3 |
| 20° | 8657.5 | 8615.4 | 8624.4 | 8612.4 | 8597.3 | 8609.4 | 8561.2 | 8573.3 | 8582.3 | 8570.3 |
| 22.5° | 9003.6 | 8949.4 | 8946.4 | 8952.4 | 8919.3 | 8922.3 | 8889.2 | 8919.3 | 8937.4 | 8904.3 |
| 25° | 9358.7 | 9301.5 | 9340.6 | 9325.6 | 9283.4 | 9292.5 | 9268.4 | 9298.5 | 9313.5 | 9271.4 |
| 27.5° | 9734.8 | 9695.7 | 9731.8 | 9740.8 | 9689.7 | 9725.8 | 9689.7 | 9716.8 | 9731.8 | 9668.6 |
| 30° | 10174.2 | 10135.0 | 10168.1 | 10192.2 | 10132.0 | 10189.2 | 10159.1 | 10177.2 | 10180.2 | 10105.0 |
| 32.5° | 10652.6 | 10592.4 | 10676.7 | 10688.7 | 10622.5 | 10691.7 | 10652.6 | 10676.7 | 10691.7 | 10589.4 |
| 35° | 11236.4 | 11161.2 | 11257.5 | 11242.4 | 11185.3 | 11242.4 | 11206.3 | 11242.4 | 11278.5 | 11155.2 |
| 37.5° | 11865.3 | 11787.1 | 11889.4 | 11862.3 | 11808.2 | 11847.3 | 11826.2 | 11850.3 | 11907.5 | 11775.1 |
| 40° | 12557.5 | 12461.2 | 12599.6 | 12551.4 | 12500.3 | 12494.3 | 12506.3 | 12521.4 | 12596.6 | 12449.1 |
| 42.5° | 13297.7 | 13195.4 | 13403.1 | 13327.8 | 13255.6 | 13207.5 | 13246.6 | 13276.7 | 13348.9 | 13183.4 |
| 45° | 14143.3 | 14026.0 | 14296.8 | 14206.5 | 14092.2 | 13992.9 | 14056.1 | 14101.2 | 14206.5 | 14007.9 |
| 47.5° | 15076.2 | 14943.8 | 15232.7 | 15205.6 | 15019.0 | 14802.3 | 14946.8 | 15076.2 | 15154.4 | 14913.7 |
| 50° | 15988.0 | 15885.7 | 16264.8 | 16297.9 | 16069.2 | 15765.3 | 15966.9 | 16162.5 | 16183.6 | 15867.6 |
| 52.5° | 16842.6 | 16740.3 | 17291.0 | 17498.6 | 17294.0 | 16932.9 | 17146.5 | 17345.1 | 17185.6 | 16776.4 |
| 55° | 17525.7 | 17441.4 | 18142.6 | 18678.2 | 18747.4 | 18449.5 | 18575.9 | 18569.9 | 18046.3 | 17417.3 |
| 57.5° | 17691.2 | 17679.2 | 18563.9 | 19698.3 | 20420.5 | 20456.7 | 20206.9 | 19568.9 | 18440.5 | 17594.9 |
| 60° | 16938.9 | 17014.1 | 18229.8 | 20231.0 | 22156.9 | 22957.3 | 21877.0 | 20056.4 | 17992.1 | 16818.5 |
| 62.5° | 14688.0 | 14886.6 | 16352.1 | 19581.0 | 23559.2 | 25834.1 | 23216.1 | 19316.2 | 16150.5 | 14618.8 |
| 65° | 10526.2 | 10872.3 | 12491.3 | 16710.2 | 23432.8 | 28361.9 | 23023.5 | 16574.8 | 12611.6 | 10845.2 |
| 67.5° | 4775.6 | 5127.7 | 6502.9 | 11441.0 | 20369.4 | 27675.8 | 20321.2 | 11561.4 | 6827.9 | 5145.8 |
| 70° | 1730.3 | 1790.5 | 2232.8 | 4580.0 | 13017.9 | 22051.5 | 13574.6 | 4613.1 | 2374.3 | 1907.8 |
| 72.5° | 1047.2 | 1056.2 | 1149.5 | 1640.0 | 4522.9 | 13388.0 | 4715.4 | 1694.2 | 1173.6 | 1041.2 |
| 75° | 665.0 | 659.0 | 818.5 | 1002.1 | 1603.9 | 4516.8 | 1682.2 | 1002.1 | 815.5 | 743.3 |
| 77.5° | 478.5 | 493.5 | 586.8 | 749.3 | 1011.1 | 1531.7 | 993.0 | 716.2 | 586.8 | 481.5 |
| 80° | 358.1 | 367.1 | 427.3 | 583.8 | 710.2 | 953.9 | 631.9 | 529.6 | 442.4 | 300.9 |
| 82.5° | 258.8 | 258.8 | 279.9 | 424.3 | 433.3 | 514.6 | 343.1 | 373.1 | 291.9 | 213.7 |
| 85° | 153.5 | 150.5 | 174.5 | 252.8 | 225.7 | 189.6 | 156.5 | 228.7 | 183.6 | 132.4 |
| 87.5° | 54.2 | 57.2 | 54.2 | 72.2 | 60.2 | 51.2 | 48.1 | 63.2 | 51.2 | 45.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 7137.9 |
| 7180.0 |
| 7279.3 |
| 7429.8 |
| 7610.3 |
| 7796.9 |
| 8001.5 |
| 8281.4 |
| 8597.3 |
| 8937.4 |
| 9319.5 |
| 9716.8 |
| 10150.1 |
| 10658.6 |
| 11230.4 |
| 11856.3 |
| 12497.3 |
| 13270.6 |
| 14110.2 |
| 14994.9 |
| 15906.7 |
| 16788.4 |
| 17438.4 |
| 17540.7 |
| 16680.1 |
| 14528.5 |
| 10715.8 |
| 5070.5 |
| 1883.8 |
| 1059.2 |
| 749.3 |
| 490.5 |
| 309.9 |
| 213.7 |
| 129.4 |
| 42.1 |
| 0.0 |

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