

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: P950290

Luminaire Tested: **GLAN-SB4D-750-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950290
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-SB4D-750-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45187 lumens
Efficiency: N/A
Efficacy: 153.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

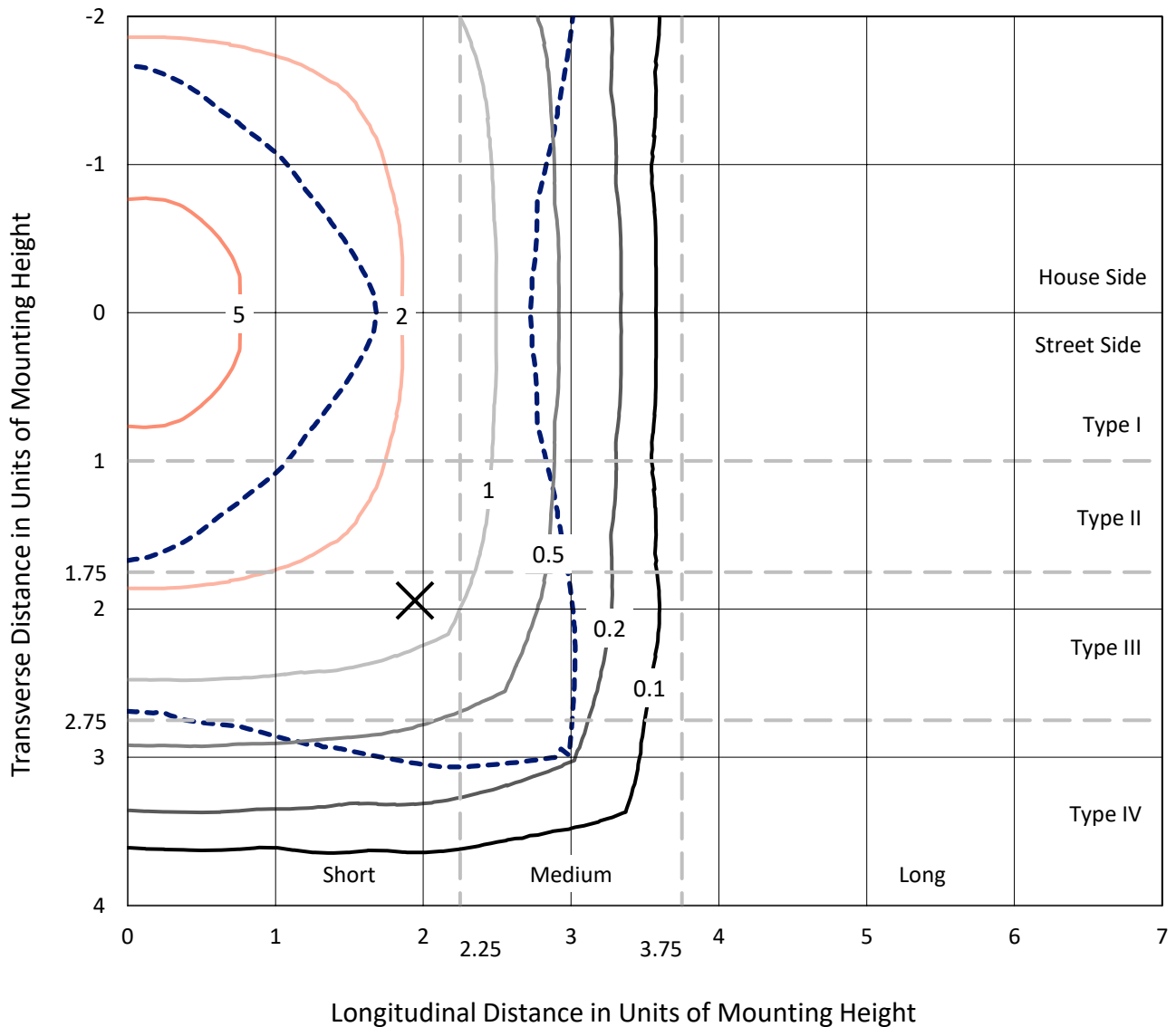
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

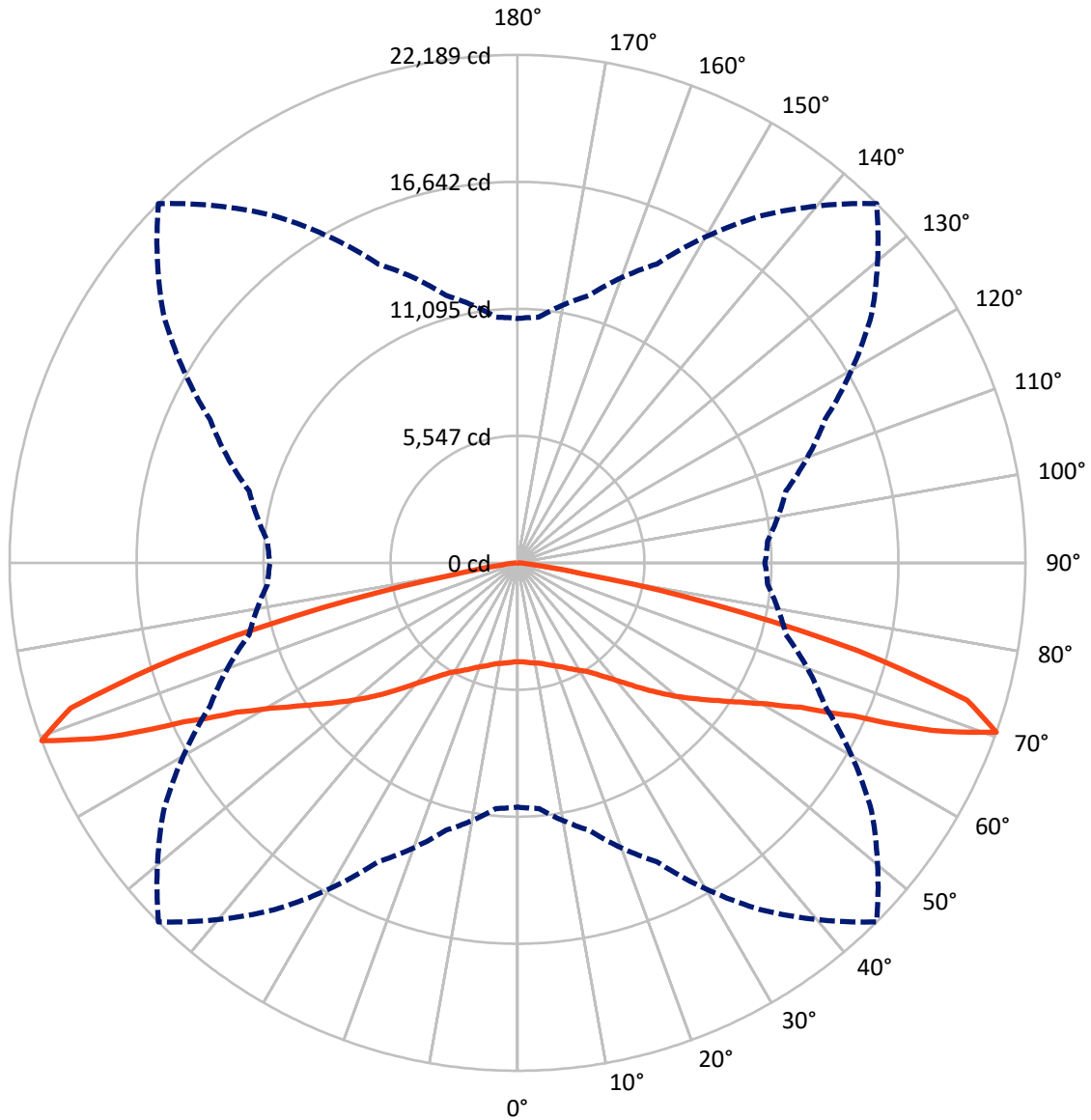
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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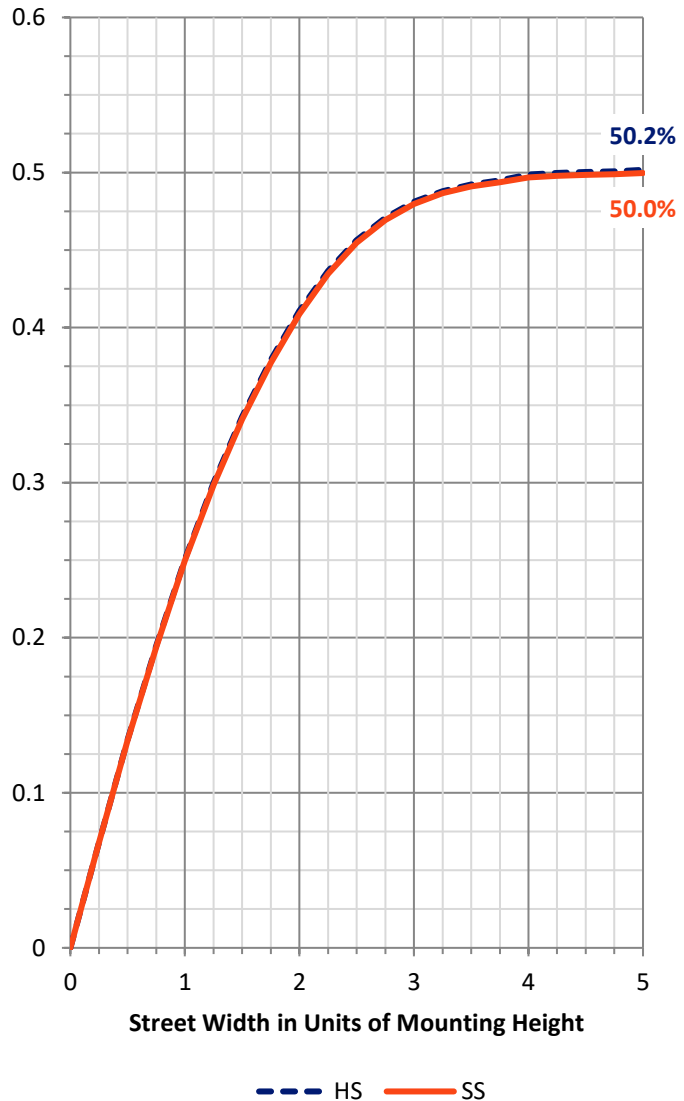
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 22593.5 | 0.0 | 22593.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 22593.5 | 0.0 | 22593.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 45187.0 | 0.0 | 45187.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 420.5 | 0.9 |
| 10°-20° | 1304.0 | 2.9 |
| 20°-30° | 2330.3 | 5.2 |
| 30°-40° | 3777.4 | 8.4 |
| 40°-50° | 6152.8 | 13.6 |
| 50°-60° | 9380.9 | 20.8 |
| 60°-70° | 13955.8 | 30.9 |
| 70°-80° | 7606.4 | 16.8 |
| 80°-90° | 259.0 | 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° | 45187.0 | 100.0 |
| 0°-180° | 45187.0 | 100.0 |

Coefficient of Utilization



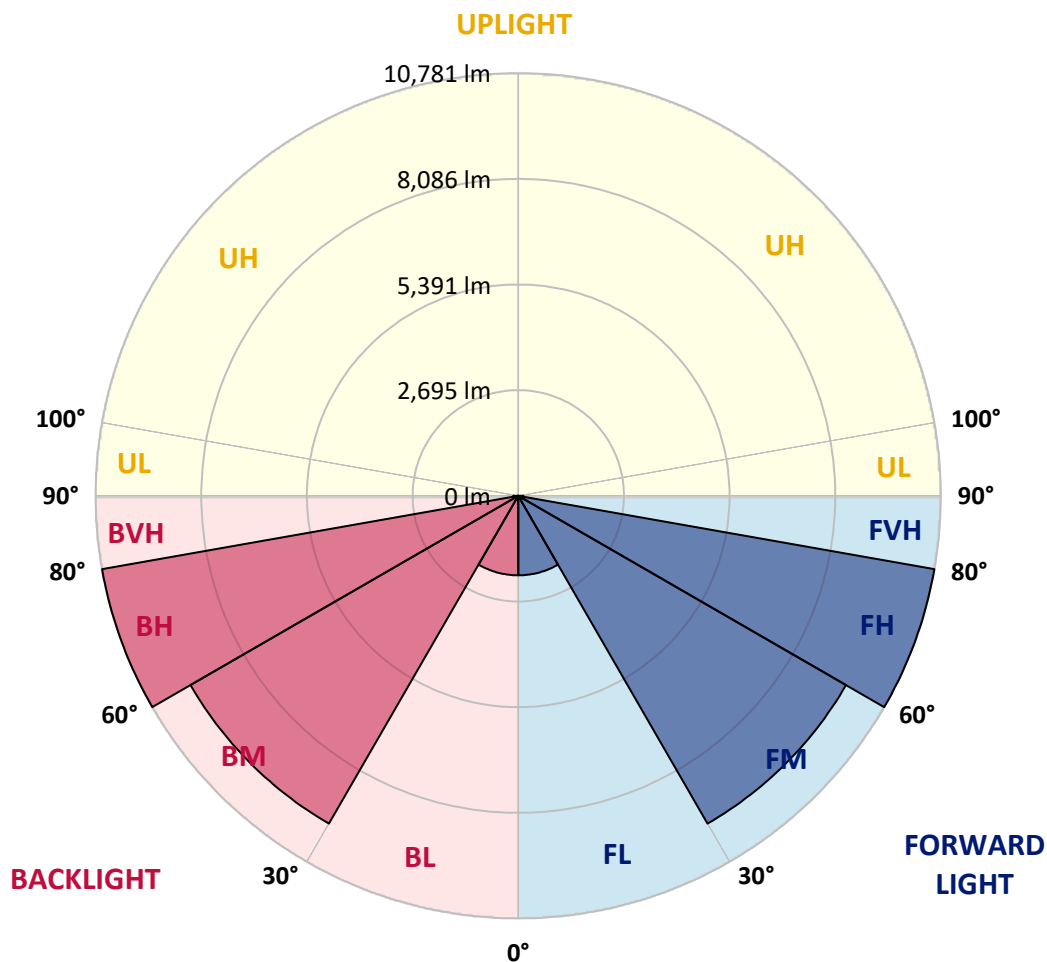
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 2027.4 | 4.5 | | | |
| FM (30°-60°) | 9655.5 | 21.4 | | | |
| FH (60°-80°) | 10781.1 | 23.9 | | | G4/12000 |
| FVH (80°-90°) | 129.5 | 0.3 | | | G2/225 |
| BL (0°-30°) | 2027.4 | 4.5 | B3/2500 | | |
| BM (30°-60°) | 9655.5 | 21.4 | B5 | | |
| BH (60°-80°) | 10781.1 | 23.9 | B5 | | G4/12000 |
| BVH (80°-90°) | 129.5 | 0.3 | | | 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° | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 | 4328.4 |
| 2.5° | 4348.9 | 4353.4 | 4344.3 | 4339.8 | 4335.3 | 4328.4 | 4330.7 | 4342.1 | 4351.1 | 4348.9 |
| 5° | 4385.2 | 4389.7 | 4382.9 | 4380.6 | 4371.5 | 4369.3 | 4369.3 | 4380.6 | 4387.4 | 4382.9 |
| 7.5° | 4426.0 | 4432.8 | 4421.5 | 4419.2 | 4414.7 | 4410.1 | 4407.8 | 4419.2 | 4426.0 | 4426.0 |
| 10° | 4464.6 | 4471.4 | 4462.3 | 4455.5 | 4451.0 | 4451.0 | 4446.4 | 4455.5 | 4466.8 | 4464.6 |
| 12.5° | 4505.4 | 4509.9 | 4500.9 | 4496.3 | 4496.3 | 4503.1 | 4496.3 | 4500.9 | 4509.9 | 4505.4 |
| 15° | 4555.3 | 4557.6 | 4555.3 | 4562.1 | 4573.5 | 4596.1 | 4575.7 | 4571.2 | 4575.7 | 4564.4 |
| 17.5° | 4623.4 | 4627.9 | 4637.0 | 4652.9 | 4668.7 | 4709.6 | 4673.3 | 4661.9 | 4661.9 | 4639.2 |
| 20° | 4707.3 | 4714.1 | 4727.7 | 4754.9 | 4775.4 | 4813.9 | 4777.6 | 4761.7 | 4754.9 | 4725.4 |
| 22.5° | 4795.8 | 4807.1 | 4827.5 | 4863.8 | 4900.1 | 4936.4 | 4900.1 | 4872.9 | 4852.5 | 4813.9 |
| 25° | 4897.9 | 4911.5 | 4943.2 | 5002.2 | 5052.1 | 5104.3 | 5061.2 | 5006.8 | 4965.9 | 4911.5 |
| 27.5° | 5043.0 | 5058.9 | 5097.5 | 5170.1 | 5233.6 | 5279.0 | 5238.1 | 5167.8 | 5111.1 | 5045.3 |
| 30° | 5247.2 | 5263.1 | 5308.5 | 5385.6 | 5428.7 | 5458.2 | 5431.0 | 5376.5 | 5308.5 | 5233.6 |
| 32.5° | 5510.4 | 5530.8 | 5580.7 | 5653.3 | 5662.4 | 5666.9 | 5657.8 | 5630.6 | 5580.7 | 5490.0 |
| 35° | 5843.9 | 5866.5 | 5923.3 | 5982.2 | 5973.2 | 5982.2 | 5968.6 | 5959.6 | 5923.3 | 5818.9 |
| 37.5° | 6252.2 | 6279.4 | 6338.4 | 6383.8 | 6361.1 | 6349.7 | 6352.0 | 6354.3 | 6333.9 | 6218.2 |
| 40° | 6726.3 | 6762.6 | 6805.7 | 6853.4 | 6814.8 | 6780.8 | 6803.5 | 6821.6 | 6803.5 | 6685.5 |
| 42.5° | 7214.1 | 7266.3 | 7311.6 | 7379.7 | 7347.9 | 7304.8 | 7336.6 | 7357.0 | 7318.4 | 7191.4 |
| 45° | 7756.3 | 7806.2 | 7865.2 | 7967.2 | 7944.6 | 7899.2 | 7944.6 | 7949.1 | 7883.3 | 7733.6 |
| 47.5° | 8316.6 | 8368.8 | 8457.3 | 8593.4 | 8584.3 | 8534.4 | 8593.4 | 8561.6 | 8477.7 | 8298.5 |
| 50° | 8847.5 | 8920.0 | 9056.2 | 9246.7 | 9264.9 | 9203.6 | 9283.0 | 9221.8 | 9081.1 | 8856.5 |
| 52.5° | 9346.5 | 9423.7 | 9639.2 | 9897.8 | 9963.6 | 9884.2 | 9990.8 | 9884.2 | 9673.2 | 9385.1 |
| 55° | 9870.6 | 9956.8 | 10213.1 | 10551.2 | 10682.7 | 10623.8 | 10723.6 | 10562.5 | 10263.0 | 9913.7 |
| 57.5° | 10487.6 | 10539.8 | 10846.1 | 11247.6 | 11469.9 | 11483.5 | 11528.9 | 11256.7 | 10893.7 | 10496.7 |
| 60° | 11156.9 | 11229.5 | 11562.9 | 12043.9 | 12395.5 | 12508.9 | 12461.3 | 12057.5 | 11635.5 | 11179.6 |
| 62.5° | 12014.4 | 12093.8 | 12493.1 | 13069.3 | 13625.1 | 13906.4 | 13720.4 | 13135.1 | 12613.3 | 12066.6 |
| 65° | 12724.5 | 12812.9 | 13534.3 | 14562.0 | 15573.8 | 16138.7 | 15671.3 | 14593.8 | 13654.6 | 12883.3 |
| 67.5° | 12209.5 | 12318.4 | 13450.4 | 15337.9 | 17853.7 | 19539.3 | 17939.9 | 15569.3 | 13729.4 | 12683.6 |
| 70° | 10671.4 | 10773.5 | 12093.8 | 14400.9 | 18495.7 | 22189.0 | 18881.4 | 14825.2 | 12136.9 | 10966.3 |
| 72.5° | 7084.8 | 7413.7 | 8749.9 | 11517.6 | 16515.2 | 20532.9 | 16678.6 | 11283.9 | 8117.0 | 7068.9 |
| 75° | 2350.2 | 2613.4 | 3525.4 | 5970.9 | 11061.6 | 15356.0 | 10530.7 | 5283.5 | 2792.6 | 2010.0 |
| 77.5° | 592.1 | 682.8 | 941.5 | 1708.2 | 4412.4 | 8743.1 | 3972.3 | 1395.2 | 760.0 | 530.8 |
| 80° | 288.1 | 317.6 | 453.7 | 569.4 | 1104.8 | 2779.0 | 1036.7 | 535.4 | 358.4 | 276.8 |
| 82.5° | 158.8 | 161.1 | 256.3 | 322.1 | 410.6 | 719.1 | 426.5 | 313.1 | 206.4 | 167.9 |
| 85° | 97.5 | 95.3 | 136.1 | 172.4 | 172.4 | 256.3 | 204.2 | 172.4 | 118.0 | 104.4 |
| 87.5° | 38.6 | 38.6 | 49.9 | 54.4 | 47.6 | 65.8 | 52.2 | 56.7 | 45.4 | 43.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 4328.4 |
| 4351.1 |
| 4385.2 |
| 4426.0 |
| 4464.6 |
| 4503.1 |
| 4564.4 |
| 4639.2 |
| 4725.4 |
| 4811.7 |
| 4909.2 |
| 5043.0 |
| 5233.6 |
| 5492.2 |
| 5818.9 |
| 6218.2 |
| 6685.5 |
| 7200.5 |
| 7749.5 |
| 8287.1 |
| 8852.0 |
| 9357.9 |
| 9866.0 |
| 10442.3 |
| 11107.0 |
| 11971.3 |
| 12756.2 |
| 12527.1 |
| 10809.8 |
| 6839.8 |
| 1901.1 |
| 474.1 |
| 254.1 |
| 167.9 |
| 108.9 |
| 45.4 |
| 0.0 |

OF REPORT)