

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: P948866

Luminaire Tested: **GLAN-SB3D-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33263 lumens
Efficiency: N/A
Efficacy: 152.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

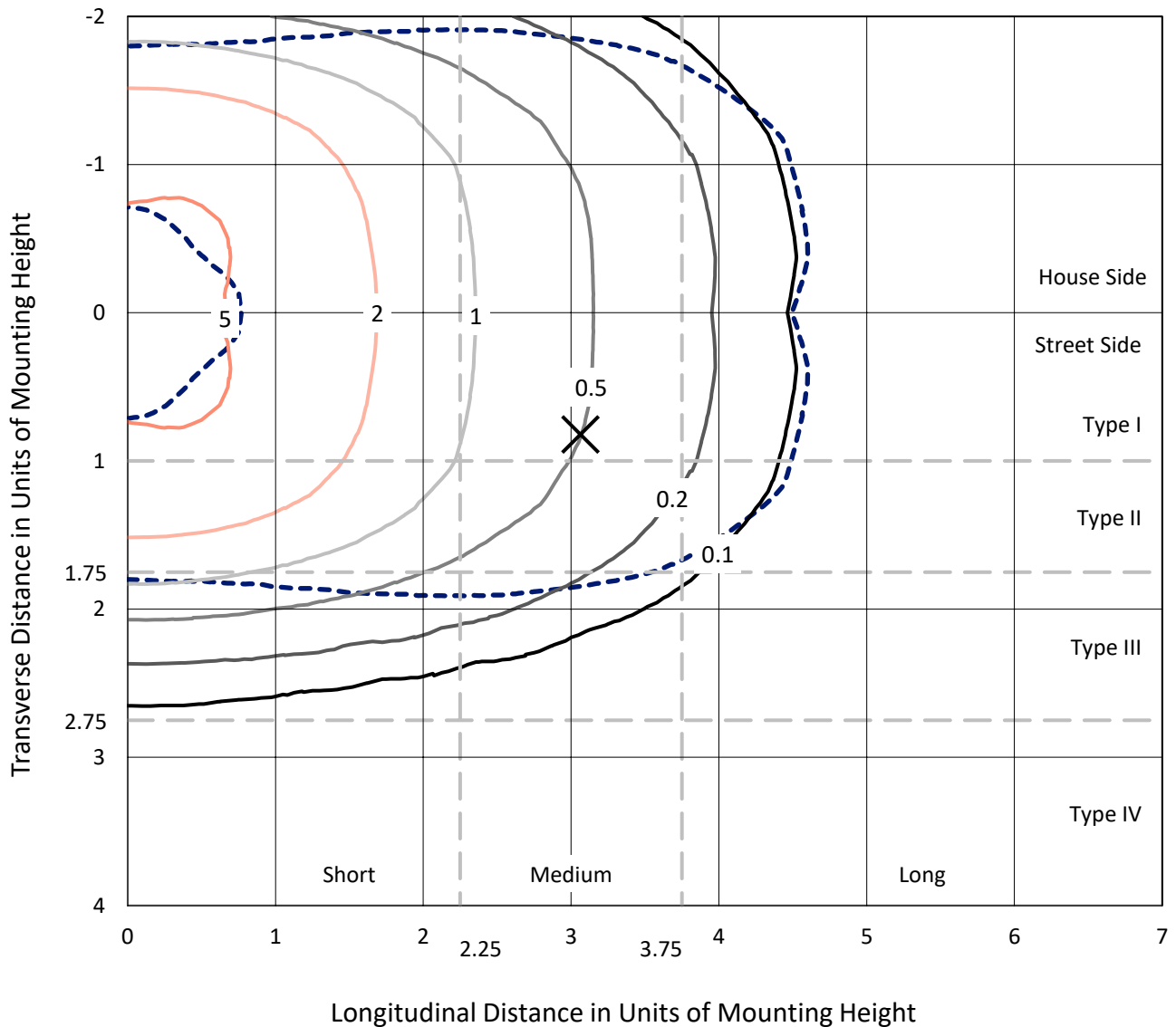
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

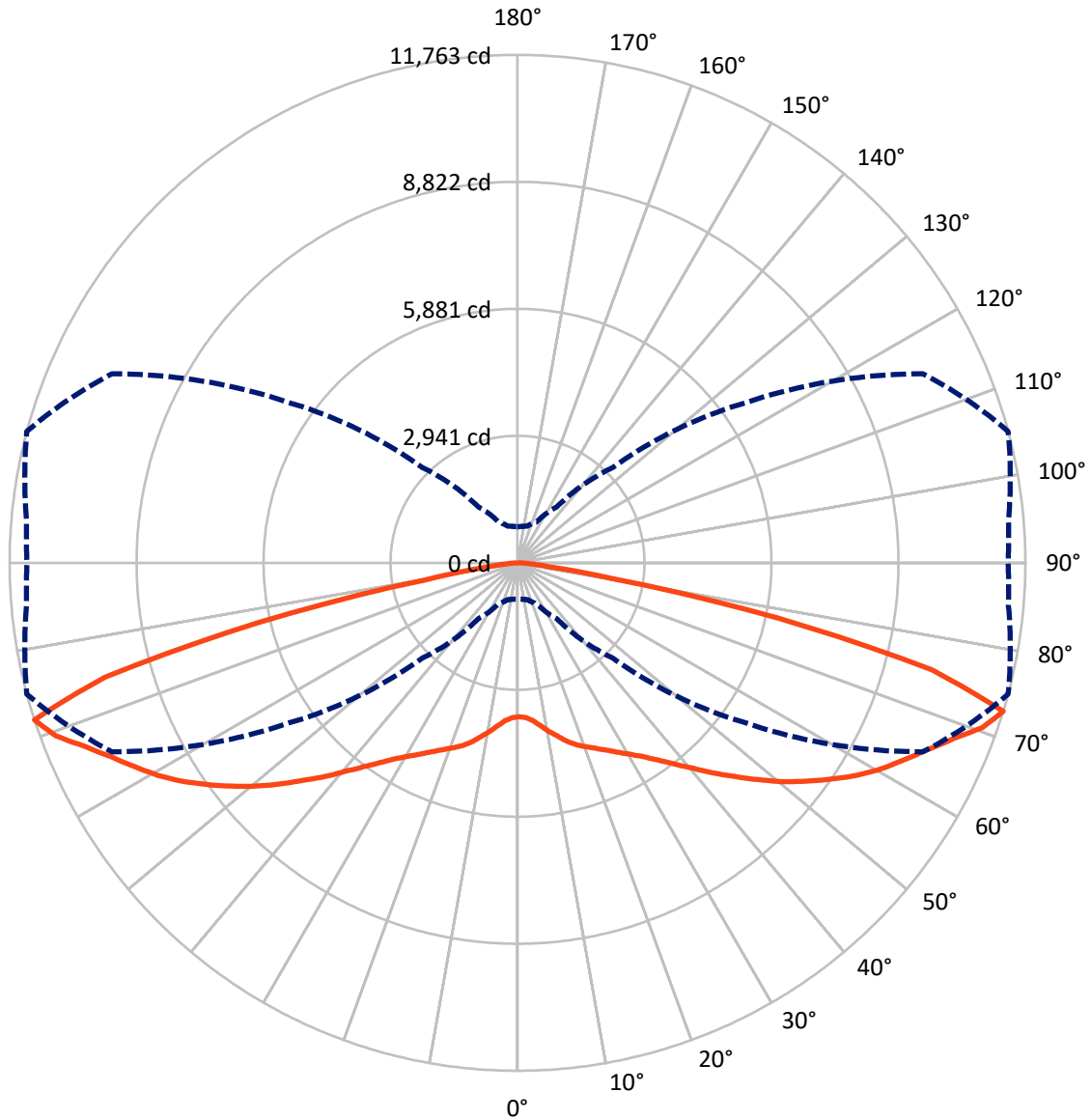
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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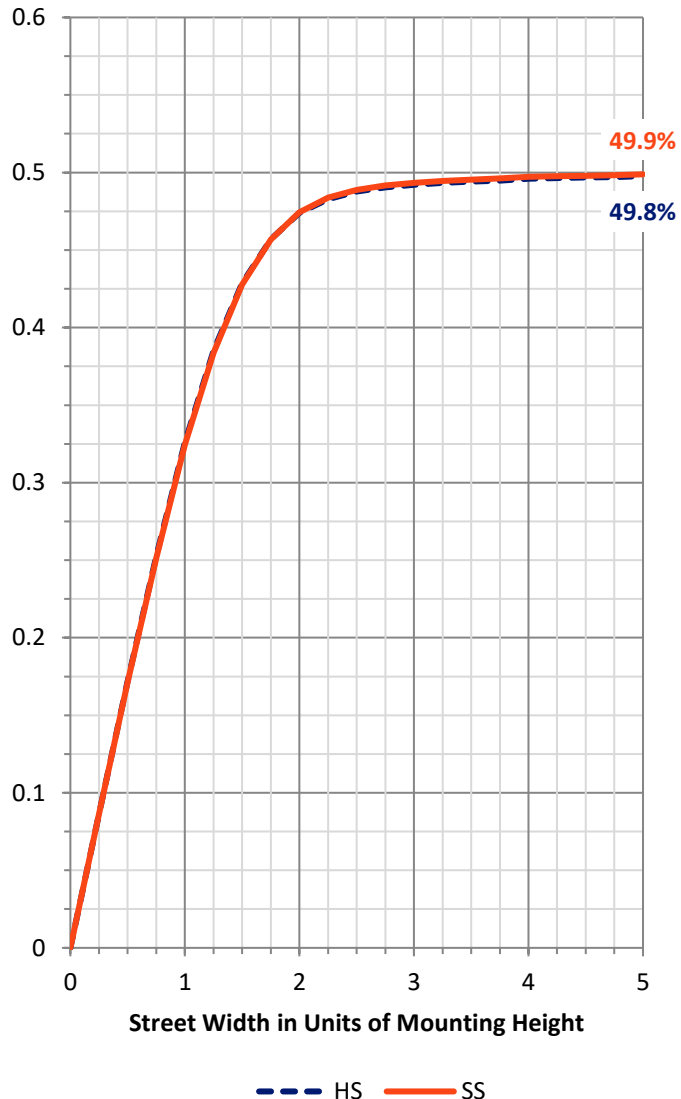
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 16631.5 | 0.0 | 16631.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 16631.5 | 0.0 | 16631.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 33263.0 | 0.0 | 33263.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 349.0 | 1.0 |
| 10°-20° | 1151.2 | 3.5 |
| 20°-30° | 2224.4 | 6.7 |
| 30°-40° | 3756.1 | 11.3 |
| 40°-50° | 5956.7 | 17.9 |
| 50°-60° | 7975.3 | 24.0 |
| 60°-70° | 7589.9 | 22.8 |
| 70°-80° | 3960.6 | 11.9 |
| 80°-90° | 299.8 | 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° | 33263.0 | 100.0 |
| 0°-180° | 33263.0 | 100.0 |

Coefficient of Utilization

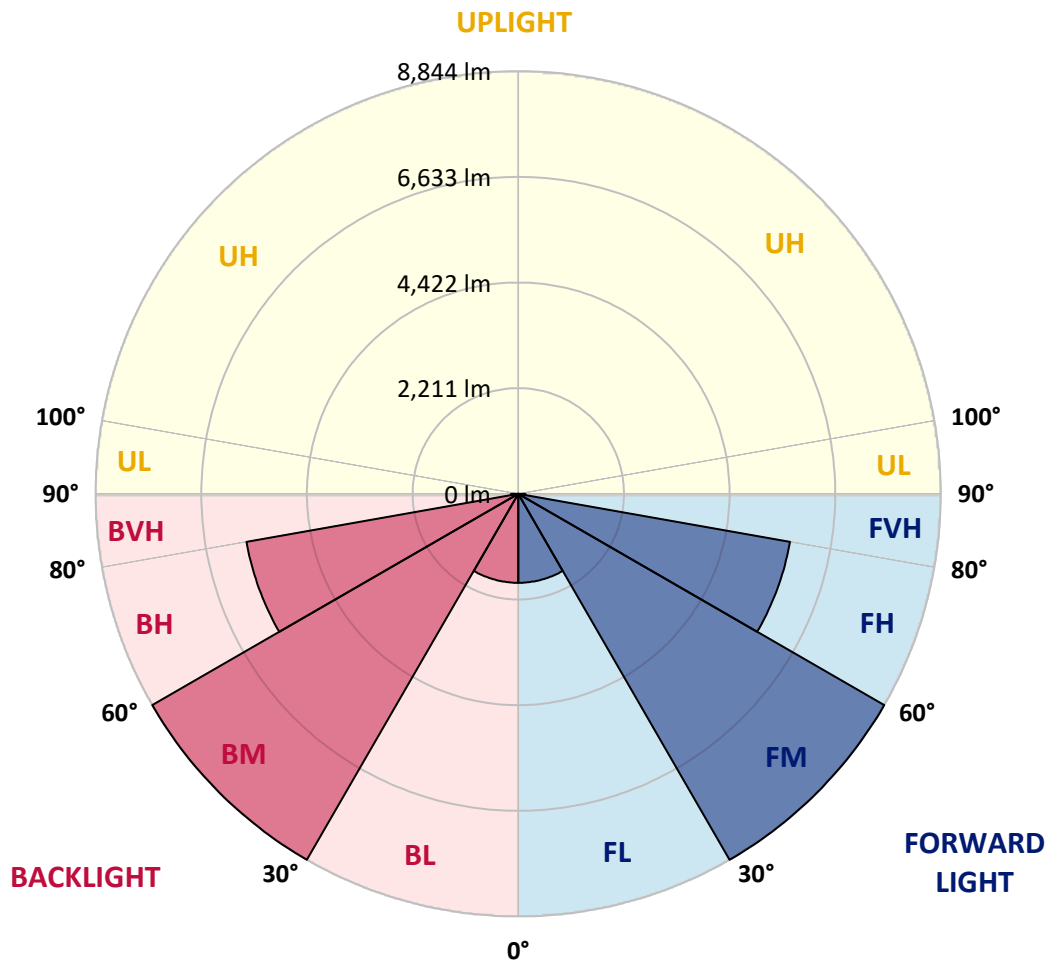


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1862.3 | 5.6 | | | |
| FM (30°-60°) | 8844.0 | 26.6 | | | |
| FH (60°-80°) | 5775.2 | 17.4 | | | G3/7500 |
| FVH (80°-90°) | 149.9 | 0.5 | | | G2/225 |
| BL (0°-30°) | 1862.3 | 5.6 | B3/2500 | | |
| BM (30°-60°) | 8844.0 | 26.6 | B5 | | |
| BH (60°-80°) | 5775.2 | 17.4 | B5 | | G5 |
| BVH (80°-90°) | 149.9 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0° | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 | 3563.1 |
| 2.5° | 3563.1 | 3559.7 | 3563.1 | 3566.5 | 3564.8 | 3564.8 | 3573.3 | 3578.3 | 3588.5 | 3586.8 |
| 5° | 3539.3 | 3537.6 | 3551.2 | 3566.5 | 3578.3 | 3598.7 | 3624.2 | 3642.9 | 3666.7 | 3671.8 |
| 7.5° | 3527.4 | 3522.3 | 3546.1 | 3573.3 | 3610.6 | 3661.6 | 3710.8 | 3761.8 | 3802.5 | 3816.1 |
| 10° | 3535.9 | 3537.6 | 3569.9 | 3620.8 | 3680.2 | 3751.6 | 3821.2 | 3907.8 | 3965.6 | 3979.1 |
| 12.5° | 3575.0 | 3571.6 | 3625.9 | 3707.4 | 3788.9 | 3878.9 | 3960.5 | 4055.6 | 4118.4 | 4150.7 |
| 15° | 3646.3 | 3639.5 | 3715.9 | 3836.5 | 3955.4 | 4060.7 | 4126.9 | 4216.9 | 4289.9 | 4330.7 |
| 17.5° | 3731.2 | 3734.6 | 3834.8 | 3991.0 | 4147.3 | 4266.2 | 4329.0 | 4374.9 | 4430.9 | 4466.6 |
| 20° | 3880.6 | 3887.4 | 3999.5 | 4184.6 | 4363.0 | 4498.8 | 4549.8 | 4532.8 | 4548.1 | 4575.3 |
| 22.5° | 4081.0 | 4084.4 | 4210.1 | 4410.5 | 4597.3 | 4746.8 | 4780.8 | 4711.1 | 4668.7 | 4687.3 |
| 25° | 4313.7 | 4335.8 | 4461.5 | 4667.0 | 4858.9 | 5001.5 | 5016.8 | 4911.5 | 4806.2 | 4811.3 |
| 27.5° | 4597.3 | 4617.7 | 4745.1 | 4948.9 | 5144.2 | 5268.2 | 5266.5 | 5125.5 | 4971.0 | 4931.9 |
| 30° | 4904.7 | 4926.8 | 5057.6 | 5268.2 | 5449.9 | 5558.6 | 5534.8 | 5366.7 | 5145.9 | 5072.9 |
| 32.5° | 5269.9 | 5283.5 | 5415.9 | 5626.5 | 5794.6 | 5881.3 | 5832.0 | 5624.8 | 5349.7 | 5266.5 |
| 35° | 5711.4 | 5731.8 | 5830.3 | 6029.0 | 6176.8 | 6248.1 | 6164.9 | 5920.3 | 5611.2 | 5517.8 |
| 37.5° | 6215.8 | 6202.2 | 6314.3 | 6491.0 | 6613.2 | 6657.4 | 6543.6 | 6253.2 | 5910.1 | 5799.7 |
| 40° | 6742.3 | 6735.5 | 6857.8 | 7027.6 | 7093.9 | 7121.0 | 6952.9 | 6635.3 | 6254.9 | 6136.0 |
| 42.5° | 7219.5 | 7214.4 | 7379.2 | 7567.7 | 7647.5 | 7616.9 | 7404.6 | 7041.2 | 6654.0 | 6518.1 |
| 45° | 7601.7 | 7594.9 | 7797.0 | 8061.9 | 8218.1 | 8167.2 | 7881.9 | 7489.6 | 7058.2 | 6917.2 |
| 47.5° | 7895.5 | 7898.9 | 8116.2 | 8444.0 | 8717.4 | 8736.1 | 8369.3 | 7946.4 | 7503.2 | 7343.5 |
| 50° | 8107.8 | 8117.9 | 8350.6 | 8714.0 | 9087.7 | 9252.4 | 8866.9 | 8415.1 | 7963.4 | 7783.4 |
| 52.5° | 8160.4 | 8179.1 | 8459.3 | 8885.6 | 9325.4 | 9639.6 | 9373.0 | 8865.2 | 8399.9 | 8228.3 |
| 55° | 7880.2 | 7917.5 | 8272.5 | 8872.0 | 9471.5 | 9894.4 | 9818.0 | 9322.0 | 8839.7 | 8663.1 |
| 57.5° | 7236.5 | 7289.2 | 7703.6 | 8486.5 | 9439.2 | 10069.3 | 10162.7 | 9760.2 | 9279.6 | 9109.8 |
| 60° | 6334.7 | 6397.5 | 6795.0 | 7649.2 | 8984.1 | 10133.8 | 10405.6 | 10186.5 | 9683.8 | 9519.0 |
| 62.5° | 4974.4 | 5055.9 | 5531.4 | 6533.4 | 8022.8 | 9833.2 | 10612.8 | 10572.0 | 10047.2 | 9841.7 |
| 65° | 3191.1 | 3277.7 | 3778.7 | 4962.5 | 6740.6 | 8912.8 | 10677.3 | 10947.3 | 10431.0 | 10144.0 |
| 67.5° | 1924.2 | 1963.3 | 2211.2 | 3007.7 | 4926.8 | 7525.2 | 10130.4 | 11363.4 | 10879.4 | 10522.8 |
| 70° | 1231.3 | 1253.4 | 1401.1 | 1766.2 | 2785.2 | 5490.6 | 8775.2 | 11441.5 | 11422.9 | 10911.7 |
| 72.5° | 835.6 | 842.4 | 881.4 | 1046.2 | 1576.0 | 3119.8 | 6472.3 | 10358.0 | 11762.5 | 11412.7 |
| 75° | 611.4 | 648.8 | 711.6 | 740.5 | 895.0 | 1559.1 | 3709.1 | 7277.3 | 9913.1 | 10065.9 |
| 77.5° | 455.1 | 456.8 | 543.5 | 577.4 | 638.6 | 830.5 | 1569.2 | 4062.4 | 6154.7 | 6462.1 |
| 80° | 385.5 | 365.1 | 363.4 | 465.3 | 480.6 | 518.0 | 701.4 | 1402.8 | 2204.4 | 1336.6 |
| 82.5° | 321.0 | 298.9 | 270.0 | 363.4 | 327.8 | 317.6 | 304.0 | 570.6 | 701.4 | 344.8 |
| 85° | 224.2 | 214.0 | 203.8 | 237.8 | 186.8 | 159.6 | 146.1 | 266.6 | 295.5 | 146.1 |
| 87.5° | 96.8 | 100.2 | 101.9 | 105.3 | 78.1 | 56.0 | 56.0 | 74.7 | 74.7 | 57.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 3563.1 |
| 3585.1 |
| 3671.8 |
| 3819.5 |
| 3992.7 |
| 4164.3 |
| 4346.0 |
| 4483.5 |
| 4595.6 |
| 4700.9 |
| 4819.8 |
| 4943.8 |
| 5081.4 |
| 5286.9 |
| 5531.4 |
| 5820.1 |
| 6175.1 |
| 6552.1 |
| 6949.5 |
| 7391.1 |
| 7837.7 |
| 8272.5 |
| 8712.4 |
| 9148.8 |
| 9554.7 |
| 9865.5 |
| 10179.7 |
| 10549.9 |
| 10908.3 |
| 11358.3 |
| 9695.7 |
| 5764.1 |
| 1010.5 |
| 293.8 |
| 129.1 |
| 42.5 |
| 0.0 |

OF REPORT)