

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: P955519

Luminaire Tested: **GLAN-SB8B-950-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955519  
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-SB8B-950-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33172 lumens  
Efficiency: N/A  
Efficacy: 113.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 292.8  
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

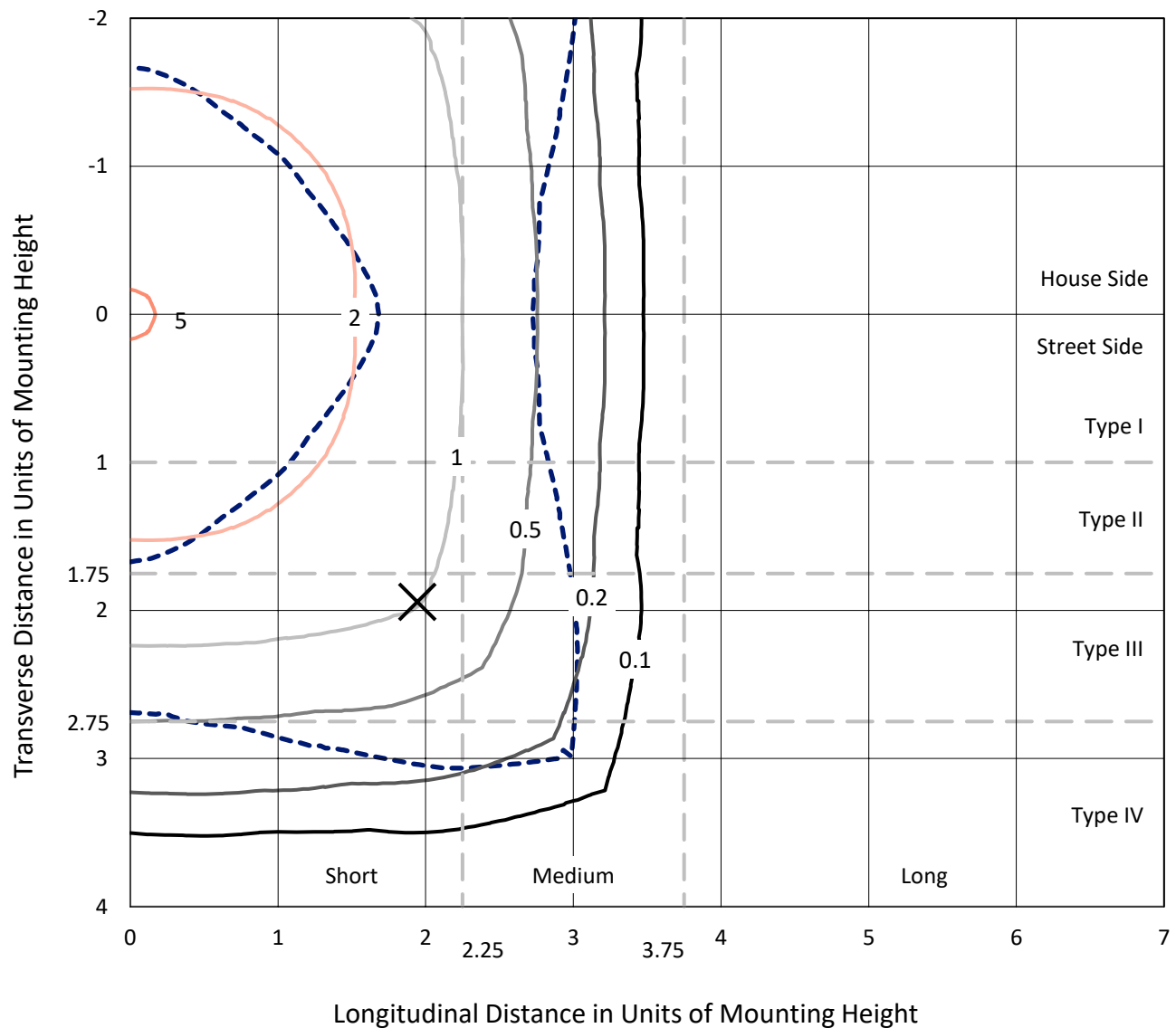


REPORT NUMBER: P955519

CATALOG NUMBER: GLAN-SB8B-950-U-5MQ

## Iso-Footcandle Lines of Horizontal Illumination

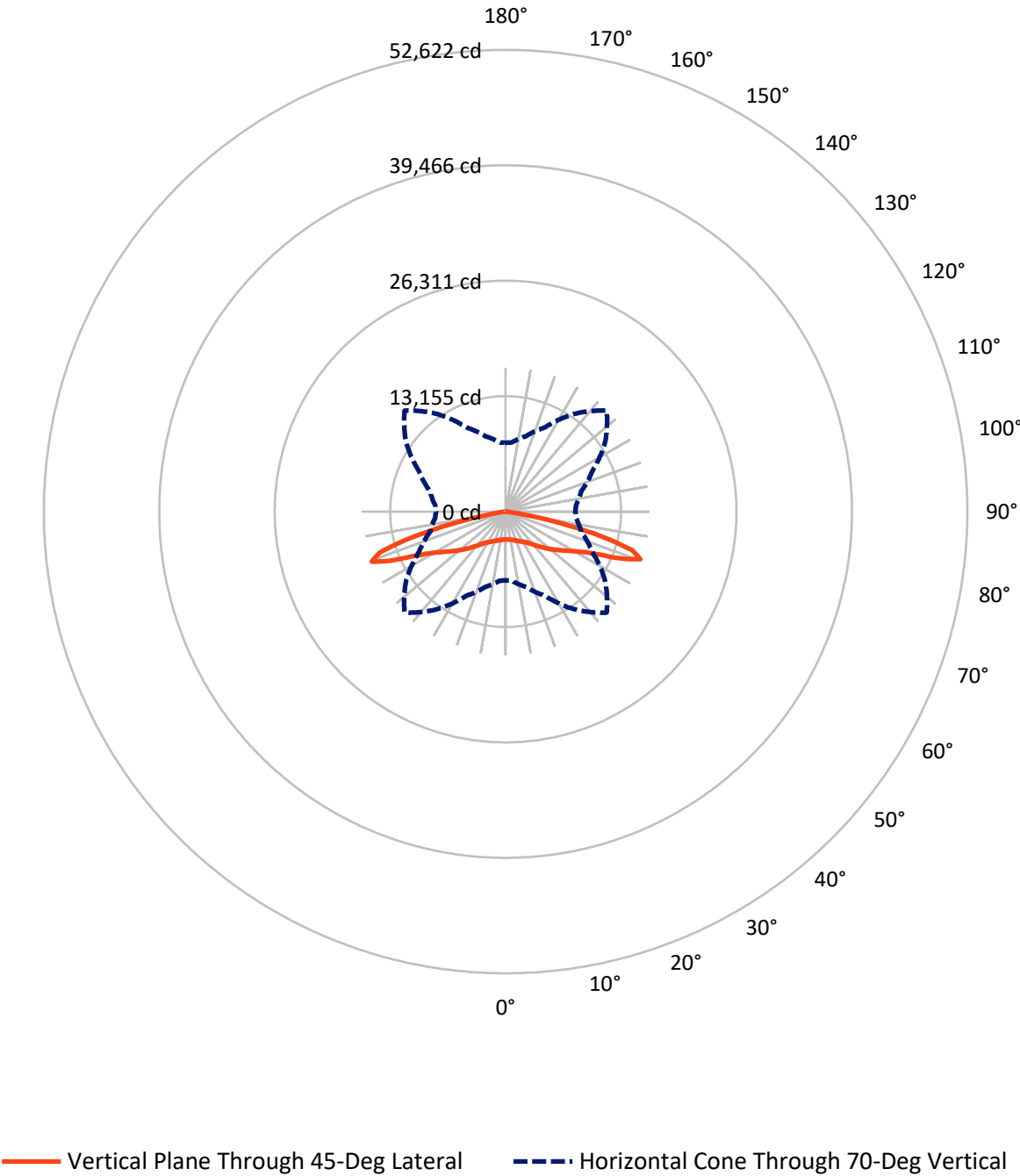
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
Type V - Short - N/A

REPORT NUMBER: P955519  
CATALOG NUMBER: GLAN-SB8B-950-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P955519

CATALOG NUMBER: GLAN-SB8B-950-U-5MQ

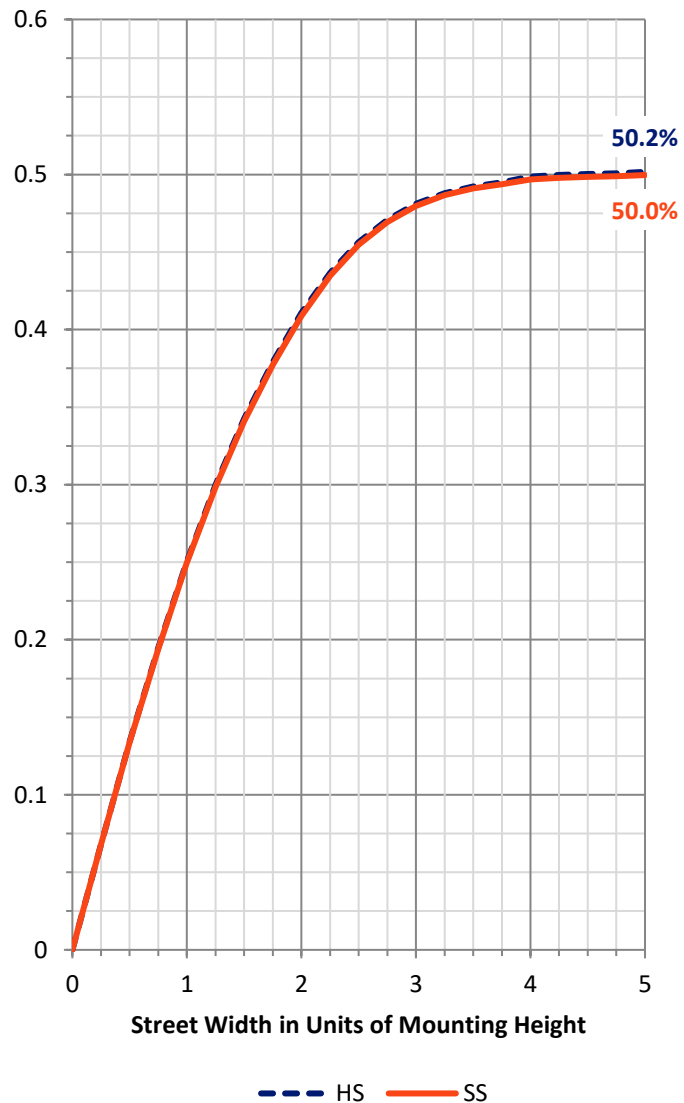
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16586.0  | 0.0    | 16586.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16586.0  | 0.0    | 16586.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 33172.0  | 0.0    | 33172.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 308.7   | 0.9       |
| 10°-20°   | 957.2   | 2.9       |
| 20°-30°   | 1710.7  | 5.2       |
| 30°-40°   | 2773.0  | 8.4       |
| 40°-50°   | 4516.8  | 13.6      |
| 50°-60°   | 6886.6  | 20.8      |
| 60°-70°   | 10245.0 | 30.9      |
| 70°-80°   | 5583.9  | 16.8      |
| 80°-90°   | 190.1   | 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°    | 33172.0 | 100.0     |
| 0°-180°   | 33172.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P955519

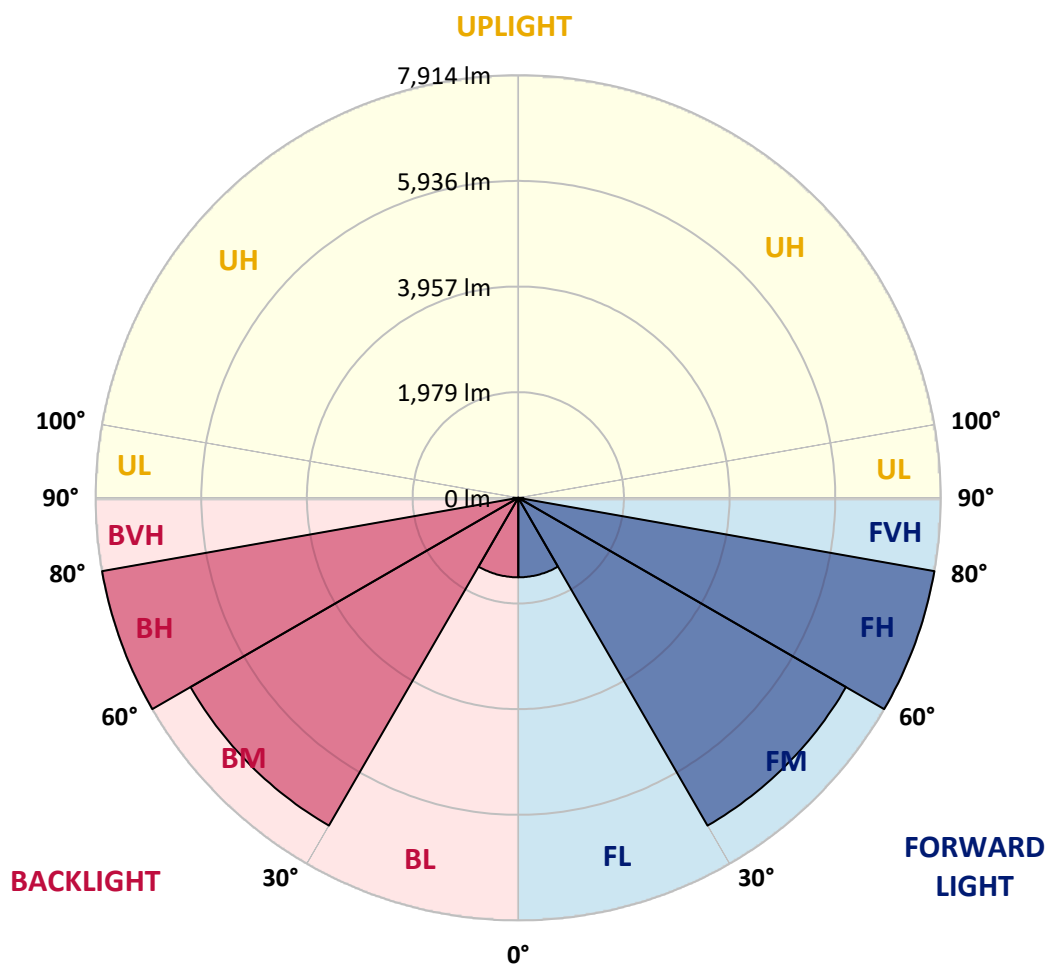
CATALOG NUMBER: GLAN-SB8B-950-U-5MQ

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1488.3 | 4.5       |                         |      |          |
| FM   | (30°-60°)   | 7088.2 | 21.4      |                         |      |          |
| FH   | (60°-80°)   | 7914.4 | 23.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 95.1   | 0.3       |                         |      | G1/100   |
| BL   | (0°-30°)    | 1488.3 | 4.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 7088.2 | 21.4      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 7914.4 | 23.9      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 95.1   | 0.3       |                         |      | G1/100   |
| 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



REPORT NUMBER: P955519

CATALOG NUMBER: GLAN-SB8B-950-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 3177.5 | 3177.5 | 3177.5 | 3177.5  | 3177.5  | 3177.5  | 3177.5  | 3177.5  | 3177.5  | 3177.5 |
| 2.5°  | 3192.5 | 3195.9 | 3189.2 | 3185.9  | 3182.5  | 3177.5  | 3179.2  | 3187.5  | 3194.2  | 3192.5 |
| 5°    | 3219.2 | 3222.5 | 3217.5 | 3215.8  | 3209.2  | 3207.5  | 3207.5  | 3215.8  | 3220.8  | 3217.5 |
| 7.5°  | 3249.1 | 3254.1 | 3245.8 | 3244.1  | 3240.8  | 3237.5  | 3235.8  | 3244.1  | 3249.1  | 3249.1 |
| 10°   | 3277.5 | 3282.5 | 3275.8 | 3270.8  | 3267.5  | 3267.5  | 3264.1  | 3270.8  | 3279.1  | 3277.5 |
| 12.5° | 3307.4 | 3310.8 | 3304.1 | 3300.8  | 3300.8  | 3305.8  | 3300.8  | 3304.1  | 3310.8  | 3307.4 |
| 15°   | 3344.1 | 3345.7 | 3344.1 | 3349.1  | 3357.4  | 3374.0  | 3359.1  | 3355.7  | 3359.1  | 3350.7 |
| 17.5° | 3394.0 | 3397.4 | 3404.0 | 3415.7  | 3427.3  | 3457.3  | 3430.7  | 3422.3  | 3422.3  | 3405.7 |
| 20°   | 3455.7 | 3460.6 | 3470.6 | 3490.6  | 3505.6  | 3533.9  | 3507.3  | 3495.6  | 3490.6  | 3469.0 |
| 22.5° | 3520.6 | 3528.9 | 3543.9 | 3570.6  | 3597.2  | 3623.9  | 3597.2  | 3577.2  | 3562.2  | 3533.9 |
| 25°   | 3595.5 | 3605.5 | 3628.9 | 3672.2  | 3708.8  | 3747.1  | 3715.5  | 3675.5  | 3645.5  | 3605.5 |
| 27.5° | 3702.1 | 3713.8 | 3742.1 | 3795.4  | 3842.0  | 3875.3  | 3845.3  | 3793.7  | 3752.1  | 3703.8 |
| 30°   | 3852.0 | 3863.7 | 3897.0 | 3953.6  | 3985.2  | 4006.9  | 3986.9  | 3946.9  | 3897.0  | 3842.0 |
| 32.5° | 4045.2 | 4060.2 | 4096.8 | 4150.1  | 4156.8  | 4160.1  | 4153.4  | 4133.5  | 4096.8  | 4030.2 |
| 35°   | 4290.0 | 4306.7 | 4348.3 | 4391.6  | 4384.9  | 4391.6  | 4381.6  | 4374.9  | 4348.3  | 4271.7 |
| 37.5° | 4589.8 | 4609.8 | 4653.1 | 4686.4  | 4669.7  | 4661.4  | 4663.0  | 4664.7  | 4649.7  | 4564.8 |
| 40°   | 4937.8 | 4964.5 | 4996.1 | 5031.1  | 5002.8  | 4977.8  | 4994.5  | 5007.8  | 4994.5  | 4907.9 |
| 42.5° | 5295.9 | 5334.2 | 5367.5 | 5417.5  | 5394.1  | 5362.5  | 5385.8  | 5400.8  | 5372.5  | 5279.2 |
| 45°   | 5693.9 | 5730.6 | 5773.9 | 5848.8  | 5832.1  | 5798.8  | 5832.1  | 5835.5  | 5787.2  | 5677.3 |
| 47.5° | 6105.3 | 6143.6 | 6208.5 | 6308.4  | 6301.8  | 6265.1  | 6308.4  | 6285.1  | 6223.5  | 6091.9 |
| 50°   | 6495.0 | 6548.3 | 6648.2 | 6788.1  | 6801.4  | 6756.4  | 6814.7  | 6769.7  | 6666.5  | 6501.6 |
| 52.5° | 6861.3 | 6918.0 | 7076.2 | 7266.0  | 7314.3  | 7256.0  | 7334.3  | 7256.0  | 7101.2  | 6889.7 |
| 55°   | 7246.0 | 7309.3 | 7497.5 | 7745.7  | 7842.2  | 7798.9  | 7872.2  | 7754.0  | 7534.2  | 7277.7 |
| 57.5° | 7699.0 | 7737.3 | 7962.2 | 8256.9  | 8420.1  | 8430.1  | 8463.4  | 8263.6  | 7997.1  | 7705.7 |
| 60°   | 8190.3 | 8243.6 | 8488.4 | 8841.5  | 9099.6  | 9182.9  | 9147.9  | 8851.5  | 8541.7  | 8207.0 |
| 62.5° | 8819.8 | 8878.1 | 9171.2 | 9594.2  | 10002.2 | 10208.7 | 10072.2 | 9642.5  | 9259.5  | 8858.1 |
| 65°   | 9341.1 | 9406.0 | 9935.6 | 10690.0 | 11432.8 | 11847.5 | 11504.4 | 10713.4 | 10023.9 | 9457.7 |
| 67.5° | 8963.0 | 9043.0 | 9874.0 | 11259.6 | 13106.5 | 14343.9 | 13169.8 | 11429.5 | 10078.8 | 9311.1 |
| 70°   | 7833.9 | 7908.9 | 8878.1 | 10571.8 | 13577.8 | 16289.0 | 13860.9 | 10883.2 | 8909.8  | 8050.4 |
| 72.5° | 5201.0 | 5442.4 | 6423.3 | 8455.1  | 12123.9 | 15073.3 | 12243.8 | 8283.6  | 5958.7  | 5189.3 |
| 75°   | 1725.3 | 1918.5 | 2588.0 | 4383.3  | 8120.4  | 11272.9 | 7730.7  | 3878.7  | 2050.1  | 1475.5 |
| 77.5° | 434.7  | 501.3  | 691.1  | 1254.0  | 3239.2  | 6418.4  | 2916.1  | 1024.2  | 557.9   | 389.7  |
| 80°   | 211.5  | 233.2  | 333.1  | 418.0   | 811.0   | 2040.1  | 761.1   | 393.0   | 263.1   | 203.2  |
| 82.5° | 116.6  | 118.2  | 188.2  | 236.5   | 301.4   | 527.9   | 313.1   | 229.8   | 151.5   | 123.2  |
| 85°   | 71.6   | 69.9   | 99.9   | 126.6   | 126.6   | 188.2   | 149.9   | 126.6   | 86.6    | 76.6   |
| 87.5° | 28.3   | 28.3   | 36.6   | 40.0    | 35.0    | 48.3    | 38.3    | 41.6    | 33.3    | 31.6   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |

(END C

| 90°    |
|--------|
| 3177.5 |
| 3194.2 |
| 3219.2 |
| 3249.1 |
| 3277.5 |
| 3305.8 |
| 3350.7 |
| 3405.7 |
| 3469.0 |
| 3532.3 |
| 3603.9 |
| 3702.1 |
| 3842.0 |
| 4031.9 |
| 4271.7 |
| 4564.8 |
| 4907.9 |
| 5285.9 |
| 5688.9 |
| 6083.6 |
| 6498.3 |
| 6869.7 |
| 7242.7 |
| 7665.7 |
| 8153.7 |
| 8788.2 |
| 9364.4 |
| 9196.2 |
| 7935.5 |
| 5021.1 |
| 1395.6 |
| 348.1  |
| 186.5  |
| 123.2  |
| 79.9   |
| 33.3   |
| 0.0    |

OF REPORT)