

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: P956443

Luminaire Tested: **GLAN-SB9A-835-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956443  
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-SB9A-835-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 39688 lumens  
Efficiency: N/A  
Efficacy: 155.3 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): 255.5  
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

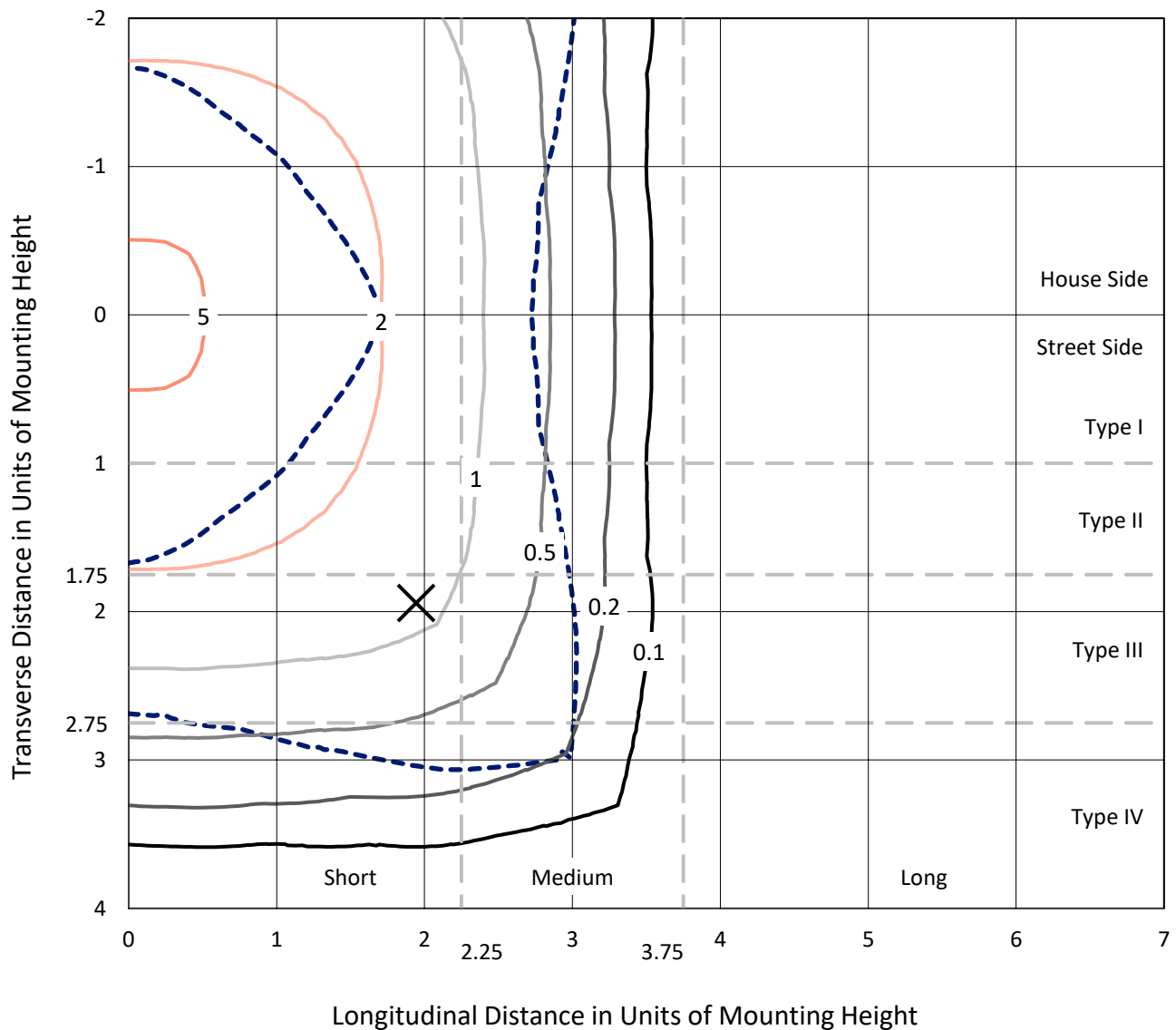


REPORT NUMBER: P956443

CATALOG NUMBER: GLAN-SB9A-835-U-5MQ

## Iso-Footcandle Lines of Horizontal Illumination

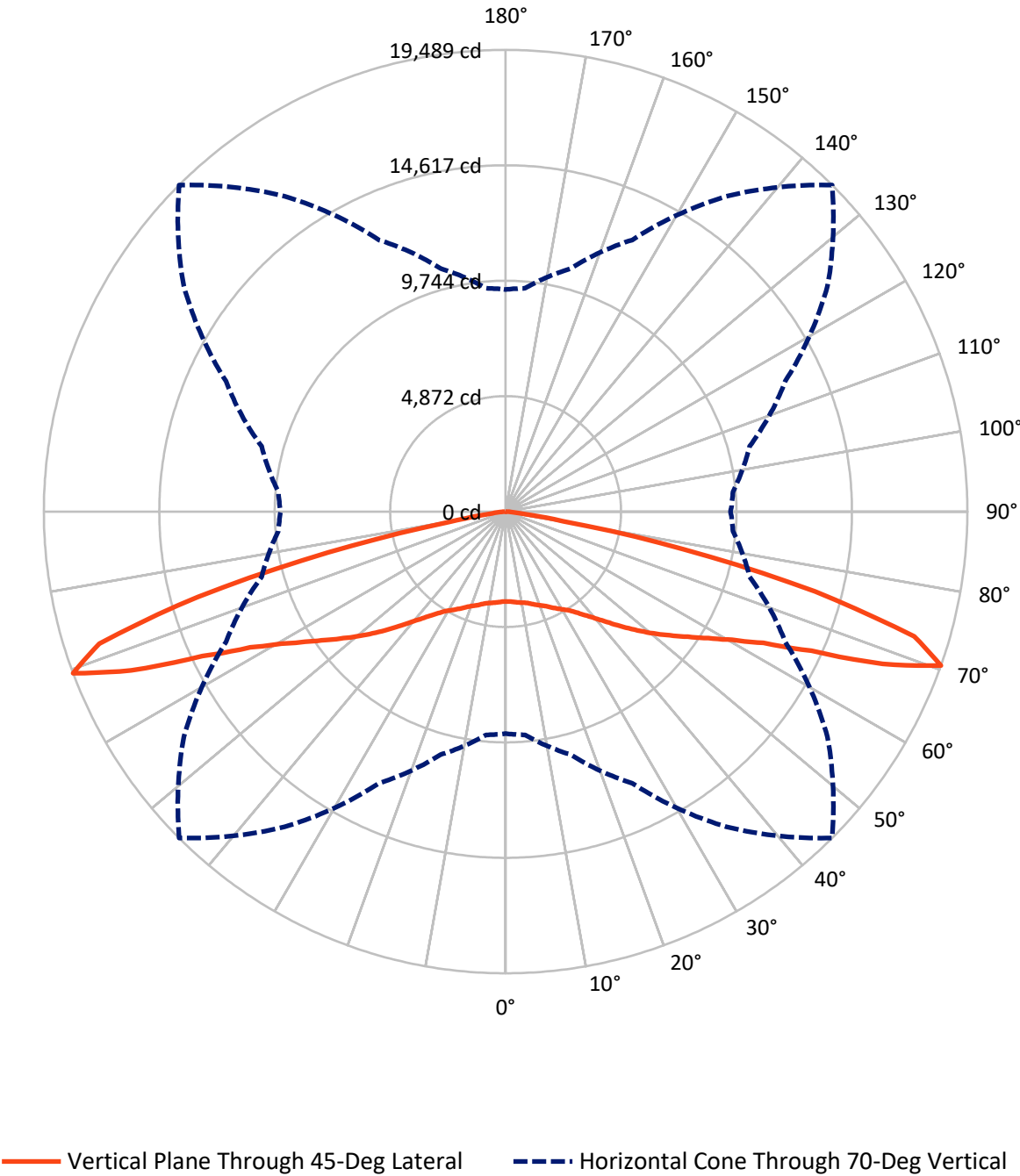
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
Type V - Short - N/A

REPORT NUMBER: P956443  
CATALOG NUMBER: GLAN-SB9A-835-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P956443

CATALOG NUMBER: GLAN-SB9A-835-U-5MQ

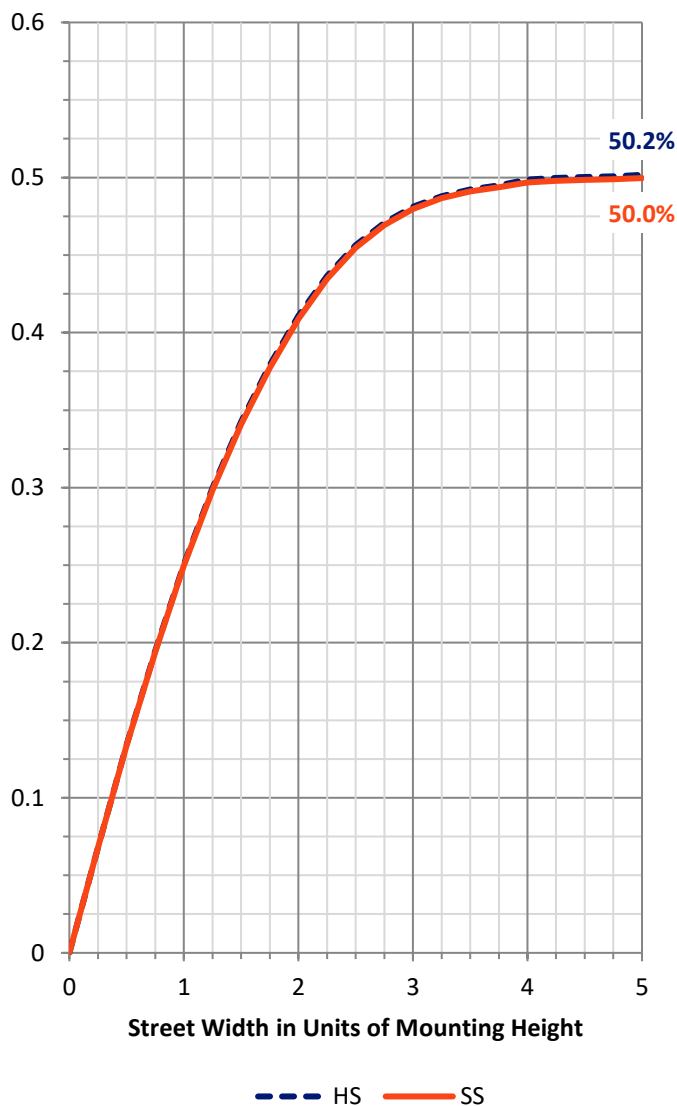
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 19844.0  | 0.0    | 19844.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 19844.0  | 0.0    | 19844.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 39688.0  | 0.0    | 39688.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 369.3   | 0.9       |
| 10°-20°   | 1145.3  | 2.9       |
| 20°-30°   | 2046.7  | 5.2       |
| 30°-40°   | 3317.7  | 8.4       |
| 40°-50°   | 5404.0  | 13.6      |
| 50°-60°   | 8239.3  | 20.8      |
| 60°-70°   | 12257.4 | 30.9      |
| 70°-80°   | 6680.7  | 16.8      |
| 80°-90°   | 227.5   | 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°    | 39688.0 | 100.0     |
| 0°-180°   | 39688.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P956443

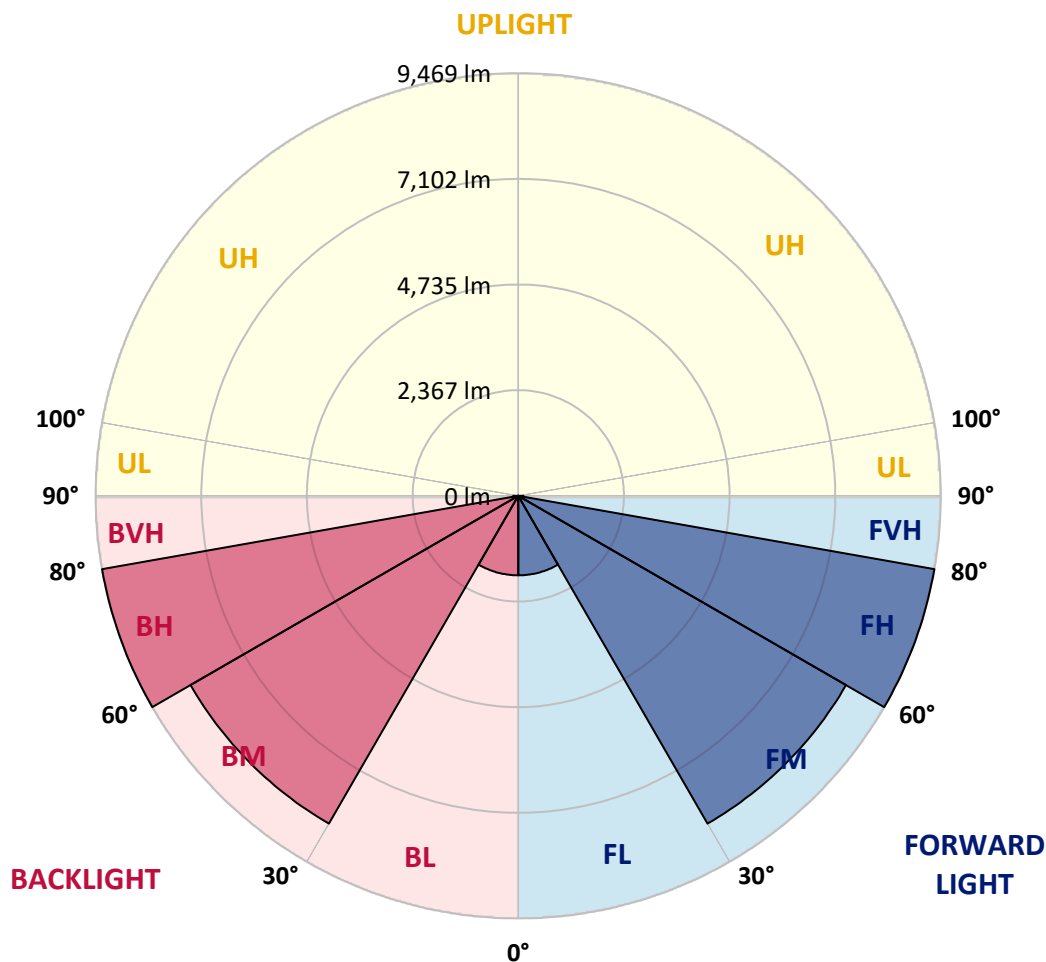
CATALOG NUMBER: GLAN-SB9A-835-U-5MQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1780.7 | 4.5       |                         |      |          |
| FM   | (30°-60°)   | 8480.5 | 21.4      |                         |      |          |
| FH   | (60°-80°)   | 9469.1 | 23.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 113.7  | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1780.7 | 4.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 8480.5 | 21.4      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 9469.1 | 23.9      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 113.7  | 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



REPORT NUMBER: P956443

CATALOG NUMBER: GLAN-SB9A-835-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  | 3801.7  |
| 2.5°  | 3819.6  | 3823.6  | 3815.6  | 3811.7  | 3807.7  | 3801.7  | 3803.7  | 3813.7  | 3821.6  | 3819.6  |
| 5°    | 3851.5  | 3855.5  | 3849.5  | 3847.5  | 3839.6  | 3837.6  | 3837.6  | 3847.5  | 3853.5  | 3849.5  |
| 7.5°  | 3887.4  | 3893.4  | 3883.4  | 3881.4  | 3877.4  | 3873.4  | 3871.4  | 3881.4  | 3887.4  | 3887.4  |
| 10°   | 3921.2  | 3927.2  | 3919.3  | 3913.3  | 3909.3  | 3909.3  | 3905.3  | 3913.3  | 3923.2  | 3921.2  |
| 12.5° | 3957.1  | 3961.1  | 3953.1  | 3949.1  | 3949.1  | 3955.1  | 3949.1  | 3953.1  | 3961.1  | 3957.1  |
| 15°   | 4001.0  | 4002.9  | 4001.0  | 4006.9  | 4016.9  | 4036.8  | 4018.9  | 4014.9  | 4018.9  | 4008.9  |
| 17.5° | 4060.7  | 4064.7  | 4072.7  | 4086.6  | 4100.6  | 4136.4  | 4104.6  | 4094.6  | 4094.6  | 4074.7  |
| 20°   | 4134.4  | 4140.4  | 4152.4  | 4176.3  | 4194.2  | 4228.1  | 4196.2  | 4182.3  | 4176.3  | 4150.4  |
| 22.5° | 4212.2  | 4222.1  | 4240.1  | 4271.9  | 4303.8  | 4335.7  | 4303.8  | 4279.9  | 4262.0  | 4228.1  |
| 25°   | 4301.8  | 4313.8  | 4341.7  | 4393.5  | 4437.3  | 4483.1  | 4445.3  | 4397.5  | 4361.6  | 4313.8  |
| 27.5° | 4429.3  | 4443.3  | 4477.2  | 4540.9  | 4596.7  | 4636.6  | 4600.7  | 4538.9  | 4489.1  | 4431.3  |
| 30°   | 4608.7  | 4622.6  | 4662.5  | 4730.2  | 4768.1  | 4794.0  | 4770.1  | 4722.2  | 4662.5  | 4596.7  |
| 32.5° | 4839.8  | 4857.7  | 4901.6  | 4965.3  | 4973.3  | 4977.3  | 4969.3  | 4945.4  | 4901.6  | 4821.9  |
| 35°   | 5132.7  | 5152.6  | 5202.4  | 5254.2  | 5246.3  | 5254.2  | 5242.3  | 5234.3  | 5202.4  | 5110.8  |
| 37.5° | 5491.3  | 5515.3  | 5567.1  | 5606.9  | 5587.0  | 5577.0  | 5579.0  | 5581.0  | 5563.1  | 5461.5  |
| 40°   | 5907.8  | 5939.7  | 5977.5  | 6019.4  | 5985.5  | 5955.6  | 5975.5  | 5991.5  | 5975.5  | 5871.9  |
| 42.5° | 6336.2  | 6382.0  | 6421.8  | 6481.6  | 6453.7  | 6415.9  | 6443.8  | 6461.7  | 6427.8  | 6316.2  |
| 45°   | 6812.4  | 6856.2  | 6908.0  | 6997.7  | 6977.8  | 6937.9  | 6977.8  | 6981.7  | 6924.0  | 6792.4  |
| 47.5° | 7304.5  | 7350.4  | 7428.1  | 7547.6  | 7539.6  | 7495.8  | 7547.6  | 7519.7  | 7446.0  | 7288.6  |
| 50°   | 7770.8  | 7834.5  | 7954.1  | 8121.5  | 8137.4  | 8083.6  | 8153.3  | 8099.5  | 7976.0  | 7778.7  |
| 52.5° | 8209.1  | 8276.9  | 8466.2  | 8693.3  | 8751.1  | 8681.3  | 8775.0  | 8681.3  | 8496.0  | 8243.0  |
| 55°   | 8669.4  | 8745.1  | 8970.3  | 9267.1  | 9382.7  | 9330.9  | 9418.6  | 9277.1  | 9014.1  | 8707.2  |
| 57.5° | 9211.4  | 9257.2  | 9526.2  | 9878.8  | 10074.1 | 10086.1 | 10125.9 | 9886.8  | 9568.0  | 9219.3  |
| 60°   | 9799.1  | 9862.9  | 10155.8 | 10578.2 | 10887.0 | 10986.7 | 10944.8 | 10590.2 | 10219.6 | 9819.1  |
| 62.5° | 10552.3 | 10622.0 | 10972.7 | 11478.8 | 11967.0 | 12214.1 | 12050.7 | 11536.6 | 11078.3 | 10598.1 |
| 65°   | 11176.0 | 11253.7 | 11887.3 | 12789.9 | 13678.5 | 14174.7 | 13764.2 | 12817.8 | 11992.9 | 11315.4 |
| 67.5° | 10723.7 | 10819.3 | 11813.6 | 13471.3 | 15681.0 | 17161.4 | 15756.7 | 13674.6 | 12058.6 | 11140.1 |
| 70°   | 9372.7  | 9462.4  | 10622.0 | 12648.4 | 16244.9 | 19488.7 | 16583.6 | 13021.0 | 10659.9 | 9631.8  |
| 72.5° | 6222.6  | 6511.5  | 7685.1  | 10115.9 | 14505.4 | 18034.2 | 14648.9 | 9910.7  | 7129.2  | 6208.6  |
| 75°   | 2064.2  | 2295.4  | 3096.4  | 5244.3  | 9715.5  | 13487.3 | 9249.2  | 4640.5  | 2452.8  | 1765.4  |
| 77.5° | 520.0   | 599.7   | 826.9   | 1500.4  | 3875.4  | 7679.1  | 3488.9  | 1225.4  | 667.5   | 466.2   |
| 80°   | 253.0   | 279.0   | 398.5   | 500.1   | 970.3   | 2440.8  | 910.6   | 470.2   | 314.8   | 243.1   |
| 82.5° | 139.5   | 141.5   | 225.2   | 282.9   | 360.6   | 631.6   | 374.6   | 275.0   | 181.3   | 147.4   |
| 85°   | 85.7    | 83.7    | 119.6   | 151.4   | 151.4   | 225.2   | 179.3   | 151.4   | 103.6   | 91.7    |
| 87.5° | 33.9    | 33.9    | 43.8    | 47.8    | 41.8    | 57.8    | 45.8    | 49.8    | 39.9    | 37.9    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3801.7  |
| 3821.6  |
| 3851.5  |
| 3887.4  |
| 3921.2  |
| 3955.1  |
| 4008.9  |
| 4074.7  |
| 4150.4  |
| 4226.1  |
| 4311.8  |
| 4429.3  |
| 4596.7  |
| 4823.9  |
| 5110.8  |
| 5461.5  |
| 5871.9  |
| 6324.2  |
| 6806.4  |
| 7278.6  |
| 7774.8  |
| 8219.1  |
| 8665.4  |
| 9171.5  |
| 9755.3  |
| 10514.4 |
| 11203.9 |
| 11002.6 |
| 9494.3  |
| 6007.4  |
| 1669.7  |
| 416.4   |
| 223.2   |
| 147.4   |
| 95.6    |
| 39.9    |
| 0.0     |