

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: P954893

Luminaire Tested: **GLAN-SB8A-735-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P954893  
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-SB8A-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 37352 lumens  
Efficiency: N/A  
Efficacy: 164.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5

Input Watts (W): 227.1  
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

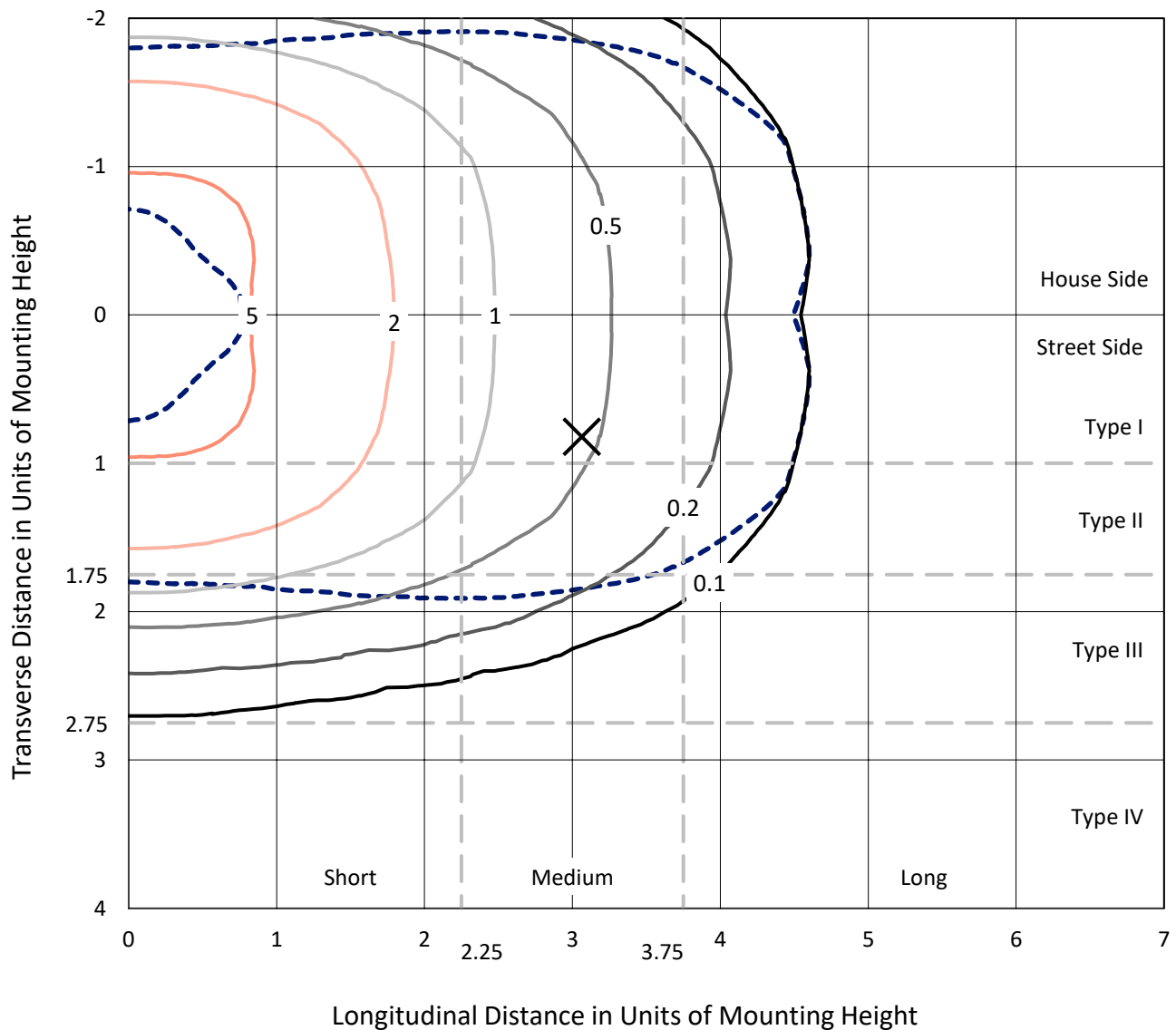


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

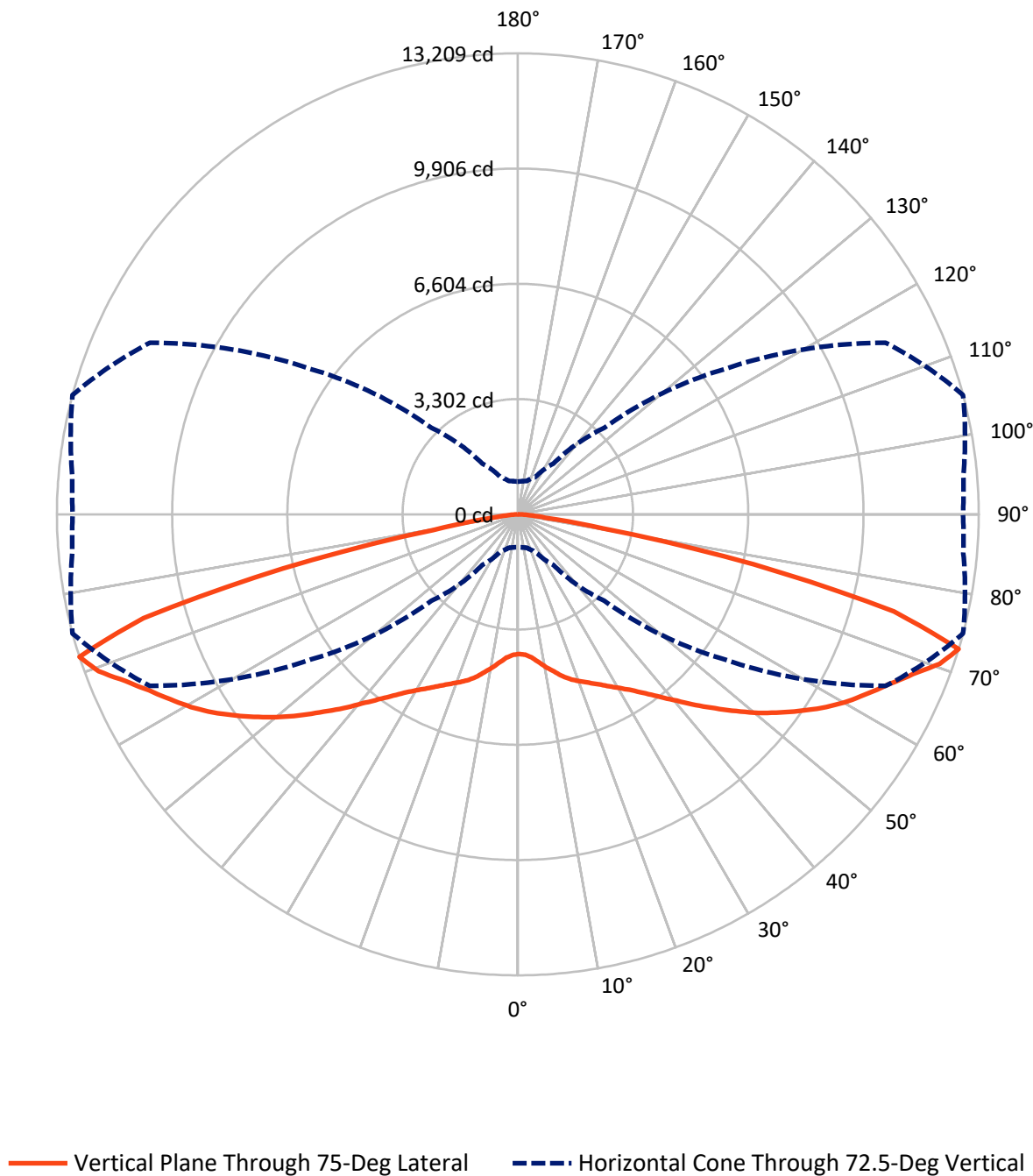


Based on 25 foot mounting height. Maximum calculated value = 7 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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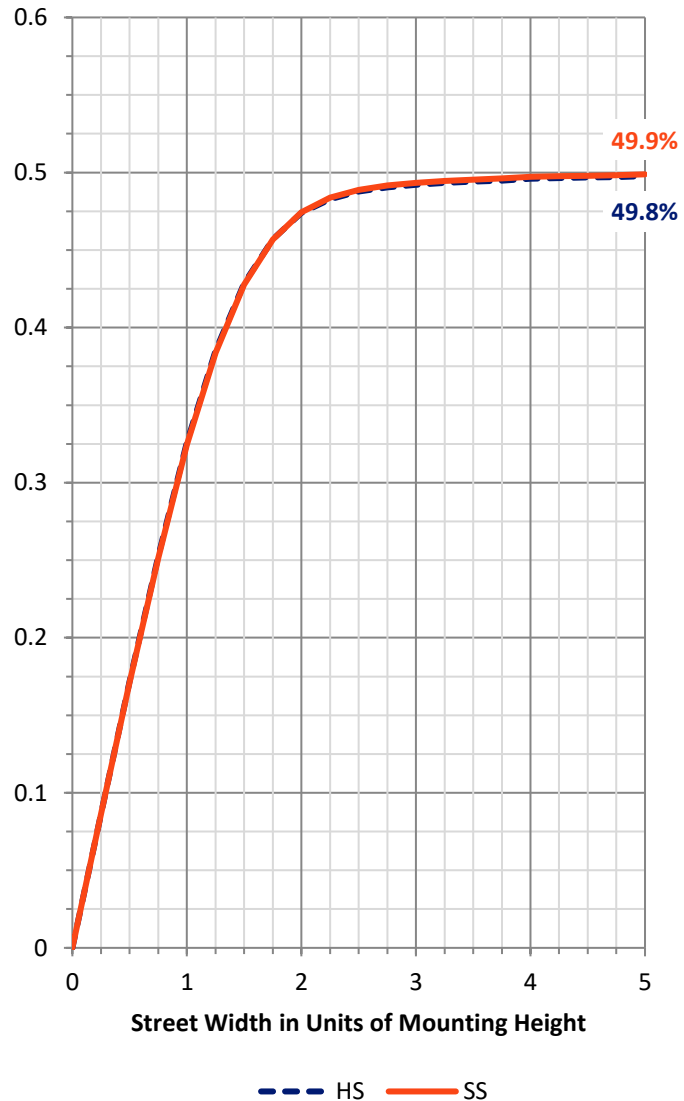
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18676.0  | 0.0    | 18676.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18676.0  | 0.0    | 18676.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 37352.0  | 0.0    | 37352.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 391.9   | 1.0       |
| 10°-20°   | 1292.7  | 3.5       |
| 20°-30°   | 2497.9  | 6.7       |
| 30°-40°   | 4217.8  | 11.3      |
| 40°-50°   | 6688.9  | 17.9      |
| 50°-60°   | 8955.7  | 24.0      |
| 60°-70°   | 8523.0  | 22.8      |
| 70°-80°   | 4447.4  | 11.9      |
| 80°-90°   | 336.6   | 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°    | 37352.0 | 100.0     |
| 0°-180°   | 37352.0 | 100.0     |

**Coefficient of Utilization**



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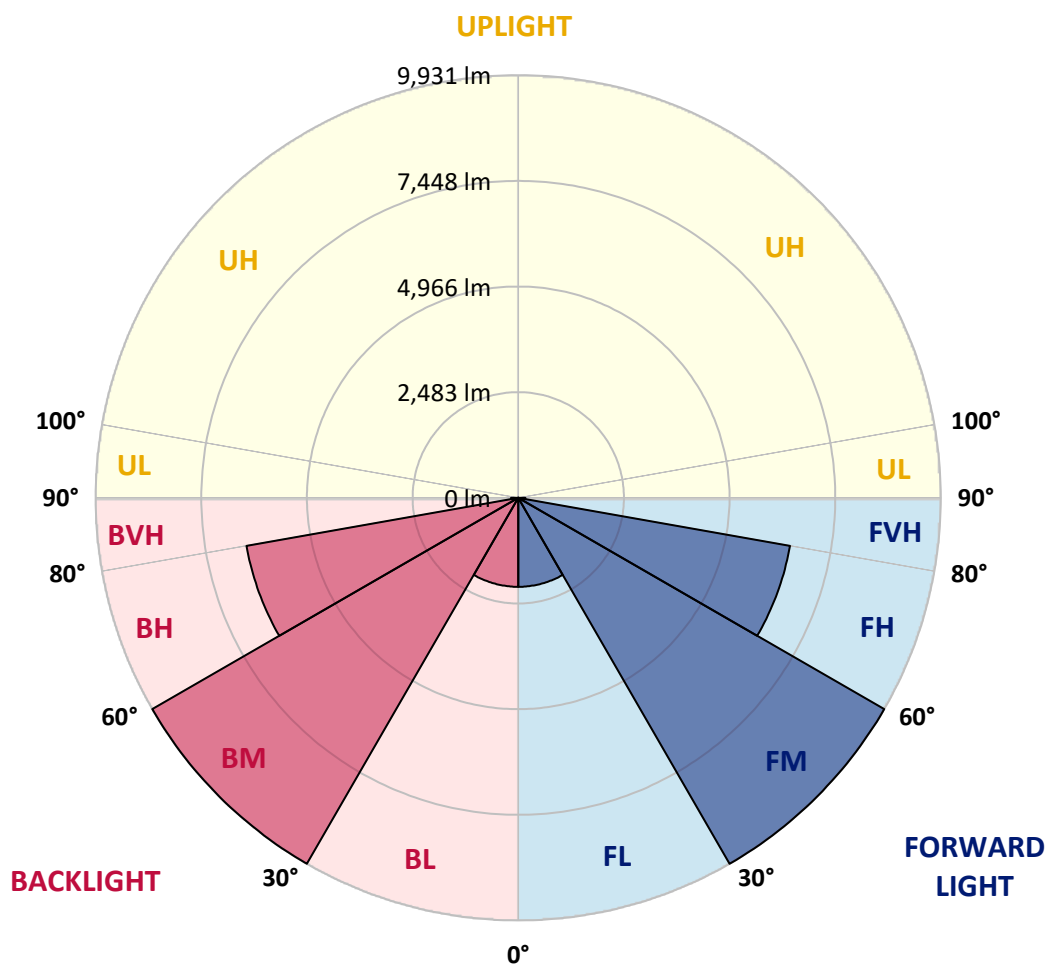
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2091.3 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 9931.2 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 6485.2 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 168.3  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2091.3 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 9931.2 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 6485.2 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 168.3  | 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°    | 4001.1 | 4001.1 | 4001.1 | 4001.1 | 4001.1  | 4001.1  | 4001.1  | 4001.1  | 4001.1  | 4001.1  |
| 2.5°  | 4001.1 | 3997.3 | 4001.1 | 4004.9 | 4003.0  | 4003.0  | 4012.5  | 4018.2  | 4029.7  | 4027.8  |
| 5°    | 3974.4 | 3972.5 | 3987.7 | 4004.9 | 4018.2  | 4041.1  | 4069.7  | 4090.7  | 4117.4  | 4123.1  |
| 7.5°  | 3961.0 | 3955.3 | 3982.0 | 4012.5 | 4054.5  | 4111.7  | 4167.0  | 4224.2  | 4270.0  | 4285.2  |
| 10°   | 3970.6 | 3972.5 | 4008.7 | 4065.9 | 4132.7  | 4212.8  | 4290.9  | 4388.2  | 4453.0  | 4468.3  |
| 12.5° | 4014.4 | 4010.6 | 4071.6 | 4163.2 | 4254.7  | 4355.8  | 4447.3  | 4554.1  | 4624.7  | 4660.9  |
| 15°   | 4094.5 | 4086.9 | 4172.7 | 4308.1 | 4441.6  | 4559.8  | 4634.2  | 4735.3  | 4817.3  | 4863.1  |
| 17.5° | 4189.9 | 4193.7 | 4306.2 | 4481.7 | 4657.1  | 4790.6  | 4861.2  | 4912.7  | 4975.6  | 5015.6  |
| 20°   | 4357.7 | 4365.3 | 4491.2 | 4699.1 | 4899.3  | 5051.9  | 5109.1  | 5090.0  | 5107.2  | 5137.7  |
| 22.5° | 4582.7 | 4586.5 | 4727.7 | 4952.7 | 5162.5  | 5330.3  | 5368.4  | 5290.3  | 5242.6  | 5263.6  |
| 25°   | 4844.0 | 4868.8 | 5009.9 | 5240.7 | 5456.2  | 5616.4  | 5633.5  | 5515.3  | 5397.1  | 5402.8  |
| 27.5° | 5162.5 | 5185.4 | 5328.4 | 5557.3 | 5776.6  | 5915.8  | 5913.9  | 5755.6  | 5582.0  | 5538.2  |
| 30°   | 5507.7 | 5532.5 | 5679.3 | 5915.8 | 6119.8  | 6241.9  | 6215.2  | 6026.4  | 5778.5  | 5696.5  |
| 32.5° | 5917.7 | 5932.9 | 6081.7 | 6318.2 | 6507.0  | 6604.2  | 6548.9  | 6316.3  | 6007.3  | 5913.9  |
| 35°   | 6413.5 | 6436.4 | 6547.0 | 6770.2 | 6936.1  | 7016.2  | 6922.7  | 6648.1  | 6301.0  | 6196.1  |
| 37.5° | 6979.9 | 6964.7 | 7090.5 | 7288.9 | 7426.2  | 7475.8  | 7348.0  | 7021.9  | 6636.7  | 6512.7  |
| 40°   | 7571.1 | 7563.5 | 7700.8 | 7891.5 | 7965.9  | 7996.4  | 7807.6  | 7451.0  | 7023.8  | 6890.3  |
| 42.5° | 8107.0 | 8101.3 | 8286.3 | 8498.0 | 8587.6  | 8553.3  | 8314.9  | 7906.8  | 7472.0  | 7319.4  |
| 45°   | 8536.1 | 8528.5 | 8755.4 | 9052.9 | 9228.4  | 9171.2  | 8850.8  | 8410.3  | 7925.9  | 7767.6  |
| 47.5° | 8866.0 | 8869.9 | 9114.0 | 9482.0 | 9789.1  | 9810.1  | 9398.1  | 8923.3  | 8425.5  | 8246.2  |
| 50°   | 9104.4 | 9115.9 | 9377.1 | 9785.3 | 10204.8 | 10389.8 | 9956.9  | 9449.6  | 8942.3  | 8740.2  |
| 52.5° | 9163.6 | 9184.5 | 9499.2 | 9977.9 | 10471.8 | 10824.6 | 10525.2 | 9955.0  | 9432.5  | 9239.8  |
| 55°   | 8848.9 | 8890.8 | 9289.4 | 9962.6 | 10635.8 | 11110.7 | 11024.9 | 10468.0 | 9926.4  | 9728.0  |
| 57.5° | 8126.1 | 8185.2 | 8650.5 | 9529.7 | 10599.6 | 11307.1 | 11412.0 | 10960.0 | 10420.3 | 10229.6 |
| 60°   | 7113.4 | 7184.0 | 7630.3 | 8589.5 | 10088.5 | 11379.6 | 11684.7 | 11438.7 | 10874.2 | 10689.2 |
| 62.5° | 5585.9 | 5677.4 | 6211.4 | 7336.6 | 9009.1  | 11042.0 | 11917.4 | 11871.6 | 11282.3 | 11051.6 |
| 65°   | 3583.4 | 3680.7 | 4243.3 | 5572.5 | 7569.2  | 10008.4 | 11989.9 | 12293.1 | 11713.3 | 11391.0 |
| 67.5° | 2160.7 | 2204.6 | 2483.0 | 3377.5 | 5532.5  | 8450.3  | 11375.8 | 12760.3 | 12216.8 | 11816.3 |
| 70°   | 1382.6 | 1407.4 | 1573.3 | 1983.4 | 3127.6  | 6165.6  | 9853.9  | 12848.0 | 12827.1 | 12253.0 |
| 72.5° | 938.3  | 945.9  | 989.8  | 1174.8 | 1769.8  | 3503.3  | 7267.9  | 11631.3 | 13208.5 | 12815.6 |
| 75°   | 686.6  | 728.5  | 799.1  | 831.5  | 1005.0  | 1750.7  | 4165.1  | 8171.9  | 11131.7 | 11303.3 |
| 77.5° | 511.1  | 513.0  | 610.3  | 648.4  | 717.1   | 932.6   | 1762.1  | 4561.8  | 6911.3  | 7256.5  |
| 80°   | 432.9  | 410.0  | 408.1  | 522.5  | 539.7   | 581.7   | 787.6   | 1575.3  | 2475.4  | 1500.9  |
| 82.5° | 360.4  | 335.6  | 303.2  | 408.1  | 368.1   | 356.6   | 341.4   | 640.8   | 787.6   | 387.1   |
| 85°   | 251.7  | 240.3  | 228.9  | 267.0  | 209.8   | 179.3   | 164.0   | 299.4   | 331.8   | 164.0   |
| 87.5° | 108.7  | 112.5  | 114.4  | 118.2  | 87.7    | 62.9    | 62.9    | 83.9    | 83.9    | 64.8    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 4001.1  |
| 4025.9  |
| 4123.1  |
| 4289.0  |
| 4483.6  |
| 4676.2  |
| 4880.2  |
| 5034.7  |
| 5160.6  |
| 5278.8  |
| 5412.3  |
| 5551.5  |
| 5706.0  |
| 5936.8  |
| 6211.4  |
| 6535.6  |
| 6934.2  |
| 7357.5  |
| 7803.8  |
| 8299.6  |
| 8801.2  |
| 9289.4  |
| 9783.4  |
| 10273.5 |
| 10729.3 |
| 11078.3 |
| 11431.1 |
| 11846.8 |
| 12249.2 |
| 12754.6 |
| 10887.6 |
| 6472.7  |
| 1134.7  |
| 329.9   |
| 144.9   |
| 47.7    |
| 0.0     |