

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: P953924

Luminaire Tested: **GLAN-SB7B-830-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953924  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7B-830-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37707 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 256.7  
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

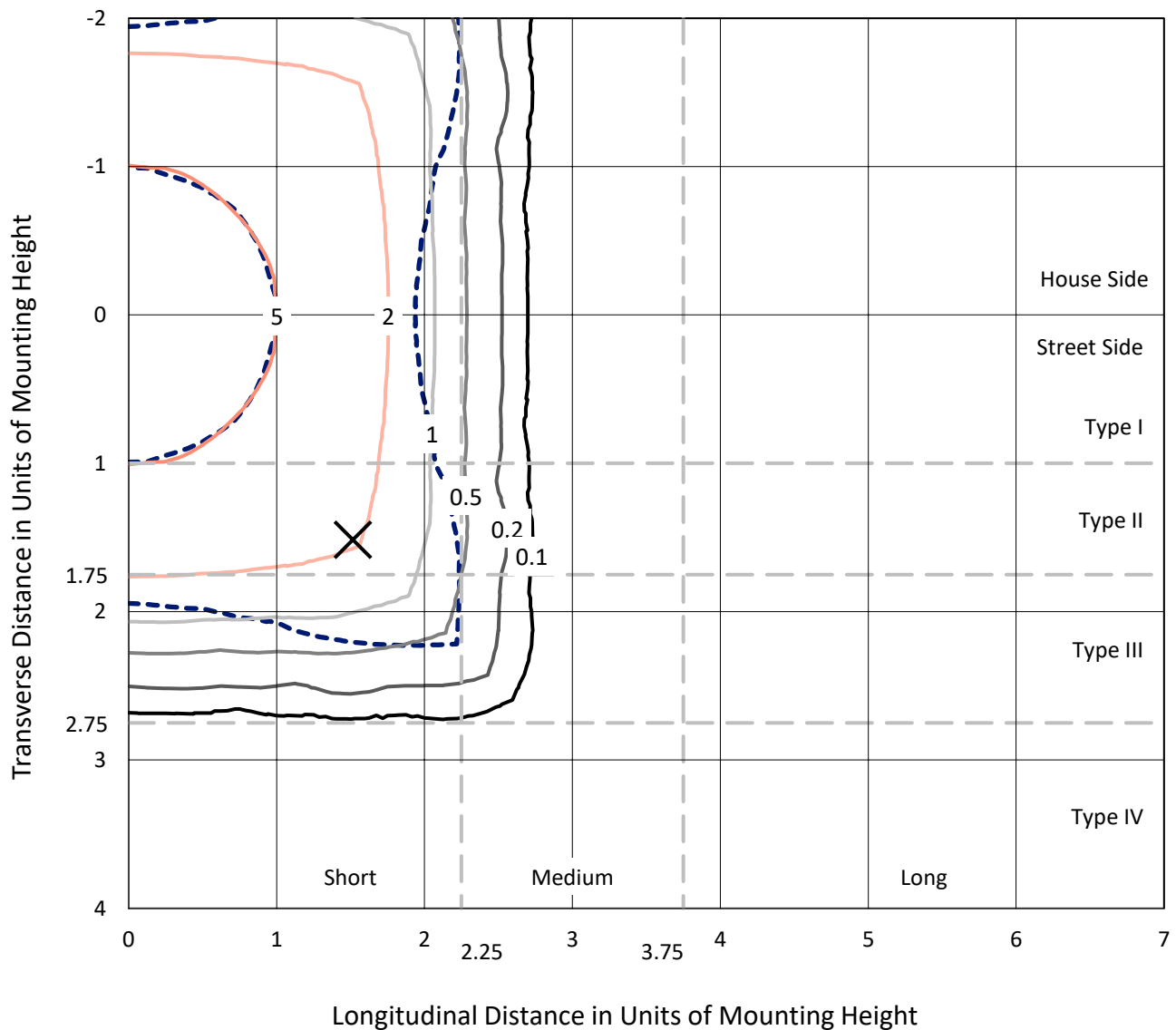


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

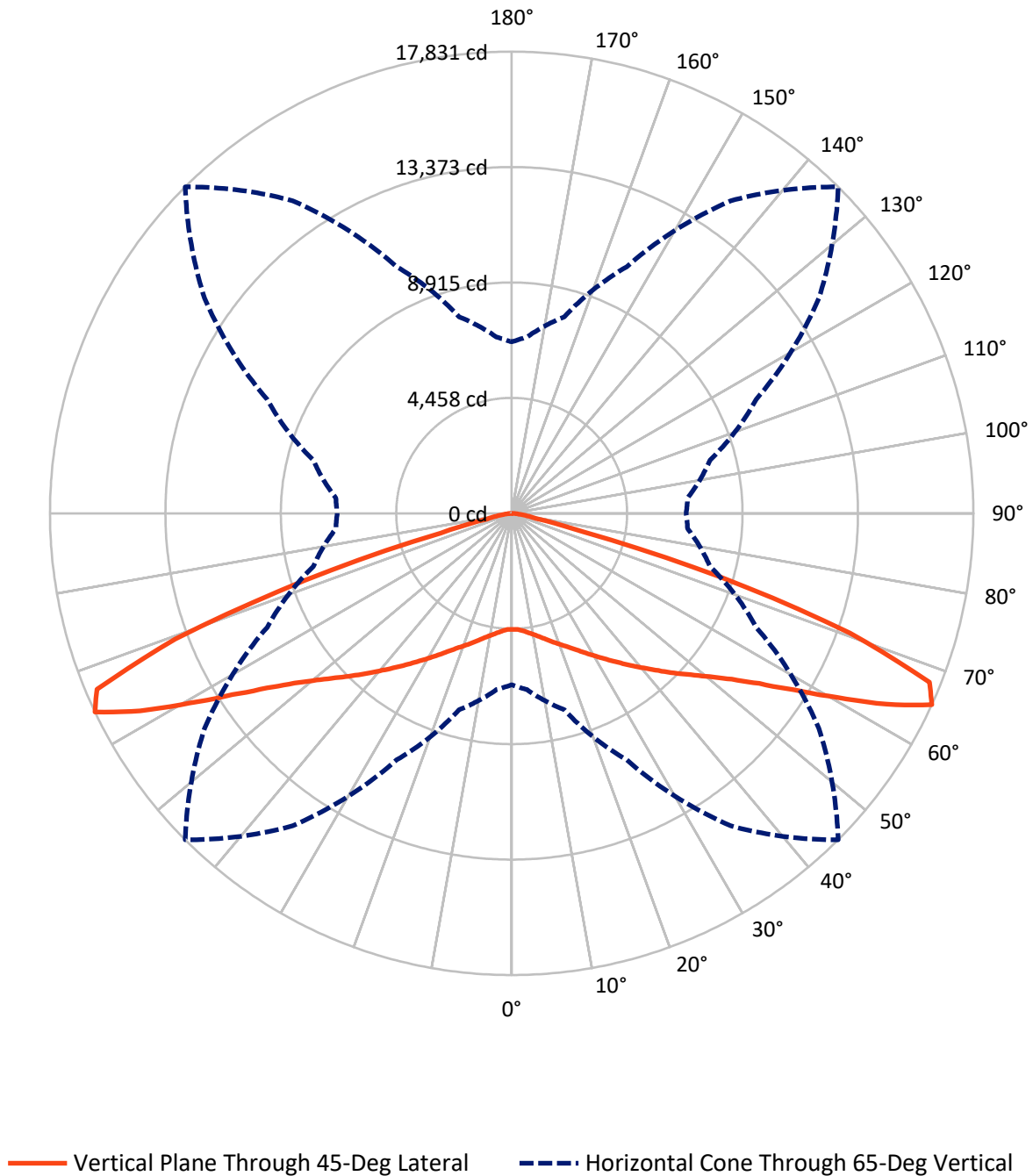


Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
Type V - Short - N/A

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## Luminous Intensity Polar Plot



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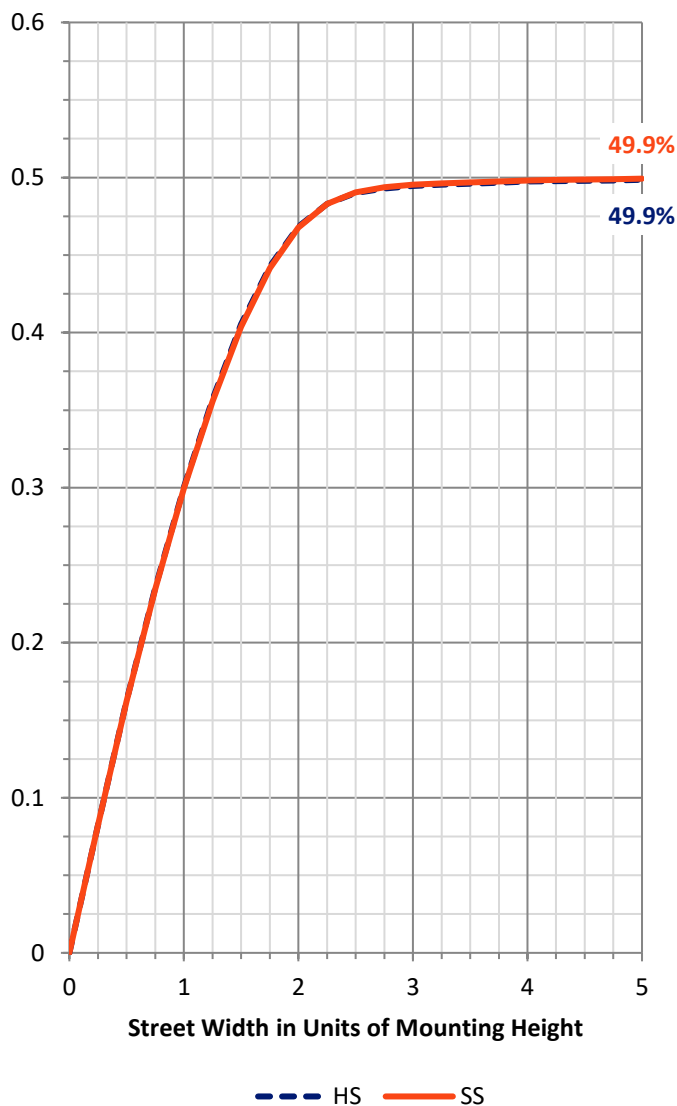
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18853.5  | 0.0    | 18853.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18853.5  | 0.0    | 18853.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 37707.0  | 0.0    | 37707.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 442.9   | 1.2       |
| 10°-20°   | 1445.1  | 3.8       |
| 20°-30°   | 2728.6  | 7.2       |
| 30°-40°   | 4467.9  | 11.8      |
| 40°-50°   | 6927.6  | 18.4      |
| 50°-60°   | 10233.5 | 27.1      |
| 60°-70°   | 9741.3  | 25.8      |
| 70°-80°   | 1571.9  | 4.2       |
| 80°-90°   | 148.2   | 0.4       |
| 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°    | 37707.0 | 100.0     |
| 0°-180°   | 37707.0 | 100.0     |

**Coefficient of Utilization**



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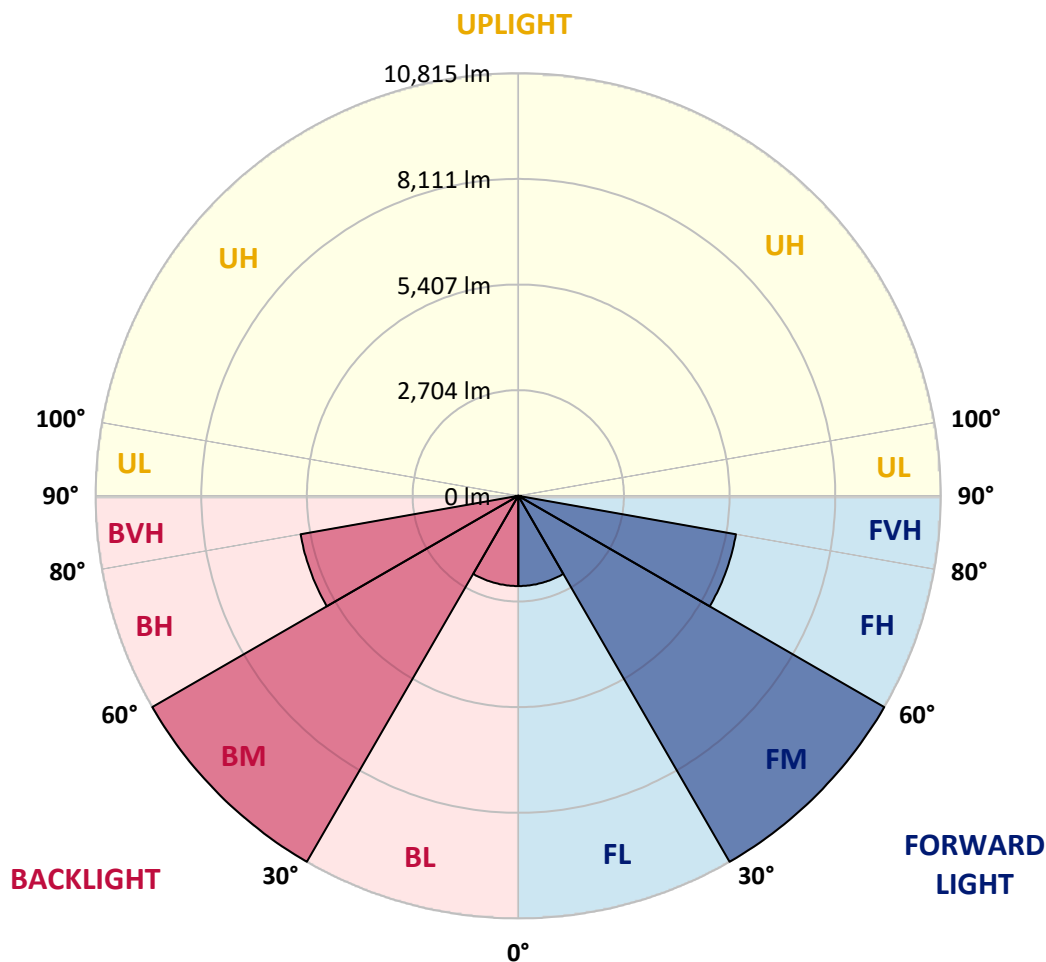
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2308.3  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 10814.5 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 5656.6  | 15.0      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 74.1    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2308.3  | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 10814.5 | 28.7      | B5                      |      |         |
| BH   | (60°-80°)   | 5656.6  | 15.0      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 74.1    | 0.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  | 4487.5  |
| 2.5°  | 4517.8  | 4502.6  | 4514.0  | 4504.5  | 4497.0  | 4489.4  | 4493.2  | 4506.4  | 4512.1  | 4514.0  |
| 5°    | 4578.3  | 4565.1  | 4570.8  | 4570.8  | 4557.5  | 4553.7  | 4555.6  | 4565.1  | 4576.4  | 4576.4  |
| 7.5°  | 4676.7  | 4663.5  | 4676.7  | 4669.1  | 4657.8  | 4654.0  | 4652.1  | 4659.7  | 4676.7  | 4676.7  |
| 10°   | 4795.9  | 4780.7  | 4788.3  | 4784.5  | 4771.3  | 4765.6  | 4763.7  | 4775.1  | 4790.2  | 4788.3  |
| 12.5° | 4926.4  | 4909.4  | 4918.9  | 4907.5  | 4903.7  | 4898.0  | 4898.0  | 4896.2  | 4905.6  | 4898.0  |
| 15°   | 5072.1  | 5060.7  | 5064.5  | 5057.0  | 5062.6  | 5058.9  | 5043.7  | 5036.2  | 5039.9  | 5028.6  |
| 17.5° | 5244.3  | 5217.8  | 5231.0  | 5227.2  | 5227.2  | 5234.8  | 5210.2  | 5200.7  | 5208.3  | 5197.0  |
| 20°   | 5442.9  | 5416.4  | 5422.1  | 5414.5  | 5405.1  | 5412.6  | 5382.4  | 5389.9  | 5395.6  | 5388.0  |
| 22.5° | 5660.5  | 5626.4  | 5624.5  | 5628.3  | 5607.5  | 5609.4  | 5588.6  | 5607.5  | 5618.8  | 5598.0  |
| 25°   | 5883.7  | 5847.8  | 5872.4  | 5862.9  | 5836.4  | 5842.1  | 5827.0  | 5845.9  | 5855.3  | 5828.8  |
| 27.5° | 6120.2  | 6095.6  | 6118.3  | 6124.0  | 6091.8  | 6114.5  | 6091.8  | 6108.8  | 6118.3  | 6078.6  |
| 30°   | 6396.4  | 6371.8  | 6392.6  | 6407.8  | 6369.9  | 6405.9  | 6386.9  | 6398.3  | 6400.2  | 6352.9  |
| 32.5° | 6697.2  | 6659.4  | 6712.3  | 6719.9  | 6678.3  | 6721.8  | 6697.2  | 6712.3  | 6721.8  | 6657.5  |
| 35°   | 7064.2  | 7016.9  | 7077.5  | 7068.0  | 7032.1  | 7068.0  | 7045.3  | 7068.0  | 7090.7  | 7013.2  |
| 37.5° | 7459.6  | 7410.4  | 7474.8  | 7457.7  | 7423.7  | 7448.3  | 7435.0  | 7450.2  | 7486.1  | 7402.9  |
| 40°   | 7894.8  | 7834.2  | 7921.2  | 7891.0  | 7858.8  | 7855.0  | 7862.6  | 7872.1  | 7919.4  | 7826.7  |
| 42.5° | 8360.2  | 8295.8  | 8426.4  | 8379.1  | 8333.7  | 8303.4  | 8328.0  | 8346.9  | 8392.3  | 8288.3  |
| 45°   | 8891.8  | 8818.0  | 8988.3  | 8931.5  | 8859.6  | 8797.2  | 8836.9  | 8865.3  | 8931.5  | 8806.6  |
| 47.5° | 9478.3  | 9395.0  | 9576.6  | 9559.6  | 9442.3  | 9306.1  | 9396.9  | 9478.3  | 9527.4  | 9376.1  |
| 50°   | 10051.5 | 9987.2  | 10225.5 | 10246.4 | 10102.6 | 9911.5  | 10038.2 | 10161.2 | 10174.5 | 9975.8  |
| 52.5° | 10588.8 | 10524.5 | 10870.7 | 11001.2 | 10872.6 | 10645.5 | 10779.9 | 10904.7 | 10804.5 | 10547.2 |
| 55°   | 11018.2 | 10965.3 | 11406.1 | 11742.8 | 11786.3 | 11599.0 | 11678.5 | 11674.7 | 11345.5 | 10950.1 |
| 57.5° | 11122.3 | 11114.7 | 11670.9 | 12384.2 | 12838.2 | 12860.9 | 12703.9 | 12302.8 | 11593.4 | 11061.8 |
| 60°   | 10649.3 | 10696.6 | 11460.9 | 12719.0 | 13929.8 | 14433.1 | 13753.9 | 12609.3 | 11311.5 | 10573.6 |
| 62.5° | 9234.2  | 9359.1  | 10280.4 | 12310.4 | 14811.4 | 16241.7 | 14595.8 | 12143.9 | 10153.7 | 9190.7  |
| 65°   | 6617.8  | 6835.3  | 7853.1  | 10505.5 | 14732.0 | 17830.9 | 14474.7 | 10420.4 | 7928.8  | 6818.3  |
| 67.5° | 3002.4  | 3223.7  | 4088.3  | 7192.9  | 12806.1 | 17399.5 | 12775.8 | 7268.6  | 4292.6  | 3235.1  |
| 70°   | 1087.8  | 1125.7  | 1403.8  | 2879.4  | 8184.2  | 13863.6 | 8534.2  | 2900.2  | 1492.7  | 1199.4  |
| 72.5° | 658.4   | 664.0   | 722.7   | 1031.1  | 2843.5  | 8416.9  | 2964.6  | 1065.1  | 737.8   | 654.6   |
| 75°   | 418.1   | 414.3   | 514.6   | 630.0   | 1008.4  | 2839.7  | 1057.6  | 630.0   | 512.7   | 467.3   |
| 77.5° | 300.8   | 310.3   | 368.9   | 471.1   | 635.7   | 963.0   | 624.3   | 450.3   | 368.9   | 302.7   |
| 80°   | 225.1   | 230.8   | 268.6   | 367.0   | 446.5   | 599.7   | 397.3   | 333.0   | 278.1   | 189.2   |
| 82.5° | 162.7   | 162.7   | 175.9   | 266.8   | 272.4   | 323.5   | 215.7   | 234.6   | 183.5   | 134.3   |
| 85°   | 96.5    | 94.6    | 109.7   | 158.9   | 141.9   | 119.2   | 98.4    | 143.8   | 115.4   | 83.2    |
| 87.5° | 34.1    | 35.9    | 34.1    | 45.4    | 37.8    | 32.2    | 30.3    | 39.7    | 32.2    | 28.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 4487.5  |
| 4514.0  |
| 4576.4  |
| 4671.0  |
| 4784.5  |
| 4901.8  |
| 5030.5  |
| 5206.4  |
| 5405.1  |
| 5618.8  |
| 5859.1  |
| 6108.8  |
| 6381.3  |
| 6701.0  |
| 7060.5  |
| 7454.0  |
| 7856.9  |
| 8343.1  |
| 8871.0  |
| 9427.2  |
| 10000.4 |
| 10554.7 |
| 10963.4 |
| 11027.7 |
| 10486.6 |
| 9133.9  |
| 6736.9  |
| 3187.8  |
| 1184.3  |
| 665.9   |
| 471.1   |
| 308.4   |
| 194.9   |
| 134.3   |
| 81.4    |
| 26.5    |
| 0.0     |