

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: P944120

Luminaire Tested: **GLAN-SB8D-935-U-5WQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P944120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-935-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 57901 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 584.9  
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



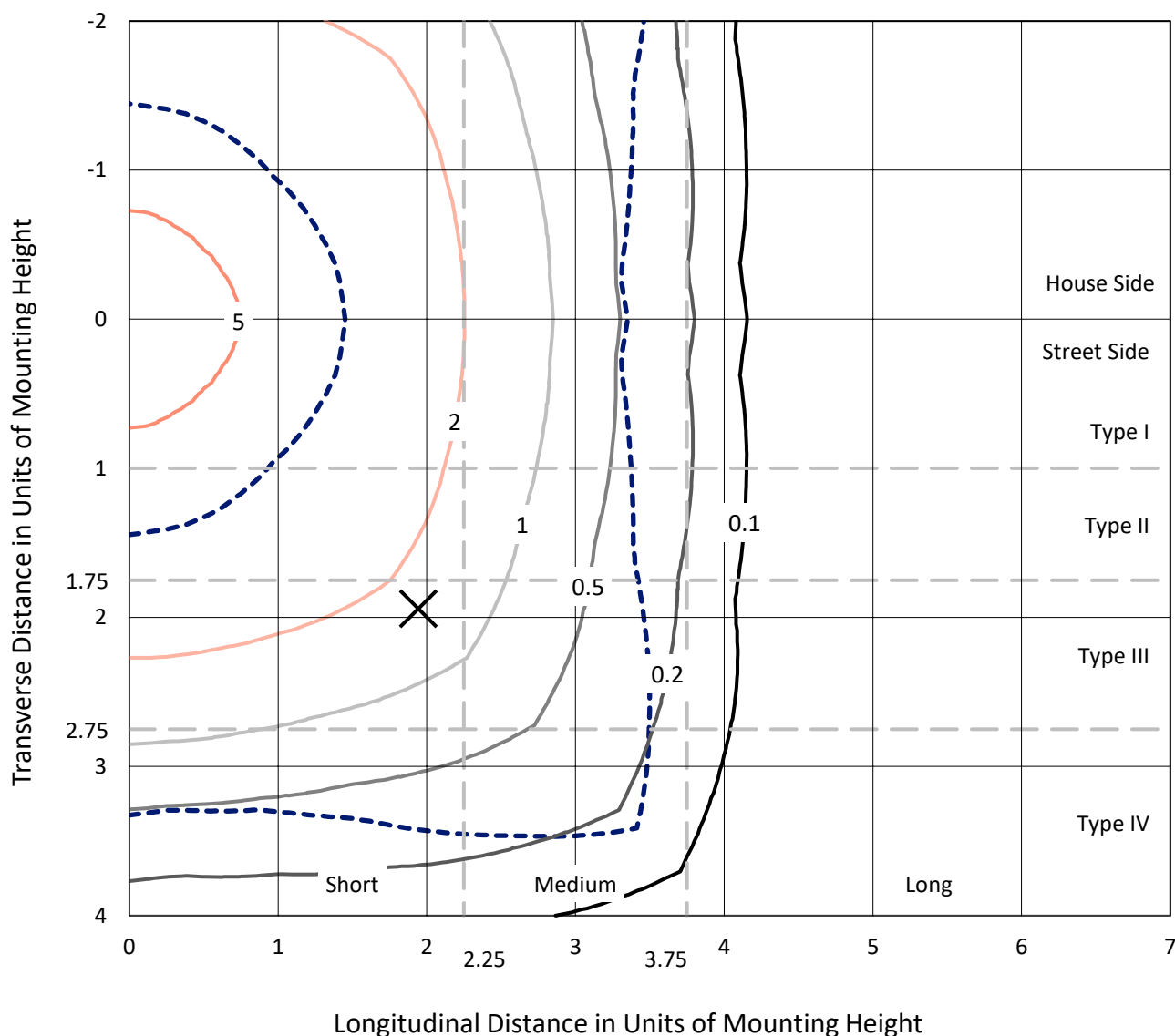
REPORT NUMBER: P944120

CATALOG NUMBER: GLAN-SB8D-935-U-5WQ

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

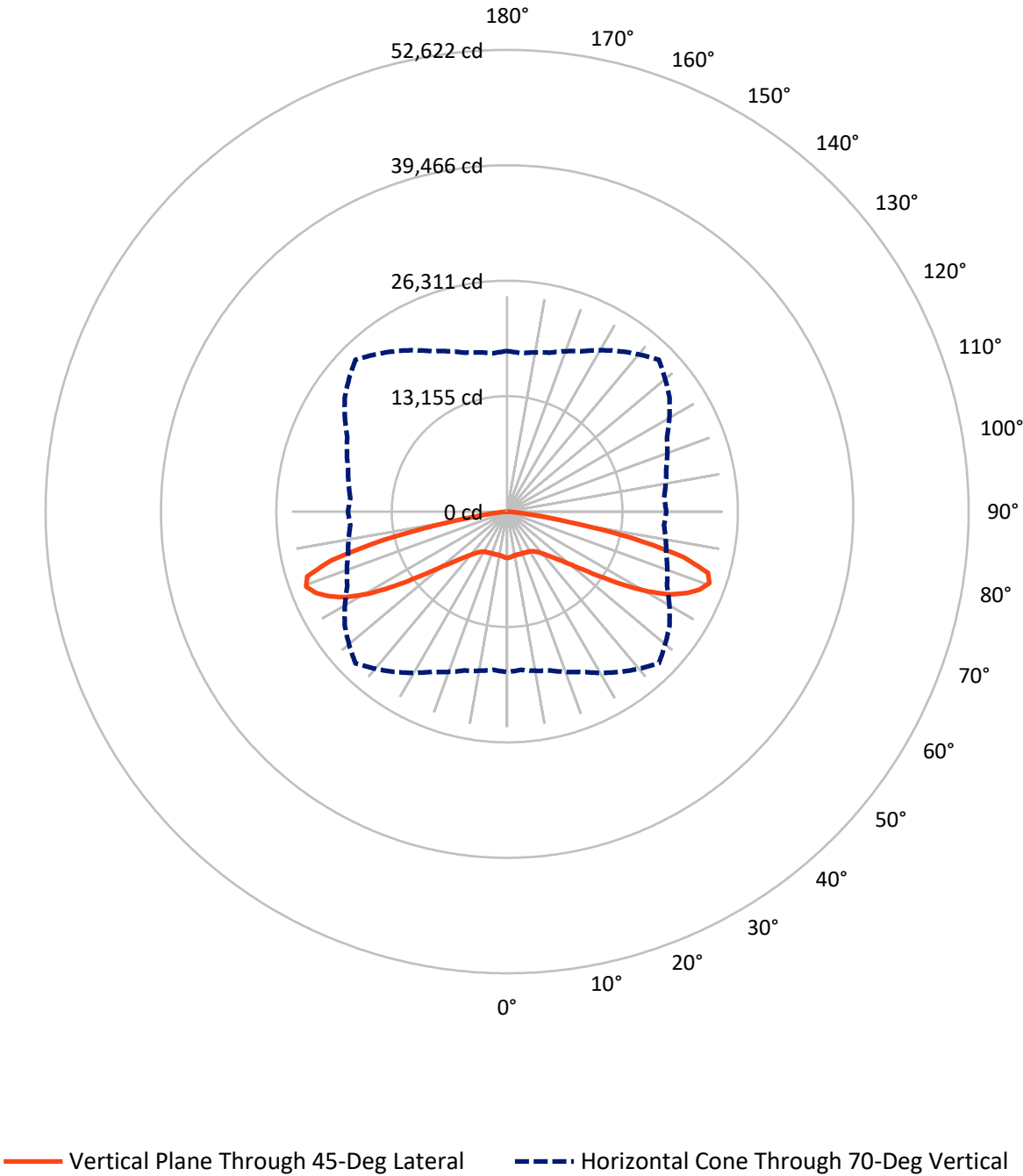


Based on 25 foot mounting height. Maximum calculated value = 8.5 fc

Type V - Short - N/A

REPORT NUMBER: P944120  
CATALOG NUMBER: GLAN-SB8D-935-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P944120

CATALOG NUMBER: GLAN-SB8D-935-U-5WQ

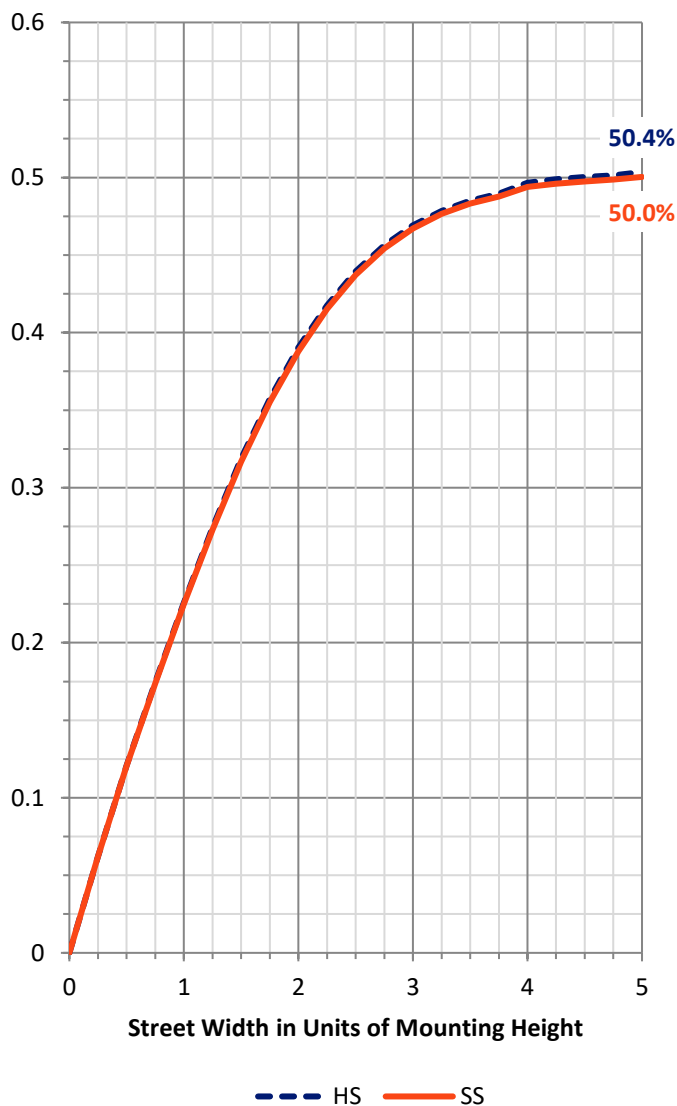
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 28950.5  | 0.0    | 28950.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 28950.5  | 0.0    | 28950.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 57901.0  | 0.0    | 57901.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 491.3   | 0.8       |
| 10°-20°   | 1442.7  | 2.5       |
| 20°-30°   | 2400.8  | 4.1       |
| 30°-40°   | 3630.7  | 6.3       |
| 40°-50°   | 6033.4  | 10.4      |
| 50°-60°   | 11384.8 | 19.7      |
| 60°-70°   | 19223.6 | 33.2      |
| 70°-80°   | 12631.9 | 21.8      |
| 80°-90°   | 661.8   | 1.1       |
| 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°    | 57901.0 | 100.0     |
| 0°-180°   | 57901.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P944120

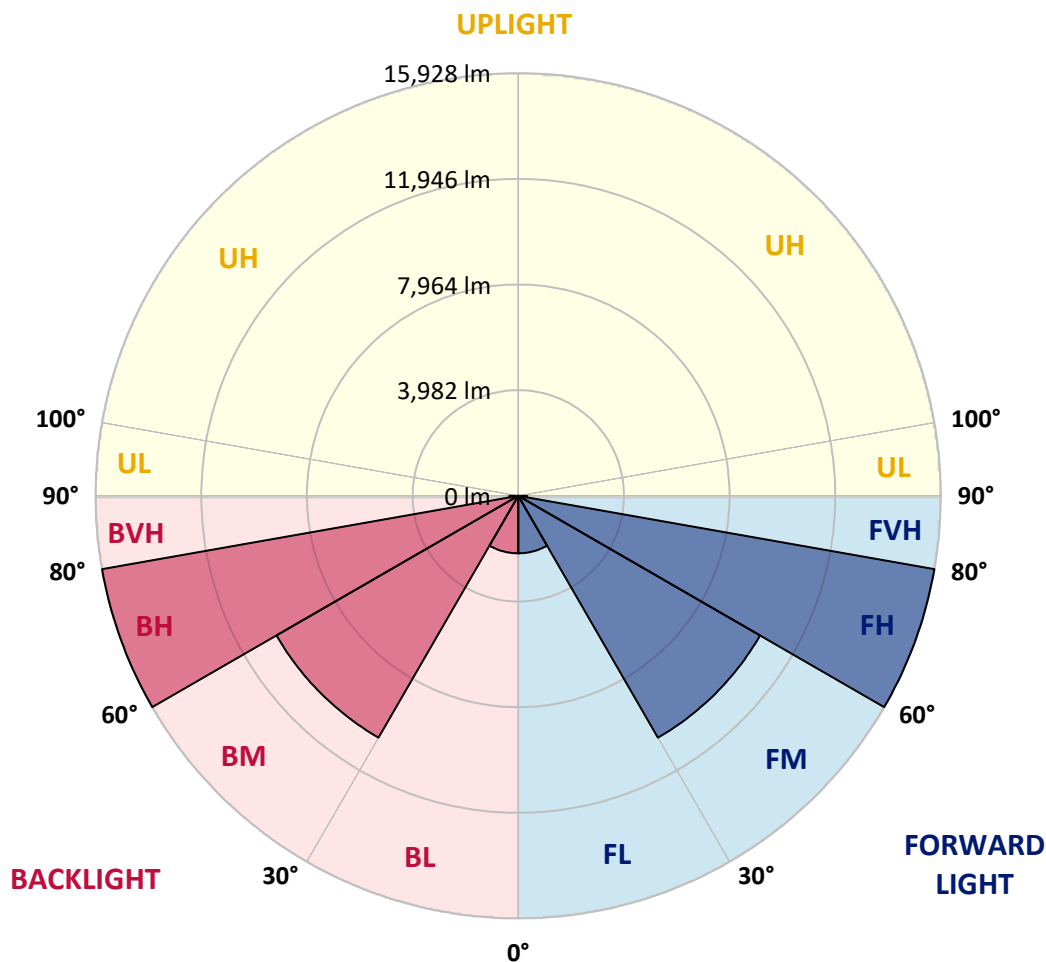
CATALOG NUMBER: GLAN-SB8D-935-U-5WQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2167.4  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 10524.4 | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 15927.8 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 330.9   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 2167.4  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 10524.4 | 18.2      | B5                      |      |        |
| BH   | (60°-80°)   | 15927.8 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 330.9   | 0.6       |                         |      | G3/500 |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G5**

Type V Short



REPORT NUMBER: P944120

CATALOG NUMBER: GLAN-SB8D-935-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  | 5281.7  |
| 2.5°  | 5248.6  | 5263.7  | 5257.7  | 5245.6  | 5245.6  | 5236.6  | 5245.6  | 5251.6  | 5260.7  | 5266.7  |
| 5°    | 5179.4  | 5191.5  | 5188.4  | 5179.4  | 5182.4  | 5173.4  | 5179.4  | 5188.4  | 5194.5  | 5197.5  |
| 7.5°  | 5119.2  | 5131.3  | 5125.2  | 5110.2  | 5110.2  | 5101.2  | 5104.2  | 5113.2  | 5122.2  | 5125.2  |
| 10°   | 5104.2  | 5116.2  | 5098.2  | 5074.1  | 5065.1  | 5053.0  | 5056.0  | 5065.1  | 5083.1  | 5092.1  |
| 12.5° | 5110.2  | 5119.2  | 5101.2  | 5065.1  | 5056.0  | 5044.0  | 5044.0  | 5053.0  | 5077.1  | 5089.1  |
| 15°   | 5128.3  | 5137.3  | 5110.2  | 5071.1  | 5062.0  | 5053.0  | 5050.0  | 5062.0  | 5089.1  | 5110.2  |
| 17.5° | 5161.4  | 5170.4  | 5128.3  | 5074.1  | 5062.0  | 5065.1  | 5062.0  | 5071.1  | 5113.2  | 5152.3  |
| 20°   | 5191.5  | 5197.5  | 5140.3  | 5074.1  | 5062.0  | 5065.1  | 5062.0  | 5080.1  | 5134.3  | 5188.4  |
| 22.5° | 5200.5  | 5206.5  | 5152.3  | 5095.1  | 5086.1  | 5089.1  | 5086.1  | 5104.2  | 5155.3  | 5209.5  |
| 25°   | 5203.5  | 5212.5  | 5170.4  | 5125.2  | 5140.3  | 5146.3  | 5140.3  | 5143.3  | 5182.4  | 5230.6  |
| 27.5° | 5248.6  | 5260.7  | 5221.5  | 5182.4  | 5191.5  | 5188.4  | 5197.5  | 5206.5  | 5236.6  | 5284.7  |
| 30°   | 5341.9  | 5351.0  | 5317.9  | 5278.7  | 5272.7  | 5251.6  | 5278.7  | 5308.8  | 5341.9  | 5384.1  |
| 32.5° | 5495.4  | 5513.5  | 5471.3  | 5429.2  | 5402.1  | 5390.1  | 5411.1  | 5462.3  | 5507.5  | 5552.6  |
| 35°   | 5751.2  | 5763.3  | 5724.1  | 5645.9  | 5597.7  | 5597.7  | 5615.8  | 5682.0  | 5754.2  | 5811.4  |
| 37.5° | 6112.4  | 6127.4  | 6058.2  | 5964.9  | 5892.7  | 5892.7  | 5916.7  | 5986.0  | 6094.3  | 6175.6  |
| 40°   | 6551.8  | 6572.8  | 6485.6  | 6389.2  | 6320.0  | 6308.0  | 6338.1  | 6416.3  | 6518.7  | 6621.0  |
| 42.5° | 7081.4  | 7105.5  | 6991.2  | 6906.9  | 6852.7  | 6852.7  | 6867.8  | 6940.0  | 7033.3  | 7159.7  |
| 45°   | 7758.6  | 7800.7  | 7644.2  | 7560.0  | 7508.8  | 7520.8  | 7529.9  | 7593.1  | 7677.3  | 7821.8  |
| 47.5° | 8565.1  | 8607.3  | 8441.8  | 8354.5  | 8345.4  | 8402.6  | 8366.5  | 8411.7  | 8456.8  | 8622.3  |
| 50°   | 9480.0  | 9552.3  | 9437.9  | 9431.9  | 9449.9  | 9555.3  | 9471.0  | 9495.1  | 9443.9  | 9549.3  |
| 52.5° | 10599.6 | 10704.9 | 10683.9 | 10720.0 | 10921.6 | 11138.3 | 10945.7 | 10861.4 | 10668.8 | 10701.9 |
| 55°   | 11956.9 | 12116.4 | 12146.5 | 12363.2 | 12820.6 | 13263.0 | 12853.7 | 12513.7 | 12104.4 | 12029.1 |
| 57.5° | 13500.8 | 13627.2 | 13771.6 | 14214.0 | 15068.8 | 15854.2 | 15068.8 | 14316.4 | 13672.3 | 13518.8 |
| 60°   | 15162.0 | 15318.5 | 15457.0 | 16110.1 | 17380.1 | 18484.6 | 17356.0 | 16161.2 | 15309.5 | 15101.9 |
| 62.5° | 16946.7 | 17148.3 | 17244.6 | 17969.9 | 19450.6 | 20768.8 | 19471.7 | 18024.1 | 17079.1 | 16856.4 |
| 65°   | 18659.1 | 18824.7 | 18933.0 | 19706.4 | 21120.9 | 22442.1 | 21217.2 | 19790.7 | 18818.6 | 18526.7 |
| 67.5° | 19456.7 | 19546.9 | 19811.8 | 20687.6 | 22180.3 | 23688.1 | 22433.1 | 20780.9 | 19694.4 | 19182.8 |
| 70°   | 18289.0 | 18105.4 | 18743.4 | 20145.8 | 22306.7 | 24452.5 | 22595.6 | 20103.7 | 18773.5 | 17942.9 |
| 72.5° | 14132.8 | 13816.8 | 14924.3 | 17322.9 | 20862.1 | 23964.9 | 21006.6 | 17458.3 | 15613.5 | 13928.1 |
| 75°   | 7689.4  | 7331.2  | 8860.1  | 11893.7 | 16636.7 | 20771.8 | 17018.9 | 12233.8 | 9865.3  | 7632.2  |
| 77.5° | 2169.9  | 2034.4  | 3268.4  | 5754.2  | 10006.7 | 14584.2 | 10391.9 | 5880.6  | 3876.3  | 2299.3  |
| 80°   | 665.1   | 644.0   | 872.8   | 1733.5  | 4249.5  | 6985.1  | 4083.9  | 1754.6  | 1110.5  | 701.2   |
| 82.5° | 394.2   | 361.1   | 433.4   | 632.0   | 1083.4  | 2194.0  | 1053.3  | 659.1   | 529.7   | 355.1   |
| 85°   | 225.7   | 210.7   | 255.8   | 307.0   | 364.2   | 466.5   | 304.0   | 313.0   | 282.9   | 189.6   |
| 87.5° | 93.3    | 84.3    | 99.3    | 96.3    | 84.3    | 108.3   | 81.3    | 96.3    | 114.4   | 75.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 5281.7  |
| 5263.7  |
| 5197.5  |
| 5125.2  |
| 5092.1  |
| 5092.1  |
| 5113.2  |
| 5152.3  |
| 5191.5  |
| 5209.5  |
| 5227.6  |
| 5272.7  |
| 5375.0  |
| 5534.5  |
| 5790.3  |
| 6145.5  |
| 6587.9  |
| 7150.7  |
| 7815.8  |
| 8574.2  |
| 9486.1  |
| 10590.6 |
| 11911.7 |
| 13410.5 |
| 14921.3 |
| 16675.8 |
| 18382.3 |
| 19188.8 |
| 18141.5 |
| 14346.5 |
| 8128.8  |
| 2555.1  |
| 740.3   |
| 385.2   |
| 198.6   |
| 69.2    |
| 0.0     |

OF REPORT)