

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: P950249

Luminaire Tested: **GLAN-SB4D-735-U-5NQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P950249  
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-SB4D-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

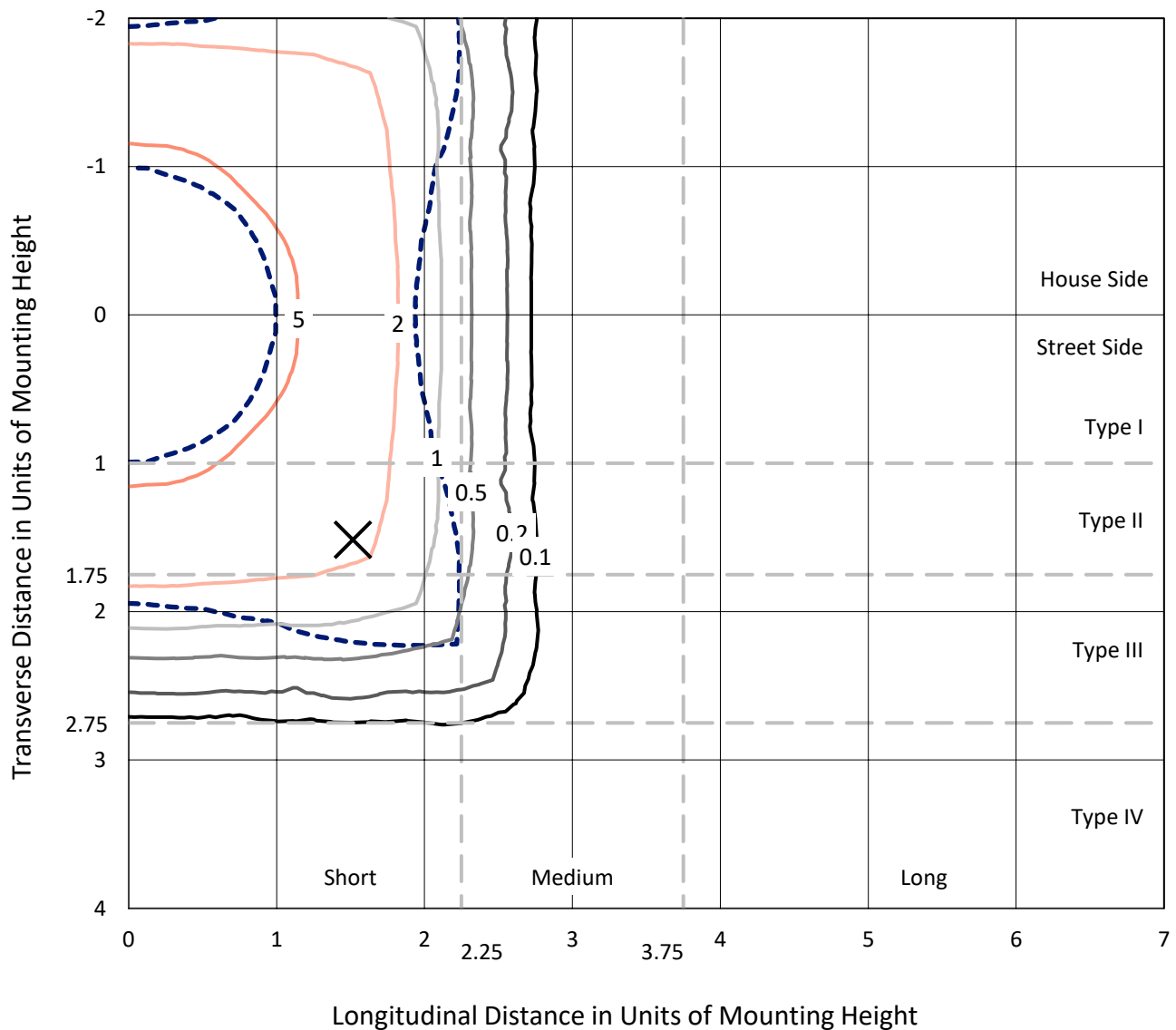
Lumens per Lamp: N/A  
Luminaire Lumens: 42736 lumens  
Efficiency: N/A  
Efficacy: 145.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

Input Watts (W): 293.6  
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



## Iso-Footcandle Lines of Horizontal Illumination

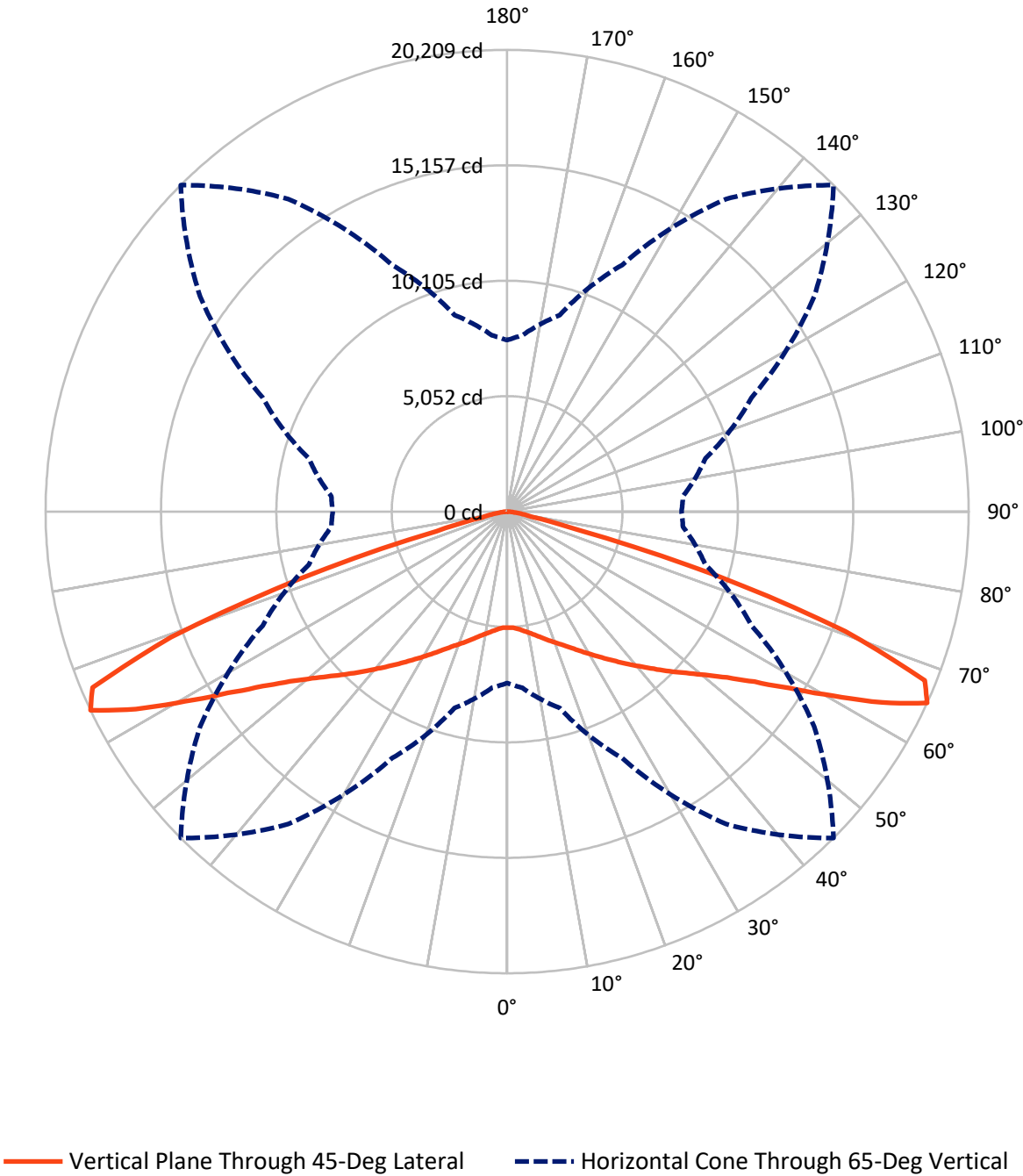
✕ Max cd  
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
Type V - Short - N/A

REPORT NUMBER: P950249  
CATALOG NUMBER: GLAN-SB4D-735-U-5NQ

Luminous Intensity Polar Plot



REPORT NUMBER: P950249

CATALOG NUMBER: GLAN-SB4D-735-U-5NQ

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21368.0  | 0.0    | 21368.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21368.0  | 0.0    | 21368.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 42736.0  | 0.0    | 42736.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 501.9   | 1.2       |
| 10°-20°   | 1637.9  | 3.8       |
| 20°-30°   | 3092.5  | 7.2       |
| 30°-40°   | 5063.8  | 11.8      |
| 40°-50°   | 7851.5  | 18.4      |
| 50°-60°   | 11598.3 | 27.1      |
| 60°-70°   | 11040.5 | 25.8      |
| 70°-80°   | 1781.5  | 4.2       |
| 80°-90°   | 167.9   | 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°    | 42736.0 | 100.0     |
| 0°-180°   | 42736.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P950249

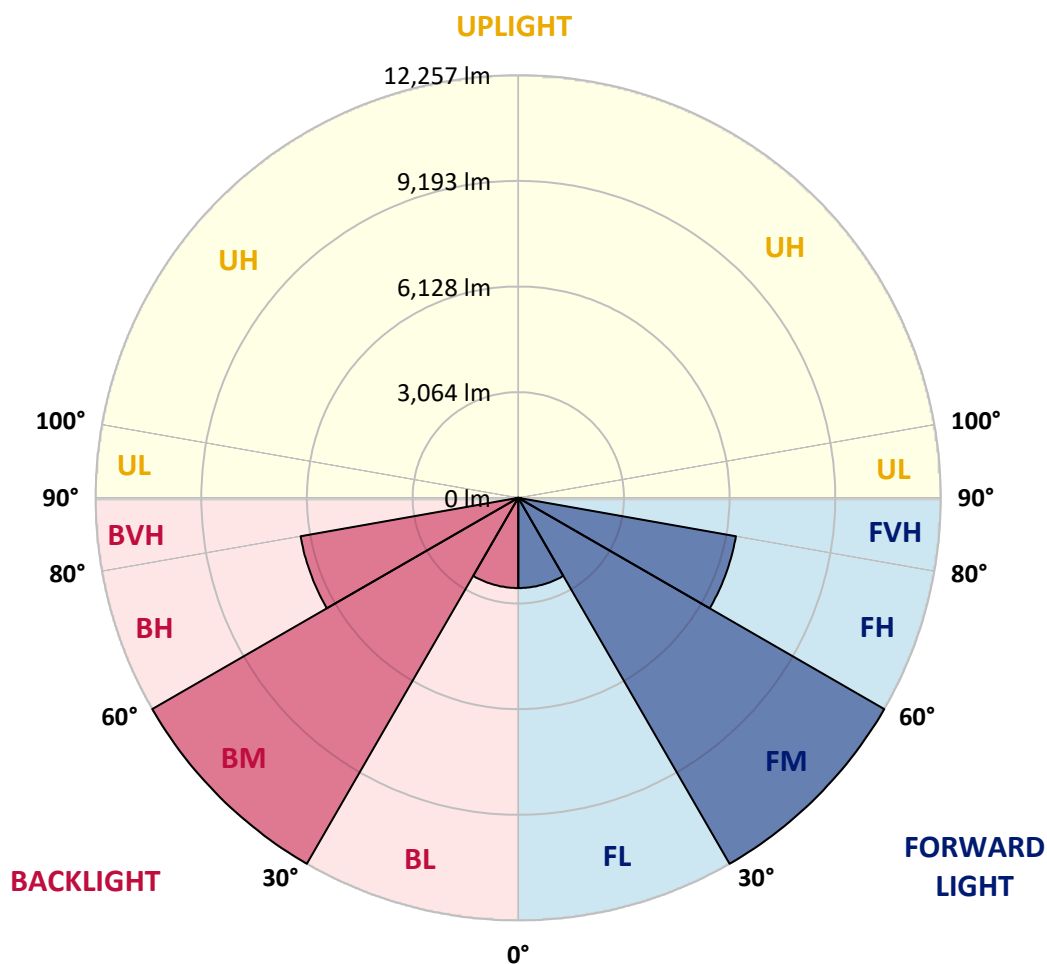
CATALOG NUMBER: GLAN-SB4D-735-U-5NQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2616.1  | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 12256.9 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 6411.0  | 15.0      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 84.0    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2616.1  | 6.1       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 12256.9 | 28.7      | B5                      |      |         |
| BH   | (60°-80°)   | 6411.0  | 15.0      | B5                      |      | G3/7500 |
| BVH  | (80°-90°)   | 84.0    | 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



REPORT NUMBER: P950249

CATALOG NUMBER: GLAN-SB4D-735-U-5NQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  | 5086.0  |
| 2.5°  | 5120.3  | 5103.2  | 5116.0  | 5105.3  | 5096.7  | 5088.2  | 5092.4  | 5107.5  | 5113.9  | 5116.0  |
| 5°    | 5188.9  | 5173.9  | 5180.4  | 5180.4  | 5165.3  | 5161.1  | 5163.2  | 5173.9  | 5186.8  | 5186.8  |
| 7.5°  | 5300.4  | 5285.4  | 5300.4  | 5291.9  | 5279.0  | 5274.7  | 5272.6  | 5281.1  | 5300.4  | 5300.4  |
| 10°   | 5435.5  | 5418.4  | 5426.9  | 5422.6  | 5407.6  | 5401.2  | 5399.1  | 5411.9  | 5429.1  | 5426.9  |
| 12.5° | 5583.5  | 5564.2  | 5574.9  | 5562.0  | 5557.7  | 5551.3  | 5551.3  | 5549.2  | 5559.9  | 5551.3  |
| 15°   | 5748.6  | 5735.7  | 5740.0  | 5731.4  | 5737.8  | 5733.6  | 5716.4  | 5707.8  | 5712.1  | 5699.2  |
| 17.5° | 5943.7  | 5913.7  | 5928.7  | 5924.4  | 5924.4  | 5933.0  | 5905.1  | 5894.4  | 5902.9  | 5890.1  |
| 20°   | 6168.8  | 6138.8  | 6145.2  | 6136.7  | 6125.9  | 6134.5  | 6100.2  | 6108.8  | 6115.2  | 6106.6  |
| 22.5° | 6415.4  | 6376.8  | 6374.7  | 6379.0  | 6355.4  | 6357.5  | 6333.9  | 6355.4  | 6368.2  | 6344.6  |
| 25°   | 6668.4  | 6627.7  | 6655.6  | 6644.8  | 6614.8  | 6621.2  | 6604.1  | 6625.5  | 6636.3  | 6606.2  |
| 27.5° | 6936.4  | 6908.6  | 6934.3  | 6940.7  | 6904.3  | 6930.0  | 6904.3  | 6923.6  | 6934.3  | 6889.3  |
| 30°   | 7249.5  | 7221.6  | 7245.2  | 7262.4  | 7219.5  | 7260.2  | 7238.8  | 7251.6  | 7253.8  | 7200.2  |
| 32.5° | 7590.4  | 7547.5  | 7607.6  | 7616.2  | 7569.0  | 7618.3  | 7590.4  | 7607.6  | 7618.3  | 7545.4  |
| 35°   | 8006.4  | 7952.8  | 8021.4  | 8010.7  | 7969.9  | 8010.7  | 7985.0  | 8010.7  | 8036.4  | 7948.5  |
| 37.5° | 8454.5  | 8398.8  | 8471.7  | 8452.4  | 8413.8  | 8441.7  | 8426.7  | 8443.8  | 8484.5  | 8390.2  |
| 40°   | 8947.7  | 8879.1  | 8977.7  | 8943.4  | 8907.0  | 8902.7  | 8911.2  | 8922.0  | 8975.6  | 8870.5  |
| 42.5° | 9475.2  | 9402.3  | 9550.2  | 9496.6  | 9445.1  | 9410.8  | 9438.7  | 9460.2  | 9511.6  | 9393.7  |
| 45°   | 10077.7 | 9994.1  | 10187.0 | 10122.7 | 10041.2 | 9970.5  | 10015.5 | 10047.7 | 10122.7 | 9981.2  |
| 47.5° | 10742.4 | 10648.0 | 10853.9 | 10834.6 | 10701.6 | 10547.3 | 10650.2 | 10742.4 | 10798.1 | 10626.6 |
| 50°   | 11392.1 | 11319.2 | 11589.3 | 11612.9 | 11450.0 | 11233.4 | 11377.1 | 11516.4 | 11531.4 | 11306.3 |
| 52.5° | 12001.0 | 11928.1 | 12320.5 | 12468.4 | 12322.6 | 12065.3 | 12217.6 | 12359.1 | 12245.5 | 11953.8 |
| 55°   | 12487.7 | 12427.7 | 12927.3 | 13309.0 | 13358.3 | 13146.0 | 13236.1 | 13231.8 | 12858.7 | 12410.6 |
| 57.5° | 12605.7 | 12597.1 | 13227.5 | 14035.8 | 14550.5 | 14576.2 | 14398.2 | 13943.6 | 13139.6 | 12537.1 |
| 60°   | 12069.6 | 12123.2 | 12989.5 | 14415.4 | 15787.6 | 16358.0 | 15588.2 | 14291.0 | 12820.1 | 11983.9 |
| 62.5° | 10465.8 | 10607.3 | 11651.5 | 13952.2 | 16786.8 | 18407.8 | 16542.4 | 13763.5 | 11507.9 | 10416.5 |
| 65°   | 7500.4  | 7746.9  | 8900.5  | 11906.7 | 16696.8 | 20209.0 | 16405.2 | 11810.2 | 8986.3  | 7727.6  |
| 67.5° | 3402.8  | 3653.7  | 4633.6  | 8152.2  | 14514.0 | 19720.1 | 14479.7 | 8238.0  | 4865.2  | 3666.6  |
| 70°   | 1232.9  | 1275.8  | 1591.0  | 3263.5  | 9275.8  | 15712.6 | 9672.4  | 3287.0  | 1691.8  | 1359.4  |
| 72.5° | 746.2   | 752.6   | 819.1   | 1168.6  | 3222.7  | 9539.5  | 3359.9  | 1207.2  | 836.2   | 741.9   |
| 75°   | 473.9   | 469.6   | 583.2   | 714.0   | 1142.9  | 3218.4  | 1198.6  | 714.0   | 581.1   | 529.6   |
| 77.5° | 340.9   | 351.6   | 418.1   | 533.9   | 720.4   | 1091.4  | 707.6   | 510.3   | 418.1   | 343.1   |
| 80°   | 255.2   | 261.6   | 304.5   | 416.0   | 506.0   | 679.7   | 450.3   | 377.4   | 315.2   | 214.4   |
| 82.5° | 184.4   | 184.4   | 199.4   | 302.3   | 308.8   | 366.7   | 244.4   | 265.9   | 208.0   | 152.2   |
| 85°   | 109.4   | 107.2   | 124.4   | 180.1   | 160.8   | 135.1   | 111.5   | 163.0   | 130.8   | 94.3    |
| 87.5° | 38.6    | 40.7    | 38.6    | 51.5    | 42.9    | 36.5    | 34.3    | 45.0    | 36.5    | 32.2    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 5086.0  |
| 5116.0  |
| 5186.8  |
| 5294.0  |
| 5422.6  |
| 5555.6  |
| 5701.4  |
| 5900.8  |
| 6125.9  |
| 6368.2  |
| 6640.5  |
| 6923.6  |
| 7232.3  |
| 7594.7  |
| 8002.1  |
| 8448.1  |
| 8904.8  |
| 9455.9  |
| 10054.1 |
| 10684.5 |
| 11334.2 |
| 11962.4 |
| 12425.6 |
| 12498.5 |
| 11885.2 |
| 10352.1 |
| 7635.4  |
| 3613.0  |
| 1342.3  |
| 754.8   |
| 533.9   |
| 349.5   |
| 220.9   |
| 152.2   |
| 92.2    |
| 30.0    |
| 0.0     |

OF REPORT)