

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: P951907

Luminaire Tested: **GLAN-SB5D-935-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951907  
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-SB5D-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37449 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 364.9  
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

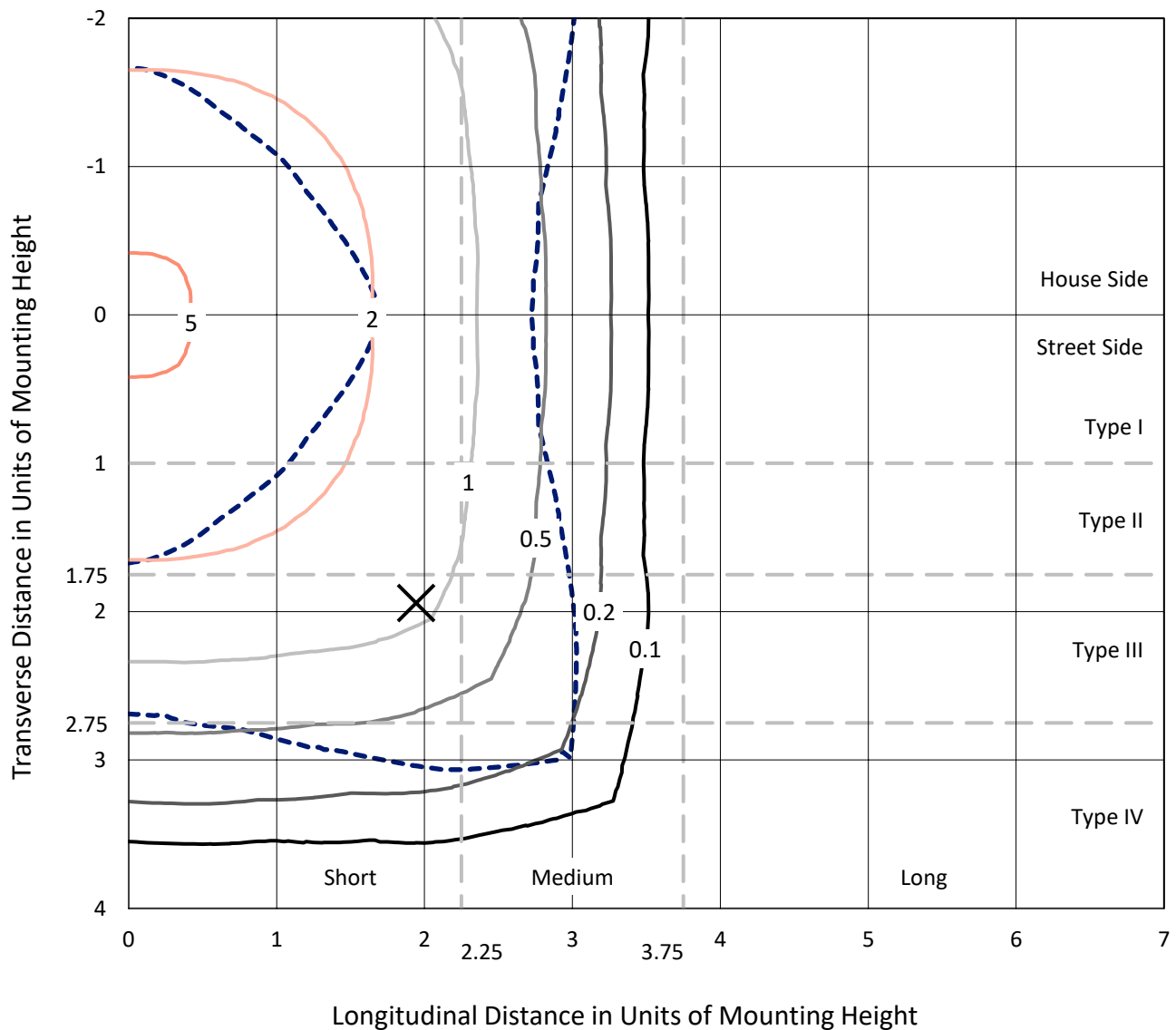


REPORT NUMBER: P951907

CATALOG NUMBER: GLAN-SB5D-935-U-5MQ

## Iso-Footcandle Lines of Horizontal Illumination

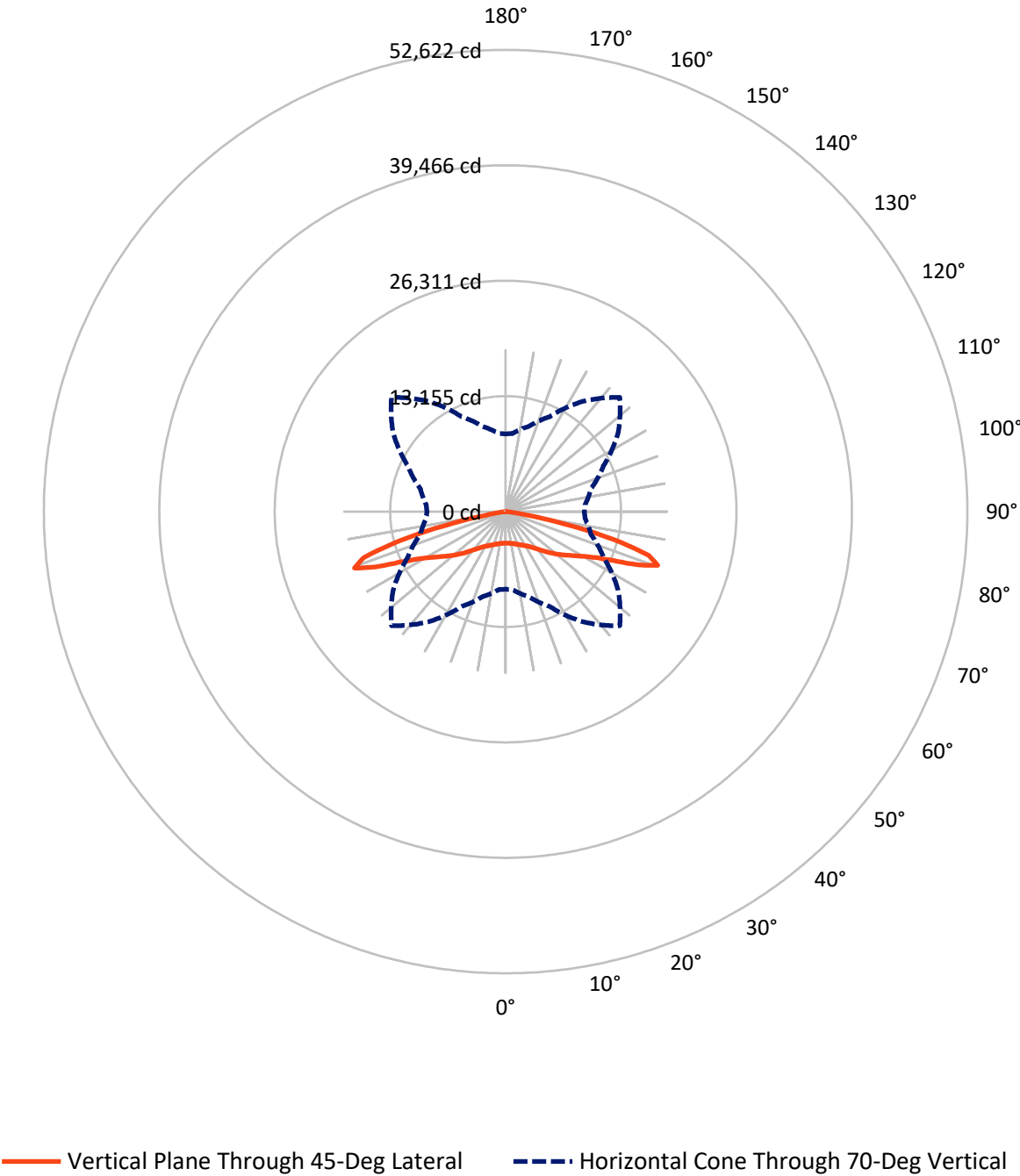
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
Type V - Short - N/A

REPORT NUMBER: P951907  
CATALOG NUMBER: GLAN-SB5D-935-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P951907

CATALOG NUMBER: GLAN-SB5D-935-U-5MQ

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 18724.5  | 0.0    | 18724.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18724.5  | 0.0    | 18724.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 37449.0  | 0.0    | 37449.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 348.5   | 0.9       |
| 10°-20°   | 1080.7  | 2.9       |
| 20°-30°   | 1931.3  | 5.2       |
| 30°-40°   | 3130.5  | 8.4       |
| 40°-50°   | 5099.1  | 13.6      |
| 50°-60°   | 7774.5  | 20.8      |
| 60°-70°   | 11565.9 | 30.9      |
| 70°-80°   | 6303.8  | 16.8      |
| 80°-90°   | 214.7   | 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°    | 37449.0 | 100.0     |
| 0°-180°   | 37449.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P951907

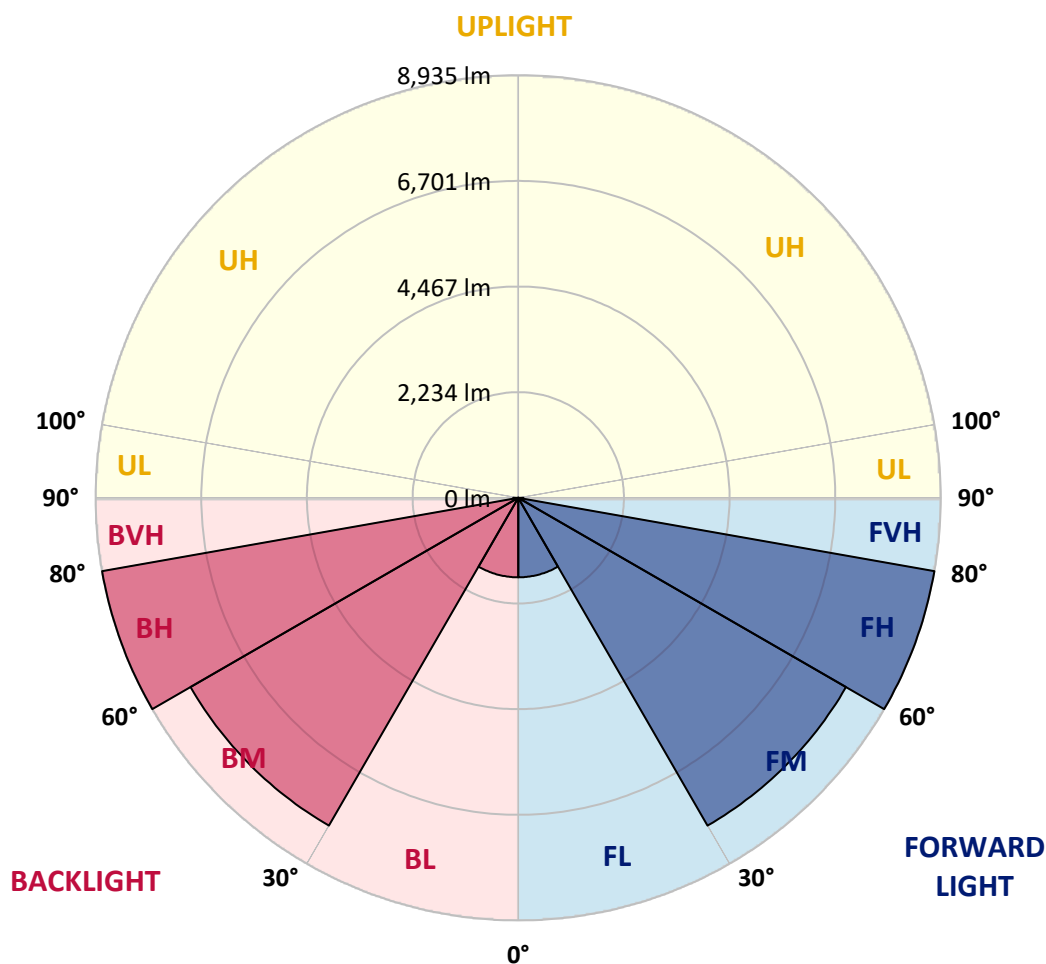
CATALOG NUMBER: GLAN-SB5D-935-U-5MQ

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1680.2 | 4.5       |                         |      |          |
| FM   | (30°-60°)   | 8002.1 | 21.4      |                         |      |          |
| FH   | (60°-80°)   | 8934.9 | 23.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 107.3  | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1680.2 | 4.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 8002.1 | 21.4      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 8934.9 | 23.9      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 107.3  | 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: P951907

CATALOG NUMBER: GLAN-SB5D-935-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  | 3587.2  |
| 2.5°  | 3604.1  | 3607.9  | 3600.4  | 3596.6  | 3592.9  | 3587.2  | 3589.1  | 3598.5  | 3606.0  | 3604.1  |
| 5°    | 3634.2  | 3638.0  | 3632.3  | 3630.5  | 3622.9  | 3621.1  | 3621.1  | 3630.5  | 3636.1  | 3632.3  |
| 7.5°  | 3668.1  | 3673.7  | 3664.3  | 3662.4  | 3658.7  | 3654.9  | 3653.0  | 3662.4  | 3668.1  | 3668.1  |
| 10°   | 3700.0  | 3705.7  | 3698.2  | 3692.5  | 3688.8  | 3688.8  | 3685.0  | 3692.5  | 3701.9  | 3700.0  |
| 12.5° | 3733.9  | 3737.6  | 3730.1  | 3726.4  | 3726.4  | 3732.0  | 3726.4  | 3730.1  | 3737.6  | 3733.9  |
| 15°   | 3775.2  | 3777.1  | 3775.2  | 3780.9  | 3790.3  | 3809.1  | 3792.2  | 3788.4  | 3792.2  | 3782.8  |
| 17.5° | 3831.6  | 3835.4  | 3842.9  | 3856.1  | 3869.2  | 3903.1  | 3873.0  | 3863.6  | 3863.6  | 3844.8  |
| 20°   | 3901.2  | 3906.8  | 3918.1  | 3940.7  | 3957.6  | 3989.6  | 3959.5  | 3946.3  | 3940.7  | 3916.2  |
| 22.5° | 3974.5  | 3983.9  | 4000.8  | 4030.9  | 4061.0  | 4091.1  | 4061.0  | 4038.5  | 4021.5  | 3989.6  |
| 25°   | 4059.1  | 4070.4  | 4096.7  | 4145.6  | 4187.0  | 4230.2  | 4194.5  | 4149.4  | 4115.5  | 4070.4  |
| 27.5° | 4179.5  | 4192.6  | 4224.6  | 4284.7  | 4337.4  | 4375.0  | 4341.1  | 4282.9  | 4235.9  | 4181.3  |
| 30°   | 4348.7  | 4361.8  | 4399.4  | 4463.4  | 4499.1  | 4523.5  | 4501.0  | 4455.8  | 4399.4  | 4337.4  |
| 32.5° | 4566.8  | 4583.7  | 4625.0  | 4685.2  | 4692.7  | 4696.5  | 4689.0  | 4666.4  | 4625.0  | 4549.8  |
| 35°   | 4843.1  | 4861.9  | 4908.9  | 4957.8  | 4950.3  | 4957.8  | 4946.5  | 4939.0  | 4908.9  | 4822.5  |
| 37.5° | 5181.5  | 5204.1  | 5253.0  | 5290.6  | 5271.8  | 5262.4  | 5264.3  | 5266.2  | 5249.2  | 5153.3  |
| 40°   | 5574.5  | 5604.6  | 5640.3  | 5679.8  | 5647.8  | 5619.6  | 5638.4  | 5653.5  | 5638.4  | 5540.6  |
| 42.5° | 5978.7  | 6022.0  | 6059.6  | 6116.0  | 6089.6  | 6053.9  | 6080.2  | 6097.2  | 6065.2  | 5959.9  |
| 45°   | 6428.1  | 6469.4  | 6518.3  | 6602.9  | 6584.1  | 6546.5  | 6584.1  | 6587.9  | 6533.3  | 6409.3  |
| 47.5° | 6892.4  | 6935.7  | 7009.0  | 7121.8  | 7114.3  | 7072.9  | 7121.8  | 7095.5  | 7025.9  | 6877.4  |
| 50°   | 7332.4  | 7392.5  | 7505.4  | 7663.3  | 7678.3  | 7627.6  | 7693.4  | 7642.6  | 7526.0  | 7339.9  |
| 52.5° | 7746.0  | 7809.9  | 7988.5  | 8202.9  | 8257.4  | 8191.6  | 8280.0  | 8191.6  | 8016.7  | 7778.0  |
| 55°   | 8180.3  | 8251.7  | 8464.2  | 8744.3  | 8853.4  | 8804.5  | 8887.2  | 8753.7  | 8505.6  | 8216.0  |
| 57.5° | 8691.7  | 8734.9  | 8988.7  | 9321.5  | 9505.8  | 9517.1  | 9554.7  | 9329.0  | 9028.2  | 8699.2  |
| 60°   | 9246.3  | 9306.5  | 9582.9  | 9981.4  | 10272.9 | 10366.9 | 10327.4 | 9992.7  | 9643.0  | 9265.1  |
| 62.5° | 9957.0  | 10022.8 | 10353.7 | 10831.2 | 11291.9 | 11525.0 | 11370.8 | 10885.8 | 10453.3 | 10000.2 |
| 65°   | 10545.5 | 10618.8 | 11216.7 | 12068.3 | 12906.9 | 13375.0 | 12987.7 | 12094.7 | 11316.3 | 10677.1 |
| 67.5° | 10118.7 | 10208.9 | 11147.1 | 12711.3 | 14796.4 | 16193.3 | 14867.8 | 12903.1 | 11378.4 | 10511.6 |
| 70°   | 8844.0  | 8928.6  | 10022.8 | 11934.9 | 15328.4 | 18389.2 | 15648.1 | 12286.4 | 10058.5 | 9088.4  |
| 72.5° | 5871.5  | 6144.2  | 7251.5  | 9545.3  | 13687.1 | 17016.8 | 13822.5 | 9351.6  | 6727.0  | 5858.4  |
| 75°   | 1947.8  | 2165.9  | 2921.7  | 4948.4  | 9167.4  | 12726.4 | 8727.4  | 4378.7  | 2314.4  | 1665.8  |
| 77.5° | 490.7   | 565.9   | 780.2   | 1415.7  | 3656.8  | 7245.9  | 3292.1  | 1156.3  | 629.8   | 439.9   |
| 80°   | 238.8   | 263.2   | 376.0   | 471.9   | 915.6   | 2303.1  | 859.2   | 443.7   | 297.1   | 229.4   |
| 82.5° | 131.6   | 133.5   | 212.5   | 267.0   | 340.3   | 596.0   | 353.5   | 259.5   | 171.1   | 139.1   |
| 85°   | 80.8    | 79.0    | 112.8   | 142.9   | 142.9   | 212.5   | 169.2   | 142.9   | 97.8    | 86.5    |
| 87.5° | 32.0    | 32.0    | 41.4    | 45.1    | 39.5    | 54.5    | 43.2    | 47.0    | 37.6    | 35.7    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3587.2  |
| 3606.0  |
| 3634.2  |
| 3668.1  |
| 3700.0  |
| 3732.0  |
| 3782.8  |
| 3844.8  |
| 3916.2  |
| 3987.7  |
| 4068.5  |
| 4179.5  |
| 4337.4  |
| 4551.7  |
| 4822.5  |
| 5153.3  |
| 5540.6  |
| 5967.4  |
| 6422.4  |
| 6868.0  |
| 7336.1  |
| 7755.4  |
| 8176.5  |
| 8654.1  |
| 9205.0  |
| 9921.3  |
| 10571.8 |
| 10381.9 |
| 8958.7  |
| 5668.5  |
| 1575.5  |
| 392.9   |
| 210.6   |
| 139.1   |
| 90.2    |
| 37.6    |
| 0.0     |

OF REPORT)