

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: P942750

Luminaire Tested: **GLAN-SB6D-930-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942750  
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-SB6D-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43421 lumens  
Efficiency: N/A  
Efficacy: 98.7 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): 440.1  
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



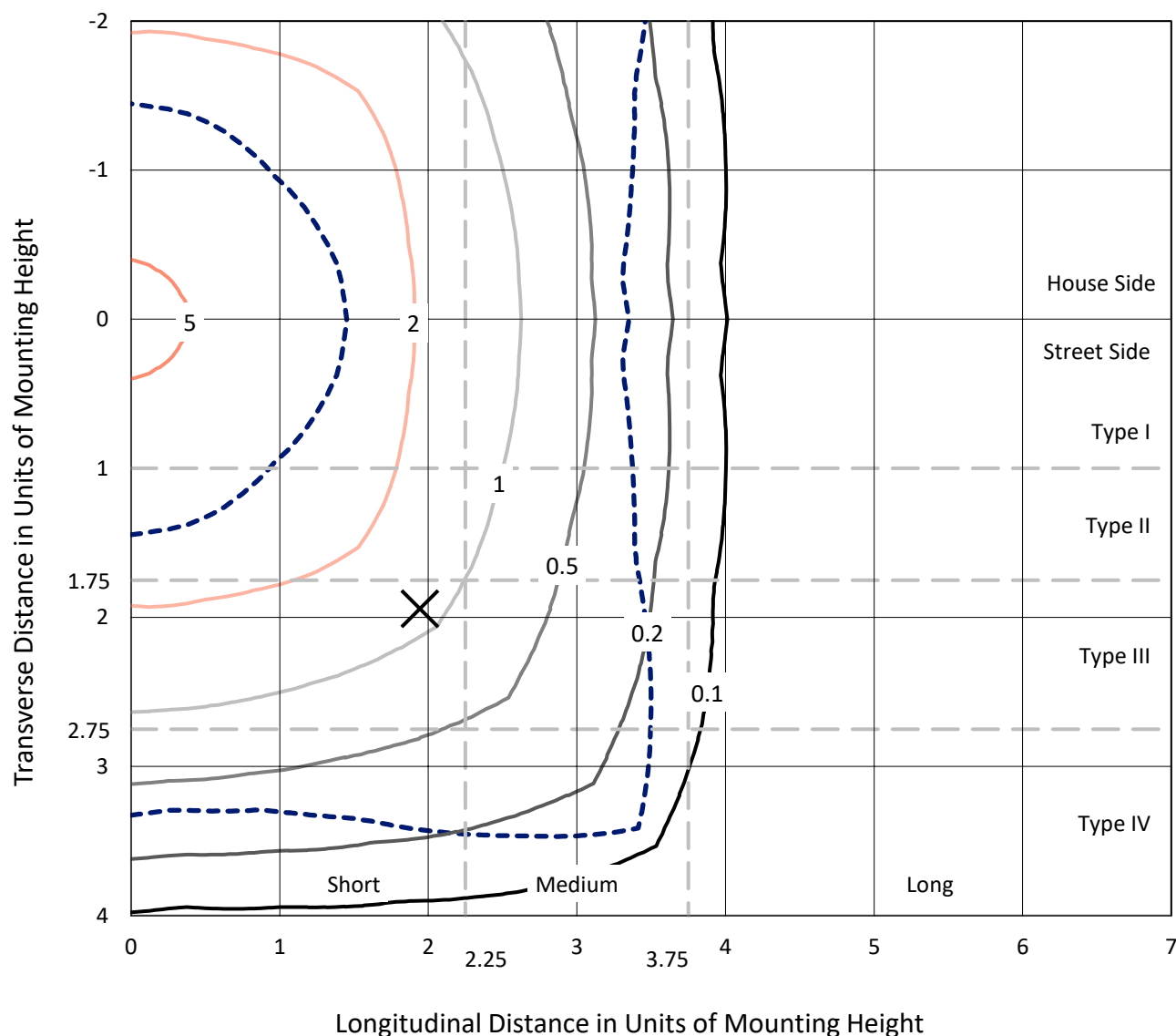
REPORT NUMBER: P942750

CATALOG NUMBER: GLAN-SB6D-930-U-5WQ

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

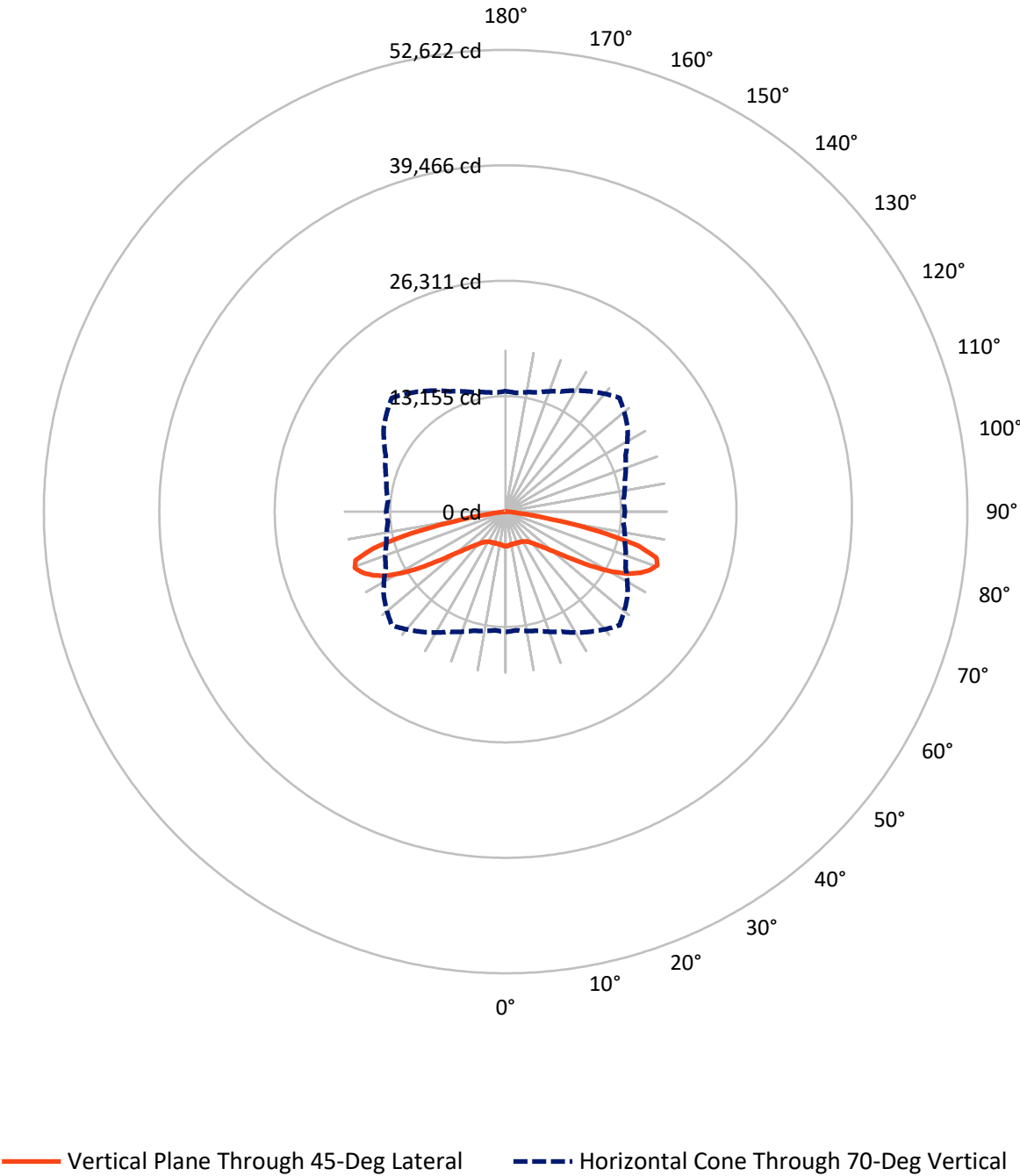


Based on 25 foot mounting height. Maximum calculated value = 6.3 fc

Type V - Short - N/A

REPORT NUMBER: P942750  
CATALOG NUMBER: GLAN-SB6D-930-U-5WQ

Luminous Intensity Polar Plot



REPORT NUMBER: P942750

CATALOG NUMBER: GLAN-SB6D-930-U-5WQ

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 21710.5  | 0.0    | 21710.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 21710.5  | 0.0    | 21710.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 43421.0  | 0.0    | 43421.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 368.5   | 0.8       |
| 10°-20°   | 1081.9  | 2.5       |
| 20°-30°   | 1800.4  | 4.1       |
| 30°-40°   | 2722.7  | 6.3       |
| 40°-50°   | 4524.5  | 10.4      |
| 50°-60°   | 8537.7  | 19.7      |
| 60°-70°   | 14416.2 | 33.2      |
| 70°-80°   | 9472.9  | 21.8      |
| 80°-90°   | 496.3   | 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°    | 43421.0 | 100.0     |
| 0°-180°   | 43421.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P942750

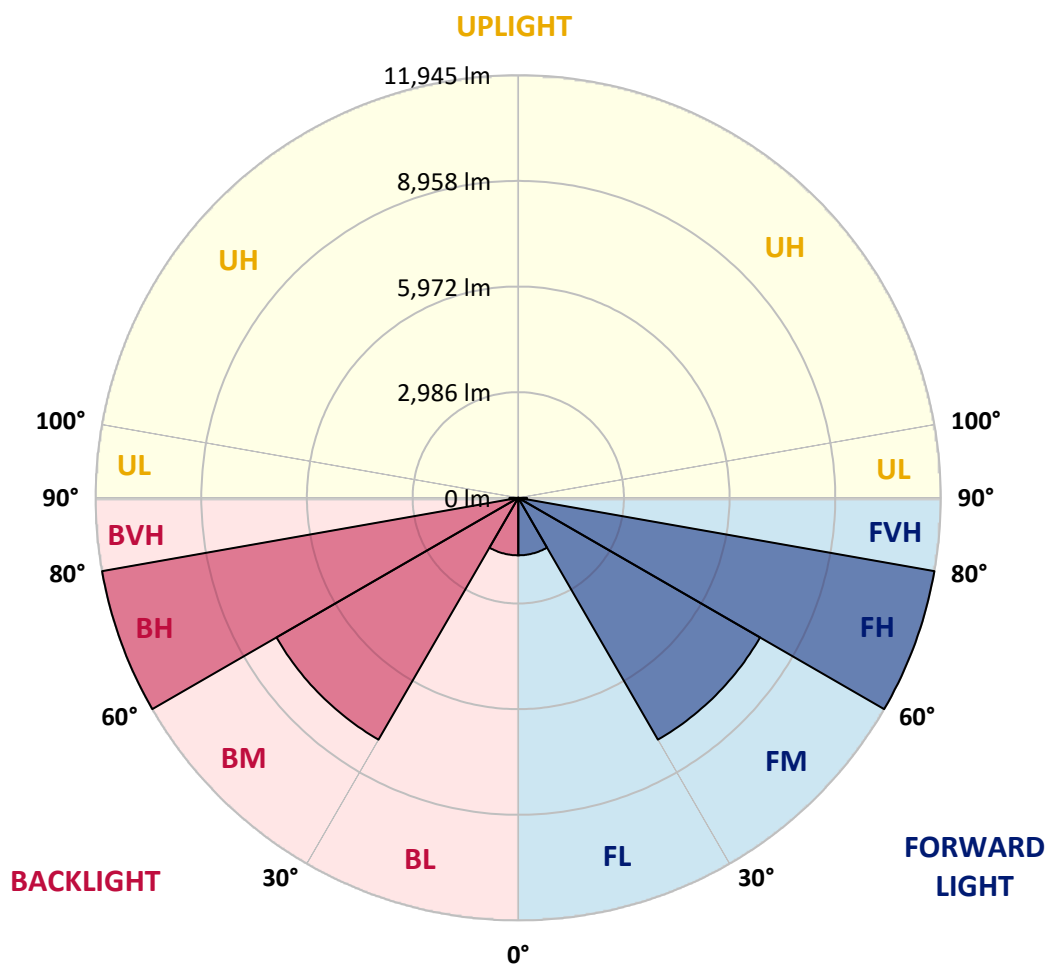
CATALOG NUMBER: GLAN-SB6D-930-U-5WQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1625.4  | 3.7       |                         |      |          |
| FM   | (30°-60°)   | 7892.5  | 18.2      |                         |      |          |
| FH   | (60°-80°)   | 11944.5 | 27.5      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 248.1   | 0.6       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1625.4  | 3.7       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 7892.5  | 18.2      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 11944.5 | 27.5      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 248.1   | 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-G4**

Type V Short



REPORT NUMBER: P942750

CATALOG NUMBER: GLAN-SB6D-930-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  | 3960.9  |
| 2.5°  | 3936.0  | 3947.3  | 3942.8  | 3933.8  | 3933.8  | 3927.0  | 3933.8  | 3938.3  | 3945.1  | 3949.6  |
| 5°    | 3884.1  | 3893.2  | 3890.9  | 3884.1  | 3886.4  | 3879.6  | 3884.1  | 3890.9  | 3895.4  | 3897.7  |
| 7.5°  | 3839.0  | 3848.0  | 3843.5  | 3832.2  | 3832.2  | 3825.5  | 3827.7  | 3834.5  | 3841.3  | 3843.5  |
| 10°   | 3827.7  | 3836.7  | 3823.2  | 3805.1  | 3798.4  | 3789.3  | 3791.6  | 3798.4  | 3811.9  | 3818.7  |
| 12.5° | 3832.2  | 3839.0  | 3825.5  | 3798.4  | 3791.6  | 3782.6  | 3782.6  | 3789.3  | 3807.4  | 3816.4  |
| 15°   | 3845.8  | 3852.5  | 3832.2  | 3802.9  | 3796.1  | 3789.3  | 3787.1  | 3796.1  | 3816.4  | 3832.2  |
| 17.5° | 3870.6  | 3877.4  | 3845.8  | 3805.1  | 3796.1  | 3798.4  | 3796.1  | 3802.9  | 3834.5  | 3863.8  |
| 20°   | 3893.2  | 3897.7  | 3854.8  | 3805.1  | 3796.1  | 3798.4  | 3796.1  | 3809.7  | 3850.3  | 3890.9  |
| 22.5° | 3899.9  | 3904.4  | 3863.8  | 3820.9  | 3814.2  | 3816.4  | 3814.2  | 3827.7  | 3866.1  | 3906.7  |
| 25°   | 3902.2  | 3909.0  | 3877.4  | 3843.5  | 3854.8  | 3859.3  | 3854.8  | 3857.1  | 3886.4  | 3922.5  |
| 27.5° | 3936.0  | 3945.1  | 3915.7  | 3886.4  | 3893.2  | 3890.9  | 3897.7  | 3904.4  | 3927.0  | 3963.1  |
| 30°   | 4006.0  | 4012.8  | 3988.0  | 3958.6  | 3954.1  | 3938.3  | 3958.6  | 3981.2  | 4006.0  | 4037.6  |
| 32.5° | 4121.1  | 4134.7  | 4103.1  | 4071.5  | 4051.1  | 4042.1  | 4057.9  | 4096.3  | 4130.1  | 4164.0  |
| 35°   | 4312.9  | 4322.0  | 4292.6  | 4234.0  | 4197.8  | 4197.8  | 4211.4  | 4261.0  | 4315.2  | 4358.1  |
| 37.5° | 4583.8  | 4595.1  | 4543.2  | 4473.2  | 4419.0  | 4419.0  | 4437.1  | 4489.0  | 4570.2  | 4631.2  |
| 40°   | 4913.3  | 4929.1  | 4863.6  | 4791.4  | 4739.5  | 4730.5  | 4753.0  | 4811.7  | 4888.5  | 4965.2  |
| 42.5° | 5310.5  | 5328.6  | 5242.8  | 5179.6  | 5139.0  | 5139.0  | 5150.3  | 5204.4  | 5274.4  | 5369.2  |
| 45°   | 5818.3  | 5849.9  | 5732.5  | 5669.3  | 5631.0  | 5640.0  | 5646.8  | 5694.2  | 5757.4  | 5865.7  |
| 47.5° | 6423.2  | 6454.8  | 6330.6  | 6265.2  | 6258.4  | 6301.3  | 6274.2  | 6308.1  | 6341.9  | 6466.0  |
| 50°   | 7109.3  | 7163.4  | 7077.7  | 7073.1  | 7086.7  | 7165.7  | 7102.5  | 7120.5  | 7082.2  | 7161.2  |
| 52.5° | 7948.8  | 8027.8  | 8012.0  | 8039.1  | 8190.3  | 8352.8  | 8208.4  | 8145.2  | 8000.7  | 8025.6  |
| 55°   | 8966.7  | 9086.3  | 9108.9  | 9271.4  | 9614.4  | 9946.2  | 9639.2  | 9384.2  | 9077.3  | 9020.9  |
| 57.5° | 10124.5 | 10219.3 | 10327.6 | 10659.4 | 11300.3 | 11889.4 | 11300.3 | 10736.1 | 10253.1 | 10138.0 |
| 60°   | 11370.3 | 11487.6 | 11591.5 | 12081.2 | 13033.6 | 13861.9 | 13015.6 | 12119.6 | 11480.9 | 11325.2 |
| 62.5° | 12708.6 | 12859.8 | 12932.1 | 13476.0 | 14586.4 | 15574.9 | 14602.2 | 13516.6 | 12807.9 | 12640.9 |
| 65°   | 13992.8 | 14116.9 | 14198.2 | 14778.2 | 15839.0 | 16829.7 | 15911.2 | 14841.4 | 14112.4 | 13893.5 |
| 67.5° | 14590.9 | 14658.6 | 14857.2 | 15514.0 | 16633.4 | 17764.1 | 16823.0 | 15583.9 | 14769.2 | 14385.5 |
| 70°   | 13715.2 | 13577.5 | 14056.0 | 15107.7 | 16728.2 | 18337.4 | 16944.8 | 15076.1 | 14078.6 | 13455.7 |
| 72.5° | 10598.4 | 10361.5 | 11192.0 | 12990.7 | 15644.9 | 17971.7 | 15753.2 | 13092.3 | 11708.8 | 10445.0 |
| 75°   | 5766.4  | 5497.8  | 6644.3  | 8919.3  | 12476.2 | 15577.2 | 12762.8 | 9174.3  | 7398.1  | 5723.5  |
| 77.5° | 1627.2  | 1525.7  | 2451.0  | 4315.2  | 7504.2  | 10937.0 | 7793.1  | 4410.0  | 2906.9  | 1724.3  |
| 80°   | 498.8   | 483.0   | 654.5   | 1300.0  | 3186.8  | 5238.3  | 3062.6  | 1315.8  | 832.8   | 525.9   |
| 82.5° | 295.7   | 270.8   | 325.0   | 474.0   | 812.5   | 1645.3  | 789.9   | 494.3   | 397.2   | 266.3   |
| 85°   | 169.3   | 158.0   | 191.8   | 230.2   | 273.1   | 349.8   | 227.9   | 234.7   | 212.1   | 142.2   |
| 87.5° | 70.0    | 63.2    | 74.5    | 72.2    | 63.2    | 81.2    | 60.9    | 72.2    | 85.8    | 56.4    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 3960.9  |
| 3947.3  |
| 3897.7  |
| 3843.5  |
| 3818.7  |
| 3818.7  |
| 3834.5  |
| 3863.8  |
| 3893.2  |
| 3906.7  |
| 3920.2  |
| 3954.1  |
| 4030.8  |
| 4150.4  |
| 4342.3  |
| 4608.6  |
| 4940.4  |
| 5362.4  |
| 5861.2  |
| 6429.9  |
| 7113.8  |
| 7942.1  |
| 8932.8  |
| 10056.8 |
| 11189.7 |
| 12505.5 |
| 13785.2 |
| 14390.0 |
| 13604.6 |
| 10758.7 |
| 6095.9  |
| 1916.1  |
| 555.2   |
| 288.9   |
| 149.0   |
| 51.9    |
| 0.0     |