

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: P951866

Luminaire Tested: **GLAN-SB5D-927-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951866  
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-SB5D-927-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32788 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

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

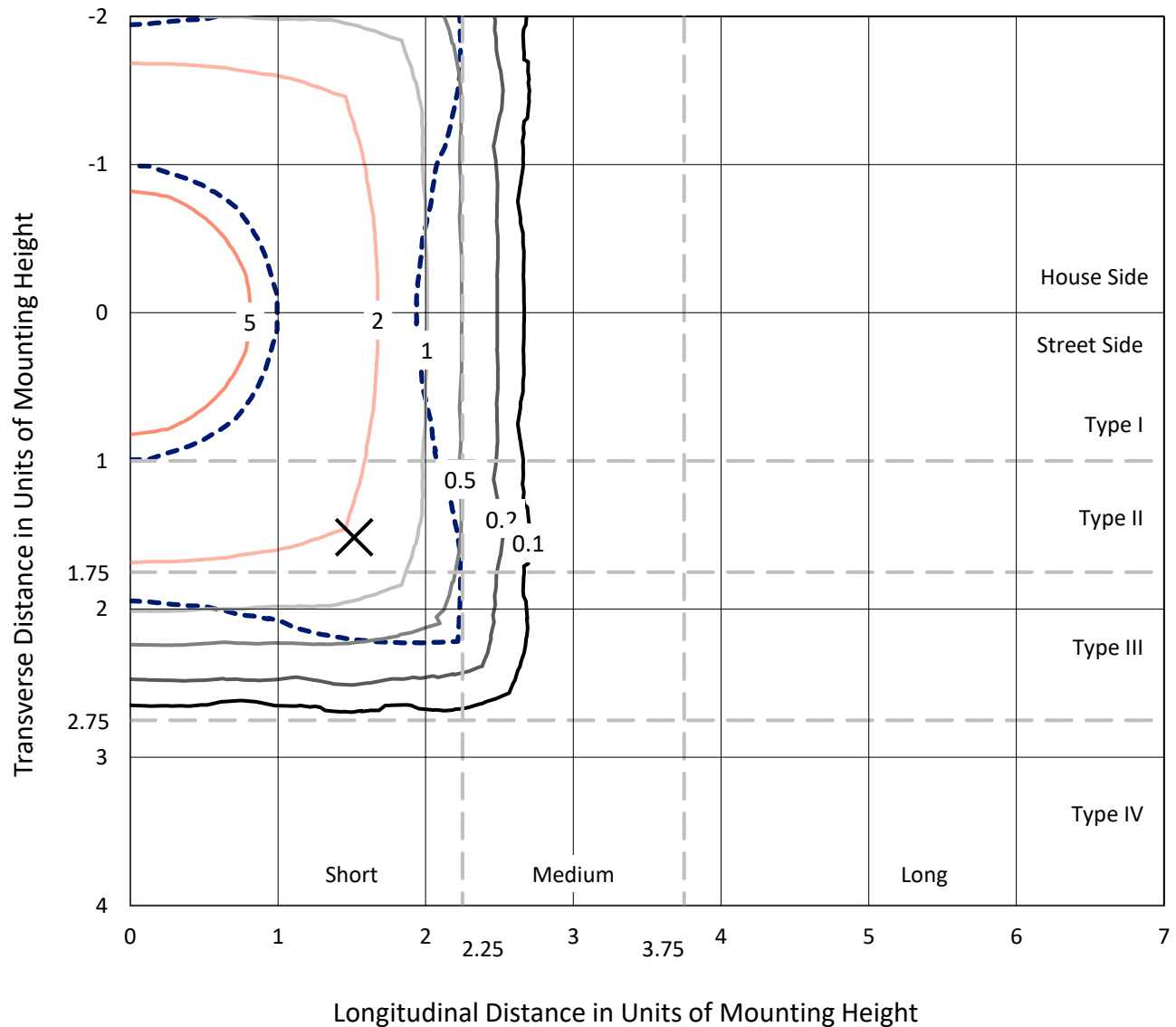


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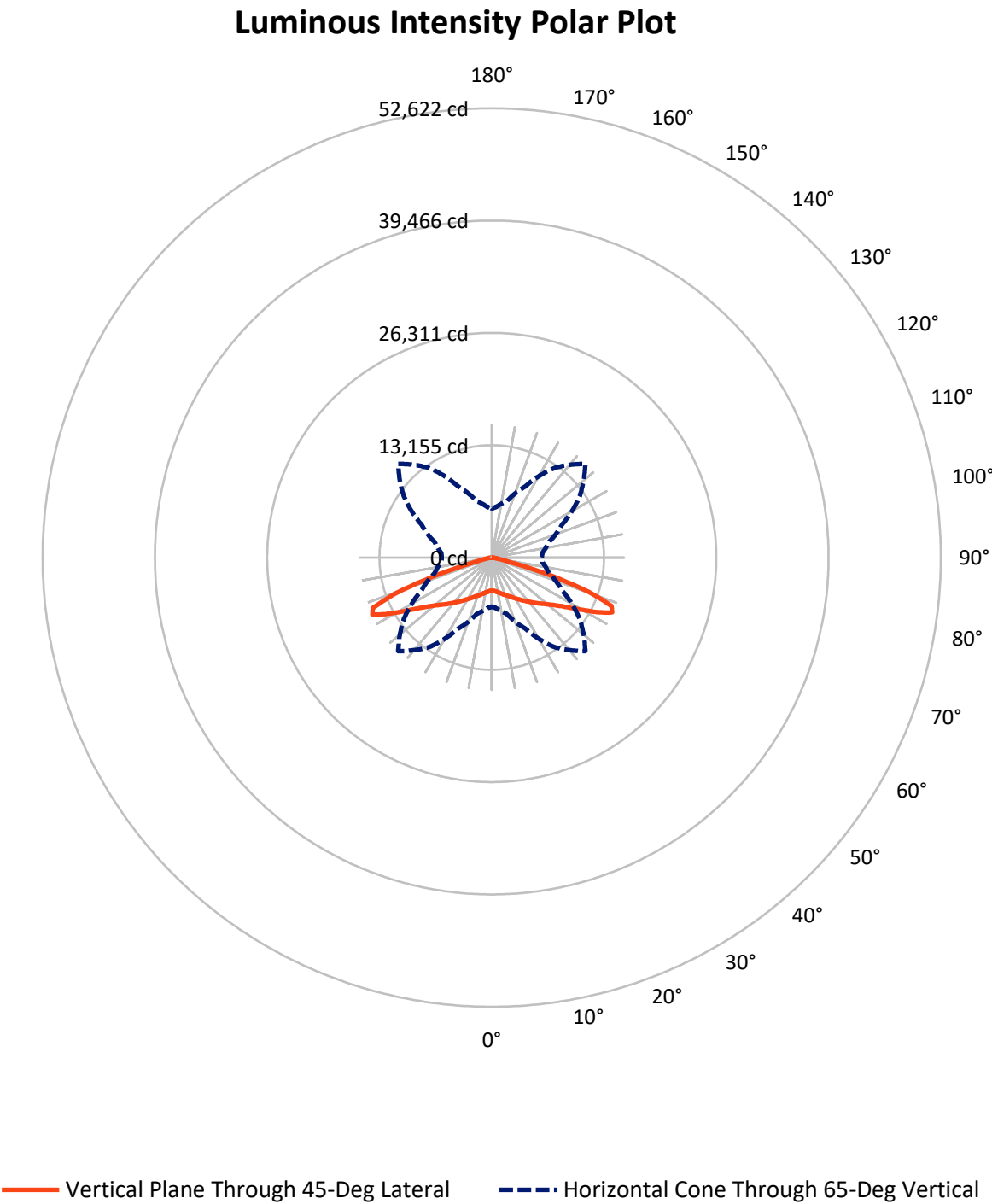
## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type V - Short - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 16394.0  | 0.0    | 16394.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 16394.0  | 0.0    | 16394.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 32788.0  | 0.0    | 32788.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 385.1   | 1.2       |
| 10°-20°   | 1256.6  | 3.8       |
| 20°-30°   | 2372.6  | 7.2       |
| 30°-40°   | 3885.1  | 11.8      |
| 40°-50°   | 6023.9  | 18.4      |
| 50°-60°   | 8898.5  | 27.1      |
| 60°-70°   | 8470.5  | 25.8      |
| 70°-80°   | 1366.8  | 4.2       |
| 80°-90°   | 128.8   | 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°    | 32788.0 | 100.0     |
| 0°-180°   | 32788.0 | 100.0     |

**Coefficient of Utilization**



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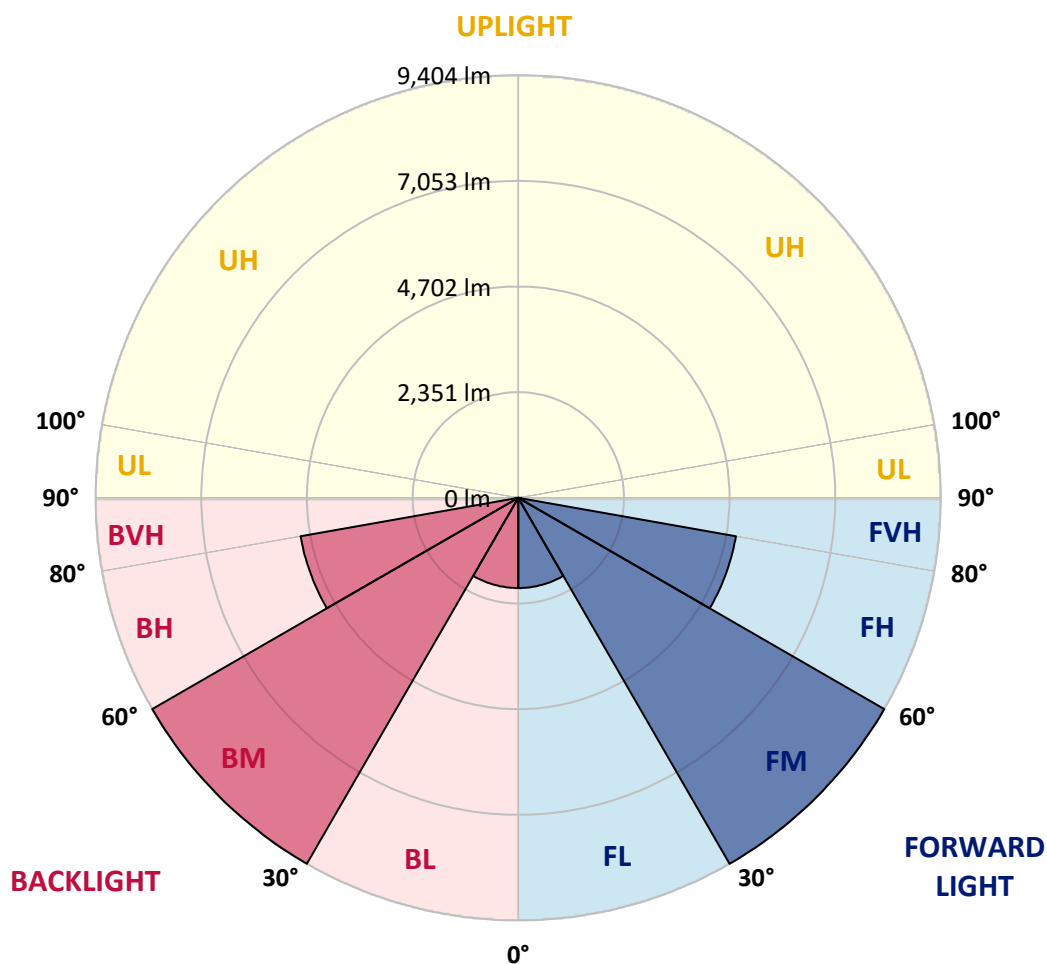
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2007.2 | 6.1       |                         |      |         |
| FM   | (30°-60°)   | 9403.7 | 28.7      |                         |      |         |
| FH   | (60°-80°)   | 4918.7 | 15.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 64.4   | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2007.2 | 6.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 9403.7 | 28.7      | B5                      |      |         |
| BH   | (60°-80°)   | 4918.7 | 15.0      | B4/5000                 |      | G2/5000 |
| BVH  | (80°-90°)   | 64.4   | 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-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°    |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 3902.1 | 3902.1 | 3902.1  | 3902.1  | 3902.1  | 3902.1  | 3902.1  | 3902.1  | 3902.1  | 3902.1 |
| 2.5°  | 3928.4 | 3915.3 | 3925.1  | 3916.9  | 3910.3  | 3903.7  | 3907.0  | 3918.6  | 3923.5  | 3925.1 |
| 5°    | 3981.1 | 3969.5 | 3974.5  | 3974.5  | 3963.0  | 3959.7  | 3961.3  | 3969.5  | 3979.4  | 3979.4 |
| 7.5°  | 4066.6 | 4055.1 | 4066.6  | 4060.0  | 4050.2  | 4046.9  | 4045.2  | 4051.8  | 4066.6  | 4066.6 |
| 10°   | 4170.2 | 4157.1 | 4163.7  | 4160.4  | 4148.9  | 4143.9  | 4142.3  | 4152.2  | 4165.3  | 4163.7 |
| 12.5° | 4283.8 | 4268.9 | 4277.2  | 4267.3  | 4264.0  | 4259.1  | 4259.1  | 4257.4  | 4265.7  | 4259.1 |
| 15°   | 4410.4 | 4400.6 | 4403.8  | 4397.3  | 4402.2  | 4398.9  | 4385.7  | 4379.2  | 4382.5  | 4372.6 |
| 17.5° | 4560.1 | 4537.1 | 4548.6  | 4545.3  | 4545.3  | 4551.9  | 4530.5  | 4522.3  | 4528.9  | 4519.0 |
| 20°   | 4732.9 | 4709.8 | 4714.8  | 4708.2  | 4700.0  | 4706.5  | 4680.2  | 4686.8  | 4691.7  | 4685.2 |
| 22.5° | 4922.0 | 4892.4 | 4890.8  | 4894.1  | 4876.0  | 4877.6  | 4859.5  | 4876.0  | 4885.9  | 4867.8 |
| 25°   | 5116.2 | 5084.9 | 5106.3  | 5098.1  | 5075.0  | 5080.0  | 5066.8  | 5083.3  | 5091.5  | 5068.5 |
| 27.5° | 5321.8 | 5300.4 | 5320.1  | 5325.1  | 5297.1  | 5316.9  | 5297.1  | 5311.9  | 5320.1  | 5285.6 |
| 30°   | 5562.0 | 5540.6 | 5558.7  | 5571.8  | 5538.9  | 5570.2  | 5553.7  | 5563.6  | 5565.3  | 5524.1 |
| 32.5° | 5823.5 | 5790.6 | 5836.7  | 5843.3  | 5807.1  | 5844.9  | 5823.5  | 5836.7  | 5844.9  | 5789.0 |
| 35°   | 6142.7 | 6101.6 | 6154.2  | 6146.0  | 6114.7  | 6146.0  | 6126.2  | 6146.0  | 6165.7  | 6098.3 |
| 37.5° | 6486.5 | 6443.7 | 6499.7  | 6484.9  | 6455.2  | 6476.6  | 6465.1  | 6478.3  | 6509.5  | 6437.1 |
| 40°   | 6864.9 | 6812.2 | 6887.9  | 6861.6  | 6833.6  | 6830.3  | 6836.9  | 6845.1  | 6886.3  | 6805.6 |
| 42.5° | 7269.6 | 7213.6 | 7327.1  | 7286.0  | 7246.5  | 7220.2  | 7241.6  | 7258.0  | 7297.5  | 7207.0 |
| 45°   | 7731.8 | 7667.7 | 7815.7  | 7766.4  | 7703.9  | 7649.6  | 7684.1  | 7708.8  | 7766.4  | 7657.8 |
| 47.5° | 8241.8 | 8169.4 | 8327.3  | 8312.5  | 8210.5  | 8092.1  | 8171.0  | 8241.8  | 8284.6  | 8153.0 |
| 50°   | 8740.2 | 8684.3 | 8891.6  | 8909.7  | 8784.7  | 8618.5  | 8728.7  | 8835.7  | 8847.2  | 8674.4 |
| 52.5° | 9207.4 | 9151.5 | 9452.6  | 9566.1  | 9454.2  | 9256.8  | 9373.6  | 9482.2  | 9395.0  | 9171.3 |
| 55°   | 9580.9 | 9534.8 | 9918.1  | 10210.9 | 10248.8 | 10085.9 | 10155.0 | 10151.7 | 9865.5  | 9521.7 |
| 57.5° | 9671.4 | 9664.8 | 10148.4 | 10768.6 | 11163.4 | 11183.2 | 11046.6 | 10697.9 | 10081.0 | 9618.7 |
| 60°   | 9260.1 | 9301.2 | 9965.8  | 11059.8 | 12112.6 | 12550.2 | 11959.6 | 10964.4 | 9835.9  | 9194.3 |
| 62.5° | 8029.6 | 8138.1 | 8939.3  | 10704.5 | 12879.2 | 14122.9 | 12691.7 | 10559.7 | 8829.1  | 7991.7 |
| 65°   | 5754.4 | 5943.6 | 6828.7  | 9135.1  | 12810.1 | 15504.8 | 12586.4 | 9061.0  | 6894.5  | 5928.8 |
| 67.5° | 2610.7 | 2803.2 | 3555.0  | 6254.5  | 11135.5 | 15129.7 | 11109.1 | 6320.3  | 3732.7  | 2813.1 |
| 70°   | 945.9  | 978.8  | 1220.6  | 2503.8  | 7116.6  | 12055.1 | 7420.9  | 2521.9  | 1298.0  | 1043.0 |
| 72.5° | 572.5  | 577.4  | 628.4   | 896.6   | 2472.5  | 7318.9  | 2577.8  | 926.2   | 641.6   | 569.2  |
| 75°   | 363.6  | 360.3  | 447.5   | 547.8   | 876.8   | 2469.2  | 919.6   | 547.8   | 445.8   | 406.3  |
| 77.5° | 261.6  | 269.8  | 320.8   | 409.6   | 552.7   | 837.3   | 542.9   | 391.5   | 320.8   | 263.2  |
| 80°   | 195.8  | 200.7  | 233.6   | 319.1   | 388.2   | 521.5   | 345.5   | 289.5   | 241.8   | 164.5  |
| 82.5° | 141.5  | 141.5  | 153.0   | 232.0   | 236.9   | 281.3   | 187.5   | 204.0   | 159.6   | 116.8  |
| 85°   | 83.9   | 82.3   | 95.4    | 138.2   | 123.4   | 103.6   | 85.5    | 125.0   | 100.3   | 72.4   |
| 87.5° | 29.6   | 31.3   | 29.6    | 39.5    | 32.9    | 28.0    | 26.3    | 34.5    | 28.0    | 24.7   |
| 90°   | 0.0    | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |

(END C

| 90°    |
|--------|
| 3902.1 |
| 3925.1 |
| 3979.4 |
| 4061.7 |
| 4160.4 |
| 4262.4 |
| 4374.2 |
| 4527.2 |
| 4700.0 |
| 4885.9 |
| 5094.8 |
| 5311.9 |
| 5548.8 |
| 5826.8 |
| 6139.4 |
| 6481.6 |
| 6832.0 |
| 7254.7 |
| 7713.7 |
| 8197.4 |
| 8695.8 |
| 9177.8 |
| 9533.2 |
| 9589.1 |
| 9118.6 |
| 7942.4 |
| 5858.1 |
| 2771.9 |
| 1029.8 |
| 579.1  |
| 409.6  |
| 268.1  |
| 169.4  |
| 116.8  |
| 70.7   |
| 23.0   |
| 0.0    |