

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: P956822

Luminaire Tested: **GLAN-SB9B-840-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956822  
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-SB9B-840-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51409 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 329.5  
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

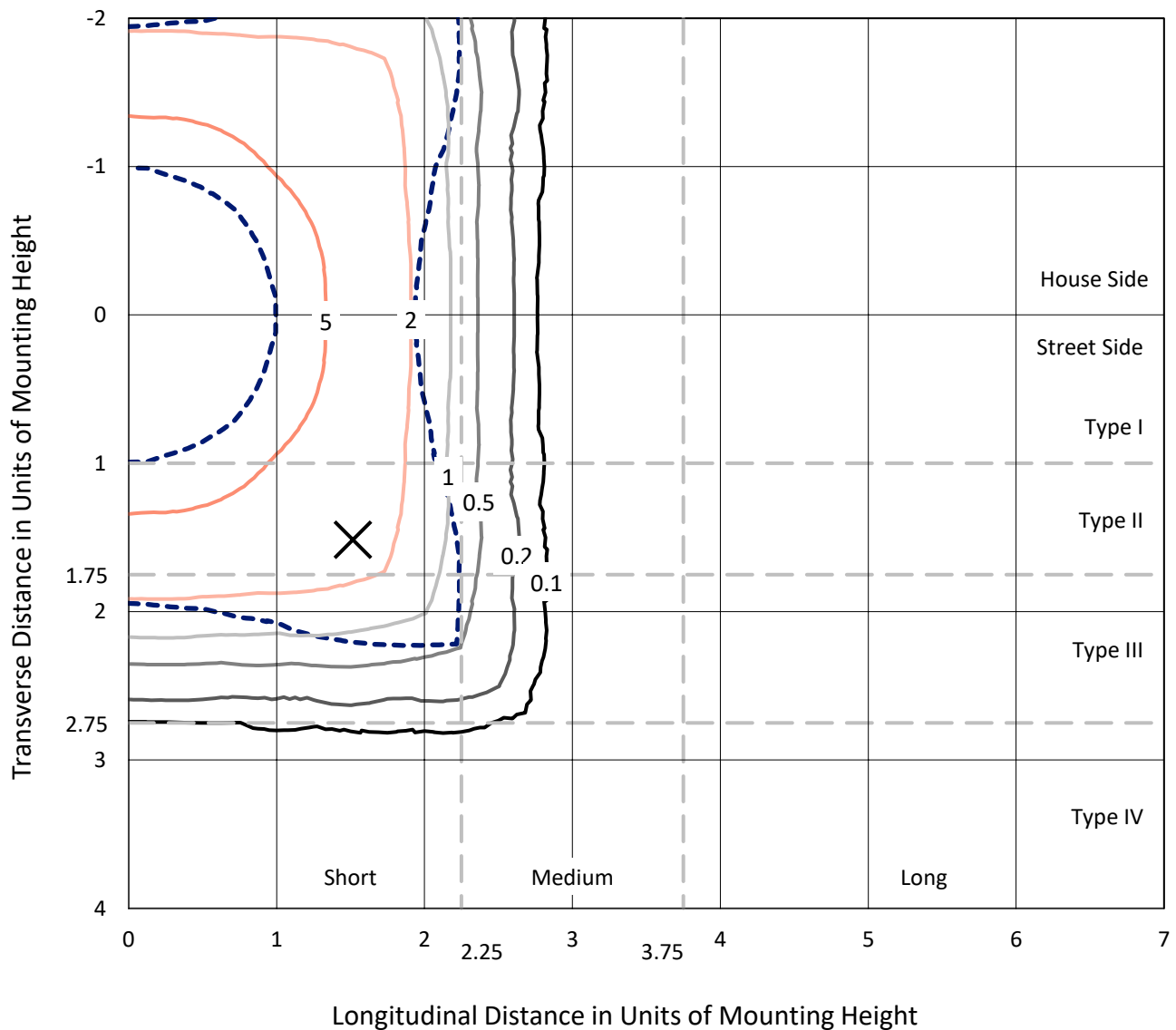


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## Iso-Footcandle Lines of Horizontal Illumination

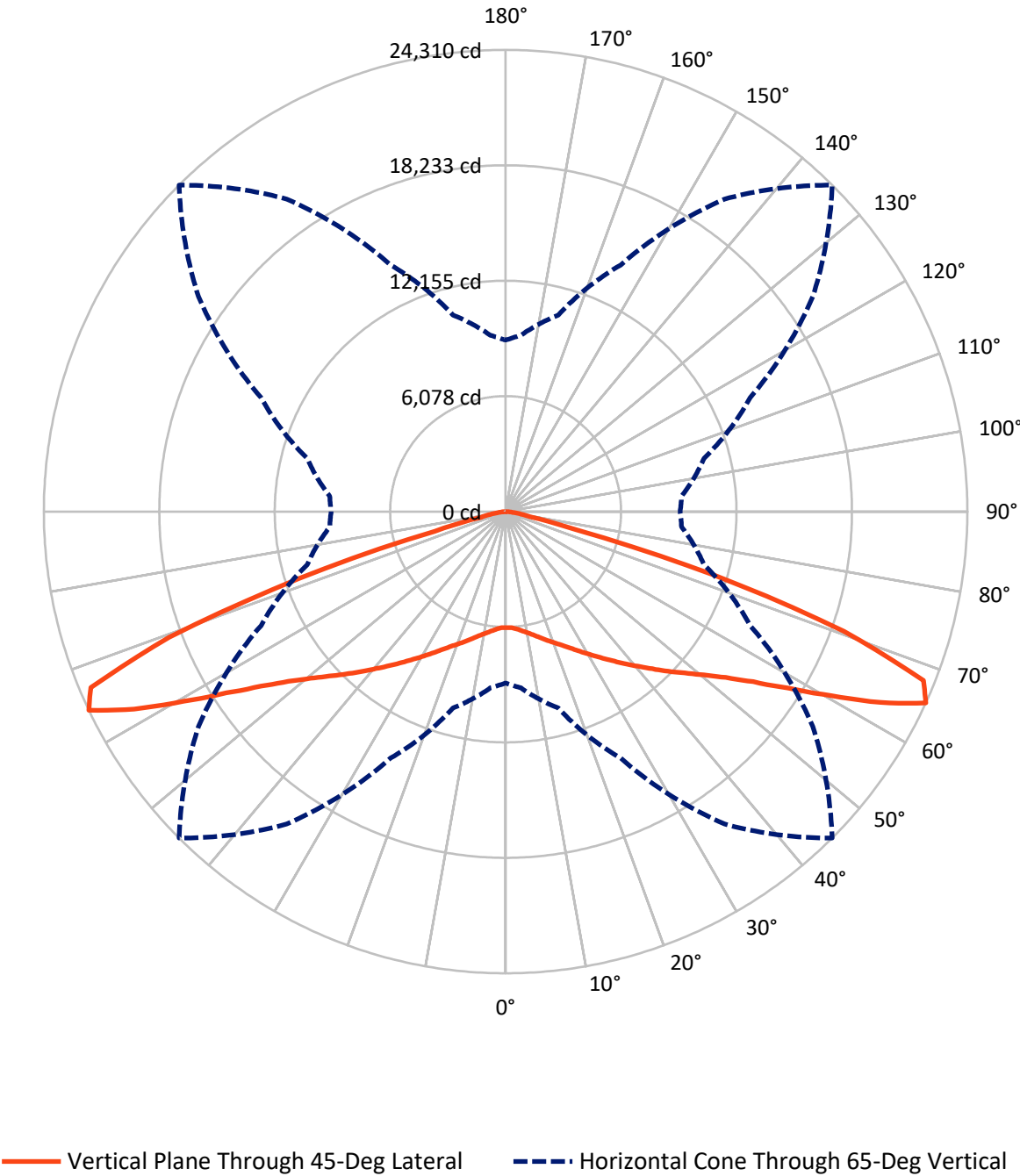
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 25704.5  | 0.0    | 25704.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 25704.5  | 0.0    | 25704.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 51409.0  | 0.0    | 51409.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 603.8   | 1.2       |
| 10°-20°   | 1970.3  | 3.8       |
| 20°-30°   | 3720.1  | 7.2       |
| 30°-40°   | 6091.5  | 11.8      |
| 40°-50°   | 9444.9  | 18.4      |
| 50°-60°   | 13952.1 | 27.1      |
| 60°-70°   | 13281.1 | 25.8      |
| 70°-80°   | 2143.1  | 4.2       |
| 80°-90°   | 202.0   | 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°    | 51409.0 | 100.0     |
| 0°-180°   | 51409.0 | 100.0     |

**Coefficient of Utilization**



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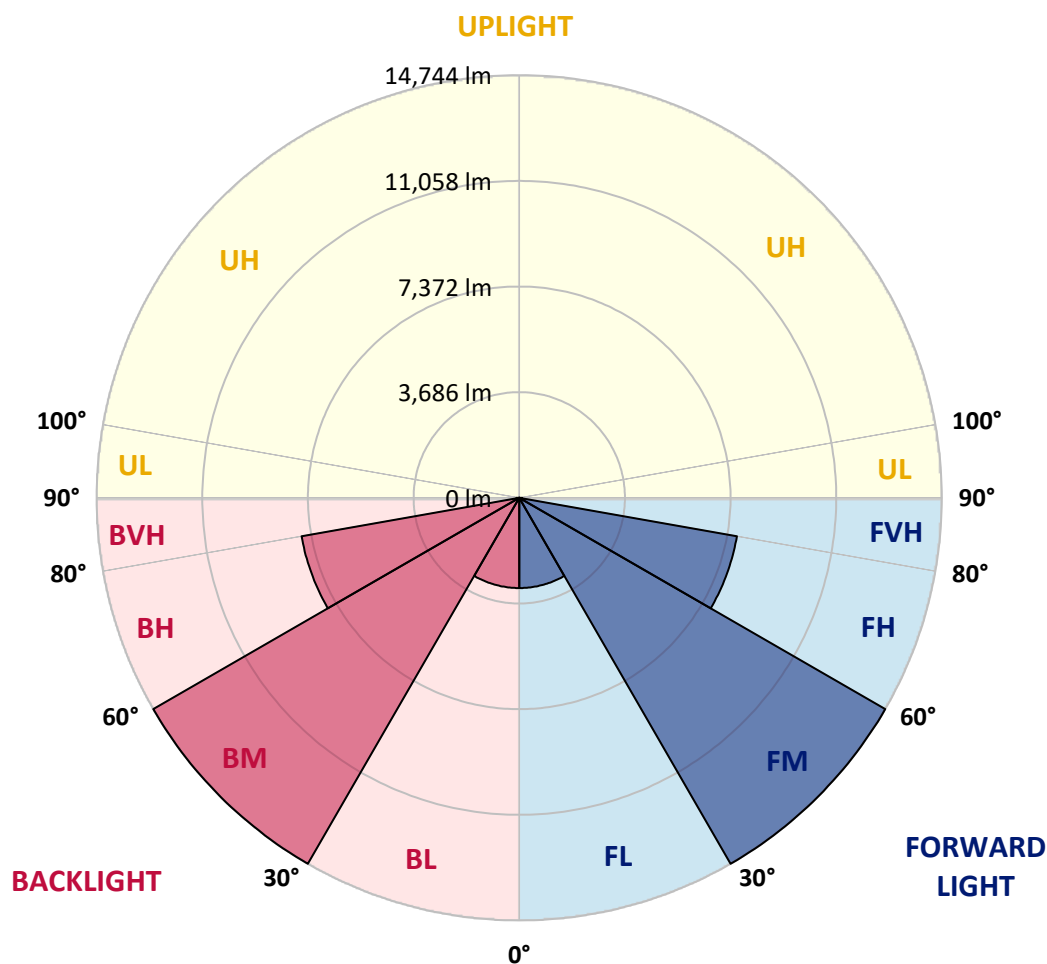
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3147.1  | 6.1       |                         |      |          |
| FM   | (30°-60°)   | 14744.3 | 28.7      |                         |      |          |
| FH   | (60°-80°)   | 7712.1  | 15.0      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 101.0   | 0.2       |                         |      | G2/225   |
| BL   | (0°-30°)    | 3147.1  | 6.1       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 14744.3 | 28.7      | B5                      |      |          |
| BH   | (60°-80°)   | 7712.1  | 15.0      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 101.0   | 0.2       |                         |      | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  | 6118.2  |
| 2.5°  | 6159.5  | 6138.8  | 6154.3  | 6141.4  | 6131.1  | 6120.8  | 6125.9  | 6144.0  | 6151.7  | 6154.3  |
| 5°    | 6242.0  | 6223.9  | 6231.7  | 6231.7  | 6213.6  | 6208.5  | 6211.0  | 6223.9  | 6239.4  | 6239.4  |
| 7.5°  | 6376.1  | 6358.1  | 6376.1  | 6365.8  | 6350.3  | 6345.2  | 6342.6  | 6352.9  | 6376.1  | 6376.1  |
| 10°   | 6538.6  | 6518.0  | 6528.3  | 6523.1  | 6505.1  | 6497.3  | 6494.8  | 6510.2  | 6530.9  | 6528.3  |
| 12.5° | 6716.6  | 6693.4  | 6706.3  | 6690.8  | 6685.6  | 6677.9  | 6677.9  | 6675.3  | 6688.2  | 6677.9  |
| 15°   | 6915.2  | 6899.7  | 6904.9  | 6894.6  | 6902.3  | 6897.1  | 6876.5  | 6866.2  | 6871.4  | 6855.9  |
| 17.5° | 7149.9  | 7113.8  | 7131.9  | 7126.7  | 7126.7  | 7137.0  | 7103.5  | 7090.6  | 7100.9  | 7085.4  |
| 20°   | 7420.7  | 7384.6  | 7392.4  | 7382.1  | 7369.2  | 7379.5  | 7338.2  | 7348.5  | 7356.3  | 7345.9  |
| 22.5° | 7717.4  | 7670.9  | 7668.4  | 7673.5  | 7645.2  | 7647.7  | 7619.4  | 7645.2  | 7660.6  | 7632.3  |
| 25°   | 8021.7  | 7972.7  | 8006.3  | 7993.4  | 7957.3  | 7965.0  | 7944.4  | 7970.1  | 7983.0  | 7946.9  |
| 27.5° | 8344.2  | 8310.6  | 8341.6  | 8349.3  | 8305.5  | 8336.4  | 8305.5  | 8328.7  | 8341.6  | 8287.4  |
| 30°   | 8720.7  | 8687.2  | 8715.6  | 8736.2  | 8684.6  | 8733.6  | 8707.8  | 8723.3  | 8725.9  | 8661.4  |
| 32.5° | 9130.8  | 9079.3  | 9151.5  | 9161.8  | 9105.1  | 9164.4  | 9130.8  | 9151.5  | 9164.4  | 9076.7  |
| 35°   | 9631.2  | 9566.8  | 9649.3  | 9636.4  | 9587.4  | 9636.4  | 9605.4  | 9636.4  | 9667.4  | 9561.6  |
| 37.5° | 10170.3 | 10103.3 | 10191.0 | 10167.7 | 10121.3 | 10154.8 | 10136.8 | 10157.4 | 10206.4 | 10092.9 |
| 40°   | 10763.6 | 10681.0 | 10799.7 | 10758.4 | 10714.6 | 10709.4 | 10719.7 | 10732.6 | 10797.1 | 10670.7 |
| 42.5° | 11398.1 | 11310.4 | 11488.4 | 11423.9 | 11362.0 | 11320.7 | 11354.2 | 11380.0 | 11441.9 | 11300.1 |
| 45°   | 12122.9 | 12022.3 | 12254.4 | 12177.0 | 12079.0 | 11993.9 | 12048.1 | 12086.8 | 12177.0 | 12006.8 |
| 47.5° | 12922.5 | 12809.0 | 13056.6 | 13033.4 | 12873.5 | 12687.8 | 12811.6 | 12922.5 | 12989.5 | 12783.2 |
| 50°   | 13704.0 | 13616.3 | 13941.3 | 13969.7 | 13773.7 | 13513.1 | 13686.0 | 13853.6 | 13871.7 | 13600.8 |
| 52.5° | 14436.5 | 14348.8 | 14820.9 | 14998.8 | 14823.4 | 14513.9 | 14697.1 | 14867.3 | 14730.6 | 14379.8 |
| 55°   | 15022.1 | 14949.8 | 15550.8 | 16009.9 | 16069.3 | 15813.9 | 15922.2 | 15917.1 | 15468.3 | 14929.2 |
| 57.5° | 15163.9 | 15153.6 | 15911.9 | 16884.3 | 17503.4 | 17534.3 | 17320.2 | 16773.4 | 15806.2 | 15081.4 |
| 60°   | 14519.1 | 14583.6 | 15625.6 | 17340.9 | 18991.7 | 19677.8 | 18751.8 | 17191.3 | 15421.9 | 14415.9 |
| 62.5° | 12589.7 | 12760.0 | 14016.1 | 16783.7 | 20193.6 | 22143.6 | 19899.6 | 16556.8 | 13843.3 | 12530.4 |
| 65°   | 9022.5  | 9319.1  | 10706.8 | 14323.1 | 20085.3 | 24310.2 | 19734.5 | 14207.0 | 10810.0 | 9295.9  |
| 67.5° | 4093.4  | 4395.2  | 5573.9  | 9806.6  | 17459.5 | 23722.2 | 17418.3 | 9909.8  | 5852.5  | 4410.7  |
| 70°   | 1483.1  | 1534.7  | 1913.9  | 3925.7  | 11158.2 | 18901.4 | 11635.4 | 3954.1  | 2035.1  | 1635.3  |
| 72.5° | 897.6   | 905.3   | 985.3   | 1405.7  | 3876.7  | 11475.5 | 4041.8  | 1452.2  | 1005.9  | 892.5   |
| 75°   | 570.0   | 564.9   | 701.6   | 858.9   | 1374.8  | 3871.6  | 1441.8  | 858.9   | 699.0   | 637.1   |
| 77.5° | 410.1   | 423.0   | 503.0   | 642.3   | 866.7   | 1312.9  | 851.2   | 613.9   | 503.0   | 412.7   |
| 80°   | 306.9   | 314.7   | 366.3   | 500.4   | 608.7   | 817.6   | 541.7   | 454.0   | 379.2   | 257.9   |
| 82.5° | 221.8   | 221.8   | 239.9   | 363.7   | 371.4   | 441.1   | 294.0   | 319.8   | 250.2   | 183.1   |
| 85°   | 131.5   | 129.0   | 149.6   | 216.7   | 193.5   | 162.5   | 134.1   | 196.0   | 157.3   | 113.5   |
| 87.5° | 46.4    | 49.0    | 46.4    | 61.9    | 51.6    | 43.8    | 41.3    | 54.2    | 43.8    | 38.7    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 6118.2  |
| 6154.3  |
| 6239.4  |
| 6368.4  |
| 6523.1  |
| 6683.1  |
| 6858.5  |
| 7098.3  |
| 7369.2  |
| 7660.6  |
| 7988.2  |
| 8328.7  |
| 8700.1  |
| 9136.0  |
| 9626.1  |
| 10162.6 |
| 10712.0 |
| 11374.9 |
| 12094.5 |
| 12852.8 |
| 13634.4 |
| 14390.1 |
| 14947.3 |
| 15034.9 |
| 14297.3 |
| 12453.0 |
| 9185.0  |
| 4346.2  |
| 1614.7  |
| 907.9   |
| 642.3   |
| 420.4   |
| 265.7   |
| 183.1   |
| 110.9   |
| 36.1    |
| 0.0     |

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