

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: P955565

Luminaire Tested: **GLAN-SB8C-727-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P955565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-727-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 57841 lumens  
Efficiency: N/A  
Efficacy: 144.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 399.8  
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



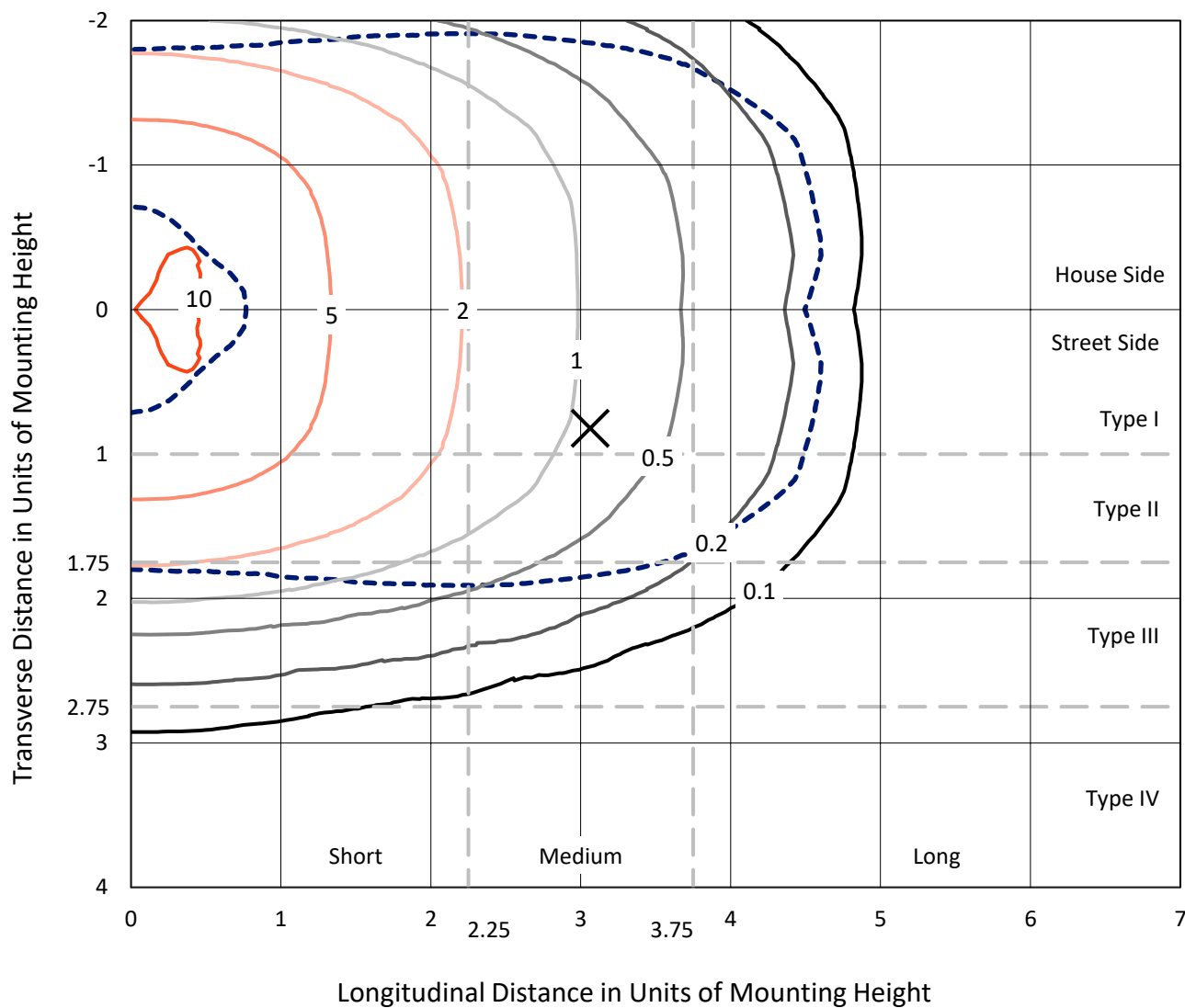
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## Iso-Footcandle Lines of Horizontal Illumination

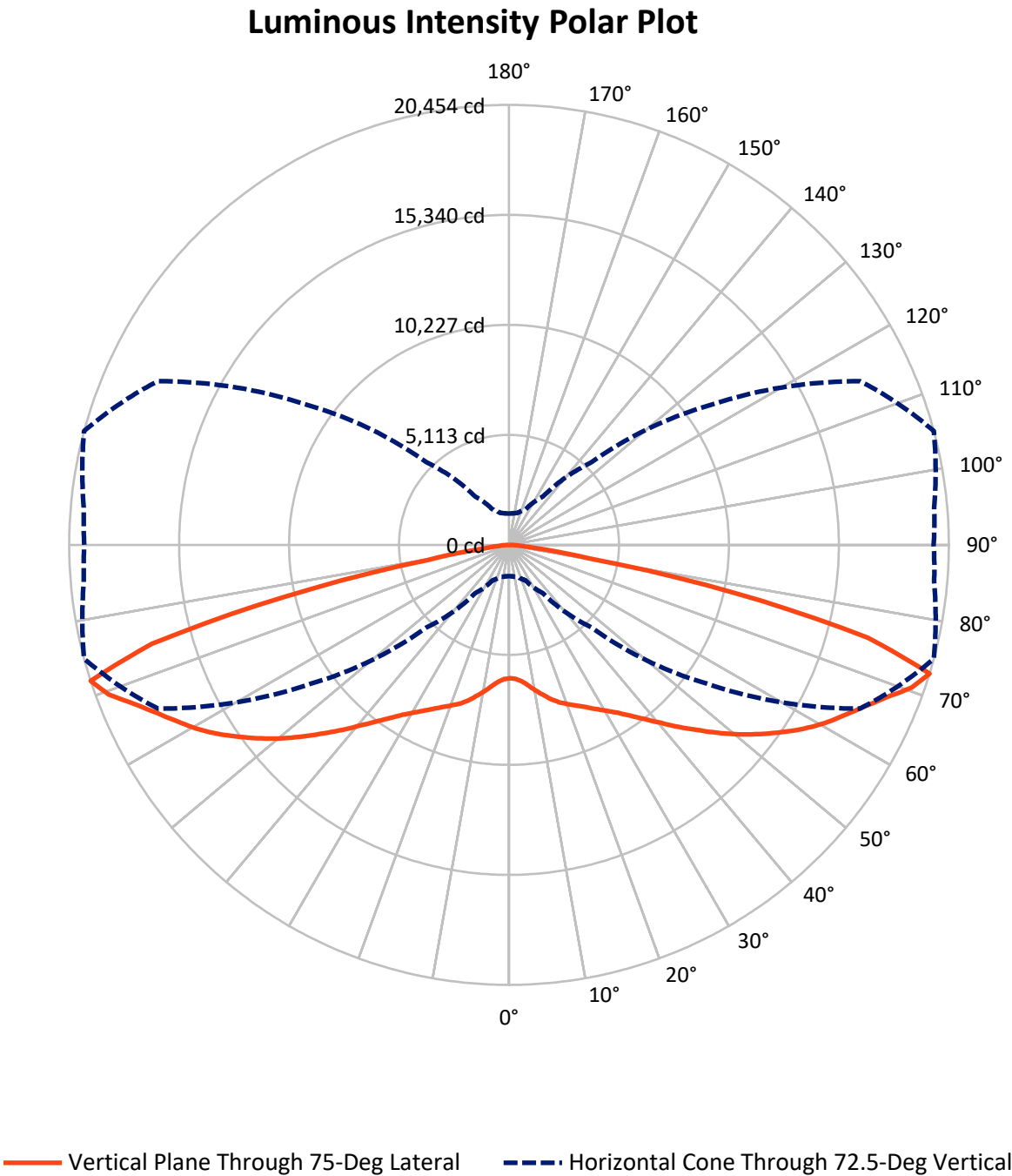
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
Type III - Medium - N/A

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 28920.5  | 0.0    | 28920.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 28920.5  | 0.0    | 28920.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 57841.0  | 0.0    | 57841.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 606.9   | 1.0       |
| 10°-20°   | 2001.8  | 3.5       |
| 20°-30°   | 3868.0  | 6.7       |
| 30°-40°   | 6531.4  | 11.3      |
| 40°-50°   | 10358.1 | 17.9      |
| 50°-60°   | 13868.3 | 24.0      |
| 60°-70°   | 13198.1 | 22.8      |
| 70°-80°   | 6887.0  | 11.9      |
| 80°-90°   | 521.3   | 0.9       |
| 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°    | 57841.0 | 100.0     |
| 0°-180°   | 57841.0 | 100.0     |

**Coefficient of Utilization**



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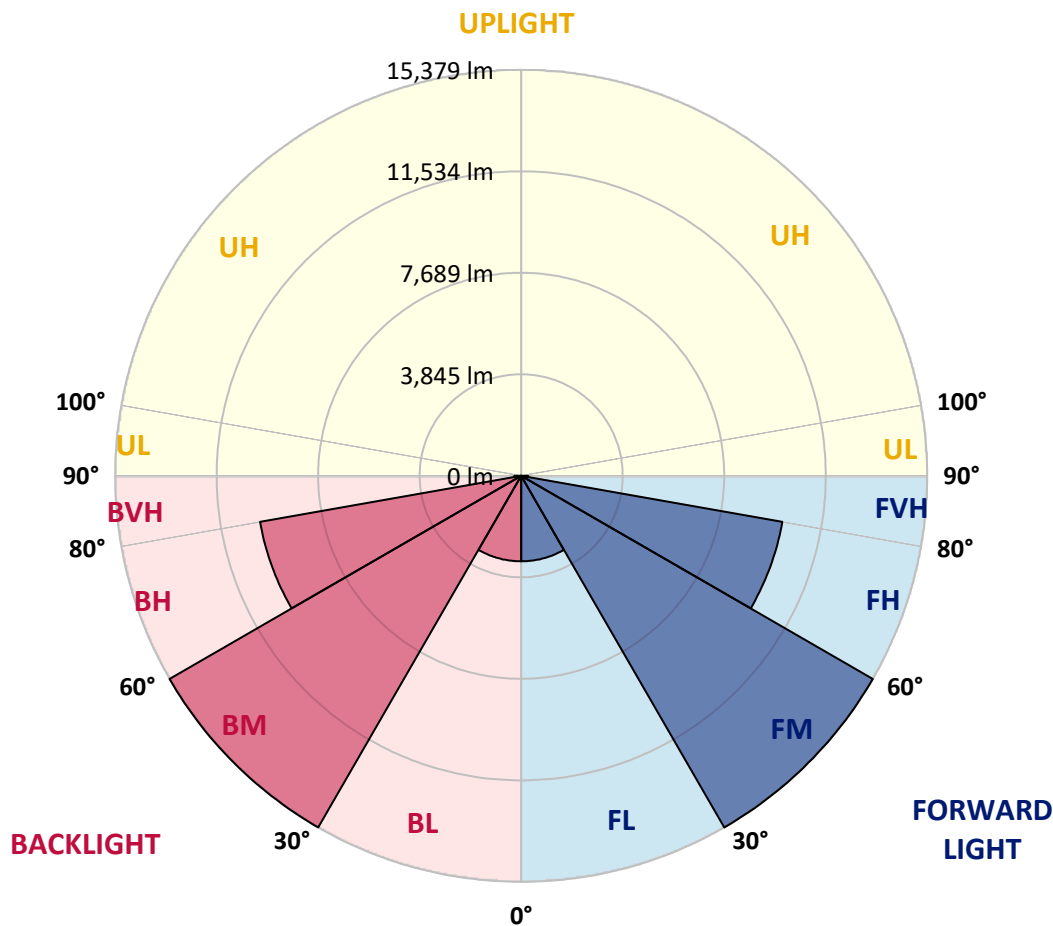
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3238.4  | 5.6       |                         |      |          |
| FM   | (30°-60°)   | 15378.9 | 26.6      |                         |      |          |
| FH   | (60°-80°)   | 10042.6 | 17.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 260.7   | 0.5       |                         |      | G3/500   |
| BL   | (0°-30°)    | 3238.4  | 5.6       | B4/5000                 |      |          |
| BM   | (30°-60°)   | 15378.9 | 26.6      | B5                      |      |          |
| BH   | (60°-80°)   | 10042.6 | 17.4      | B5                      |      | G5       |
| BVH  | (80°-90°)   | 260.7   | 0.5       |                         |      | G3/500   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  | 6195.8  |
| 2.5°  | 6195.8  | 6189.9  | 6195.8  | 6201.7  | 6198.8  | 6198.8  | 6213.5  | 6222.4  | 6240.1  | 6237.2  |
| 5°    | 6154.5  | 6151.5  | 6175.1  | 6201.7  | 6222.4  | 6257.8  | 6302.1  | 6334.6  | 6376.0  | 6384.8  |
| 7.5°  | 6133.8  | 6124.9  | 6166.3  | 6213.5  | 6278.5  | 6367.1  | 6452.7  | 6541.3  | 6612.2  | 6635.8  |
| 10°   | 6148.6  | 6151.5  | 6207.6  | 6296.2  | 6399.6  | 6523.6  | 6644.7  | 6795.3  | 6895.7  | 6919.3  |
| 12.5° | 6216.5  | 6210.6  | 6305.1  | 6446.8  | 6588.6  | 6745.1  | 6886.9  | 7052.2  | 7161.5  | 7217.6  |
| 15°   | 6340.5  | 6328.7  | 6461.6  | 6671.3  | 6878.0  | 7061.1  | 7176.3  | 7332.8  | 7459.8  | 7530.7  |
| 17.5° | 6488.2  | 6494.1  | 6668.3  | 6940.0  | 7211.7  | 7418.4  | 7527.7  | 7607.4  | 7704.9  | 7766.9  |
| 20°   | 6748.1  | 6759.9  | 6954.8  | 7276.7  | 7586.8  | 7823.0  | 7911.6  | 7882.1  | 7908.7  | 7955.9  |
| 22.5° | 7096.5  | 7102.4  | 7321.0  | 7669.5  | 7994.3  | 8254.2  | 8313.2  | 8192.2  | 8118.3  | 8150.8  |
| 25°   | 7501.1  | 7539.5  | 7758.0  | 8115.4  | 8449.1  | 8697.2  | 8723.7  | 8540.6  | 8357.5  | 8366.4  |
| 27.5° | 7994.3  | 8029.7  | 8251.2  | 8605.6  | 8945.2  | 9160.8  | 9157.9  | 8912.7  | 8644.0  | 8576.1  |
| 30°   | 8528.8  | 8567.2  | 8794.6  | 9160.8  | 9476.8  | 9665.8  | 9624.5  | 9332.1  | 8948.2  | 8821.2  |
| 32.5° | 9163.8  | 9187.4  | 9417.7  | 9783.9  | 10076.3 | 10226.9 | 10141.3 | 9781.0  | 9302.6  | 9157.9  |
| 35°   | 9931.6  | 9967.0  | 10138.3 | 10483.8 | 10740.8 | 10864.8 | 10720.1 | 10294.8 | 9757.4  | 9594.9  |
| 37.5° | 10808.7 | 10785.1 | 10980.0 | 11287.1 | 11499.7 | 11576.5 | 11378.7 | 10873.7 | 10277.1 | 10085.2 |
| 40°   | 11724.2 | 11712.4 | 11925.0 | 12220.3 | 12335.5 | 12382.8 | 12090.4 | 11538.1 | 10876.6 | 10669.9 |
| 42.5° | 12554.0 | 12545.2 | 12831.6 | 13159.4 | 13298.2 | 13245.1 | 12875.9 | 12244.0 | 11570.6 | 11334.4 |
| 45°   | 13218.5 | 13206.7 | 13558.1 | 14018.8 | 14290.5 | 14201.9 | 13705.8 | 13023.6 | 12273.5 | 12028.4 |
| 47.5° | 13729.4 | 13735.3 | 14113.3 | 14683.3 | 15158.8 | 15191.2 | 14553.4 | 13818.0 | 13047.2 | 12769.6 |
| 50°   | 14098.6 | 14116.3 | 14520.9 | 15152.9 | 15802.6 | 16089.0 | 15418.6 | 14633.1 | 13847.5 | 13534.5 |
| 52.5° | 14190.1 | 14222.6 | 14709.9 | 15451.1 | 16216.0 | 16762.3 | 16298.7 | 15415.7 | 14606.5 | 14308.2 |
| 55°   | 13702.8 | 13767.8 | 14385.0 | 15427.5 | 16470.0 | 17205.3 | 17072.4 | 16210.1 | 15371.4 | 15064.3 |
| 57.5° | 12583.6 | 12675.1 | 13395.7 | 14757.1 | 16413.9 | 17509.5 | 17671.9 | 16972.0 | 16136.3 | 15840.9 |
| 60°   | 11015.4 | 11124.7 | 11815.7 | 13301.2 | 15622.4 | 17621.7 | 18094.2 | 17713.3 | 16839.1 | 16552.7 |
| 62.5° | 8649.9  | 8791.7  | 9618.6  | 11360.9 | 13950.9 | 17099.0 | 18454.5 | 18383.6 | 17471.1 | 17113.8 |
| 65°   | 5549.1  | 5699.7  | 6570.9  | 8629.2  | 11721.2 | 15498.4 | 18566.7 | 19036.3 | 18138.5 | 17639.4 |
| 67.5° | 3346.0  | 3413.9  | 3845.1  | 5230.1  | 8567.2  | 13085.6 | 17615.8 | 19759.8 | 18918.2 | 18298.0 |
| 70°   | 2141.1  | 2179.5  | 2436.4  | 3071.3  | 4843.2  | 9547.7  | 15259.2 | 19895.7 | 19863.2 | 18974.3 |
| 72.5° | 1453.0  | 1464.8  | 1532.7  | 1819.2  | 2740.6  | 5425.0  | 11254.6 | 18011.5 | 20453.8 | 19845.5 |
| 75°   | 1063.2  | 1128.1  | 1237.4  | 1287.6  | 1556.3  | 2711.0  | 6449.8  | 12654.4 | 17237.8 | 17503.6 |
| 77.5° | 791.5   | 794.4   | 945.0   | 1004.1  | 1110.4  | 1444.1  | 2728.8  | 7064.0  | 10702.4 | 11236.9 |
| 80°   | 670.4   | 634.9   | 632.0   | 809.2   | 835.8   | 900.7   | 1219.7  | 2439.3  | 3833.2  | 2324.2  |
| 82.5° | 558.2   | 519.8   | 469.6   | 632.0   | 570.0   | 552.2   | 528.6   | 992.3   | 1219.7  | 599.5   |
| 85°   | 389.8   | 372.1   | 354.4   | 413.4   | 324.9   | 277.6   | 254.0   | 463.7   | 513.9   | 254.0   |
| 87.5° | 168.3   | 174.2   | 177.2   | 183.1   | 135.8   | 97.5    | 97.5    | 129.9   | 129.9   | 100.4   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END C

| 90°     |
|---------|
| 6195.8  |
| 6234.2  |
| 6384.8  |
| 6641.7  |
| 6943.0  |
| 7241.2  |
| 7557.2  |
| 7796.4  |
| 7991.4  |
| 8174.4  |
| 8381.2  |
| 8596.8  |
| 8836.0  |
| 9193.3  |
| 9618.6  |
| 10120.6 |
| 10737.8 |
| 11393.4 |
| 12084.5 |
| 12852.3 |
| 13629.0 |
| 14385.0 |
| 15149.9 |
| 15908.9 |
| 16614.7 |
| 17155.1 |
| 17701.5 |
| 18345.3 |
| 18968.4 |
| 19751.0 |
| 16859.8 |
| 10023.1 |
| 1757.2  |
| 510.9   |
| 224.4   |
| 73.8    |
| 0.0     |

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