

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: P956027

Luminaire Tested: **GLAN-SB8D-760-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P956027  
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-SB8D-760-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 89645 lumens  
Efficiency: N/A  
Efficacy: 153.3 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): 584.9  
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

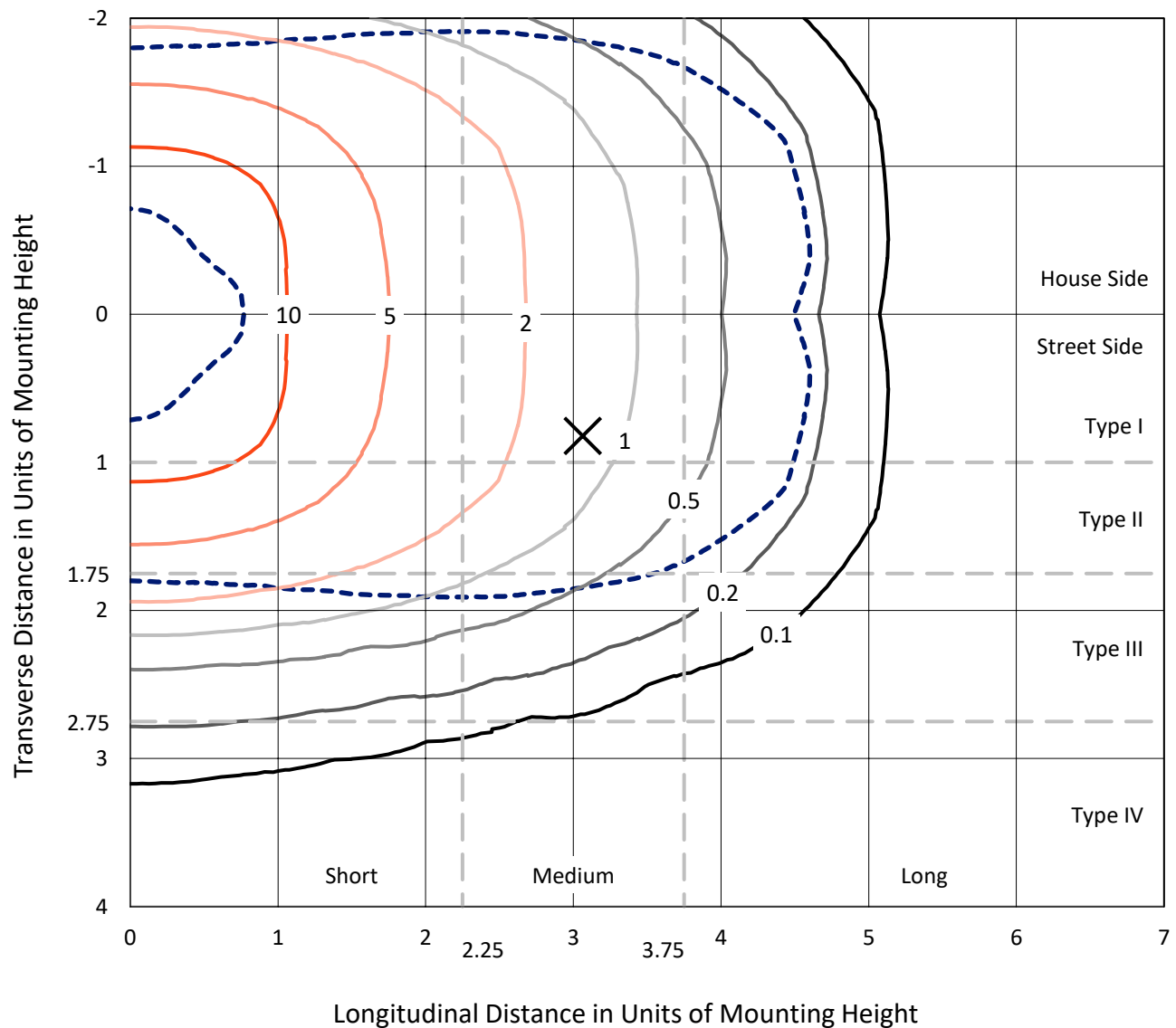


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## Iso-Footcandle Lines of Horizontal Illumination

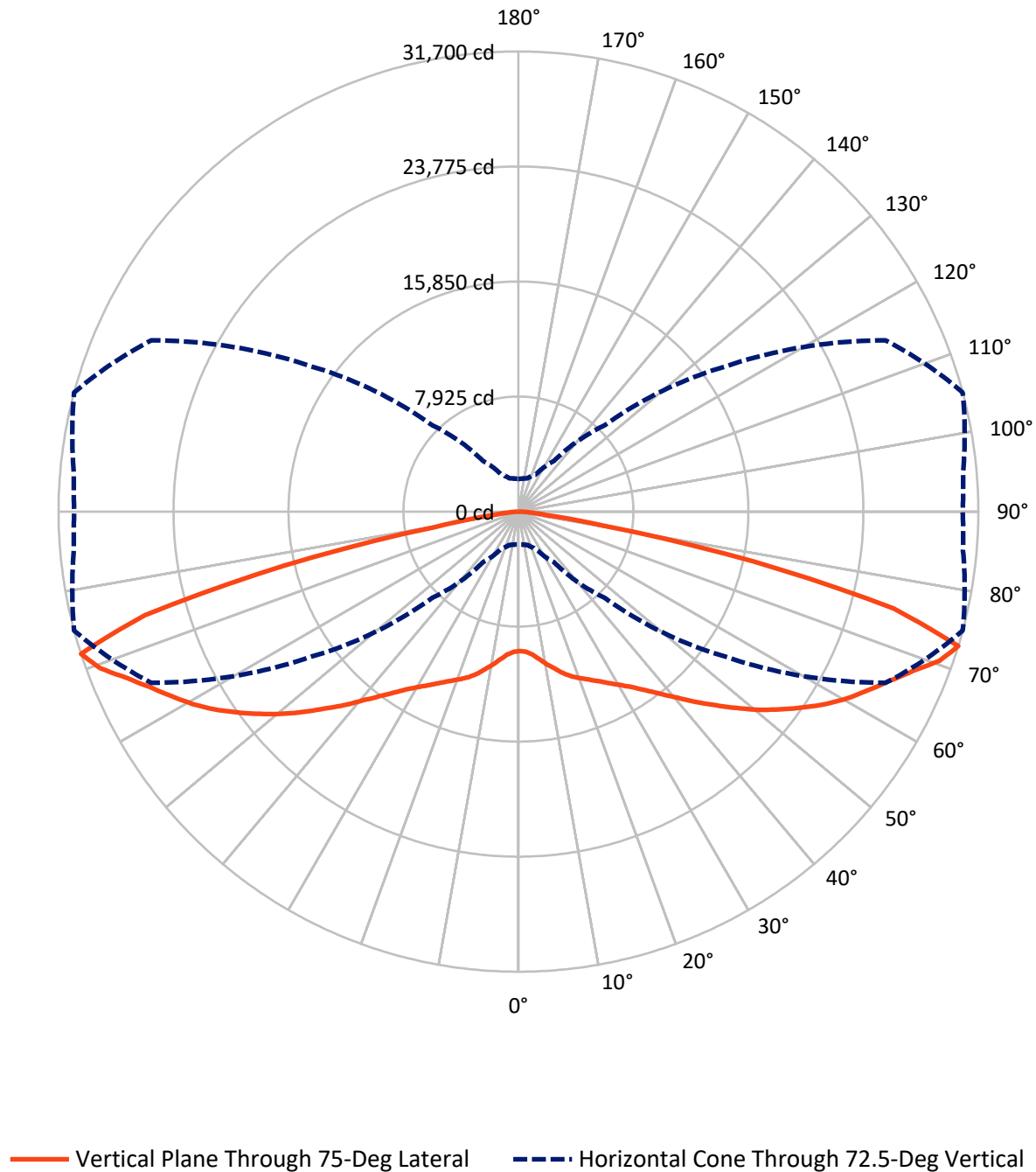
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.8 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 44822.5  | 0.0    | 44822.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 44822.5  | 0.0    | 44822.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 89645.0  | 0.0    | 89645.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 940.7   | 1.0       |
| 10°-20°   | 3102.5  | 3.5       |
| 20°-30°   | 5994.9  | 6.7       |
| 30°-40°   | 10122.7 | 11.3      |
| 40°-50°   | 16053.5 | 17.9      |
| 50°-60°   | 21493.8 | 24.0      |
| 60°-70°   | 20455.2 | 22.8      |
| 70°-80°   | 10673.9 | 11.9      |
| 80°-90°   | 808.0   | 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°    | 89645.0 | 100.0     |
| 0°-180°   | 89645.0 | 100.0     |

**Coefficient of Utilization**



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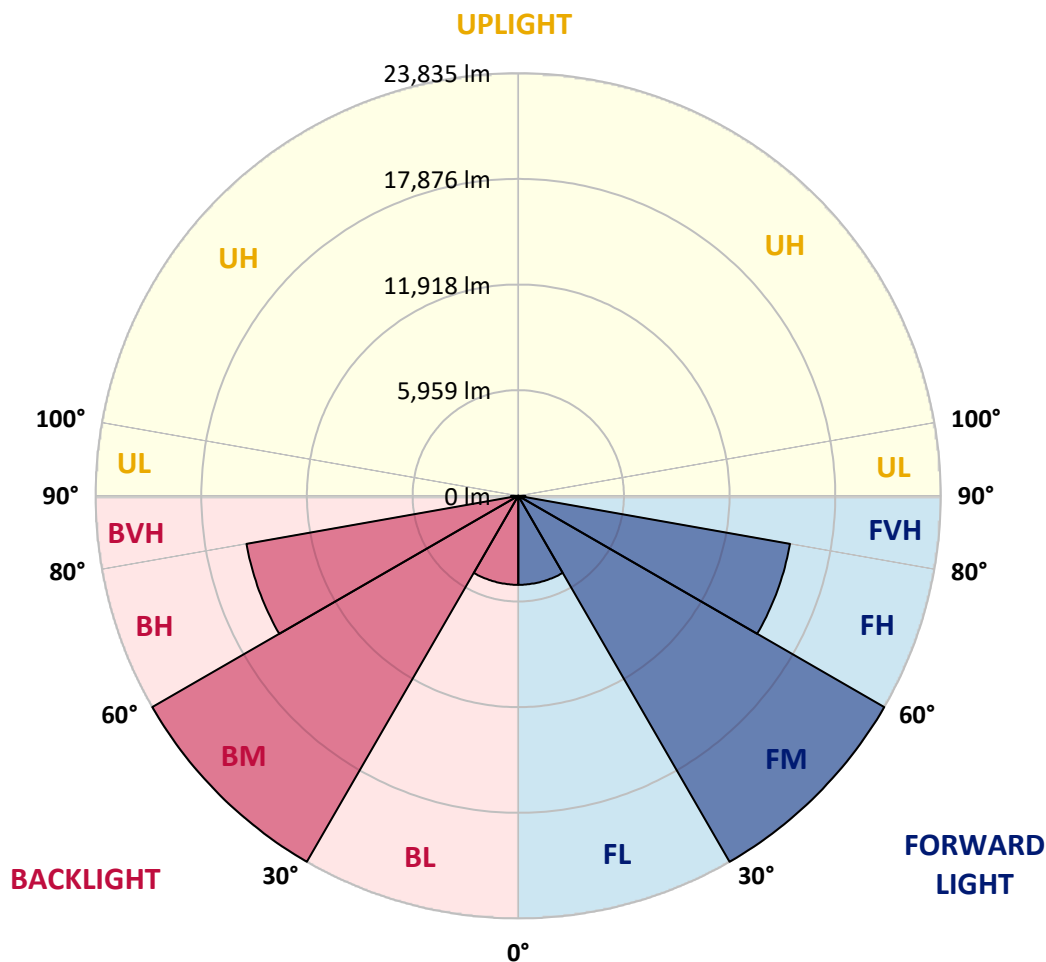
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 5019.0  | 5.6       |                         |      |        |
| FM   | (30°-60°)   | 23835.0 | 26.6      |                         |      |        |
| FH   | (60°-80°)   | 15564.5 | 17.4      |                         |      | G5     |
| FVH  | (80°-90°)   | 404.0   | 0.5       |                         |      | G3/500 |
| BL   | (0°-30°)    | 5019.0  | 5.6       | B5                      |      |        |
| BM   | (30°-60°)   | 23835.0 | 26.6      | B5                      |      |        |
| BH   | (60°-80°)   | 15564.5 | 17.4      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 404.0   | 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°    | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  | 9602.6  |
| 2.5°  | 9602.6  | 9593.4  | 9602.6  | 9611.7  | 9607.2  | 9607.2  | 9630.0  | 9643.8  | 9671.2  | 9666.7  |
| 5°    | 9538.5  | 9533.9  | 9570.5  | 9611.7  | 9643.8  | 9698.7  | 9767.4  | 9817.7  | 9881.8  | 9895.5  |
| 7.5°  | 9506.5  | 9492.7  | 9556.8  | 9630.0  | 9730.7  | 9868.1  | 10000.8 | 10138.1 | 10247.9 | 10284.6 |
| 10°   | 9529.4  | 9533.9  | 9620.9  | 9758.2  | 9918.4  | 10110.6 | 10298.3 | 10531.7 | 10687.3 | 10724.0 |
| 12.5° | 9634.6  | 9625.5  | 9771.9  | 9991.6  | 10211.3 | 10453.9 | 10673.6 | 10929.9 | 11099.3 | 11186.2 |
| 15°   | 9826.9  | 9808.6  | 10014.5 | 10339.5 | 10659.9 | 10943.7 | 11122.2 | 11364.7 | 11561.5 | 11671.4 |
| 17.5° | 10055.7 | 10064.9 | 10334.9 | 10756.0 | 11177.1 | 11497.5 | 11666.8 | 11790.4 | 11941.4 | 12037.6 |
| 20°   | 10458.5 | 10476.8 | 10778.9 | 11277.8 | 11758.4 | 12124.5 | 12261.8 | 12216.1 | 12257.3 | 12330.5 |
| 22.5° | 10998.6 | 11007.7 | 11346.4 | 11886.5 | 12390.0 | 12792.8 | 12884.3 | 12696.6 | 12582.2 | 12632.6 |
| 25°   | 11625.6 | 11685.1 | 12023.8 | 12577.6 | 13094.8 | 13479.3 | 13520.5 | 13236.7 | 12953.0 | 12966.7 |
| 27.5° | 12390.0 | 12444.9 | 12788.2 | 13337.4 | 13863.8 | 14197.9 | 14193.3 | 13813.4 | 13396.9 | 13291.7 |
| 30°   | 13218.4 | 13277.9 | 13630.4 | 14197.9 | 14687.7 | 14980.6 | 14916.5 | 14463.4 | 13868.4 | 13671.6 |
| 32.5° | 14202.5 | 14239.1 | 14596.1 | 15163.7 | 15616.8 | 15850.2 | 15717.5 | 15159.1 | 14417.6 | 14193.3 |
| 35°   | 15392.5 | 15447.4 | 15712.9 | 16248.4 | 16646.6 | 16838.9 | 16614.6 | 15955.5 | 15122.5 | 14870.7 |
| 37.5° | 16751.9 | 16715.3 | 17017.4 | 17493.4 | 17822.9 | 17941.9 | 17635.3 | 16852.6 | 15928.0 | 15630.5 |
| 40°   | 18170.8 | 18152.5 | 18482.0 | 18939.7 | 19118.2 | 19191.4 | 18738.3 | 17882.4 | 16857.2 | 16536.8 |
| 42.5° | 19456.9 | 19443.2 | 19887.1 | 20395.2 | 20610.3 | 20527.9 | 19955.8 | 18976.3 | 17932.8 | 17566.6 |
| 45°   | 20486.7 | 20468.4 | 21013.1 | 21727.1 | 22148.2 | 22010.9 | 21241.9 | 20184.7 | 19022.1 | 18642.2 |
| 47.5° | 21278.6 | 21287.7 | 21873.6 | 22756.9 | 23493.8 | 23544.2 | 22555.5 | 21415.9 | 20221.3 | 19791.0 |
| 50°   | 21850.7 | 21878.1 | 22505.2 | 23484.7 | 24491.6 | 24935.6 | 23896.6 | 22679.1 | 21461.6 | 20976.5 |
| 52.5° | 21992.6 | 22042.9 | 22798.1 | 23947.0 | 25132.4 | 25979.2 | 25260.6 | 23892.0 | 22637.9 | 22175.7 |
| 55°   | 21237.4 | 21338.1 | 22294.7 | 23910.3 | 25526.0 | 26665.7 | 26459.7 | 25123.3 | 23823.4 | 23347.4 |
| 57.5° | 19502.7 | 19644.6 | 20761.4 | 22871.4 | 25439.1 | 27137.1 | 27388.9 | 26304.1 | 25008.8 | 24551.1 |
| 60°   | 17072.3 | 17241.6 | 18312.6 | 20614.9 | 24212.4 | 27311.1 | 28043.4 | 27453.0 | 26098.2 | 25654.2 |
| 62.5° | 13406.1 | 13625.8 | 14907.3 | 17607.8 | 21621.8 | 26500.9 | 28601.8 | 28491.9 | 27077.6 | 26523.8 |
| 65°   | 8600.2  | 8833.6  | 10183.9 | 13374.0 | 18166.2 | 24020.2 | 28775.7 | 29503.5 | 28112.0 | 27338.5 |
| 67.5° | 5185.8  | 5291.0  | 5959.3  | 8105.9  | 13277.9 | 20280.8 | 27301.9 | 30624.8 | 29320.4 | 28359.2 |
| 70°   | 3318.3  | 3377.8  | 3776.0  | 4760.1  | 7506.3  | 14797.5 | 23649.5 | 30835.4 | 30785.0 | 29407.3 |
| 72.5° | 2251.9  | 2270.2  | 2375.5  | 2819.4  | 4247.5  | 8408.0  | 17443.0 | 27915.2 | 31700.4 | 30757.6 |
| 75°   | 1647.7  | 1748.4  | 1917.8  | 1995.6  | 2412.1  | 4201.7  | 9996.2  | 19612.5 | 26716.1 | 27128.0 |
| 77.5° | 1226.6  | 1231.2  | 1464.6  | 1556.2  | 1721.0  | 2238.2  | 4229.2  | 10948.2 | 16587.1 | 17415.6 |
| 80°   | 1039.0  | 984.1   | 979.5   | 1254.1  | 1295.3  | 1396.0  | 1890.3  | 3780.6  | 5941.0  | 3602.1  |
| 82.5° | 865.1   | 805.6   | 727.7   | 979.5   | 883.4   | 855.9   | 819.3   | 1537.9  | 1890.3  | 929.1   |
| 85°   | 604.2   | 576.7   | 549.2   | 640.8   | 503.5   | 430.2   | 393.6   | 718.6   | 796.4   | 393.6   |
| 87.5° | 260.9   | 270.0   | 274.6   | 283.8   | 210.5   | 151.0   | 151.0   | 201.4   | 201.4   | 155.6   |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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| 90°     |
|---------|
| 9602.6  |
| 9662.1  |
| 9895.5  |
| 10293.7 |
| 10760.6 |
| 11222.8 |
| 11712.6 |
| 12083.3 |
| 12385.4 |
| 12669.2 |
| 12989.6 |
| 13323.7 |
| 13694.4 |
| 14248.3 |
| 14907.3 |
| 15685.4 |
| 16642.0 |
| 17658.1 |
| 18729.2 |
| 19919.2 |
| 21122.9 |
| 22294.7 |
| 23480.1 |
| 24656.4 |
| 25750.3 |
| 26587.9 |
| 27434.6 |
| 28432.4 |
| 29398.2 |
| 30611.1 |
| 26130.2 |
| 15534.4 |
| 2723.3  |
| 791.8   |
| 347.9   |
| 114.4   |
| 0.0     |

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