

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: P952432

Luminaire Tested: **GLAN-SB6B-750-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37834 lumens  
Efficiency: N/A  
Efficacy: 171.7 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): 220.4  
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

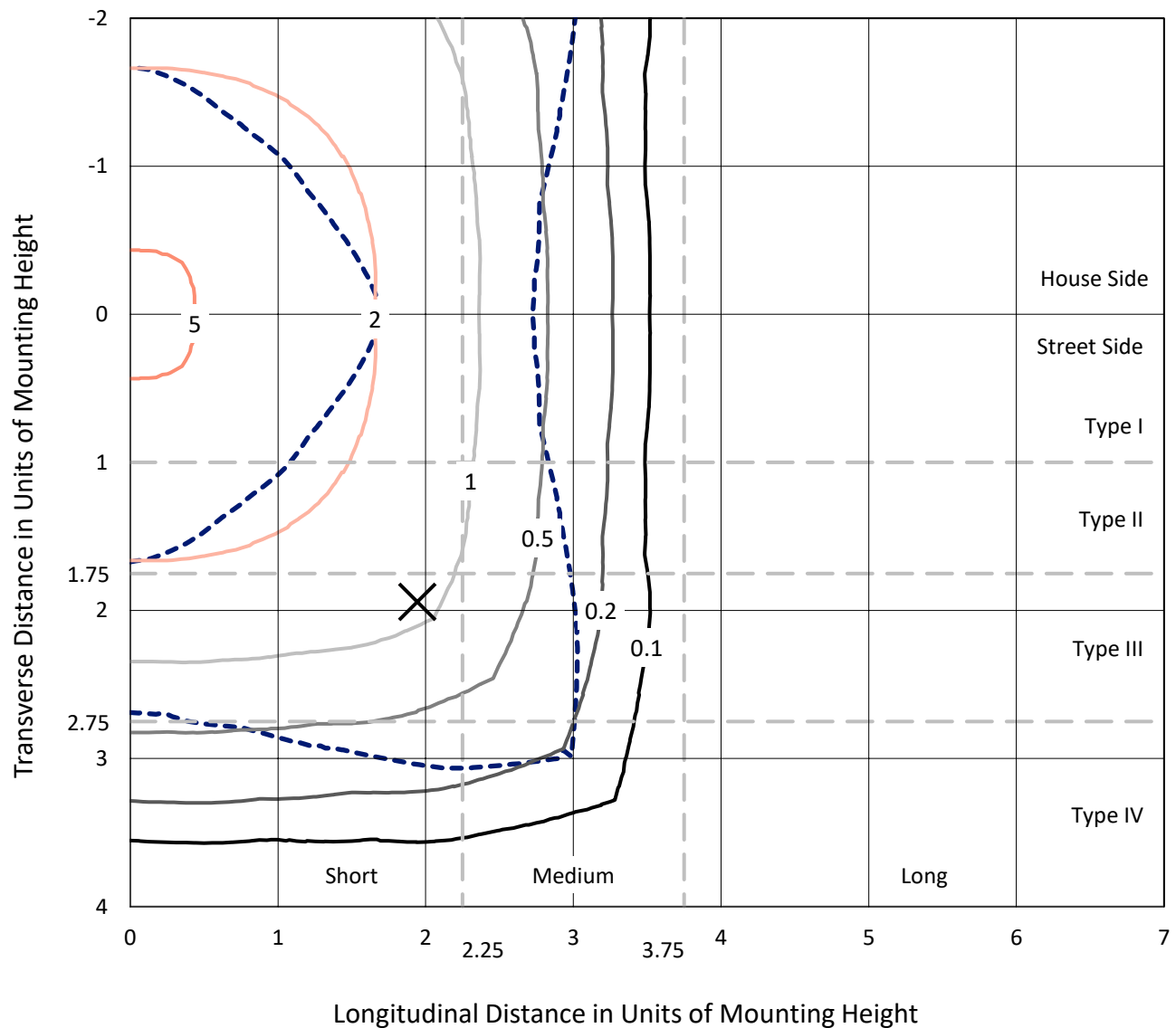


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## Iso-Footcandle Lines of Horizontal Illumination

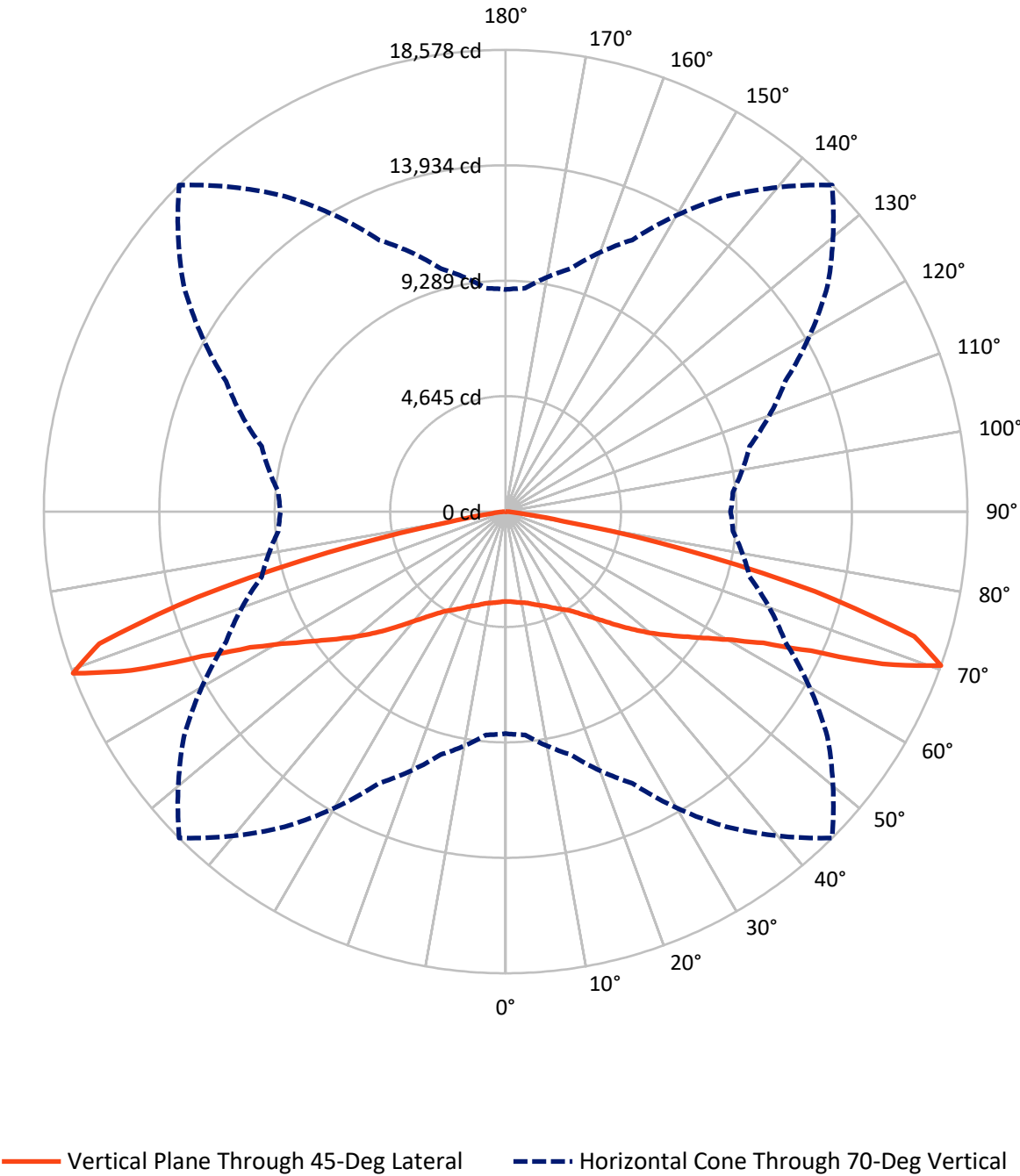
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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    | 18917.0  | 0.0    | 18917.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 18917.0  | 0.0    | 18917.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 37834.0  | 0.0    | 37834.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 352.1   | 0.9       |
| 10°-20°   | 1091.8  | 2.9       |
| 20°-30°   | 1951.1  | 5.2       |
| 30°-40°   | 3162.7  | 8.4       |
| 40°-50°   | 5151.6  | 13.6      |
| 50°-60°   | 7854.4  | 20.8      |
| 60°-70°   | 11684.8 | 30.9      |
| 70°-80°   | 6368.6  | 16.8      |
| 80°-90°   | 216.9   | 0.6       |
| 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°    | 37834.0 | 100.0     |
| 0°-180°   | 37834.0 | 100.0     |

**Coefficient of Utilization**



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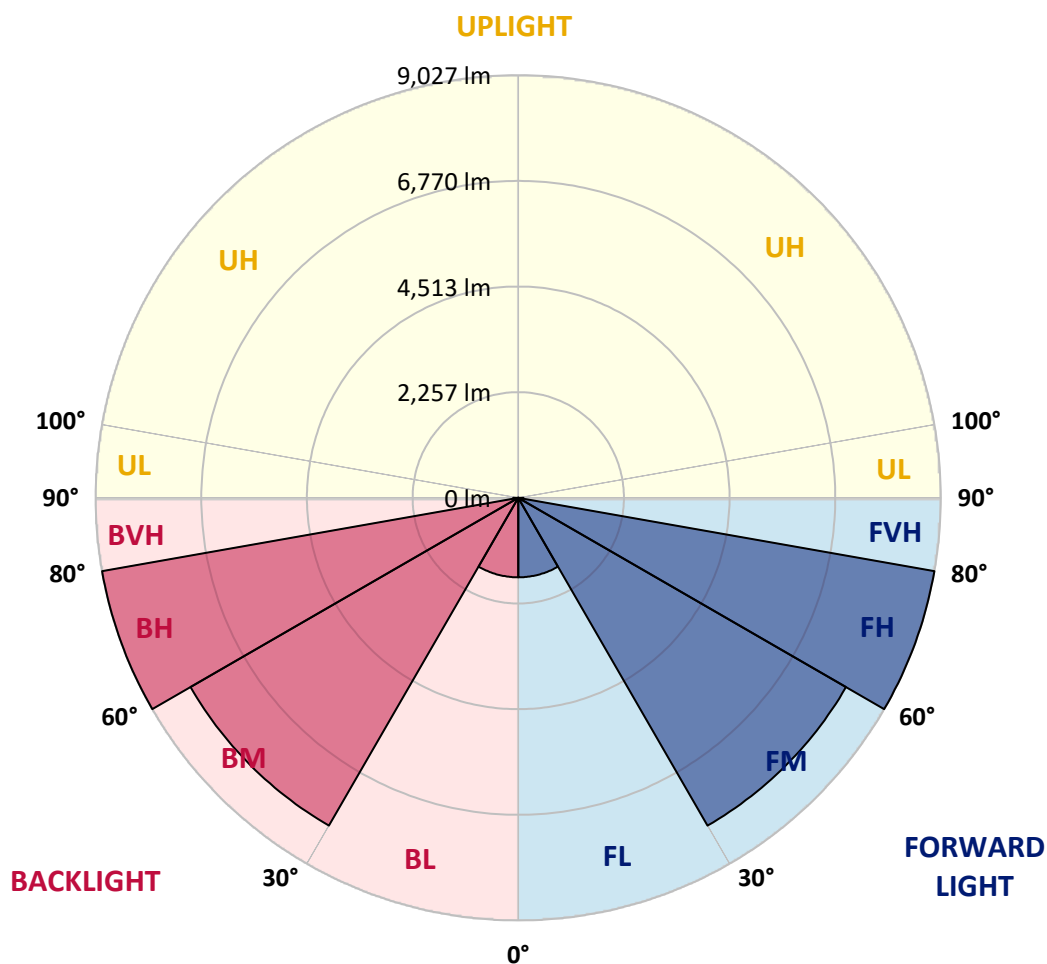
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 1697.5 | 4.5       |                         |      |          |
| FM   | (30°-60°)   | 8084.4 | 21.4      |                         |      |          |
| FH   | (60°-80°)   | 9026.7 | 23.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 108.4  | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 1697.5 | 4.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 8084.4 | 21.4      | B4/8500                 |      |          |
| BH   | (60°-80°)   | 9026.7 | 23.9      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 108.4  | 0.3       |                         |      | 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°    | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  | 3624.1  |
| 2.5°  | 3641.2  | 3645.0  | 3637.4  | 3633.6  | 3629.8  | 3624.1  | 3626.0  | 3635.5  | 3643.1  | 3641.2  |
| 5°    | 3671.6  | 3675.4  | 3669.7  | 3667.8  | 3660.2  | 3658.3  | 3658.3  | 3667.8  | 3673.5  | 3669.7  |
| 7.5°  | 3705.8  | 3711.5  | 3702.0  | 3700.1  | 3696.3  | 3692.5  | 3690.6  | 3700.1  | 3705.8  | 3705.8  |
| 10°   | 3738.1  | 3743.8  | 3736.2  | 3730.5  | 3726.7  | 3726.7  | 3722.9  | 3730.5  | 3740.0  | 3738.1  |
| 12.5° | 3772.3  | 3776.1  | 3768.5  | 3764.7  | 3764.7  | 3770.4  | 3764.7  | 3768.5  | 3776.1  | 3772.3  |
| 15°   | 3814.0  | 3815.9  | 3814.0  | 3819.7  | 3829.2  | 3848.2  | 3831.1  | 3827.3  | 3831.1  | 3821.6  |
| 17.5° | 3871.0  | 3874.8  | 3882.4  | 3895.7  | 3909.0  | 3943.2  | 3912.8  | 3903.3  | 3903.3  | 3884.3  |
| 20°   | 3941.3  | 3947.0  | 3958.4  | 3981.2  | 3998.3  | 4030.6  | 4000.2  | 3986.9  | 3981.2  | 3956.5  |
| 22.5° | 4015.4  | 4024.9  | 4042.0  | 4072.4  | 4102.8  | 4133.2  | 4102.8  | 4080.0  | 4062.9  | 4030.6  |
| 25°   | 4100.9  | 4112.3  | 4138.9  | 4188.2  | 4230.0  | 4273.7  | 4237.6  | 4192.0  | 4157.8  | 4112.3  |
| 27.5° | 4222.4  | 4235.7  | 4268.0  | 4328.8  | 4382.0  | 4420.0  | 4385.8  | 4326.9  | 4279.4  | 4224.3  |
| 30°   | 4393.4  | 4406.7  | 4444.7  | 4509.2  | 4545.3  | 4570.0  | 4547.2  | 4501.6  | 4444.7  | 4382.0  |
| 32.5° | 4613.7  | 4630.8  | 4672.6  | 4733.4  | 4741.0  | 4744.8  | 4737.2  | 4714.4  | 4672.6  | 4596.6  |
| 35°   | 4892.9  | 4911.9  | 4959.4  | 5008.8  | 5001.2  | 5008.8  | 4997.4  | 4989.8  | 4959.4  | 4872.0  |
| 37.5° | 5234.8  | 5257.6  | 5307.0  | 5345.0  | 5326.0  | 5316.5  | 5318.4  | 5320.3  | 5303.2  | 5206.3  |
| 40°   | 5631.8  | 5662.2  | 5698.3  | 5738.2  | 5705.9  | 5677.4  | 5696.4  | 5711.6  | 5696.4  | 5597.6  |
| 42.5° | 6040.2  | 6083.9  | 6121.9  | 6178.8  | 6152.2  | 6116.2  | 6142.7  | 6159.8  | 6127.5  | 6021.2  |
| 45°   | 6494.1  | 6535.9  | 6585.3  | 6670.8  | 6651.8  | 6613.8  | 6651.8  | 6655.6  | 6600.5  | 6475.1  |
| 47.5° | 6963.3  | 7007.0  | 7081.1  | 7195.0  | 7187.4  | 7145.6  | 7195.0  | 7168.4  | 7098.2  | 6948.1  |
| 50°   | 7407.8  | 7468.5  | 7582.5  | 7742.1  | 7757.3  | 7706.0  | 7772.5  | 7721.2  | 7603.4  | 7415.4  |
| 52.5° | 7825.6  | 7890.2  | 8070.7  | 8287.2  | 8342.3  | 8275.8  | 8365.1  | 8275.8  | 8099.2  | 7857.9  |
| 55°   | 8264.4  | 8336.6  | 8551.2  | 8834.2  | 8944.4  | 8895.0  | 8978.6  | 8843.7  | 8593.0  | 8300.5  |
| 57.5° | 8781.0  | 8824.7  | 9081.2  | 9417.4  | 9603.5  | 9614.9  | 9652.9  | 9425.0  | 9121.0  | 8788.6  |
| 60°   | 9341.4  | 9402.2  | 9681.4  | 10084.1 | 10378.5 | 10473.4 | 10433.5 | 10095.5 | 9742.2  | 9360.4  |
| 62.5° | 10059.4 | 10125.8 | 10460.1 | 10942.6 | 11408.0 | 11643.5 | 11487.7 | 10997.7 | 10560.8 | 10103.0 |
| 65°   | 10653.9 | 10728.0 | 11332.0 | 12192.4 | 13039.6 | 13512.5 | 13121.2 | 12219.0 | 11432.6 | 10786.8 |
| 67.5° | 10222.7 | 10313.9 | 11261.7 | 12842.0 | 14948.5 | 16359.8 | 15020.7 | 13035.8 | 11495.3 | 10619.7 |
| 70°   | 8934.9  | 9020.4  | 10125.8 | 12057.6 | 15486.0 | 18578.3 | 15808.9 | 12412.8 | 10161.9 | 9181.8  |
| 72.5° | 5931.9  | 6207.3  | 7326.1  | 9643.4  | 13827.8 | 17191.7 | 13964.6 | 9447.7  | 6796.1  | 5918.6  |
| 75°   | 1967.8  | 2188.1  | 2951.7  | 4999.3  | 9261.6  | 12857.2 | 8817.1  | 4423.8  | 2338.2  | 1682.9  |
| 77.5° | 495.8   | 571.7   | 788.3   | 1430.3  | 3694.4  | 7320.4  | 3325.9  | 1168.1  | 636.3   | 444.5   |
| 80°   | 241.2   | 265.9   | 379.9   | 476.8   | 925.0   | 2326.8  | 868.0   | 448.3   | 300.1   | 231.7   |
| 82.5° | 133.0   | 134.9   | 214.6   | 269.7   | 343.8   | 602.1   | 357.1   | 262.1   | 172.8   | 140.6   |
| 85°   | 81.7    | 79.8    | 114.0   | 144.4   | 144.4   | 214.6   | 170.9   | 144.4   | 98.8    | 87.4    |
| 87.5° | 32.3    | 32.3    | 41.8    | 45.6    | 39.9    | 55.1    | 43.7    | 47.5    | 38.0    | 36.1    |
| 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°     |
|---------|
| 3624.1  |
| 3643.1  |
| 3671.6  |
| 3705.8  |
| 3738.1  |
| 3770.4  |
| 3821.6  |
| 3884.3  |
| 3956.5  |
| 4028.7  |
| 4110.4  |
| 4222.4  |
| 4382.0  |
| 4598.5  |
| 4872.0  |
| 5206.3  |
| 5597.6  |
| 6028.8  |
| 6488.4  |
| 6938.6  |
| 7411.6  |
| 7835.1  |
| 8260.6  |
| 8743.1  |
| 9299.6  |
| 10023.3 |
| 10680.5 |
| 10488.6 |
| 9050.8  |
| 5726.8  |
| 1591.7  |
| 397.0   |
| 212.7   |
| 140.6   |
| 91.2    |
| 38.0    |
| 0.0     |

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