

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: P942470

Luminaire Tested: **GLAN-SB6C-730-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942470  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6C-730-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45937 lumens  
Efficiency: N/A  
Efficacy: 152.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 300.9  
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



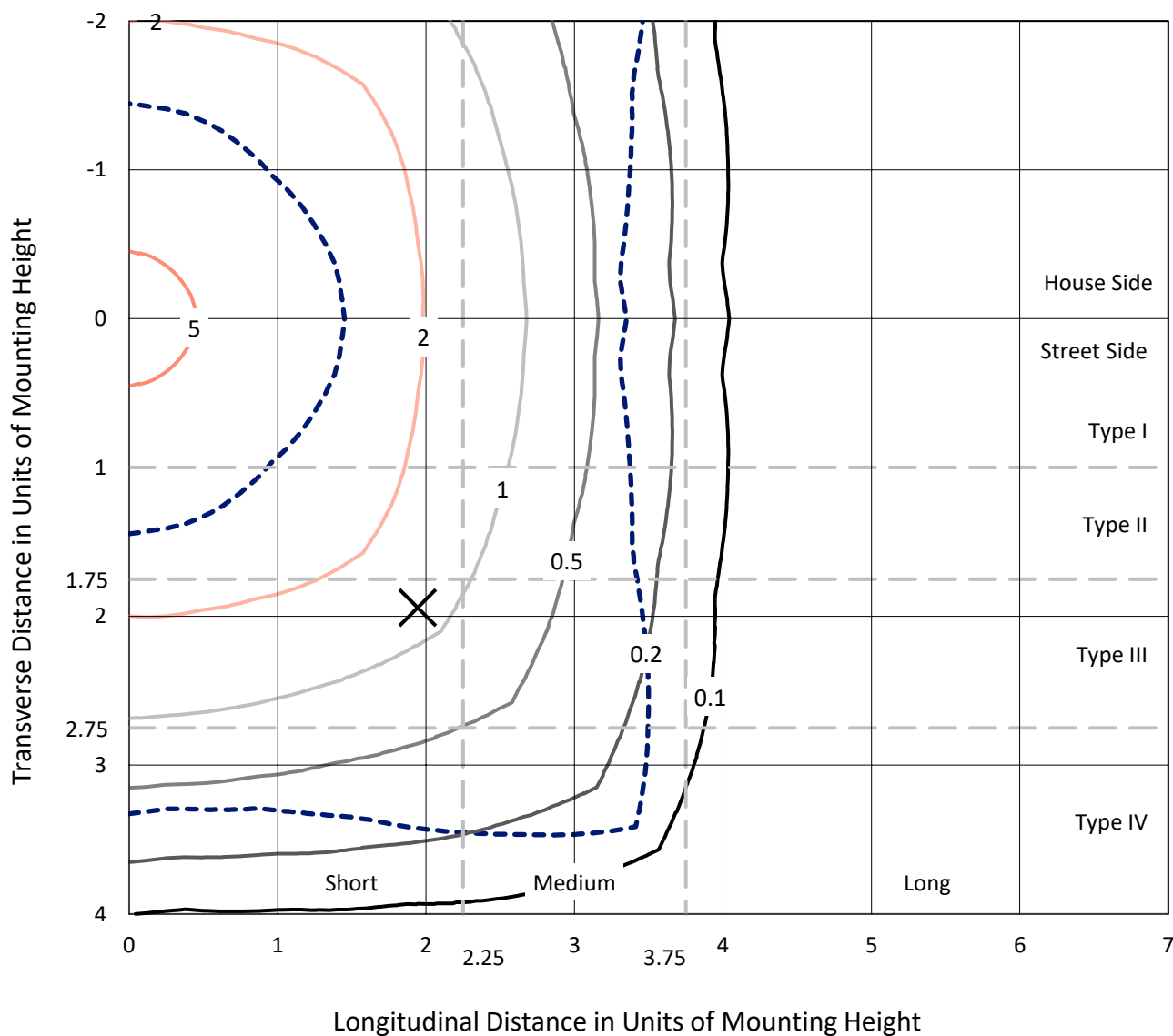
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

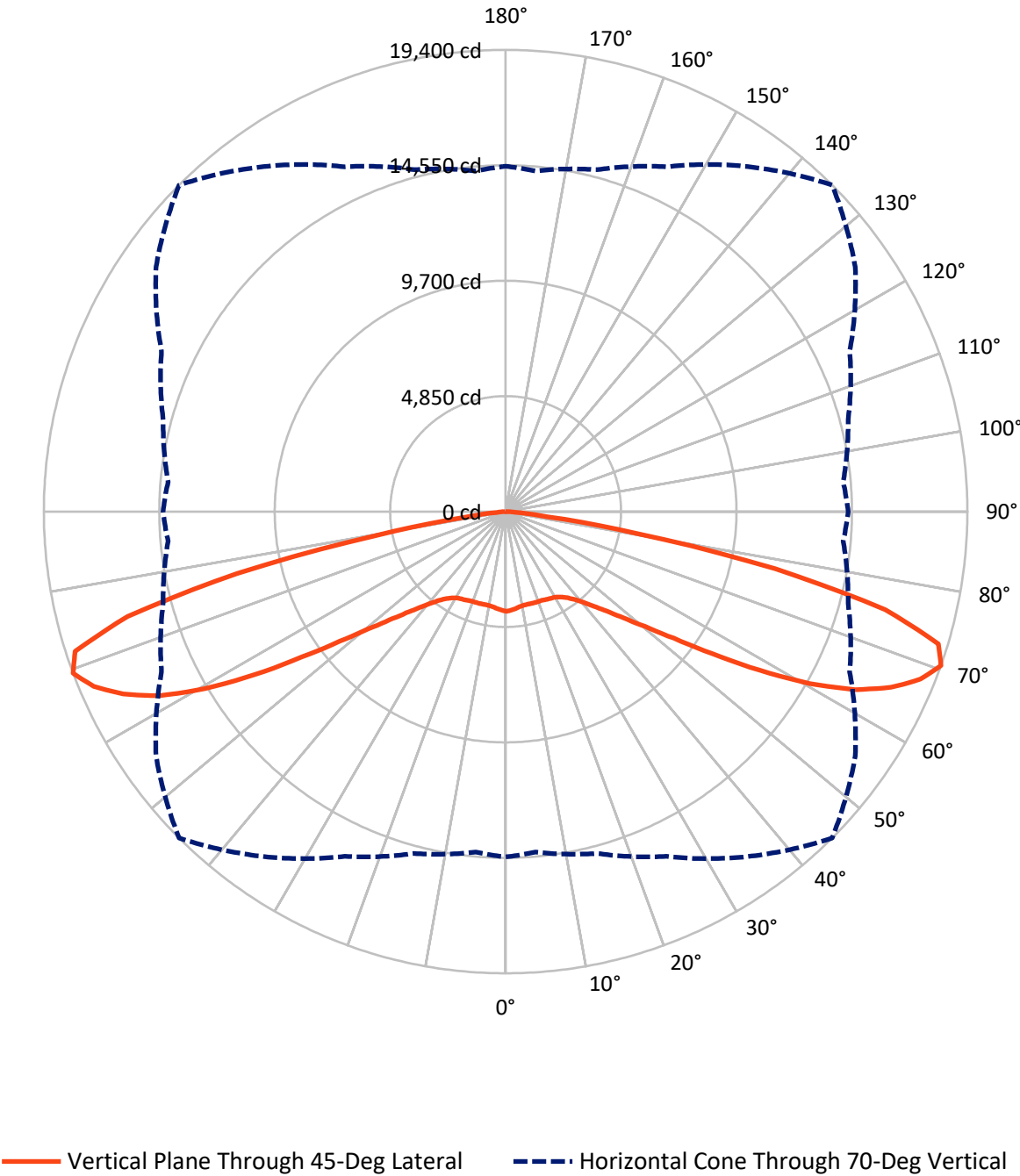


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc

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    | 22968.5  | 0.0    | 22968.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 22968.5  | 0.0    | 22968.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 45937.0  | 0.0    | 45937.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 389.8   | 0.8       |
| 10°-20°   | 1144.6  | 2.5       |
| 20°-30°   | 1904.7  | 4.1       |
| 30°-40°   | 2880.5  | 6.3       |
| 40°-50°   | 4786.7  | 10.4      |
| 50°-60°   | 9032.4  | 19.7      |
| 60°-70°   | 15251.5 | 33.2      |
| 70°-80°   | 10021.8 | 21.8      |
| 80°-90°   | 525.0   | 1.1       |
| 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°    | 45937.0 | 100.0     |
| 0°-180°   | 45937.0 | 100.0     |

**Coefficient of Utilization**



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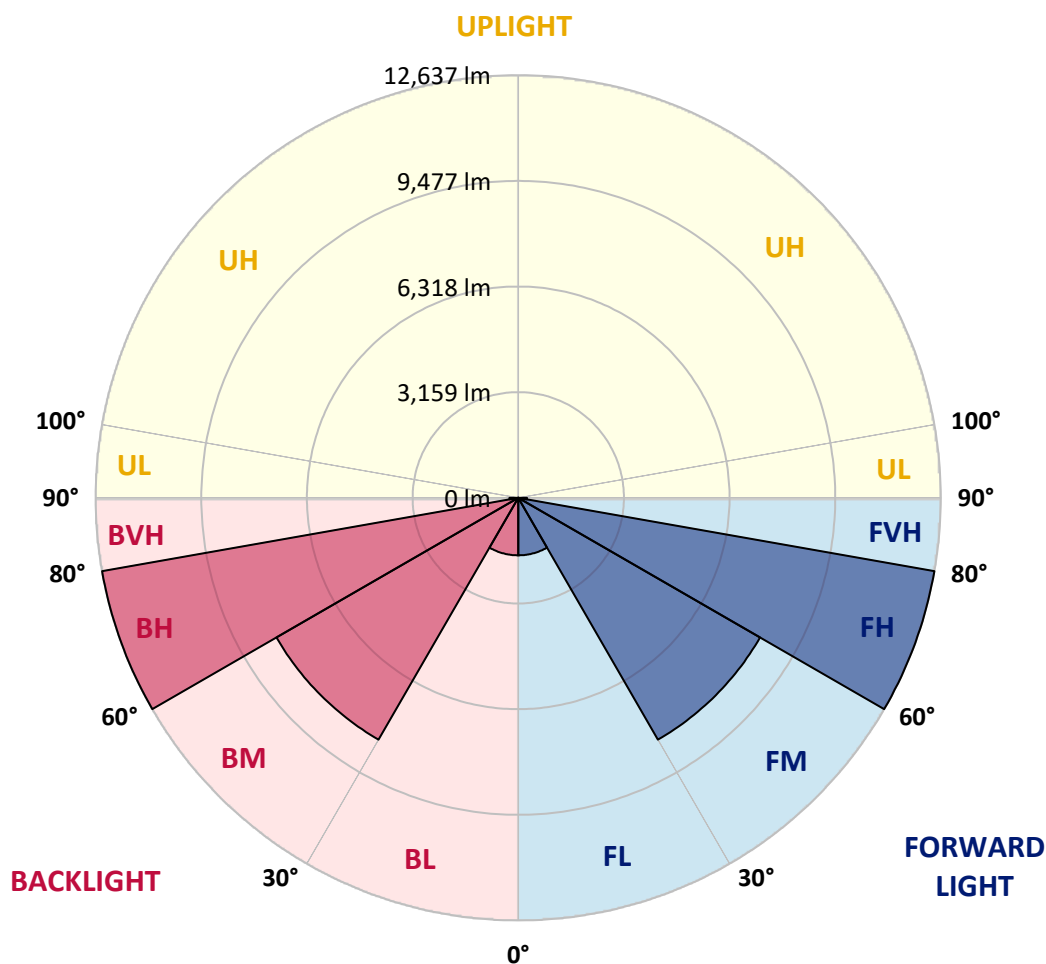
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 1719.5  | 3.7       |                         |      |        |
| FM   | (30°-60°)   | 8349.8  | 18.2      |                         |      |        |
| FH   | (60°-80°)   | 12636.7 | 27.5      |                         |      | G5     |
| FVH  | (80°-90°)   | 262.5   | 0.6       |                         |      | G3/500 |
| BL   | (0°-30°)    | 1719.5  | 3.7       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 8349.8  | 18.2      | B4/8500                 |      |        |
| BH   | (60°-80°)   | 12636.7 | 27.5      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 262.5   | 0.6       |                         |      | 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 V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  | 4190.4  |
| 2.5°  | 4164.1  | 4176.1  | 4171.3  | 4161.7  | 4161.7  | 4154.6  | 4161.7  | 4166.5  | 4173.7  | 4178.4  |
| 5°    | 4109.2  | 4118.7  | 4116.4  | 4109.2  | 4111.6  | 4104.4  | 4109.2  | 4116.4  | 4121.1  | 4123.5  |
| 7.5°  | 4061.4  | 4071.0  | 4066.2  | 4054.3  | 4054.3  | 4047.1  | 4049.5  | 4056.7  | 4063.8  | 4066.2  |
| 10°   | 4049.5  | 4059.1  | 4044.7  | 4025.6  | 4018.5  | 4008.9  | 4011.3  | 4018.5  | 4032.8  | 4040.0  |
| 12.5° | 4054.3  | 4061.4  | 4047.1  | 4018.5  | 4011.3  | 4001.8  | 4001.8  | 4008.9  | 4028.0  | 4037.6  |
| 15°   | 4068.6  | 4075.8  | 4054.3  | 4023.2  | 4016.1  | 4008.9  | 4006.5  | 4016.1  | 4037.6  | 4054.3  |
| 17.5° | 4094.9  | 4102.0  | 4068.6  | 4025.6  | 4016.1  | 4018.5  | 4016.1  | 4023.2  | 4056.7  | 4087.7  |
| 20°   | 4118.7  | 4123.5  | 4078.2  | 4025.6  | 4016.1  | 4018.5  | 4016.1  | 4030.4  | 4073.4  | 4116.4  |
| 22.5° | 4125.9  | 4130.7  | 4087.7  | 4042.3  | 4035.2  | 4037.6  | 4035.2  | 4049.5  | 4090.1  | 4133.1  |
| 25°   | 4128.3  | 4135.5  | 4102.0  | 4066.2  | 4078.2  | 4082.9  | 4078.2  | 4080.5  | 4111.6  | 4149.8  |
| 27.5° | 4164.1  | 4173.7  | 4142.6  | 4111.6  | 4118.7  | 4116.4  | 4123.5  | 4130.7  | 4154.6  | 4192.8  |
| 30°   | 4238.1  | 4245.3  | 4219.0  | 4188.0  | 4183.2  | 4166.5  | 4188.0  | 4211.9  | 4238.1  | 4271.6  |
| 32.5° | 4359.9  | 4374.2  | 4340.8  | 4307.4  | 4285.9  | 4276.3  | 4293.0  | 4333.6  | 4369.5  | 4405.3  |
| 35°   | 4562.9  | 4572.4  | 4541.4  | 4479.3  | 4441.1  | 4441.1  | 4455.4  | 4507.9  | 4565.2  | 4610.6  |
| 37.5° | 4849.4  | 4861.3  | 4806.4  | 4732.4  | 4675.1  | 4675.1  | 4694.2  | 4749.1  | 4835.1  | 4899.5  |
| 40°   | 5198.0  | 5214.7  | 5145.5  | 5069.0  | 5014.1  | 5004.6  | 5028.5  | 5090.5  | 5171.7  | 5252.9  |
| 42.5° | 5618.2  | 5637.3  | 5546.6  | 5479.7  | 5436.7  | 5436.7  | 5448.7  | 5506.0  | 5580.0  | 5680.3  |
| 45°   | 6155.4  | 6188.9  | 6064.7  | 5997.9  | 5957.3  | 5966.8  | 5974.0  | 6024.1  | 6091.0  | 6205.6  |
| 47.5° | 6795.3  | 6828.8  | 6697.4  | 6628.2  | 6621.0  | 6666.4  | 6637.8  | 6673.6  | 6709.4  | 6840.7  |
| 50°   | 7521.2  | 7578.5  | 7487.8  | 7483.0  | 7497.3  | 7580.9  | 7514.0  | 7533.1  | 7492.5  | 7576.1  |
| 52.5° | 8409.4  | 8493.0  | 8476.3  | 8504.9  | 8664.9  | 8836.8  | 8684.0  | 8617.1  | 8464.3  | 8490.6  |
| 55°   | 9486.3  | 9612.8  | 9636.7  | 9808.6  | 10171.5 | 10522.5 | 10197.8 | 9928.0  | 9603.3  | 9543.6  |
| 57.5° | 10711.1 | 10811.4 | 10926.0 | 11277.0 | 11955.1 | 12578.3 | 11955.1 | 11358.2 | 10847.2 | 10725.5 |
| 60°   | 12029.1 | 12153.3 | 12263.1 | 12781.3 | 13788.9 | 14665.1 | 13769.8 | 12821.8 | 12146.1 | 11981.4 |
| 62.5° | 13445.0 | 13605.0 | 13681.4 | 14256.8 | 15431.6 | 16477.4 | 15448.3 | 14299.8 | 13550.1 | 13373.4 |
| 65°   | 14803.6 | 14934.9 | 15020.9 | 15634.5 | 16756.7 | 17804.9 | 16833.1 | 15701.4 | 14930.2 | 14698.6 |
| 67.5° | 15436.4 | 15508.0 | 15718.1 | 16412.9 | 17597.2 | 18793.4 | 17797.8 | 16486.9 | 15625.0 | 15219.1 |
| 70°   | 14509.9 | 14364.3 | 14870.5 | 15983.1 | 17697.5 | 19399.9 | 17926.7 | 15949.7 | 14894.4 | 14235.4 |
| 72.5° | 11212.5 | 10961.8 | 11840.5 | 13743.5 | 16551.4 | 19013.1 | 16666.0 | 13850.9 | 12387.3 | 11050.2 |
| 75°   | 6100.5  | 5816.4  | 7029.3  | 9436.1  | 13199.1 | 16479.8 | 13502.3 | 9705.9  | 7826.8  | 6055.2  |
| 77.5° | 1721.5  | 1614.1  | 2593.0  | 4565.2  | 7939.0  | 11570.7 | 8244.7  | 4665.5  | 3075.3  | 1824.2  |
| 80°   | 527.7   | 511.0   | 692.4   | 1375.3  | 3371.4  | 5541.8  | 3240.1  | 1392.0  | 881.1   | 556.3   |
| 82.5° | 312.8   | 286.5   | 343.8   | 501.4   | 859.6   | 1740.6  | 835.7   | 522.9   | 420.2   | 281.7   |
| 85°   | 179.1   | 167.1   | 203.0   | 243.5   | 288.9   | 370.1   | 241.2   | 248.3   | 224.4   | 150.4   |
| 87.5° | 74.0    | 66.9    | 78.8    | 76.4    | 66.9    | 86.0    | 64.5    | 76.4    | 90.7    | 59.7    |
| 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°     |
|---------|
| 4190.4  |
| 4176.1  |
| 4123.5  |
| 4066.2  |
| 4040.0  |
| 4040.0  |
| 4056.7  |
| 4087.7  |
| 4118.7  |
| 4133.1  |
| 4147.4  |
| 4183.2  |
| 4264.4  |
| 4390.9  |
| 4593.9  |
| 4875.6  |
| 5226.6  |
| 5673.1  |
| 6200.8  |
| 6802.5  |
| 7526.0  |
| 8402.2  |
| 9450.4  |
| 10639.5 |
| 11838.1 |
| 13230.1 |
| 14584.0 |
| 15223.9 |
| 14392.9 |
| 11382.1 |
| 6449.1  |
| 2027.1  |
| 587.4   |
| 305.6   |
| 157.6   |
| 54.9    |
| 0.0     |

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