

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: P952688

Luminaire Tested: **GLAN-SB6C-722-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952688  
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-SB6C-722-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 38632 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
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

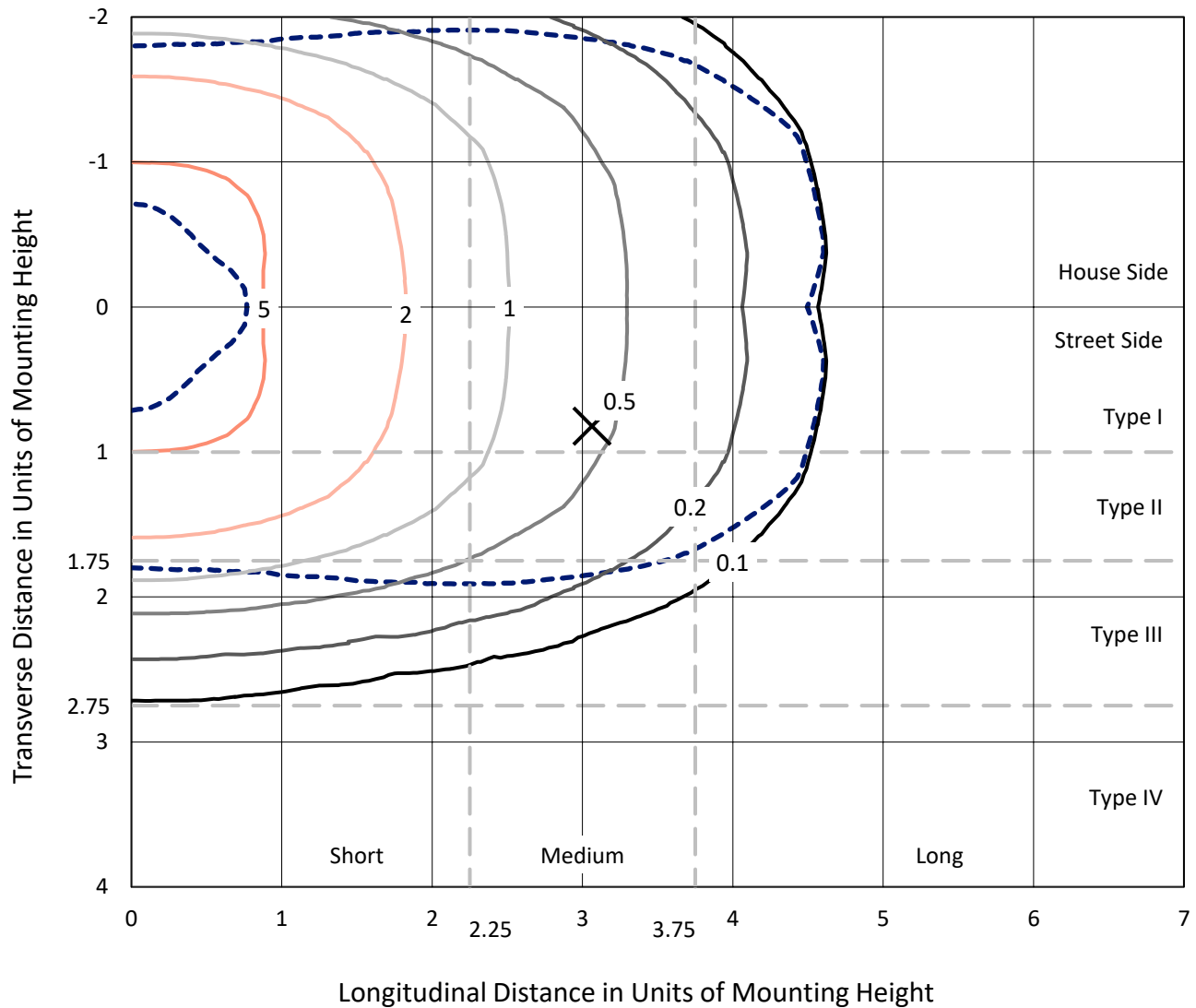


REPORT NUMBER: P952688

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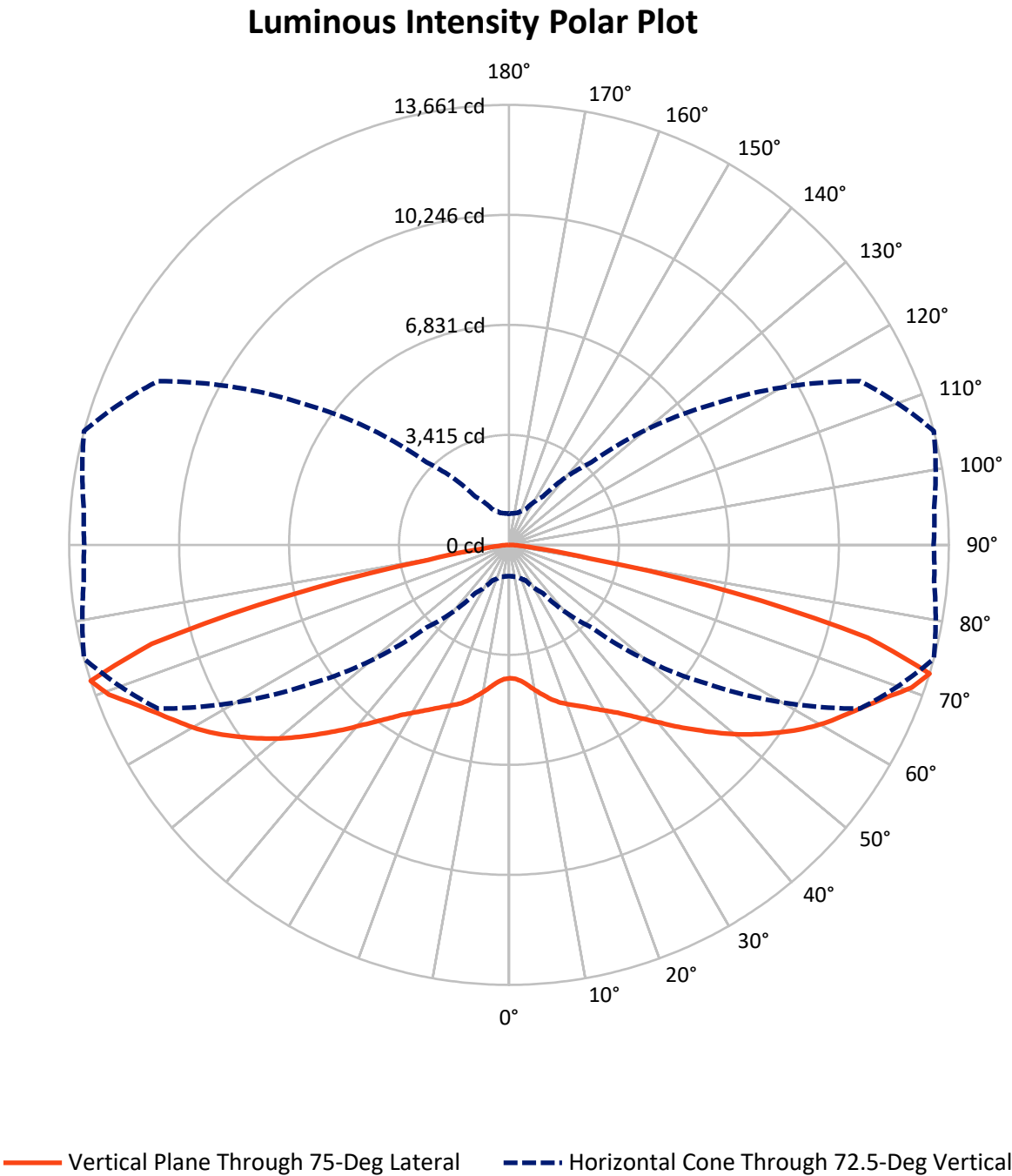
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc  
Type III - Medium - N/A

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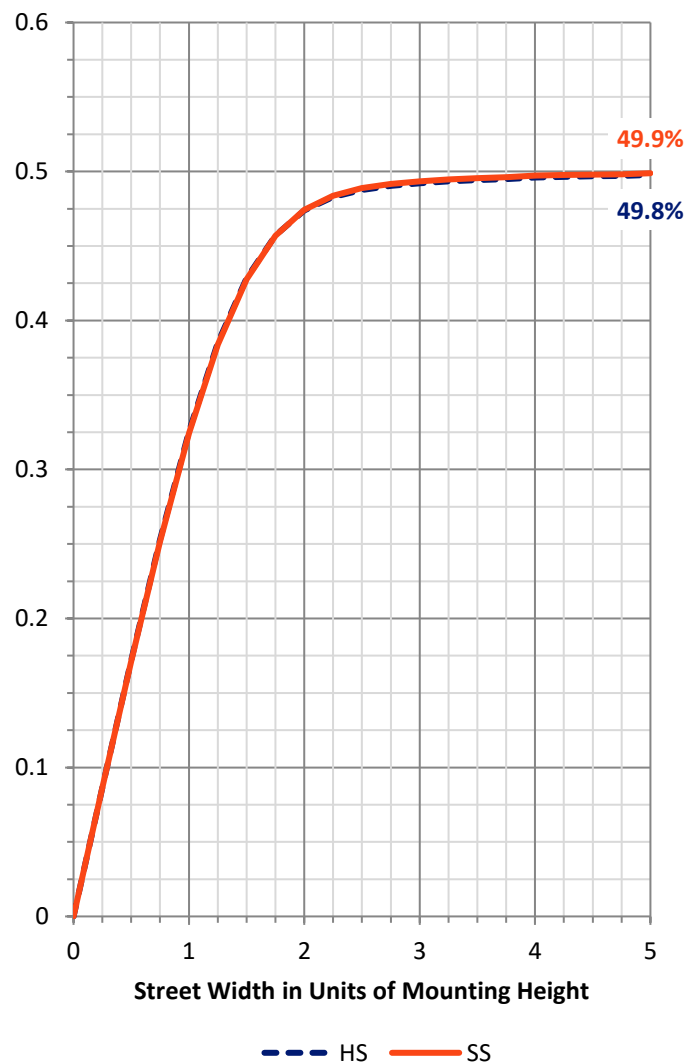
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 19316.0  | 0.0    | 19316.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 19316.0  | 0.0    | 19316.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 38632.0  | 0.0    | 38632.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 405.4   | 1.0       |
| 10°-20°   | 1337.0  | 3.5       |
| 20°-30°   | 2583.5  | 6.7       |
| 30°-40°   | 4362.3  | 11.3      |
| 40°-50°   | 6918.2  | 17.9      |
| 50°-60°   | 9262.6  | 24.0      |
| 60°-70°   | 8815.0  | 22.8      |
| 70°-80°   | 4599.8  | 11.9      |
| 80°-90°   | 348.2   | 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°    | 38632.0 | 100.0     |
| 0°-180°   | 38632.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P952688

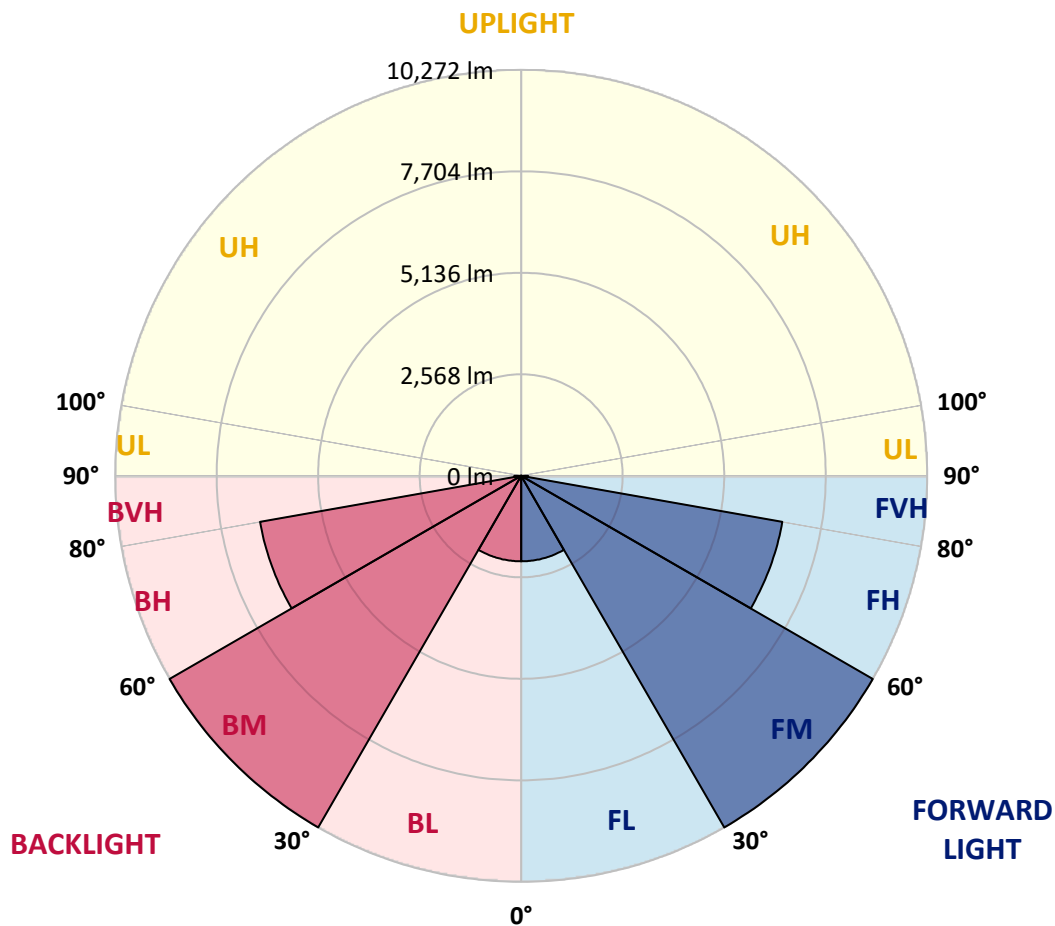
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2162.9  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 10271.6 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 6707.4  | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 174.1   | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 2162.9  | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 10271.6 | 26.6      | B5                      |      |         |
| BH   | (60°-80°)   | 6707.4  | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 174.1   | 0.5       |                         |      | G2/225  |
| 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



REPORT NUMBER: P952688

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4138.2 | 4138.2 | 4138.2 | 4138.2  | 4138.2  | 4138.2  | 4138.2  | 4138.2  | 4138.2  | 4138.2  |
| 2.5°  | 4138.2 | 4134.2 | 4138.2 | 4142.1  | 4140.2  | 4140.2  | 4150.0  | 4155.9  | 4167.8  | 4165.8  |
| 5°    | 4110.6 | 4108.6 | 4124.4 | 4142.1  | 4155.9  | 4179.6  | 4209.2  | 4230.9  | 4258.5  | 4264.4  |
| 7.5°  | 4096.8 | 4090.8 | 4118.5 | 4150.0  | 4193.4  | 4252.6  | 4309.8  | 4369.0  | 4416.3  | 4432.1  |
| 10°   | 4106.6 | 4108.6 | 4146.1 | 4205.2  | 4274.3  | 4357.1  | 4438.0  | 4538.6  | 4605.6  | 4621.4  |
| 12.5° | 4152.0 | 4148.0 | 4211.2 | 4305.8  | 4400.5  | 4505.1  | 4599.7  | 4710.2  | 4783.2  | 4820.6  |
| 15°   | 4234.8 | 4226.9 | 4315.7 | 4455.7  | 4593.8  | 4716.1  | 4793.0  | 4897.6  | 4982.4  | 5029.7  |
| 17.5° | 4333.5 | 4337.4 | 4453.8 | 4635.2  | 4816.7  | 4954.8  | 5027.7  | 5081.0  | 5146.1  | 5187.5  |
| 20°   | 4507.0 | 4514.9 | 4645.1 | 4860.1  | 5067.2  | 5225.0  | 5284.2  | 5264.4  | 5282.2  | 5313.8  |
| 22.5° | 4739.8 | 4743.7 | 4889.7 | 5122.4  | 5339.4  | 5513.0  | 5552.4  | 5471.5  | 5422.2  | 5443.9  |
| 25°   | 5010.0 | 5035.6 | 5181.6 | 5420.3  | 5643.2  | 5808.8  | 5826.6  | 5704.3  | 5582.0  | 5587.9  |
| 27.5° | 5339.4 | 5363.1 | 5511.0 | 5747.7  | 5974.5  | 6118.5  | 6116.5  | 5952.8  | 5773.3  | 5728.0  |
| 30°   | 5696.4 | 5722.0 | 5873.9 | 6118.5  | 6329.6  | 6455.8  | 6428.2  | 6232.9  | 5976.5  | 5891.7  |
| 32.5° | 6120.5 | 6136.3 | 6290.1 | 6534.7  | 6730.0  | 6830.6  | 6773.4  | 6532.7  | 6213.2  | 6116.5  |
| 35°   | 6633.3 | 6657.0 | 6771.4 | 7002.2  | 7173.8  | 7256.6  | 7160.0  | 6875.9  | 6516.9  | 6408.5  |
| 37.5° | 7219.1 | 7203.4 | 7333.5 | 7538.7  | 7680.7  | 7732.0  | 7599.8  | 7262.5  | 6864.1  | 6735.9  |
| 40°   | 7830.6 | 7822.7 | 7964.7 | 8162.0  | 8238.9  | 8270.4  | 8075.2  | 7706.3  | 7264.5  | 7126.4  |
| 42.5° | 8384.8 | 8378.9 | 8570.3 | 8789.2  | 8881.9  | 8846.4  | 8599.8  | 8177.7  | 7728.0  | 7570.2  |
| 45°   | 8828.6 | 8820.8 | 9055.5 | 9363.2  | 9544.6  | 9485.5  | 9154.1  | 8698.5  | 8197.5  | 8033.7  |
| 47.5° | 9169.9 | 9173.8 | 9426.3 | 9807.0  | 10124.5 | 10146.2 | 9720.2  | 9229.0  | 8714.2  | 8528.8  |
| 50°   | 9416.4 | 9428.3 | 9698.5 | 10120.6 | 10554.5 | 10745.9 | 10298.1 | 9773.4  | 9248.8  | 9039.7  |
| 52.5° | 9477.6 | 9499.3 | 9824.7 | 10319.8 | 10830.7 | 11195.6 | 10885.9 | 10296.1 | 9755.7  | 9556.5  |
| 55°   | 9152.1 | 9195.5 | 9607.8 | 10304.0 | 11000.3 | 11491.4 | 11402.7 | 10826.7 | 10266.5 | 10061.4 |
| 57.5° | 8404.6 | 8465.7 | 8947.0 | 9856.3  | 10962.8 | 11694.6 | 11803.1 | 11335.6 | 10777.4 | 10580.2 |
| 60°   | 7357.2 | 7430.2 | 7891.7 | 8883.9  | 10434.2 | 11769.5 | 12085.1 | 11830.7 | 11246.9 | 11055.5 |
| 62.5° | 5777.3 | 5872.0 | 6424.2 | 7588.0  | 9317.8  | 11420.4 | 12325.8 | 12278.4 | 11669.0 | 11430.3 |
| 65°   | 3706.2 | 3806.8 | 4388.7 | 5763.5  | 7828.6  | 10351.4 | 12400.7 | 12714.3 | 12114.7 | 11781.4 |
| 67.5° | 2234.8 | 2280.1 | 2568.1 | 3493.2  | 5722.0  | 8739.9  | 11765.6 | 13197.6 | 12635.4 | 12221.2 |
| 70°   | 1430.0 | 1455.7 | 1627.3 | 2051.3  | 3234.8  | 6376.9  | 10191.6 | 13288.3 | 13266.6 | 12672.9 |
| 72.5° | 970.4  | 978.3  | 1023.7 | 1215.0  | 1830.4  | 3623.4  | 7517.0  | 12029.9 | 13661.1 | 13254.8 |
| 75°   | 710.1  | 753.5  | 826.5  | 860.0   | 1039.5  | 1810.7  | 4307.8  | 8451.9  | 11513.1 | 11690.7 |
| 77.5° | 528.6  | 530.6  | 631.2  | 670.6   | 741.6   | 964.5   | 1822.5  | 4718.1  | 7148.1  | 7505.1  |
| 80°   | 447.7  | 424.1  | 422.1  | 540.4   | 558.2   | 601.6   | 814.6   | 1629.2  | 2560.2  | 1552.3  |
| 82.5° | 372.8  | 347.1  | 313.6  | 422.1   | 380.7   | 368.8   | 353.1   | 662.7   | 814.6   | 400.4   |
| 85°   | 260.4  | 248.5  | 236.7  | 276.1   | 217.0   | 185.4   | 169.6   | 309.7   | 343.2   | 169.6   |
| 87.5° | 112.4  | 116.4  | 118.3  | 122.3   | 90.7    | 65.1    | 65.1    | 86.8    | 86.8    | 67.1    |
| 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°     |
|---------|
| 4138.2  |
| 4163.8  |
| 4264.4  |
| 4436.0  |
| 4637.2  |
| 4836.4  |
| 5047.5  |
| 5207.2  |
| 5337.4  |
| 5459.7  |
| 5597.8  |
| 5741.8  |
| 5901.5  |
| 6140.2  |
| 6424.2  |
| 6759.6  |
| 7171.8  |
| 7609.7  |
| 8071.2  |
| 8584.1  |
| 9102.8  |
| 9607.8  |
| 10118.6 |
| 10625.5 |
| 11096.9 |
| 11457.9 |
| 11822.8 |
| 12252.8 |
| 12669.0 |
| 13191.7 |
| 11260.7 |
| 6694.5  |
| 1173.6  |
| 341.2   |
| 149.9   |
| 49.3    |
| 0.0     |

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