

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: P952789

Luminaire Tested: **GLAN-SB6C-750-U-5MQ**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P952789  
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-SB6C-750-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 50318 lumens  
Efficiency: N/A  
Efficacy: 167.2 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

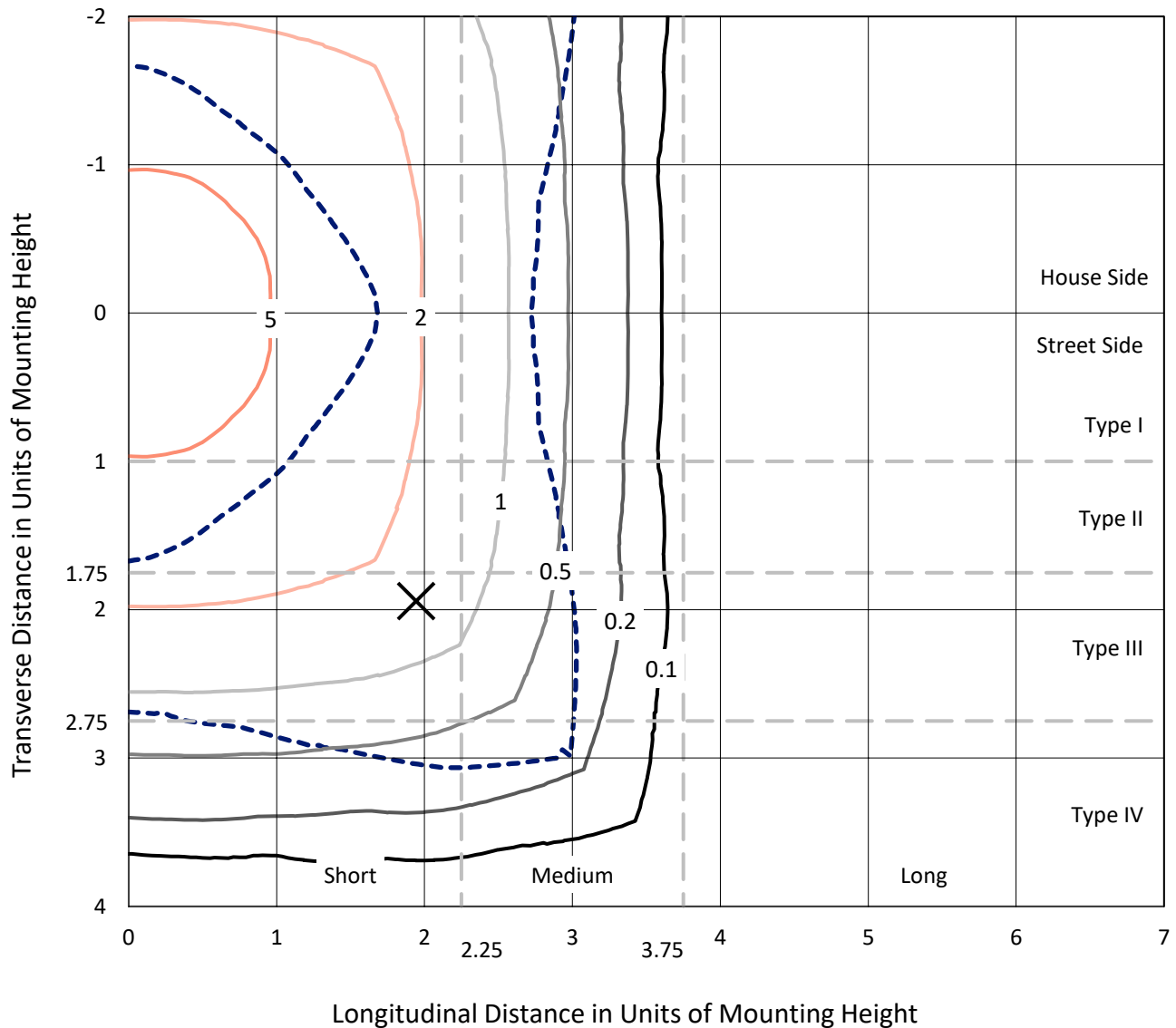


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## Iso-Footcandle Lines of Horizontal Illumination

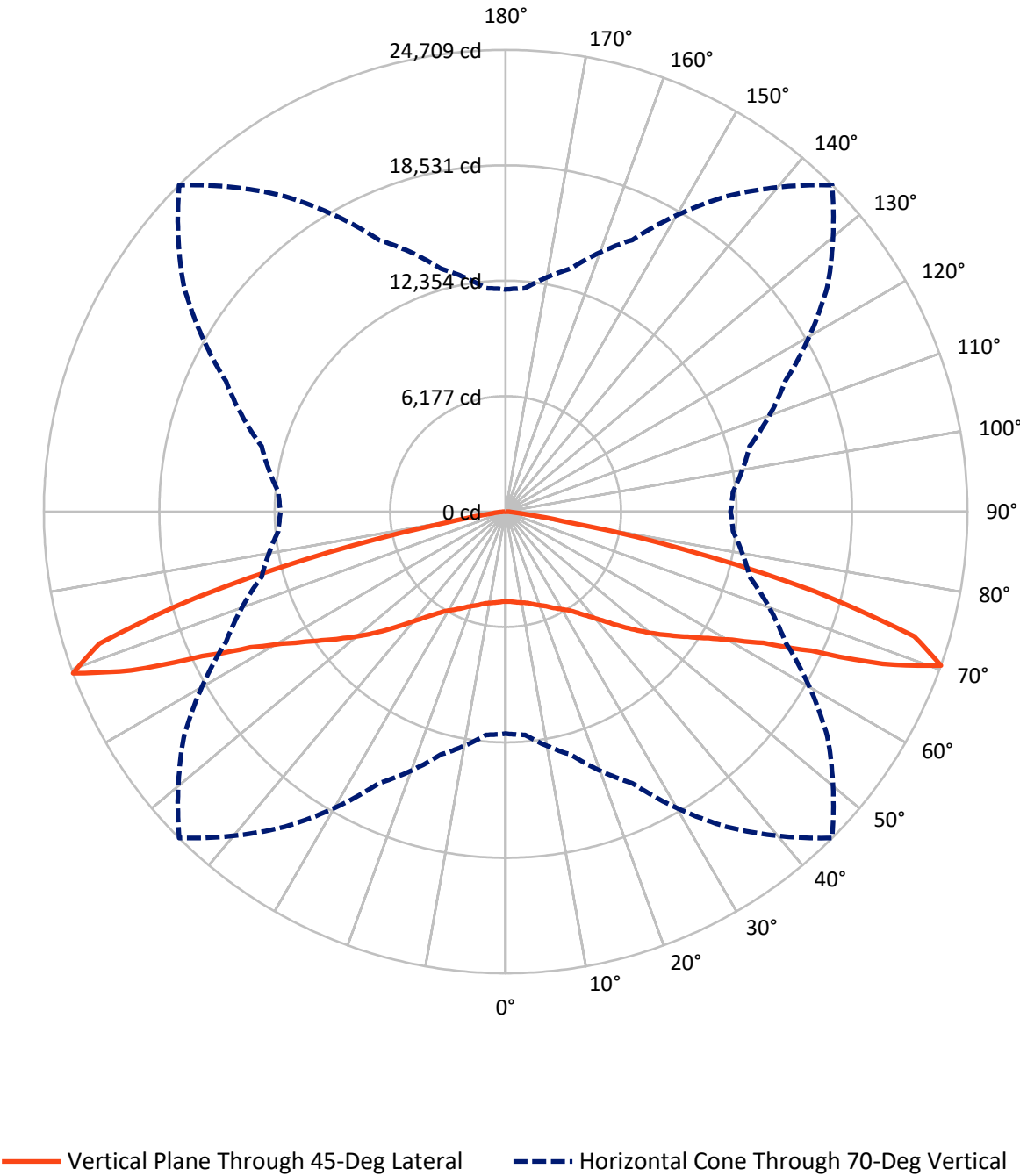
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc  
Type V - Short - N/A

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Luminous Intensity Polar Plot



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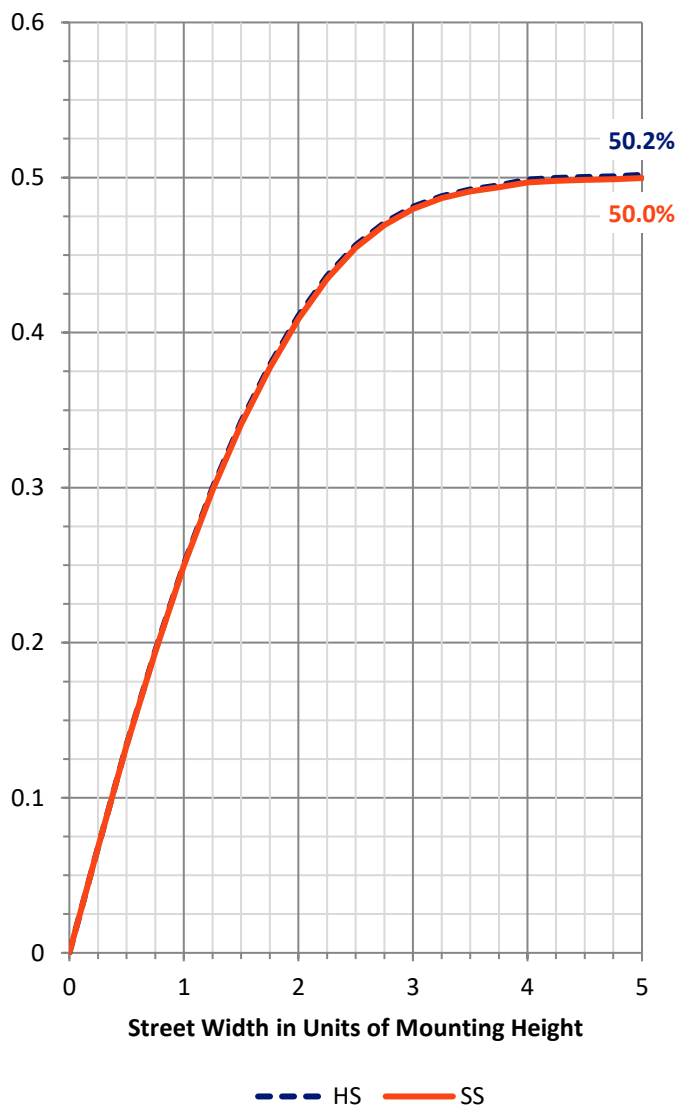
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 25159.0  | 0.0    | 25159.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 25159.0  | 0.0    | 25159.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 50318.0  | 0.0    | 50318.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 468.3   | 0.9       |
| 10°-20°   | 1452.0  | 2.9       |
| 20°-30°   | 2594.9  | 5.2       |
| 30°-40°   | 4206.3  | 8.4       |
| 40°-50°   | 6851.4  | 13.6      |
| 50°-60°   | 10446.1 | 20.8      |
| 60°-70°   | 15540.5 | 30.9      |
| 70°-80°   | 8470.1  | 16.8      |
| 80°-90°   | 288.4   | 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°    | 50318.0 | 100.0     |
| 0°-180°   | 50318.0 | 100.0     |

**Coefficient of Utilization**



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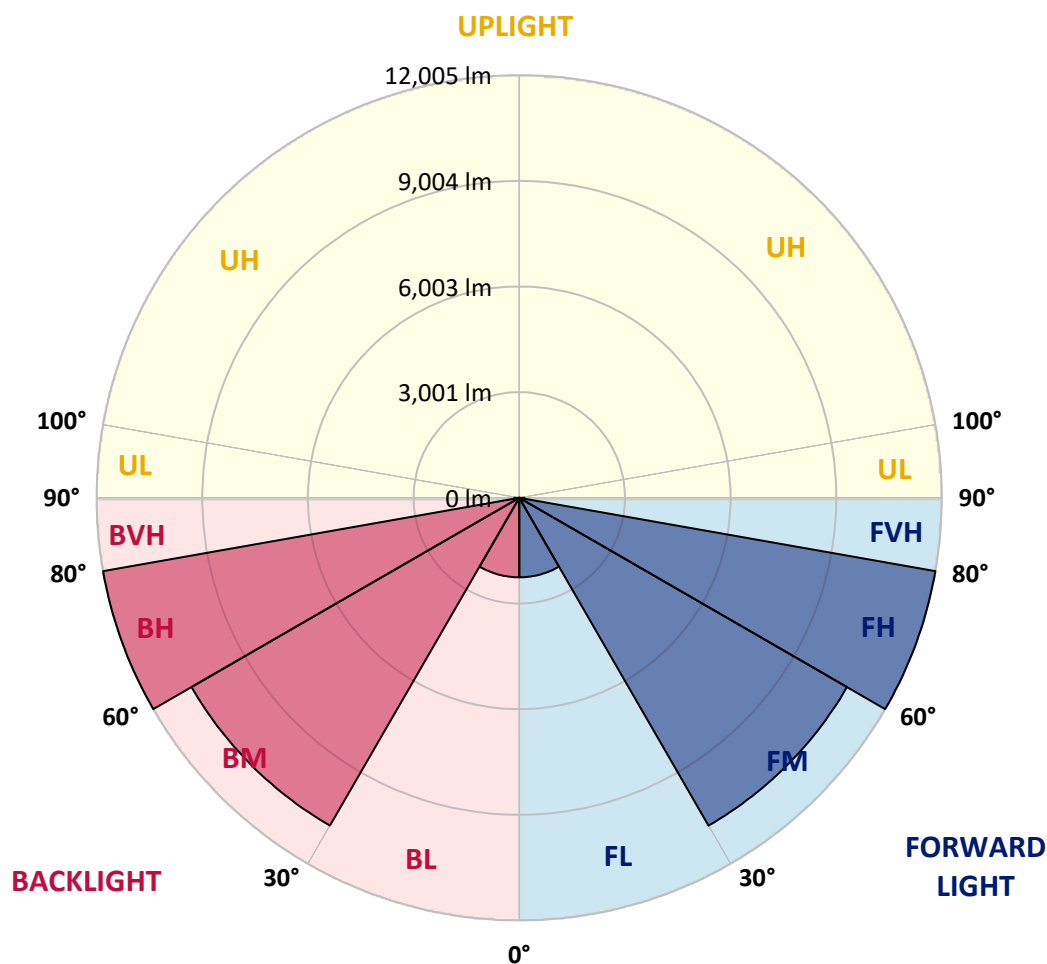
CATALOG NUMBER: GLAN-SB6C-750-U-5MQ

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|---------|-----------|-------------------------|------|--------|
|      |             |         |           | B                       | U    | G      |
| FL   | (0°-30°)    | 2257.6  | 4.5       |                         |      |        |
| FM   | (30°-60°)   | 10751.9 | 21.4      |                         |      |        |
| FH   | (60°-80°)   | 12005.3 | 23.9      |                         |      | G5     |
| FVH  | (80°-90°)   | 144.2   | 0.3       |                         |      | G2/225 |
| BL   | (0°-30°)    | 2257.6  | 4.5       | B3/2500                 |      |        |
| BM   | (30°-60°)   | 10751.9 | 21.4      | B5                      |      |        |
| BH   | (60°-80°)   | 12005.3 | 23.9      | B5                      |      | G5     |
| BVH  | (80°-90°)   | 144.2   | 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-G5**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  | 4819.9  |
| 2.5°  | 4842.7  | 4847.7  | 4837.6  | 4832.6  | 4827.5  | 4819.9  | 4822.5  | 4835.1  | 4845.2  | 4842.7  |
| 5°    | 4883.1  | 4888.2  | 4880.6  | 4878.0  | 4867.9  | 4865.4  | 4865.4  | 4878.0  | 4885.6  | 4880.6  |
| 7.5°  | 4928.6  | 4936.1  | 4923.5  | 4921.0  | 4915.9  | 4910.9  | 4908.4  | 4921.0  | 4928.6  | 4928.6  |
| 10°   | 4971.5  | 4979.1  | 4969.0  | 4961.4  | 4956.4  | 4956.4  | 4951.3  | 4961.4  | 4974.0  | 4971.5  |
| 12.5° | 5017.0  | 5022.0  | 5011.9  | 5006.9  | 5006.9  | 5014.5  | 5006.9  | 5011.9  | 5022.0  | 5017.0  |
| 15°   | 5072.6  | 5075.1  | 5072.6  | 5080.1  | 5092.8  | 5118.0  | 5095.3  | 5090.2  | 5095.3  | 5082.7  |
| 17.5° | 5148.3  | 5153.4  | 5163.5  | 5181.2  | 5198.9  | 5244.3  | 5203.9  | 5191.3  | 5191.3  | 5166.0  |
| 20°   | 5241.8  | 5249.4  | 5264.6  | 5294.9  | 5317.6  | 5360.5  | 5320.1  | 5302.4  | 5294.9  | 5262.0  |
| 22.5° | 5340.3  | 5353.0  | 5375.7  | 5416.1  | 5456.5  | 5497.0  | 5456.5  | 5426.2  | 5403.5  | 5360.5  |
| 25°   | 5454.0  | 5469.2  | 5504.5  | 5570.2  | 5625.8  | 5683.9  | 5635.9  | 5575.3  | 5529.8  | 5469.2  |
| 27.5° | 5615.7  | 5633.4  | 5676.3  | 5757.2  | 5827.9  | 5878.4  | 5832.9  | 5754.6  | 5691.5  | 5618.2  |
| 30°   | 5843.0  | 5860.7  | 5911.3  | 5997.1  | 6045.1  | 6078.0  | 6047.7  | 5987.0  | 5911.3  | 5827.9  |
| 32.5° | 6136.1  | 6158.8  | 6214.4  | 6295.2  | 6305.3  | 6310.4  | 6300.3  | 6270.0  | 6214.4  | 6113.3  |
| 35°   | 6507.4  | 6532.7  | 6595.8  | 6661.5  | 6651.4  | 6661.5  | 6646.4  | 6636.3  | 6595.8  | 6479.6  |
| 37.5° | 6962.1  | 6992.5  | 7058.1  | 7108.7  | 7083.4  | 7070.8  | 7073.3  | 7075.8  | 7053.1  | 6924.2  |
| 40°   | 7490.1  | 7530.5  | 7578.5  | 7631.6  | 7588.6  | 7550.7  | 7576.0  | 7596.2  | 7576.0  | 7444.6  |
| 42.5° | 8033.2  | 8091.3  | 8141.9  | 8217.7  | 8182.3  | 8134.3  | 8169.7  | 8192.4  | 8149.4  | 8008.0  |
| 45°   | 8637.0  | 8692.6  | 8758.3  | 8871.9  | 8846.7  | 8796.1  | 8846.7  | 8851.7  | 8778.5  | 8611.7  |
| 47.5° | 9261.0  | 9319.1  | 9417.6  | 9569.2  | 9559.0  | 9503.5  | 9569.2  | 9533.8  | 9440.3  | 9240.8  |
| 50°   | 9852.1  | 9932.9  | 10084.5 | 10296.7 | 10316.9 | 10248.7 | 10337.1 | 10268.9 | 10112.3 | 9862.2  |
| 52.5° | 10407.8 | 10493.7 | 10733.7 | 11021.7 | 11095.0 | 11006.5 | 11125.3 | 11006.5 | 10771.6 | 10450.8 |
| 55°   | 10991.4 | 11087.4 | 11372.8 | 11749.2 | 11895.8 | 11830.1 | 11941.2 | 11761.9 | 11428.4 | 11039.4 |
| 57.5° | 11678.5 | 11736.6 | 12077.6 | 12524.8 | 12772.3 | 12787.5 | 12838.0 | 12534.9 | 12130.7 | 11688.6 |
| 60°   | 12423.7 | 12504.6 | 12875.9 | 13411.5 | 13803.0 | 13929.3 | 13876.3 | 13426.6 | 12956.8 | 12449.0 |
| 62.5° | 13378.6 | 13467.0 | 13911.7 | 14553.3 | 15172.2 | 15485.5 | 15278.3 | 14626.6 | 14045.5 | 13436.7 |
| 65°   | 14169.3 | 14267.8 | 15071.2 | 16215.5 | 17342.2 | 17971.2 | 17450.8 | 16250.9 | 15205.1 | 14346.2 |
| 67.5° | 13595.9 | 13717.1 | 14977.7 | 17079.5 | 19881.0 | 21758.0 | 19977.0 | 17337.1 | 15288.4 | 14123.8 |
| 70°   | 11883.1 | 11996.8 | 13467.0 | 16036.2 | 20595.9 | 24708.5 | 21025.4 | 16508.6 | 13515.0 | 12211.5 |
| 72.5° | 7889.2  | 8255.5  | 9743.5  | 12825.4 | 18390.6 | 22864.4 | 18572.4 | 12565.2 | 9038.7  | 7871.6  |
| 75°   | 2617.1  | 2910.2  | 3925.7  | 6648.9  | 12317.6 | 17099.7 | 11726.5 | 5883.5  | 3109.7  | 2238.2  |
| 77.5° | 659.3   | 760.4   | 1048.4  | 1902.2  | 4913.4  | 9735.9  | 4423.3  | 1553.6  | 846.3   | 591.1   |
| 80°   | 320.8   | 353.7   | 505.2   | 634.1   | 1230.2  | 3094.6  | 1154.5  | 596.2   | 399.1   | 308.2   |
| 82.5° | 176.8   | 179.4   | 285.5   | 358.7   | 457.2   | 800.8   | 474.9   | 348.6   | 229.9   | 186.9   |
| 85°   | 108.6   | 106.1   | 151.6   | 192.0   | 192.0   | 285.5   | 227.4   | 192.0   | 131.4   | 116.2   |
| 87.5° | 42.9    | 42.9    | 55.6    | 60.6    | 53.0    | 73.3    | 58.1    | 63.2    | 50.5    | 48.0    |
| 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°     |
|---------|
| 4819.9  |
| 4845.2  |
| 4883.1  |
| 4928.6  |
| 4971.5  |
| 5014.5  |
| 5082.7  |
| 5166.0  |
| 5262.0  |
| 5358.0  |
| 5466.6  |
| 5615.7  |
| 5827.9  |
| 6115.9  |
| 6479.6  |
| 6924.2  |
| 7444.6  |
| 8018.1  |
| 8629.4  |
| 9228.1  |
| 9857.1  |
| 10420.5 |
| 10986.3 |
| 11628.0 |
| 12368.2 |
| 13330.6 |
| 14204.7 |
| 13949.5 |
| 12037.2 |
| 7616.4  |
| 2116.9  |
| 528.0   |
| 282.9   |
| 186.9   |
| 121.3   |
| 50.5    |
| 0.0     |

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