

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: P952915

Luminaire Tested: **GLAN-SB6C-850-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952915  
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-850-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

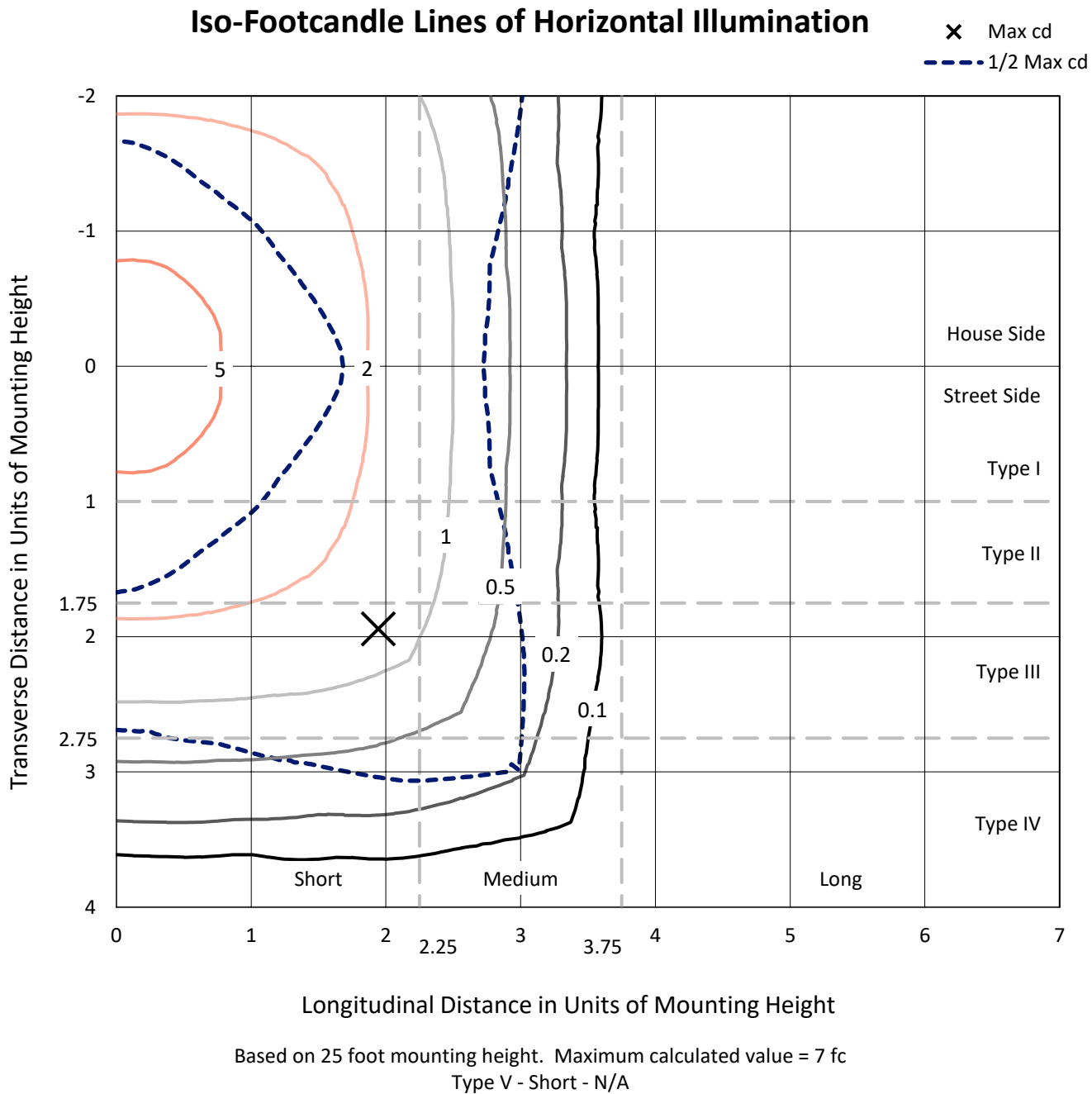
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45493 lumens  
Efficiency: N/A  
Efficacy: 151.2 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): 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

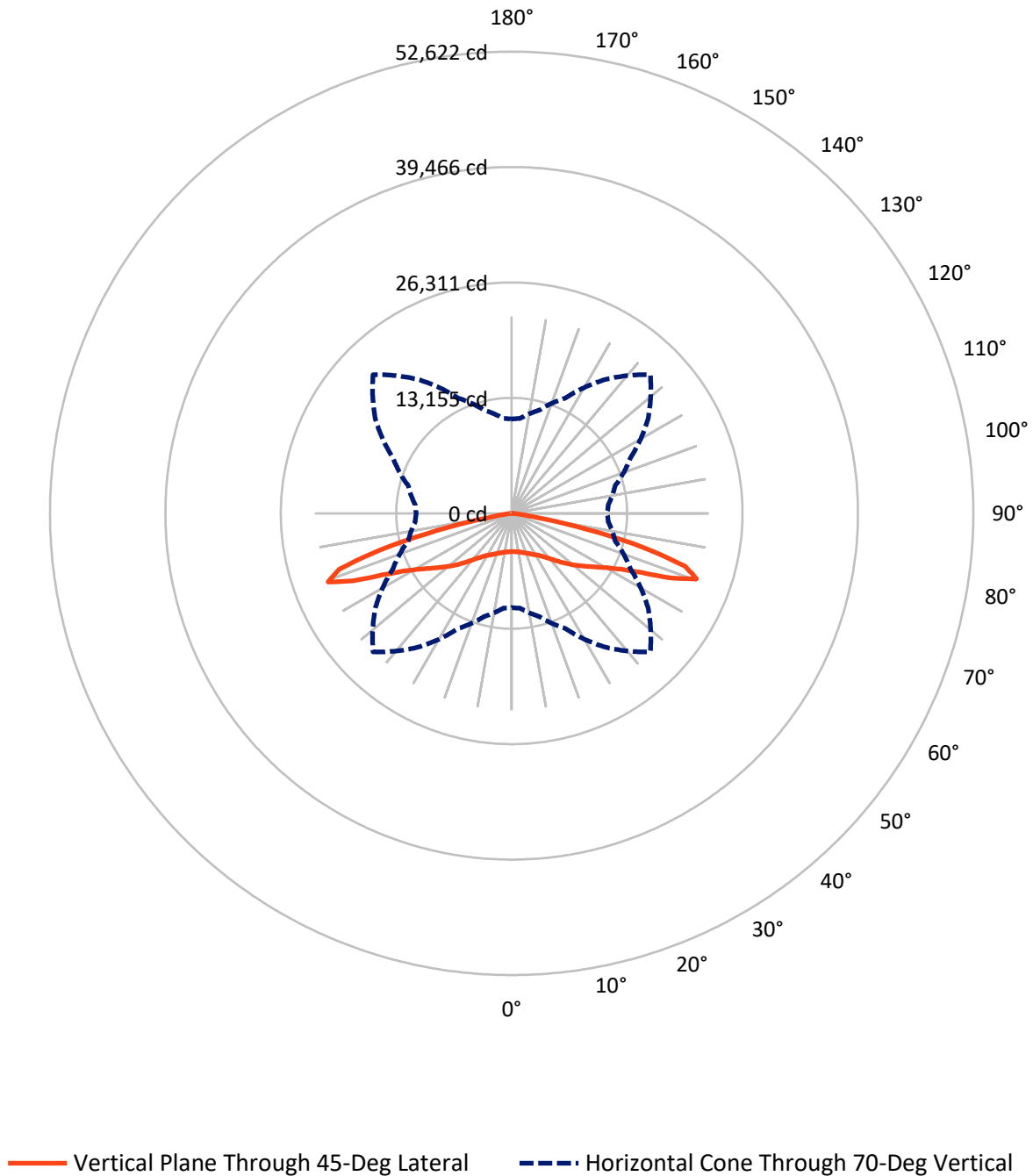


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## Luminous Intensity Polar Plot



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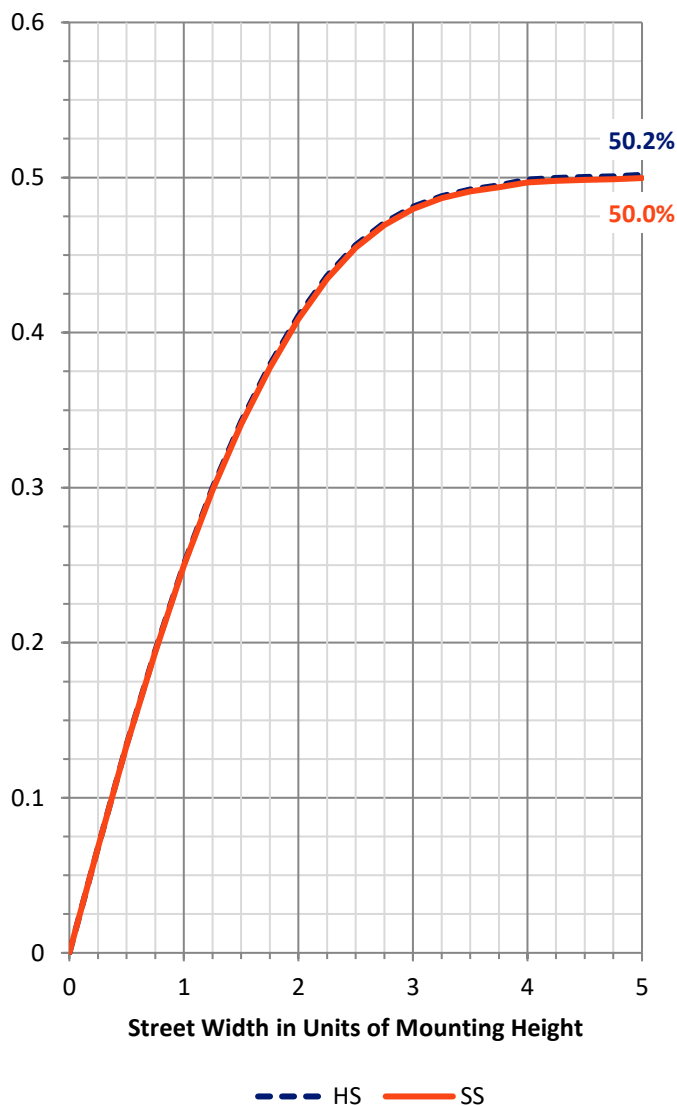
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 22746.5  | 0.0    | 22746.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 22746.5  | 0.0    | 22746.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 45493.0  | 0.0    | 45493.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 423.4   | 0.9       |
| 10°-20°   | 1312.8  | 2.9       |
| 20°-30°   | 2346.1  | 5.2       |
| 30°-40°   | 3803.0  | 8.4       |
| 40°-50°   | 6194.4  | 13.6      |
| 50°-60°   | 9444.4  | 20.8      |
| 60°-70°   | 14050.3 | 30.9      |
| 70°-80°   | 7657.9  | 16.8      |
| 80°-90°   | 260.8   | 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°    | 45493.0 | 100.0     |
| 0°-180°   | 45493.0 | 100.0     |

**Coefficient of Utilization**



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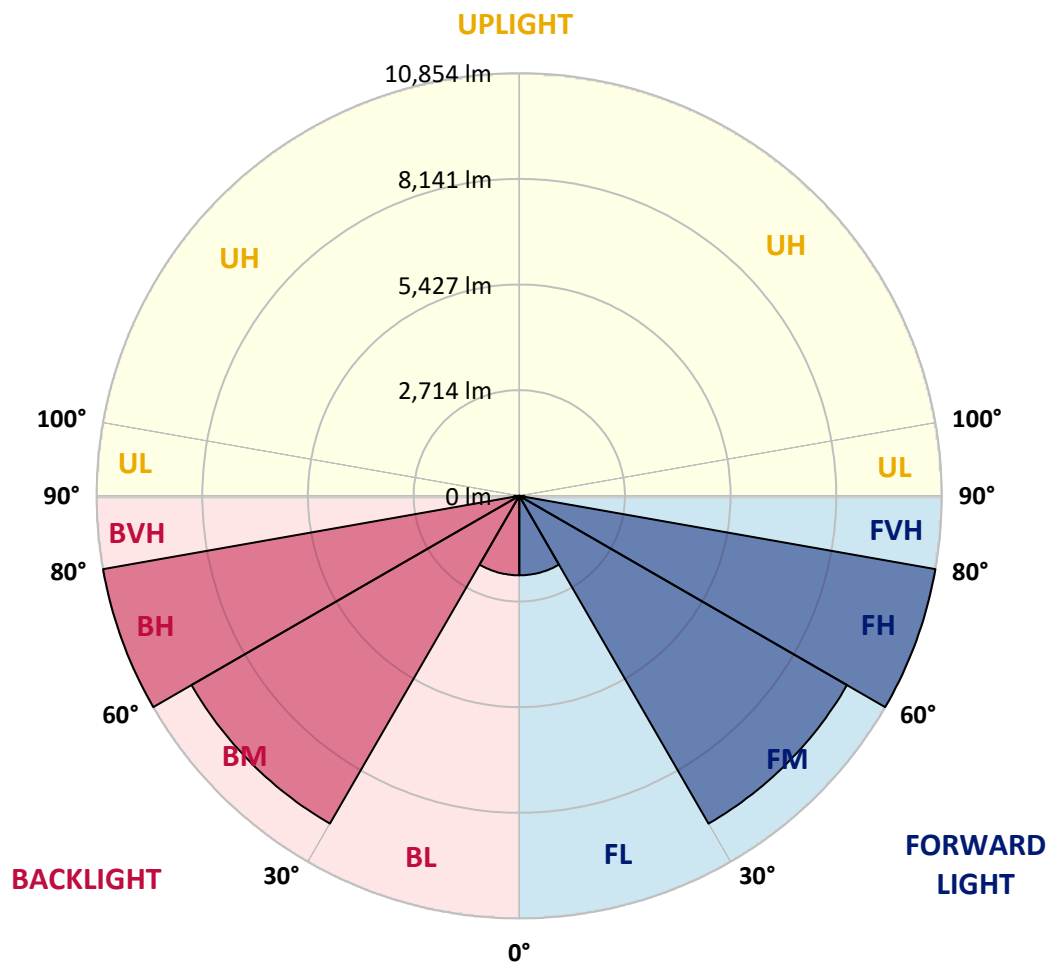
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2041.1  | 4.5       |                         |      |          |
| FM   | (30°-60°)   | 9720.9  | 21.4      |                         |      |          |
| FH   | (60°-80°)   | 10854.1 | 23.9      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 130.4   | 0.3       |                         |      | G2/225   |
| BL   | (0°-30°)    | 2041.1  | 4.5       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 9720.9  | 21.4      | B5                      |      |          |
| BH   | (60°-80°)   | 10854.1 | 23.9      | B5                      |      | G4/12000 |
| BVH  | (80°-90°)   | 130.4   | 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°    | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  | 4357.8  |
| 2.5°  | 4378.3  | 4382.9  | 4373.7  | 4369.2  | 4364.6  | 4357.8  | 4360.0  | 4371.5  | 4380.6  | 4378.3  |
| 5°    | 4414.9  | 4419.4  | 4412.6  | 4410.3  | 4401.2  | 4398.9  | 4398.9  | 4410.3  | 4417.1  | 4412.6  |
| 7.5°  | 4456.0  | 4462.8  | 4451.4  | 4449.1  | 4444.5  | 4440.0  | 4437.7  | 4449.1  | 4456.0  | 4456.0  |
| 10°   | 4494.8  | 4501.6  | 4492.5  | 4485.7  | 4481.1  | 4481.1  | 4476.5  | 4485.7  | 4497.1  | 4494.8  |
| 12.5° | 4535.9  | 4540.5  | 4531.3  | 4526.8  | 4526.8  | 4533.6  | 4526.8  | 4531.3  | 4540.5  | 4535.9  |
| 15°   | 4586.2  | 4588.4  | 4586.2  | 4593.0  | 4604.4  | 4627.3  | 4606.7  | 4602.1  | 4606.7  | 4595.3  |
| 17.5° | 4654.7  | 4659.2  | 4668.4  | 4684.4  | 4700.3  | 4741.5  | 4704.9  | 4693.5  | 4693.5  | 4670.7  |
| 20°   | 4739.2  | 4746.0  | 4759.7  | 4787.1  | 4807.7  | 4846.5  | 4810.0  | 4794.0  | 4787.1  | 4757.4  |
| 22.5° | 4828.3  | 4839.7  | 4860.2  | 4896.8  | 4933.3  | 4969.9  | 4933.3  | 4905.9  | 4885.3  | 4846.5  |
| 25°   | 4931.0  | 4944.7  | 4976.7  | 5036.1  | 5086.3  | 5138.9  | 5095.5  | 5040.7  | 4999.5  | 4944.7  |
| 27.5° | 5077.2  | 5093.2  | 5132.0  | 5205.1  | 5269.1  | 5314.7  | 5273.6  | 5202.8  | 5145.7  | 5079.5  |
| 30°   | 5282.8  | 5298.7  | 5344.4  | 5422.1  | 5465.5  | 5495.2  | 5467.8  | 5412.9  | 5344.4  | 5269.1  |
| 32.5° | 5547.7  | 5568.2  | 5618.5  | 5691.6  | 5700.7  | 5705.3  | 5696.1  | 5668.7  | 5618.5  | 5527.1  |
| 35°   | 5883.4  | 5906.3  | 5963.4  | 6022.8  | 6013.6  | 6022.8  | 6009.0  | 5999.9  | 5963.4  | 5858.3  |
| 37.5° | 6294.5  | 6321.9  | 6381.3  | 6427.0  | 6404.2  | 6392.7  | 6395.0  | 6397.3  | 6376.8  | 6260.3  |
| 40°   | 6771.9  | 6808.4  | 6851.8  | 6899.8  | 6861.0  | 6826.7  | 6849.5  | 6867.8  | 6849.5  | 6730.8  |
| 42.5° | 7262.9  | 7315.5  | 7361.1  | 7429.7  | 7397.7  | 7354.3  | 7386.3  | 7406.8  | 7368.0  | 7240.1  |
| 45°   | 7808.8  | 7859.0  | 7918.4  | 8021.2  | 7998.4  | 7952.7  | 7998.4  | 8002.9  | 7936.7  | 7786.0  |
| 47.5° | 8372.9  | 8425.5  | 8514.5  | 8651.6  | 8642.4  | 8592.2  | 8651.6  | 8619.6  | 8535.1  | 8354.7  |
| 50°   | 8907.4  | 8980.5  | 9117.5  | 9309.3  | 9327.6  | 9265.9  | 9345.9  | 9284.2  | 9142.6  | 8916.5  |
| 52.5° | 9409.8  | 9487.5  | 9704.5  | 9964.8  | 10031.1 | 9951.1  | 10058.5 | 9951.1  | 9738.7  | 9448.7  |
| 55°   | 9937.4  | 10024.2 | 10282.3 | 10622.6 | 10755.1 | 10695.7 | 10796.2 | 10634.0 | 10332.5 | 9980.8  |
| 57.5° | 10558.7 | 10611.2 | 10919.5 | 11323.8 | 11547.6 | 11561.3 | 11607.0 | 11332.9 | 10967.5 | 10567.8 |
| 60°   | 11232.4 | 11305.5 | 11641.2 | 12125.4 | 12479.5 | 12593.6 | 12545.7 | 12139.1 | 11714.3 | 11255.3 |
| 62.5° | 12095.7 | 12175.7 | 12577.7 | 13157.8 | 13717.3 | 14000.6 | 13813.3 | 13224.0 | 12698.7 | 12148.3 |
| 65°   | 12810.6 | 12899.7 | 13626.0 | 14660.6 | 15679.3 | 16248.0 | 15777.5 | 14692.6 | 13747.0 | 12970.5 |
| 67.5° | 12292.2 | 12401.8 | 13541.5 | 15441.7 | 17974.6 | 19671.6 | 18061.4 | 15674.7 | 13822.4 | 12769.5 |
| 70°   | 10743.7 | 10846.4 | 12175.7 | 14498.5 | 18621.0 | 22339.2 | 19009.2 | 14925.6 | 12219.1 | 11040.6 |
| 72.5° | 7132.7  | 7463.9  | 8809.2  | 11595.6 | 16627.1 | 20671.9 | 16791.5 | 11360.3 | 8171.9  | 7116.8  |
| 75°   | 2366.2  | 2631.1  | 3549.2  | 6011.3  | 11136.5 | 15460.0 | 10602.1 | 5319.3  | 2811.5  | 2023.6  |
| 77.5° | 596.1   | 687.5   | 947.8   | 1719.8  | 4442.3  | 8802.3  | 3999.2  | 1404.6  | 765.1   | 534.4   |
| 80°   | 290.1   | 319.8   | 456.8   | 573.3   | 1112.3  | 2797.8  | 1043.8  | 539.0   | 360.9   | 278.6   |
| 82.5° | 159.9   | 162.2   | 258.1   | 324.3   | 413.4   | 724.0   | 429.4   | 315.2   | 207.8   | 169.0   |
| 85°   | 98.2    | 95.9    | 137.0   | 173.6   | 173.6   | 258.1   | 205.6   | 173.6   | 118.8   | 105.1   |
| 87.5° | 38.8    | 38.8    | 50.2    | 54.8    | 48.0    | 66.2    | 52.5    | 57.1    | 45.7    | 43.4    |
| 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°     |
|---------|
| 4357.8  |
| 4380.6  |
| 4414.9  |
| 4456.0  |
| 4494.8  |
| 4533.6  |
| 4595.3  |
| 4670.7  |
| 4757.4  |
| 4844.2  |
| 4942.4  |
| 5077.2  |
| 5269.1  |
| 5529.4  |
| 5858.3  |
| 6260.3  |
| 6730.8  |
| 7249.2  |
| 7801.9  |
| 8343.2  |
| 8911.9  |
| 9421.3  |
| 9932.9  |
| 10513.0 |
| 11182.2 |
| 12052.4 |
| 12842.6 |
| 12611.9 |
| 10883.0 |
| 6886.1  |
| 1913.9  |
| 477.3   |
| 255.8   |
| 169.0   |
| 109.6   |
| 45.7    |
| 0.0     |

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