

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: P954049

Luminaire Tested: **GLAN-SB7B-935-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954049  
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-SB7B-935-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29175 lumens  
Efficiency: N/A  
Efficacy: 113.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

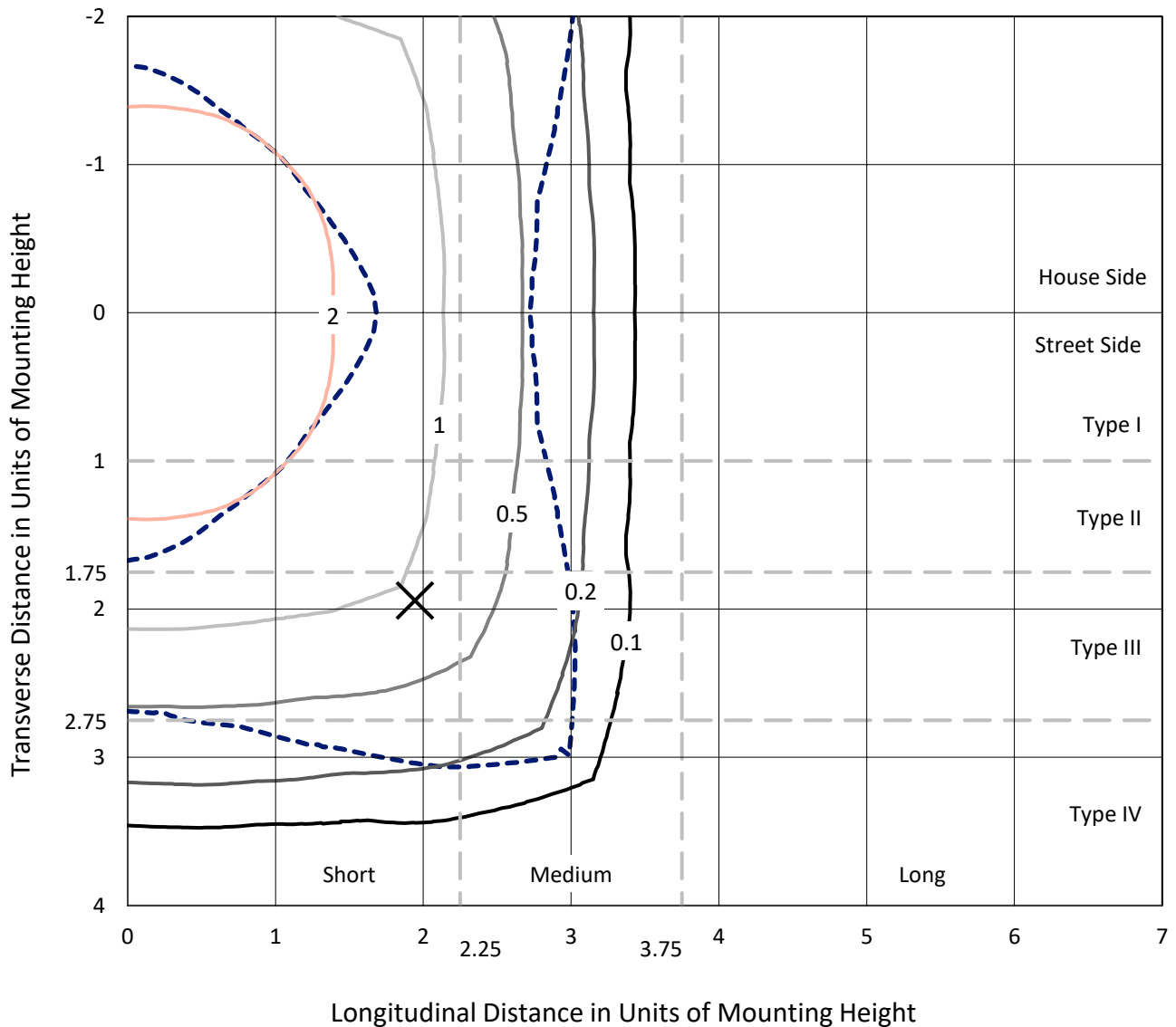
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

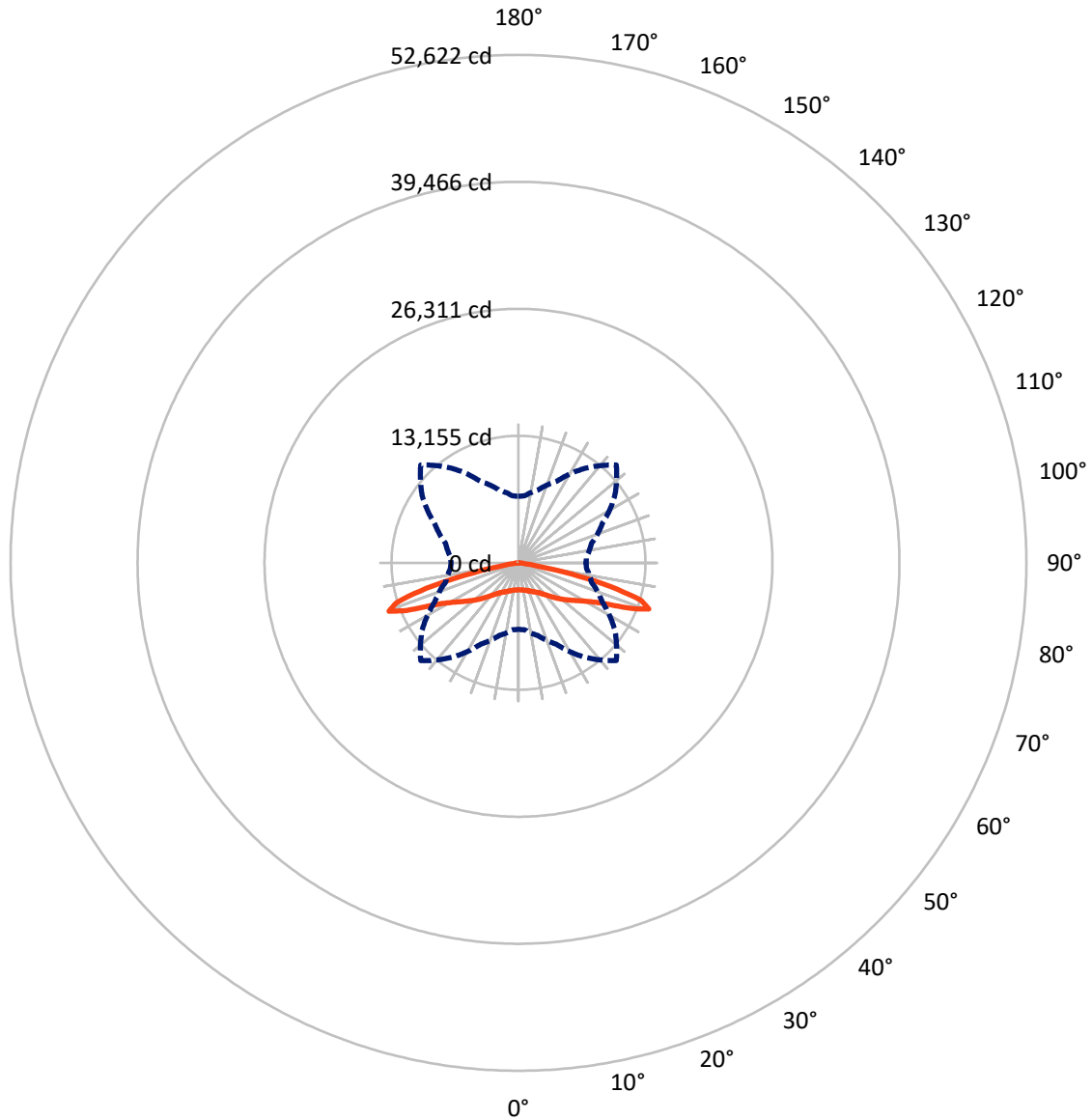
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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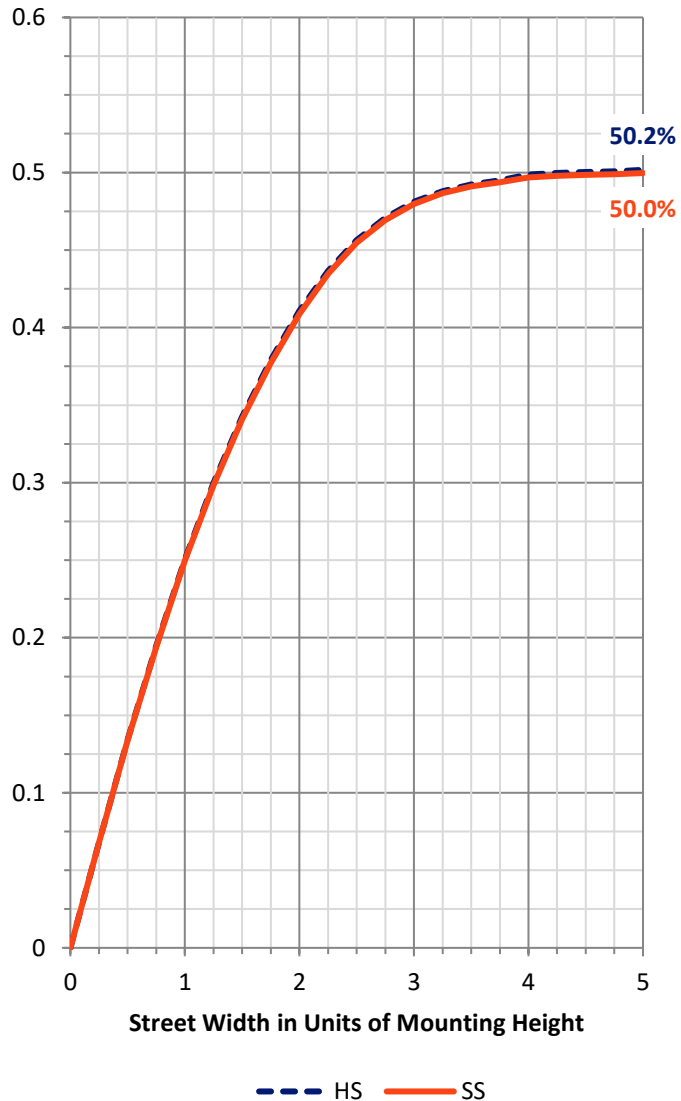
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 14587.5  | 0.0    | 14587.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 14587.5  | 0.0    | 14587.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 29175.0  | 0.0    | 29175.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 271.5   | 0.9       |
| 10°-20°   | 841.9   | 2.9       |
| 20°-30°   | 1504.6  | 5.2       |
| 30°-40°   | 2438.9  | 8.4       |
| 40°-50°   | 3972.5  | 13.6      |
| 50°-60°   | 6056.8  | 20.8      |
| 60°-70°   | 9010.6  | 30.9      |
| 70°-80°   | 4911.1  | 16.8      |
| 80°-90°   | 167.2   | 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°    | 29175.0 | 100.0     |
| 0°-180°   | 29175.0 | 100.0     |

**Coefficient of Utilization**



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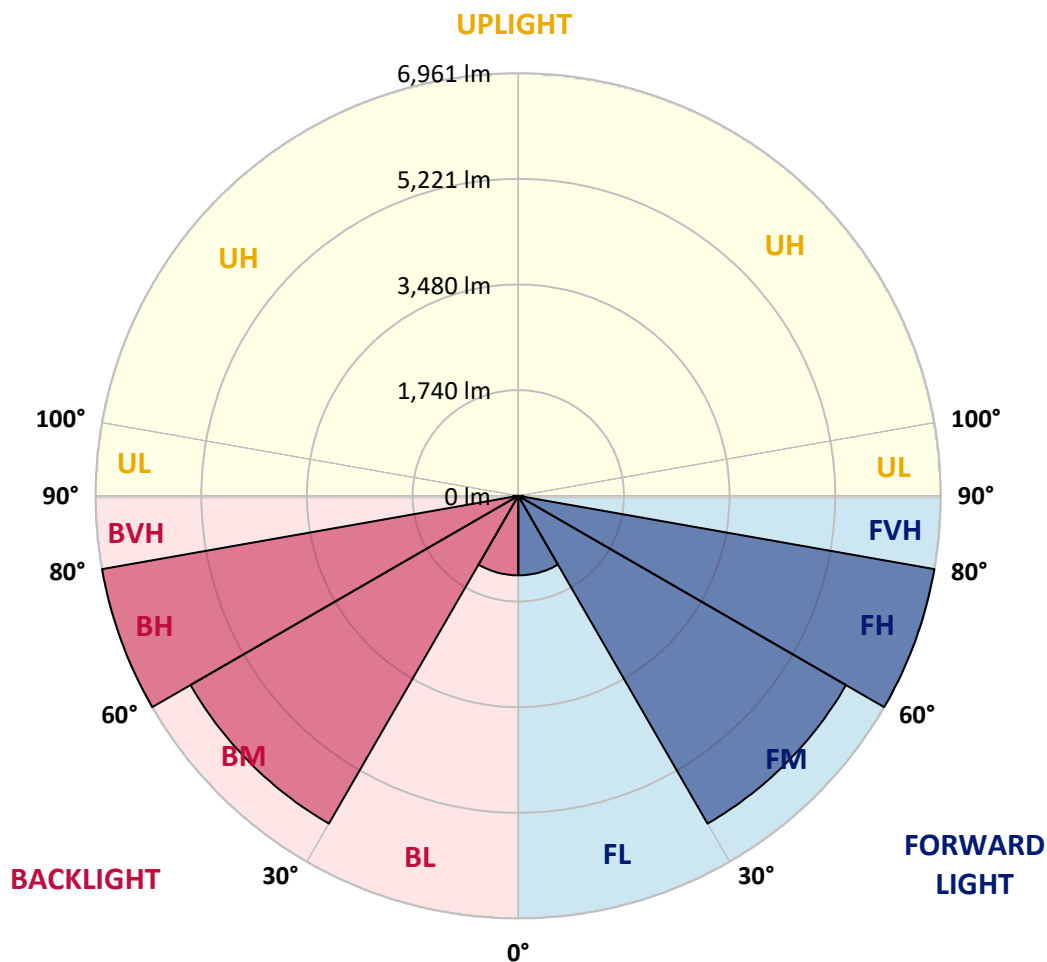
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1309.0 | 4.5       |                         |      |         |
| FM (30°-60°)   | 6234.1 | 21.4      |                         |      |         |
| FH (60°-80°)   | 6960.8 | 23.9      |                         |      | G3/7500 |
| FVH (80°-90°)  | 83.6   | 0.3       |                         |      | G1/100  |
| BL (0°-30°)    | 1309.0 | 4.5       | B3/2500                 |      |         |
| BM (30°-60°)   | 6234.1 | 21.4      | B4/8500                 |      |         |
| BH (60°-80°)   | 6960.8 | 23.9      | B5                      |      | G3/7500 |
| BVH (80°-90°)  | 83.6   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°     | 45°     | 55°     | 65°     | 75°    | 85°    |
|-------|--------|--------|--------|--------|---------|---------|---------|---------|--------|--------|
| 0°    | 2794.7 | 2794.7 | 2794.7 | 2794.7 | 2794.7  | 2794.7  | 2794.7  | 2794.7  | 2794.7 | 2794.7 |
| 2.5°  | 2807.8 | 2810.8 | 2804.9 | 2802.0 | 2799.1  | 2794.7  | 2796.1  | 2803.5  | 2809.3 | 2807.8 |
| 5°    | 2831.3 | 2834.2 | 2829.8 | 2828.4 | 2822.5  | 2821.0  | 2821.0  | 2828.4  | 2832.7 | 2829.8 |
| 7.5°  | 2857.6 | 2862.0 | 2854.7 | 2853.3 | 2850.3  | 2847.4  | 2845.9  | 2853.3  | 2857.6 | 2857.6 |
| 10°   | 2882.5 | 2886.9 | 2881.1 | 2876.7 | 2873.8  | 2873.8  | 2870.8  | 2876.7  | 2884.0 | 2882.5 |
| 12.5° | 2908.9 | 2911.8 | 2906.0 | 2903.1 | 2903.1  | 2907.4  | 2903.1  | 2906.0  | 2911.8 | 2908.9 |
| 15°   | 2941.1 | 2942.6 | 2941.1 | 2945.5 | 2952.9  | 2967.5  | 2954.3  | 2951.4  | 2954.3 | 2947.0 |
| 17.5° | 2985.1 | 2988.0 | 2993.9 | 3004.1 | 3014.4  | 3040.7  | 3017.3  | 3010.0  | 3010.0 | 2995.3 |
| 20°   | 3039.3 | 3043.7 | 3052.5 | 3070.0 | 3083.2  | 3108.1  | 3084.7  | 3074.4  | 3070.0 | 3051.0 |
| 22.5° | 3096.4 | 3103.7 | 3116.9 | 3140.3 | 3163.8  | 3187.2  | 3163.8  | 3146.2  | 3133.0 | 3108.1 |
| 25°   | 3162.3 | 3171.1 | 3191.6 | 3229.7 | 3261.9  | 3295.6  | 3267.8  | 3232.6  | 3206.2 | 3171.1 |
| 27.5° | 3256.0 | 3266.3 | 3291.2 | 3338.1 | 3379.1  | 3408.4  | 3382.0  | 3336.6  | 3300.0 | 3257.5 |
| 30°   | 3387.9 | 3398.1 | 3427.4 | 3477.2 | 3505.0  | 3524.1  | 3506.5  | 3471.4  | 3427.4 | 3379.1 |
| 32.5° | 3557.8 | 3571.0 | 3603.2 | 3650.1 | 3655.9  | 3658.8  | 3653.0  | 3635.4  | 3603.2 | 3544.6 |
| 35°   | 3773.1 | 3787.7 | 3824.4 | 3862.4 | 3856.6  | 3862.4  | 3853.6  | 3847.8  | 3824.4 | 3757.0 |
| 37.5° | 4036.7 | 4054.3 | 4092.4 | 4121.7 | 4107.0  | 4099.7  | 4101.2  | 4102.6  | 4089.5 | 4014.8 |
| 40°   | 4342.9 | 4366.3 | 4394.1 | 4424.9 | 4400.0  | 4378.0  | 4392.7  | 4404.4  | 4392.7 | 4316.5 |
| 42.5° | 4657.8 | 4691.5 | 4720.8 | 4764.7 | 4744.2  | 4716.4  | 4736.9  | 4750.0  | 4725.1 | 4643.1 |
| 45°   | 5007.8 | 5040.1 | 5078.1 | 5144.1 | 5129.4  | 5100.1  | 5129.4  | 5132.3  | 5089.9 | 4993.2 |
| 47.5° | 5369.6 | 5403.3 | 5460.4 | 5548.3 | 5542.5  | 5510.2  | 5548.3  | 5527.8  | 5473.6 | 5357.9 |
| 50°   | 5712.4 | 5759.2 | 5847.1 | 5970.2 | 5981.9  | 5942.3  | 5993.6  | 5954.0  | 5863.2 | 5718.2 |
| 52.5° | 6034.6 | 6084.4 | 6223.5 | 6390.5 | 6433.0  | 6381.7  | 6450.6  | 6381.7  | 6245.5 | 6059.5 |
| 55°   | 6372.9 | 6428.6 | 6594.1 | 6812.4 | 6897.3  | 6859.2  | 6923.7  | 6819.7  | 6626.3 | 6400.8 |
| 57.5° | 6771.3 | 6805.0 | 7002.8 | 7262.0 | 7405.6  | 7414.4  | 7443.6  | 7267.9  | 7033.5 | 6777.2 |
| 60°   | 7203.4 | 7250.3 | 7465.6 | 7776.1 | 8003.2  | 8076.4  | 8045.6  | 7784.9  | 7512.5 | 7218.1 |
| 62.5° | 7757.1 | 7808.4 | 8066.1 | 8438.2 | 8797.0  | 8978.7  | 8858.6  | 8480.7  | 8143.8 | 7790.8 |
| 65°   | 8215.5 | 8272.7 | 8738.4 | 9402.0 | 10055.2 | 10419.9 | 10118.2 | 9422.5  | 8816.1 | 8318.1 |
| 67.5° | 7883.1 | 7953.4 | 8684.3 | 9902.9 | 11527.3 | 12615.5 | 11582.9 | 10052.3 | 8864.4 | 8189.2 |
| 70°   | 6890.0 | 6955.9 | 7808.4 | 9298.0 | 11941.8 | 14326.3 | 12190.8 | 9571.9  | 7836.2 | 7080.4 |
| 72.5° | 4574.3 | 4786.7 | 5649.4 | 7436.3 | 10663.1 | 13257.1 | 10768.5 | 7285.5  | 5240.7 | 4564.0 |
| 75°   | 1517.4 | 1687.3 | 2276.2 | 3855.1 | 7141.9  | 9914.6  | 6799.2  | 3411.3  | 1803.1 | 1297.7 |
| 77.5° | 382.3  | 440.9  | 607.9  | 1102.9 | 2848.9  | 5645.0  | 2564.7  | 900.8   | 490.7  | 342.7  |
| 80°   | 186.0  | 205.1  | 292.9  | 367.6  | 713.3   | 1794.3  | 669.4   | 345.7   | 231.4  | 178.7  |
| 82.5° | 102.5  | 104.0  | 165.5  | 208.0  | 265.1   | 464.3   | 275.4   | 202.1   | 133.3  | 108.4  |
| 85°   | 63.0   | 61.5   | 87.9   | 111.3  | 111.3   | 165.5   | 131.8   | 111.3   | 76.2   | 67.4   |
| 87.5° | 24.9   | 24.9   | 32.2   | 35.2   | 30.8    | 42.5    | 33.7    | 36.6    | 29.3   | 27.8   |
| 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°    |
|--------|
| 2794.7 |
| 2809.3 |
| 2831.3 |
| 2857.6 |
| 2882.5 |
| 2907.4 |
| 2947.0 |
| 2995.3 |
| 3051.0 |
| 3106.6 |
| 3169.6 |
| 3256.0 |
| 3379.1 |
| 3546.1 |
| 3757.0 |
| 4014.8 |
| 4316.5 |
| 4649.0 |
| 5003.4 |
| 5350.6 |
| 5715.3 |
| 6041.9 |
| 6370.0 |
| 6742.1 |
| 7171.2 |
| 7729.3 |
| 8236.1 |
| 8088.1 |
| 6979.3 |
| 4416.1 |
| 1227.4 |
| 306.1  |
| 164.0  |
| 108.4  |
| 70.3   |
| 29.3   |
| 0.0    |

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