

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: P949307

Luminaire Tested: **GLAN-SB4A-835-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949307  
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-SB4A-835-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

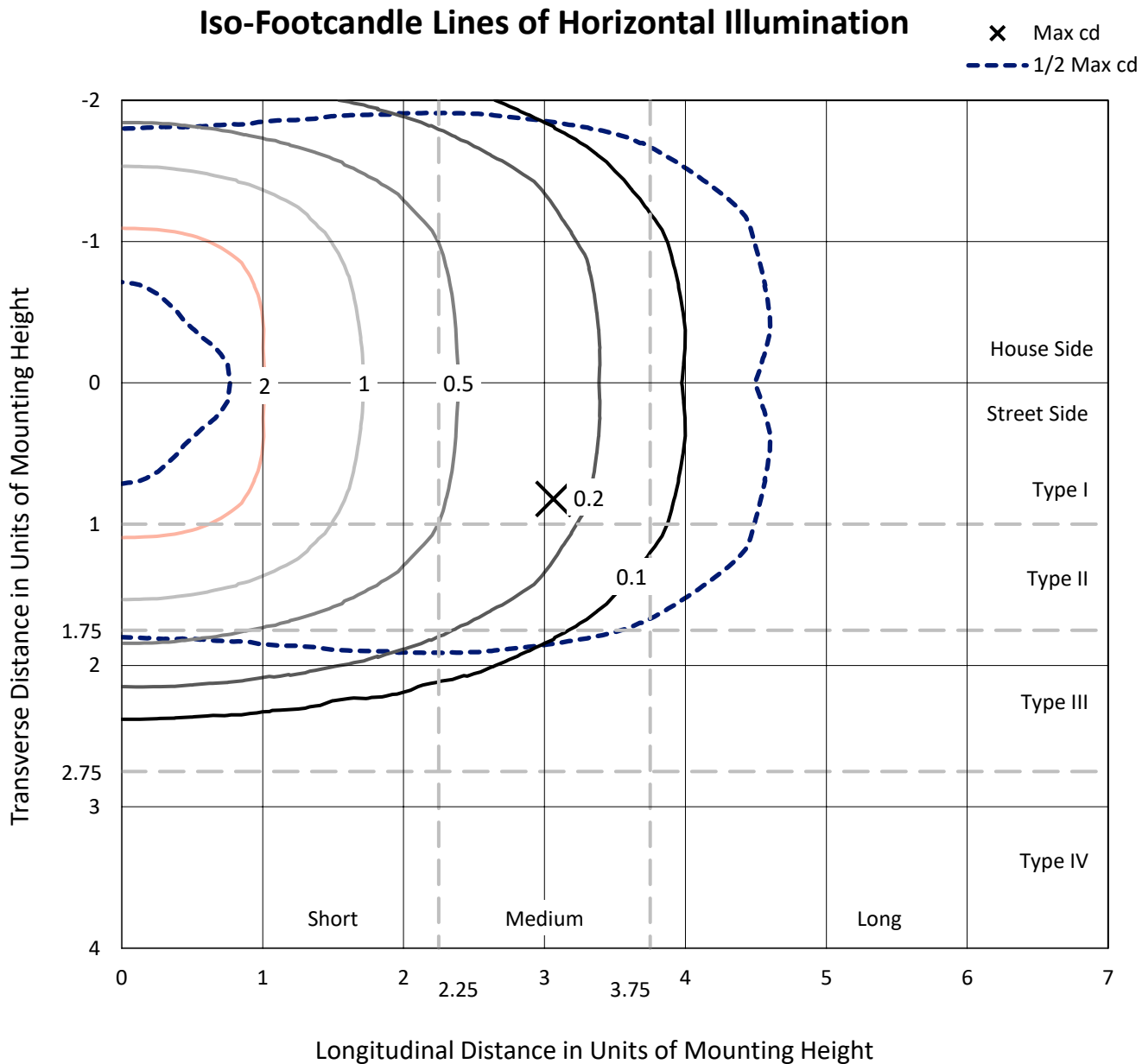
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17171 lumens  
Efficiency: N/A  
Efficacy: 150.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 114  
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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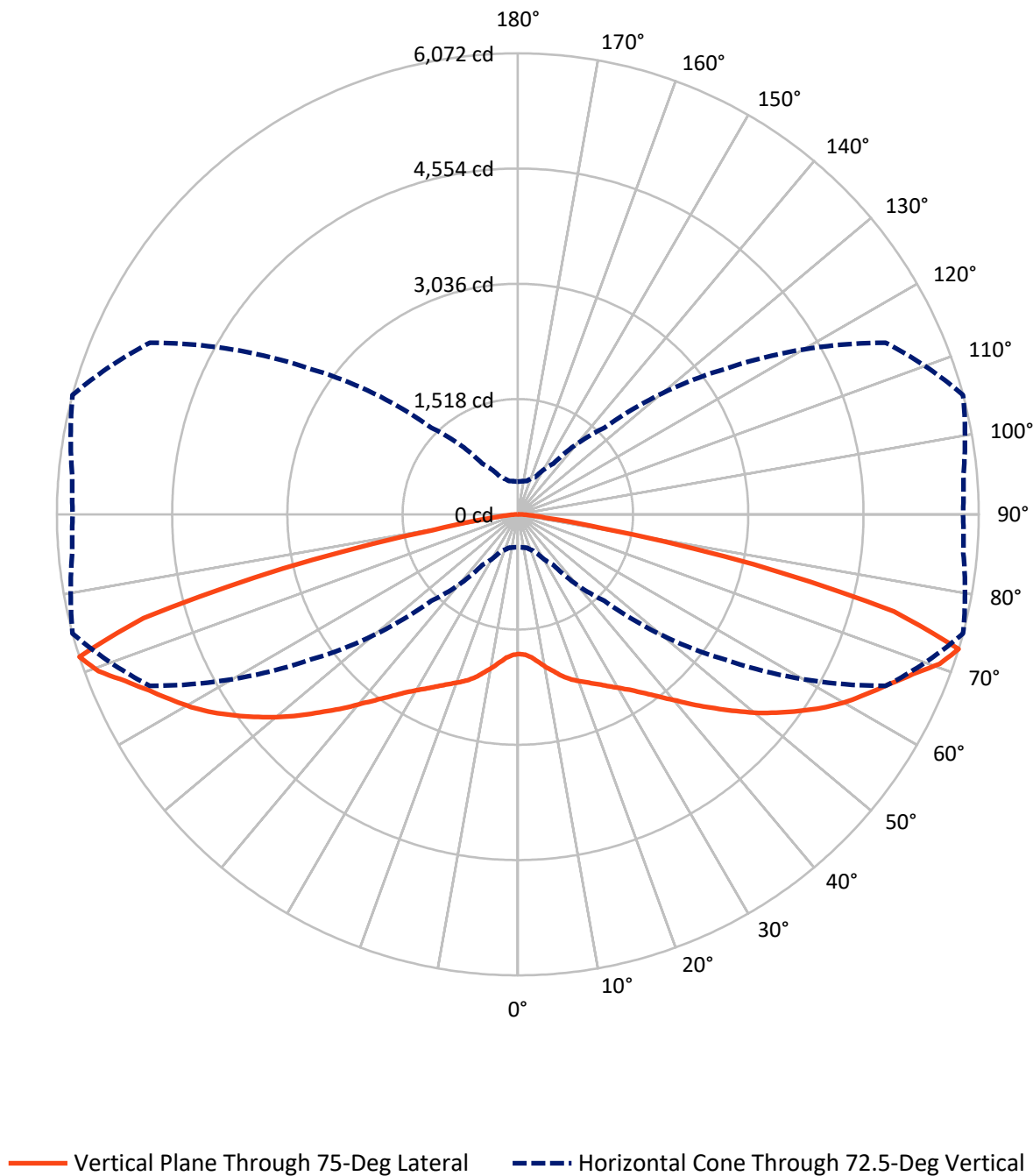


Based on 25 foot mounting height. Maximum calculated value = 3.2 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8585.5   | 0.0    | 8585.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8585.5   | 0.0    | 8585.5  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 17171.0  | 0.0    | 17171.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 180.2   | 1.0       |
| 10°-20°   | 594.3   | 3.5       |
| 20°-30°   | 1148.3  | 6.7       |
| 30°-40°   | 1938.9  | 11.3      |
| 40°-50°   | 3075.0  | 17.9      |
| 50°-60°   | 4117.0  | 24.0      |
| 60°-70°   | 3918.1  | 22.8      |
| 70°-80°   | 2044.5  | 11.9      |
| 80°-90°   | 154.8   | 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°    | 17171.0 | 100.0     |
| 0°-180°   | 17171.0 | 100.0     |

**Coefficient of Utilization**



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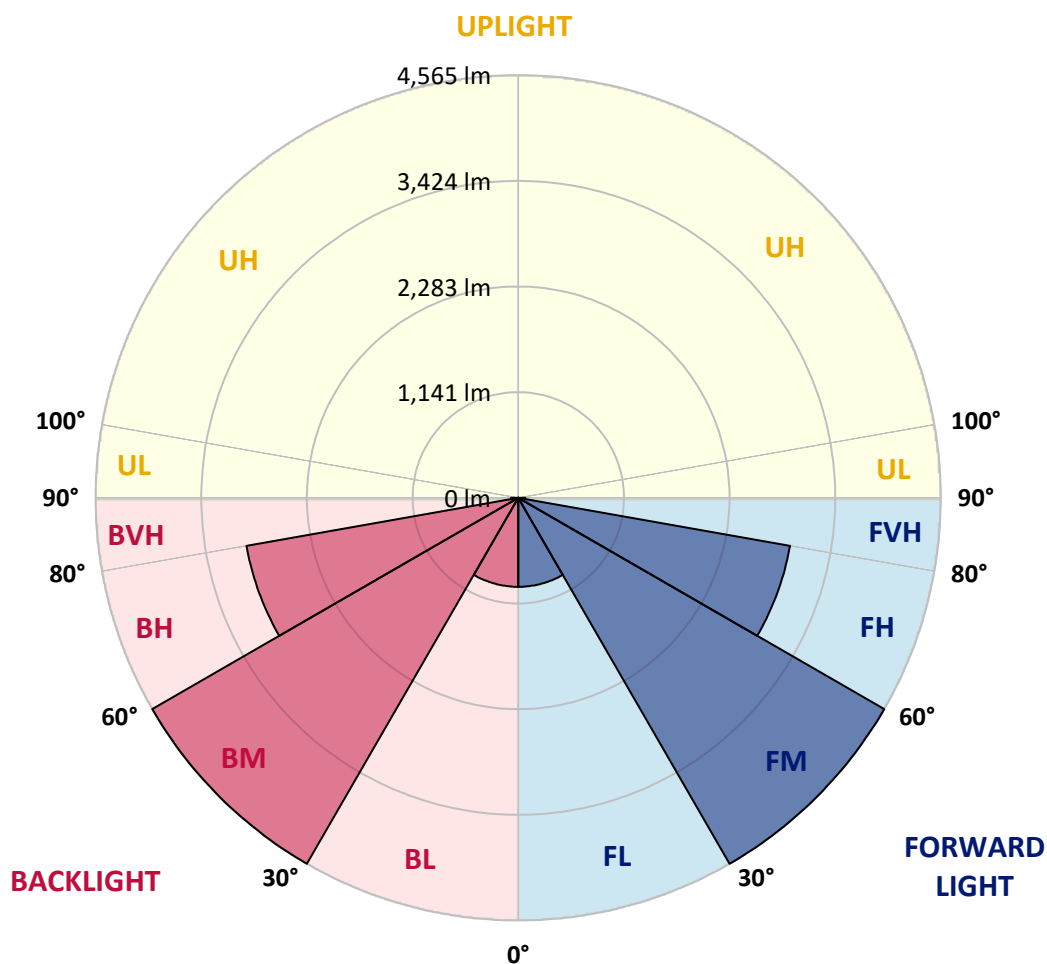
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 961.4  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 4565.5 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 2981.3 | 17.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 77.4   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 961.4  | 5.6       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 4565.5 | 26.6      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2981.3 | 17.4      | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 77.4   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G4**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 | 1839.3 |
| 2.5°  | 1839.3 | 1837.6 | 1839.3 | 1841.1 | 1840.2 | 1840.2 | 1844.6 | 1847.2 | 1852.5 | 1851.6 |
| 5°    | 1827.0 | 1826.2 | 1833.2 | 1841.1 | 1847.2 | 1857.7 | 1870.9 | 1880.5 | 1892.8 | 1895.4 |
| 7.5°  | 1820.9 | 1818.3 | 1830.6 | 1844.6 | 1863.9 | 1890.2 | 1915.6 | 1941.9 | 1962.9 | 1970.0 |
| 10°   | 1825.3 | 1826.2 | 1842.8 | 1869.1 | 1899.8 | 1936.6 | 1972.6 | 2017.3 | 2047.1 | 2054.1 |
| 12.5° | 1845.5 | 1843.7 | 1871.8 | 1913.8 | 1955.9 | 2002.4 | 2044.5 | 2093.6 | 2126.0 | 2142.7 |
| 15°   | 1882.3 | 1878.8 | 1918.2 | 1980.5 | 2041.8 | 2096.2 | 2130.4 | 2176.9 | 2214.6 | 2235.6 |
| 17.5° | 1926.1 | 1927.9 | 1979.6 | 2060.3 | 2140.9 | 2202.3 | 2234.7 | 2258.4 | 2287.3 | 2305.7 |
| 20°   | 2003.3 | 2006.8 | 2064.6 | 2160.2 | 2252.2 | 2322.4 | 2348.7 | 2339.9 | 2347.8 | 2361.8 |
| 22.5° | 2106.7 | 2108.5 | 2173.3 | 2276.8 | 2373.2 | 2450.4 | 2467.9 | 2432.0 | 2410.1 | 2419.7 |
| 25°   | 2226.8 | 2238.2 | 2303.1 | 2409.2 | 2508.2 | 2581.9 | 2589.8 | 2535.4 | 2481.1 | 2483.7 |
| 27.5° | 2373.2 | 2383.8 | 2449.5 | 2554.7 | 2655.5 | 2719.5 | 2718.7 | 2645.9 | 2566.1 | 2545.9 |
| 30°   | 2531.9 | 2543.3 | 2610.8 | 2719.5 | 2813.3 | 2869.4 | 2857.2 | 2770.4 | 2656.4 | 2618.7 |
| 32.5° | 2720.4 | 2727.4 | 2795.8 | 2904.5 | 2991.3 | 3036.0 | 3010.6 | 2903.6 | 2761.6 | 2718.7 |
| 35°   | 2948.3 | 2958.9 | 3009.7 | 3112.3 | 3188.6 | 3225.4 | 3182.4 | 3056.2 | 2896.6 | 2848.4 |
| 37.5° | 3208.7 | 3201.7 | 3259.6 | 3350.8 | 3413.9 | 3436.7 | 3377.9 | 3228.0 | 3050.9 | 2993.9 |
| 40°   | 3480.5 | 3477.0 | 3540.1 | 3627.8 | 3662.0 | 3676.0 | 3589.2 | 3425.3 | 3228.9 | 3167.5 |
| 42.5° | 3726.9 | 3724.2 | 3809.3 | 3906.6 | 3947.8 | 3932.0 | 3822.4 | 3634.8 | 3434.9 | 3364.8 |
| 45°   | 3924.1 | 3920.6 | 4024.9 | 4161.7 | 4242.4 | 4216.1 | 4068.8 | 3866.3 | 3643.6 | 3570.8 |
| 47.5° | 4075.8 | 4077.5 | 4189.8 | 4359.0 | 4500.1 | 4509.8 | 4320.4 | 4102.1 | 3873.3 | 3790.9 |
| 50°   | 4185.4 | 4190.6 | 4310.7 | 4498.4 | 4691.2 | 4776.3 | 4577.3 | 4344.1 | 4110.9 | 4017.9 |
| 52.5° | 4212.6 | 4222.2 | 4366.9 | 4586.9 | 4814.0 | 4976.2 | 4838.5 | 4576.4 | 4336.2 | 4247.6 |
| 55°   | 4067.9 | 4087.2 | 4270.4 | 4579.9 | 4889.4 | 5107.7 | 5068.2 | 4812.2 | 4563.2 | 4472.1 |
| 57.5° | 3735.6 | 3762.8 | 3976.7 | 4380.9 | 4872.7 | 5198.0 | 5246.2 | 5038.4 | 4790.3 | 4702.6 |
| 60°   | 3270.1 | 3302.5 | 3507.7 | 3948.7 | 4637.8 | 5231.3 | 5371.6 | 5258.5 | 4999.0 | 4913.9 |
| 62.5° | 2567.9 | 2609.9 | 2855.4 | 3372.7 | 4141.5 | 5076.1 | 5478.5 | 5457.5 | 5186.6 | 5080.5 |
| 65°   | 1647.3 | 1692.0 | 1950.7 | 2561.7 | 3479.6 | 4600.9 | 5511.8 | 5651.2 | 5384.7 | 5236.5 |
| 67.5° | 993.3  | 1013.5 | 1141.5 | 1552.6 | 2543.3 | 3884.7 | 5229.5 | 5866.0 | 5616.2 | 5432.0 |
| 70°   | 635.6  | 647.0  | 723.3  | 911.8  | 1437.8 | 2834.4 | 4529.9 | 5906.3 | 5896.7 | 5632.8 |
| 72.5° | 431.3  | 434.8  | 455.0  | 540.0  | 813.6  | 1610.5 | 3341.1 | 5347.0 | 6072.0 | 5891.4 |
| 75°   | 315.6  | 334.9  | 367.3  | 382.2  | 462.0  | 804.8  | 1914.7 | 3756.7 | 5117.3 | 5196.2 |
| 77.5° | 235.0  | 235.8  | 280.5  | 298.1  | 329.6  | 428.7  | 810.1  | 2097.1 | 3177.2 | 3335.9 |
| 80°   | 199.0  | 188.5  | 187.6  | 240.2  | 248.1  | 267.4  | 362.1  | 724.2  | 1138.0 | 690.0  |
| 82.5° | 165.7  | 154.3  | 139.4  | 187.6  | 169.2  | 163.9  | 156.9  | 294.6  | 362.1  | 178.0  |
| 85°   | 115.7  | 110.5  | 105.2  | 122.7  | 96.4   | 82.4   | 75.4   | 137.6  | 152.5  | 75.4   |
| 87.5° | 50.0   | 51.7   | 52.6   | 54.4   | 40.3   | 28.9   | 28.9   | 38.6   | 38.6   | 29.8   |
| 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°    |
|--------|
| 1839.3 |
| 1850.7 |
| 1895.4 |
| 1971.7 |
| 2061.1 |
| 2149.7 |
| 2243.5 |
| 2314.5 |
| 2372.4 |
| 2426.7 |
| 2488.1 |
| 2552.1 |
| 2623.1 |
| 2729.2 |
| 2855.4 |
| 3004.5 |
| 3187.7 |
| 3382.3 |
| 3587.5 |
| 3815.4 |
| 4046.0 |
| 4270.4 |
| 4497.5 |
| 4722.8 |
| 4932.3 |
| 5092.8 |
| 5255.0 |
| 5446.1 |
| 5631.1 |
| 5863.4 |
| 5005.1 |
| 2975.5 |
| 521.6  |
| 151.7  |
| 66.6   |
| 21.9   |
| 0.0    |

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