

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: P940710

Luminaire Tested: **GLAN-SB3D-930-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940710  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3D-930-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21484 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

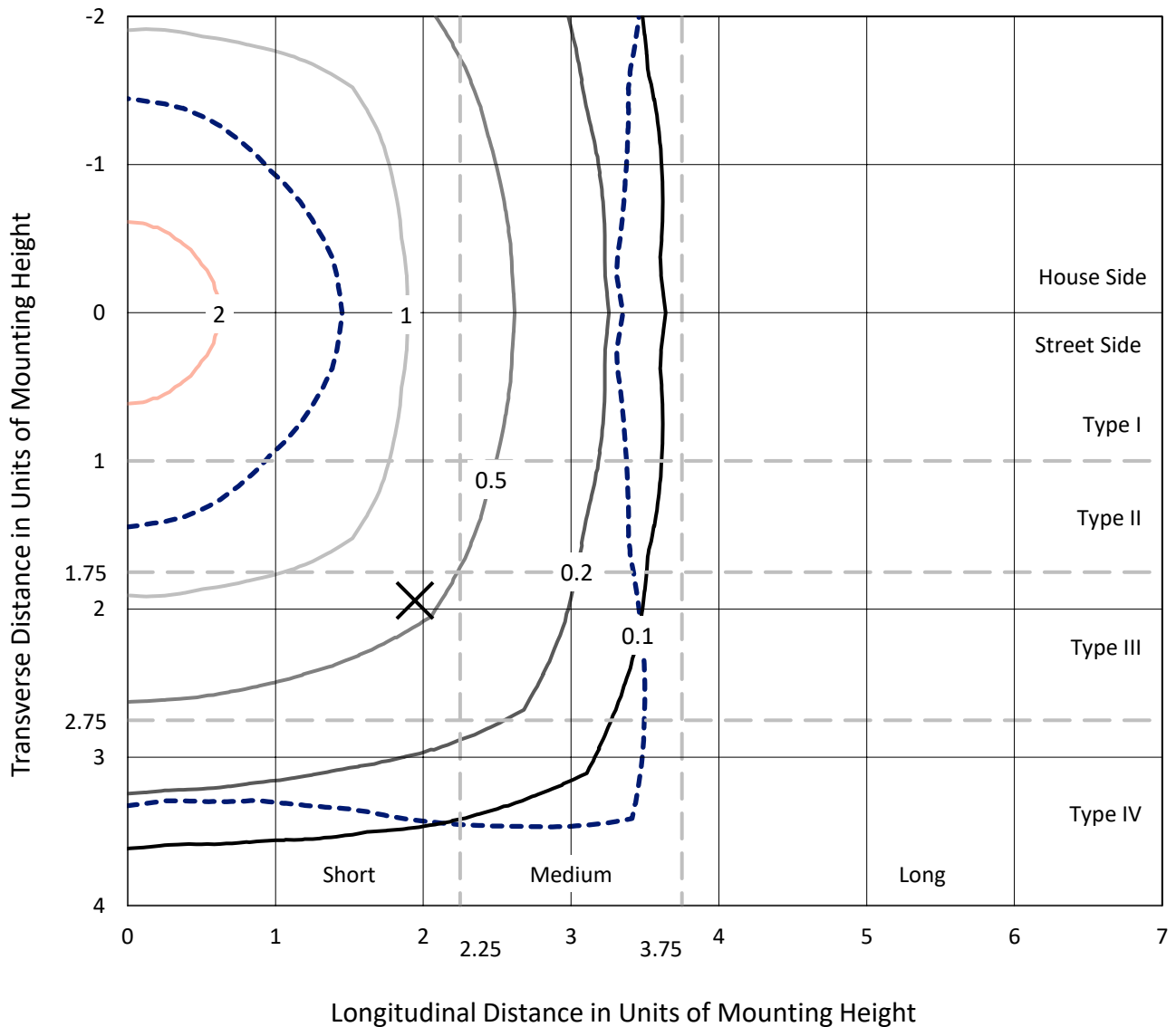
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

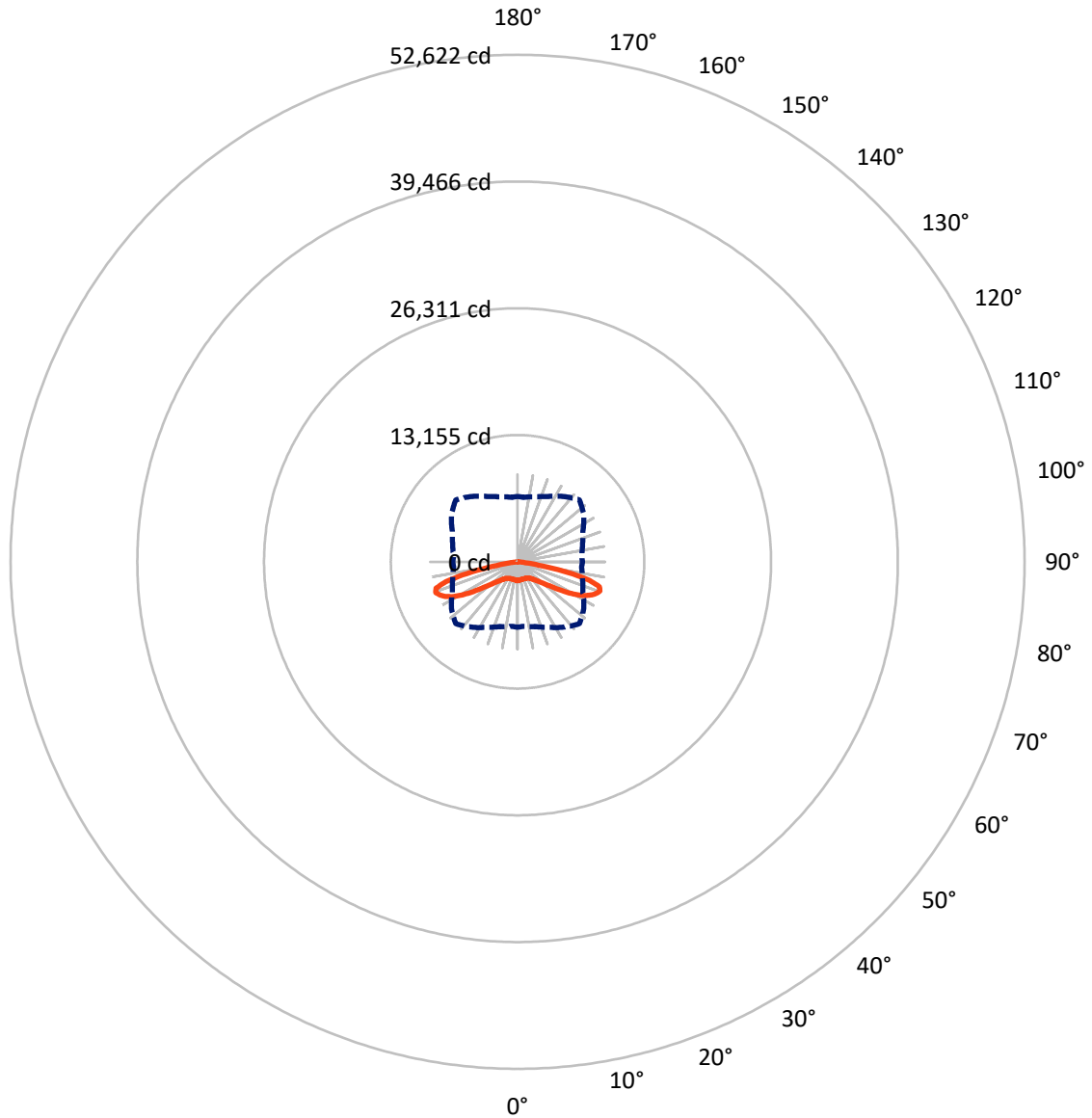
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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    | 10742.0  | 0.0    | 10742.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 10742.0  | 0.0    | 10742.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 21484.0  | 0.0    | 21484.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 182.3   | 0.8       |
| 10°-20°   | 535.3   | 2.5       |
| 20°-30°   | 890.8   | 4.1       |
| 30°-40°   | 1347.2  | 6.3       |
| 40°-50°   | 2238.7  | 10.4      |
| 50°-60°   | 4224.3  | 19.7      |
| 60°-70°   | 7132.9  | 33.2      |
| 70°-80°   | 4687.0  | 21.8      |
| 80°-90°   | 245.6   | 1.1       |
| 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°    | 21484.0 | 100.0     |
| 0°-180°   | 21484.0 | 100.0     |

**Coefficient of Utilization**



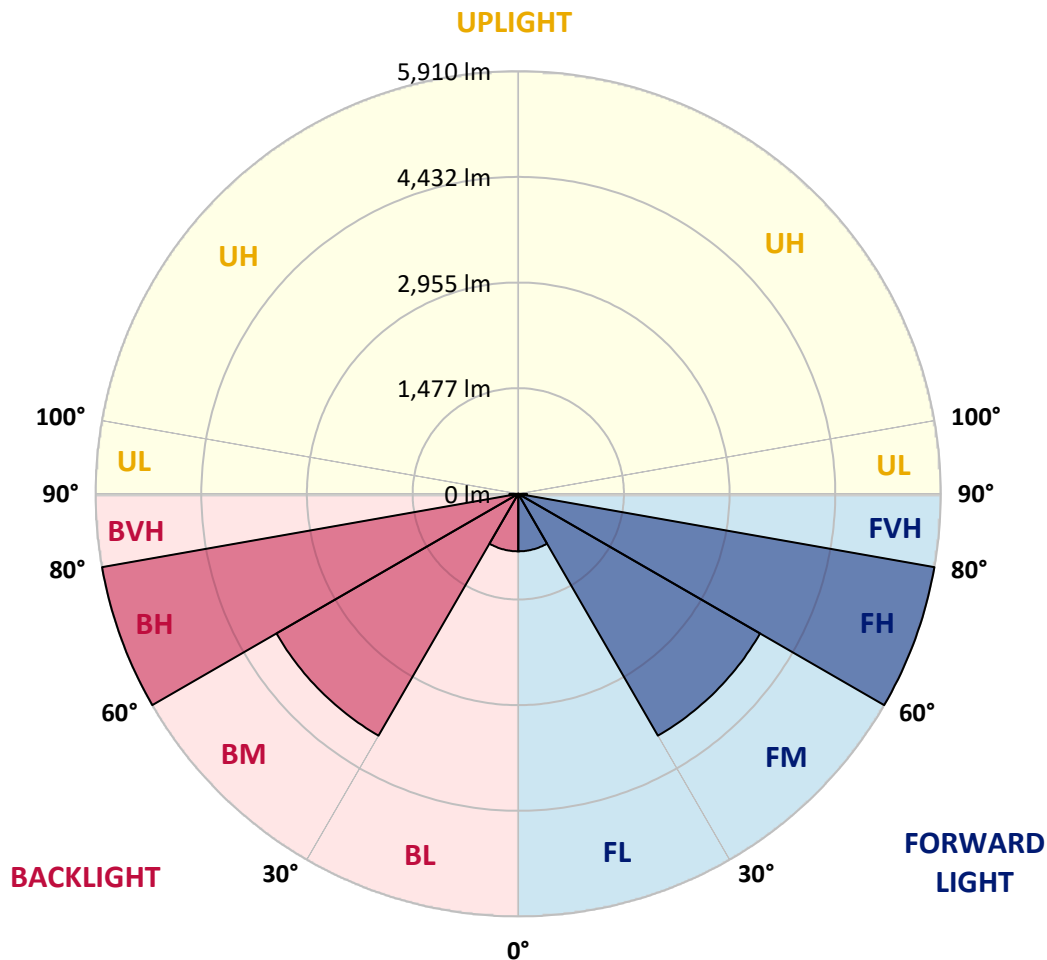
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 804.2  | 3.7       |                         |      |         |
| FM (30°-60°)   | 3905.1 | 18.2      |                         |      |         |
| FH (60°-80°)   | 5910.0 | 27.5      |                         |      | G3/7500 |
| FVH (80°-90°)  | 122.8  | 0.6       |                         |      | G2/225  |
| BL (0°-30°)    | 804.2  | 3.7       | B2/1000                 |      |         |
| BM (30°-60°)   | 3905.1 | 18.2      | B3/5000                 |      |         |
| BH (60°-80°)   | 5910.0 | 27.5      | B5                      |      | G3/7500 |
| BVH (80°-90°)  | 122.8  | 0.6       |                         |      | G2/225  |
| 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°    | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 | 1959.8 |
| 2.5°  | 1947.5 | 1953.1 | 1950.8 | 1946.4 | 1946.4 | 1943.0 | 1946.4 | 1948.6 | 1952.0 | 1954.2 |
| 5°    | 1921.8 | 1926.3 | 1925.2 | 1921.8 | 1922.9 | 1919.6 | 1921.8 | 1925.2 | 1927.4 | 1928.5 |
| 7.5°  | 1899.5 | 1903.9 | 1901.7 | 1896.1 | 1896.1 | 1892.8 | 1893.9 | 1897.2 | 1900.6 | 1901.7 |
| 10°   | 1893.9 | 1898.4 | 1891.7 | 1882.7 | 1879.4 | 1874.9 | 1876.0 | 1879.4 | 1886.1 | 1889.4 |
| 12.5° | 1896.1 | 1899.5 | 1892.8 | 1879.4 | 1876.0 | 1871.6 | 1871.6 | 1874.9 | 1883.8 | 1888.3 |
| 15°   | 1902.8 | 1906.2 | 1896.1 | 1881.6 | 1878.3 | 1874.9 | 1873.8 | 1878.3 | 1888.3 | 1896.1 |
| 17.5° | 1915.1 | 1918.5 | 1902.8 | 1882.7 | 1878.3 | 1879.4 | 1878.3 | 1881.6 | 1897.2 | 1911.8 |
| 20°   | 1926.3 | 1928.5 | 1907.3 | 1882.7 | 1878.3 | 1879.4 | 1878.3 | 1885.0 | 1905.1 | 1925.2 |
| 22.5° | 1929.6 | 1931.9 | 1911.8 | 1890.5 | 1887.2 | 1888.3 | 1887.2 | 1893.9 | 1912.9 | 1933.0 |
| 25°   | 1930.7 | 1934.1 | 1918.5 | 1901.7 | 1907.3 | 1909.5 | 1907.3 | 1908.4 | 1922.9 | 1940.8 |
| 27.5° | 1947.5 | 1952.0 | 1937.4 | 1922.9 | 1926.3 | 1925.2 | 1928.5 | 1931.9 | 1943.0 | 1960.9 |
| 30°   | 1982.1 | 1985.5 | 1973.2 | 1958.7 | 1956.4 | 1948.6 | 1958.7 | 1969.8 | 1982.1 | 1997.7 |
| 32.5° | 2039.1 | 2045.8 | 2030.1 | 2014.5 | 2004.4 | 2000.0 | 2007.8 | 2026.8 | 2043.5 | 2060.3 |
| 35°   | 2134.0 | 2138.4 | 2123.9 | 2094.9 | 2077.0 | 2077.0 | 2083.7 | 2108.3 | 2135.1 | 2156.3 |
| 37.5° | 2268.0 | 2273.6 | 2247.9 | 2213.3 | 2186.5 | 2186.5 | 2195.4 | 2221.1 | 2261.3 | 2291.4 |
| 40°   | 2431.0 | 2438.8 | 2406.4 | 2370.7 | 2345.0 | 2340.6 | 2351.7 | 2380.8 | 2418.7 | 2456.7 |
| 42.5° | 2627.5 | 2636.5 | 2594.0 | 2562.8 | 2542.7 | 2542.7 | 2548.3 | 2575.1 | 2609.7 | 2656.6 |
| 45°   | 2878.8 | 2894.4 | 2836.4 | 2805.1 | 2786.1 | 2790.6 | 2793.9 | 2817.4 | 2848.7 | 2902.3 |
| 47.5° | 3178.1 | 3193.7 | 3132.3 | 3099.9 | 3096.6 | 3117.8 | 3104.4 | 3121.1 | 3137.9 | 3199.3 |
| 50°   | 3517.5 | 3544.3 | 3501.9 | 3499.7 | 3506.4 | 3545.5 | 3514.2 | 3523.1 | 3504.1 | 3543.2 |
| 52.5° | 3932.9 | 3972.0 | 3964.2 | 3977.6 | 4052.4 | 4132.8 | 4061.4 | 4030.1 | 3958.6 | 3970.9 |
| 55°   | 4436.6 | 4495.8 | 4506.9 | 4587.3 | 4757.1 | 4921.2 | 4769.3 | 4643.2 | 4491.3 | 4463.4 |
| 57.5° | 5009.4 | 5056.3 | 5109.9 | 5274.1 | 5591.2 | 5882.7 | 5591.2 | 5312.0 | 5073.1 | 5016.1 |
| 60°   | 5625.8 | 5683.9 | 5735.3 | 5977.6 | 6448.8 | 6858.6 | 6439.9 | 5996.6 | 5680.6 | 5603.5 |
| 62.5° | 6288.0 | 6362.8 | 6398.6 | 6667.7 | 7217.1 | 7706.2 | 7224.9 | 6687.8 | 6337.2 | 6254.5 |
| 65°   | 6923.4 | 6984.8 | 7025.0 | 7312.0 | 7836.9 | 8327.1 | 7872.6 | 7343.3 | 6982.6 | 6874.3 |
| 67.5° | 7219.3 | 7252.8 | 7351.1 | 7676.1 | 8229.9 | 8789.4 | 8323.7 | 7710.7 | 7307.6 | 7117.7 |
| 70°   | 6786.1 | 6717.9 | 6954.7 | 7475.1 | 8276.8 | 9073.0 | 8384.0 | 7459.4 | 6965.8 | 6657.6 |
| 72.5° | 5243.9 | 5126.7 | 5537.6 | 6427.6 | 7740.8 | 8892.1 | 7794.4 | 6477.9 | 5793.3 | 5168.0 |
| 75°   | 2853.1 | 2720.2 | 3287.5 | 4413.1 | 6173.0 | 7707.3 | 6314.8 | 4539.3 | 3660.5 | 2831.9 |
| 77.5° | 805.1  | 754.9  | 1212.7 | 2135.1 | 3713.0 | 5411.4 | 3855.9 | 2182.0 | 1438.3 | 853.1  |
| 80°   | 246.8  | 239.0  | 323.8  | 643.2  | 1576.8 | 2591.8 | 1515.3 | 651.0  | 412.1  | 260.2  |
| 82.5° | 146.3  | 134.0  | 160.8  | 234.5  | 402.0  | 814.1  | 390.8  | 244.6  | 196.5  | 131.8  |
| 85°   | 83.8   | 78.2   | 94.9   | 113.9  | 135.1  | 173.1  | 112.8  | 116.1  | 105.0  | 70.4   |
| 87.5° | 34.6   | 31.3   | 36.9   | 35.7   | 31.3   | 40.2   | 30.2   | 35.7   | 42.4   | 27.9   |
| 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°    |
|--------|
| 1959.8 |
| 1953.1 |
| 1928.5 |
| 1901.7 |
| 1889.4 |
| 1889.4 |
| 1897.2 |
| 1911.8 |
| 1926.3 |
| 1933.0 |
| 1939.7 |
| 1956.4 |
| 1994.4 |
| 2053.6 |
| 2148.5 |
| 2280.3 |
| 2444.4 |
| 2653.2 |
| 2900.0 |
| 3181.4 |
| 3519.8 |
| 3929.6 |
| 4419.8 |
| 4975.9 |
| 5536.5 |
| 6187.5 |
| 6820.7 |
| 7120.0 |
| 6731.3 |
| 5323.2 |
| 3016.2 |
| 948.1  |
| 274.7  |
| 142.9  |
| 73.7   |
| 25.7   |
| 0.0    |

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