

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: P941220

Luminaire Tested: **GLAN-SB4C-930-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941220
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-SB4C-930-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21120 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

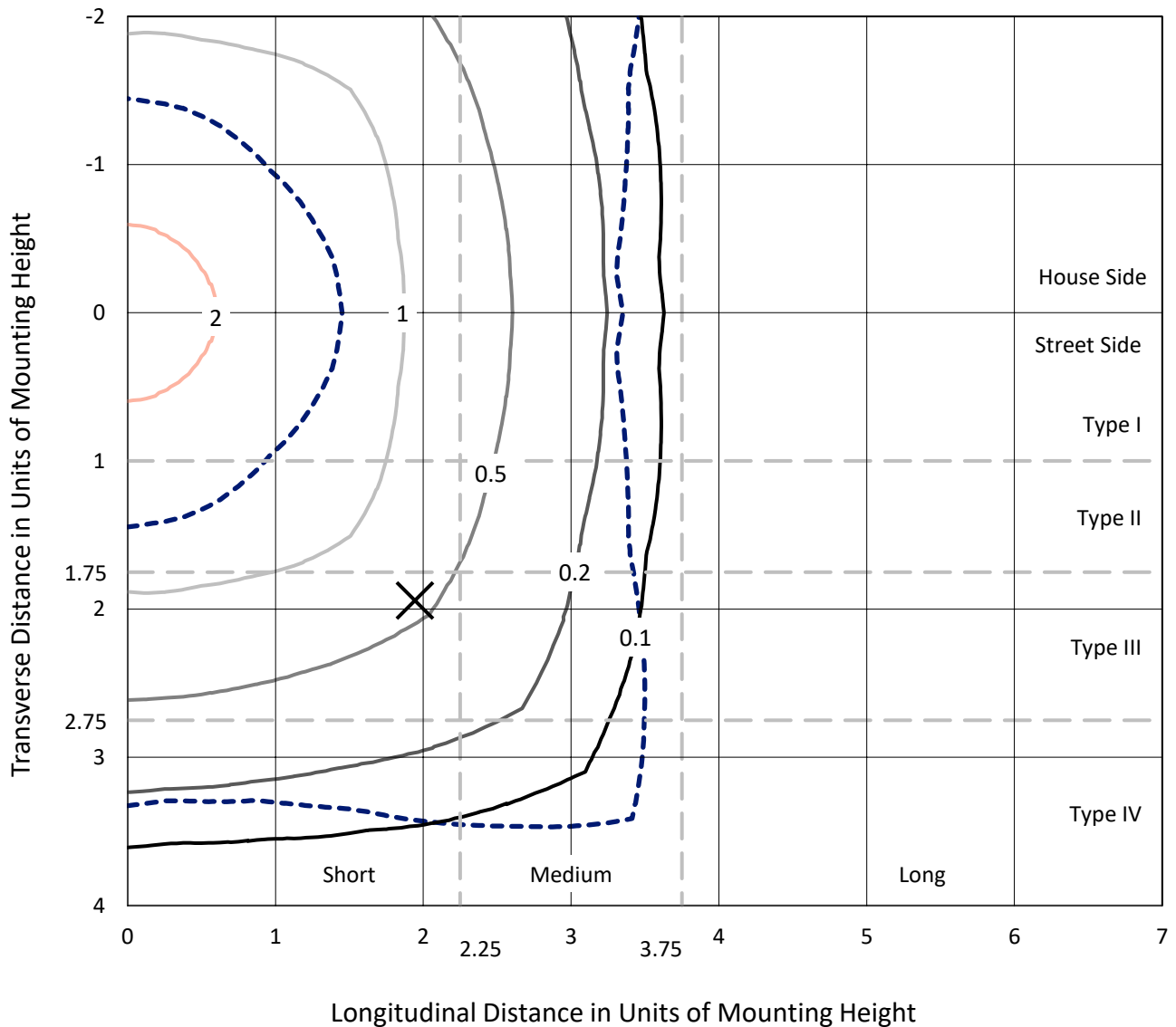
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

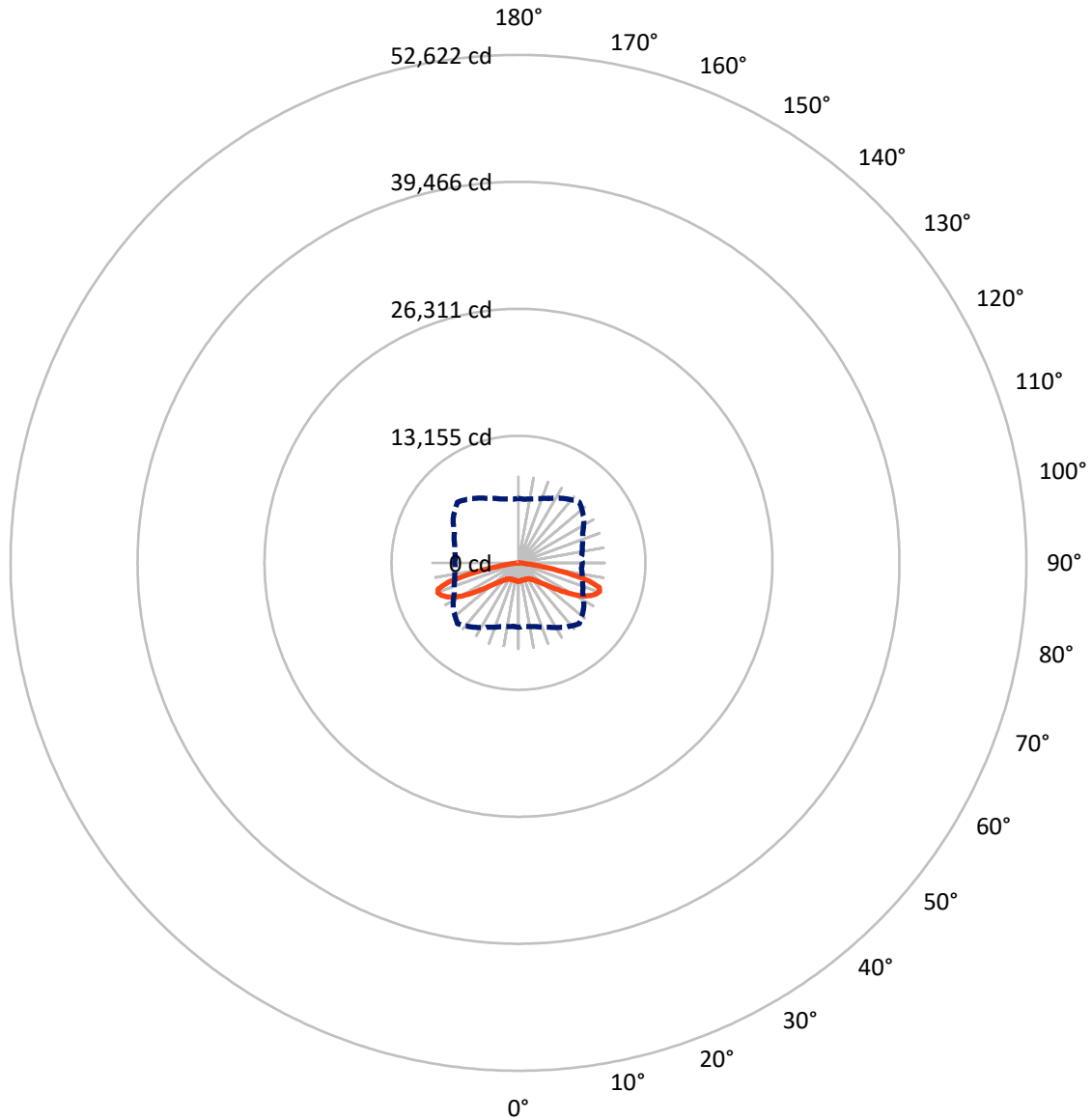
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 10560.0 | 0.0 | 10560.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10560.0 | 0.0 | 10560.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 21120.0 | 0.0 | 21120.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 179.2 | 0.8 |
| 10°-20° | 526.2 | 2.5 |
| 20°-30° | 875.7 | 4.1 |
| 30°-40° | 1324.3 | 6.3 |
| 40°-50° | 2200.7 | 10.4 |
| 50°-60° | 4152.7 | 19.7 |
| 60°-70° | 7012.0 | 33.2 |
| 70°-80° | 4607.6 | 21.8 |
| 80°-90° | 241.4 | 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° | 21120.0 | 100.0 |
| 0°-180° | 21120.0 | 100.0 |

Coefficient of Utilization



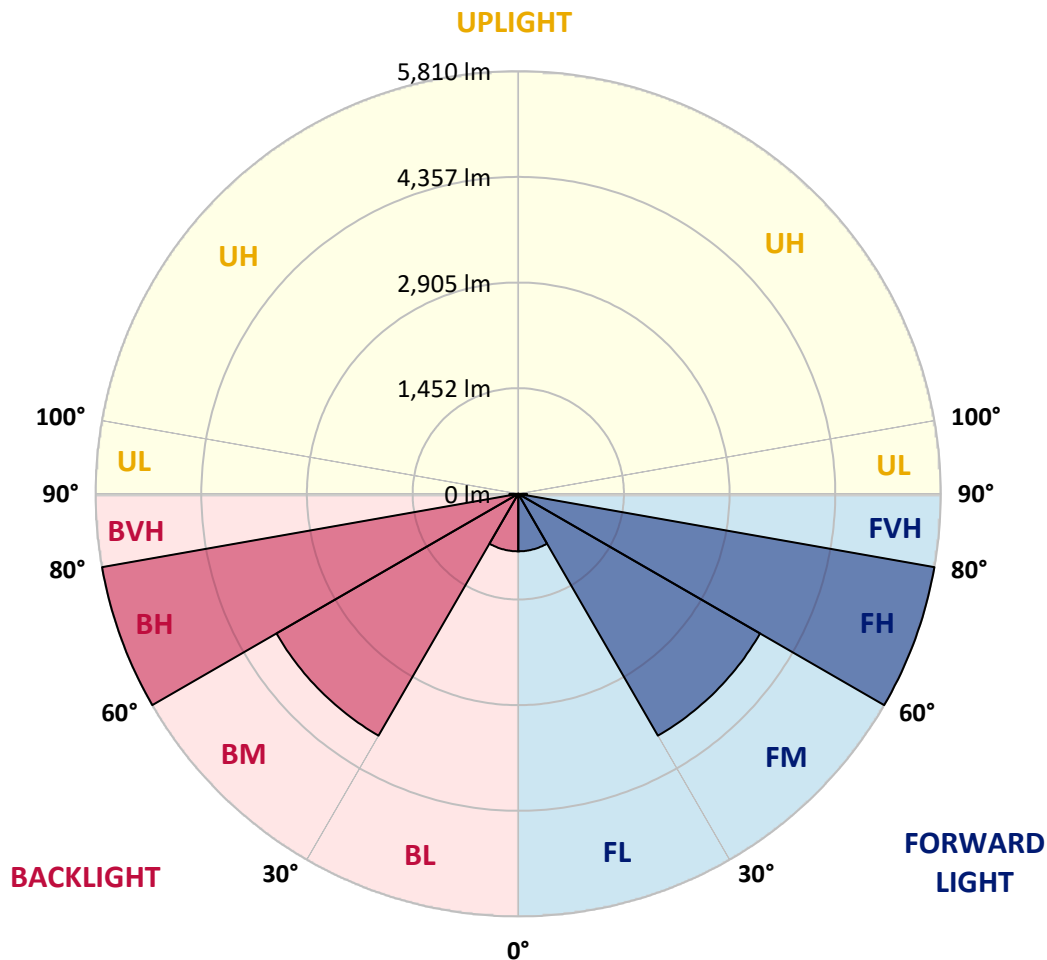
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 790.6 | 3.7 | | | |
| FM (30°-60°) | 3838.9 | 18.2 | | | |
| FH (60°-80°) | 5809.8 | 27.5 | | | G3/7500 |
| FVH (80°-90°) | 120.7 | 0.6 | | | G2/225 |
| BL (0°-30°) | 790.6 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 3838.9 | 18.2 | B3/5000 | | |
| BH (60°-80°) | 5809.8 | 27.5 | B5 | | G3/7500 |
| BVH (80°-90°) | 120.7 | 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° | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 | 1926.6 |
| 2.5° | 1914.5 | 1920.0 | 1917.8 | 1913.4 | 1913.4 | 1910.1 | 1913.4 | 1915.6 | 1918.9 | 1921.1 |
| 5° | 1889.2 | 1893.6 | 1892.5 | 1889.2 | 1890.3 | 1887.0 | 1889.2 | 1892.5 | 1894.7 | 1895.8 |
| 7.5° | 1867.3 | 1871.7 | 1869.5 | 1864.0 | 1864.0 | 1860.7 | 1861.8 | 1865.1 | 1868.4 | 1869.5 |
| 10° | 1861.8 | 1866.2 | 1859.6 | 1850.8 | 1847.5 | 1843.1 | 1844.2 | 1847.5 | 1854.1 | 1857.4 |
| 12.5° | 1864.0 | 1867.3 | 1860.7 | 1847.5 | 1844.2 | 1839.8 | 1839.8 | 1843.1 | 1851.9 | 1856.3 |
| 15° | 1870.6 | 1873.9 | 1864.0 | 1849.7 | 1846.4 | 1843.1 | 1842.0 | 1846.4 | 1856.3 | 1864.0 |
| 17.5° | 1882.7 | 1886.0 | 1870.6 | 1850.8 | 1846.4 | 1847.5 | 1846.4 | 1849.7 | 1865.1 | 1879.4 |
| 20° | 1893.6 | 1895.8 | 1875.0 | 1850.8 | 1846.4 | 1847.5 | 1846.4 | 1853.0 | 1872.8 | 1892.5 |
| 22.5° | 1896.9 | 1899.1 | 1879.4 | 1858.5 | 1855.2 | 1856.3 | 1855.2 | 1861.8 | 1880.5 | 1900.2 |
| 25° | 1898.0 | 1901.3 | 1886.0 | 1869.5 | 1875.0 | 1877.2 | 1875.0 | 1876.1 | 1890.3 | 1907.9 |
| 27.5° | 1914.5 | 1918.9 | 1904.6 | 1890.3 | 1893.6 | 1892.5 | 1895.8 | 1899.1 | 1910.1 | 1927.7 |
| 30° | 1948.5 | 1951.8 | 1939.7 | 1925.5 | 1923.3 | 1915.6 | 1925.5 | 1936.4 | 1948.5 | 1963.9 |
| 32.5° | 2004.5 | 2011.1 | 1995.7 | 1980.4 | 1970.5 | 1966.1 | 1973.8 | 1992.4 | 2008.9 | 2025.4 |
| 35° | 2097.8 | 2102.2 | 2087.9 | 2059.4 | 2041.8 | 2041.8 | 2048.4 | 2072.6 | 2098.9 | 2119.8 |
| 37.5° | 2229.6 | 2235.0 | 2209.8 | 2175.8 | 2149.4 | 2149.4 | 2158.2 | 2183.4 | 2223.0 | 2252.6 |
| 40° | 2389.8 | 2397.5 | 2365.7 | 2330.5 | 2305.3 | 2300.9 | 2311.9 | 2340.4 | 2377.7 | 2415.1 |
| 42.5° | 2583.0 | 2591.8 | 2550.1 | 2519.4 | 2499.6 | 2499.6 | 2505.1 | 2531.4 | 2565.5 | 2611.6 |
| 45° | 2830.0 | 2845.4 | 2788.3 | 2757.6 | 2738.9 | 2743.3 | 2746.6 | 2769.6 | 2800.4 | 2853.1 |
| 47.5° | 3124.2 | 3139.6 | 3079.2 | 3047.4 | 3044.1 | 3064.9 | 3051.8 | 3068.2 | 3084.7 | 3145.1 |
| 50° | 3457.9 | 3484.3 | 3442.6 | 3440.4 | 3447.0 | 3485.4 | 3454.7 | 3463.4 | 3444.8 | 3483.2 |
| 52.5° | 3866.3 | 3904.7 | 3897.0 | 3910.2 | 3983.8 | 4062.8 | 3992.6 | 3961.8 | 3891.6 | 3903.6 |
| 55° | 4361.4 | 4419.6 | 4430.6 | 4509.6 | 4676.5 | 4837.8 | 4688.5 | 4564.5 | 4415.2 | 4387.7 |
| 57.5° | 4924.6 | 4970.7 | 5023.4 | 5184.7 | 5496.5 | 5783.0 | 5496.5 | 5222.0 | 4987.1 | 4931.1 |
| 60° | 5530.5 | 5587.6 | 5638.1 | 5876.3 | 6339.6 | 6742.4 | 6330.8 | 5895.0 | 5584.3 | 5508.6 |
| 62.5° | 6181.5 | 6255.0 | 6290.2 | 6554.7 | 7094.8 | 7575.6 | 7102.5 | 6574.5 | 6229.8 | 6148.6 |
| 65° | 6806.1 | 6866.5 | 6906.0 | 7188.1 | 7704.1 | 8186.0 | 7739.2 | 7218.9 | 6864.3 | 6757.8 |
| 67.5° | 7097.0 | 7130.0 | 7226.6 | 7546.0 | 8090.5 | 8640.5 | 8182.7 | 7580.0 | 7183.7 | 6997.1 |
| 70° | 6671.1 | 6604.1 | 6836.9 | 7348.4 | 8136.6 | 8919.3 | 8242.0 | 7333.0 | 6847.8 | 6544.8 |
| 72.5° | 5155.1 | 5039.8 | 5443.8 | 6318.7 | 7609.7 | 8741.5 | 7662.4 | 6368.1 | 5695.2 | 5080.4 |
| 75° | 2804.8 | 2674.1 | 3231.8 | 4338.3 | 6068.4 | 7576.7 | 6207.8 | 4462.4 | 3598.5 | 2783.9 |
| 77.5° | 791.5 | 742.1 | 1192.2 | 2098.9 | 3650.1 | 5319.7 | 3790.6 | 2145.0 | 1413.9 | 838.7 |
| 80° | 242.6 | 234.9 | 318.4 | 632.3 | 1550.0 | 2547.9 | 1489.7 | 640.0 | 405.1 | 255.8 |
| 82.5° | 143.8 | 131.7 | 158.1 | 230.5 | 395.2 | 800.3 | 384.2 | 240.4 | 193.2 | 129.5 |
| 85° | 82.3 | 76.8 | 93.3 | 112.0 | 132.8 | 170.2 | 110.9 | 114.2 | 103.2 | 69.2 |
| 87.5° | 34.0 | 30.7 | 36.2 | 35.1 | 30.7 | 39.5 | 29.6 | 35.1 | 41.7 | 27.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1926.6 |
| 1920.0 |
| 1895.8 |
| 1869.5 |
| 1857.4 |
| 1857.4 |
| 1865.1 |
| 1879.4 |
| 1893.6 |
| 1900.2 |
| 1906.8 |
| 1923.3 |
| 1960.6 |
| 2018.8 |
| 2112.1 |
| 2241.6 |
| 2403.0 |
| 2608.3 |
| 2850.9 |
| 3127.5 |
| 3460.1 |
| 3863.0 |
| 4344.9 |
| 4891.6 |
| 5442.7 |
| 6082.7 |
| 6705.1 |
| 6999.3 |
| 6617.3 |
| 5233.0 |
| 2965.1 |
| 932.0 |
| 270.0 |
| 140.5 |
| 72.5 |
| 25.2 |
| 0.0 |

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