

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: P847471

Luminaire Tested: **GLAN-SB3C-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 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: 19516 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

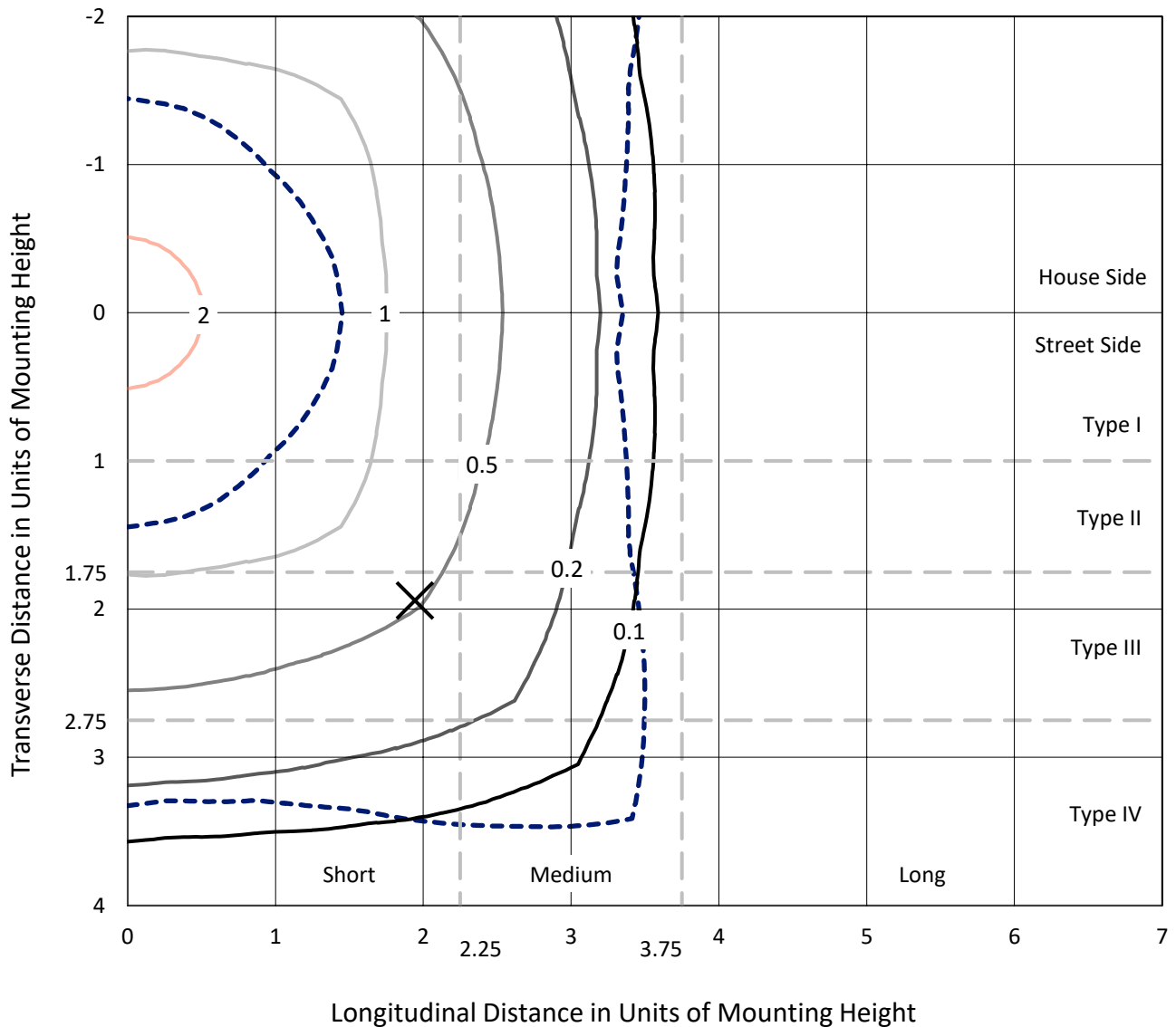
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

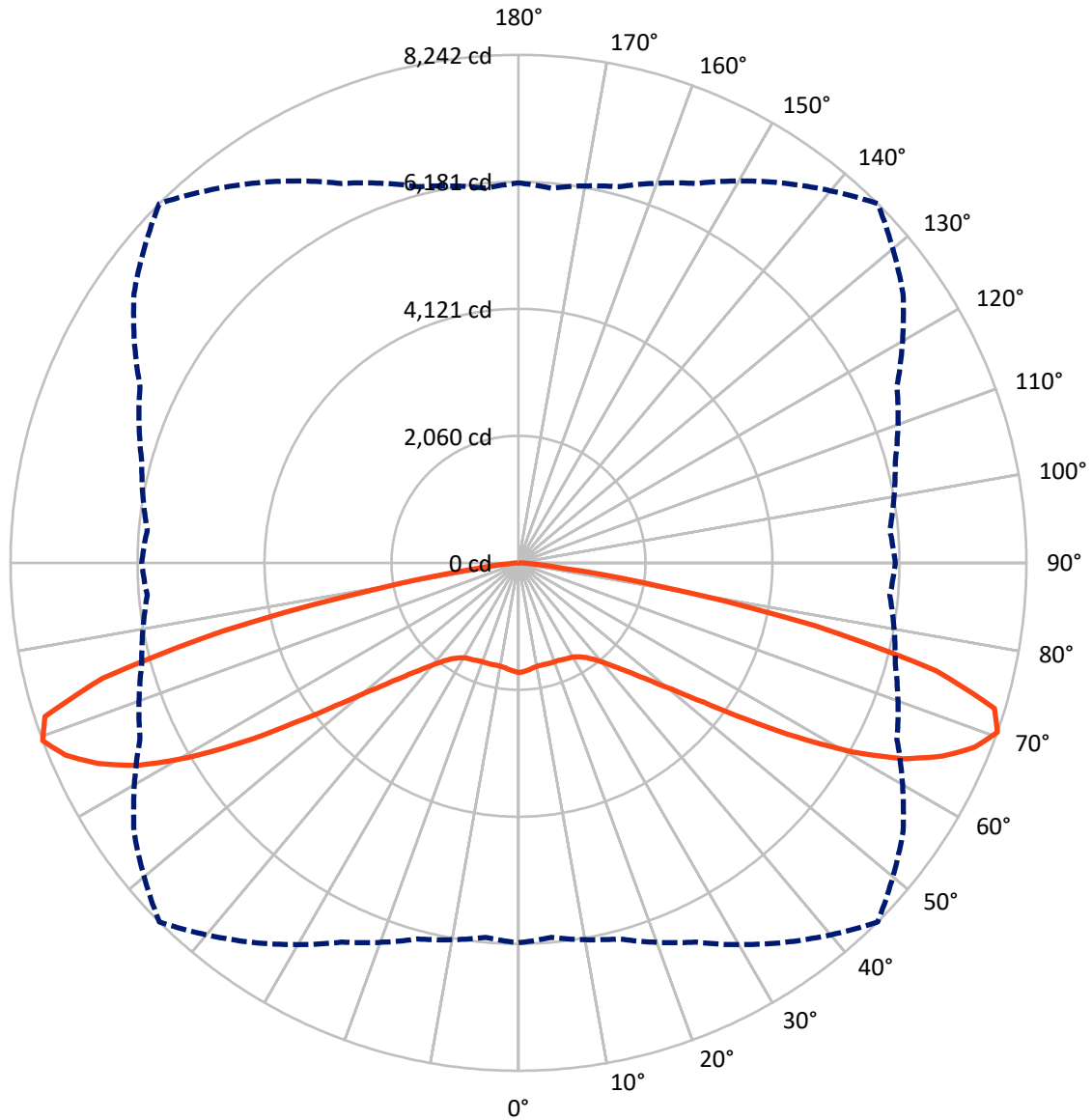
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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 | 9758.0 | 0.0 | 9758.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 9758.0 | 0.0 | 9758.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 19516.0 | 0.0 | 19516.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 165.6 | 0.8 |
| 10°-20° | 486.3 | 2.5 |
| 20°-30° | 809.2 | 4.1 |
| 30°-40° | 1223.8 | 6.3 |
| 40°-50° | 2033.6 | 10.4 |
| 50°-60° | 3837.3 | 19.7 |
| 60°-70° | 6479.5 | 33.2 |
| 70°-80° | 4257.7 | 21.8 |
| 80°-90° | 223.1 | 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° | 19516.0 | 100.0 |
| 0°-180° | 19516.0 | 100.0 |

Coefficient of Utilization



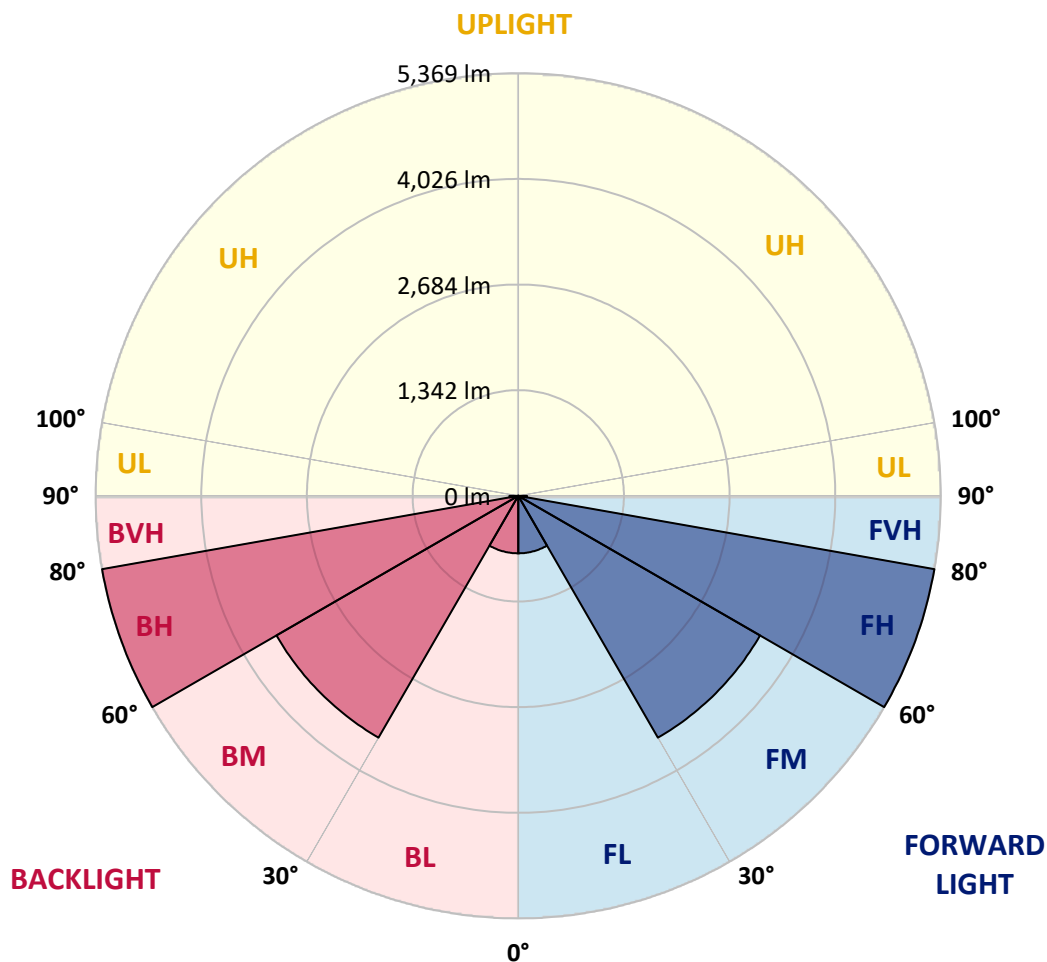
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 730.5 | 3.7 | | | |
| FM (30°-60°) | 3547.3 | 18.2 | | | |
| FH (60°-80°) | 5368.6 | 27.5 | | | G3/7500 |
| FVH (80°-90°) | 111.5 | 0.6 | | | G2/225 |
| BL (0°-30°) | 730.5 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 3547.3 | 18.2 | B3/5000 | | |
| BH (60°-80°) | 5368.6 | 27.5 | B5 | | G3/7500 |
| BVH (80°-90°) | 111.5 | 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° | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 | 1780.3 |
| 2.5° | 1769.1 | 1774.2 | 1772.1 | 1768.1 | 1768.1 | 1765.0 | 1768.1 | 1770.1 | 1773.2 | 1775.2 |
| 5° | 1745.8 | 1749.8 | 1748.8 | 1745.8 | 1746.8 | 1743.7 | 1745.8 | 1748.8 | 1750.8 | 1751.8 |
| 7.5° | 1725.5 | 1729.5 | 1727.5 | 1722.4 | 1722.4 | 1719.4 | 1720.4 | 1723.4 | 1726.5 | 1727.5 |
| 10° | 1720.4 | 1724.5 | 1718.4 | 1710.3 | 1707.2 | 1703.2 | 1704.2 | 1707.2 | 1713.3 | 1716.3 |
| 12.5° | 1722.4 | 1725.5 | 1719.4 | 1707.2 | 1704.2 | 1700.1 | 1700.1 | 1703.2 | 1711.3 | 1715.3 |
| 15° | 1728.5 | 1731.6 | 1722.4 | 1709.2 | 1706.2 | 1703.2 | 1702.1 | 1706.2 | 1715.3 | 1722.4 |
| 17.5° | 1739.7 | 1742.7 | 1728.5 | 1710.3 | 1706.2 | 1707.2 | 1706.2 | 1709.2 | 1723.4 | 1736.6 |
| 20° | 1749.8 | 1751.8 | 1732.6 | 1710.3 | 1706.2 | 1707.2 | 1706.2 | 1712.3 | 1730.5 | 1748.8 |
| 22.5° | 1752.9 | 1754.9 | 1736.6 | 1717.4 | 1714.3 | 1715.3 | 1714.3 | 1720.4 | 1737.6 | 1755.9 |
| 25° | 1753.9 | 1756.9 | 1742.7 | 1727.5 | 1732.6 | 1734.6 | 1732.6 | 1733.6 | 1746.8 | 1763.0 |
| 27.5° | 1769.1 | 1773.2 | 1760.0 | 1746.8 | 1749.8 | 1748.8 | 1751.8 | 1754.9 | 1765.0 | 1781.3 |
| 30° | 1800.5 | 1803.6 | 1792.4 | 1779.2 | 1777.2 | 1770.1 | 1779.2 | 1789.4 | 1800.5 | 1814.7 |
| 32.5° | 1852.3 | 1858.4 | 1844.2 | 1830.0 | 1820.8 | 1816.8 | 1823.9 | 1841.1 | 1856.3 | 1871.5 |
| 35° | 1938.5 | 1942.6 | 1929.4 | 1903.0 | 1886.8 | 1886.8 | 1892.8 | 1915.2 | 1939.5 | 1958.8 |
| 37.5° | 2060.2 | 2065.3 | 2042.0 | 2010.5 | 1986.2 | 1986.2 | 1994.3 | 2017.6 | 2054.1 | 2081.5 |
| 40° | 2208.3 | 2215.4 | 2186.0 | 2153.5 | 2130.2 | 2126.2 | 2136.3 | 2162.7 | 2197.2 | 2231.7 |
| 42.5° | 2386.9 | 2395.0 | 2356.4 | 2328.0 | 2309.8 | 2309.8 | 2314.8 | 2339.2 | 2370.6 | 2413.2 |
| 45° | 2615.1 | 2629.3 | 2576.5 | 2548.1 | 2530.9 | 2535.0 | 2538.0 | 2559.3 | 2587.7 | 2636.4 |
| 47.5° | 2887.0 | 2901.2 | 2845.4 | 2815.9 | 2812.9 | 2832.2 | 2820.0 | 2835.2 | 2850.4 | 2906.2 |
| 50° | 3195.3 | 3219.7 | 3181.1 | 3179.1 | 3185.2 | 3220.7 | 3192.3 | 3200.4 | 3183.2 | 3218.7 |
| 52.5° | 3572.7 | 3608.2 | 3601.1 | 3613.3 | 3681.2 | 3754.3 | 3689.3 | 3660.9 | 3596.0 | 3607.2 |
| 55° | 4030.2 | 4083.9 | 4094.1 | 4167.1 | 4321.3 | 4470.4 | 4332.5 | 4217.8 | 4079.9 | 4054.5 |
| 57.5° | 4550.5 | 4593.2 | 4641.8 | 4791.0 | 5079.0 | 5343.8 | 5079.0 | 4825.4 | 4608.4 | 4556.6 |
| 60° | 5110.5 | 5163.2 | 5209.9 | 5430.0 | 5858.1 | 6230.4 | 5850.0 | 5447.3 | 5160.2 | 5090.2 |
| 62.5° | 5712.0 | 5780.0 | 5812.4 | 6056.9 | 6556.0 | 7000.3 | 6563.1 | 6075.2 | 5756.7 | 5681.6 |
| 65° | 6289.2 | 6345.0 | 6381.5 | 6642.2 | 7119.0 | 7564.3 | 7151.4 | 6670.6 | 6343.0 | 6244.6 |
| 67.5° | 6558.0 | 6588.5 | 6677.7 | 6972.9 | 7476.0 | 7984.3 | 7561.3 | 7004.4 | 6638.2 | 6465.7 |
| 70° | 6164.4 | 6102.6 | 6317.6 | 6790.3 | 7518.6 | 8241.9 | 7616.0 | 6776.1 | 6327.8 | 6047.8 |
| 72.5° | 4763.6 | 4657.1 | 5030.4 | 5838.8 | 7031.7 | 8077.6 | 7080.4 | 5884.5 | 5262.6 | 4694.6 |
| 75° | 2591.8 | 2471.1 | 2986.4 | 4008.9 | 5607.5 | 7001.3 | 5736.4 | 4123.5 | 3325.2 | 2572.5 |
| 77.5° | 731.4 | 685.7 | 1101.6 | 1939.5 | 3372.8 | 4915.7 | 3502.7 | 1982.1 | 1306.5 | 775.0 |
| 80° | 224.2 | 217.1 | 294.2 | 584.3 | 1432.3 | 2354.4 | 1376.5 | 591.4 | 374.3 | 236.4 |
| 82.5° | 132.9 | 121.7 | 146.1 | 213.0 | 365.2 | 739.5 | 355.0 | 222.2 | 178.5 | 119.7 |
| 85° | 76.1 | 71.0 | 86.2 | 103.5 | 122.7 | 157.2 | 102.5 | 105.5 | 95.4 | 63.9 |
| 87.5° | 31.4 | 28.4 | 33.5 | 32.5 | 28.4 | 36.5 | 27.4 | 32.5 | 38.5 | 25.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1780.3 |
| 1774.2 |
| 1751.8 |
| 1727.5 |
| 1716.3 |
| 1716.3 |
| 1723.4 |
| 1736.6 |
| 1749.8 |
| 1755.9 |
| 1762.0 |
| 1777.2 |
| 1811.7 |
| 1865.5 |
| 1951.7 |
| 2071.4 |
| 2220.5 |
| 2410.2 |
| 2634.4 |
| 2890.0 |
| 3197.4 |
| 3569.6 |
| 4015.0 |
| 4520.1 |
| 5029.3 |
| 5620.7 |
| 6195.9 |
| 6467.7 |
| 6114.7 |
| 4835.6 |
| 2739.9 |
| 861.2 |
| 249.5 |
| 129.8 |
| 66.9 |
| 23.3 |
| 0.0 |

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