

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: P946850

Luminaire Tested: **GLAN-SB2B-850-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946850
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-SB2B-850-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11092 lumens
Efficiency: N/A
Efficacy: 150.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

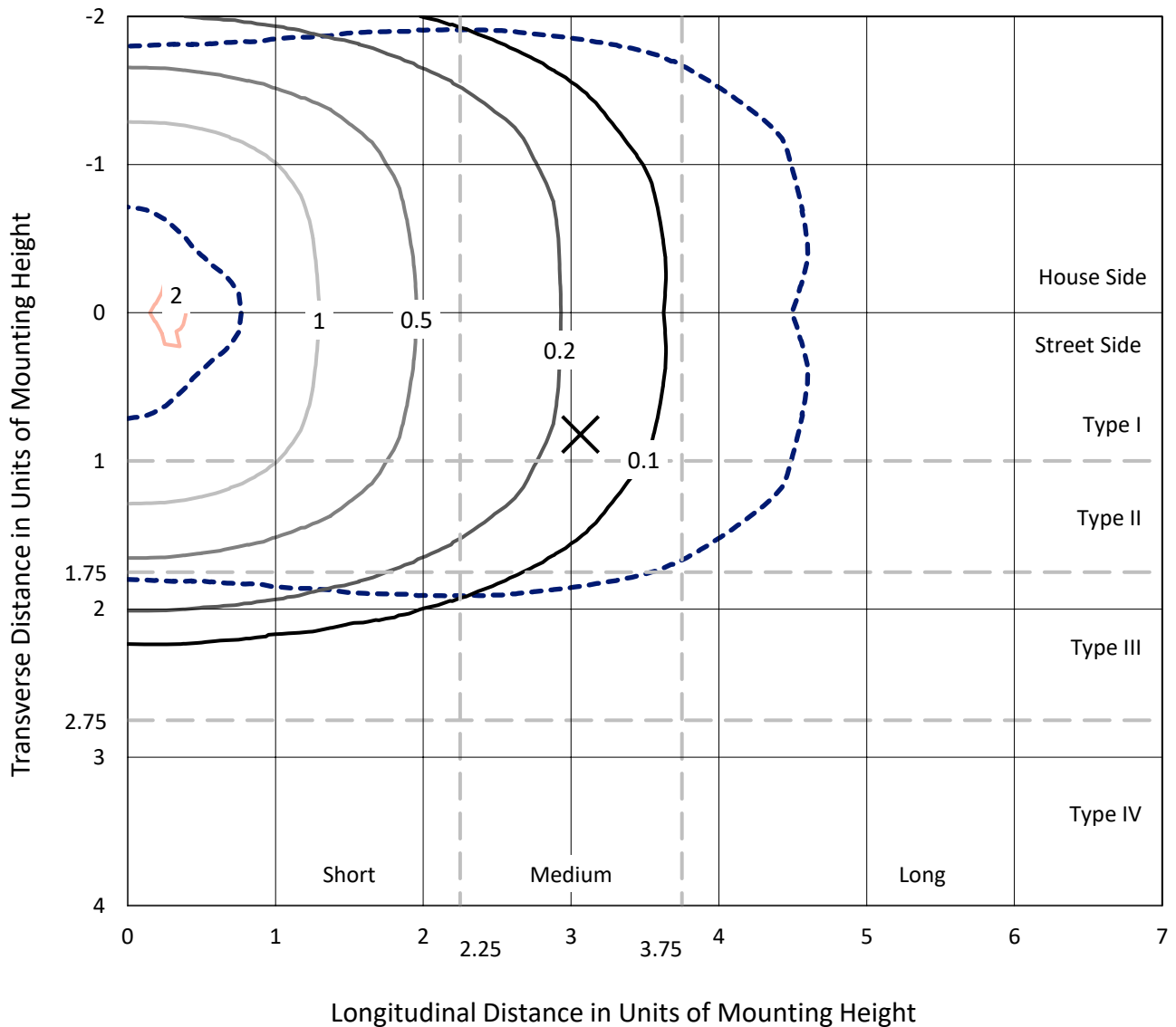
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

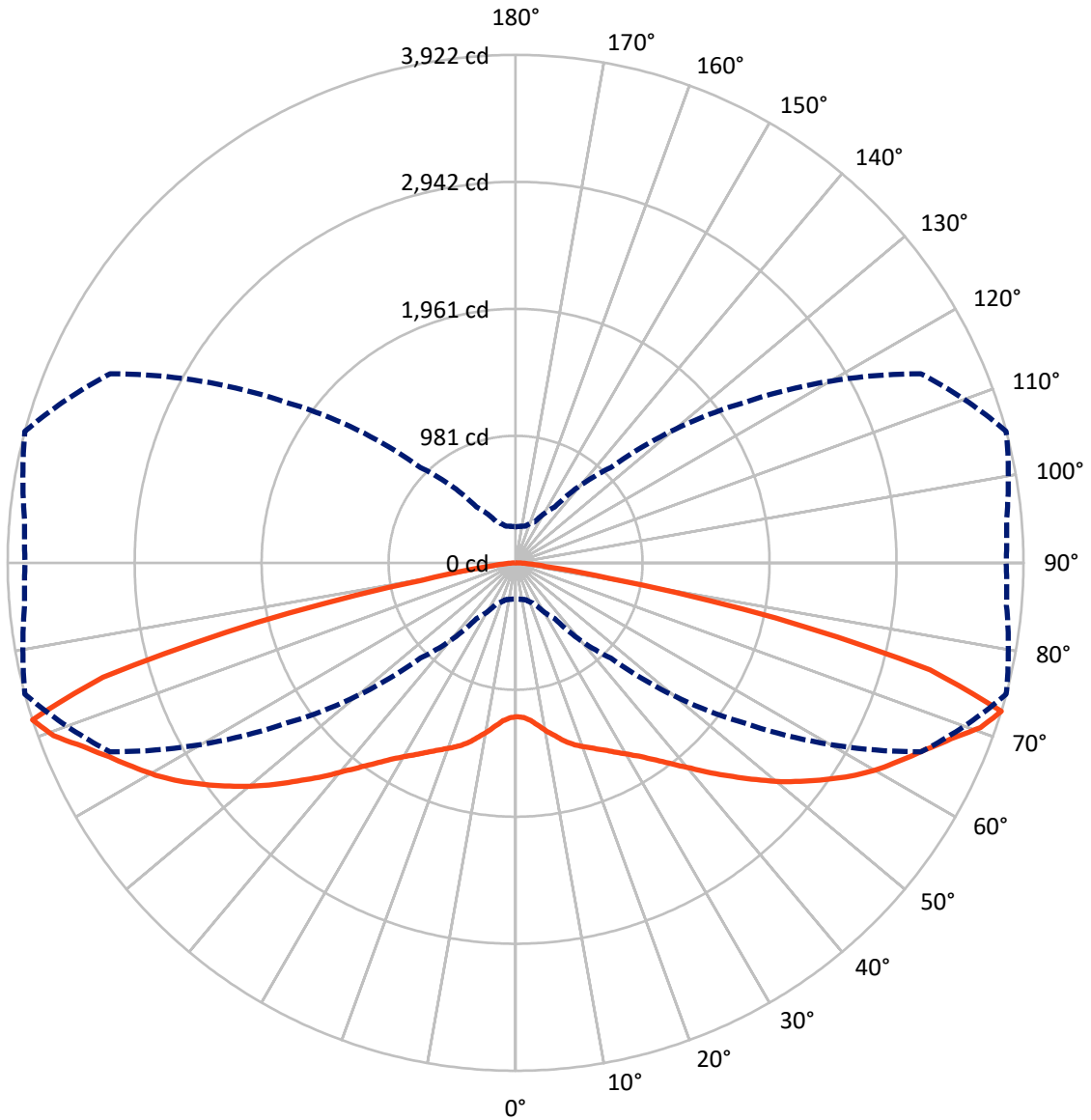
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5546.0 | 0.0 | 5546.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5546.0 | 0.0 | 5546.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11092.0 | 0.0 | 11092.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 116.4 | 1.0 |
| 10°-20° | 383.9 | 3.5 |
| 20°-30° | 741.8 | 6.7 |
| 30°-40° | 1252.5 | 11.3 |
| 40°-50° | 1986.3 | 17.9 |
| 50°-60° | 2659.5 | 24.0 |
| 60°-70° | 2531.0 | 22.8 |
| 70°-80° | 1320.7 | 11.9 |
| 80°-90° | 100.0 | 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° | 11092.0 | 100.0 |
| 0°-180° | 11092.0 | 100.0 |

Coefficient of Utilization

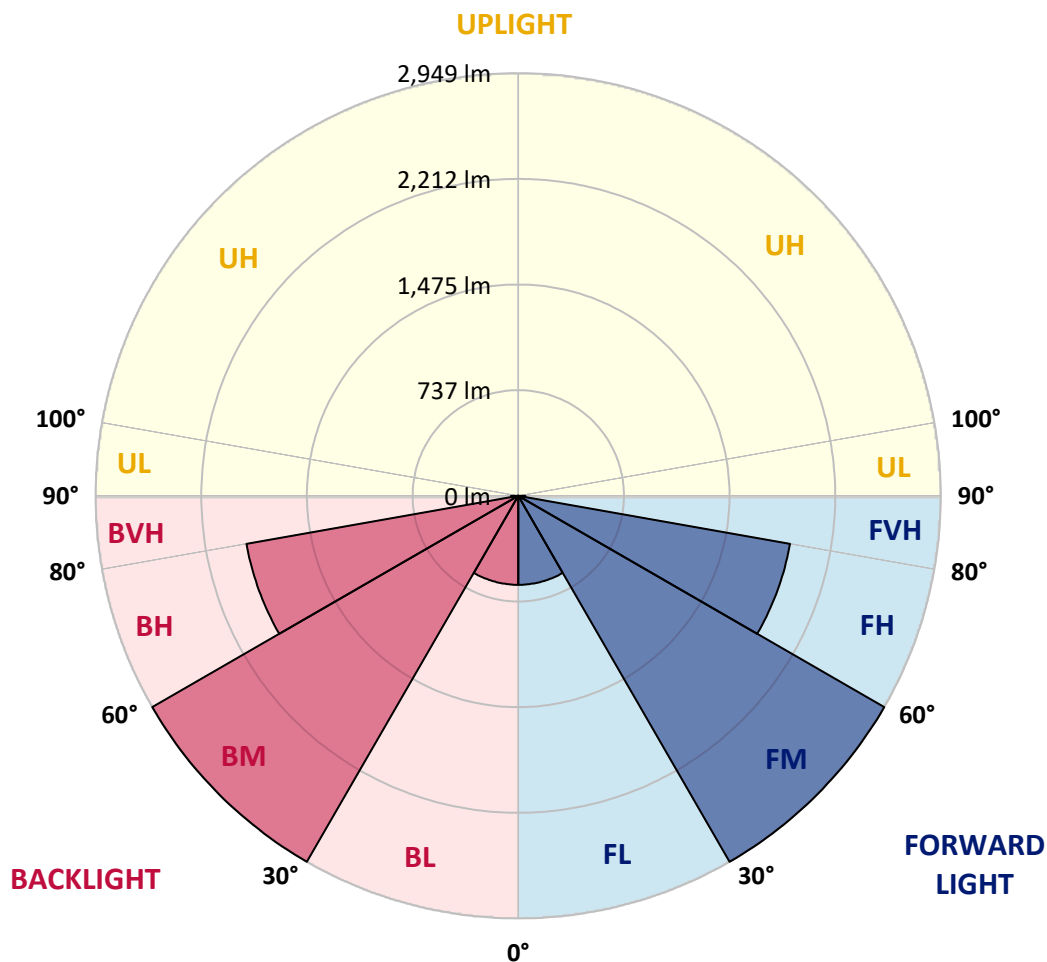


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 621.0 | 5.6 | | | |
| FM (30°-60°) | 2949.2 | 26.6 | | | |
| FH (60°-80°) | 1925.8 | 17.4 | | | G2/5000 |
| FVH (80°-90°) | 50.0 | 0.5 | | | G1/100 |
| BL (0°-30°) | 621.0 | 5.6 | B2/1000 | | |
| BM (30°-60°) | 2949.2 | 26.6 | B3/5000 | | |
| BH (60°-80°) | 1925.8 | 17.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 50.0 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 | 1188.2 |
| 2.5° | 1188.2 | 1187.0 | 1188.2 | 1189.3 | 1188.7 | 1188.7 | 1191.5 | 1193.2 | 1196.6 | 1196.1 |
| 5° | 1180.2 | 1179.7 | 1184.2 | 1189.3 | 1193.2 | 1200.0 | 1208.5 | 1214.8 | 1222.7 | 1224.4 |
| 7.5° | 1176.3 | 1174.6 | 1182.5 | 1191.5 | 1204.0 | 1221.0 | 1237.4 | 1254.4 | 1268.0 | 1272.5 |
| 10° | 1179.1 | 1179.7 | 1190.4 | 1207.4 | 1227.2 | 1251.0 | 1274.2 | 1303.1 | 1322.4 | 1326.9 |
| 12.5° | 1192.1 | 1191.0 | 1209.1 | 1236.3 | 1263.5 | 1293.5 | 1320.7 | 1352.4 | 1373.3 | 1384.1 |
| 15° | 1215.9 | 1213.6 | 1239.1 | 1279.3 | 1319.0 | 1354.1 | 1376.2 | 1406.2 | 1430.5 | 1444.1 |
| 17.5° | 1244.2 | 1245.4 | 1278.8 | 1330.9 | 1383.0 | 1422.6 | 1443.6 | 1458.9 | 1477.5 | 1489.4 |
| 20° | 1294.1 | 1296.3 | 1333.7 | 1395.4 | 1454.9 | 1500.2 | 1517.2 | 1511.5 | 1516.6 | 1525.7 |
| 22.5° | 1360.9 | 1362.0 | 1403.9 | 1470.7 | 1533.0 | 1582.9 | 1594.2 | 1571.0 | 1556.8 | 1563.1 |
| 25° | 1438.5 | 1445.8 | 1487.7 | 1556.3 | 1620.3 | 1667.8 | 1672.9 | 1637.8 | 1602.7 | 1604.4 |
| 27.5° | 1533.0 | 1539.8 | 1582.3 | 1650.3 | 1715.4 | 1756.7 | 1756.2 | 1709.2 | 1657.6 | 1644.6 |
| 30° | 1635.5 | 1642.9 | 1686.5 | 1756.7 | 1817.3 | 1853.6 | 1845.7 | 1789.6 | 1716.0 | 1691.6 |
| 32.5° | 1757.3 | 1761.8 | 1806.0 | 1876.2 | 1932.3 | 1961.2 | 1944.8 | 1875.7 | 1783.9 | 1756.2 |
| 35° | 1904.6 | 1911.3 | 1944.2 | 2010.5 | 2059.7 | 2083.5 | 2055.8 | 1974.2 | 1871.1 | 1840.0 |
| 37.5° | 2072.8 | 2068.2 | 2105.6 | 2164.5 | 2205.3 | 2220.0 | 2182.1 | 2085.2 | 1970.8 | 1934.0 |
| 40° | 2248.3 | 2246.0 | 2286.8 | 2343.5 | 2365.5 | 2374.6 | 2318.5 | 2212.6 | 2085.8 | 2046.1 |
| 42.5° | 2407.5 | 2405.8 | 2460.7 | 2523.5 | 2550.2 | 2540.0 | 2469.2 | 2348.0 | 2218.9 | 2173.6 |
| 45° | 2534.9 | 2532.6 | 2600.0 | 2688.3 | 2740.5 | 2723.5 | 2628.3 | 2497.5 | 2353.7 | 2306.6 |
| 47.5° | 2632.8 | 2634.0 | 2706.5 | 2815.8 | 2907.0 | 2913.2 | 2790.9 | 2649.8 | 2502.0 | 2448.8 |
| 50° | 2703.6 | 2707.0 | 2784.6 | 2905.8 | 3030.4 | 3085.3 | 2956.8 | 2806.1 | 2655.5 | 2595.5 |
| 52.5° | 2721.2 | 2727.4 | 2820.9 | 2963.0 | 3109.7 | 3214.5 | 3125.6 | 2956.2 | 2801.0 | 2743.8 |
| 55° | 2627.8 | 2640.2 | 2758.6 | 2958.5 | 3158.4 | 3299.4 | 3273.9 | 3108.6 | 2947.7 | 2888.8 |
| 57.5° | 2413.1 | 2430.7 | 2568.9 | 2829.9 | 3147.6 | 3357.7 | 3388.9 | 3254.7 | 3094.4 | 3037.8 |
| 60° | 2112.4 | 2133.3 | 2265.9 | 2550.7 | 2995.9 | 3379.3 | 3469.9 | 3396.8 | 3229.2 | 3174.3 |
| 62.5° | 1658.8 | 1686.0 | 1844.5 | 2178.7 | 2675.3 | 3279.0 | 3539.0 | 3525.4 | 3350.4 | 3281.9 |
| 65° | 1064.1 | 1093.0 | 1260.1 | 1654.8 | 2247.7 | 2972.1 | 3560.5 | 3650.5 | 3478.4 | 3382.7 |
| 67.5° | 641.6 | 654.7 | 737.4 | 1003.0 | 1642.9 | 2509.4 | 3378.1 | 3789.3 | 3627.9 | 3509.0 |
| 70° | 410.6 | 417.9 | 467.2 | 589.0 | 928.8 | 1830.9 | 2926.2 | 3815.3 | 3809.1 | 3638.6 |
| 72.5° | 278.6 | 280.9 | 293.9 | 348.9 | 525.6 | 1040.3 | 2158.3 | 3454.0 | 3922.4 | 3805.7 |
| 75° | 203.9 | 216.3 | 237.3 | 246.9 | 298.5 | 519.9 | 1236.9 | 2426.7 | 3305.6 | 3356.6 |
| 77.5° | 151.8 | 152.3 | 181.2 | 192.6 | 212.9 | 276.9 | 523.3 | 1354.7 | 2052.4 | 2154.9 |
| 80° | 128.6 | 121.8 | 121.2 | 155.2 | 160.3 | 172.7 | 233.9 | 467.8 | 735.1 | 445.7 |
| 82.5° | 107.0 | 99.7 | 90.0 | 121.2 | 109.3 | 105.9 | 101.4 | 190.3 | 233.9 | 115.0 |
| 85° | 74.8 | 71.4 | 68.0 | 79.3 | 62.3 | 53.2 | 48.7 | 88.9 | 98.5 | 48.7 |
| 87.5° | 32.3 | 33.4 | 34.0 | 35.1 | 26.1 | 18.7 | 18.7 | 24.9 | 24.9 | 19.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1188.2 |
| 1195.5 |
| 1224.4 |
| 1273.7 |
| 1331.4 |
| 1388.6 |
| 1449.2 |
| 1495.1 |
| 1532.5 |
| 1567.6 |
| 1607.2 |
| 1648.6 |
| 1694.4 |
| 1763.0 |
| 1844.5 |
| 1940.8 |
| 2059.2 |
| 2184.9 |
| 2317.4 |
| 2464.7 |
| 2613.6 |
| 2758.6 |
| 2905.3 |
| 3050.8 |
| 3186.1 |
| 3289.8 |
| 3394.6 |
| 3518.0 |
| 3637.5 |
| 3787.6 |
| 3233.2 |
| 1922.1 |
| 337.0 |
| 98.0 |
| 43.0 |
| 14.2 |
| 0.0 |

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