

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: P847691

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847691
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-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: 20835 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

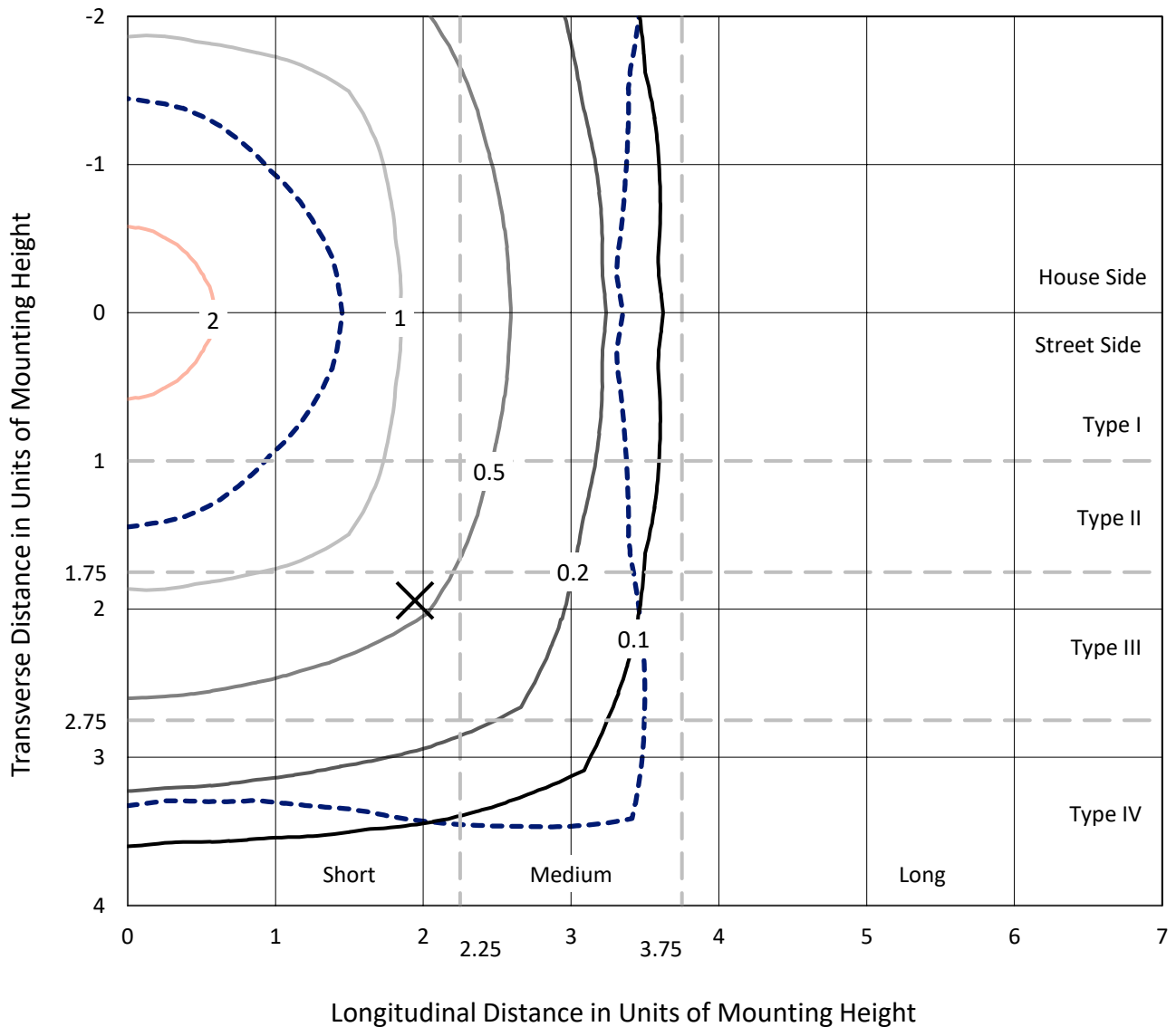
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

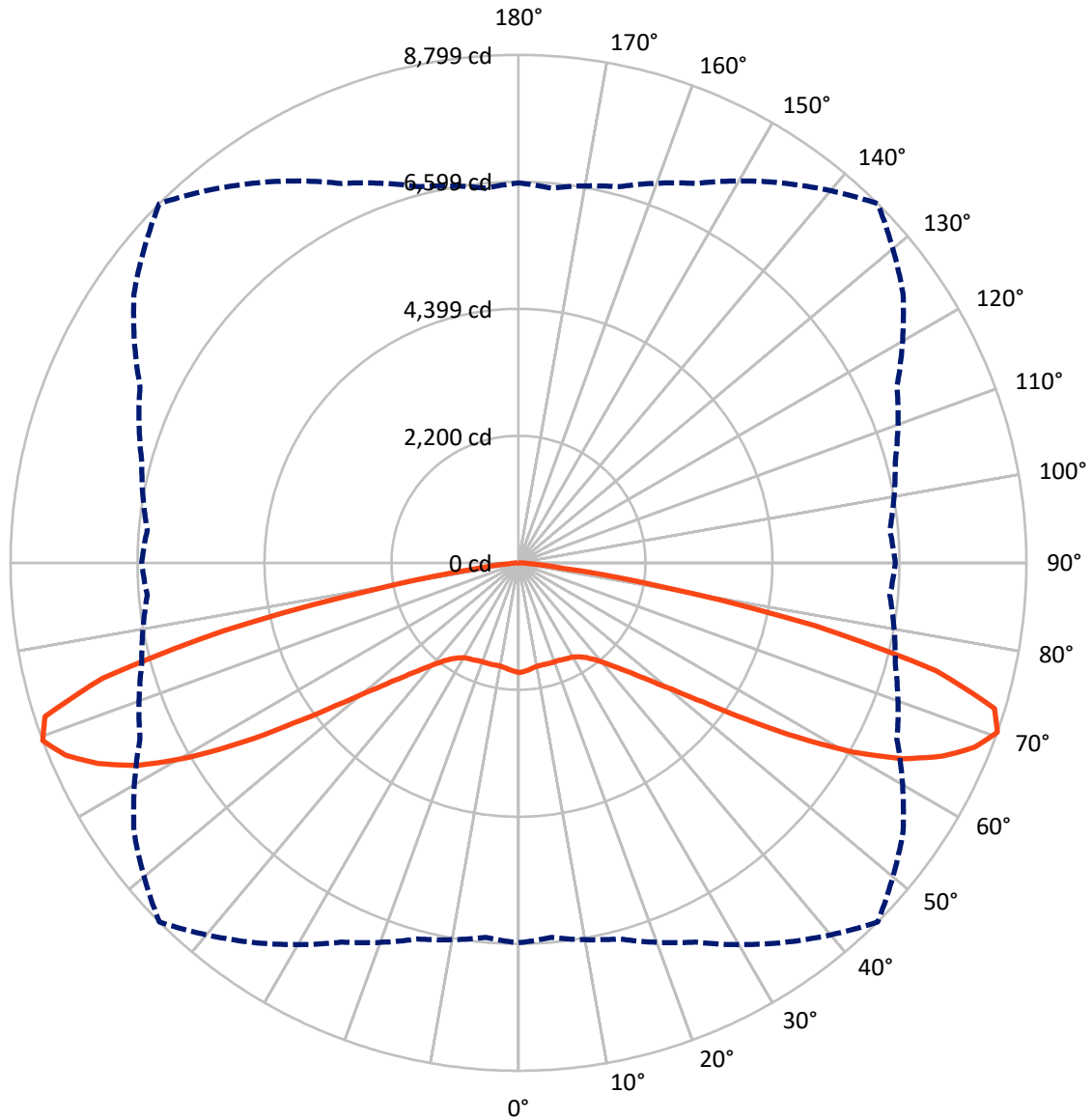
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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 | 10417.5 | 0.0 | 10417.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 10417.5 | 0.0 | 10417.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 20835.0 | 0.0 | 20835.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 176.8 | 0.8 |
| 10°-20° | 519.1 | 2.5 |
| 20°-30° | 863.9 | 4.1 |
| 30°-40° | 1306.5 | 6.3 |
| 40°-50° | 2171.0 | 10.4 |
| 50°-60° | 4096.7 | 19.7 |
| 60°-70° | 6917.4 | 33.2 |
| 70°-80° | 4545.5 | 21.8 |
| 80°-90° | 238.1 | 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° | 20835.0 | 100.0 |
| 0°-180° | 20835.0 | 100.0 |

Coefficient of Utilization



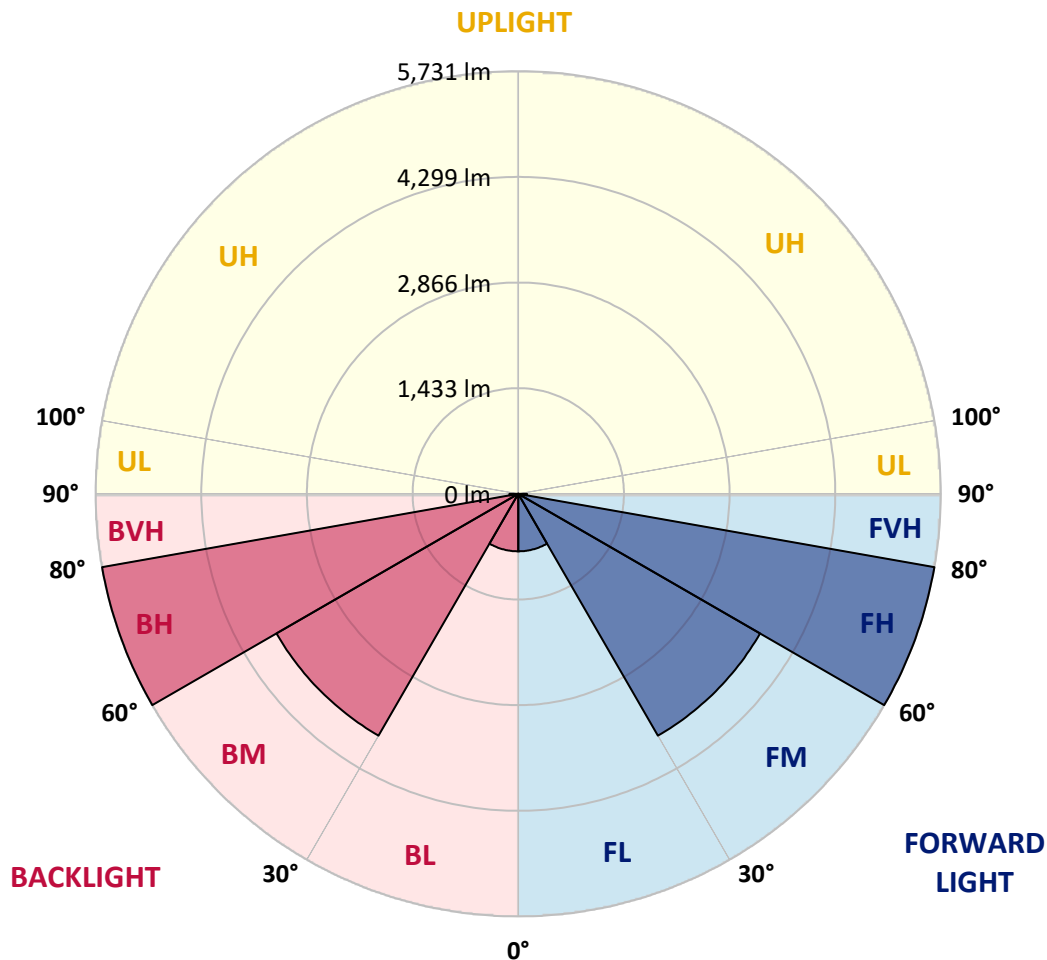
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 779.9 | 3.7 | | | |
| FM (30°-60°) | 3787.1 | 18.2 | | | |
| FH (60°-80°) | 5731.4 | 27.5 | | | G3/7500 |
| FVH (80°-90°) | 119.1 | 0.6 | | | G2/225 |
| BL (0°-30°) | 779.9 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 3787.1 | 18.2 | B3/5000 | | |
| BH (60°-80°) | 5731.4 | 27.5 | B5 | | G3/7500 |
| BVH (80°-90°) | 119.1 | 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° | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 | 1900.6 |
| 2.5° | 1888.7 | 1894.1 | 1891.9 | 1887.6 | 1887.6 | 1884.3 | 1887.6 | 1889.7 | 1893.0 | 1895.2 |
| 5° | 1863.8 | 1868.1 | 1867.0 | 1863.8 | 1864.8 | 1861.6 | 1863.8 | 1867.0 | 1869.2 | 1870.2 |
| 7.5° | 1842.1 | 1846.4 | 1844.3 | 1838.8 | 1838.8 | 1835.6 | 1836.7 | 1839.9 | 1843.2 | 1844.3 |
| 10° | 1836.7 | 1841.0 | 1834.5 | 1825.8 | 1822.6 | 1818.3 | 1819.4 | 1822.6 | 1829.1 | 1832.3 |
| 12.5° | 1838.8 | 1842.1 | 1835.6 | 1822.6 | 1819.4 | 1815.0 | 1815.0 | 1818.3 | 1826.9 | 1831.3 |
| 15° | 1845.3 | 1848.6 | 1838.8 | 1824.8 | 1821.5 | 1818.3 | 1817.2 | 1821.5 | 1831.3 | 1838.8 |
| 17.5° | 1857.3 | 1860.5 | 1845.3 | 1825.8 | 1821.5 | 1822.6 | 1821.5 | 1824.8 | 1839.9 | 1854.0 |
| 20° | 1868.1 | 1870.2 | 1849.7 | 1825.8 | 1821.5 | 1822.6 | 1821.5 | 1828.0 | 1847.5 | 1867.0 |
| 22.5° | 1871.3 | 1873.5 | 1854.0 | 1833.4 | 1830.2 | 1831.3 | 1830.2 | 1836.7 | 1855.1 | 1874.6 |
| 25° | 1872.4 | 1875.7 | 1860.5 | 1844.3 | 1849.7 | 1851.8 | 1849.7 | 1850.8 | 1864.8 | 1882.2 |
| 27.5° | 1888.7 | 1893.0 | 1878.9 | 1864.8 | 1868.1 | 1867.0 | 1870.2 | 1873.5 | 1884.3 | 1901.7 |
| 30° | 1922.2 | 1925.5 | 1913.6 | 1899.5 | 1897.3 | 1889.7 | 1899.5 | 1910.3 | 1922.2 | 1937.4 |
| 32.5° | 1977.5 | 1984.0 | 1968.8 | 1953.6 | 1943.9 | 1939.6 | 1947.1 | 1965.5 | 1981.8 | 1998.0 |
| 35° | 2069.5 | 2073.8 | 2059.8 | 2031.6 | 2014.3 | 2014.3 | 2020.8 | 2044.6 | 2070.6 | 2091.2 |
| 37.5° | 2199.5 | 2204.9 | 2180.0 | 2146.4 | 2120.4 | 2120.4 | 2129.1 | 2154.0 | 2193.0 | 2222.2 |
| 40° | 2357.6 | 2365.2 | 2333.8 | 2299.1 | 2274.2 | 2269.9 | 2280.7 | 2308.8 | 2345.7 | 2382.5 |
| 42.5° | 2548.2 | 2556.8 | 2515.7 | 2485.4 | 2465.9 | 2465.9 | 2471.3 | 2497.3 | 2530.8 | 2576.3 |
| 45° | 2791.8 | 2807.0 | 2750.7 | 2720.4 | 2702.0 | 2706.3 | 2709.5 | 2732.3 | 2762.6 | 2814.6 |
| 47.5° | 3082.1 | 3097.2 | 3037.7 | 3006.3 | 3003.0 | 3023.6 | 3010.6 | 3026.8 | 3043.1 | 3102.6 |
| 50° | 3411.3 | 3437.3 | 3396.1 | 3394.0 | 3400.5 | 3438.4 | 3408.0 | 3416.7 | 3398.3 | 3436.2 |
| 52.5° | 3814.1 | 3852.0 | 3844.5 | 3857.5 | 3930.0 | 4008.0 | 3938.7 | 3908.4 | 3839.0 | 3851.0 |
| 55° | 4302.5 | 4359.9 | 4370.8 | 4448.7 | 4613.4 | 4772.5 | 4625.3 | 4502.9 | 4355.6 | 4328.5 |
| 57.5° | 4858.1 | 4903.6 | 4955.6 | 5114.8 | 5422.3 | 5705.0 | 5422.3 | 5151.6 | 4919.8 | 4864.6 |
| 60° | 5455.9 | 5512.2 | 5562.0 | 5797.0 | 6254.0 | 6651.5 | 6245.4 | 5815.4 | 5508.9 | 5434.2 |
| 62.5° | 6098.1 | 6170.6 | 6205.3 | 6466.3 | 6999.1 | 7473.4 | 7006.7 | 6485.8 | 6145.7 | 6065.6 |
| 65° | 6714.3 | 6773.8 | 6812.8 | 7091.1 | 7600.1 | 8075.5 | 7634.8 | 7121.5 | 6771.7 | 6666.6 |
| 67.5° | 7001.3 | 7033.7 | 7129.0 | 7444.2 | 7981.3 | 8523.9 | 8072.3 | 7477.7 | 7086.8 | 6902.7 |
| 70° | 6581.1 | 6515.0 | 6744.6 | 7249.2 | 8026.8 | 8798.9 | 8130.8 | 7234.1 | 6755.4 | 6456.5 |
| 72.5° | 5085.5 | 4971.8 | 5370.3 | 6233.4 | 7507.0 | 8623.5 | 7559.0 | 6282.2 | 5618.3 | 5011.9 |
| 75° | 2766.9 | 2638.1 | 3188.2 | 4279.8 | 5986.5 | 7474.5 | 6124.1 | 4402.2 | 3549.9 | 2746.4 |
| 77.5° | 780.8 | 732.1 | 1176.1 | 2070.6 | 3600.8 | 5248.0 | 3739.4 | 2116.1 | 1394.8 | 827.4 |
| 80° | 239.3 | 231.8 | 314.1 | 623.8 | 1529.1 | 2513.5 | 1469.6 | 631.4 | 399.6 | 252.3 |
| 82.5° | 141.9 | 130.0 | 155.9 | 227.4 | 389.9 | 789.5 | 379.0 | 237.2 | 190.6 | 127.8 |
| 85° | 81.2 | 75.8 | 92.1 | 110.5 | 131.0 | 167.9 | 109.4 | 112.6 | 101.8 | 68.2 |
| 87.5° | 33.6 | 30.3 | 35.7 | 34.7 | 30.3 | 39.0 | 29.2 | 34.7 | 41.2 | 27.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1900.6 |
| 1894.1 |
| 1870.2 |
| 1844.3 |
| 1832.3 |
| 1832.3 |
| 1839.9 |
| 1854.0 |
| 1868.1 |
| 1874.6 |
| 1881.1 |
| 1897.3 |
| 1934.1 |
| 1991.5 |
| 2083.6 |
| 2211.4 |
| 2370.6 |
| 2573.1 |
| 2812.4 |
| 3085.3 |
| 3413.4 |
| 3810.9 |
| 4286.3 |
| 4825.6 |
| 5369.2 |
| 6000.6 |
| 6614.6 |
| 6904.9 |
| 6528.0 |
| 5162.4 |
| 2925.0 |
| 919.4 |
| 266.4 |
| 138.6 |
| 71.5 |
| 24.9 |
| 0.0 |

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