

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: McGRAW-EDISON

Report Number: P948656

Luminaire Tested: **GALN-SB3C-927-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948656
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: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14084 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G3

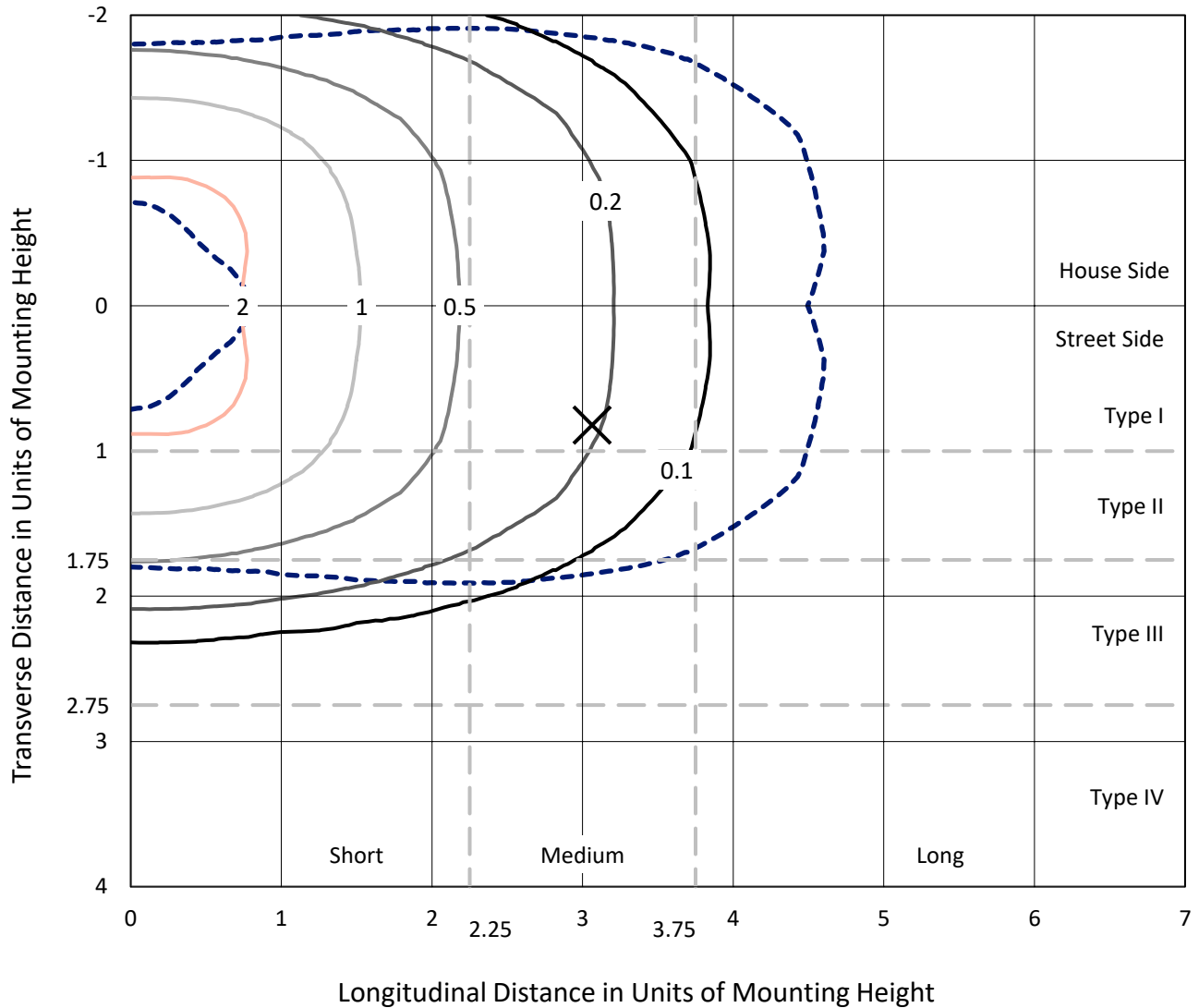
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

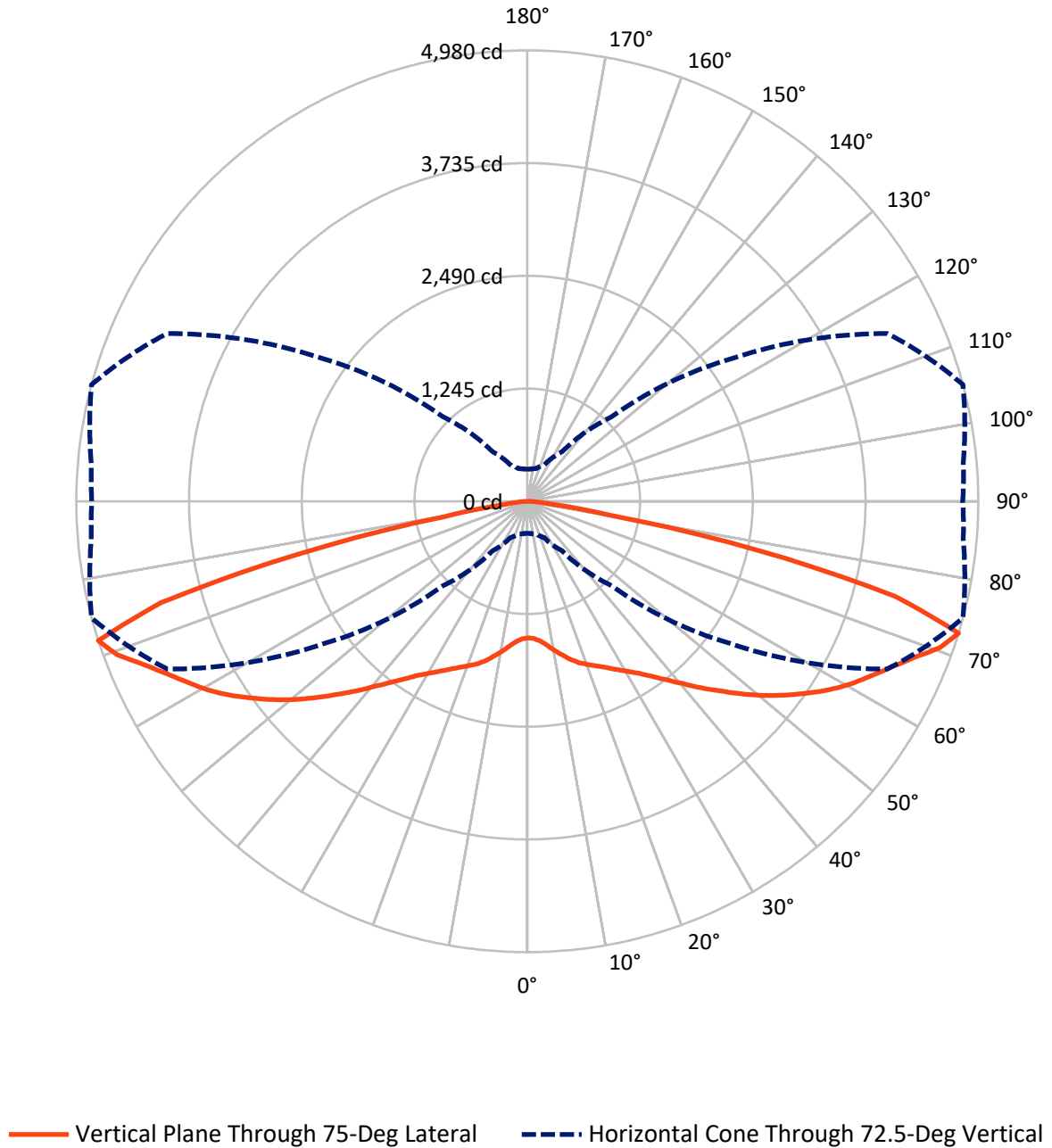
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 7042.0 | 0.0 | 7042.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7042.0 | 0.0 | 7042.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14084.0 | 0.0 | 14084.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 147.8 | 1.0 |
| 10°-20° | 487.4 | 3.5 |
| 20°-30° | 941.8 | 6.7 |
| 30°-40° | 1590.4 | 11.3 |
| 40°-50° | 2522.1 | 17.9 |
| 50°-60° | 3376.9 | 24.0 |
| 60°-70° | 3213.7 | 22.8 |
| 70°-80° | 1677.0 | 11.9 |
| 80°-90° | 126.9 | 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° | 14084.0 | 100.0 |
| 0°-180° | 14084.0 | 100.0 |

Coefficient of Utilization



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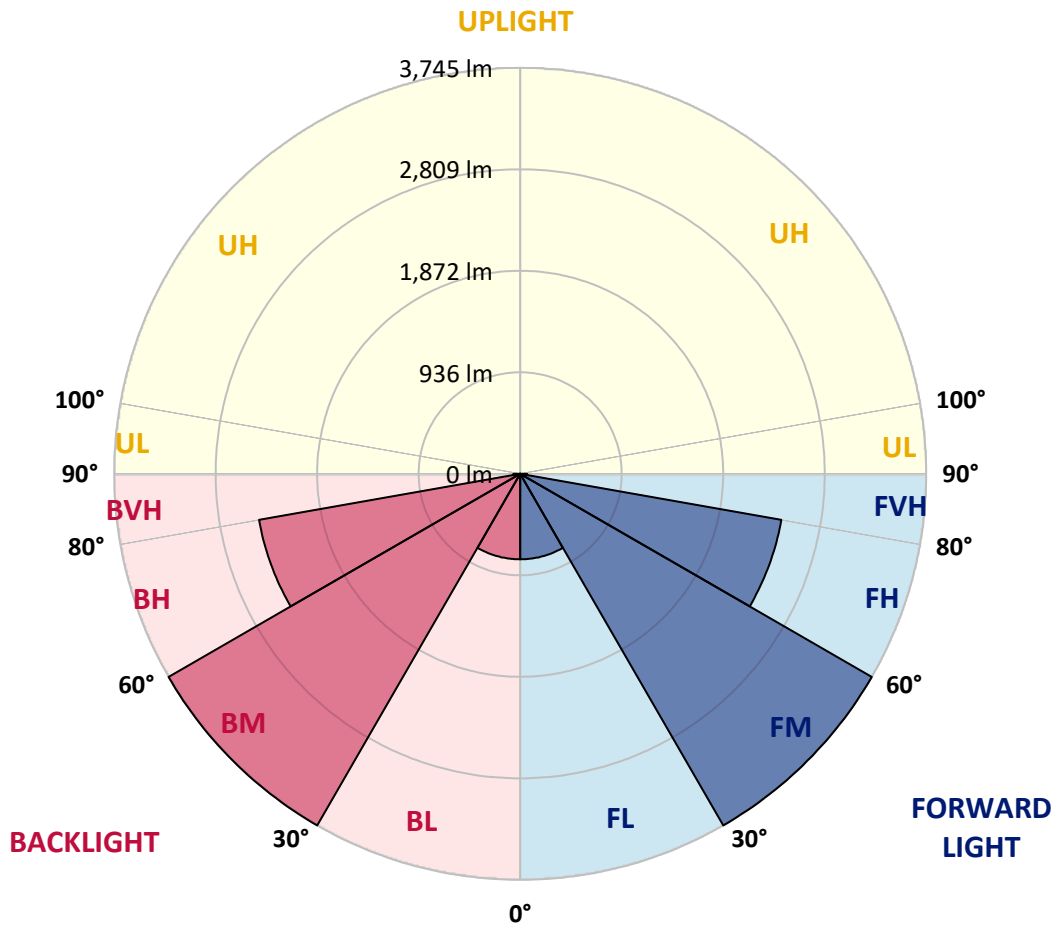
CATALOG NUMBER: GALN-SB3C-927-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 788.5 | 5.6 | | | |
| FM (30°-60°) | 3744.7 | 26.6 | | | |
| FH (60°-80°) | 2445.3 | 17.4 | | | G2/5000 |
| FVH (80°-90°) | 63.5 | 0.5 | | | G1/100 |
| BL (0°-30°) | 788.5 | 5.6 | B2/1000 | | |
| BM (30°-60°) | 3744.7 | 26.6 | B3/5000 | | |
| BH (60°-80°) | 2445.3 | 17.4 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 63.5 | 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° | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 | 1508.6 |
| 2.5° | 1508.6 | 1507.2 | 1508.6 | 1510.1 | 1509.4 | 1509.4 | 1513.0 | 1515.1 | 1519.4 | 1518.7 |
| 5° | 1498.6 | 1497.9 | 1503.6 | 1510.1 | 1515.1 | 1523.7 | 1534.5 | 1542.4 | 1552.5 | 1554.7 |
| 7.5° | 1493.5 | 1491.4 | 1501.5 | 1513.0 | 1528.8 | 1550.4 | 1571.2 | 1592.8 | 1610.0 | 1615.8 |
| 10° | 1497.1 | 1497.9 | 1511.5 | 1533.1 | 1558.3 | 1588.5 | 1618.0 | 1654.6 | 1679.1 | 1684.8 |
| 12.5° | 1513.7 | 1512.2 | 1535.3 | 1569.8 | 1604.3 | 1642.4 | 1676.9 | 1717.2 | 1743.8 | 1757.5 |
| 15° | 1543.9 | 1541.0 | 1573.4 | 1624.4 | 1674.8 | 1719.3 | 1747.4 | 1785.5 | 1816.4 | 1833.7 |
| 17.5° | 1579.8 | 1581.3 | 1623.7 | 1689.9 | 1756.0 | 1806.4 | 1833.0 | 1852.4 | 1876.1 | 1891.2 |
| 20° | 1643.1 | 1646.0 | 1693.5 | 1771.8 | 1847.3 | 1904.9 | 1926.4 | 1919.2 | 1925.7 | 1937.2 |
| 22.5° | 1728.0 | 1729.4 | 1782.6 | 1867.5 | 1946.6 | 2009.9 | 2024.2 | 1994.8 | 1976.8 | 1984.7 |
| 25° | 1826.5 | 1835.8 | 1889.0 | 1976.1 | 2057.3 | 2117.7 | 2124.2 | 2079.6 | 2035.0 | 2037.2 |
| 27.5° | 1946.6 | 1955.2 | 2009.1 | 2095.4 | 2178.1 | 2230.6 | 2229.9 | 2170.2 | 2104.8 | 2088.2 |
| 30° | 2076.7 | 2086.1 | 2141.4 | 2230.6 | 2307.6 | 2353.6 | 2343.5 | 2272.3 | 2178.8 | 2147.9 |
| 32.5° | 2231.3 | 2237.1 | 2293.2 | 2382.3 | 2453.5 | 2490.2 | 2469.4 | 2381.6 | 2265.1 | 2229.9 |
| 35° | 2418.3 | 2426.9 | 2468.6 | 2552.8 | 2615.3 | 2645.5 | 2610.3 | 2506.7 | 2375.9 | 2336.3 |
| 37.5° | 2631.9 | 2626.1 | 2673.6 | 2748.4 | 2800.1 | 2818.8 | 2770.6 | 2647.7 | 2502.4 | 2455.7 |
| 40° | 2854.8 | 2851.9 | 2903.7 | 2975.6 | 3003.6 | 3015.1 | 2943.9 | 2809.5 | 2648.4 | 2598.1 |
| 42.5° | 3056.8 | 3054.7 | 3124.4 | 3204.3 | 3238.1 | 3225.1 | 3135.2 | 2981.3 | 2817.4 | 2759.9 |
| 45° | 3218.6 | 3215.8 | 3301.3 | 3413.5 | 3479.7 | 3458.1 | 3337.3 | 3171.2 | 2988.5 | 2928.8 |
| 47.5° | 3343.0 | 3344.5 | 3436.5 | 3575.3 | 3691.1 | 3699.0 | 3543.7 | 3364.6 | 3176.9 | 3109.3 |
| 50° | 3432.9 | 3437.2 | 3535.8 | 3689.6 | 3847.8 | 3917.6 | 3754.4 | 3563.1 | 3371.8 | 3295.6 |
| 52.5° | 3455.2 | 3463.1 | 3581.8 | 3762.3 | 3948.5 | 4081.5 | 3968.7 | 3753.6 | 3556.6 | 3484.0 |
| 55° | 3336.6 | 3352.4 | 3502.7 | 3756.5 | 4010.4 | 4189.4 | 4157.1 | 3947.1 | 3742.9 | 3668.1 |
| 57.5° | 3064.0 | 3086.3 | 3261.8 | 3593.3 | 3996.7 | 4263.5 | 4303.0 | 4132.6 | 3929.1 | 3857.2 |
| 60° | 2682.2 | 2708.8 | 2877.1 | 3238.8 | 3804.0 | 4290.8 | 4405.9 | 4313.1 | 4100.2 | 4030.5 |
| 62.5° | 2106.2 | 2140.7 | 2342.1 | 2766.3 | 3397.0 | 4163.5 | 4493.6 | 4476.3 | 4254.1 | 4167.1 |
| 65° | 1351.2 | 1387.8 | 1600.0 | 2101.2 | 2854.1 | 3773.8 | 4520.9 | 4635.2 | 4416.6 | 4295.1 |
| 67.5° | 814.7 | 831.3 | 936.3 | 1273.5 | 2086.1 | 3186.3 | 4289.4 | 4811.4 | 4606.5 | 4455.5 |
| 70° | 521.3 | 530.7 | 593.2 | 747.9 | 1179.3 | 2324.8 | 3715.5 | 4844.5 | 4836.6 | 4620.1 |
| 72.5° | 353.8 | 356.7 | 373.2 | 443.0 | 667.3 | 1321.0 | 2740.4 | 4385.7 | 4980.4 | 4832.3 |
| 75° | 258.9 | 274.7 | 301.3 | 313.5 | 379.0 | 660.1 | 1570.5 | 3081.3 | 4197.3 | 4262.0 |
| 77.5° | 192.7 | 193.4 | 230.1 | 244.5 | 270.4 | 351.6 | 664.4 | 1720.1 | 2606.0 | 2736.1 |
| 80° | 163.2 | 154.6 | 153.9 | 197.0 | 203.5 | 219.3 | 297.0 | 594.0 | 933.4 | 565.9 |
| 82.5° | 135.9 | 126.6 | 114.3 | 153.9 | 138.8 | 134.5 | 128.7 | 241.6 | 297.0 | 146.0 |
| 85° | 94.9 | 90.6 | 86.3 | 100.7 | 79.1 | 67.6 | 61.8 | 112.9 | 125.1 | 61.8 |
| 87.5° | 41.0 | 42.4 | 43.1 | 44.6 | 33.1 | 23.7 | 23.7 | 31.6 | 31.6 | 24.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 1508.6 |
| 1518.0 |
| 1554.7 |
| 1617.2 |
| 1690.6 |
| 1763.2 |
| 1840.1 |
| 1898.4 |
| 1945.9 |
| 1990.4 |
| 2040.8 |
| 2093.3 |
| 2151.5 |
| 2238.5 |
| 2342.1 |
| 2464.3 |
| 2614.6 |
| 2774.2 |
| 2942.5 |
| 3129.5 |
| 3318.6 |
| 3502.7 |
| 3688.9 |
| 3873.7 |
| 4045.6 |
| 4177.2 |
| 4310.2 |
| 4467.0 |
| 4618.7 |
| 4809.3 |
| 4105.3 |
| 2440.6 |
| 427.9 |
| 124.4 |
| 54.7 |
| 18.0 |
| 0.0 |

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