

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: P940230

Luminaire Tested: **GLAN-SB3A-950-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940230
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-SB3A-950-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9470 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

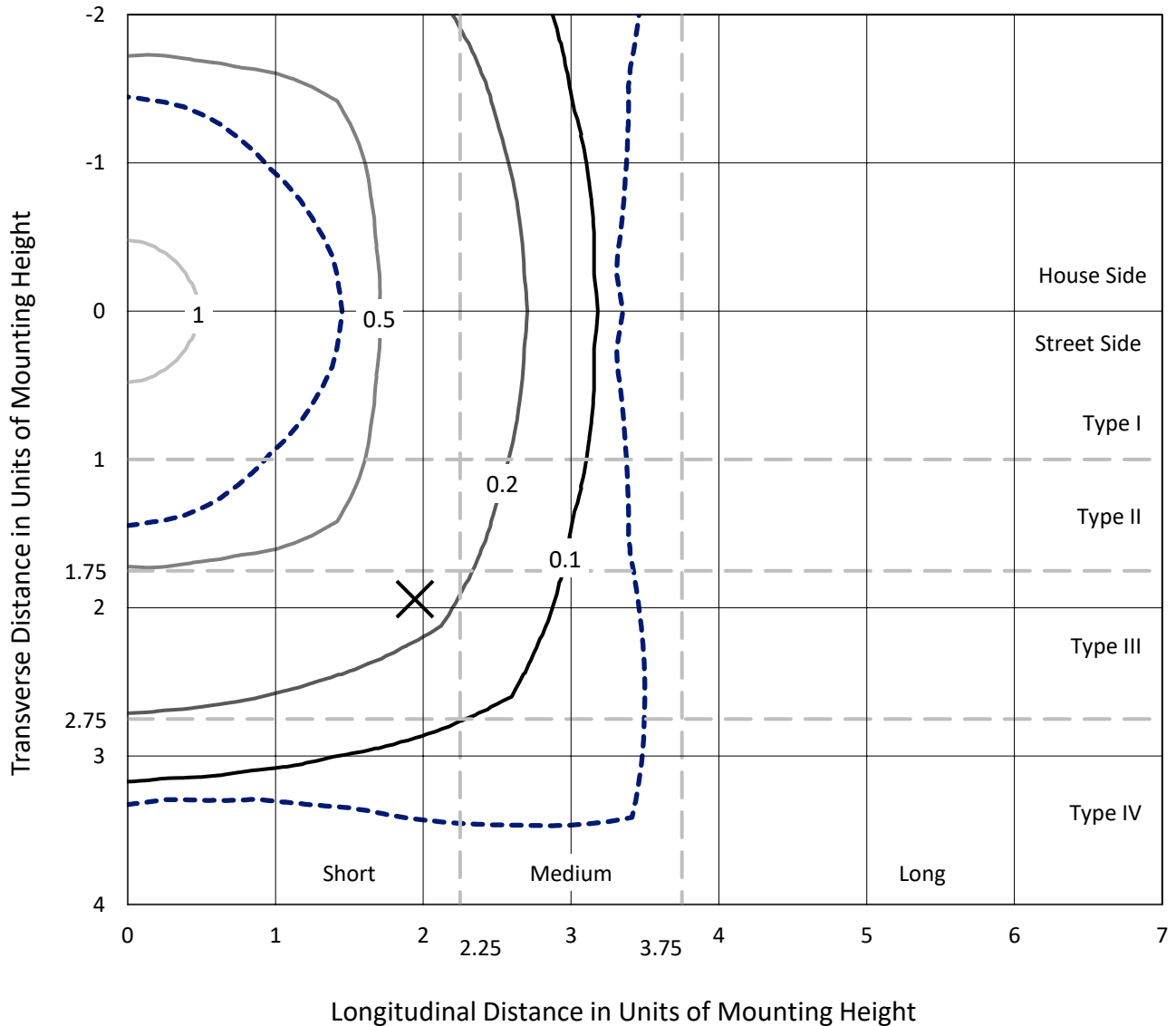
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

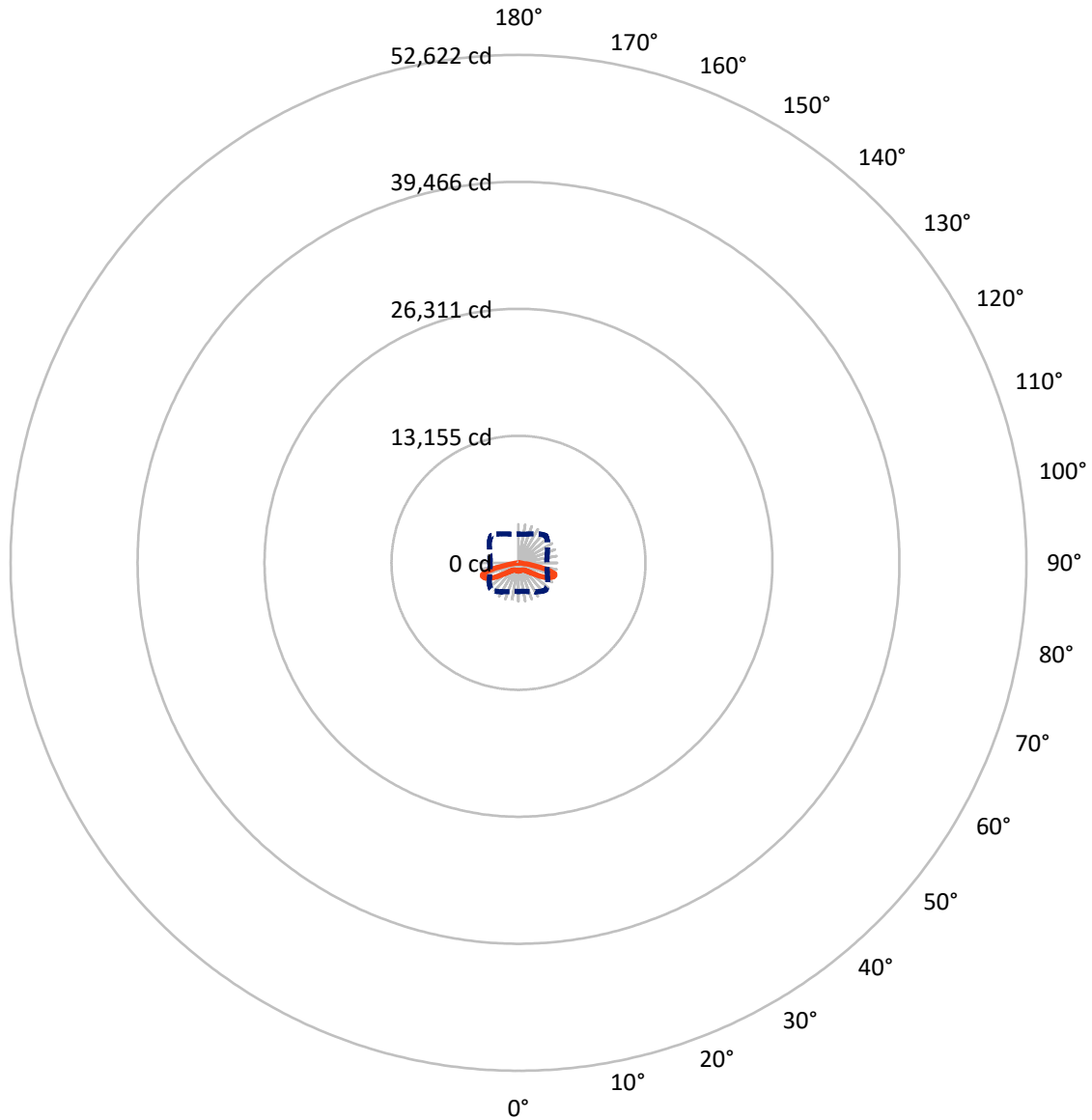
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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 | 4735.0 | 0.0 | 4735.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4735.0 | 0.0 | 4735.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 9470.0 | 0.0 | 9470.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 80.4 | 0.8 |
| 10°-20° | 236.0 | 2.5 |
| 20°-30° | 392.7 | 4.1 |
| 30°-40° | 593.8 | 6.3 |
| 40°-50° | 986.8 | 10.4 |
| 50°-60° | 1862.0 | 19.7 |
| 60°-70° | 3144.1 | 33.2 |
| 70°-80° | 2066.0 | 21.8 |
| 80°-90° | 108.2 | 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° | 9470.0 | 100.0 |
| 0°-180° | 9470.0 | 100.0 |

Coefficient of Utilization



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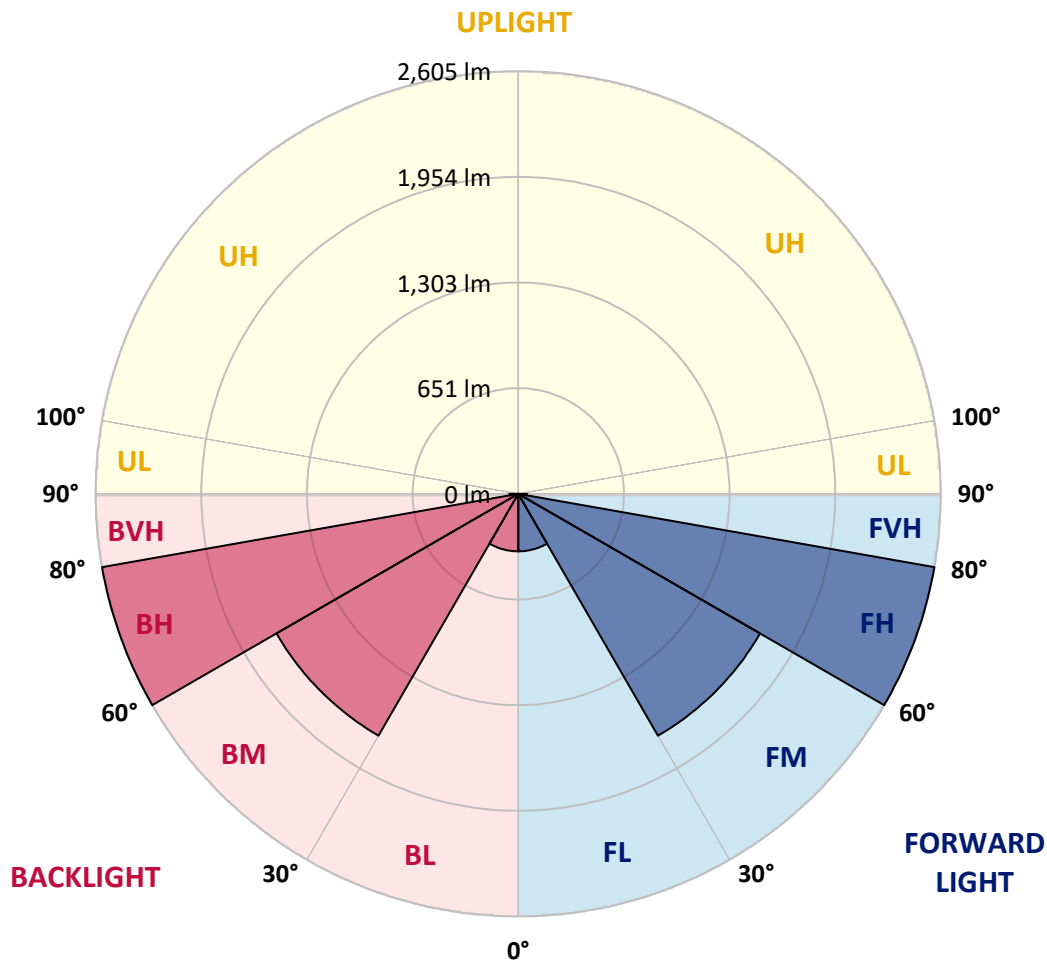
CATALOG NUMBER: GLAN-SB3A-950-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 354.5 | 3.7 | | | |
| FM (30°-60°) | 1721.3 | 18.2 | | | |
| FH (60°-80°) | 2605.1 | 27.5 | | | G2/5000 |
| FVH (80°-90°) | 54.1 | 0.6 | | | G1/100 |
| BL (0°-30°) | 354.5 | 3.7 | B1/500 | | |
| BM (30°-60°) | 1721.3 | 18.2 | B2/2500 | | |
| BH (60°-80°) | 2605.1 | 27.5 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 54.1 | 0.6 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 | 863.9 |
| 2.5° | 858.4 | 860.9 | 859.9 | 857.9 | 857.9 | 856.5 | 857.9 | 858.9 | 860.4 | 861.4 |
| 5° | 847.1 | 849.1 | 848.6 | 847.1 | 847.6 | 846.1 | 847.1 | 848.6 | 849.6 | 850.1 |
| 7.5° | 837.3 | 839.2 | 838.3 | 835.8 | 835.8 | 834.3 | 834.8 | 836.3 | 837.8 | 838.3 |
| 10° | 834.8 | 836.8 | 833.8 | 829.9 | 828.4 | 826.4 | 826.9 | 828.4 | 831.4 | 832.8 |
| 12.5° | 835.8 | 837.3 | 834.3 | 828.4 | 826.9 | 825.0 | 825.0 | 826.4 | 830.4 | 832.4 |
| 15° | 838.8 | 840.2 | 835.8 | 829.4 | 827.9 | 826.4 | 826.0 | 827.9 | 832.4 | 835.8 |
| 17.5° | 844.2 | 845.6 | 838.8 | 829.9 | 827.9 | 828.4 | 827.9 | 829.4 | 836.3 | 842.7 |
| 20° | 849.1 | 850.1 | 840.7 | 829.9 | 827.9 | 828.4 | 827.9 | 830.9 | 839.7 | 848.6 |
| 22.5° | 850.6 | 851.5 | 842.7 | 833.3 | 831.9 | 832.4 | 831.9 | 834.8 | 843.2 | 852.0 |
| 25° | 851.1 | 852.5 | 845.6 | 838.3 | 840.7 | 841.7 | 840.7 | 841.2 | 847.6 | 855.5 |
| 27.5° | 858.4 | 860.4 | 854.0 | 847.6 | 849.1 | 848.6 | 850.1 | 851.5 | 856.5 | 864.3 |
| 30° | 873.7 | 875.2 | 869.8 | 863.4 | 862.4 | 858.9 | 863.4 | 868.3 | 873.7 | 880.6 |
| 32.5° | 898.8 | 901.8 | 894.9 | 888.0 | 883.5 | 881.6 | 885.0 | 893.4 | 900.8 | 908.2 |
| 35° | 940.6 | 942.6 | 936.2 | 923.4 | 915.5 | 915.5 | 918.5 | 929.3 | 941.1 | 950.5 |
| 37.5° | 999.7 | 1002.2 | 990.8 | 975.6 | 963.8 | 963.8 | 967.7 | 979.0 | 996.8 | 1010.0 |
| 40° | 1071.6 | 1075.0 | 1060.7 | 1045.0 | 1033.7 | 1031.7 | 1036.6 | 1049.4 | 1066.2 | 1082.9 |
| 42.5° | 1158.2 | 1162.1 | 1143.4 | 1129.7 | 1120.8 | 1120.8 | 1123.3 | 1135.1 | 1150.3 | 1171.0 |
| 45° | 1269.0 | 1275.8 | 1250.3 | 1236.5 | 1228.1 | 1230.1 | 1231.5 | 1241.9 | 1255.7 | 1279.3 |
| 47.5° | 1400.9 | 1407.8 | 1380.7 | 1366.4 | 1364.9 | 1374.3 | 1368.4 | 1375.8 | 1383.2 | 1410.2 |
| 50° | 1550.5 | 1562.3 | 1543.6 | 1542.6 | 1545.6 | 1562.8 | 1549.0 | 1553.0 | 1544.6 | 1561.8 |
| 52.5° | 1733.6 | 1750.8 | 1747.4 | 1753.3 | 1786.3 | 1821.7 | 1790.2 | 1776.4 | 1744.9 | 1750.4 |
| 55° | 1955.6 | 1981.7 | 1986.6 | 2022.1 | 2096.9 | 2169.2 | 2102.3 | 2046.7 | 1979.7 | 1967.4 |
| 57.5° | 2208.1 | 2228.8 | 2252.4 | 2324.8 | 2464.6 | 2593.0 | 2464.6 | 2341.5 | 2236.2 | 2211.1 |
| 60° | 2479.8 | 2505.4 | 2528.1 | 2634.9 | 2842.6 | 3023.2 | 2838.7 | 2643.2 | 2503.9 | 2470.0 |
| 62.5° | 2771.7 | 2804.7 | 2820.4 | 2939.1 | 3181.2 | 3396.8 | 3184.7 | 2947.9 | 2793.4 | 2757.0 |
| 65° | 3051.8 | 3078.9 | 3096.6 | 3223.1 | 3454.4 | 3670.5 | 3470.2 | 3236.9 | 3077.9 | 3030.1 |
| 67.5° | 3182.2 | 3197.0 | 3240.3 | 3383.6 | 3627.7 | 3874.3 | 3669.0 | 3398.8 | 3221.1 | 3137.4 |
| 70° | 2991.3 | 2961.2 | 3065.6 | 3295.0 | 3648.4 | 3999.3 | 3695.6 | 3288.1 | 3070.5 | 2934.6 |
| 72.5° | 2311.5 | 2259.8 | 2440.9 | 2833.2 | 3412.1 | 3919.6 | 3435.7 | 2855.4 | 2553.7 | 2278.0 |
| 75° | 1257.6 | 1199.1 | 1449.1 | 1945.3 | 2721.0 | 3397.3 | 2783.5 | 2000.9 | 1613.5 | 1248.3 |
| 77.5° | 354.9 | 332.7 | 534.6 | 941.1 | 1636.6 | 2385.3 | 1699.7 | 961.8 | 634.0 | 376.1 |
| 80° | 108.8 | 105.3 | 142.7 | 283.5 | 695.0 | 1142.5 | 667.9 | 287.0 | 181.6 | 114.7 |
| 82.5° | 64.5 | 59.1 | 70.9 | 103.4 | 177.2 | 358.8 | 172.3 | 107.8 | 86.6 | 58.1 |
| 85° | 36.9 | 34.5 | 41.8 | 50.2 | 59.6 | 76.3 | 49.7 | 51.2 | 46.3 | 31.0 |
| 87.5° | 15.3 | 13.8 | 16.2 | 15.8 | 13.8 | 17.7 | 13.3 | 15.8 | 18.7 | 12.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|--------|
| 863.9 |
| 860.9 |
| 850.1 |
| 838.3 |
| 832.8 |
| 832.8 |
| 836.3 |
| 842.7 |
| 849.1 |
| 852.0 |
| 855.0 |
| 862.4 |
| 879.1 |
| 905.2 |
| 947.0 |
| 1005.1 |
| 1077.5 |
| 1169.5 |
| 1278.3 |
| 1402.3 |
| 1551.5 |
| 1732.1 |
| 1948.2 |
| 2193.4 |
| 2440.5 |
| 2727.4 |
| 3006.5 |
| 3138.4 |
| 2967.1 |
| 2346.4 |
| 1329.5 |
| 417.9 |
| 121.1 |
| 63.0 |
| 32.5 |
| 11.3 |
| 0.0 |

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