

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: P941660

Luminaire Tested: **GLAN-SB5B-760-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941660
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-SB5B-760-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30440 lumens
Efficiency: N/A
Efficacy: 166.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

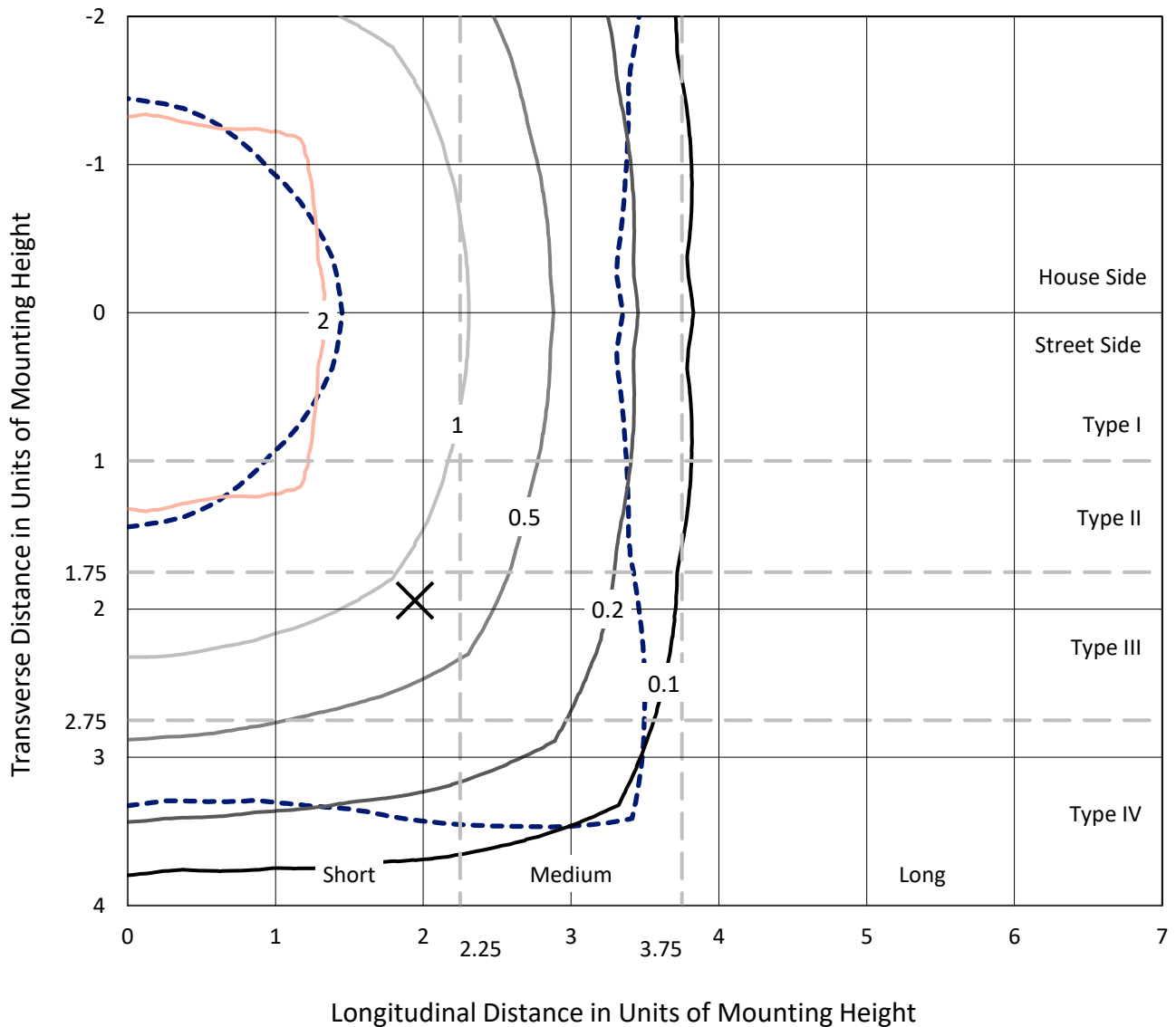
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

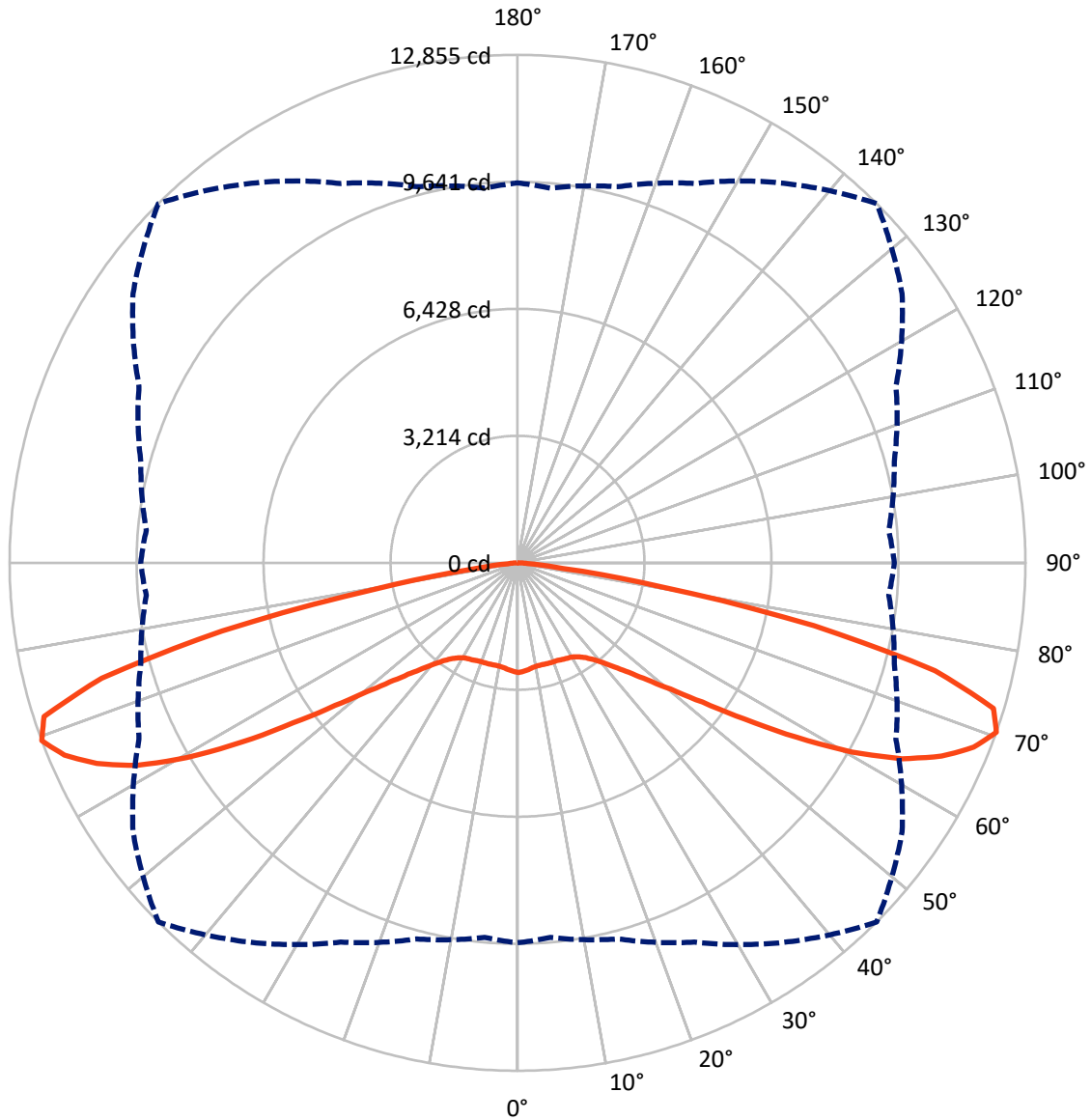
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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 | 15220.0 | 0.0 | 15220.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15220.0 | 0.0 | 15220.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 30440.0 | 0.0 | 30440.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 258.3 | 0.8 |
| 10°-20° | 758.4 | 2.5 |
| 20°-30° | 1262.2 | 4.1 |
| 30°-40° | 1908.8 | 6.3 |
| 40°-50° | 3171.9 | 10.4 |
| 50°-60° | 5985.3 | 19.7 |
| 60°-70° | 10106.3 | 33.2 |
| 70°-80° | 6640.9 | 21.8 |
| 80°-90° | 347.9 | 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° | 30440.0 | 100.0 |
| 0°-180° | 30440.0 | 100.0 |

Coefficient of Utilization



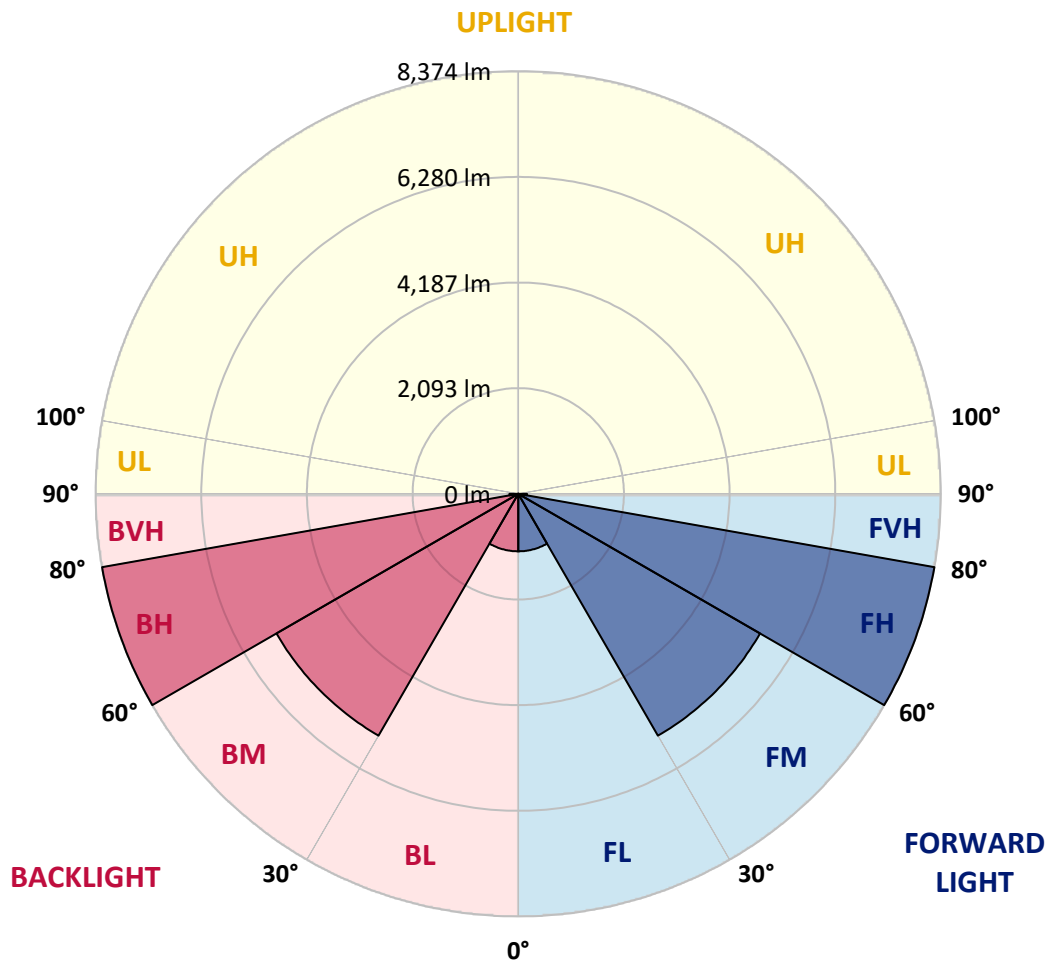
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1139.4 | 3.7 | | | |
| FM (30°-60°) | 5533.0 | 18.2 | | | |
| FH (60°-80°) | 8373.6 | 27.5 | | | G4/12000 |
| FVH (80°-90°) | 174.0 | 0.6 | | | G2/225 |
| BL (0°-30°) | 1139.4 | 3.7 | B3/2500 | | |
| BM (30°-60°) | 5533.0 | 18.2 | B4/8500 | | |
| BH (60°-80°) | 8373.6 | 27.5 | B5 | | G4/12000 |
| BVH (80°-90°) | 174.0 | 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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 | 2776.7 |
| 2.5° | 2759.3 | 2767.2 | 2764.1 | 2757.8 | 2757.8 | 2753.0 | 2757.8 | 2760.9 | 2765.7 | 2768.8 |
| 5° | 2722.9 | 2729.3 | 2727.7 | 2722.9 | 2724.5 | 2719.8 | 2722.9 | 2727.7 | 2730.9 | 2732.4 |
| 7.5° | 2691.3 | 2697.6 | 2694.5 | 2686.6 | 2686.6 | 2681.8 | 2683.4 | 2688.1 | 2692.9 | 2694.5 |
| 10° | 2683.4 | 2689.7 | 2680.2 | 2667.6 | 2662.8 | 2656.5 | 2658.1 | 2662.8 | 2672.3 | 2677.1 |
| 12.5° | 2686.6 | 2691.3 | 2681.8 | 2662.8 | 2658.1 | 2651.7 | 2651.7 | 2656.5 | 2669.2 | 2675.5 |
| 15° | 2696.0 | 2700.8 | 2686.6 | 2666.0 | 2661.2 | 2656.5 | 2654.9 | 2661.2 | 2675.5 | 2686.6 |
| 17.5° | 2713.5 | 2718.2 | 2696.0 | 2667.6 | 2661.2 | 2662.8 | 2661.2 | 2666.0 | 2688.1 | 2708.7 |
| 20° | 2729.3 | 2732.4 | 2702.4 | 2667.6 | 2661.2 | 2662.8 | 2661.2 | 2670.7 | 2699.2 | 2727.7 |
| 22.5° | 2734.0 | 2737.2 | 2708.7 | 2678.6 | 2673.9 | 2675.5 | 2673.9 | 2683.4 | 2710.3 | 2738.8 |
| 25° | 2735.6 | 2740.4 | 2718.2 | 2694.5 | 2702.4 | 2705.5 | 2702.4 | 2704.0 | 2724.5 | 2749.8 |
| 27.5° | 2759.3 | 2765.7 | 2745.1 | 2724.5 | 2729.3 | 2727.7 | 2732.4 | 2737.2 | 2753.0 | 2778.3 |
| 30° | 2808.4 | 2813.1 | 2795.7 | 2775.2 | 2772.0 | 2760.9 | 2775.2 | 2791.0 | 2808.4 | 2830.5 |
| 32.5° | 2889.1 | 2898.6 | 2876.4 | 2854.3 | 2840.0 | 2833.7 | 2844.8 | 2871.7 | 2895.4 | 2919.1 |
| 35° | 3023.6 | 3029.9 | 3009.3 | 2968.2 | 2942.9 | 2942.9 | 2952.4 | 2987.2 | 3025.1 | 3055.2 |
| 37.5° | 3213.4 | 3221.3 | 3184.9 | 3135.9 | 3097.9 | 3097.9 | 3110.6 | 3147.0 | 3203.9 | 3246.7 |
| 40° | 3444.4 | 3455.5 | 3409.6 | 3359.0 | 3322.6 | 3316.3 | 3332.1 | 3373.2 | 3427.0 | 3480.8 |
| 42.5° | 3722.9 | 3735.5 | 3675.4 | 3631.1 | 3602.6 | 3602.6 | 3610.6 | 3648.5 | 3697.6 | 3764.0 |
| 45° | 4078.9 | 4101.0 | 4018.8 | 3974.5 | 3947.6 | 3953.9 | 3958.6 | 3991.9 | 4036.2 | 4112.1 |
| 47.5° | 4502.9 | 4525.1 | 4438.0 | 4392.2 | 4387.4 | 4417.5 | 4398.5 | 4422.2 | 4445.9 | 4533.0 |
| 50° | 4983.9 | 5021.9 | 4961.7 | 4958.6 | 4968.1 | 5023.4 | 4979.1 | 4991.8 | 4964.9 | 5020.3 |
| 52.5° | 5572.5 | 5627.8 | 5616.8 | 5635.8 | 5741.8 | 5855.7 | 5754.4 | 5710.1 | 5608.9 | 5626.3 |
| 55° | 6286.0 | 6369.9 | 6385.7 | 6499.6 | 6740.1 | 6972.7 | 6757.5 | 6578.7 | 6363.6 | 6324.0 |
| 57.5° | 7097.7 | 7164.1 | 7240.1 | 7472.7 | 7922.0 | 8335.0 | 7922.0 | 7526.5 | 7187.9 | 7107.2 |
| 60° | 7971.1 | 8053.3 | 8126.1 | 8469.5 | 9137.1 | 9717.8 | 9124.5 | 8496.4 | 8048.6 | 7939.4 |
| 62.5° | 8909.3 | 9015.3 | 9065.9 | 9447.2 | 10225.7 | 10918.7 | 10236.8 | 9475.7 | 8978.9 | 8861.8 |
| 65° | 9809.6 | 9896.6 | 9953.5 | 10360.2 | 11103.8 | 11798.4 | 11154.4 | 10404.5 | 9893.4 | 9740.0 |
| 67.5° | 10228.8 | 10276.3 | 10415.5 | 10876.0 | 11660.7 | 12453.4 | 11793.6 | 10925.0 | 10353.8 | 10084.9 |
| 70° | 9615.0 | 9518.4 | 9853.9 | 10591.2 | 11727.2 | 12855.3 | 11879.1 | 10569.0 | 9869.7 | 9433.0 |
| 72.5° | 7430.0 | 7263.8 | 7846.1 | 9107.1 | 10967.7 | 12599.0 | 11043.7 | 9178.3 | 8208.4 | 7322.4 |
| 75° | 4042.5 | 3854.2 | 4658.0 | 6252.8 | 8746.3 | 10920.3 | 8947.3 | 6431.6 | 5186.4 | 4012.4 |
| 77.5° | 1140.8 | 1069.6 | 1718.3 | 3025.1 | 5260.8 | 7667.3 | 5463.3 | 3091.6 | 2037.9 | 1208.8 |
| 80° | 349.7 | 338.6 | 458.8 | 911.3 | 2234.1 | 3672.3 | 2147.0 | 922.4 | 583.8 | 368.6 |
| 82.5° | 207.3 | 189.9 | 227.8 | 332.3 | 569.6 | 1153.4 | 553.8 | 346.5 | 278.5 | 186.7 |
| 85° | 118.7 | 110.8 | 134.5 | 161.4 | 191.4 | 245.2 | 159.8 | 164.5 | 148.7 | 99.7 |
| 87.5° | 49.0 | 44.3 | 52.2 | 50.6 | 44.3 | 57.0 | 42.7 | 50.6 | 60.1 | 39.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 2776.7 |
| 2767.2 |
| 2732.4 |
| 2694.5 |
| 2677.1 |
| 2677.1 |
| 2688.1 |
| 2708.7 |
| 2729.3 |
| 2738.8 |
| 2748.3 |
| 2772.0 |
| 2825.8 |
| 2909.6 |
| 3044.1 |
| 3230.8 |
| 3463.4 |
| 3759.3 |
| 4108.9 |
| 4507.7 |
| 4987.1 |
| 5567.7 |
| 6262.3 |
| 7050.2 |
| 7844.5 |
| 8766.9 |
| 9664.0 |
| 10088.0 |
| 9537.4 |
| 7542.3 |
| 4273.5 |
| 1343.3 |
| 389.2 |
| 202.5 |
| 104.4 |
| 36.4 |
| 0.0 |

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