

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: P954658

Luminaire Tested: **GLAN-SB7D-835-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7D-835-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70297 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

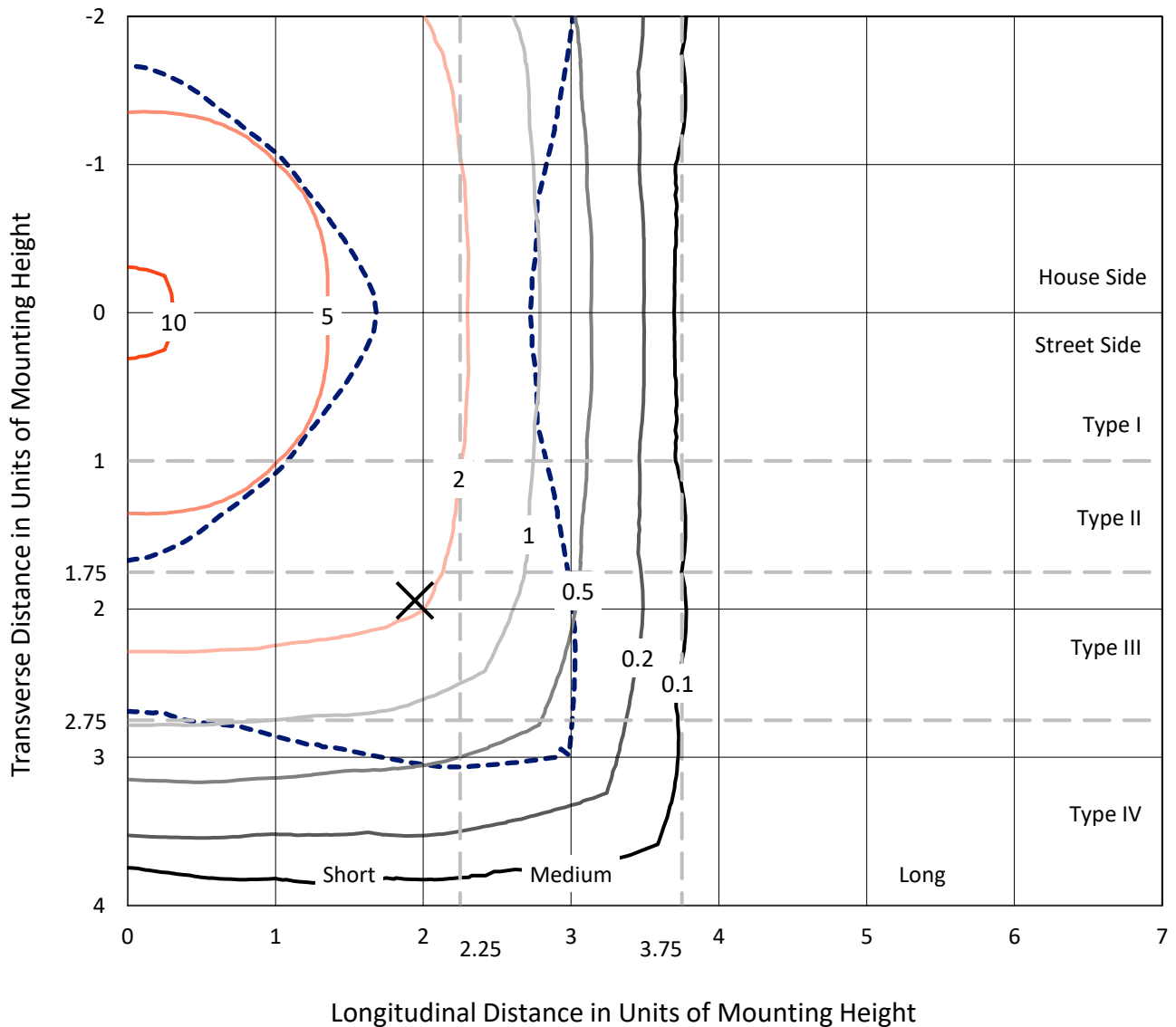
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

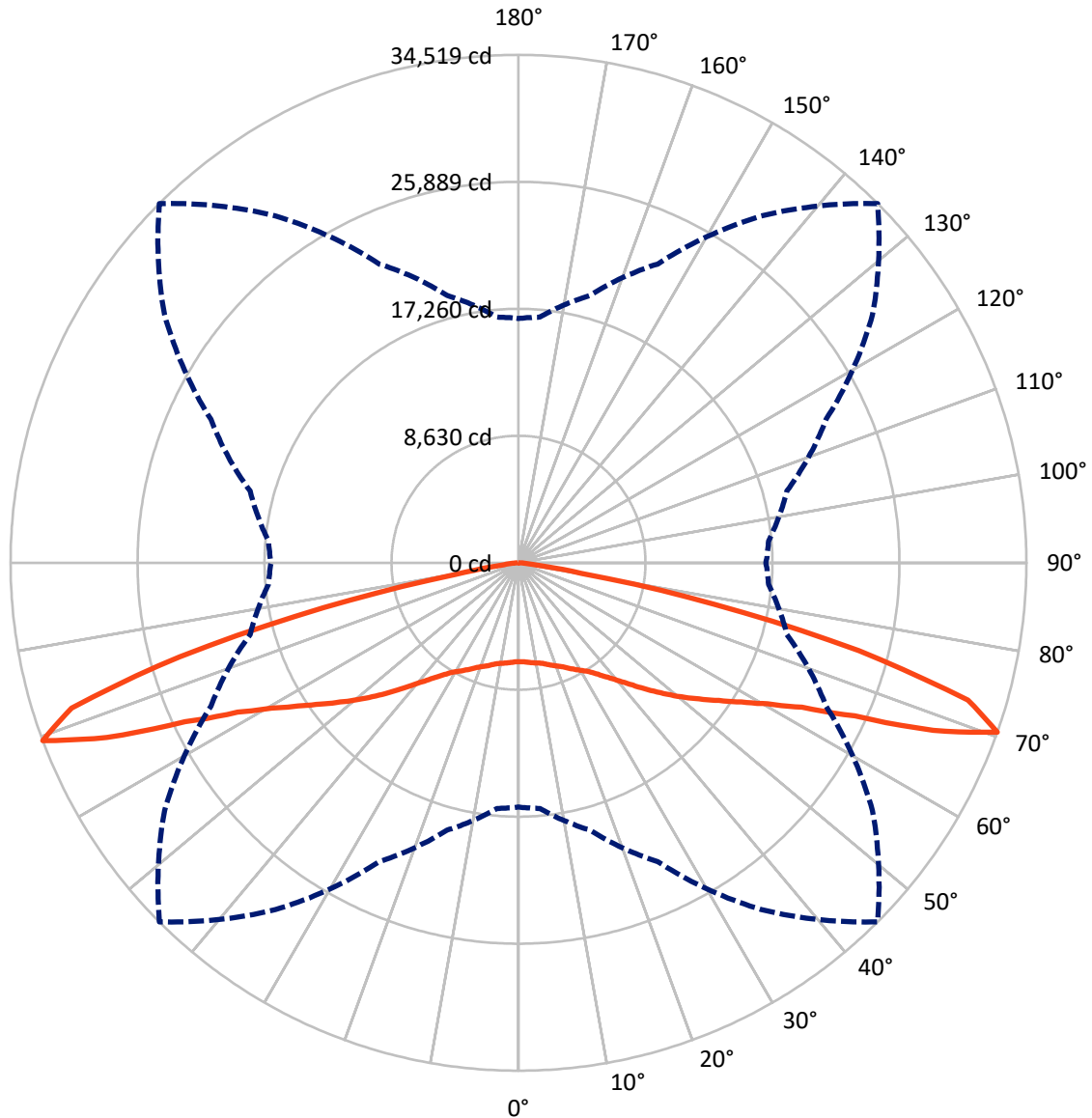
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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 | 35148.5 | 0.0 | 35148.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 35148.5 | 0.0 | 35148.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 70297.0 | 0.0 | 70297.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 654.2 | 0.9 |
| 10°-20° | 2028.5 | 2.9 |
| 20°-30° | 3625.2 | 5.2 |
| 30°-40° | 5876.5 | 8.4 |
| 40°-50° | 9571.8 | 13.6 |
| 50°-60° | 14593.8 | 20.8 |
| 60°-70° | 21710.9 | 30.9 |
| 70°-80° | 11833.1 | 16.8 |
| 80°-90° | 402.9 | 0.6 |
| 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° | 70297.0 | 100.0 |
| 0°-180° | 70297.0 | 100.0 |

Coefficient of Utilization



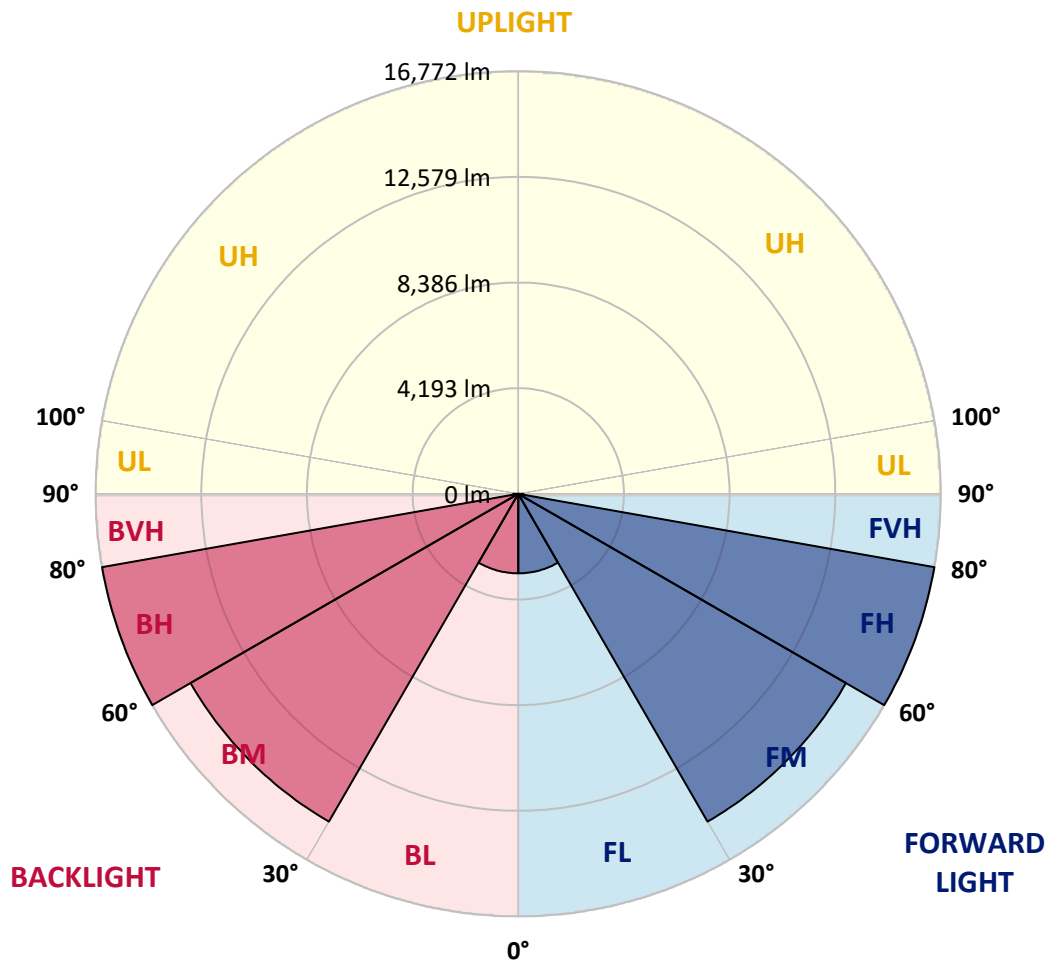
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 3154.0 | 4.5 | | | |
| FM (30°-60°) | 15021.0 | 21.4 | | | |
| FH (60°-80°) | 16772.0 | 23.9 | | | G5 |
| FVH (80°-90°) | 201.5 | 0.3 | | | G2/225 |
| BL (0°-30°) | 3154.0 | 4.5 | B4/5000 | | |
| BM (30°-60°) | 15021.0 | 21.4 | B5 | | |
| BH (60°-80°) | 16772.0 | 23.9 | B5 | | G5 |
| BVH (80°-90°) | 201.5 | 0.3 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 | 6733.7 |
| 2.5° | 6765.5 | 6772.5 | 6758.4 | 6751.4 | 6744.3 | 6733.7 | 6737.3 | 6754.9 | 6769.0 | 6765.5 |
| 5° | 6822.0 | 6829.0 | 6818.4 | 6814.9 | 6800.8 | 6797.3 | 6797.3 | 6814.9 | 6825.5 | 6818.4 |
| 7.5° | 6885.5 | 6896.1 | 6878.4 | 6874.9 | 6867.8 | 6860.8 | 6857.2 | 6874.9 | 6885.5 | 6885.5 |
| 10° | 6945.5 | 6956.1 | 6941.9 | 6931.4 | 6924.3 | 6924.3 | 6917.2 | 6931.4 | 6949.0 | 6945.5 |
| 12.5° | 7009.0 | 7016.1 | 7001.9 | 6994.9 | 6994.9 | 7005.5 | 6994.9 | 7001.9 | 7016.1 | 7009.0 |
| 15° | 7086.6 | 7090.2 | 7086.6 | 7097.2 | 7114.9 | 7150.2 | 7118.4 | 7111.4 | 7118.4 | 7100.8 |
| 17.5° | 7192.5 | 7199.6 | 7213.7 | 7238.4 | 7263.1 | 7326.6 | 7270.2 | 7252.5 | 7252.5 | 7217.2 |
| 20° | 7323.1 | 7333.7 | 7354.9 | 7397.2 | 7429.0 | 7489.0 | 7432.5 | 7407.8 | 7397.2 | 7351.3 |
| 22.5° | 7460.7 | 7478.4 | 7510.2 | 7566.6 | 7623.1 | 7679.6 | 7623.1 | 7580.7 | 7549.0 | 7489.0 |
| 25° | 7619.6 | 7640.7 | 7690.1 | 7781.9 | 7859.5 | 7940.7 | 7873.7 | 7789.0 | 7725.4 | 7640.7 |
| 27.5° | 7845.4 | 7870.1 | 7930.1 | 8043.1 | 8141.9 | 8212.5 | 8148.9 | 8039.5 | 7951.3 | 7849.0 |
| 30° | 8163.1 | 8187.8 | 8258.3 | 8378.3 | 8445.4 | 8491.3 | 8448.9 | 8364.2 | 8258.3 | 8141.9 |
| 32.5° | 8572.4 | 8604.2 | 8681.8 | 8794.8 | 8808.9 | 8816.0 | 8801.8 | 8759.5 | 8681.8 | 8540.7 |
| 35° | 9091.2 | 9126.5 | 9214.8 | 9306.5 | 9292.4 | 9306.5 | 9285.3 | 9271.2 | 9214.8 | 9052.4 |
| 37.5° | 9726.5 | 9768.8 | 9860.6 | 9931.2 | 9895.9 | 9878.2 | 9881.8 | 9885.3 | 9853.5 | 9673.6 |
| 40° | 10464.1 | 10520.6 | 10587.6 | 10661.7 | 10601.7 | 10548.8 | 10584.1 | 10612.3 | 10584.1 | 10400.6 |
| 42.5° | 11222.9 | 11304.0 | 11374.6 | 11480.5 | 11431.1 | 11364.0 | 11413.5 | 11445.2 | 11385.2 | 11187.6 |
| 45° | 12066.4 | 12144.0 | 12235.8 | 12394.6 | 12359.3 | 12288.7 | 12359.3 | 12366.3 | 12264.0 | 12031.1 |
| 47.5° | 12938.1 | 13019.2 | 13156.9 | 13368.6 | 13354.5 | 13276.9 | 13368.6 | 13319.2 | 13188.6 | 12909.8 |
| 50° | 13763.9 | 13876.8 | 14088.6 | 14385.0 | 14413.3 | 14318.0 | 14441.5 | 14346.2 | 14127.4 | 13778.0 |
| 52.5° | 14540.3 | 14660.3 | 14995.6 | 15397.9 | 15500.3 | 15376.8 | 15542.6 | 15376.8 | 15048.5 | 14600.3 |
| 55° | 15355.6 | 15489.7 | 15888.5 | 16414.3 | 16619.0 | 16527.3 | 16682.6 | 16432.0 | 15966.1 | 15422.6 |
| 57.5° | 16315.5 | 16396.7 | 16873.1 | 17497.8 | 17843.7 | 17864.8 | 17935.4 | 17511.9 | 16947.2 | 16329.6 |
| 60° | 17356.6 | 17469.6 | 17988.4 | 18736.6 | 19283.6 | 19460.0 | 19385.9 | 18757.7 | 18101.3 | 17391.9 |
| 62.5° | 18690.7 | 18814.2 | 19435.3 | 20331.8 | 21196.4 | 21634.0 | 21344.6 | 20434.1 | 19622.4 | 18771.8 |
| 65° | 19795.3 | 19933.0 | 21055.2 | 22654.0 | 24228.0 | 25106.8 | 24379.8 | 22703.4 | 21242.3 | 20042.4 |
| 67.5° | 18994.2 | 19163.6 | 20924.7 | 23861.0 | 27774.9 | 30397.1 | 27909.0 | 24220.9 | 21358.8 | 19731.8 |
| 70° | 16601.4 | 16760.2 | 18814.2 | 22403.4 | 28773.6 | 34519.2 | 29373.6 | 23063.4 | 18881.3 | 17060.2 |
| 72.5° | 11021.7 | 11533.4 | 13612.1 | 17917.8 | 25692.6 | 31942.8 | 25946.7 | 17554.3 | 12627.5 | 10997.0 |
| 75° | 3656.3 | 4065.6 | 5484.4 | 9288.9 | 17208.4 | 23889.2 | 16382.6 | 8219.5 | 4344.5 | 3126.9 |
| 77.5° | 921.1 | 1062.3 | 1464.6 | 2657.5 | 6864.3 | 13601.6 | 6179.6 | 2170.5 | 1182.3 | 825.8 |
| 80° | 448.2 | 494.1 | 705.8 | 885.8 | 1718.7 | 4323.3 | 1612.8 | 832.9 | 557.6 | 430.6 |
| 82.5° | 247.0 | 250.6 | 398.8 | 501.1 | 638.8 | 1118.8 | 663.5 | 487.0 | 321.2 | 261.2 |
| 85° | 151.8 | 148.2 | 211.8 | 268.2 | 268.2 | 398.8 | 317.6 | 268.2 | 183.5 | 162.3 |
| 87.5° | 60.0 | 60.0 | 77.6 | 84.7 | 74.1 | 102.3 | 81.2 | 88.2 | 70.6 | 67.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

| 90° |
|---------|
| 6733.7 |
| 6769.0 |
| 6822.0 |
| 6885.5 |
| 6945.5 |
| 7005.5 |
| 7100.8 |
| 7217.2 |
| 7351.3 |
| 7485.4 |
| 7637.2 |
| 7845.4 |
| 8141.9 |
| 8544.2 |
| 9052.4 |
| 9673.6 |
| 10400.6 |
| 11201.7 |
| 12055.8 |
| 12892.2 |
| 13771.0 |
| 14558.0 |
| 15348.5 |
| 16244.9 |
| 17279.0 |
| 18623.6 |
| 19844.7 |
| 19488.3 |
| 16816.7 |
| 10640.6 |
| 2957.5 |
| 737.6 |
| 395.3 |
| 261.2 |
| 169.4 |
| 70.6 |
| 0.0 |

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