

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: P944143

Luminaire Tested: **GLAN-SB8D-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56627 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

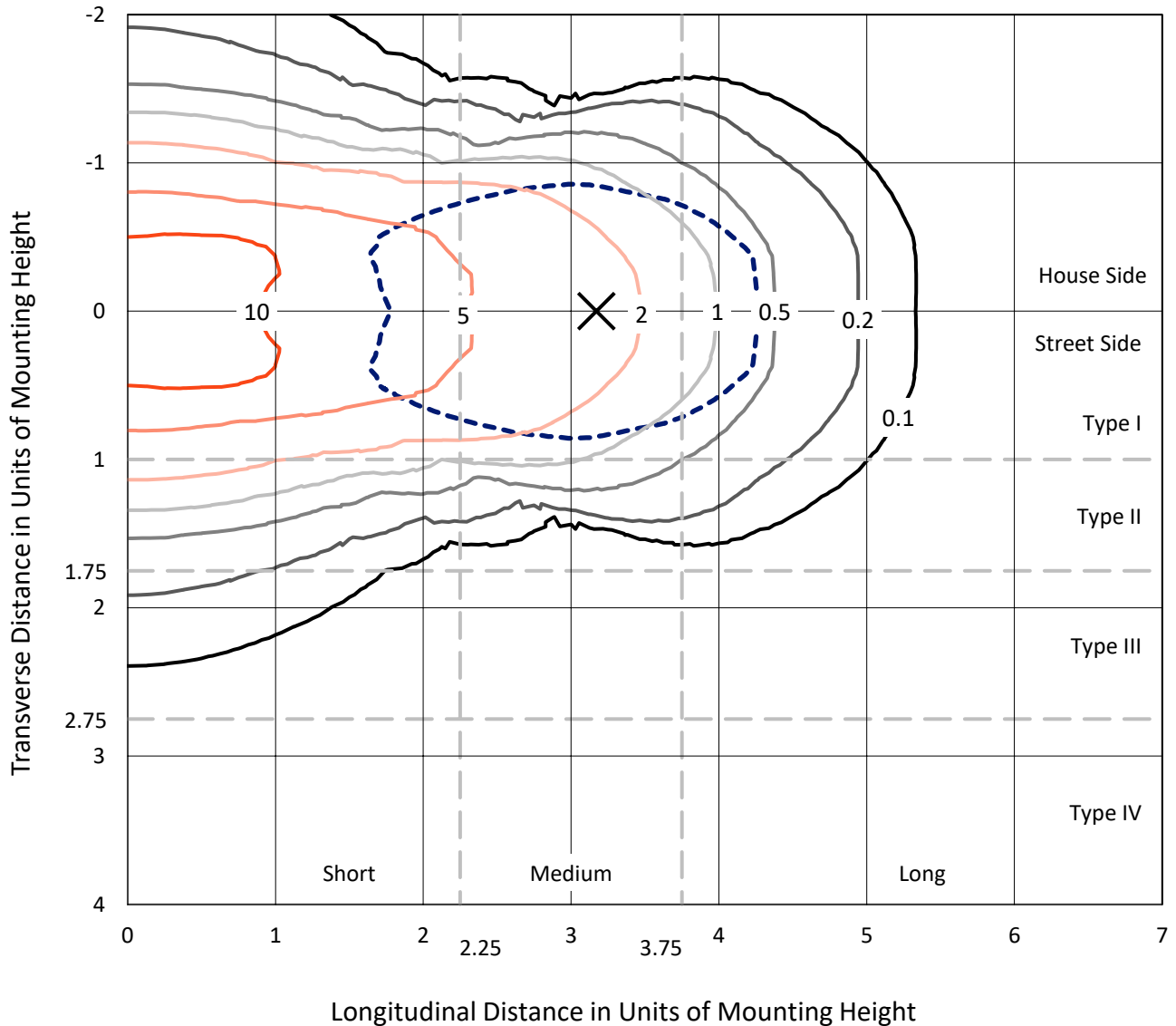
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

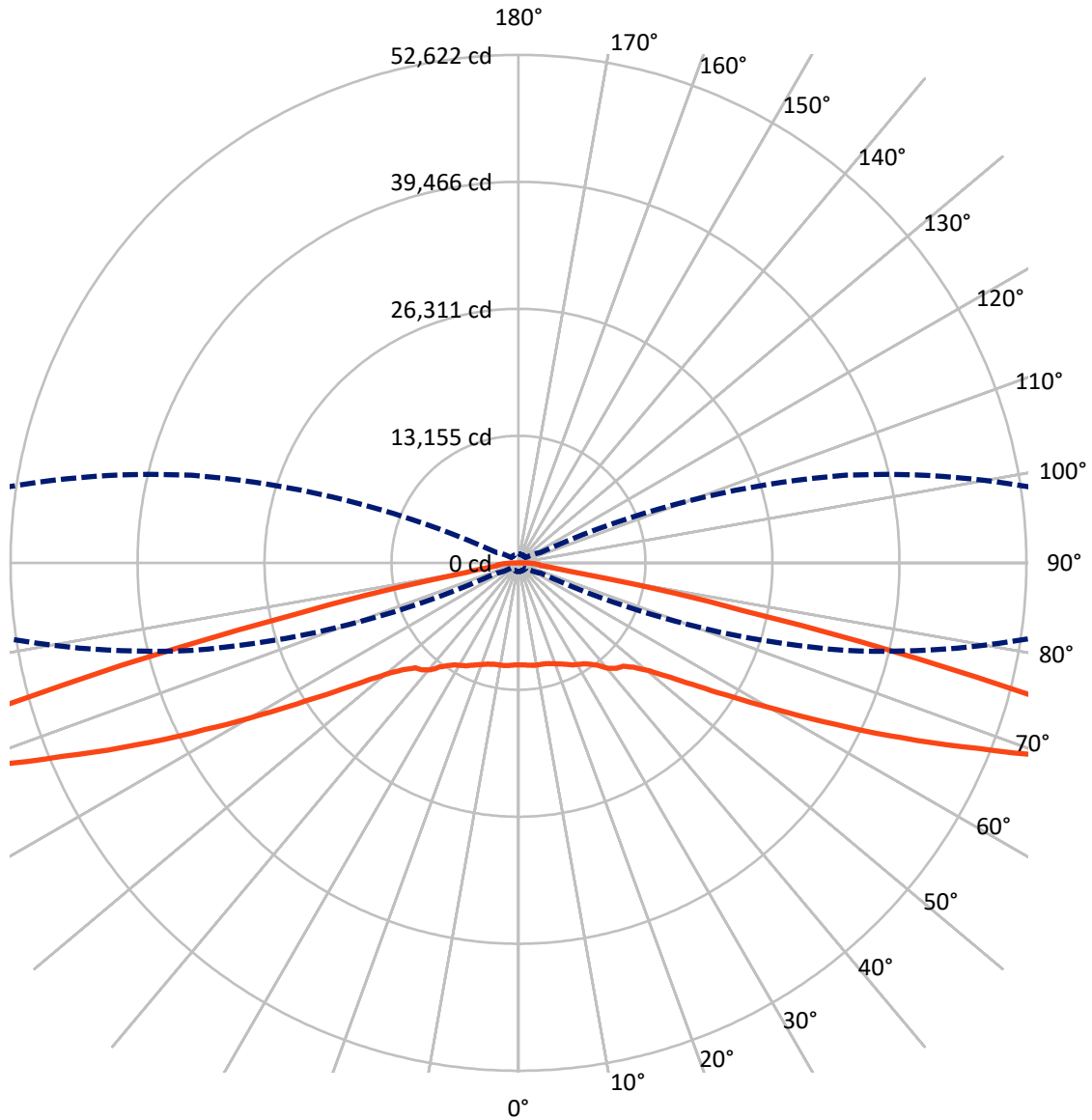
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 28313.5 | 0.0 | 28313.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 28313.5 | 0.0 | 28313.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 56627.0 | 0.0 | 56627.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1026.0 | 1.8 |
| 10°-20° | 3137.1 | 5.5 |
| 20°-30° | 5230.8 | 9.2 |
| 30°-40° | 7193.9 | 12.7 |
| 40°-50° | 8785.8 | 15.5 |
| 50°-60° | 10161.7 | 17.9 |
| 60°-70° | 12116.1 | 21.4 |
| 70°-80° | 8456.3 | 14.9 |
| 80°-90° | 519.4 | 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° | 56627.0 | 100.0 |
| 0°-180° | 56627.0 | 100.0 |

Coefficient of Utilization

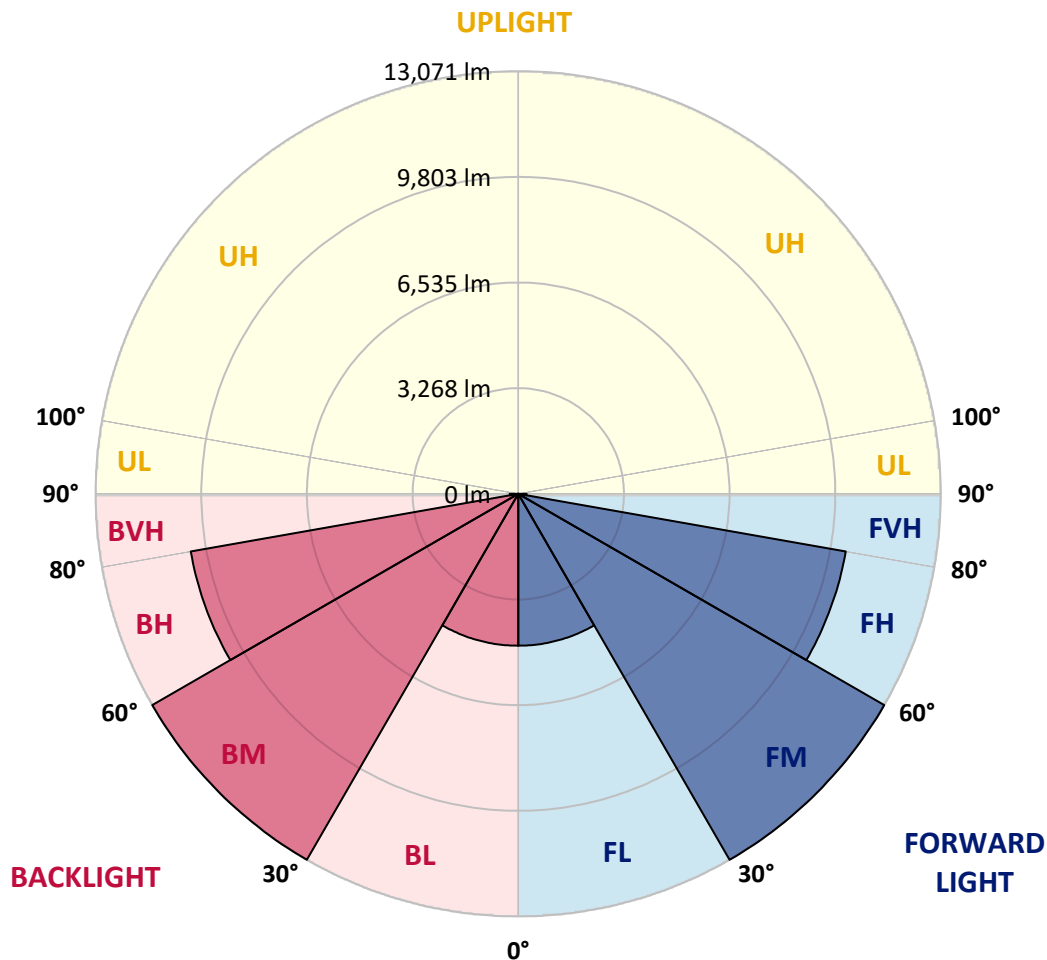


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 4696.9 | 8.3 | | | |
| FM (30°-60°) | 13070.7 | 23.1 | | | |
| FH (60°-80°) | 10286.2 | 18.2 | | | G4/12000 |
| FVH (80°-90°) | 259.7 | 0.5 | | | G3/500 |
| BL (0°-30°) | 4696.9 | 8.3 | B4/5000 | | |
| BM (30°-60°) | 13070.7 | 23.1 | B5 | | |
| BH (60°-80°) | 10286.2 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 259.7 | 0.5 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 | 10581.4 |
| 2.5° | 10590.4 | 10602.4 | 10602.4 | 10593.4 | 10614.5 | 10596.4 | 10596.4 | 10587.4 | 10596.4 | 10587.4 |
| 5° | 10644.6 | 10659.6 | 10665.6 | 10662.6 | 10689.7 | 10674.6 | 10674.6 | 10662.6 | 10665.6 | 10656.6 |
| 7.5° | 10746.9 | 10767.9 | 10780.0 | 10795.0 | 10834.1 | 10816.1 | 10804.1 | 10767.9 | 10752.9 | 10728.8 |
| 10° | 10780.0 | 10804.1 | 10843.2 | 10921.4 | 11011.7 | 11014.7 | 10978.6 | 10888.3 | 10819.1 | 10764.9 |
| 12.5° | 10677.7 | 10710.8 | 10792.0 | 10951.5 | 11153.2 | 11234.4 | 11177.2 | 11026.8 | 10891.3 | 10795.0 |
| 15° | 10548.2 | 10584.4 | 10707.8 | 10948.5 | 11246.4 | 11436.0 | 11430.0 | 11231.4 | 11014.7 | 10864.2 |
| 17.5° | 10346.6 | 10382.7 | 10560.3 | 10897.3 | 11318.7 | 11631.7 | 11715.9 | 11511.3 | 11207.3 | 11005.7 |
| 20° | 9982.5 | 10015.6 | 10262.3 | 10734.8 | 11342.8 | 11839.3 | 12059.0 | 11878.4 | 11499.2 | 11225.4 |
| 22.5° | 9510.0 | 9561.1 | 9850.0 | 10455.0 | 11285.6 | 12056.0 | 12450.2 | 12326.9 | 11839.3 | 11460.1 |
| 25° | 9004.4 | 9058.6 | 9395.6 | 10111.9 | 11138.1 | 12212.5 | 12913.7 | 12835.5 | 12224.5 | 11752.0 |
| 27.5° | 8568.0 | 8625.2 | 8992.3 | 9771.8 | 10909.4 | 12272.7 | 13371.1 | 13410.3 | 12691.0 | 12074.1 |
| 30° | 8224.9 | 8279.1 | 8670.3 | 9497.9 | 10614.5 | 12212.5 | 13771.4 | 14042.3 | 13166.5 | 12353.9 |
| 32.5° | 7848.7 | 7918.0 | 8330.3 | 9163.9 | 10265.4 | 12068.0 | 14120.5 | 14725.4 | 13717.2 | 12654.9 |
| 35° | 7373.2 | 7436.4 | 7869.8 | 8706.4 | 9807.9 | 11836.3 | 14412.4 | 15483.8 | 14505.7 | 13112.3 |
| 37.5° | 6795.4 | 6855.6 | 7286.0 | 8134.6 | 9353.5 | 11511.3 | 14635.1 | 16338.5 | 15444.7 | 13771.4 |
| 40° | 6214.6 | 6271.8 | 6675.0 | 7496.6 | 8808.8 | 11096.0 | 14713.4 | 17175.1 | 16522.1 | 14677.3 |
| 42.5° | 5681.9 | 5733.1 | 6103.2 | 6867.6 | 8197.8 | 10566.3 | 14611.1 | 17903.4 | 17488.1 | 15309.3 |
| 45° | 5191.4 | 5236.5 | 5564.5 | 6277.8 | 7562.8 | 9922.3 | 14304.1 | 18685.9 | 18637.7 | 15760.7 |
| 47.5° | 4631.6 | 4676.7 | 5016.8 | 5706.0 | 6927.8 | 9166.9 | 13783.4 | 19456.3 | 20235.8 | 16783.9 |
| 50° | 3948.4 | 3987.6 | 4336.7 | 5046.9 | 6268.8 | 8363.4 | 13061.2 | 20061.2 | 22252.1 | 18333.8 |
| 52.5° | 3138.9 | 3181.0 | 3521.1 | 4231.3 | 5486.3 | 7499.6 | 12110.2 | 20455.5 | 24581.5 | 20596.9 |
| 55° | 2335.4 | 2365.5 | 2660.4 | 3298.4 | 4517.2 | 6515.5 | 10918.4 | 20566.8 | 27223.8 | 23690.7 |
| 57.5° | 1694.3 | 1712.4 | 1902.0 | 2377.5 | 3424.8 | 5284.7 | 9470.9 | 20277.9 | 30368.7 | 27657.2 |
| 60° | 1372.3 | 1378.3 | 1435.5 | 1646.2 | 2380.5 | 3894.3 | 7722.3 | 19284.8 | 33781.5 | 32770.3 |
| 62.5° | 1245.9 | 1245.9 | 1261.0 | 1318.2 | 1610.1 | 2570.1 | 5606.7 | 17226.3 | 37441.0 | 39231.7 |
| 65° | 1158.7 | 1158.7 | 1164.7 | 1191.8 | 1270.0 | 1637.2 | 3539.2 | 13873.7 | 40525.7 | 46800.5 |
| 67.5° | 1080.4 | 1083.4 | 1080.4 | 1089.4 | 1134.6 | 1209.8 | 2052.5 | 9582.2 | 42187.0 | 54643.2 |
| 70° | 999.1 | 1005.2 | 990.1 | 990.1 | 1026.2 | 1029.2 | 1285.1 | 5254.6 | 40808.6 | 61216.0 |
| 72.5° | 902.8 | 911.9 | 887.8 | 881.8 | 908.9 | 896.8 | 966.0 | 2521.9 | 35036.4 | 63178.1 |
| 75° | 818.6 | 830.6 | 776.4 | 761.4 | 761.4 | 752.4 | 785.5 | 1294.1 | 22739.7 | 51537.4 |
| 77.5° | 743.3 | 767.4 | 680.1 | 632.0 | 620.0 | 592.9 | 641.0 | 791.5 | 9946.4 | 24196.3 |
| 80° | 613.9 | 647.0 | 559.8 | 502.6 | 481.5 | 451.4 | 505.6 | 553.7 | 2958.3 | 5618.7 |
| 82.5° | 457.4 | 472.5 | 397.3 | 358.1 | 340.1 | 319.0 | 379.2 | 385.2 | 963.0 | 1989.3 |
| 85° | 291.9 | 297.9 | 243.8 | 210.7 | 201.6 | 192.6 | 240.8 | 210.7 | 367.2 | 1462.6 |
| 87.5° | 102.3 | 117.4 | 93.3 | 84.3 | 90.3 | 75.2 | 111.4 | 63.2 | 102.3 | 1032.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

10581.4
10587.4
10656.6
10728.8
10755.9
10780.0
10840.2
10972.6
11174.2
11390.9
11655.7
11971.7
12206.5
12468.3
12904.7
13494.5
14382.3
14930.1
15249.1
16194.0
17593.5
19685.0
22550.1
26221.7
30961.6
36809.0
43736.9
51335.8
60346.2
65465.3
55124.8
23693.7
5381.0
2248.1
2124.7
1279.0
0.0

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