

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: P848544

Luminaire Tested: **GLAN-SB5A-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5A-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15123 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

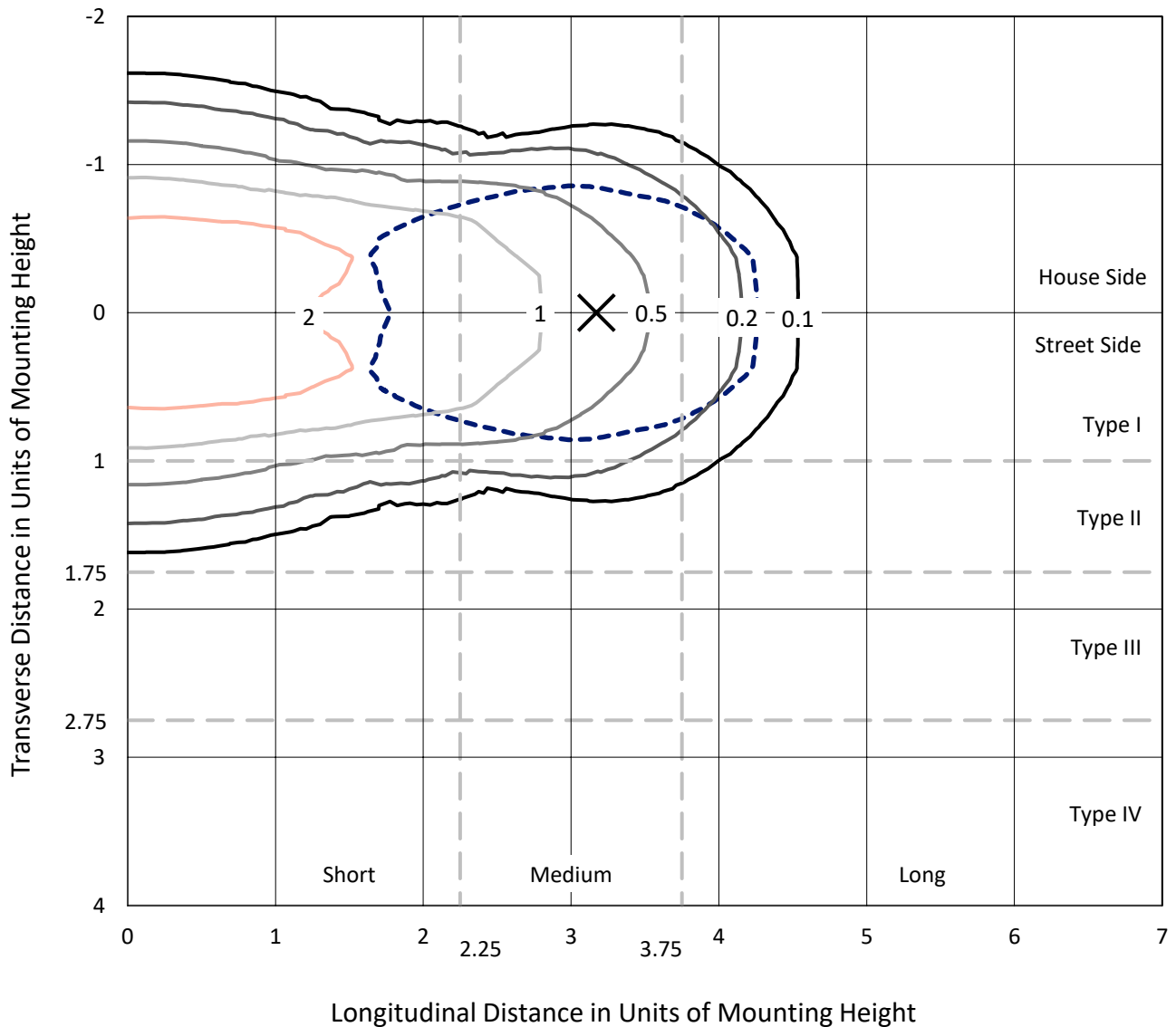
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

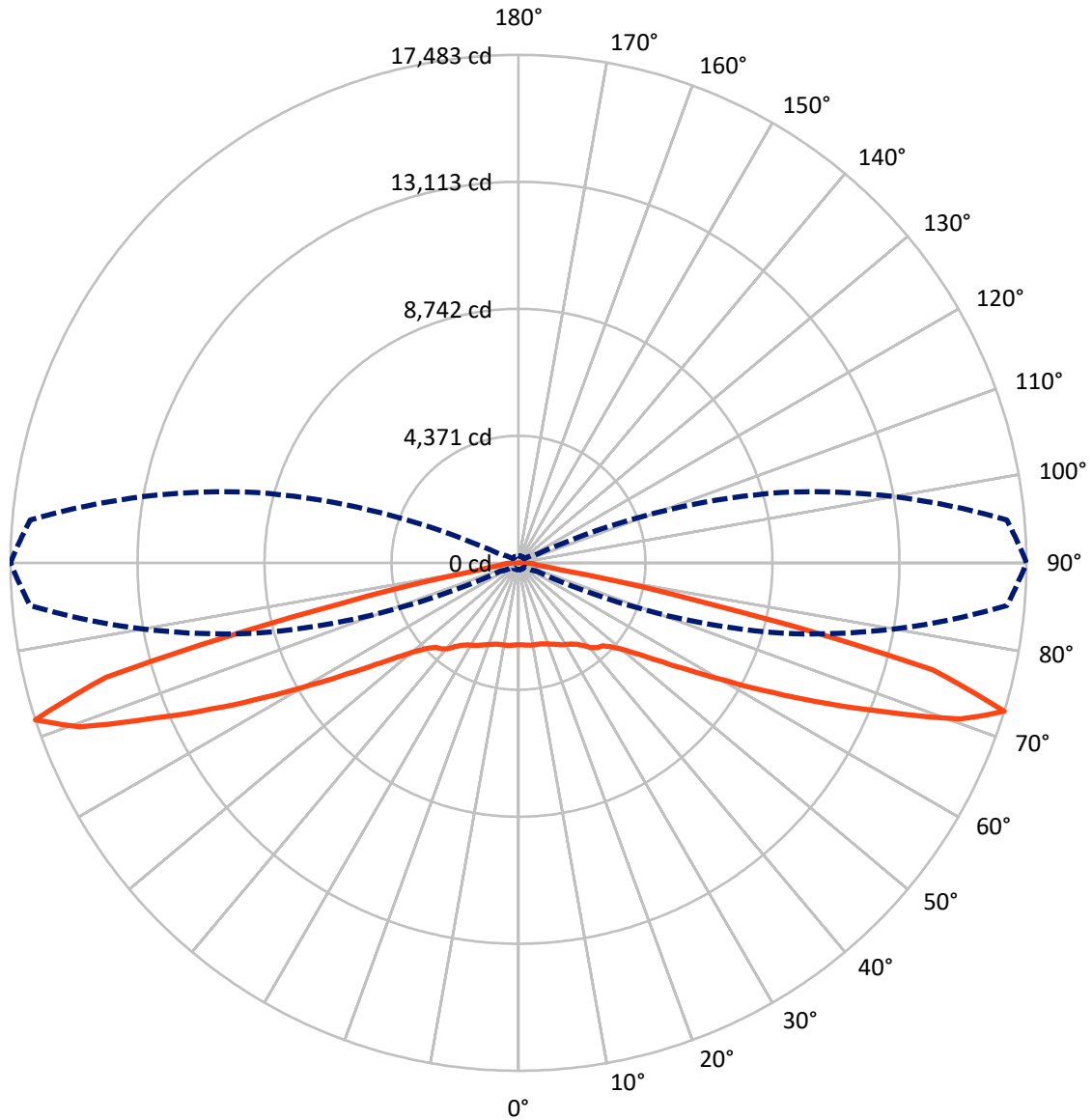
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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 | 7561.5 | 0.0 | 7561.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7561.5 | 0.0 | 7561.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 15123.0 | 0.0 | 15123.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 274.0 | 1.8 |
| 10°-20° | 837.8 | 5.5 |
| 20°-30° | 1396.9 | 9.2 |
| 30°-40° | 1921.2 | 12.7 |
| 40°-50° | 2346.4 | 15.5 |
| 50°-60° | 2713.8 | 17.9 |
| 60°-70° | 3235.8 | 21.4 |
| 70°-80° | 2258.4 | 14.9 |
| 80°-90° | 138.7 | 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° | 15123.0 | 100.0 |
| 0°-180° | 15123.0 | 100.0 |

Coefficient of Utilization



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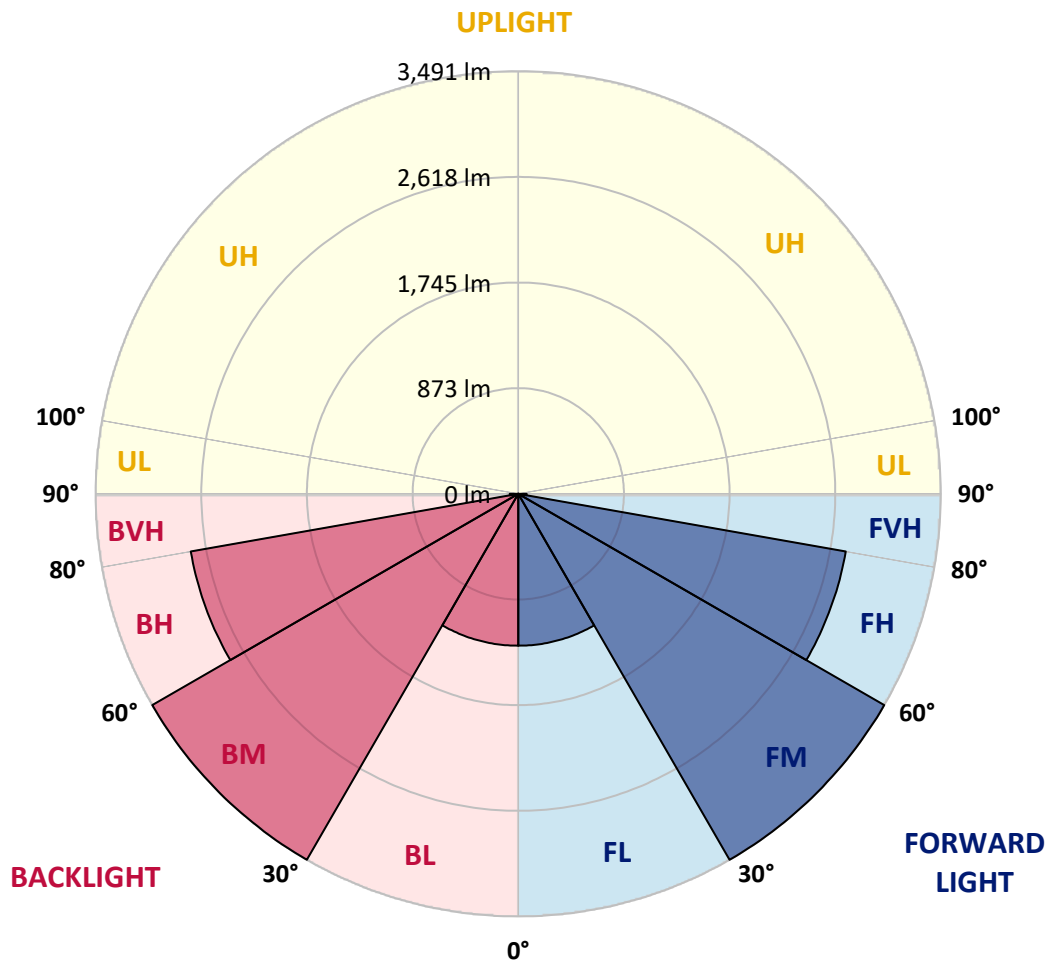
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1254.4 | 8.3 | | | |
| FM (30°-60°) | 3490.7 | 23.1 | | | |
| FH (60°-80°) | 2747.1 | 18.2 | | | G2/5000 |
| FVH (80°-90°) | 69.4 | 0.5 | | | G1/100 |
| BL (0°-30°) | 1254.4 | 8.3 | B3/2500 | | |
| BM (30°-60°) | 3490.7 | 23.1 | B3/5000 | | |
| BH (60°-80°) | 2747.1 | 18.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 69.4 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 | 2825.9 |
| 2.5° | 2828.3 | 2831.5 | 2831.5 | 2829.1 | 2834.7 | 2829.9 | 2829.9 | 2827.5 | 2829.9 | 2827.5 |
| 5° | 2842.8 | 2846.8 | 2848.4 | 2847.6 | 2854.8 | 2850.8 | 2850.8 | 2847.6 | 2848.4 | 2846.0 |
| 7.5° | 2870.1 | 2875.7 | 2878.9 | 2883.0 | 2893.4 | 2888.6 | 2885.4 | 2875.7 | 2871.7 | 2865.3 |
| 10° | 2878.9 | 2885.4 | 2895.8 | 2916.7 | 2940.8 | 2941.6 | 2932.0 | 2907.9 | 2889.4 | 2874.9 |
| 12.5° | 2851.6 | 2860.5 | 2882.2 | 2924.8 | 2978.6 | 3000.3 | 2985.0 | 2944.8 | 2908.7 | 2883.0 |
| 15° | 2817.1 | 2826.7 | 2859.6 | 2923.9 | 3003.5 | 3054.1 | 3052.5 | 2999.5 | 2941.6 | 2901.4 |
| 17.5° | 2763.2 | 2772.8 | 2820.3 | 2910.3 | 3022.8 | 3106.4 | 3128.9 | 3074.2 | 2993.1 | 2939.2 |
| 20° | 2666.0 | 2674.8 | 2740.7 | 2866.9 | 3029.2 | 3161.8 | 3220.5 | 3172.3 | 3071.0 | 2997.9 |
| 22.5° | 2539.8 | 2553.4 | 2630.6 | 2792.1 | 3014.0 | 3219.7 | 3325.0 | 3292.1 | 3161.8 | 3060.6 |
| 25° | 2404.7 | 2419.2 | 2509.2 | 2700.5 | 2974.6 | 3261.5 | 3448.8 | 3427.9 | 3264.7 | 3138.5 |
| 27.5° | 2288.2 | 2303.5 | 2401.5 | 2609.7 | 2913.5 | 3277.6 | 3570.9 | 3581.4 | 3389.3 | 3224.5 |
| 30° | 2196.6 | 2211.0 | 2315.5 | 2536.6 | 2834.7 | 3261.5 | 3677.8 | 3750.2 | 3516.3 | 3299.3 |
| 32.5° | 2096.1 | 2114.6 | 2224.7 | 2447.3 | 2741.5 | 3222.9 | 3771.1 | 3932.6 | 3663.4 | 3379.7 |
| 35° | 1969.1 | 1986.0 | 2101.7 | 2325.2 | 2619.3 | 3161.0 | 3849.0 | 4135.2 | 3873.9 | 3501.8 |
| 37.5° | 1814.8 | 1830.9 | 1945.8 | 2172.5 | 2498.0 | 3074.2 | 3908.5 | 4363.4 | 4124.7 | 3677.8 |
| 40° | 1659.7 | 1675.0 | 1782.7 | 2002.1 | 2352.5 | 2963.3 | 3929.4 | 4586.9 | 4412.4 | 3919.8 |
| 42.5° | 1517.4 | 1531.1 | 1630.0 | 1834.1 | 2189.3 | 2821.9 | 3902.1 | 4781.4 | 4670.4 | 4088.5 |
| 45° | 1386.4 | 1398.5 | 1486.1 | 1676.6 | 2019.8 | 2649.9 | 3820.1 | 4990.3 | 4977.5 | 4209.1 |
| 47.5° | 1236.9 | 1249.0 | 1339.8 | 1523.9 | 1850.2 | 2448.1 | 3681.1 | 5196.1 | 5404.2 | 4482.4 |
| 50° | 1054.5 | 1064.9 | 1158.2 | 1347.8 | 1674.2 | 2233.5 | 3488.2 | 5357.6 | 5942.7 | 4896.3 |
| 52.5° | 838.3 | 849.5 | 940.4 | 1130.0 | 1465.2 | 2002.9 | 3234.2 | 5462.9 | 6564.8 | 5500.7 |
| 55° | 623.7 | 631.7 | 710.5 | 880.9 | 1206.4 | 1740.1 | 2915.9 | 5492.6 | 7270.5 | 6326.9 |
| 57.5° | 452.5 | 457.3 | 508.0 | 634.9 | 914.6 | 1411.3 | 2529.3 | 5415.5 | 8110.4 | 7386.2 |
| 60° | 366.5 | 368.1 | 383.4 | 439.6 | 635.7 | 1040.0 | 2062.4 | 5150.3 | 9021.8 | 8751.7 |
| 62.5° | 332.7 | 332.7 | 336.8 | 352.0 | 430.0 | 686.4 | 1497.3 | 4600.5 | 9999.1 | 10477.3 |
| 65° | 309.4 | 309.4 | 311.0 | 318.3 | 339.2 | 437.2 | 945.2 | 3705.2 | 10822.9 | 12498.7 |
| 67.5° | 288.5 | 289.3 | 288.5 | 290.9 | 303.0 | 323.1 | 548.1 | 2559.1 | 11266.6 | 14593.2 |
| 70° | 266.8 | 268.4 | 264.4 | 264.4 | 274.1 | 274.9 | 343.2 | 1403.3 | 10898.5 | 16348.5 |
| 72.5° | 241.1 | 243.5 | 237.1 | 235.5 | 242.7 | 239.5 | 258.0 | 673.5 | 9357.0 | 16872.6 |
| 75° | 218.6 | 221.8 | 207.4 | 203.3 | 203.3 | 200.9 | 209.8 | 345.6 | 6072.9 | 13763.8 |
| 77.5° | 198.5 | 204.9 | 181.6 | 168.8 | 165.6 | 158.3 | 171.2 | 211.4 | 2656.3 | 6461.9 |
| 80° | 164.0 | 172.8 | 149.5 | 134.2 | 128.6 | 120.6 | 135.0 | 147.9 | 790.1 | 1500.6 |
| 82.5° | 122.2 | 126.2 | 106.1 | 95.6 | 90.8 | 85.2 | 101.3 | 102.9 | 257.2 | 531.3 |
| 85° | 78.0 | 79.6 | 65.1 | 56.3 | 53.8 | 51.4 | 64.3 | 56.3 | 98.1 | 390.6 |
| 87.5° | 27.3 | 31.3 | 24.9 | 22.5 | 24.1 | 20.1 | 29.7 | 16.9 | 27.3 | 275.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

2825.9
2827.5
2846.0
2865.3
2872.5
2878.9
2895.0
2930.4
2984.2
3042.1
3112.8
3197.2
3259.9
3329.8
3446.4
3603.9
3841.0
3987.3
4072.5
4324.8
4698.6
5257.2
6022.3
7002.8
8268.7
9830.3
11680.5
13709.9
16116.3
17483.4
14721.8
6327.7
1437.1
600.4
567.4
341.6
0.0

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