

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: P851264

Luminaire Tested: **GLAN-SB9A-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851264
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-SB9A-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 27269 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

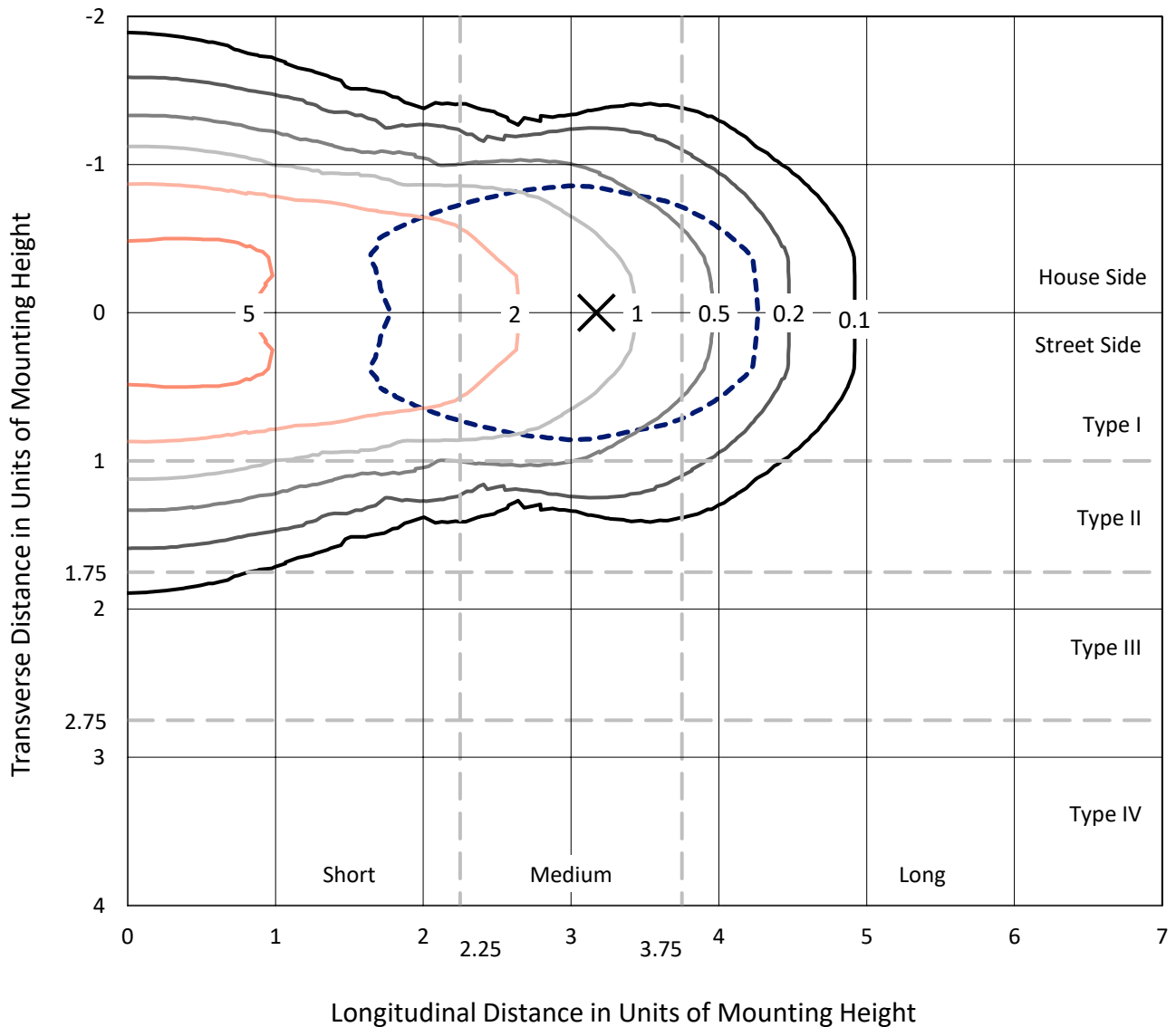
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

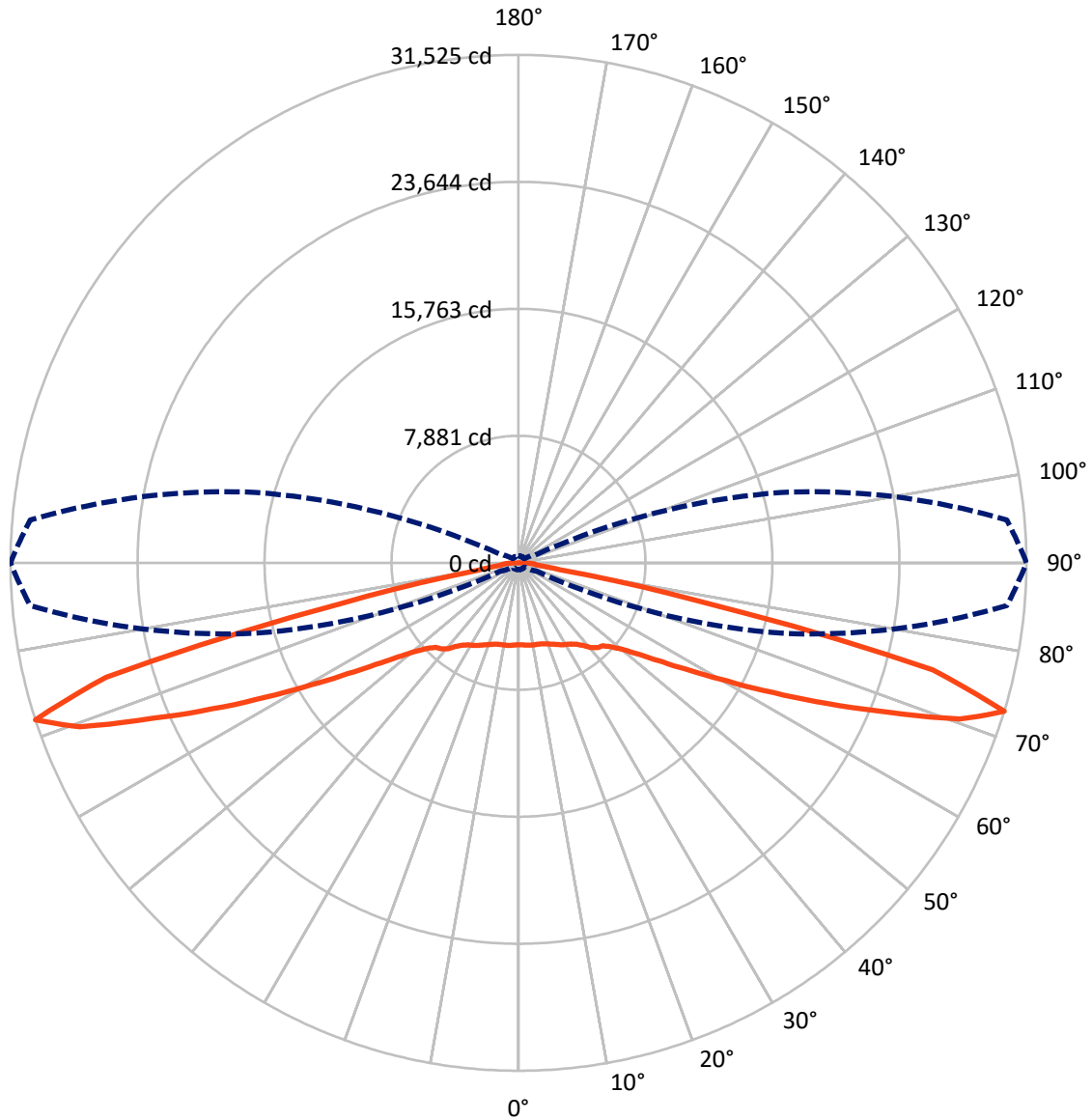
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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 | 13634.5 | 0.0 | 13634.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 13634.5 | 0.0 | 13634.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 27269.0 | 0.0 | 27269.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 494.1 | 1.8 |
| 10°-20° | 1510.7 | 5.5 |
| 20°-30° | 2518.9 | 9.2 |
| 30°-40° | 3464.3 | 12.7 |
| 40°-50° | 4230.8 | 15.5 |
| 50°-60° | 4893.4 | 17.9 |
| 60°-70° | 5834.6 | 21.4 |
| 70°-80° | 4072.2 | 14.9 |
| 80°-90° | 250.1 | 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° | 27269.0 | 100.0 |
| 0°-180° | 27269.0 | 100.0 |

Coefficient of Utilization

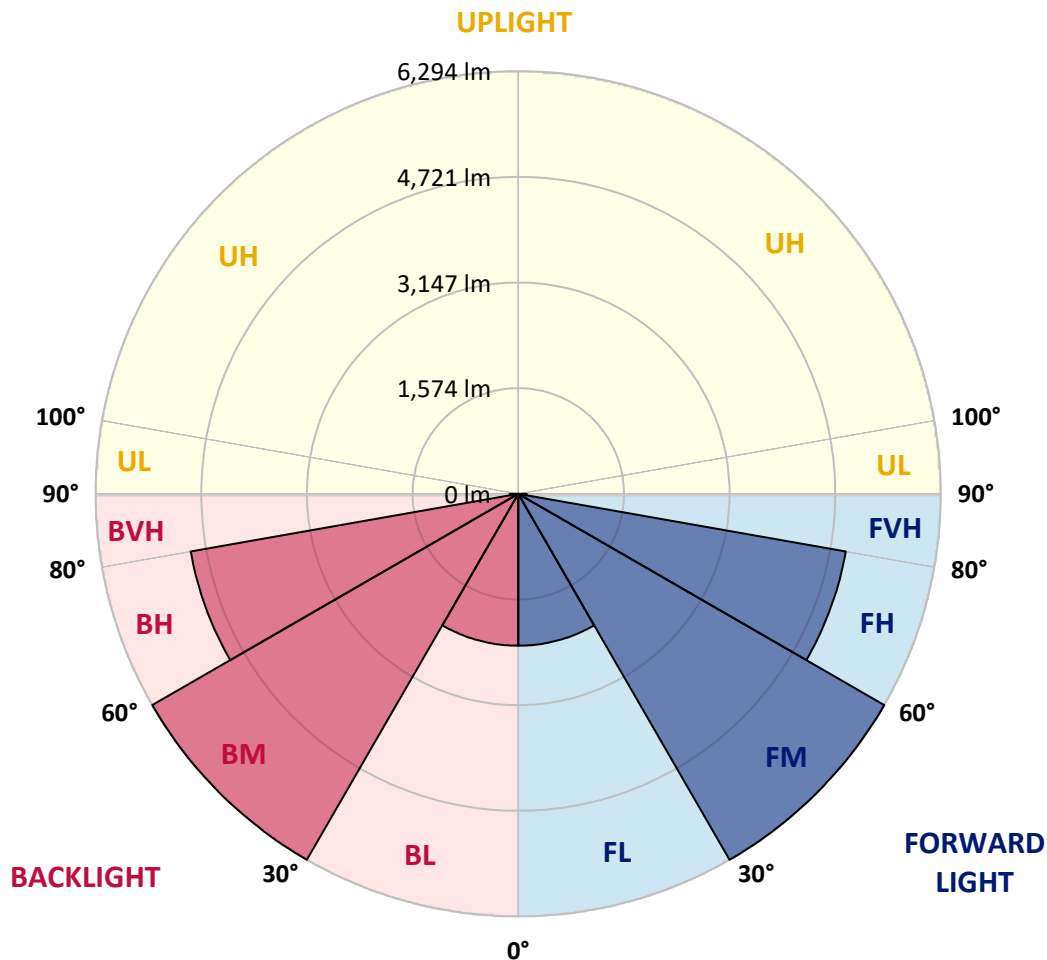


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2261.8 | 8.3 | | | |
| FM (30°-60°) | 6294.3 | 23.1 | | | |
| FH (60°-80°) | 4953.4 | 18.2 | | | G2/5000 |
| FVH (80°-90°) | 125.1 | 0.5 | | | G2/225 |
| BL (0°-30°) | 2261.8 | 8.3 | B3/2500 | | |
| BM (30°-60°) | 6294.3 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 4953.4 | 18.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 125.1 | 0.5 | | | G2/225 |
| 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° | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 | 5095.5 |
| 2.5° | 5099.8 | 5105.6 | 5105.6 | 5101.3 | 5111.4 | 5102.7 | 5102.7 | 5098.4 | 5102.7 | 5098.4 |
| 5° | 5125.9 | 5133.2 | 5136.1 | 5134.6 | 5147.7 | 5140.4 | 5140.4 | 5134.6 | 5136.1 | 5131.7 |
| 7.5° | 5175.2 | 5185.4 | 5191.1 | 5198.4 | 5217.2 | 5208.5 | 5202.7 | 5185.4 | 5178.1 | 5166.5 |
| 10° | 5191.1 | 5202.7 | 5221.6 | 5259.3 | 5302.7 | 5304.2 | 5286.8 | 5243.3 | 5210.0 | 5183.9 |
| 12.5° | 5141.9 | 5157.8 | 5196.9 | 5273.8 | 5370.9 | 5410.0 | 5382.4 | 5310.0 | 5244.8 | 5198.4 |
| 15° | 5079.6 | 5096.9 | 5156.4 | 5272.3 | 5415.8 | 5507.1 | 5504.2 | 5408.5 | 5304.2 | 5231.7 |
| 17.5° | 4982.5 | 4999.9 | 5085.4 | 5247.7 | 5450.6 | 5601.3 | 5641.9 | 5543.3 | 5396.9 | 5299.8 |
| 20° | 4807.1 | 4823.0 | 4941.9 | 5169.4 | 5462.2 | 5701.3 | 5807.1 | 5720.1 | 5537.5 | 5405.6 |
| 22.5° | 4579.6 | 4604.2 | 4743.3 | 5034.6 | 5434.6 | 5805.6 | 5995.5 | 5936.1 | 5701.3 | 5518.7 |
| 25° | 4336.1 | 4362.2 | 4524.5 | 4869.4 | 5363.6 | 5881.0 | 6218.7 | 6181.0 | 5886.8 | 5659.3 |
| 27.5° | 4126.0 | 4153.5 | 4330.3 | 4705.7 | 5253.5 | 5910.0 | 6438.9 | 6457.8 | 6111.4 | 5814.3 |
| 30° | 3960.8 | 3986.8 | 4175.2 | 4573.8 | 5111.4 | 5881.0 | 6631.7 | 6762.1 | 6340.4 | 5949.1 |
| 32.5° | 3779.6 | 3812.9 | 4011.5 | 4412.9 | 4943.3 | 5811.4 | 6799.8 | 7091.1 | 6605.6 | 6094.0 |
| 35° | 3550.6 | 3581.1 | 3789.7 | 4192.6 | 4723.0 | 5699.8 | 6940.4 | 7456.3 | 6985.3 | 6314.3 |
| 37.5° | 3272.4 | 3301.4 | 3508.6 | 3917.3 | 4504.2 | 5543.3 | 7047.6 | 7867.9 | 7437.5 | 6631.7 |
| 40° | 2992.7 | 3020.2 | 3214.4 | 3610.0 | 4241.9 | 5343.3 | 7085.3 | 8270.8 | 7956.3 | 7067.9 |
| 42.5° | 2736.2 | 2760.8 | 2939.0 | 3307.1 | 3947.7 | 5088.3 | 7036.0 | 8621.5 | 8421.5 | 7372.2 |
| 45° | 2499.9 | 2521.7 | 2679.6 | 3023.1 | 3641.9 | 4778.1 | 6888.2 | 8998.3 | 8975.1 | 7589.6 |
| 47.5° | 2230.4 | 2252.1 | 2415.9 | 2747.7 | 3336.1 | 4414.4 | 6637.5 | 9369.3 | 9744.6 | 8082.4 |
| 50° | 1901.4 | 1920.2 | 2088.3 | 2430.4 | 3018.8 | 4027.4 | 6289.7 | 9660.6 | 10715.6 | 8828.7 |
| 52.5° | 1511.5 | 1531.8 | 1695.6 | 2037.6 | 2642.0 | 3611.5 | 5831.7 | 9850.4 | 11837.3 | 9918.5 |
| 55° | 1124.6 | 1139.1 | 1281.1 | 1588.4 | 2175.3 | 3137.6 | 5257.8 | 9904.1 | 13109.8 | 11408.4 |
| 57.5° | 815.9 | 824.6 | 915.9 | 1144.9 | 1649.2 | 2544.9 | 4560.7 | 9764.9 | 14624.2 | 13318.4 |
| 60° | 660.8 | 663.7 | 691.3 | 792.7 | 1146.3 | 1875.3 | 3718.7 | 9286.7 | 16267.6 | 15780.7 |
| 62.5° | 600.0 | 600.0 | 607.2 | 634.8 | 775.3 | 1237.6 | 2699.9 | 8295.4 | 18029.9 | 18892.2 |
| 65° | 558.0 | 558.0 | 560.9 | 573.9 | 611.6 | 788.4 | 1704.3 | 6681.0 | 19515.4 | 22537.0 |
| 67.5° | 520.3 | 521.7 | 520.3 | 524.6 | 546.4 | 582.6 | 988.4 | 4614.4 | 20315.3 | 26313.7 |
| 70° | 481.1 | 484.0 | 476.8 | 476.8 | 494.2 | 495.6 | 618.8 | 2530.4 | 19651.6 | 29478.8 |
| 72.5° | 434.8 | 439.1 | 427.5 | 424.6 | 437.7 | 431.9 | 465.2 | 1214.5 | 16872.0 | 30423.7 |
| 75° | 394.2 | 400.0 | 373.9 | 366.7 | 366.7 | 362.3 | 378.2 | 623.2 | 10950.4 | 24818.1 |
| 77.5° | 358.0 | 369.6 | 327.5 | 304.3 | 298.5 | 285.5 | 308.7 | 381.1 | 4789.7 | 11651.8 |
| 80° | 295.6 | 311.6 | 269.6 | 242.0 | 231.9 | 217.4 | 243.5 | 266.7 | 1424.6 | 2705.7 |
| 82.5° | 220.3 | 227.5 | 191.3 | 172.5 | 163.8 | 153.6 | 182.6 | 185.5 | 463.8 | 957.9 |
| 85° | 140.6 | 143.5 | 117.4 | 101.4 | 97.1 | 92.8 | 115.9 | 101.4 | 176.8 | 704.3 |
| 87.5° | 49.3 | 56.5 | 44.9 | 40.6 | 43.5 | 36.2 | 53.6 | 30.4 | 49.3 | 497.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

5095.5
5098.4
5131.7
5166.5
5179.6
5191.1
5220.1
5283.9
5381.0
5485.3
5612.9
5765.0
5878.1
6004.2
6214.3
6498.4
6925.9
7189.6
7343.3
7798.3
8472.2
9479.4
10859.1
12627.2
14909.7
17725.6
21061.7
24721.0
29060.0
31525.1
26545.6
11409.8
2591.2
1082.6
1023.2
615.9
0.0

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