

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: P941153

Luminaire Tested: **GLAN-SB4C-760-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941153
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-SB4C-760-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31414 lumens
Efficiency: N/A
Efficacy: 156.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

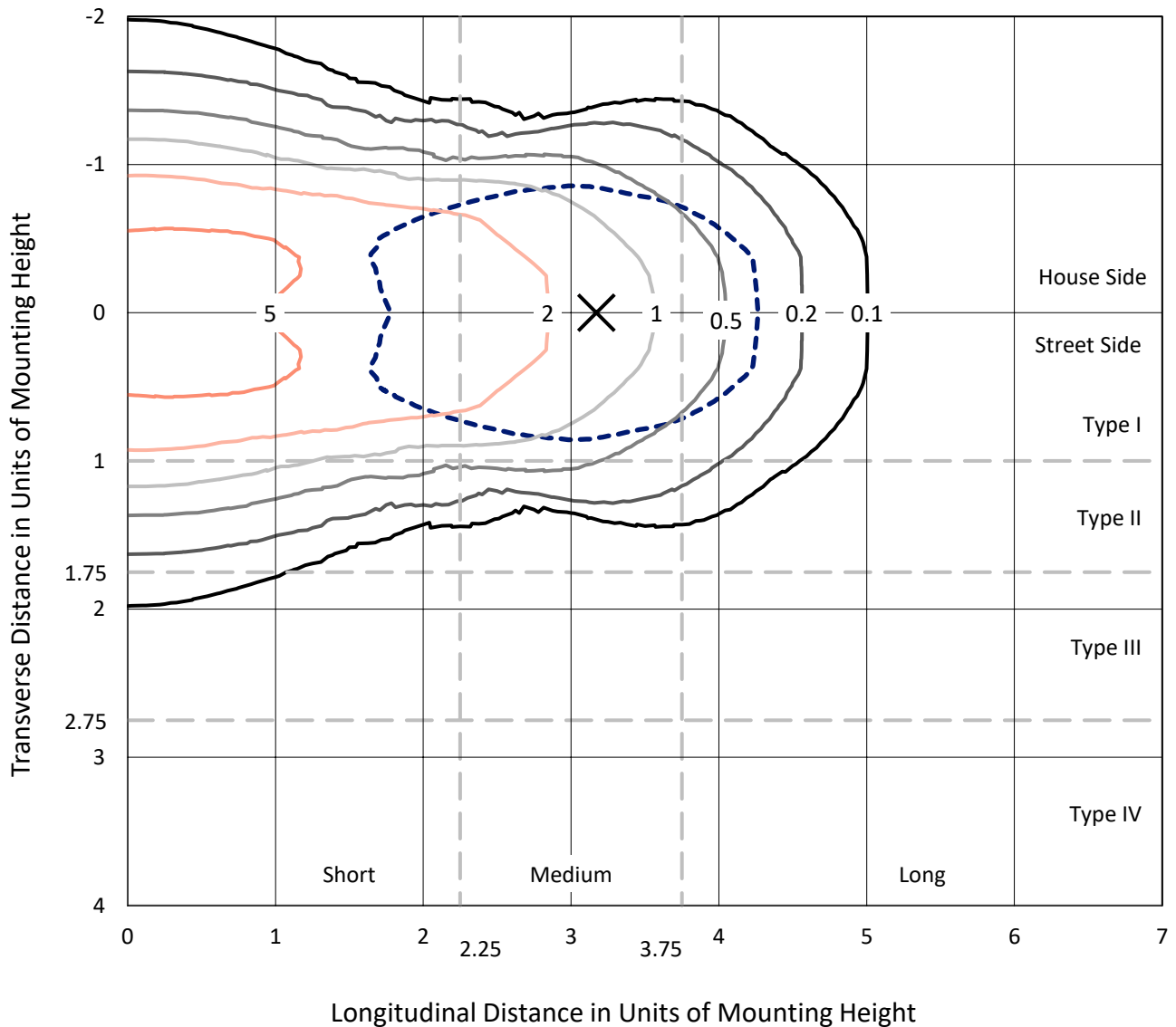
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

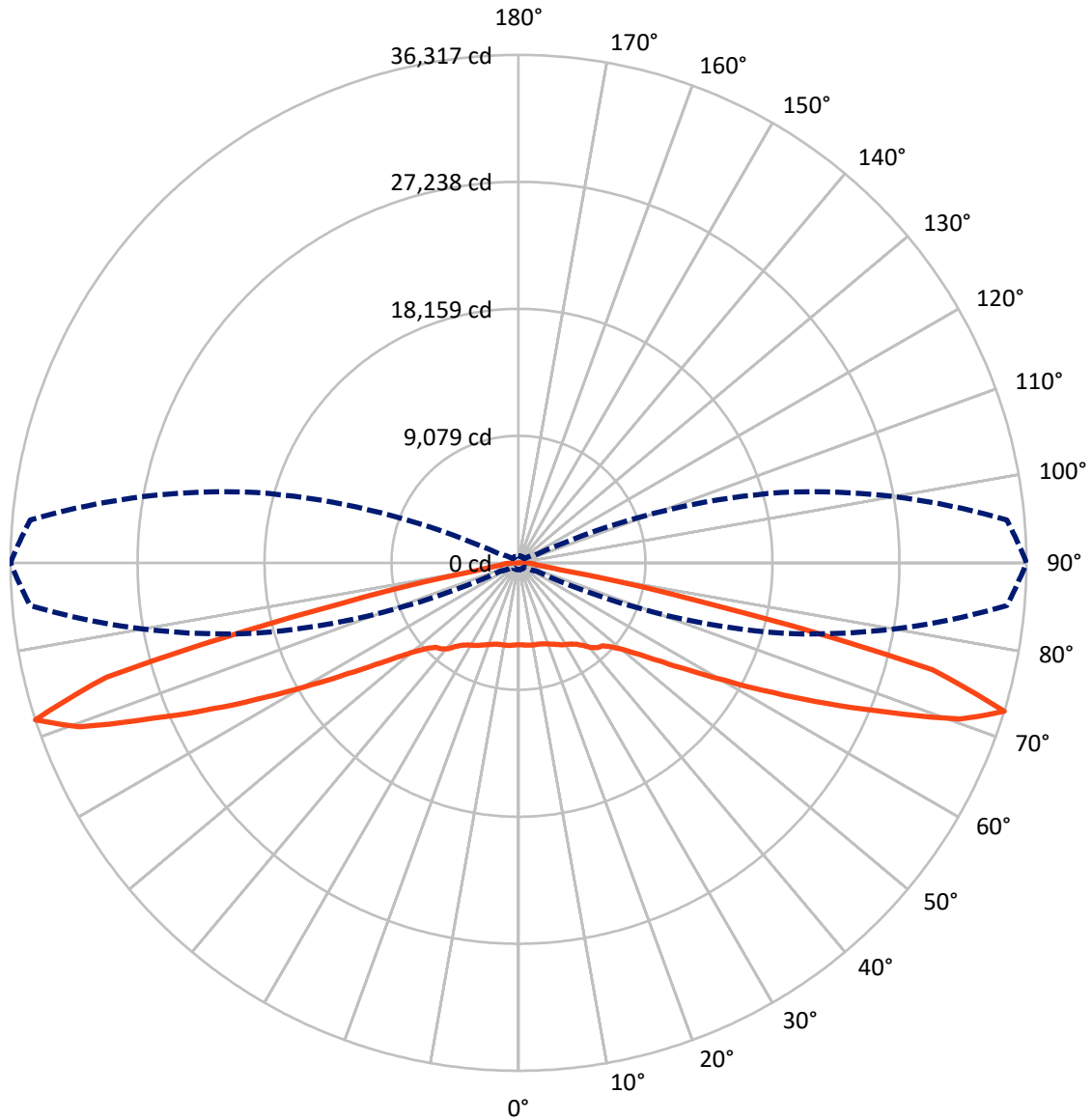
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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 | 15707.0 | 0.0 | 15707.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15707.0 | 0.0 | 15707.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 31414.0 | 0.0 | 31414.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 569.2 | 1.8 |
| 10°-20° | 1740.3 | 5.5 |
| 20°-30° | 2901.8 | 9.2 |
| 30°-40° | 3990.9 | 12.7 |
| 40°-50° | 4873.9 | 15.5 |
| 50°-60° | 5637.2 | 17.9 |
| 60°-70° | 6721.5 | 21.4 |
| 70°-80° | 4691.1 | 14.9 |
| 80°-90° | 288.1 | 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° | 31414.0 | 100.0 |
| 0°-180° | 31414.0 | 100.0 |

Coefficient of Utilization

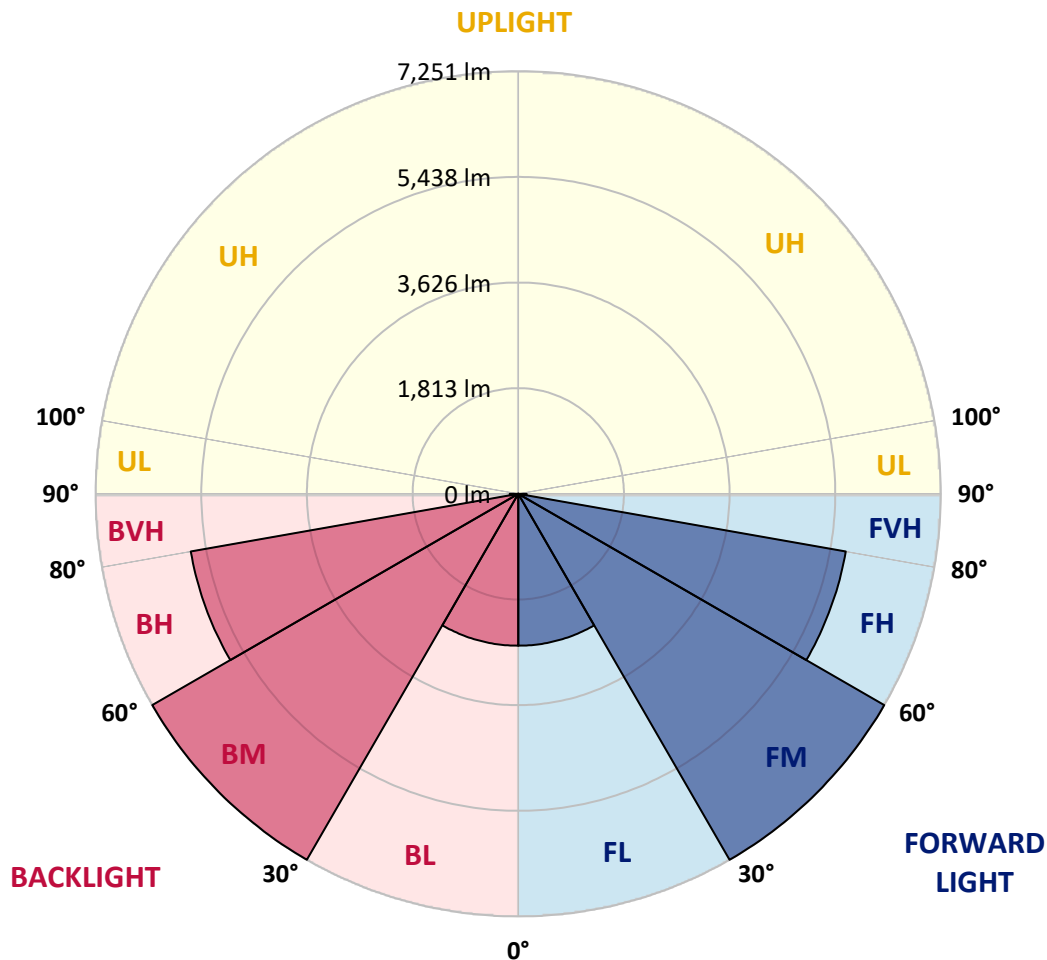


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2605.6 | 8.3 | | | |
| FM (30°-60°) | 7251.0 | 23.1 | | | |
| FH (60°-80°) | 5706.3 | 18.2 | | | G3/7500 |
| FVH (80°-90°) | 144.1 | 0.5 | | | G2/225 |
| BL (0°-30°) | 2605.6 | 8.3 | B4/5000 | | |
| BM (30°-60°) | 7251.0 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 5706.3 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 144.1 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5
 Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 | 5870.0 |
| 2.5° | 5875.0 | 5881.7 | 5881.7 | 5876.7 | 5888.4 | 5878.4 | 5878.4 | 5873.4 | 5878.4 | 5873.4 |
| 5° | 5905.1 | 5913.4 | 5916.8 | 5915.1 | 5930.1 | 5921.8 | 5921.8 | 5915.1 | 5916.8 | 5911.8 |
| 7.5° | 5961.9 | 5973.5 | 5980.2 | 5988.6 | 6010.3 | 6000.3 | 5993.6 | 5973.5 | 5965.2 | 5951.8 |
| 10° | 5980.2 | 5993.6 | 6015.3 | 6058.7 | 6108.8 | 6110.4 | 6090.4 | 6040.3 | 6001.9 | 5971.9 |
| 12.5° | 5923.5 | 5941.8 | 5986.9 | 6075.4 | 6187.2 | 6232.3 | 6200.6 | 6117.1 | 6042.0 | 5988.6 |
| 15° | 5851.7 | 5871.7 | 5940.2 | 6073.7 | 6239.0 | 6344.2 | 6340.8 | 6230.7 | 6110.4 | 6027.0 |
| 17.5° | 5739.8 | 5759.8 | 5858.4 | 6045.3 | 6279.1 | 6452.7 | 6499.4 | 6385.9 | 6217.3 | 6105.4 |
| 20° | 5537.8 | 5556.2 | 5693.1 | 5955.2 | 6292.4 | 6567.9 | 6689.8 | 6589.6 | 6379.2 | 6227.3 |
| 22.5° | 5275.7 | 5304.1 | 5464.3 | 5799.9 | 6260.7 | 6688.1 | 6906.8 | 6838.4 | 6567.9 | 6357.5 |
| 25° | 4995.2 | 5025.3 | 5212.2 | 5609.6 | 6178.9 | 6774.9 | 7163.9 | 7120.5 | 6781.6 | 6519.5 |
| 27.5° | 4753.1 | 4784.8 | 4988.5 | 5420.9 | 6052.0 | 6808.3 | 7417.7 | 7439.4 | 7040.4 | 6698.1 |
| 30° | 4562.8 | 4592.9 | 4809.9 | 5269.0 | 5888.4 | 6774.9 | 7639.7 | 7790.0 | 7304.2 | 6853.4 |
| 32.5° | 4354.1 | 4392.5 | 4621.2 | 5083.7 | 5694.7 | 6694.8 | 7833.4 | 8169.0 | 7609.7 | 7020.3 |
| 35° | 4090.3 | 4125.4 | 4365.8 | 4829.9 | 5441.0 | 6566.2 | 7995.3 | 8589.7 | 8047.1 | 7274.1 |
| 37.5° | 3769.8 | 3803.2 | 4041.9 | 4512.7 | 5188.9 | 6385.9 | 8118.9 | 9063.8 | 8568.0 | 7639.7 |
| 40° | 3447.6 | 3479.3 | 3703.0 | 4158.8 | 4886.7 | 6155.5 | 8162.3 | 9528.0 | 9165.7 | 8142.3 |
| 42.5° | 3152.1 | 3180.4 | 3385.8 | 3809.8 | 4547.8 | 5861.7 | 8105.5 | 9932.0 | 9701.6 | 8492.9 |
| 45° | 2879.9 | 2905.0 | 3086.9 | 3482.6 | 4195.5 | 5504.4 | 7935.2 | 10366.1 | 10339.3 | 8743.3 |
| 47.5° | 2569.4 | 2594.4 | 2783.1 | 3165.4 | 3843.2 | 5085.4 | 7646.4 | 10793.5 | 11225.9 | 9310.9 |
| 50° | 2190.4 | 2212.1 | 2405.8 | 2799.8 | 3477.6 | 4639.6 | 7245.7 | 11129.0 | 12344.4 | 10170.7 |
| 52.5° | 1741.3 | 1764.7 | 1953.3 | 2347.3 | 3043.5 | 4160.4 | 6718.2 | 11347.7 | 13636.7 | 11426.2 |
| 55° | 1295.5 | 1312.2 | 1475.9 | 1829.8 | 2506.0 | 3614.5 | 6057.0 | 11409.5 | 15102.5 | 13142.5 |
| 57.5° | 939.9 | 950.0 | 1055.1 | 1318.9 | 1899.9 | 2931.7 | 5254.0 | 11249.2 | 16847.1 | 15342.9 |
| 60° | 761.3 | 764.6 | 796.4 | 913.2 | 1320.6 | 2160.4 | 4284.0 | 10698.3 | 18740.4 | 18179.4 |
| 62.5° | 691.2 | 691.2 | 699.5 | 731.3 | 893.2 | 1425.8 | 3110.3 | 9556.3 | 20770.5 | 21763.9 |
| 65° | 642.8 | 642.8 | 646.1 | 661.1 | 704.5 | 908.2 | 1963.4 | 7696.5 | 22481.8 | 25962.7 |
| 67.5° | 599.4 | 601.0 | 599.4 | 604.4 | 629.4 | 671.1 | 1138.6 | 5315.8 | 23403.4 | 30313.5 |
| 70° | 554.3 | 557.6 | 549.3 | 549.3 | 569.3 | 571.0 | 712.9 | 2915.0 | 22638.7 | 33959.7 |
| 72.5° | 500.9 | 505.9 | 492.5 | 489.2 | 504.2 | 497.5 | 535.9 | 1399.1 | 19436.6 | 35048.3 |
| 75° | 454.1 | 460.8 | 430.7 | 422.4 | 422.4 | 417.4 | 435.7 | 717.9 | 12614.9 | 28590.6 |
| 77.5° | 412.4 | 425.7 | 377.3 | 350.6 | 343.9 | 328.9 | 355.6 | 439.1 | 5517.8 | 13423.0 |
| 80° | 340.6 | 358.9 | 310.5 | 278.8 | 267.1 | 250.4 | 280.5 | 307.2 | 1641.1 | 3117.0 |
| 82.5° | 253.8 | 262.1 | 220.4 | 198.7 | 188.7 | 177.0 | 210.4 | 213.7 | 534.2 | 1103.6 |
| 85° | 161.9 | 165.3 | 135.2 | 116.9 | 111.9 | 106.8 | 133.6 | 116.9 | 203.7 | 811.4 |
| 87.5° | 56.8 | 65.1 | 51.8 | 46.7 | 50.1 | 41.7 | 61.8 | 35.1 | 56.8 | 572.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

5870.0
5873.4
5911.8
5951.8
5966.9
5980.2
6013.6
6087.1
6198.9
6319.1
6466.1
6641.4
6771.6
6916.8
7158.9
7486.1
7978.6
8282.5
8459.5
8983.7
9760.0
10920.3
12509.7
14546.5
17176.0
20419.9
24263.2
28478.7
33477.2
36317.1
30580.6
13144.1
2985.1
1247.1
1178.7
709.5
0.0

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