

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: P940123

Luminaire Tested: **GLAN-SB3A-750-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940123
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-SB3A-750-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14086 lumens
Efficiency: N/A
Efficacy: 166.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

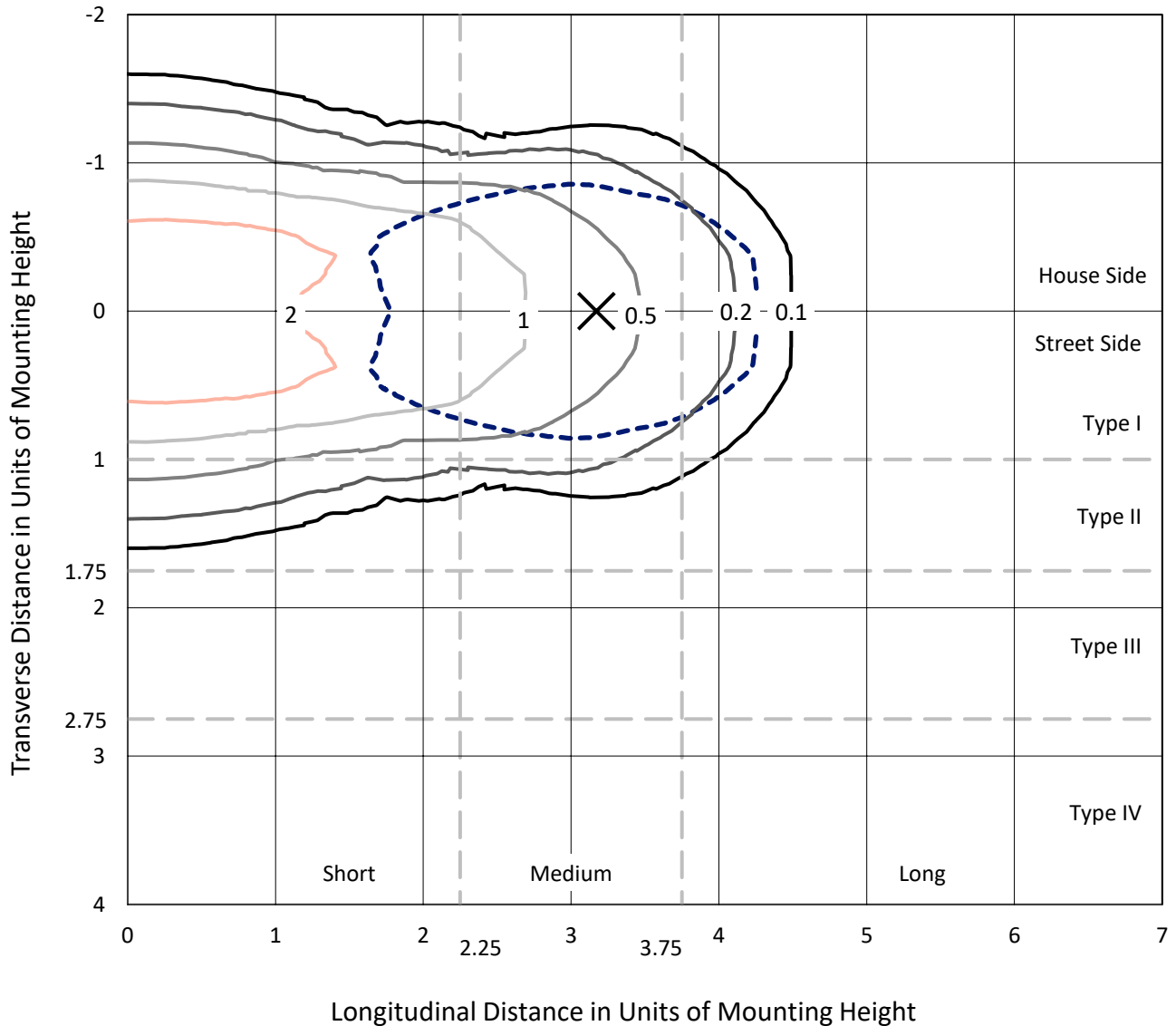
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

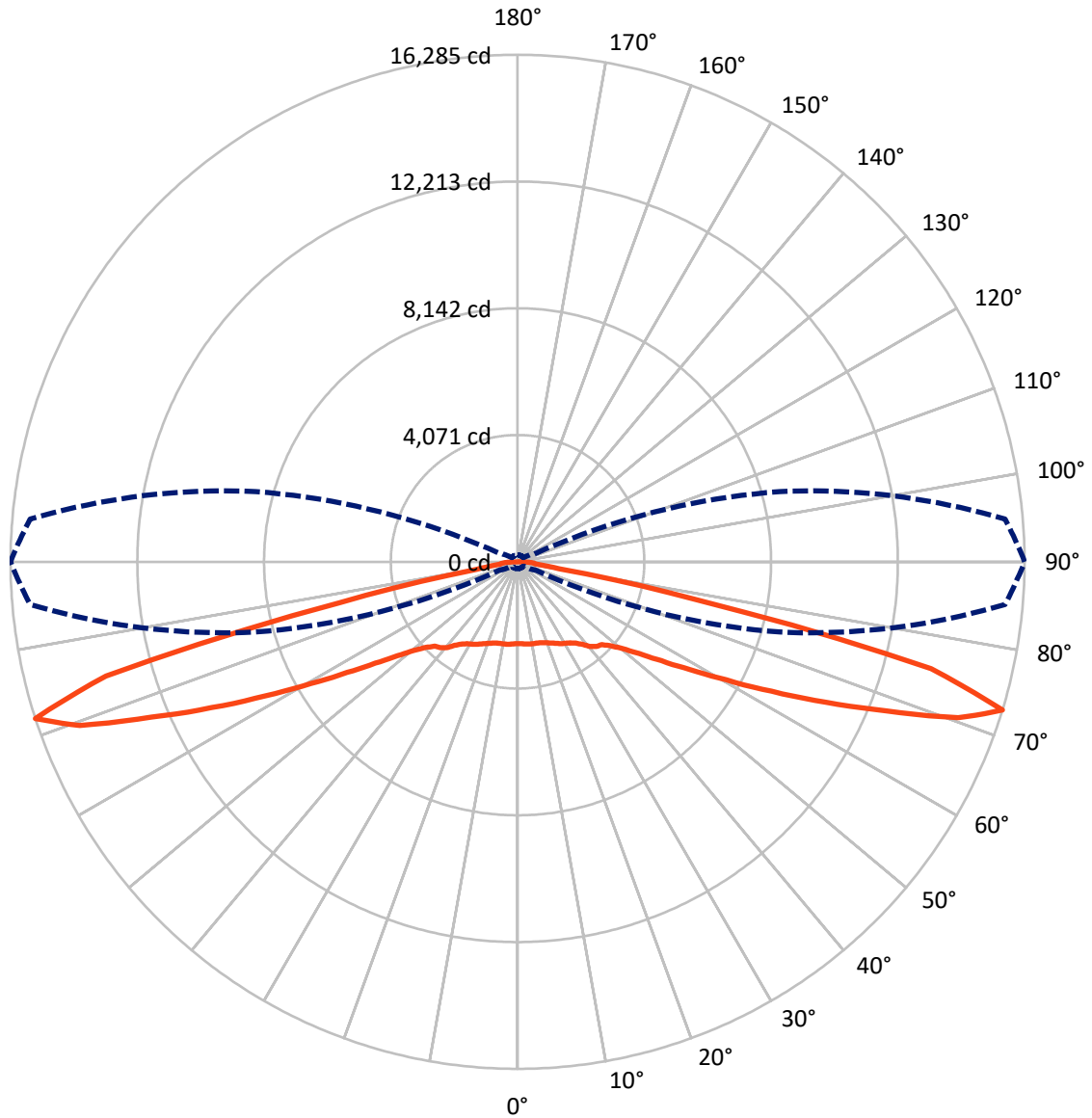
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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 | 7043.0 | 0.0 | 7043.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 7043.0 | 0.0 | 7043.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 14086.0 | 0.0 | 14086.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 255.2 | 1.8 |
| 10°-20° | 780.3 | 5.5 |
| 20°-30° | 1301.2 | 9.2 |
| 30°-40° | 1789.5 | 12.7 |
| 40°-50° | 2185.5 | 15.5 |
| 50°-60° | 2527.7 | 17.9 |
| 60°-70° | 3013.9 | 21.4 |
| 70°-80° | 2103.5 | 14.9 |
| 80°-90° | 129.2 | 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° | 14086.0 | 100.0 |
| 0°-180° | 14086.0 | 100.0 |

Coefficient of Utilization



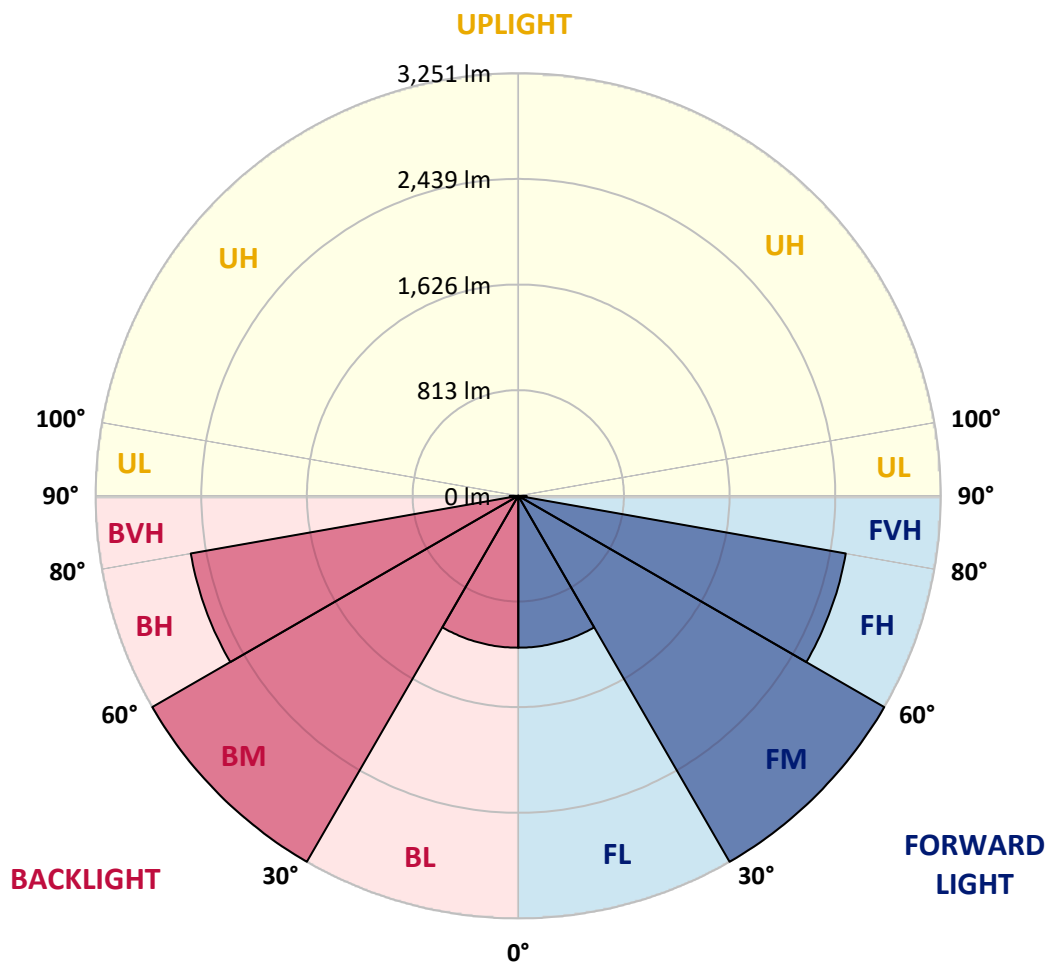
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 1168.4 | 8.3 | | | |
| FM (30°-60°) | 3251.3 | 23.1 | | | |
| FH (60°-80°) | 2558.7 | 18.2 | | | G2/5000 |
| FVH (80°-90°) | 64.6 | 0.5 | | | G1/100 |
| BL (0°-30°) | 1168.4 | 8.3 | B3/2500 | | |
| BM (30°-60°) | 3251.3 | 23.1 | B3/5000 | | |
| BH (60°-80°) | 2558.7 | 18.2 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 64.6 | 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° | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 | 2632.1 |
| 2.5° | 2634.4 | 2637.4 | 2637.4 | 2635.1 | 2640.4 | 2635.9 | 2635.9 | 2633.6 | 2635.9 | 2633.6 |
| 5° | 2647.8 | 2651.6 | 2653.1 | 2652.3 | 2659.1 | 2655.3 | 2655.3 | 2652.3 | 2653.1 | 2650.8 |
| 7.5° | 2673.3 | 2678.5 | 2681.5 | 2685.3 | 2695.0 | 2690.5 | 2687.5 | 2678.5 | 2674.8 | 2668.8 |
| 10° | 2681.5 | 2687.5 | 2697.2 | 2716.7 | 2739.2 | 2739.9 | 2730.9 | 2708.5 | 2691.3 | 2677.8 |
| 12.5° | 2656.1 | 2664.3 | 2684.5 | 2724.2 | 2774.4 | 2794.6 | 2780.3 | 2742.9 | 2709.2 | 2685.3 |
| 15° | 2623.9 | 2632.9 | 2663.6 | 2723.4 | 2797.6 | 2844.7 | 2843.2 | 2793.8 | 2739.9 | 2702.5 |
| 17.5° | 2573.7 | 2582.7 | 2626.9 | 2710.7 | 2815.5 | 2893.4 | 2914.3 | 2863.4 | 2787.8 | 2737.7 |
| 20° | 2483.1 | 2491.4 | 2552.8 | 2670.3 | 2821.5 | 2945.0 | 2999.7 | 2954.8 | 2860.4 | 2792.3 |
| 22.5° | 2365.6 | 2378.3 | 2450.2 | 2600.7 | 2807.3 | 2998.9 | 3097.0 | 3066.3 | 2945.0 | 2850.7 |
| 25° | 2239.8 | 2253.3 | 2337.2 | 2515.3 | 2770.6 | 3037.9 | 3212.3 | 3192.8 | 3040.9 | 2923.3 |
| 27.5° | 2131.3 | 2145.5 | 2236.9 | 2430.7 | 2713.7 | 3052.8 | 3326.1 | 3335.8 | 3156.9 | 3003.4 |
| 30° | 2046.0 | 2059.4 | 2156.7 | 2362.6 | 2640.4 | 3037.9 | 3425.6 | 3493.0 | 3275.2 | 3073.0 |
| 32.5° | 1952.4 | 1969.6 | 2072.2 | 2279.5 | 2553.5 | 3001.9 | 3512.5 | 3663.0 | 3412.2 | 3147.9 |
| 35° | 1834.1 | 1849.8 | 1957.6 | 2165.7 | 2439.7 | 2944.3 | 3585.1 | 3851.6 | 3608.3 | 3261.7 |
| 37.5° | 1690.4 | 1705.3 | 1812.4 | 2023.5 | 2326.7 | 2863.4 | 3640.5 | 4064.2 | 3841.9 | 3425.6 |
| 40° | 1545.9 | 1560.1 | 1660.4 | 1864.8 | 2191.2 | 2760.1 | 3660.0 | 4272.3 | 4109.9 | 3651.0 |
| 42.5° | 1413.4 | 1426.1 | 1518.2 | 1708.3 | 2039.2 | 2628.4 | 3634.5 | 4453.5 | 4350.2 | 3808.2 |
| 45° | 1291.4 | 1302.6 | 1384.2 | 1561.6 | 1881.3 | 2468.2 | 3558.2 | 4648.1 | 4636.2 | 3920.5 |
| 47.5° | 1152.1 | 1163.3 | 1247.9 | 1419.4 | 1723.3 | 2280.3 | 3428.6 | 4839.8 | 5033.7 | 4175.0 |
| 50° | 982.2 | 991.9 | 1078.7 | 1255.4 | 1559.4 | 2080.4 | 3249.0 | 4990.2 | 5535.2 | 4560.5 |
| 52.5° | 780.8 | 791.3 | 875.9 | 1052.5 | 1364.7 | 1865.5 | 3012.4 | 5088.3 | 6114.7 | 5123.5 |
| 55° | 580.9 | 588.4 | 661.8 | 820.5 | 1123.7 | 1620.7 | 2716.0 | 5116.0 | 6771.9 | 5893.1 |
| 57.5° | 421.5 | 426.0 | 473.1 | 591.4 | 851.9 | 1314.6 | 2355.9 | 5044.1 | 7554.2 | 6879.7 |
| 60° | 341.4 | 342.9 | 357.1 | 409.5 | 592.2 | 968.7 | 1920.9 | 4797.1 | 8403.2 | 8151.6 |
| 62.5° | 309.9 | 309.9 | 313.7 | 327.9 | 400.5 | 639.3 | 1394.7 | 4285.1 | 9313.5 | 9758.9 |
| 65° | 288.2 | 288.2 | 289.7 | 296.5 | 315.9 | 407.2 | 880.4 | 3451.1 | 10080.8 | 11641.7 |
| 67.5° | 268.8 | 269.5 | 268.8 | 271.0 | 282.2 | 300.9 | 510.6 | 2383.6 | 10494.0 | 13592.5 |
| 70° | 248.5 | 250.0 | 246.3 | 246.3 | 255.3 | 256.0 | 319.7 | 1307.1 | 10151.2 | 15227.5 |
| 72.5° | 224.6 | 226.8 | 220.8 | 219.3 | 226.1 | 223.1 | 240.3 | 627.3 | 8715.3 | 15715.6 |
| 75° | 203.6 | 206.6 | 193.1 | 189.4 | 189.4 | 187.2 | 195.4 | 321.9 | 5656.5 | 12820.0 |
| 77.5° | 184.9 | 190.9 | 169.2 | 157.2 | 154.2 | 147.5 | 159.5 | 196.9 | 2474.2 | 6018.8 |
| 80° | 152.7 | 161.0 | 139.2 | 125.0 | 119.8 | 112.3 | 125.8 | 137.7 | 735.9 | 1397.7 |
| 82.5° | 113.8 | 117.5 | 98.8 | 89.1 | 84.6 | 79.4 | 94.3 | 95.8 | 239.6 | 494.8 |
| 85° | 72.6 | 74.1 | 60.6 | 52.4 | 50.2 | 47.9 | 59.9 | 52.4 | 91.3 | 363.8 |
| 87.5° | 25.5 | 29.2 | 23.2 | 21.0 | 22.5 | 18.7 | 27.7 | 15.7 | 25.5 | 256.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

2632.1
2633.6
2650.8
2668.8
2675.5
2681.5
2696.5
2729.4
2779.6
2833.5
2899.4
2978.0
3036.4
3101.5
3210.0
3356.8
3577.6
3713.9
3793.2
4028.3
4376.4
4896.7
5609.3
6522.7
7701.7
9156.3
10879.6
12769.8
15011.2
16284.5
13712.3
5893.8
1338.5
559.2
528.5
318.2
0.0

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