

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: P846714

Luminaire Tested: **GLAN-SB2C-722-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846714
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-SB2C-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11586 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

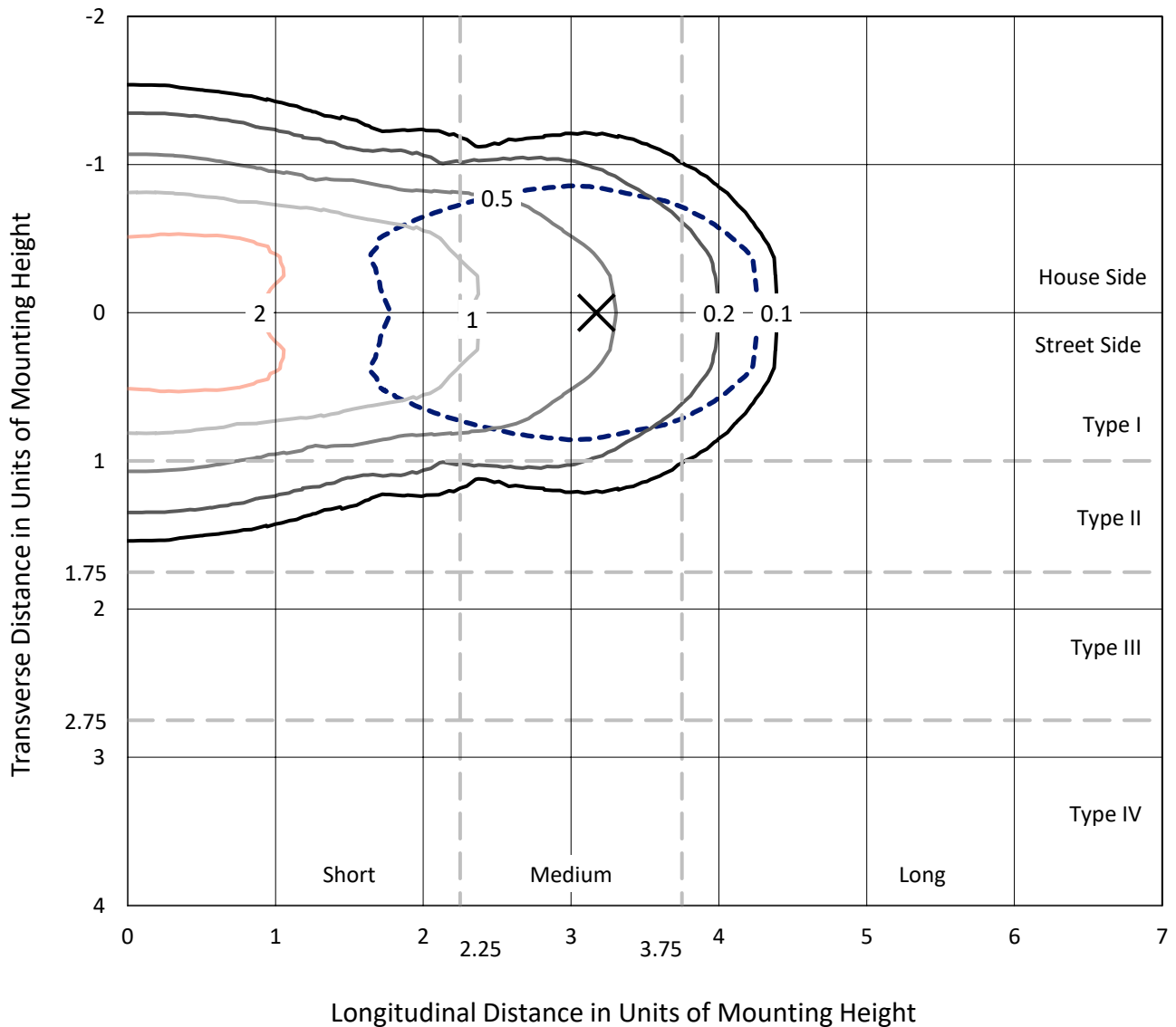
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

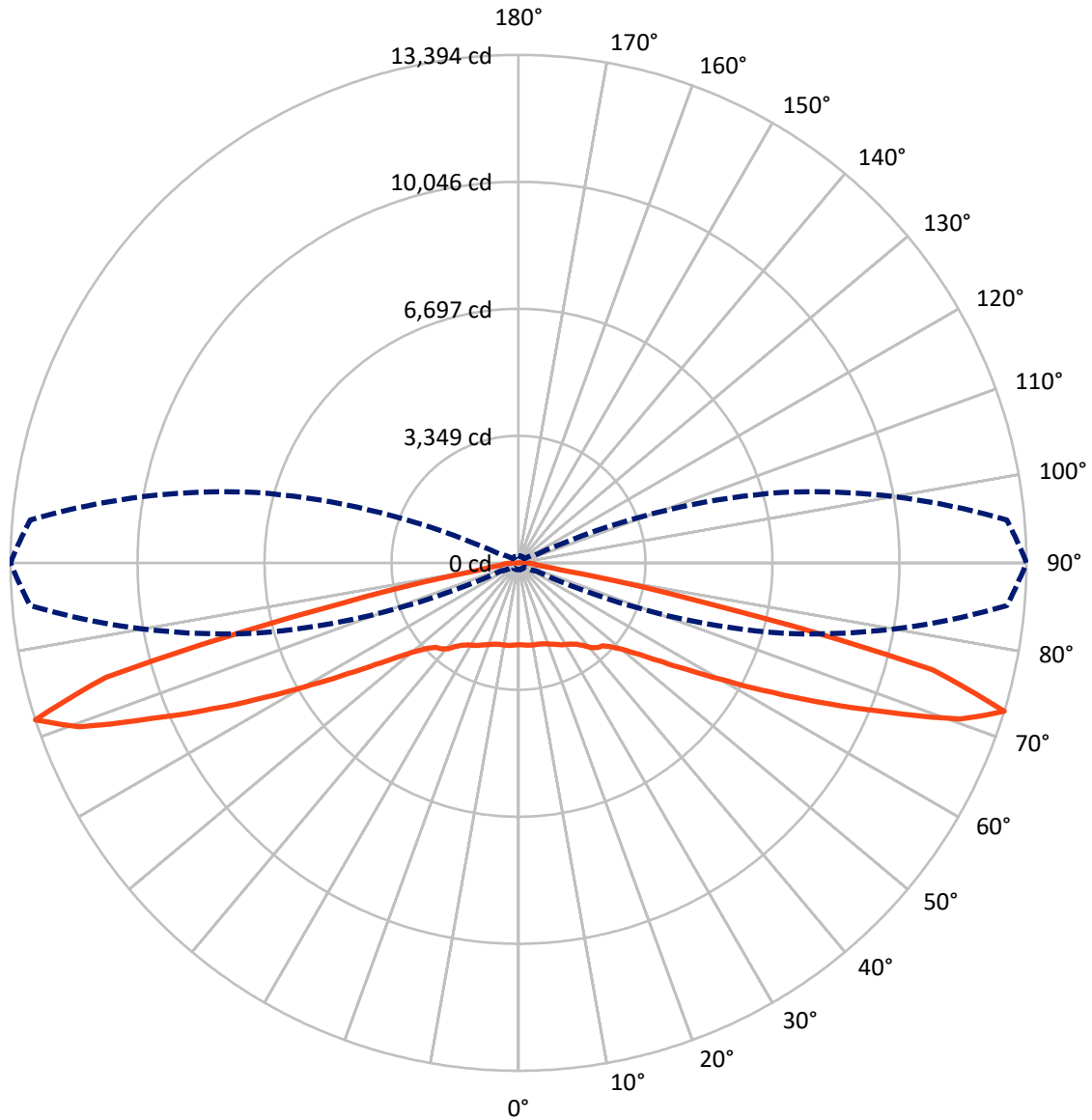
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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 | 5793.0 | 0.0 | 5793.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 5793.0 | 0.0 | 5793.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 11586.0 | 0.0 | 11586.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 209.9 | 1.8 |
| 10°-20° | 641.8 | 5.5 |
| 20°-30° | 1070.2 | 9.2 |
| 30°-40° | 1471.9 | 12.7 |
| 40°-50° | 1797.6 | 15.5 |
| 50°-60° | 2079.1 | 17.9 |
| 60°-70° | 2479.0 | 21.4 |
| 70°-80° | 1730.2 | 14.9 |
| 80°-90° | 106.3 | 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° | 11586.0 | 100.0 |
| 0°-180° | 11586.0 | 100.0 |

Coefficient of Utilization



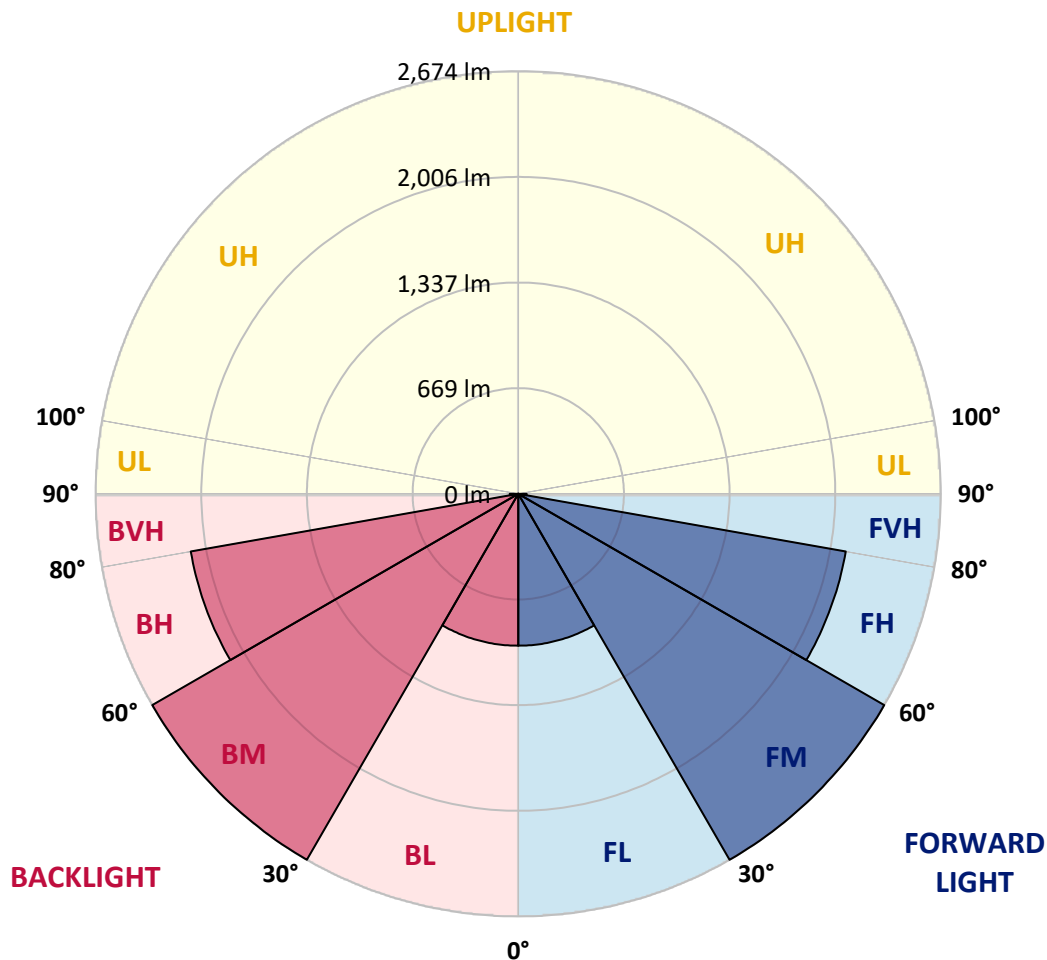
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 961.0 | 8.3 | | | |
| FM (30°-60°) | 2674.3 | 23.1 | | | |
| FH (60°-80°) | 2104.6 | 18.2 | | | G2/5000 |
| FVH (80°-90°) | 53.1 | 0.5 | | | G1/100 |
| BL (0°-30°) | 961.0 | 8.3 | B2/1000 | | |
| BM (30°-60°) | 2674.3 | 23.1 | B3/5000 | | |
| BH (60°-80°) | 2104.6 | 18.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 53.1 | 0.5 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0° | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 | 2165.0 |
| 2.5° | 2166.8 | 2169.3 | 2169.3 | 2167.4 | 2171.7 | 2168.0 | 2168.0 | 2166.2 | 2168.0 | 2166.2 |
| 5° | 2177.9 | 2181.0 | 2182.2 | 2181.6 | 2187.1 | 2184.1 | 2184.1 | 2181.6 | 2182.2 | 2180.4 |
| 7.5° | 2198.8 | 2203.1 | 2205.6 | 2208.7 | 2216.7 | 2213.0 | 2210.5 | 2203.1 | 2200.1 | 2195.1 |
| 10° | 2205.6 | 2210.5 | 2218.5 | 2234.5 | 2253.0 | 2253.6 | 2246.2 | 2227.8 | 2213.6 | 2202.5 |
| 12.5° | 2184.7 | 2191.4 | 2208.1 | 2240.7 | 2282.0 | 2298.6 | 2286.9 | 2256.1 | 2228.4 | 2208.7 |
| 15° | 2158.2 | 2165.6 | 2190.8 | 2240.1 | 2301.0 | 2339.8 | 2338.6 | 2298.0 | 2253.6 | 2222.8 |
| 17.5° | 2116.9 | 2124.3 | 2160.7 | 2229.6 | 2315.8 | 2379.9 | 2397.1 | 2355.2 | 2293.0 | 2251.8 |
| 20° | 2042.4 | 2049.2 | 2099.7 | 2196.4 | 2320.8 | 2422.3 | 2467.3 | 2430.4 | 2352.8 | 2296.7 |
| 22.5° | 1945.8 | 1956.2 | 2015.3 | 2139.1 | 2309.1 | 2466.7 | 2547.3 | 2522.1 | 2422.3 | 2344.8 |
| 25° | 1842.3 | 1853.4 | 1922.4 | 2068.9 | 2278.9 | 2498.7 | 2642.2 | 2626.2 | 2501.2 | 2404.5 |
| 27.5° | 1753.0 | 1764.7 | 1839.9 | 1999.3 | 2232.1 | 2511.0 | 2735.8 | 2743.8 | 2596.6 | 2470.4 |
| 30° | 1682.8 | 1693.9 | 1774.0 | 1943.3 | 2171.7 | 2498.7 | 2817.7 | 2873.1 | 2693.9 | 2527.6 |
| 32.5° | 1605.9 | 1620.0 | 1704.4 | 1874.9 | 2100.3 | 2469.1 | 2889.1 | 3012.9 | 2806.6 | 2589.2 |
| 35° | 1508.6 | 1521.5 | 1610.2 | 1781.4 | 2006.7 | 2421.7 | 2948.8 | 3168.0 | 2967.9 | 2682.8 |
| 37.5° | 1390.4 | 1402.7 | 1490.7 | 1664.4 | 1913.7 | 2355.2 | 2994.4 | 3342.9 | 3160.0 | 2817.7 |
| 40° | 1271.5 | 1283.2 | 1365.7 | 1533.8 | 1802.3 | 2270.3 | 3010.4 | 3514.1 | 3380.5 | 3003.0 |
| 42.5° | 1162.5 | 1173.0 | 1248.7 | 1405.1 | 1677.3 | 2161.9 | 2989.5 | 3663.1 | 3578.1 | 3132.3 |
| 45° | 1062.2 | 1071.4 | 1138.5 | 1284.4 | 1547.4 | 2030.1 | 2926.6 | 3823.2 | 3813.3 | 3224.7 |
| 47.5° | 947.6 | 956.9 | 1026.5 | 1167.5 | 1417.4 | 1875.6 | 2820.1 | 3980.8 | 4140.3 | 3434.0 |
| 50° | 807.9 | 815.9 | 887.3 | 1032.6 | 1282.6 | 1711.2 | 2672.3 | 4104.6 | 4552.8 | 3751.1 |
| 52.5° | 642.2 | 650.8 | 720.4 | 865.7 | 1122.5 | 1534.4 | 2477.8 | 4185.2 | 5029.4 | 4214.2 |
| 55° | 477.8 | 484.0 | 544.3 | 674.9 | 924.2 | 1333.1 | 2233.9 | 4208.0 | 5570.0 | 4847.2 |
| 57.5° | 346.7 | 350.4 | 389.2 | 486.4 | 700.7 | 1081.3 | 1937.8 | 4148.9 | 6213.5 | 5658.7 |
| 60° | 280.8 | 282.0 | 293.7 | 336.8 | 487.1 | 796.8 | 1580.0 | 3945.7 | 6911.8 | 6704.9 |
| 62.5° | 254.9 | 254.9 | 258.0 | 269.7 | 329.4 | 525.8 | 1147.1 | 3524.5 | 7660.5 | 8026.9 |
| 65° | 237.1 | 237.1 | 238.3 | 243.8 | 259.8 | 335.0 | 724.1 | 2838.6 | 8291.6 | 9575.5 |
| 67.5° | 221.1 | 221.7 | 221.1 | 222.9 | 232.1 | 247.5 | 419.9 | 1960.5 | 8631.5 | 11180.1 |
| 70° | 204.4 | 205.7 | 202.6 | 202.6 | 210.0 | 210.6 | 262.9 | 1075.1 | 8349.5 | 12524.9 |
| 72.5° | 184.7 | 186.6 | 181.6 | 180.4 | 186.0 | 183.5 | 197.7 | 516.0 | 7168.5 | 12926.4 |
| 75° | 167.5 | 169.9 | 158.9 | 155.8 | 155.8 | 153.9 | 160.7 | 264.8 | 4652.6 | 10544.7 |
| 77.5° | 152.1 | 157.0 | 139.2 | 129.3 | 126.8 | 121.3 | 131.2 | 161.9 | 2035.0 | 4950.6 |
| 80° | 125.6 | 132.4 | 114.5 | 102.8 | 98.5 | 92.4 | 103.4 | 113.3 | 605.3 | 1149.6 |
| 82.5° | 93.6 | 96.7 | 81.3 | 73.3 | 69.6 | 65.3 | 77.6 | 78.8 | 197.0 | 407.0 |
| 85° | 59.7 | 61.0 | 49.9 | 43.1 | 41.3 | 39.4 | 49.3 | 43.1 | 75.1 | 299.3 |
| 87.5° | 20.9 | 24.0 | 19.1 | 17.2 | 18.5 | 15.4 | 22.8 | 12.9 | 20.9 | 211.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

2165.0
2166.2
2180.4
2195.1
2200.7
2205.6
2217.9
2245.0
2286.3
2330.6
2384.8
2449.4
2497.5
2551.0
2640.3
2761.0
2942.7
3054.7
3120.0
3313.3
3599.7
4027.6
4613.8
5365.0
6334.8
7531.2
8948.7
10503.4
12347.0
13394.3
11278.6
4847.8
1101.0
460.0
434.7
261.7
0.0

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