

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: P636214

Luminaire Tested: **IFLD-L-SA8D-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636214  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (128) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35423.7 lumens  
Efficiency: N/A  
Efficacy: 72.5 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

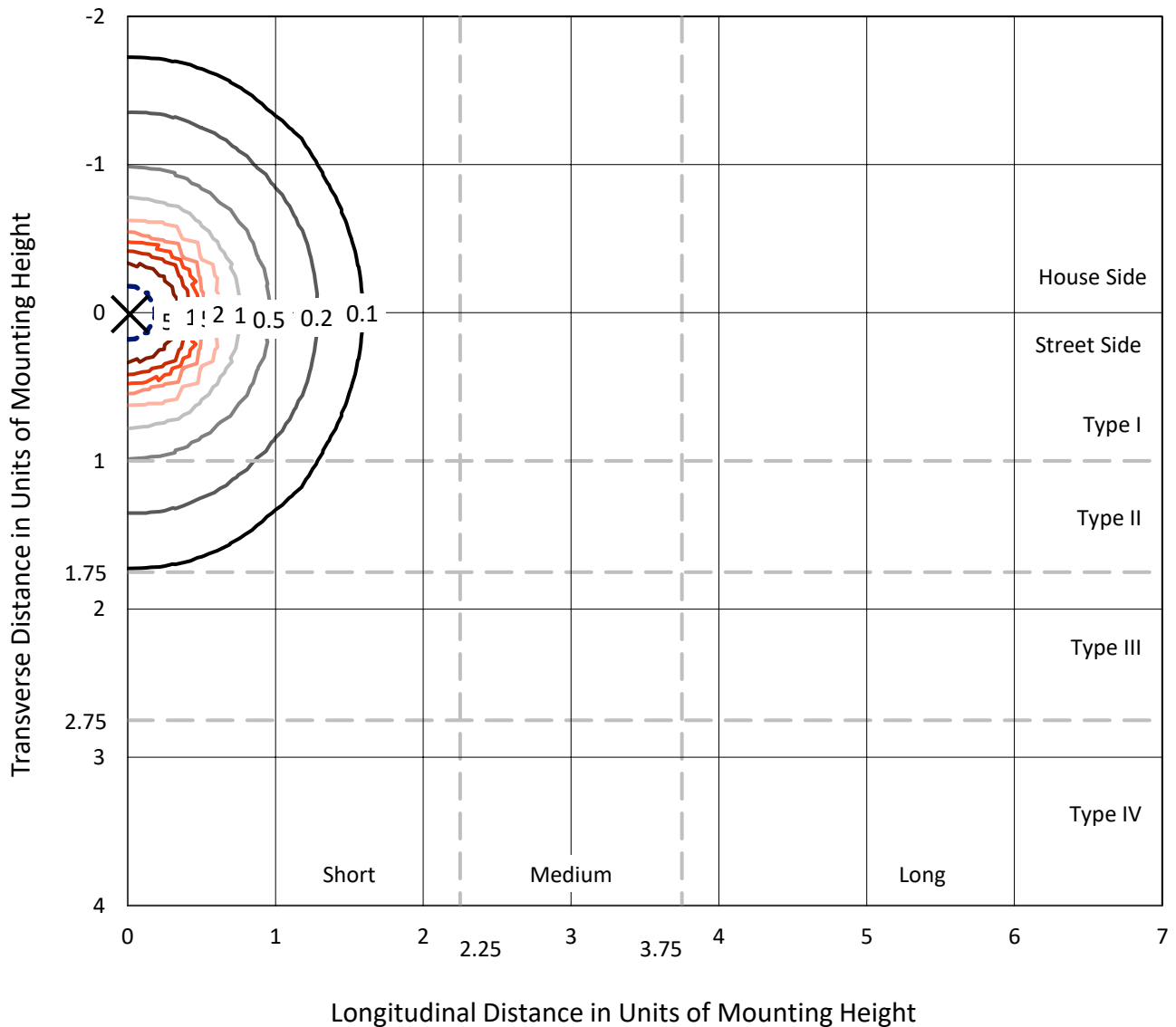
Input Watts (W): 488.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

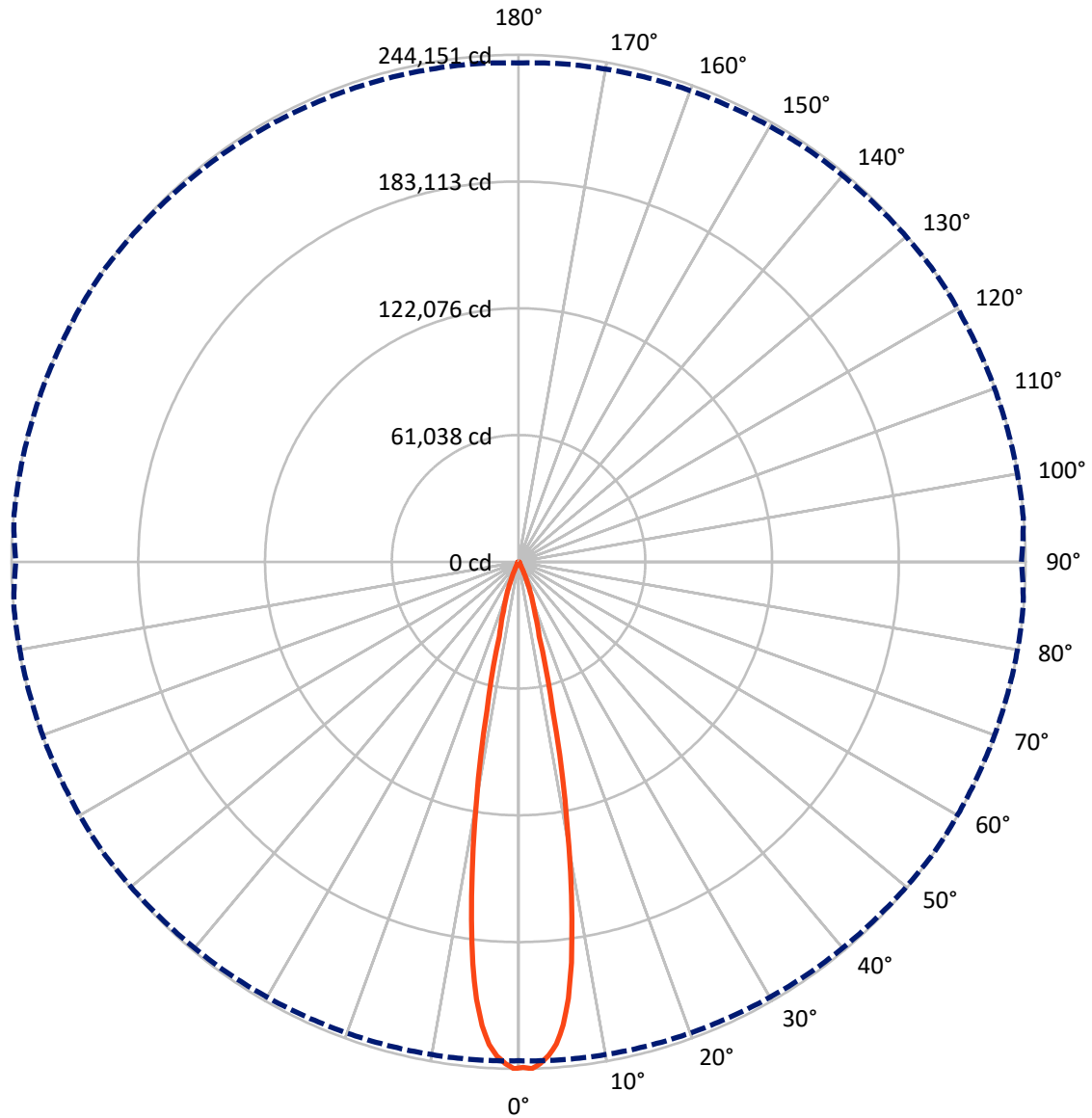
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 608.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 1-Deg Vertical

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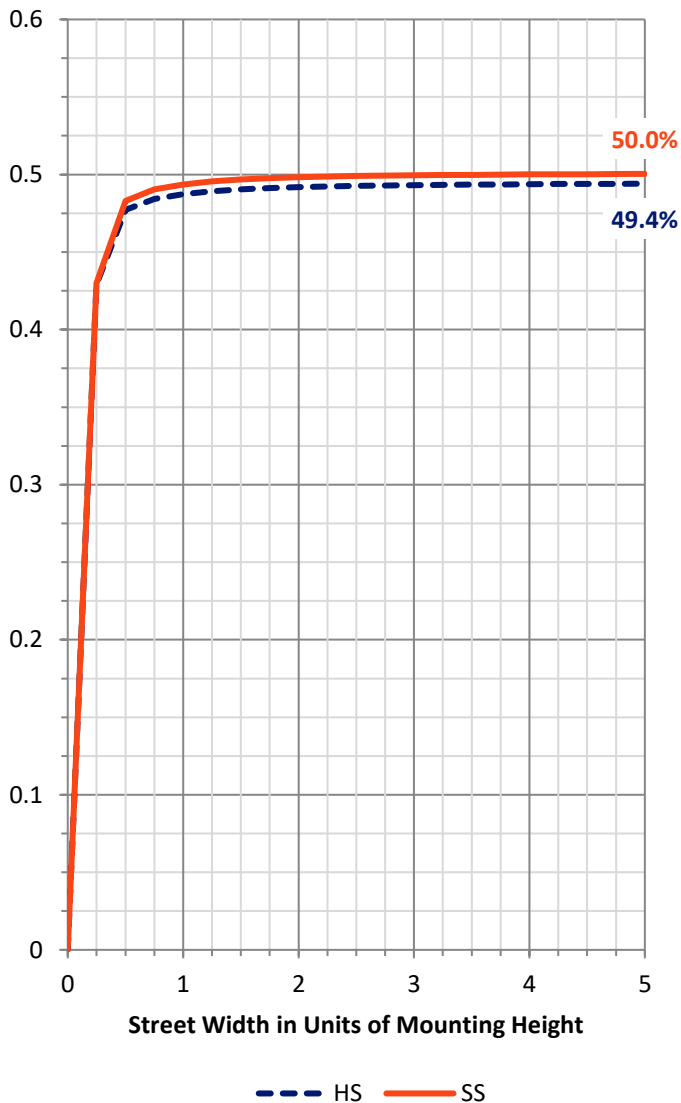
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17711.8	0.0	17711.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17711.8	0.0	17711.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35423.7	0.0	35423.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17997.9	50.8
10°-20°	12755.3	36.0
20°-30°	2988.8	8.4
30°-40°	624.7	1.8
40°-50°	403.0	1.1
50°-60°	298.5	0.8
60°-70°	202.9	0.6
70°-80°	108.3	0.3
80°-90°	44.4	0.1
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°	35423.7	100.0
0°-180°	35423.7	100.0

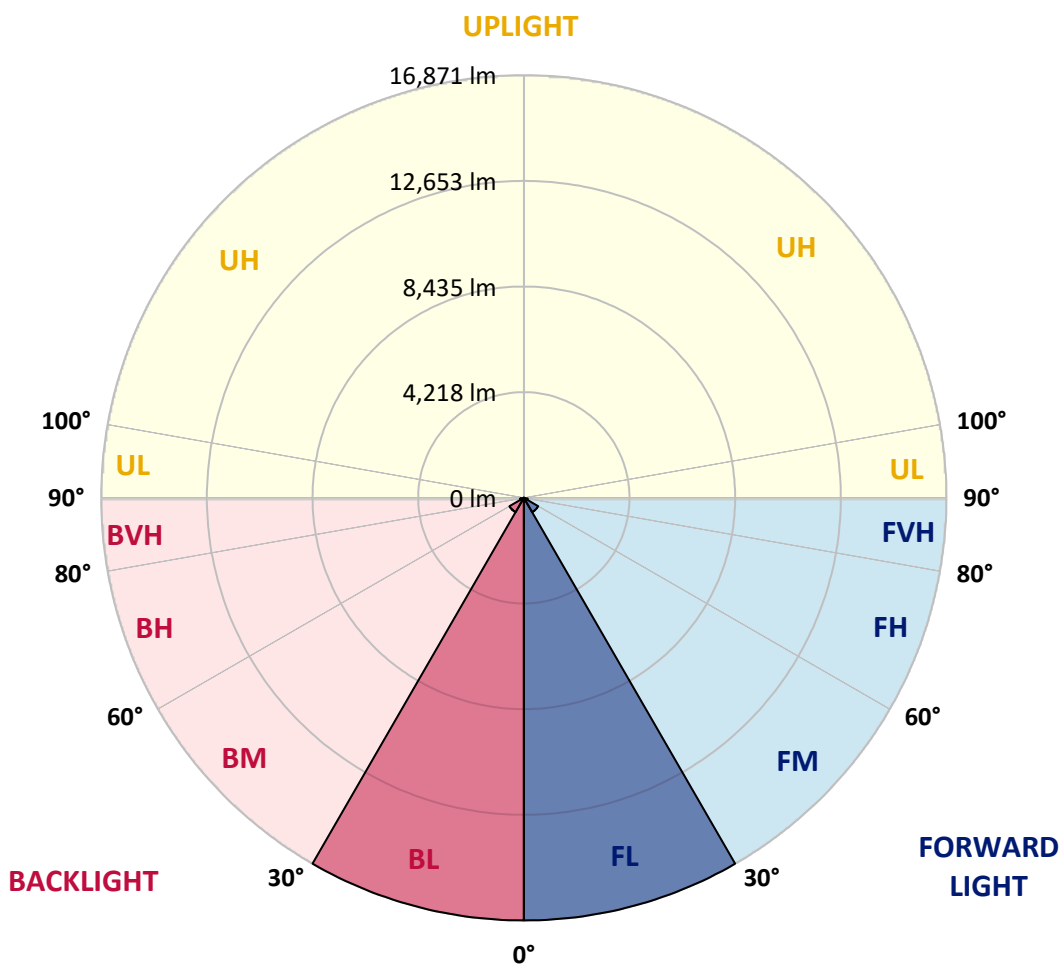


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16871.0	47.6			
FM (30°-60°)	663.1	1.9			
FH (60°-80°)	155.6	0.4			G0/660
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	16871.0	47.6	B5		
BM (30°-60°)	663.1	1.9	B1/1000		
BH (60°-80°)	155.6	0.4	B1/500		G0/660
BVH (80°-90°)	22.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	243524.8	243524.8	243524.8	243524.8	243524.8	243524.8	243524.8	243524.8	243524.8	243524.8
1°	240248.4	240693.2	241238.2	241733.1	242478.6	243086.3	244151.2	243925.7	243894.4	243938.2
2°	235593.8	236151.3	236990.8	237485.7	239408.9	240198.3	241808.3	242284.4	241902.2	242334.5
3°	228621.2	229078.6	230394.1	231365.1	233858.5	235988.4	238143.5	238857.6	238412.8	238613.3
4°	220320.6	220790.5	222381.7	224361.3	227963.4	230325.2	232906.2	233545.2	232091.8	232192.1
5°	210441.3	210660.6	212608.9	214413.1	218723.1	221586.1	224035.5	224236.0	222907.9	222400.5
6°	199327.8	198933.2	200724.9	201489.1	206845.4	209764.7	211556.4	211324.6	210316.0	209883.7
7°	186122.0	185583.3	187030.4	186616.9	191359.2	193025.6	194748.4	193959.1	193157.2	194153.3
8°	170842.6	170541.9	169608.5	171299.9	172239.6	173730.6	173724.3	173267.0	173241.9	174902.1
9°	148628.2	151403.5	150582.8	152355.7	152117.6	152048.7	151591.4	151297.0	150044.0	151954.8
10°	124233.8	126050.5	127435.0	130078.7	129565.0	130291.7	127748.2	128180.5	127347.3	128926.0
12.5°	64306.4	66348.6	67545.2	69562.4	71780.1	74047.9	73314.9	72556.9	71423.0	72813.7
15°	31655.2	32463.3	32845.4	34894.0	36472.6	37042.7	37130.4	36460.1	36171.9	36472.6
17.5°	19426.6	19708.5	20817.3	23172.8	24538.5	24876.8	24657.6	23924.6	23103.9	22759.4
20°	14064.1	14145.5	14565.3	15022.6	16845.6	17797.8	17447.0	16726.5	15968.5	15611.4
22.5°	9183.9	9265.4	9403.2	9653.8	10142.4	11320.2	10938.0	10449.4	9935.7	9829.2
25°	5199.6	5199.6	5343.7	5600.6	5963.9	6051.6	6126.8	5606.8	5368.8	5262.3
27.5°	2900.5	2919.3	2950.6	3050.9	3232.5	3213.8	3132.3	2994.5	2831.6	2662.5
30°	1603.7	1622.5	1641.3	1666.4	1697.7	1641.3	1591.2	1566.2	1497.2	1478.5
32.5°	1202.8	1202.8	1215.3	1209.1	1177.7	1108.8	1077.5	1115.1	1108.8	1077.5
35°	989.8	989.8	1002.3	1027.4	964.8	914.6	889.6	939.7	939.7	920.9
37.5°	808.1	814.4	820.7	852.0	833.2	776.8	770.5	783.1	789.3	783.1
40°	707.9	701.6	701.6	707.9	695.4	682.8	670.3	664.1	670.3	664.1
42.5°	613.9	607.7	620.2	607.7	582.6	588.9	588.9	570.1	576.3	563.8
45°	538.8	532.5	538.8	526.2	507.4	513.7	513.7	488.6	488.6	482.4
47.5°	476.1	476.1	476.1	482.4	451.1	444.8	451.1	444.8	426.0	419.7
50°	413.5	419.7	426.0	438.5	407.2	394.7	394.7	394.7	382.1	375.9
52.5°	382.1	388.4	388.4	388.4	369.6	357.1	357.1	350.8	344.6	338.3
55°	369.6	369.6	369.6	344.6	338.3	332.0	313.2	307.0	300.7	300.7
57.5°	350.8	350.8	344.6	325.8	307.0	307.0	281.9	275.6	269.4	269.4
60°	313.2	313.2	313.2	307.0	281.9	275.6	250.6	238.1	231.8	231.8
62.5°	288.2	288.2	288.2	263.1	256.8	238.1	219.3	200.5	194.2	181.7
65°	263.1	263.1	263.1	238.1	225.5	206.7	181.7	162.9	150.4	131.6
67.5°	244.3	244.3	238.1	219.3	200.5	175.4	150.4	131.6	106.5	94.0
70°	213.0	213.0	206.7	194.2	175.4	156.6	125.3	100.2	81.4	62.6
72.5°	181.7	181.7	175.4	162.9	150.4	131.6	106.5	87.7	56.4	43.9
75°	150.4	150.4	144.1	131.6	125.3	112.8	94.0	68.9	43.9	18.8
77.5°	125.3	125.3	119.0	112.8	106.5	94.0	81.4	56.4	31.3	12.5
80°	94.0	100.2	100.2	100.2	87.7	81.4	75.2	56.4	25.1	6.3
82.5°	68.9	75.2	75.2	75.2	68.9	62.6	68.9	50.1	25.1	6.3
85°	50.1	50.1	56.4	56.4	56.4	56.4	75.2	56.4	18.8	6.3
87.5°	25.1	25.1	25.1	25.1	25.1	31.3	37.6	31.3	12.5	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
243524.8  
*242190.4*  
240693.2  
237109.8  
230701.1  
221341.7  
208912.7  
193846.3  
170297.6  
148390.2  
124879.0  
69048.7  
35069.4  
22277.0  
15335.8  
9609.9  
5174.6  
2668.7  
1478.5  
1058.7  
914.6  
783.1  
670.3  
570.1  
482.4  
419.7  
369.6  
332.0  
294.4  
269.4  
225.5  
169.1  
131.6  
87.7  
62.6  
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