

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: P525238

Luminaire Tested: **IFLD-S-SA3C-927-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525238  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (48) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

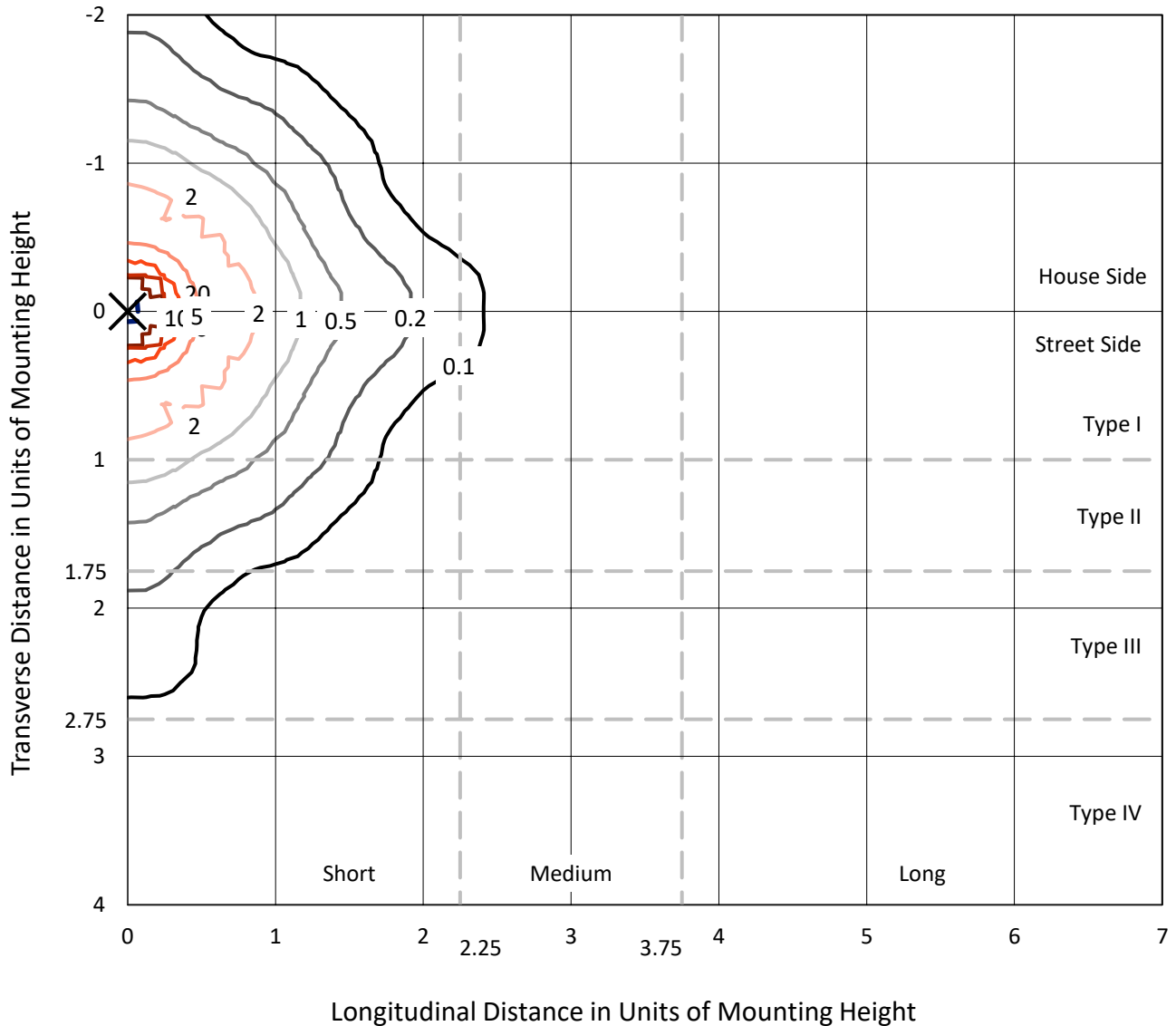
Lumens per Lamp: N/A  
Luminaire Lumens: 7738.3 lumens  
Efficiency: N/A  
Efficacy: 48.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 160.8  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

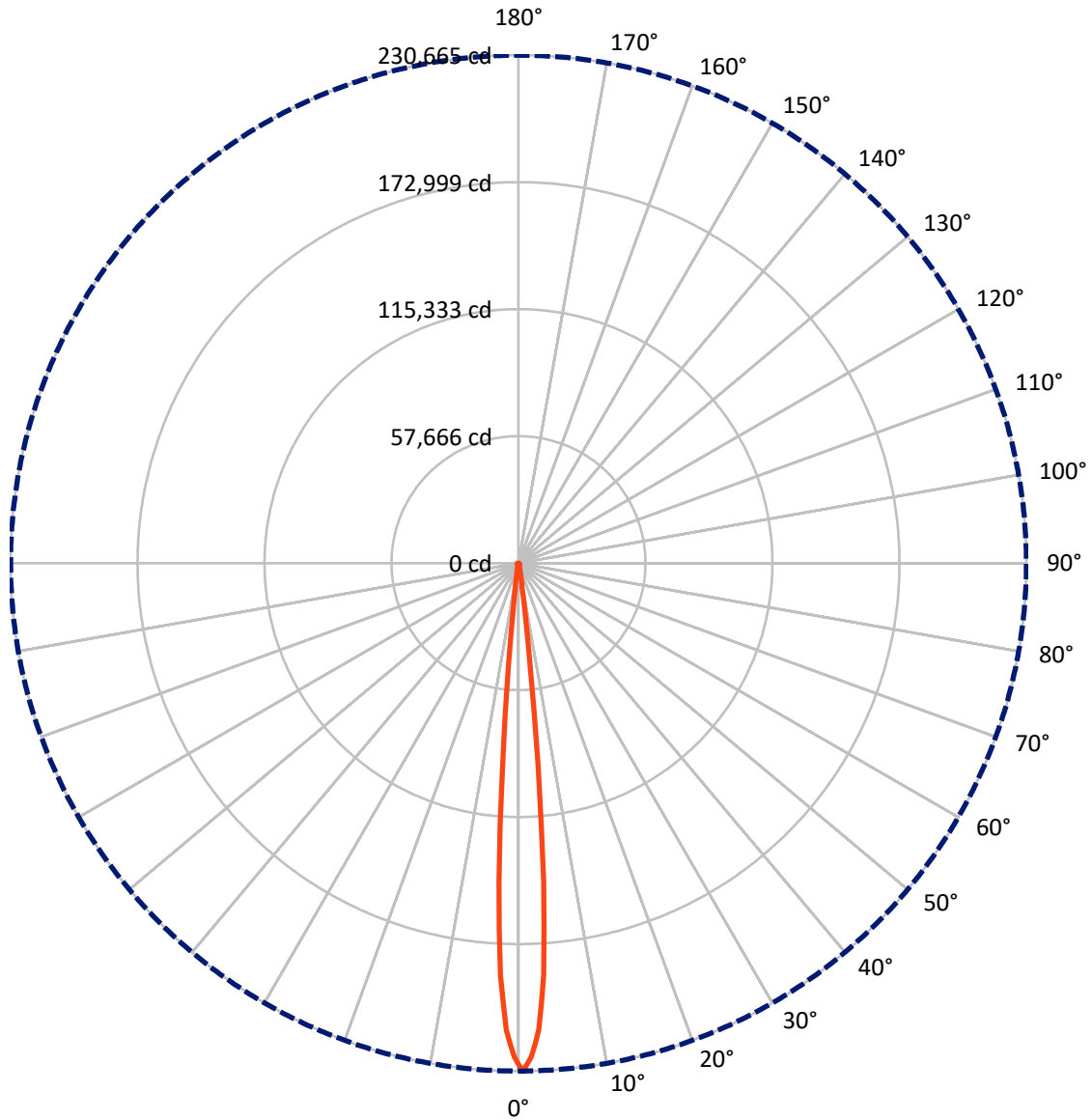
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2306.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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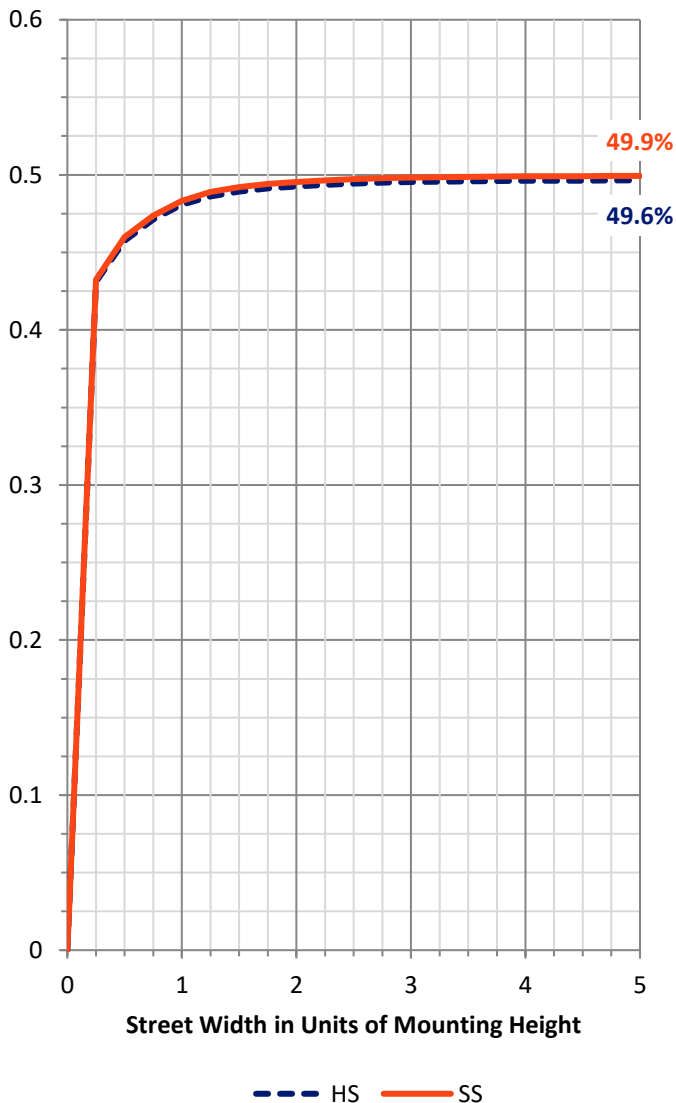
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3869.1	0.0	3869.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3869.1	0.0	3869.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7738.3	0.0	7738.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5943.0	76.8
10°-20°	579.7	7.5
20°-30°	309.7	4.0
30°-40°	255.4	3.3
40°-50°	284.4	3.7
50°-60°	191.2	2.5
60°-70°	122.0	1.6
70°-80°	48.2	0.6
80°-90°	4.7	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°	7738.3	100.0
0°-180°	7738.3	100.0



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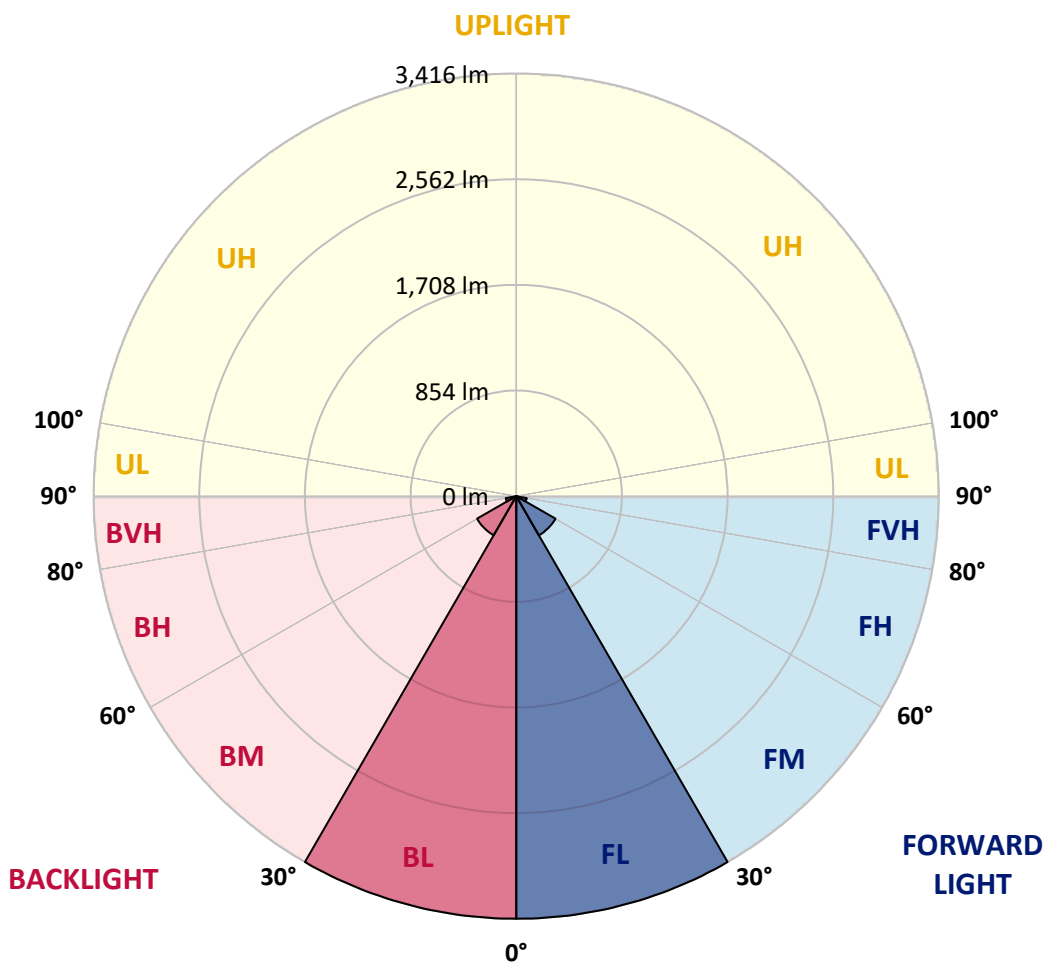
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3416.2	44.1			
FM (30°-60°)	365.5	4.7			
FH (60°-80°)	85.1	1.1			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	3416.2	44.1	B4/5000		
BM (30°-60°)	365.5	4.7	B1/1000		
BH (60°-80°)	85.1	1.1	B0/110		G0/660
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	230665.3	230665.3	230665.3	230665.3	230665.3	230665.3	230665.3	230665.3	230665.3	230665.3
1°	224254.5	224644.5	224714.9	224250.5	223066.4	223345.8	223309.7	223372.0	223255.4	222515.6
2°	212112.3	212689.3	212082.2	210779.5	208081.7	207438.4	205289.4	202891.1	200338.0	197778.9
3°	187327.4	188541.6	187675.2	189066.3	183594.3	183041.4	178522.3	172563.8	166524.8	161631.8
4°	145241.8	147485.3	147782.9	152374.4	147879.4	149284.5	144122.1	135843.7	126809.4	119898.0
5°	92580.1	95708.2	97473.2	101779.3	103849.9	109241.5	106726.6	98418.0	87978.6	80027.9
6°	46777.6	48480.3	53222.6	57956.8	63243.9	70398.5	71367.5	64074.2	55765.6	48134.5
7°	21805.7	22509.3	25854.4	26863.6	32908.5	40670.3	41755.8	37757.4	33374.9	27460.6
8°	11267.7	11541.1	12763.4	13513.2	17039.3	21504.1	22266.0	19749.1	17956.0	14980.7
9°	6939.5	7060.2	7518.5	7687.4	9006.1	10992.3	11261.7	10208.3	9721.8	8694.5
10°	4812.6	4877.0	5092.1	5136.3	5576.6	6229.9	6254.0	5908.3	5916.3	5659.0
12.5°	2565.1	2585.2	2645.5	2651.6	2736.0	2804.4	2788.3	2790.3	2824.5	2790.3
15°	1640.4	1650.5	1686.6	1694.7	1738.9	1763.0	1751.0	1749.0	1761.0	1738.9
17.5°	1170.0	1176.0	1202.2	1224.3	1252.4	1260.5	1256.4	1252.4	1252.4	1232.3
20°	912.7	920.7	938.8	960.9	975.0	989.1	991.1	989.1	983.0	973.0
22.5°	776.0	780.0	786.0	796.1	806.1	812.2	816.2	818.2	816.2	812.2
25°	675.5	679.5	691.5	697.6	697.6	699.6	707.6	711.6	713.7	705.6
27.5°	498.6	508.6	526.7	536.7	536.7	540.8	546.8	554.8	562.9	548.8
30°	386.0	394.0	414.1	414.1	412.1	416.1	422.2	434.2	446.3	430.2
32.5°	347.8	347.8	351.8	353.8	353.8	359.8	363.9	373.9	384.0	379.9
35°	363.9	353.8	341.8	341.8	345.8	357.8	359.8	369.9	379.9	394.0
37.5°	528.7	498.6	454.3	446.3	446.3	460.4	454.3	460.4	478.5	530.7
40°	480.5	456.3	430.2	394.0	394.0	414.1	400.0	408.1	450.3	482.5
42.5°	428.2	428.2	400.0	365.9	365.9	375.9	371.9	375.9	424.2	450.3
45°	396.0	396.0	388.0	333.7	341.8	347.8	347.8	347.8	412.1	420.2
47.5°	377.9	377.9	357.8	307.6	317.6	319.6	323.7	319.6	369.9	398.0
50°	337.7	341.8	307.6	271.4	283.5	283.5	289.5	281.4	319.6	365.9
52.5°	291.5	295.5	243.2	215.1	229.2	227.2	235.2	223.1	253.3	317.6
55°	259.3	257.3	201.0	174.9	191.0	189.0	193.0	178.9	205.1	273.4
57.5°	225.2	229.2	164.8	142.7	160.8	156.8	162.8	146.8	168.9	243.2
60°	199.0	205.1	140.7	120.6	138.7	134.7	140.7	122.6	144.7	219.1
62.5°	191.0	191.0	124.6	102.5	120.6	116.6	120.6	102.5	128.7	201.0
65°	227.2	215.1	112.6	84.4	102.5	98.5	102.5	84.4	112.6	193.0
67.5°	301.5	287.5	106.5	66.3	82.4	76.4	82.4	68.4	98.5	180.9
70°	156.8	166.9	106.5	52.3	62.3	62.3	60.3	52.3	82.4	132.7
72.5°	90.5	92.5	82.4	40.2	48.2	52.3	46.2	40.2	60.3	98.5
75°	50.3	56.3	52.3	30.2	36.2	40.2	34.2	30.2	42.2	70.4
77.5°	30.2	34.2	30.2	20.1	24.1	22.1	24.1	20.1	28.1	46.2
80°	16.1	16.1	16.1	12.1	12.1	14.1	14.1	12.1	16.1	24.1
82.5°	6.0	6.0	6.0	4.0	6.0	6.0	6.0	8.0	8.0	10.1
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
230665.3  
223245.3  
199252.5  
163487.3  
121500.3  
81047.1  
48705.4  
28176.3  
15384.8  
8917.7  
5777.6  
2828.5  
1755.0  
1238.3  
975.0  
814.2  
705.6  
546.8  
426.2  
379.9  
402.1  
556.9  
512.6  
452.3  
418.1  
392.0  
361.9  
309.6  
269.4  
237.2  
213.1  
199.0  
193.0  
178.9  
130.7  
96.5  
62.3  
34.2  
20.1  
10.1  
2.0  
2.0  
0.0

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