

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: P636072

Luminaire Tested: **IFLD-S-SA2C-940-U-22-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636072  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-940-U-22-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 2 distribution lens and Visor  
Light Source: (32) 4000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9759.3 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

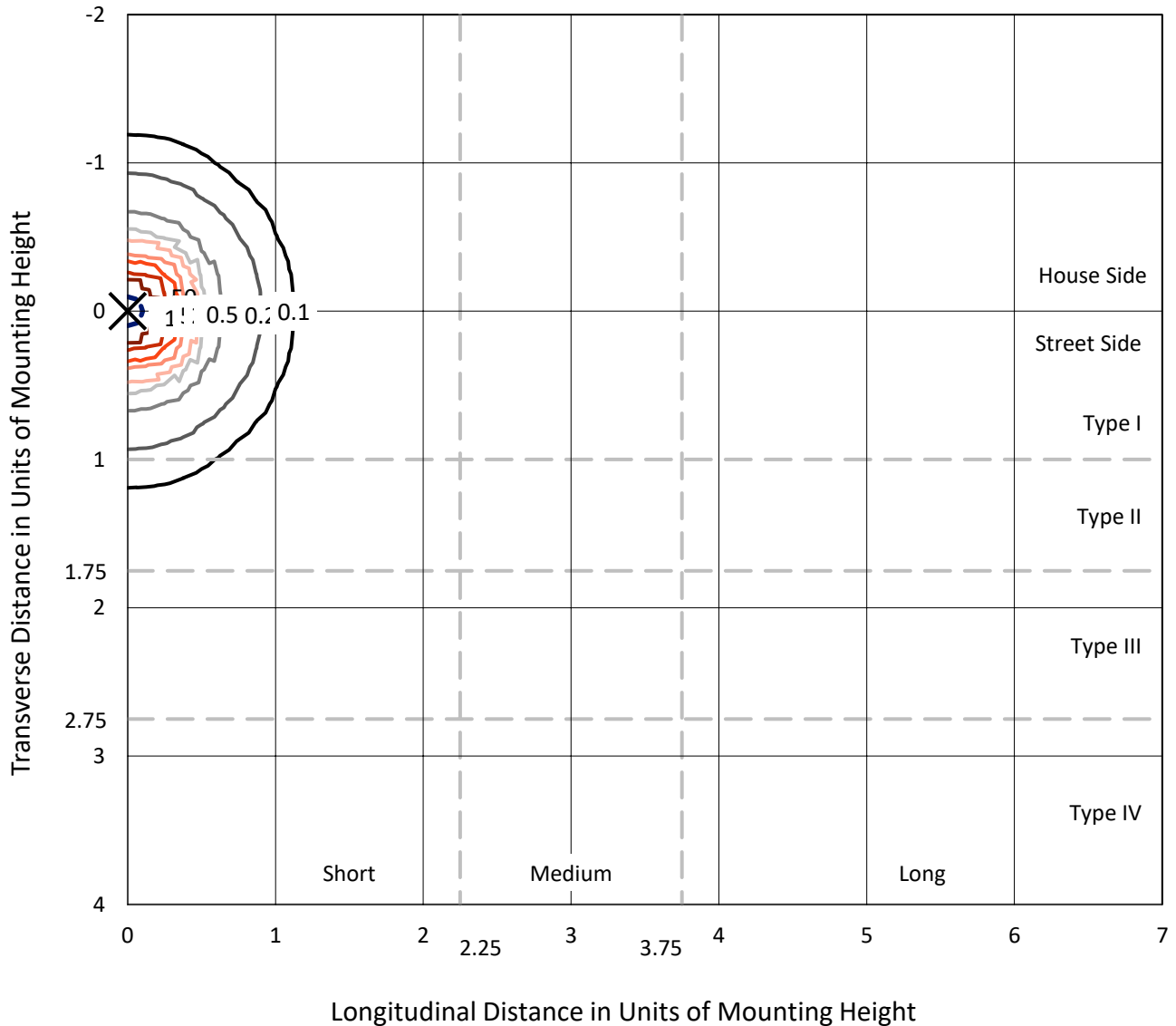
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

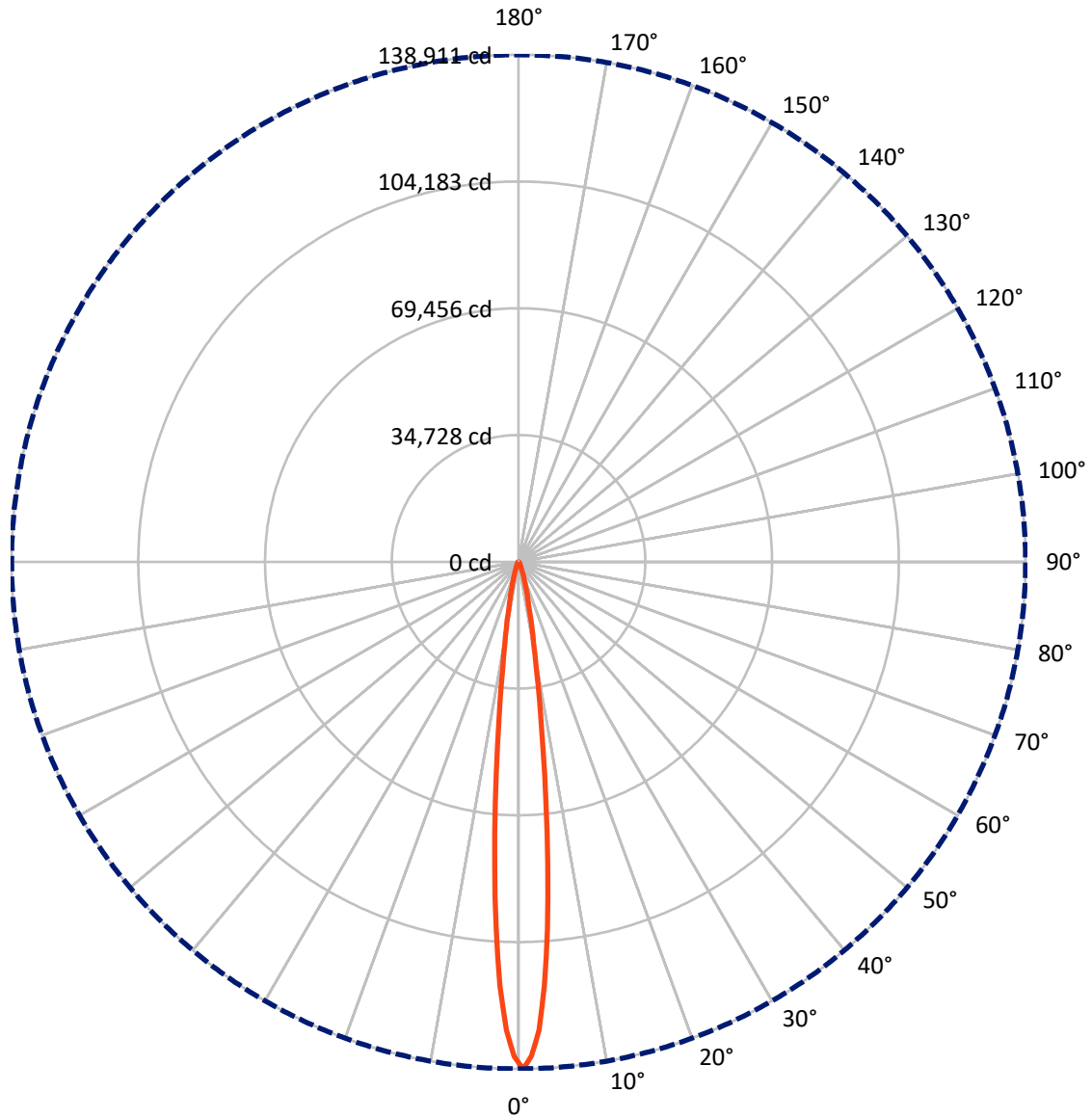
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 347.3 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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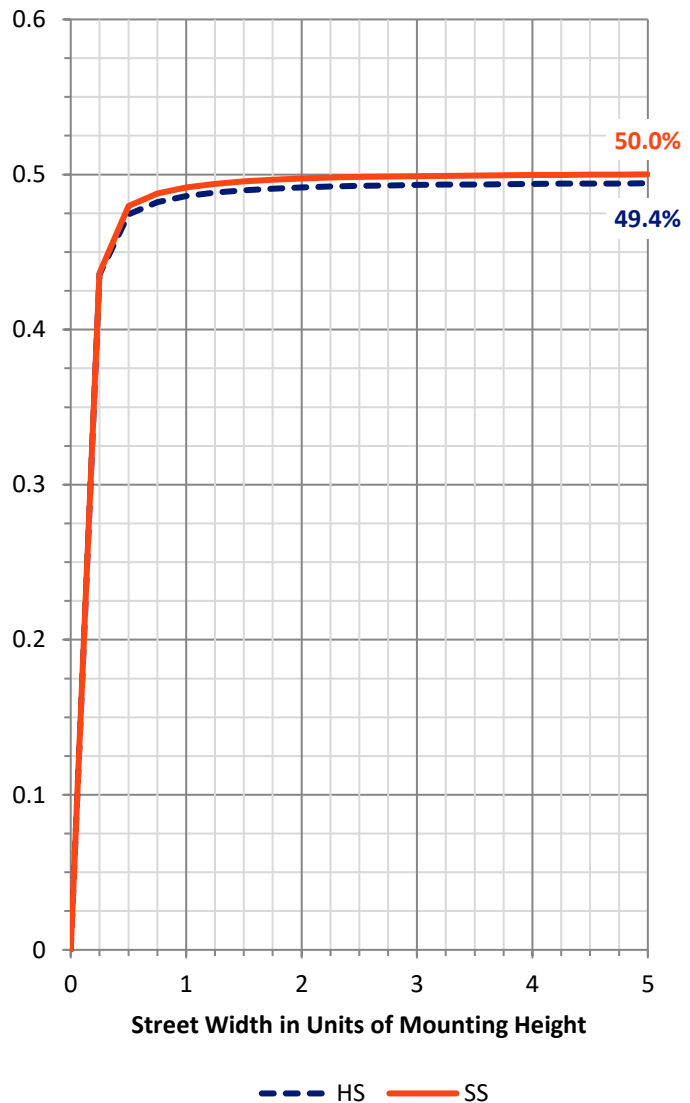
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4879.7	0.0	4879.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4879.7	0.0	4879.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9759.3	0.0	9759.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5949.1	61.0
10°-20°	2665.2	27.3
20°-30°	595.2	6.1
30°-40°	194.3	2.0
40°-50°	134.0	1.4
50°-60°	101.2	1.0
60°-70°	69.3	0.7
70°-80°	36.5	0.4
80°-90°	14.6	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°	9759.3	100.0
0°-180°	9759.3	100.0

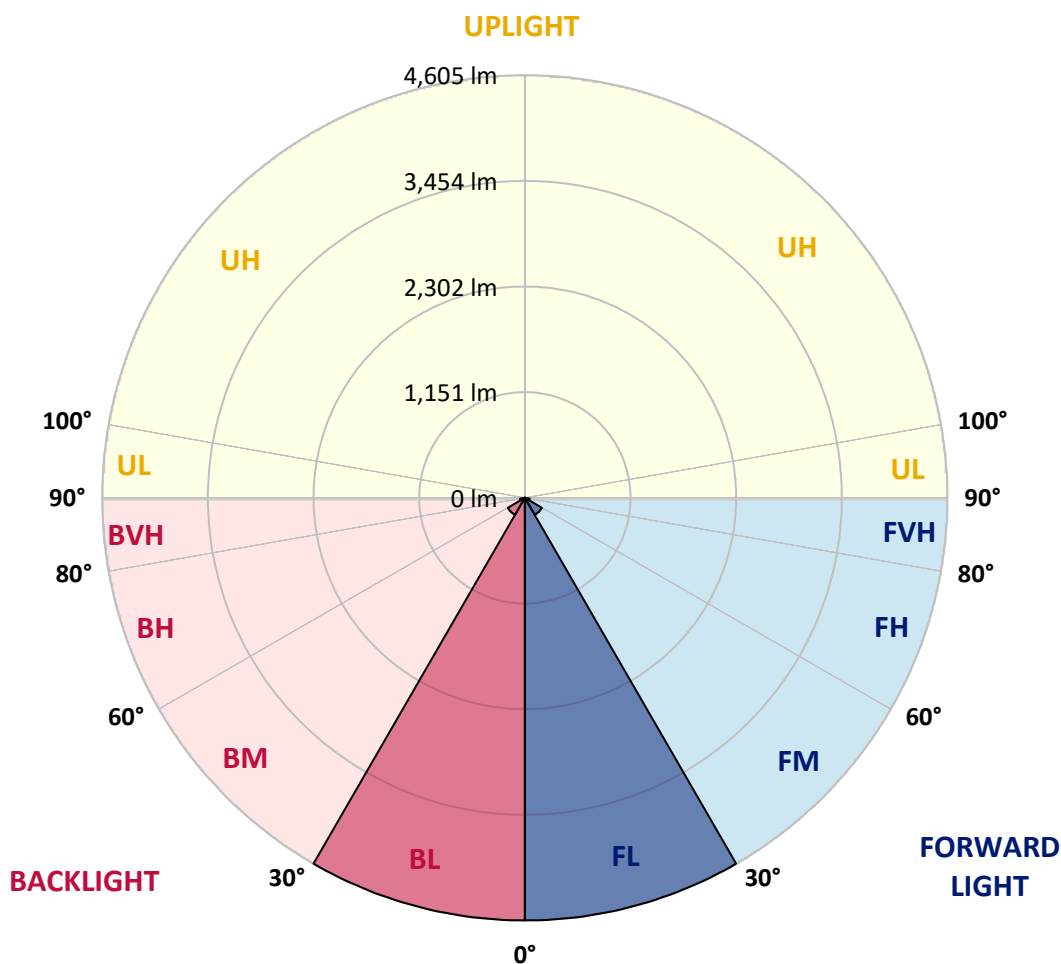


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4604.8	47.2			
FM (30°-60°)	214.7	2.2			
FH (60°-80°)	52.9	0.5			G0/660
FVH (80°-90°)	7.3	0.1			G0/10
BL (0°-30°)	4604.8	47.2	B4/5000		
BM (30°-60°)	214.7	2.2	B0/220		
BH (60°-80°)	52.9	0.5	B0/110		G0/660
BVH (80°-90°)	7.3	0.1			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°	138911.2	138911.2	138911.2	138911.2	138911.2	138911.2	138911.2	138911.2	138911.2	138911.2
1°	135462.4	135646.6	135441.5	136477.5	136905.2	137127.7	137153.7	137737.8	137287.6	137412.8
2°	128323.1	128733.3	128046.7	128710.7	130038.8	130541.2	129722.4	130734.1	130372.5	130582.9
3°	116326.9	116829.3	115880.1	116691.9	118400.7	118783.1	117441.2	118878.7	118842.2	119144.7
4°	100864.5	101679.8	100323.9	101285.2	102041.3	103372.9	102072.6	103708.4	103677.1	104202.1
5°	83312.6	84194.0	83015.4	84013.2	84729.4	85224.8	84748.5	86558.1	86672.8	87215.2
6°	66138.0	66960.2	65644.3	66596.9	67732.0	67935.4	67812.0	69369.5	69715.5	69293.1
7°	50899.9	51105.0	50898.1	51763.8	52674.7	52707.7	52867.6	54237.4	54541.6	54395.6
8°	38981.9	38043.2	38849.8	39308.7	39590.3	40883.6	40979.2	41669.4	42229.1	42269.1
9°	29673.2	28804.0	29737.5	29920.0	30566.7	31715.7	31571.4	32325.9	32677.0	32654.4
10°	22622.5	22181.0	22648.6	22850.3	23382.2	24355.7	24524.3	24870.2	25130.9	25301.3
12.5°	12276.0	12378.6	12649.8	12861.9	13578.0	13837.1	13941.4	13970.9	13969.2	13997.0
15°	7626.0	7709.5	7898.9	8283.1	8719.4	9041.0	9086.2	8919.3	8775.1	8752.5
17.5°	4756.1	4723.0	5168.0	5588.7	6113.7	6280.6	6106.7	5915.5	5719.1	5606.1
20°	2854.3	2876.9	3028.2	3215.9	3640.0	3928.6	3747.8	3553.1	3349.7	3215.9
22.5°	1621.9	1646.2	1712.2	1809.6	1971.3	2233.7	2119.0	1922.6	1778.3	1719.2
25°	957.8	957.8	997.8	1041.3	1109.1	1169.9	1145.6	1041.3	956.1	931.7
27.5°	620.6	615.4	629.3	650.1	681.4	684.9	657.1	625.8	582.3	566.7
30°	453.7	455.4	453.7	462.4	460.7	448.5	431.1	432.8	415.5	413.7
32.5°	368.5	370.3	370.3	368.5	359.8	340.7	328.5	340.7	337.2	333.8
35°	305.9	307.7	325.1	323.3	309.4	288.6	279.9	293.8	304.2	288.6
37.5°	264.2	266.0	279.9	286.8	269.4	255.5	245.1	257.3	272.9	255.5
40°	232.9	234.7	238.2	239.9	231.2	224.2	219.0	222.5	229.5	220.8
42.5°	205.1	203.4	205.1	203.4	193.0	196.4	193.0	187.7	193.0	186.0
45°	179.0	179.0	179.0	173.8	163.4	170.4	166.9	161.7	163.4	158.2
47.5°	163.4	163.4	163.4	156.4	147.8	147.8	149.5	140.8	142.5	140.8
50°	147.8	147.8	151.2	144.3	137.3	132.1	133.9	126.9	128.6	126.9
52.5°	135.6	135.6	135.6	132.1	126.9	123.4	119.9	116.5	114.7	113.0
55°	130.4	130.4	128.6	118.2	116.5	113.0	106.0	104.3	100.8	99.1
57.5°	121.7	121.7	119.9	111.3	104.3	104.3	93.9	92.1	86.9	86.9
60°	107.8	107.8	106.0	104.3	95.6	90.4	83.4	80.0	74.7	73.0
62.5°	102.6	102.6	99.1	90.4	88.7	80.0	73.0	66.1	62.6	59.1
65°	95.6	93.9	92.1	83.4	76.5	71.3	62.6	53.9	50.4	43.5
67.5°	85.2	85.2	83.4	76.5	69.5	60.8	52.1	45.2	36.5	31.3
70°	74.7	73.0	73.0	66.1	60.8	53.9	41.7	34.8	26.1	20.9
72.5°	62.6	62.6	60.8	55.6	52.1	46.9	36.5	27.8	17.4	13.9
75°	50.4	50.4	48.7	45.2	43.5	38.2	31.3	24.3	13.9	7.0
77.5°	41.7	40.0	40.0	36.5	34.8	31.3	26.1	19.1	10.4	5.2
80°	31.3	31.3	33.0	31.3	27.8	26.1	22.6	17.4	8.7	3.5
82.5°	22.6	22.6	24.3	24.3	24.3	22.6	22.6	17.4	8.7	1.7
85°	15.6	15.6	19.1	17.4	17.4	19.1	27.8	22.6	7.0	1.7
87.5°	8.7	8.7	8.7	7.0	7.0	8.7	10.4	8.7	3.5	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
138911.2  
136493.2  
129831.9  
118332.9  
103280.8  
86179.1  
69336.5  
54195.7  
41765.0  
33186.3  
25402.1  
14019.6  
8682.9  
5588.7  
3245.5  
1726.2  
928.3  
566.7  
412.0  
326.8  
285.1  
253.8  
217.3  
186.0  
158.2  
140.8  
126.9  
113.0  
97.3  
86.9  
69.5  
57.4  
41.7  
31.3  
20.9  
12.2  
7.0  
3.5  
1.7  
1.7  
1.7  
1.7  
0.0

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