

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: P636201

Luminaire Tested: **IFLD-M-SA4A-935-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636201  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4A-935-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (64) 3500K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

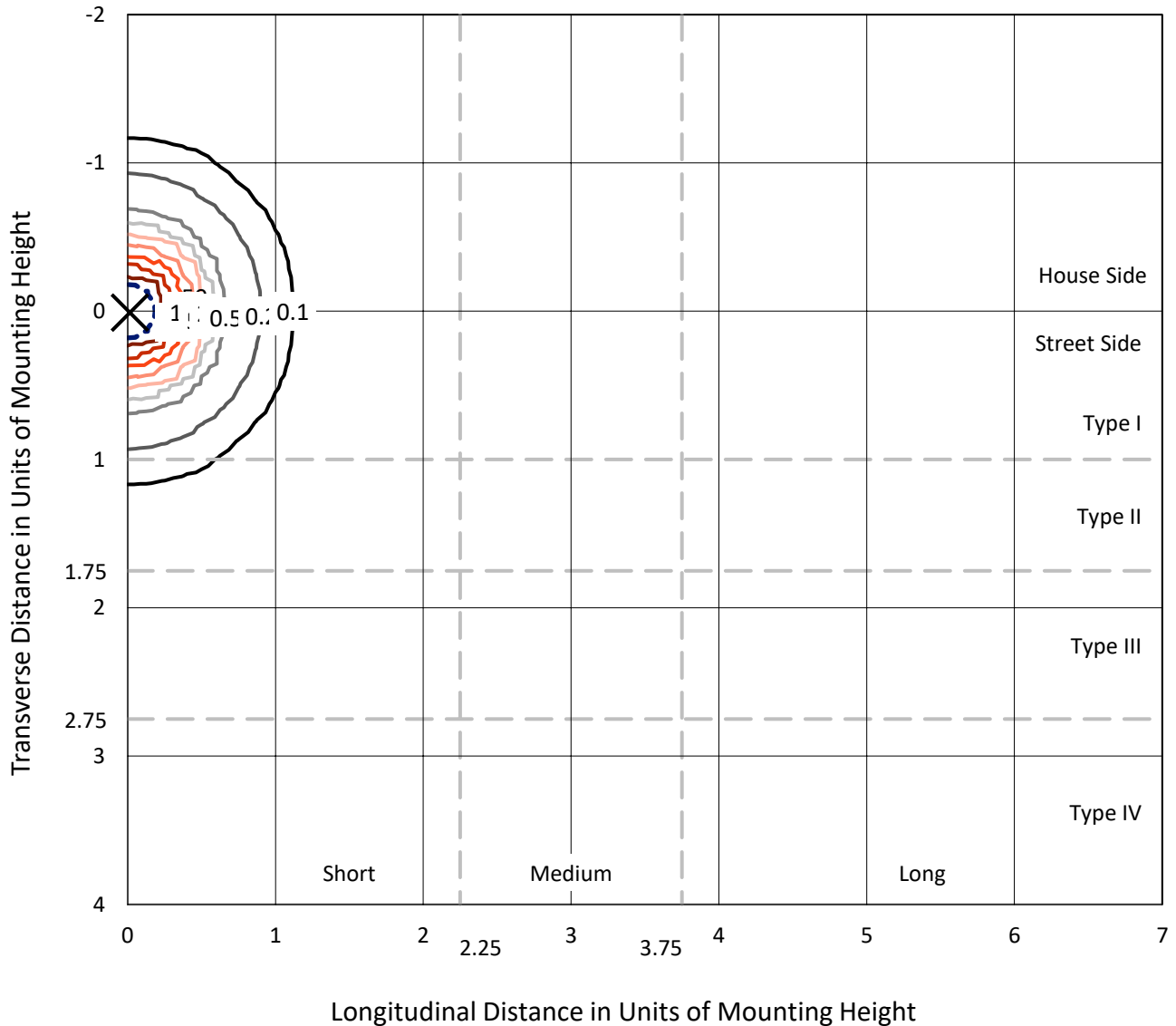
Lumens per Lamp: N/A  
Luminaire Lumens: 11734.7 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0  
  
Input Watts (W): 128.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

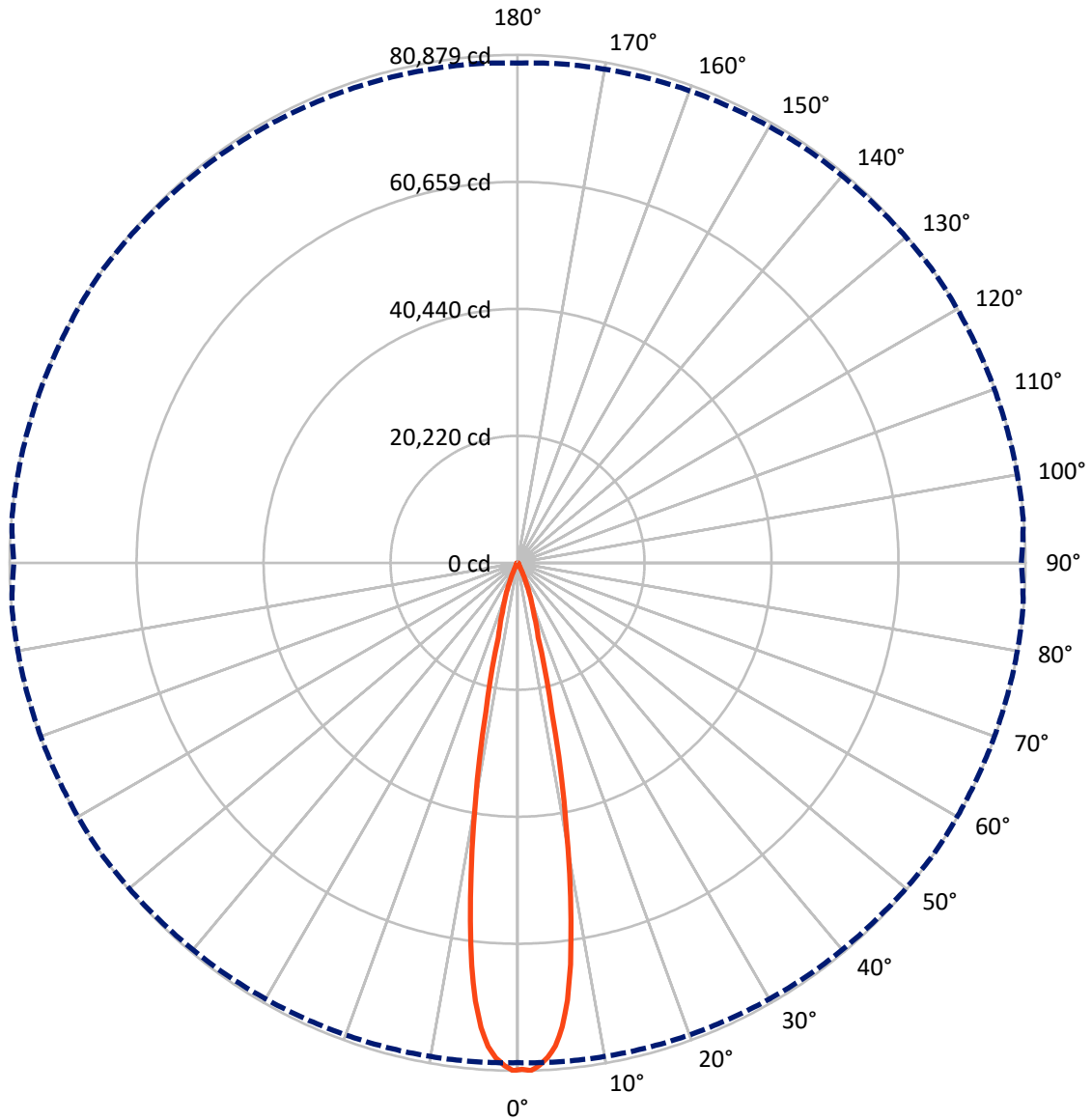
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 201.7 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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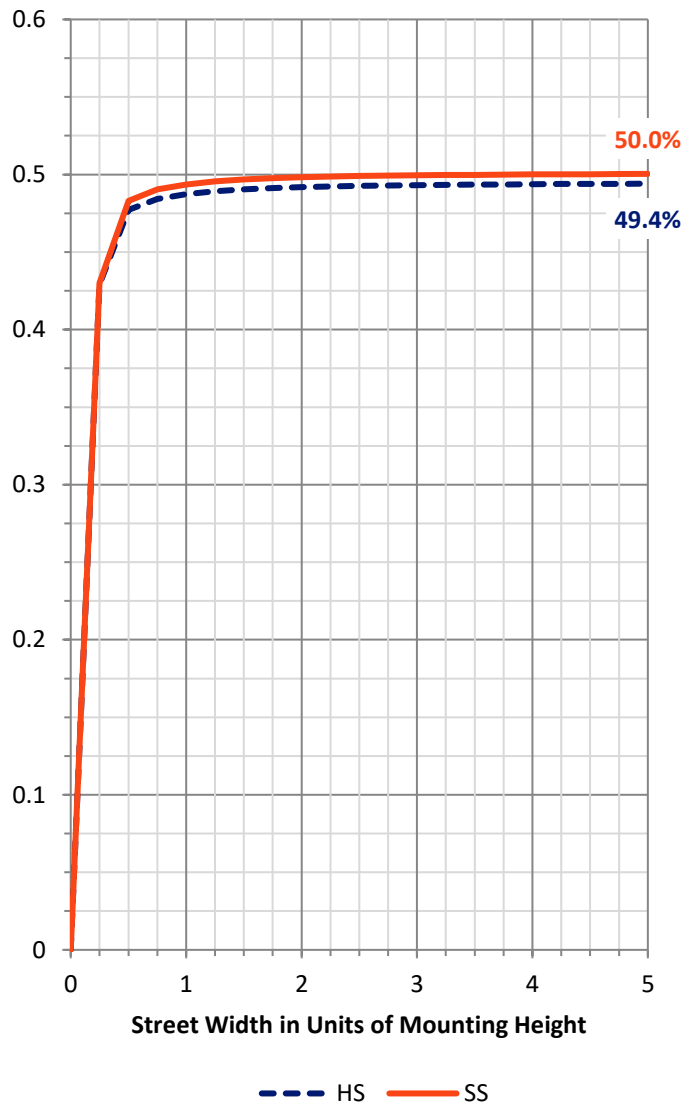
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5867.4	0.0	5867.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	5867.4	0.0	5867.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	11734.7	0.0	11734.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5962.1	50.8
10°-20°	4225.4	36.0
20°-30°	990.1	8.4
30°-40°	206.9	1.8
40°-50°	133.5	1.1
50°-60°	98.9	0.8
60°-70°	67.2	0.6
70°-80°	35.9	0.3
80°-90°	14.7	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°	11734.7	100.0
0°-180°	11734.7	100.0

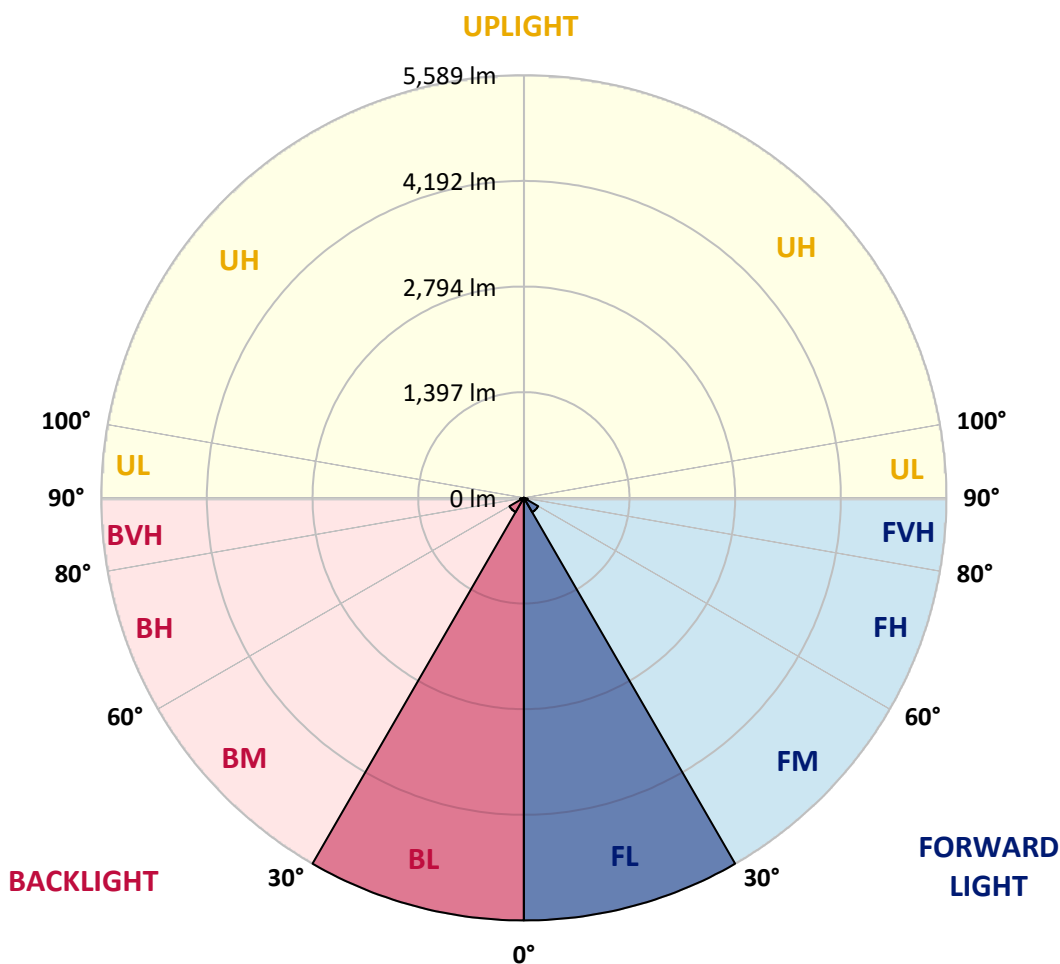


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5588.8	47.6			
FM (30°-60°)	219.7	1.9			
FH (60°-80°)	51.5	0.4			G0/660
FVH (80°-90°)	7.4	0.1			G0/10
BL (0°-30°)	5588.8	47.6	B5		
BM (30°-60°)	219.7	1.9	B0/220		
BH (60°-80°)	51.5	0.4	B0/110		G0/660
BVH (80°-90°)	7.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	80671.8	80671.8	80671.8	80671.8	80671.8	80671.8	80671.8	80671.8	80671.8	80671.8
1°	79586.4	79733.7	79914.3	80078.2	80325.2	80526.5	80879.3	80804.6	80794.2	80808.7
2°	78044.5	78229.2	78507.3	78671.2	79308.3	79569.8	80103.1	80260.9	80134.3	80277.5
3°	75734.7	75886.2	76322.0	76643.7	77469.6	78175.2	78889.1	79125.7	78978.4	79044.8
4°	72985.0	73140.6	73667.7	74323.5	75516.8	76299.2	77154.2	77365.9	76884.4	76917.6
5°	69712.3	69784.9	70430.3	71028.0	72455.8	73404.2	74215.6	74282.0	73842.1	73674.0
6°	66030.8	65900.0	66493.6	66746.7	68521.1	69488.2	70081.7	70004.9	69670.8	69527.6
7°	61656.1	61477.6	61957.0	61820.1	63391.0	63943.1	64513.8	64252.3	63986.6	64316.6
8°	56594.5	56494.9	56185.7	56746.0	57057.3	57551.2	57549.2	57397.7	57389.4	57939.3
9°	49235.7	50155.0	49883.1	50470.4	50391.6	50368.8	50217.3	50119.7	49704.7	50337.6
10°	41154.6	41756.4	42215.0	43090.8	42920.6	43161.4	42318.8	42462.0	42186.0	42708.9
12.5°	21302.6	21979.1	22375.5	23043.7	23778.4	24529.6	24286.8	24035.7	23660.1	24120.8
15°	10486.3	10754.0	10880.6	11559.2	12082.2	12271.0	12300.1	12078.0	11982.6	12082.2
17.5°	6435.4	6528.8	6896.1	7676.4	8128.8	8240.9	8168.2	7925.4	7653.6	7539.4
20°	4659.0	4685.9	4825.0	4976.5	5580.4	5895.8	5779.6	5541.0	5289.8	5171.6
22.5°	3042.3	3069.3	3115.0	3198.0	3359.9	3750.0	3623.4	3461.5	3291.4	3256.1
25°	1722.5	1722.5	1770.2	1855.3	1975.7	2004.7	2029.6	1857.4	1778.5	1743.2
27.5°	960.8	967.1	977.4	1010.7	1070.8	1064.6	1037.6	992.0	938.0	882.0
30°	531.3	537.5	543.7	552.0	562.4	543.7	527.1	518.8	496.0	489.8
32.5°	398.5	398.5	402.6	400.5	390.1	367.3	356.9	369.4	367.3	356.9
35°	327.9	327.9	332.0	340.3	319.6	303.0	294.7	311.3	311.3	305.1
37.5°	267.7	269.8	271.9	282.2	276.0	257.3	255.3	259.4	261.5	259.4
40°	234.5	232.4	232.4	234.5	230.4	226.2	222.1	220.0	222.1	220.0
42.5°	203.4	201.3	205.5	201.3	193.0	195.1	195.1	188.8	190.9	186.8
45°	178.5	176.4	178.5	174.3	168.1	170.2	170.2	161.9	161.9	159.8
47.5°	157.7	157.7	157.7	159.8	149.4	147.3	149.4	147.3	141.1	139.0
50°	137.0	139.0	141.1	145.3	134.9	130.7	130.7	130.7	126.6	124.5
52.5°	126.6	128.7	128.7	128.7	122.4	118.3	118.3	116.2	114.1	112.1
55°	122.4	122.4	122.4	114.1	112.1	110.0	103.8	101.7	99.6	99.6
57.5°	116.2	116.2	114.1	107.9	101.7	101.7	93.4	91.3	89.2	89.2
60°	103.8	103.8	103.8	101.7	93.4	91.3	83.0	78.9	76.8	76.8
62.5°	95.5	95.5	95.5	87.2	85.1	78.9	72.6	66.4	64.3	60.2
65°	87.2	87.2	87.2	78.9	74.7	68.5	60.2	54.0	49.8	43.6
67.5°	80.9	80.9	78.9	72.6	66.4	58.1	49.8	43.6	35.3	31.1
70°	70.6	70.6	68.5	64.3	58.1	51.9	41.5	33.2	27.0	20.8
72.5°	60.2	60.2	58.1	54.0	49.8	43.6	35.3	29.1	18.7	14.5
75°	49.8	49.8	47.7	43.6	41.5	37.4	31.1	22.8	14.5	6.2
77.5°	41.5	41.5	39.4	37.4	35.3	31.1	27.0	18.7	10.4	4.2
80°	31.1	33.2	33.2	33.2	29.1	27.0	24.9	18.7	8.3	2.1
82.5°	22.8	24.9	24.9	24.9	22.8	20.8	22.8	16.6	8.3	2.1
85°	16.6	16.6	18.7	18.7	18.7	18.7	24.9	18.7	6.2	2.1
87.5°	8.3	8.3	8.3	8.3	8.3	10.4	12.5	10.4	4.2	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°  
80671.8  
**80229.7**  
79733.7  
78546.7  
76423.7  
73323.3  
69205.9  
64214.9  
56414.0  
49156.8  
41368.3  
22873.6  
11617.3  
7379.6  
5080.2  
3183.5  
1714.2  
884.1  
489.8  
350.7  
303.0  
259.4  
222.1  
188.8  
159.8  
139.0  
122.4  
110.0  
97.5  
89.2  
74.7  
56.0  
43.6  
29.1  
20.8  
12.5  
6.2  
2.1  
2.1  
2.1  
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