

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: P636286

Luminaire Tested: **IFLD-S-SA6D-927-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636286
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-927-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27062.1 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

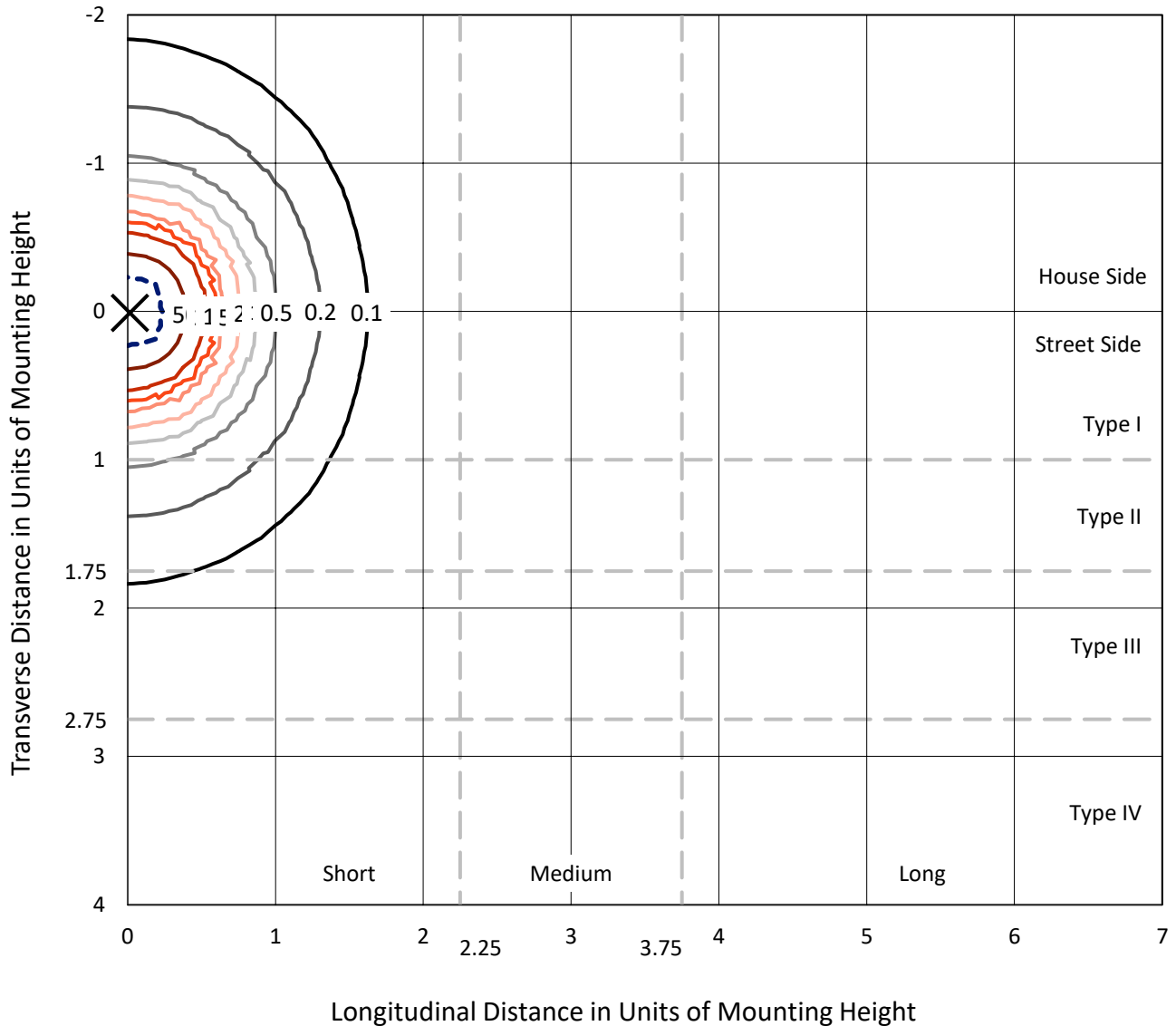
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

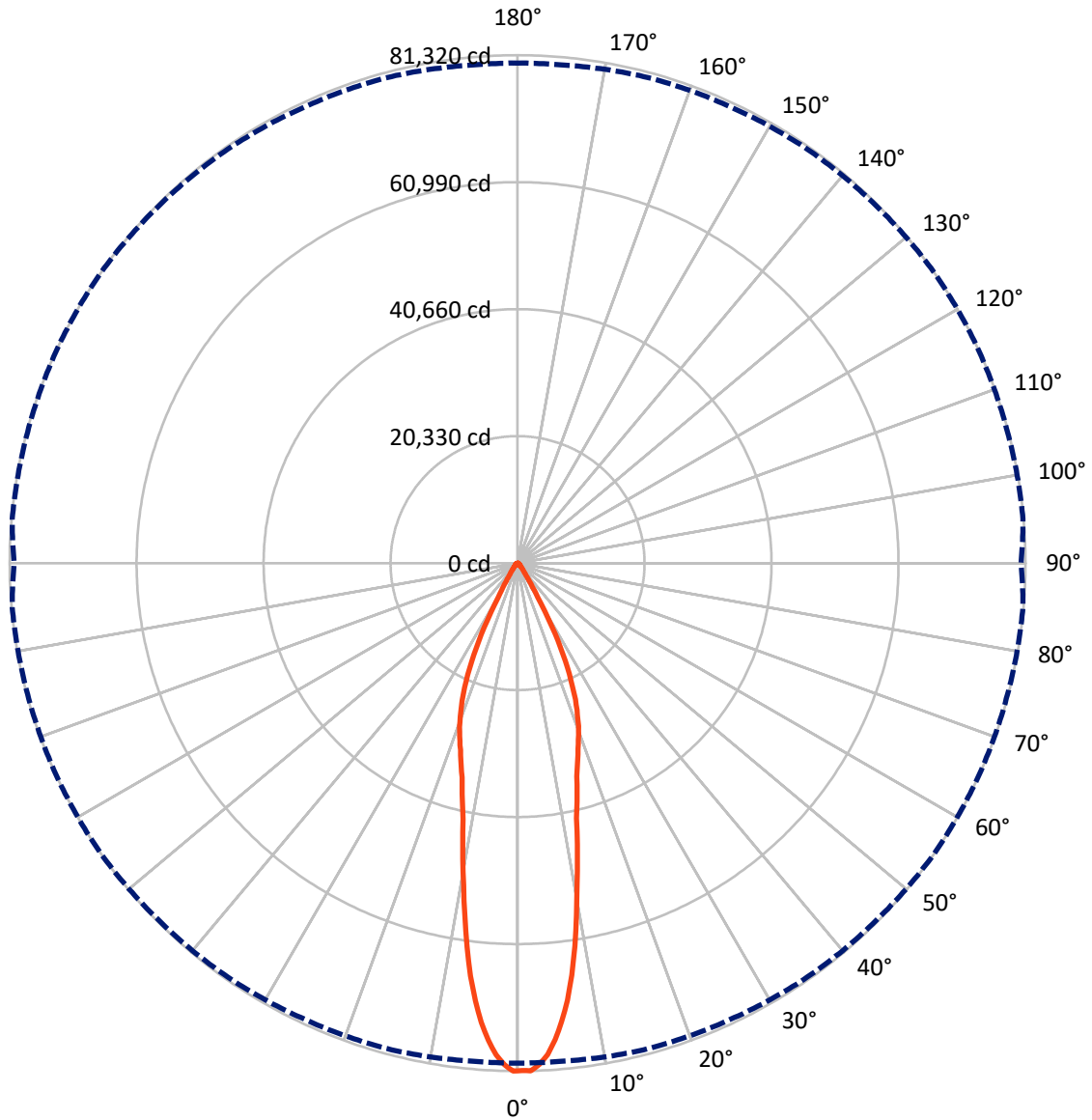
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 203.1 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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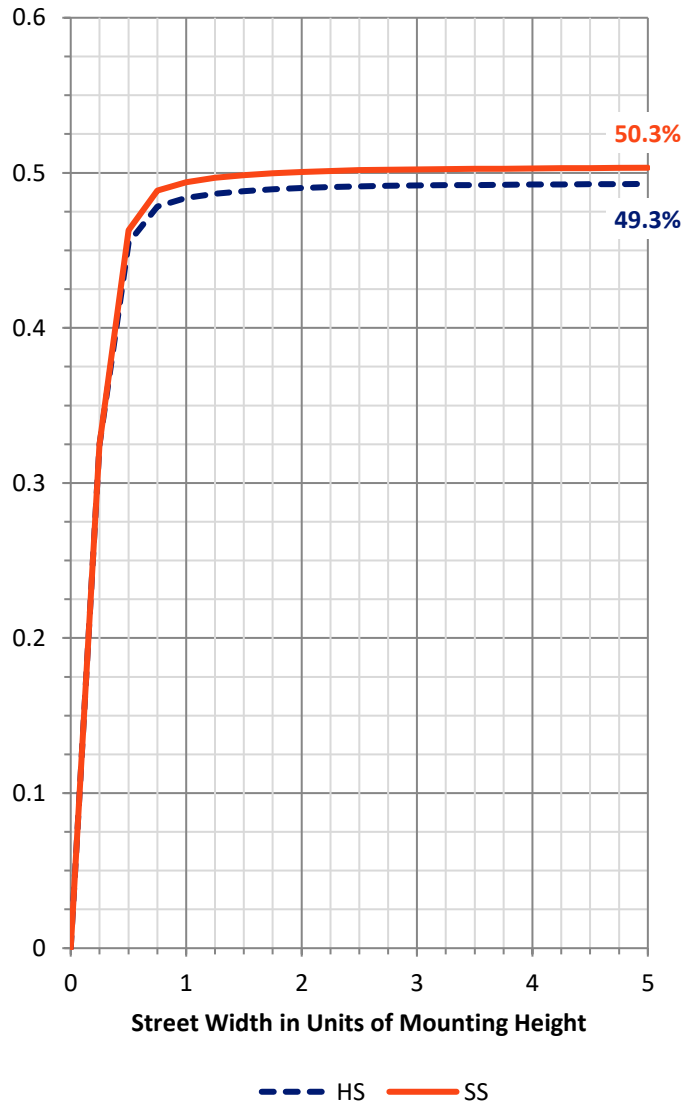
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13531.0	0.0	13531.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13531.0	0.0	13531.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27062.1	0.0	27062.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6180.2	22.8
10°-20°	10093.9	37.3
20°-30°	7887.7	29.1
30°-40°	1719.3	6.4
40°-50°	509.0	1.9
50°-60°	318.3	1.2
60°-70°	222.7	0.8
70°-80°	95.6	0.4
80°-90°	35.3	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°	27062.1	100.0
0°-180°	27062.1	100.0



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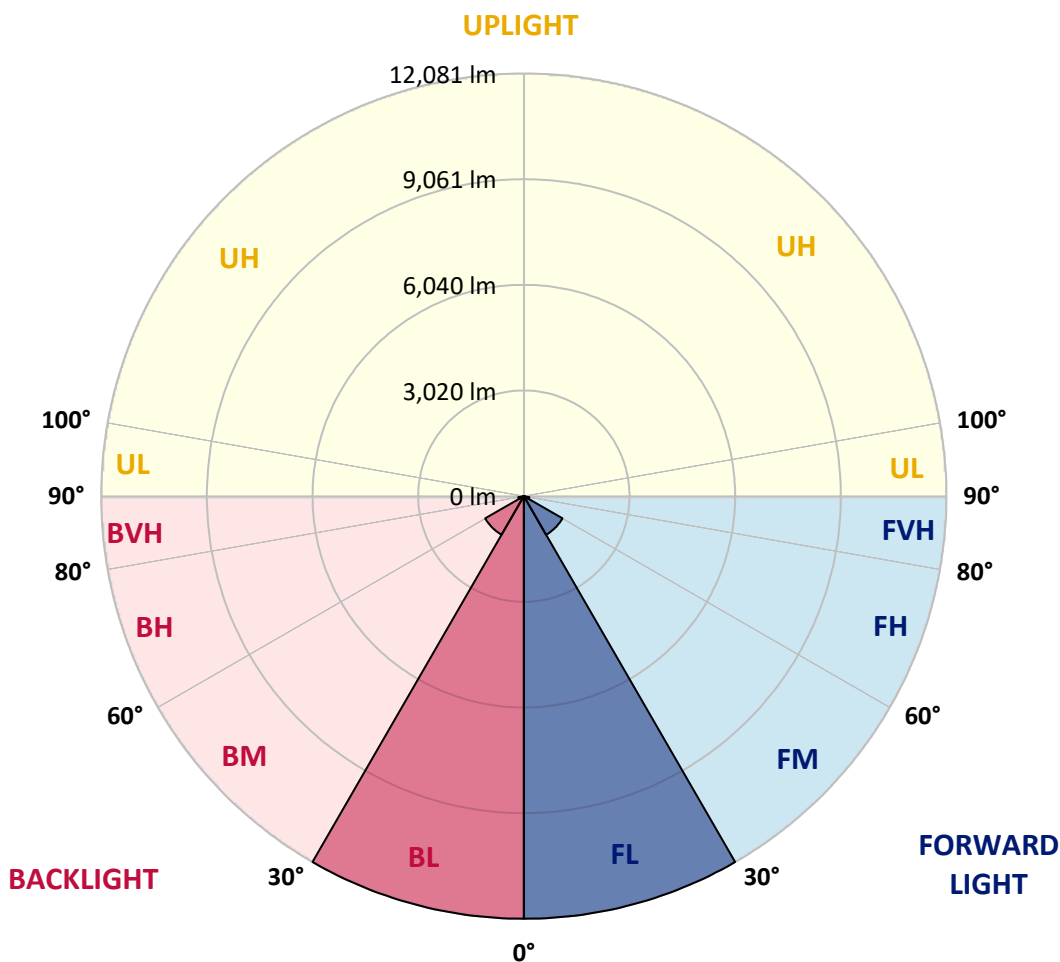
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12080.9	44.6			
FM (30°-60°)	1273.3	4.7			
FH (60°-80°)	159.1	0.6			G0/660
FVH (80°-90°)	17.7	0.1			G1/100
BL (0°-30°)	12080.9	44.6	B5		
BM (30°-60°)	1273.3	4.7	B2/2500		
BH (60°-80°)	159.1	0.6	B1/500		G0/660
BVH (80°-90°)	17.7	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°	81227.0	81227.0	81227.0	81227.0	81227.0	81227.0	81227.0	81227.0	81227.0	81227.0
1°	80051.2	80061.0	80497.1	80595.0	80893.9	81045.8	81320.1	81290.7	81207.4	81217.2
2°	78576.6	78512.9	78919.5	79370.3	79727.9	80021.8	80350.1	80418.7	80340.3	80413.8
3°	76151.6	76058.5	76626.8	77190.2	77812.3	78317.0	78811.8	78831.4	78738.3	78733.4
4°	72962.2	72790.8	73466.9	74471.2	75255.0	75926.2	76543.5	76533.7	76406.3	76509.2
5°	69106.7	68891.1	69768.0	71090.8	72251.9	73060.2	73741.2	73579.5	73285.6	73300.3
6°	64374.1	64584.8	65657.7	67514.4	68886.2	69557.4	70395.1	70091.4	69581.9	69528.0
7°	59925.7	60401.0	61258.3	63497.2	65128.6	65834.1	66544.4	65932.0	65241.3	65128.6
8°	55242.2	56035.9	57221.4	59284.0	61023.1	61733.5	62003.0	61346.5	60606.7	60577.3
9°	51445.4	51989.2	53008.2	54825.8	56594.4	57069.6	57128.4	56555.2	55815.4	55864.4
10°	47991.5	48094.4	48976.3	50539.1	51954.9	52293.0	52278.3	51861.8	51254.3	51416.0
12.5°	40260.8	40540.0	40794.8	41294.5	41769.7	41990.2	41906.9	41735.4	41402.3	41417.0
15°	35013.8	35008.9	35038.3	35268.6	35410.7	35435.2	35435.2	35219.6	35077.5	35288.2
17.5°	30384.2	30638.9	31094.6	31280.7	31466.9	31398.3	31270.9	31173.0	31079.9	31261.1
20°	26783.4	26896.0	26900.9	27023.4	27964.0	28013.0	27851.4	27572.1	27337.0	27292.9
22.5°	22731.8	22903.3	22976.8	23084.5	23182.5	23897.8	23706.7	23256.0	22976.8	22893.5
25°	17063.6	17004.8	17484.9	18366.7	18508.8	18597.0	18548.0	18312.8	18131.6	18165.8
27.5°	11792.1	11895.0	11875.4	11885.2	12820.9	12816.0	12801.3	12595.6	12541.7	12463.3
30°	6594.2	6545.2	6569.7	6506.0	6373.7	6535.4	6275.7	6496.2	6280.6	6349.2
32.5°	3899.7	3865.4	3831.1	3845.8	3747.8	3507.8	3404.9	3556.7	3507.8	3488.2
35°	2488.7	2503.4	2547.5	2542.6	2454.4	2317.3	2170.3	2307.5	2287.9	2229.1
37.5°	1587.3	1587.3	1602.0	1729.4	1655.9	1538.3	1435.4	1494.2	1489.3	1479.5
40°	1126.8	1126.8	1146.4	1180.7	1141.5	1082.7	1023.9	1023.9	1033.7	1004.3
42.5°	837.7	837.7	857.3	876.9	827.9	808.4	779.0	759.4	783.9	759.4
45°	656.5	651.6	656.5	646.7	617.3	617.3	592.8	563.4	592.8	578.1
47.5°	538.9	534.0	529.1	509.5	480.1	485.0	475.2	450.7	465.4	460.5
50°	470.3	460.5	465.4	445.8	421.3	416.4	416.4	391.9	396.8	396.8
52.5°	411.5	411.5	406.6	396.8	387.0	367.4	372.3	347.8	347.8	347.8
55°	387.0	387.0	377.2	357.6	362.5	347.8	333.1	318.4	313.5	313.5
57.5°	382.1	382.1	377.2	357.6	342.9	338.0	318.4	298.8	284.1	289.0
60°	372.3	372.3	362.5	357.6	333.1	323.3	293.9	279.2	259.7	259.7
62.5°	357.6	352.7	333.1	303.7	303.7	279.2	259.7	230.3	215.6	210.7
65°	303.7	298.8	284.1	259.7	245.0	230.3	200.9	171.5	161.7	147.0
67.5°	249.9	249.9	240.1	215.6	205.8	186.2	151.9	132.3	107.8	98.0
70°	205.8	205.8	196.0	181.3	171.5	147.0	117.6	98.0	73.5	63.7
72.5°	166.6	166.6	156.8	147.0	137.2	122.5	98.0	73.5	49.0	39.2
75°	132.3	132.3	127.4	117.6	107.8	98.0	78.4	58.8	34.3	19.6
77.5°	107.8	107.8	102.9	98.0	88.2	78.4	63.7	49.0	24.5	9.8
80°	83.3	83.3	83.3	83.3	73.5	63.7	53.9	39.2	19.6	4.9
82.5°	58.8	58.8	63.7	73.5	58.8	49.0	49.0	39.2	14.7	4.9
85°	39.2	44.1	49.0	44.1	39.2	39.2	68.6	63.7	14.7	4.9
87.5°	19.6	19.6	19.6	19.6	19.6	14.7	19.6	14.7	9.8	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°
81227.0
80614.6
79835.7
78307.2
76024.2
72585.0
68812.7
64594.6
59504.4
55134.4
50847.7
40932.0
34798.3
30844.7
27008.7
22594.6
18048.3
12179.2
6432.5
3439.2
2165.4
1459.9
994.5
754.5
578.1
460.5
401.7
347.8
308.6
289.0
245.0
200.9
142.1
93.1
58.8
34.3
14.7
9.8
4.9
4.9
4.9
0.0
0.0

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