

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: P636353

Luminaire Tested: **IFLD-L-SA7C-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636353
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27519.4 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

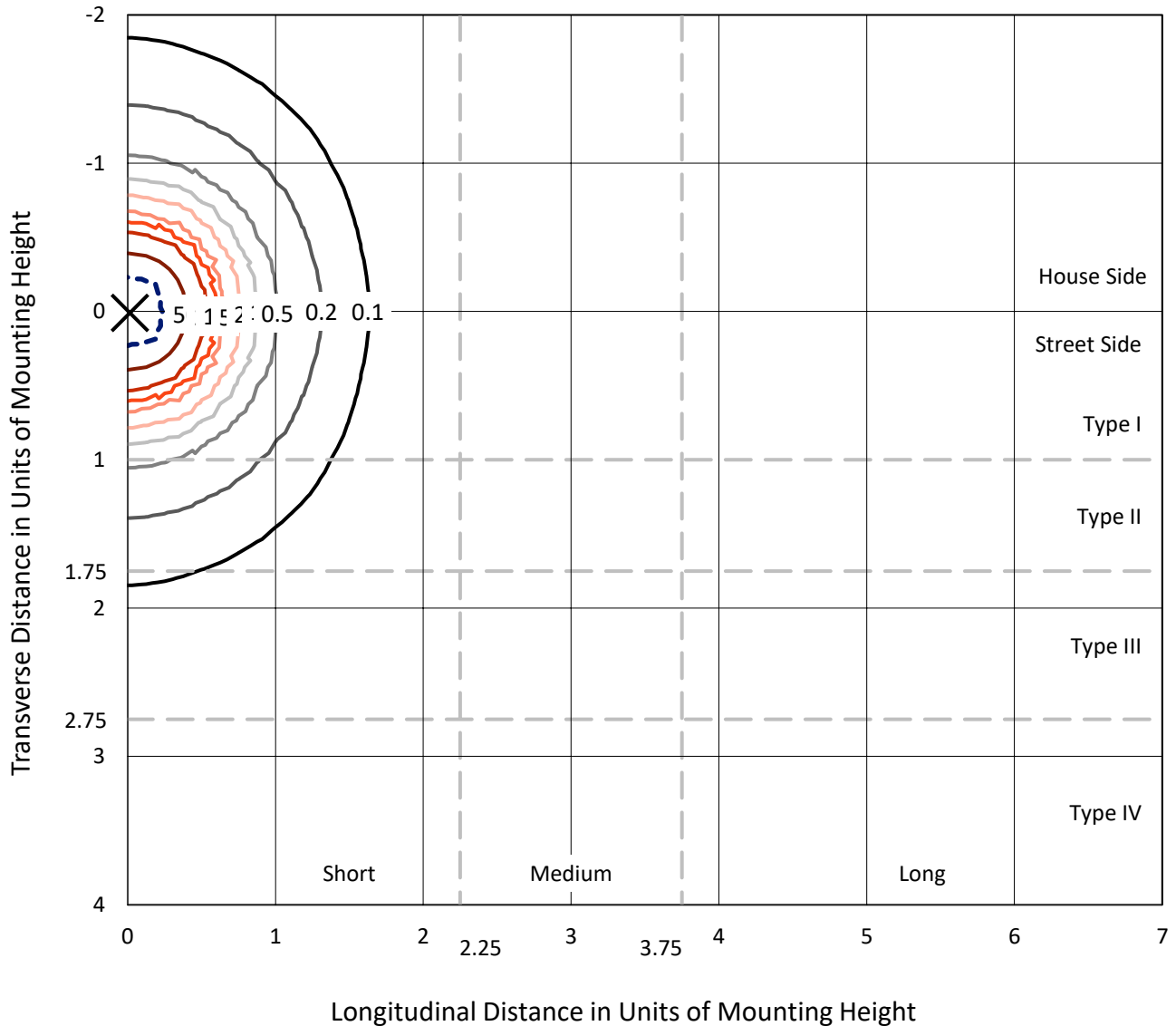
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

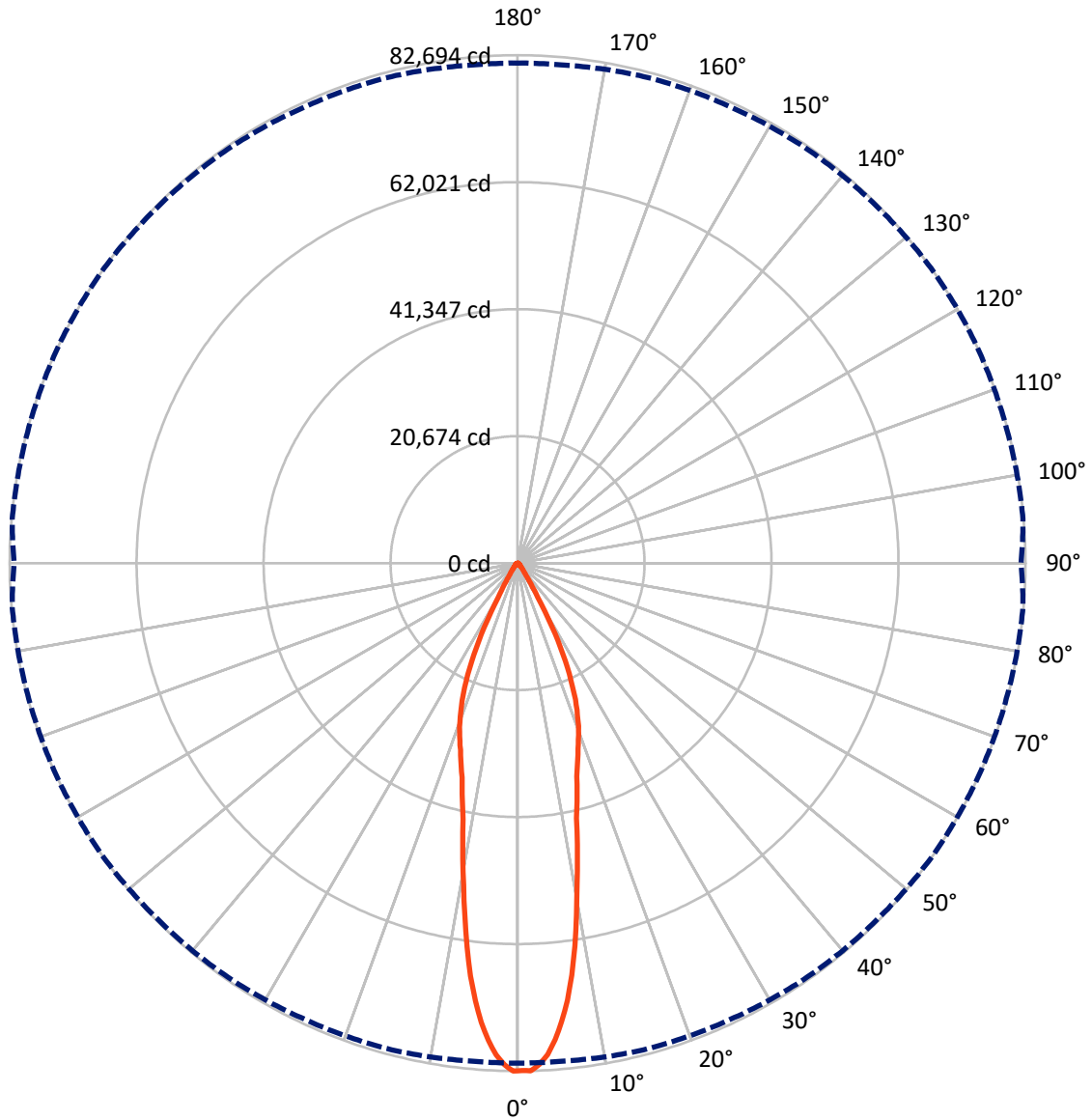
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 206.5 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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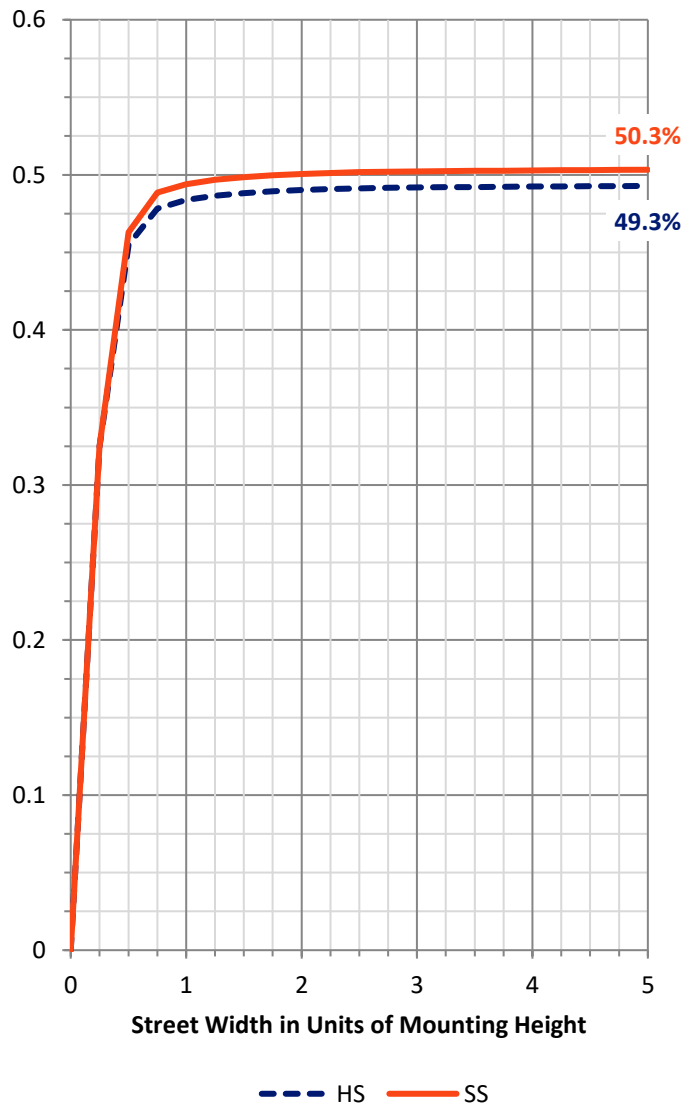
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13759.7	0.0	13759.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13759.7	0.0	13759.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27519.4	0.0	27519.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6284.6	22.8
10°-20°	10264.5	37.3
20°-30°	8021.0	29.1
30°-40°	1748.3	6.4
40°-50°	517.6	1.9
50°-60°	323.8	1.2
60°-70°	226.4	0.8
70°-80°	97.2	0.4
80°-90°	35.9	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°	27519.4	100.0
0°-180°	27519.4	100.0



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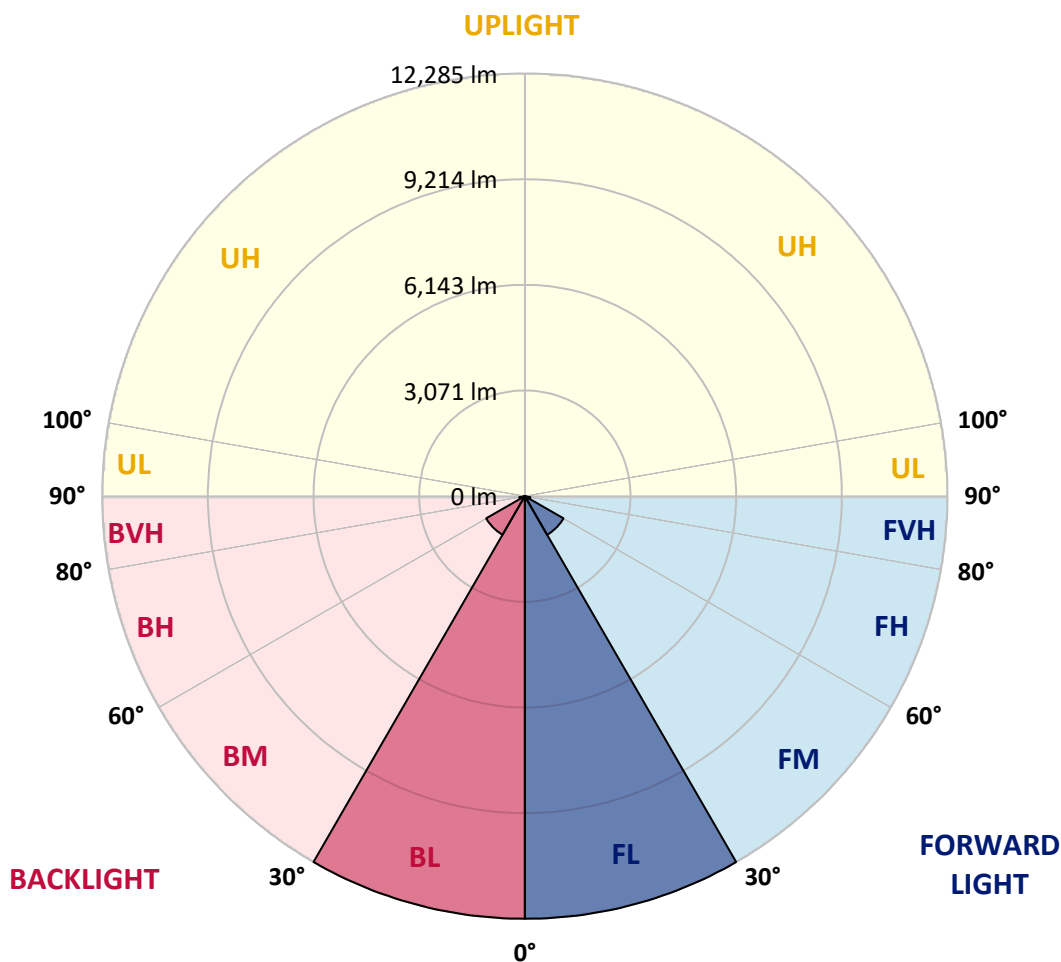
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12285.1	44.6			
FM (30°-60°)	1294.9	4.7			
FH (60°-80°)	161.8	0.6			G0/660
FVH (80°-90°)	17.9	0.1			G1/100
BL (0°-30°)	12285.1	44.6	B5		
BM (30°-60°)	1294.9	4.7	B2/2500		
BH (60°-80°)	161.8	0.6	B1/500		G0/660
BVH (80°-90°)	17.9	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°	82599.7	82599.7	82599.7	82599.7	82599.7	82599.7	82599.7	82599.7	82599.7	82599.7
1°	81404.1	81414.1	81857.4	81957.1	82261.0	82415.4	82694.4	82664.5	82579.8	82589.8
2°	79904.5	79839.8	80253.3	80711.6	81075.3	81374.2	81708.0	81777.7	81698.0	81772.8
3°	77438.5	77343.9	77921.8	78494.7	79127.4	79640.5	80143.7	80163.6	80068.9	80064.0
4°	74195.3	74020.9	74708.4	75729.7	76526.8	77209.3	77837.1	77827.1	77697.6	77802.2
5°	70274.5	70055.3	70947.1	72292.2	73472.9	74294.9	74987.4	74823.0	74524.1	74539.0
6°	65462.0	65676.3	66767.3	68655.4	70050.4	70732.9	71584.8	71275.9	70757.8	70703.0
7°	60938.5	61421.7	62293.6	64570.3	66229.3	66946.6	67669.0	67046.3	66343.8	66229.3
8°	56175.8	56982.9	58188.5	60285.9	62054.4	62776.8	63050.8	62383.2	61631.0	61601.1
9°	52314.8	52867.8	53904.1	55752.3	57550.8	58034.0	58093.8	57510.9	56758.7	56808.5
10°	48802.6	48907.2	49804.0	51393.2	52833.0	53176.7	53161.8	52738.3	52120.5	52284.9
12.5°	40941.2	41225.1	41484.2	41992.4	42475.6	42699.8	42615.1	42440.7	42102.0	42116.9
15°	35605.6	35600.6	35630.5	35864.6	36009.1	36034.0	36034.0	35814.8	35670.3	35884.6
17.5°	30897.7	31156.7	31620.1	31809.4	31998.7	31928.9	31799.4	31699.8	31605.1	31789.4
20°	27236.0	27350.6	27355.6	27480.1	28436.6	28486.5	28322.0	28038.1	27798.9	27754.1
22.5°	23116.0	23290.3	23365.1	23474.7	23574.3	24301.7	24107.4	23649.0	23365.1	23280.4
25°	17351.9	17292.1	17780.4	18677.1	18821.6	18911.3	18861.4	18622.3	18438.0	18472.9
27.5°	11991.4	12096.0	12076.1	12086.1	13037.6	13032.6	13017.7	12808.4	12753.6	12673.9
30°	6705.6	6655.8	6680.7	6616.0	6481.4	6645.8	6381.8	6606.0	6386.8	6456.5
32.5°	3965.6	3930.7	3895.8	3910.8	3811.1	3567.0	3462.4	3616.9	3567.0	3547.1
35°	2530.8	2545.7	2590.6	2585.6	2495.9	2356.4	2207.0	2346.5	2326.5	2266.8
37.5°	1614.1	1614.1	1629.1	1758.6	1683.9	1564.3	1459.7	1519.5	1514.5	1504.5
40°	1145.8	1145.8	1165.8	1200.6	1160.8	1101.0	1041.2	1041.2	1051.2	1021.3
42.5°	851.9	851.9	871.8	891.8	841.9	822.0	792.1	772.2	797.1	772.2
45°	667.6	662.6	667.6	657.6	627.7	627.7	602.8	572.9	602.8	587.9
47.5°	548.0	543.0	538.0	518.1	488.2	493.2	483.2	458.3	473.3	468.3
50°	478.3	468.3	473.3	453.4	428.4	423.5	423.5	398.6	403.5	403.5
52.5°	418.5	418.5	413.5	403.5	393.6	373.6	378.6	353.7	353.7	353.7
55°	393.6	393.6	383.6	363.7	368.7	353.7	338.8	323.8	318.8	318.8
57.5°	388.6	388.6	383.6	363.7	348.7	343.8	323.8	303.9	288.9	293.9
60°	378.6	378.6	368.7	363.7	338.8	328.8	298.9	284.0	264.0	264.0
62.5°	363.7	358.7	338.8	308.9	308.9	284.0	264.0	234.1	219.2	214.2
65°	308.9	303.9	288.9	264.0	249.1	234.1	204.3	174.4	164.4	149.5
67.5°	254.1	254.1	244.1	219.2	209.2	189.3	154.4	134.5	109.6	99.6
70°	209.2	209.2	199.3	184.3	174.4	149.5	119.6	99.6	74.7	64.8
72.5°	169.4	169.4	159.4	149.5	139.5	124.5	99.6	74.7	49.8	39.9
75°	134.5	134.5	129.5	119.6	109.6	99.6	79.7	59.8	34.9	19.9
77.5°	109.6	109.6	104.6	99.6	89.7	79.7	64.8	49.8	24.9	10.0
80°	84.7	84.7	84.7	84.7	74.7	64.8	54.8	39.9	19.9	5.0
82.5°	59.8	59.8	64.8	74.7	59.8	49.8	49.8	39.9	14.9	5.0
85°	39.9	44.8	49.8	44.8	39.9	39.9	69.7	64.8	14.9	5.0
87.5°	19.9	19.9	19.9	19.9	19.9	14.9	19.9	14.9	10.0	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°
82599.7
81977.0
81184.9
79630.5
77309.0
73811.7
69975.6
65686.2
60510.0
56066.2
51707.0
41623.7
35386.4
31366.0
27465.2
22976.5
18353.3
12385.0
6541.2
3497.3
2202.0
1484.6
1011.3
767.2
587.9
468.3
408.5
353.7
313.9
293.9
249.1
204.3
144.5
94.7
59.8
34.9
14.9
10.0
5.0
5.0
5.0
0.0
0.0

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