

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: P636171

Luminaire Tested: **IFLD-S-SA6E-930-U-33-VI**

Issue Date: 01/17/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P636171  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 01/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6E-930-U-33-VI  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 3 distribution lens and Visor  
Light Source: (96) 3000K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32407.2 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

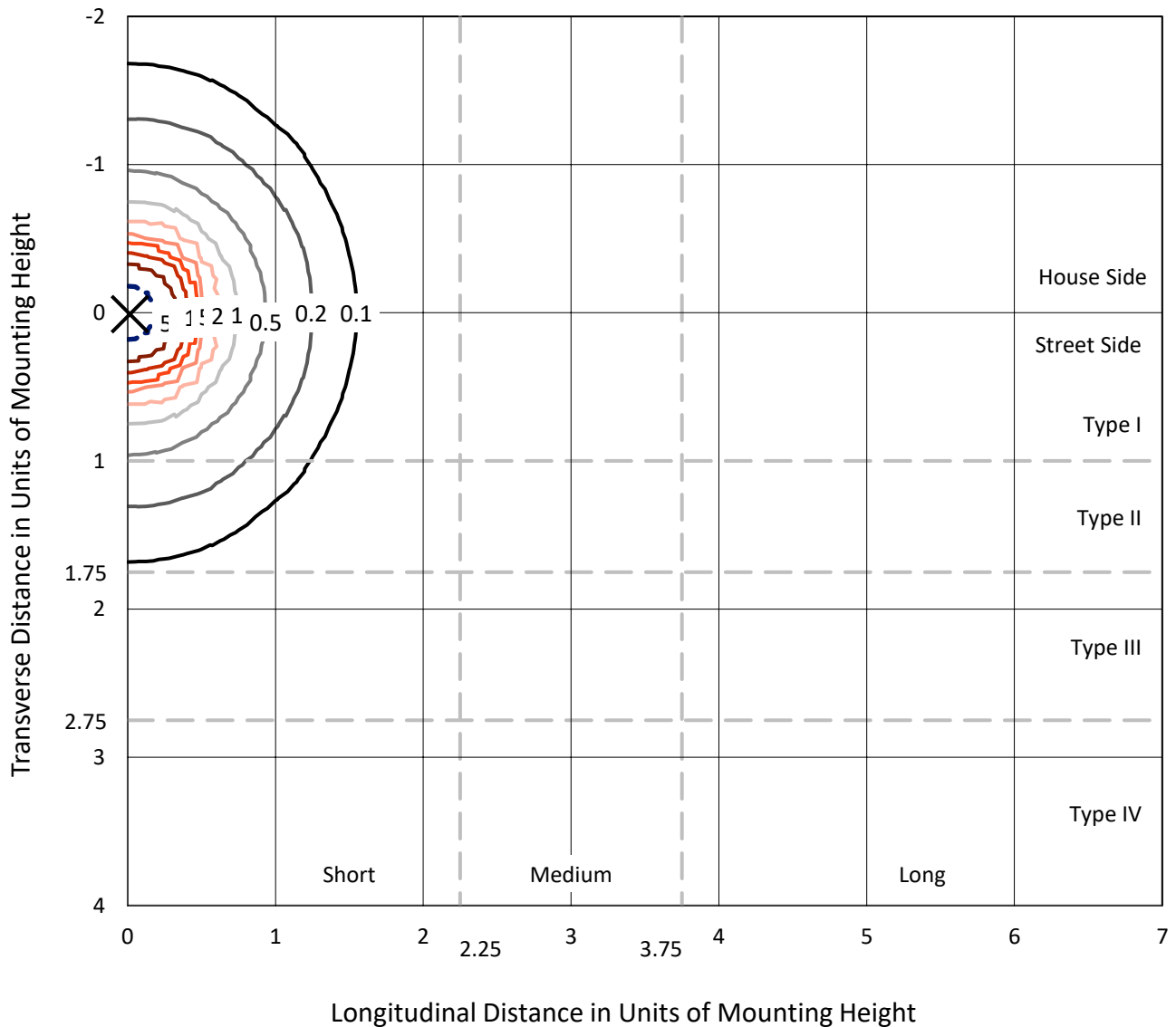
Input Watts (W): 464.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

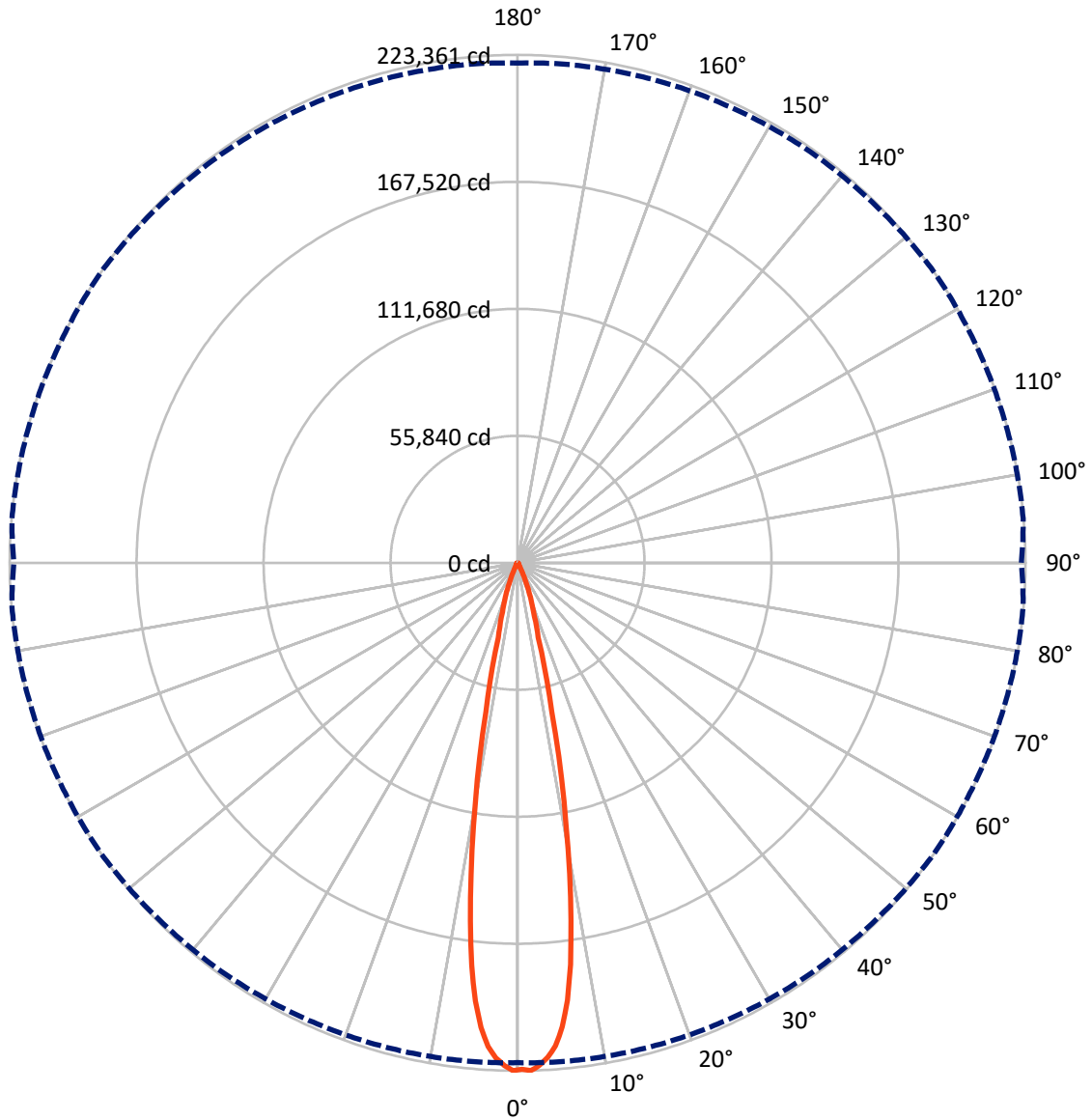
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 557 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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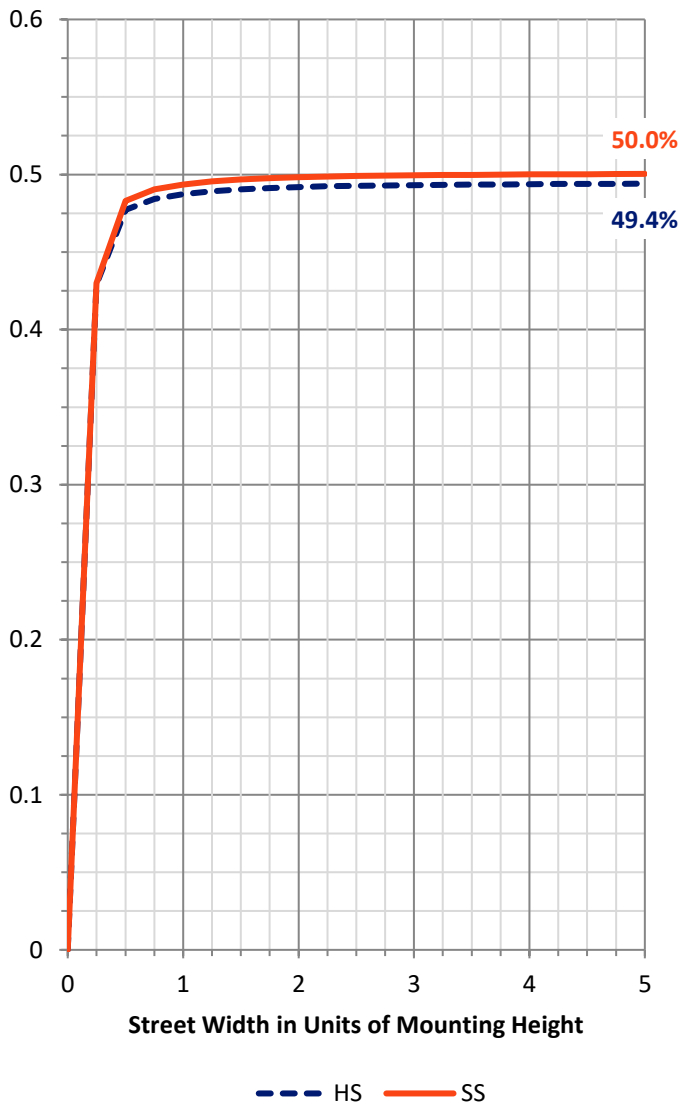
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16203.6	0.0	16203.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16203.6	0.0	16203.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	32407.2	0.0	32407.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16465.3	50.8
10°-20°	11669.1	36.0
20°-30°	2734.3	8.4
30°-40°	571.5	1.8
40°-50°	368.7	1.1
50°-60°	273.1	0.8
60°-70°	185.6	0.6
70°-80°	99.1	0.3
80°-90°	40.6	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°	32407.2	100.0
0°-180°	32407.2	100.0

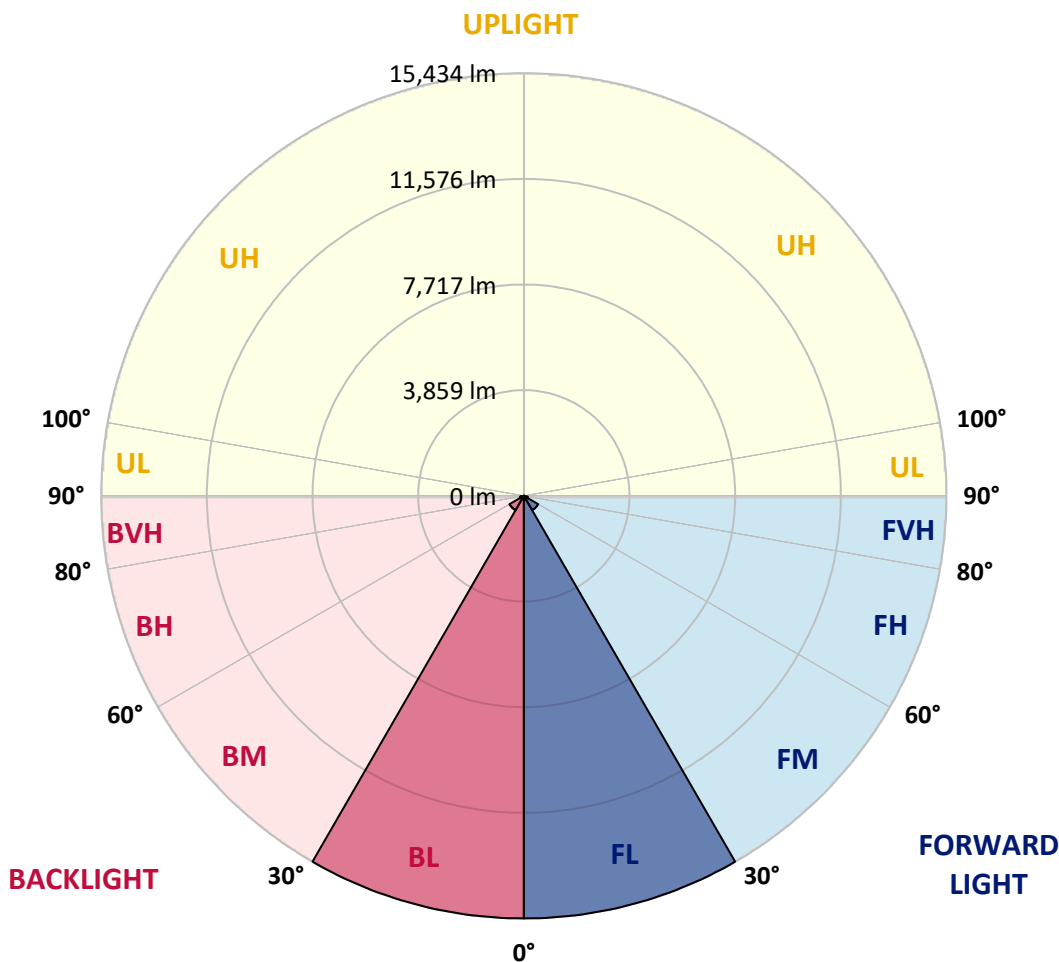


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15434.3	47.6			
FM (30°-60°)	606.6	1.9			
FH (60°-80°)	142.3	0.4			G0/660
FVH (80°-90°)	20.3	0.1			G1/100
BL (0°-30°)	15434.3	47.6	B5		
BM (30°-60°)	606.6	1.9	B1/1000		
BH (60°-80°)	142.3	0.4	B1/500		G0/660
BVH (80°-90°)	20.3	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°	222787.4	222787.4	222787.4	222787.4	222787.4	222787.4	222787.4	222787.4	222787.4	222787.4
1°	219790.0	220196.9	220695.5	221148.3	221830.3	222386.2	223360.5	223154.2	223125.6	223165.7
2°	215531.8	216041.8	216809.8	217262.6	219022.0	219744.2	221217.1	221652.6	221303.0	221698.5
3°	209153.0	209571.4	210774.9	211663.2	213944.2	215892.8	217864.3	218517.7	218110.8	218294.2
4°	201559.2	201989.0	203444.7	205255.8	208551.2	210711.9	213073.1	213657.7	212328.0	212419.7
5°	192521.2	192721.7	194504.1	196154.7	200097.8	202716.9	204957.8	205141.2	203926.2	203461.9
6°	182354.1	181993.0	183632.1	184331.3	189231.5	191902.2	193541.3	193329.3	192406.5	192011.1
7°	170272.8	169779.9	171103.8	170725.6	175064.0	176588.5	178164.6	177442.5	176708.9	177620.1
8°	156294.5	156019.4	155165.4	156712.9	157572.5	158936.6	158930.8	158512.4	158489.5	160008.3
9°	135971.8	138510.7	137759.9	139381.8	139164.0	139101.0	138682.6	138413.3	137267.0	139015.0
10°	113654.7	115316.7	116583.3	119001.8	118531.9	119196.7	116869.8	117265.3	116503.0	117947.3
12.5°	58830.4	60698.7	61793.4	63638.8	65667.6	67742.3	67071.8	66378.3	65341.0	66613.3
15°	28959.6	29698.9	30048.5	31922.6	33366.8	33888.4	33968.6	33355.4	33091.7	33366.8
17.5°	17772.3	18030.2	19044.6	21199.6	22449.0	22758.4	22557.8	21887.3	21136.5	20821.3
20°	12866.5	12941.0	13324.9	13743.3	15411.1	16282.2	15961.3	15302.2	14608.7	14282.1
22.5°	8401.9	8476.4	8602.5	8831.7	9278.7	10356.2	10006.6	9559.6	9089.6	8992.2
25°	4756.9	4756.9	4888.7	5123.7	5456.1	5536.3	5605.1	5129.4	4911.6	4814.2
27.5°	2653.5	2670.7	2699.4	2791.1	2957.3	2940.1	2865.6	2739.5	2590.5	2435.7
30°	1467.2	1484.4	1501.6	1524.5	1553.1	1501.6	1455.7	1432.8	1369.7	1352.6
32.5°	1100.4	1100.4	1111.8	1106.1	1077.5	1014.4	985.8	1020.1	1014.4	985.8
35°	905.5	905.5	917.0	939.9	882.6	836.7	813.8	859.7	859.7	842.5
37.5°	739.3	745.1	750.8	779.4	762.2	710.7	704.9	716.4	722.1	716.4
40°	647.6	641.9	641.9	647.6	636.2	624.7	613.2	607.5	613.2	607.5
42.5°	561.7	555.9	567.4	555.9	533.0	538.7	538.7	521.5	527.3	515.8
45°	492.9	487.1	492.9	481.4	464.2	470.0	470.0	447.0	447.0	441.3
47.5°	435.6	435.6	435.6	441.3	412.6	406.9	412.6	406.9	389.7	384.0
50°	378.3	384.0	389.7	401.2	372.5	361.1	361.1	361.1	349.6	343.9
52.5°	349.6	355.3	355.3	355.3	338.1	326.7	326.7	320.9	315.2	309.5
55°	338.1	338.1	338.1	315.2	309.5	303.8	286.6	280.8	275.1	275.1
57.5°	320.9	320.9	315.2	298.0	280.8	280.8	257.9	252.2	246.4	246.4
60°	286.6	286.6	286.6	280.8	257.9	252.2	229.2	217.8	212.1	212.1
62.5°	263.6	263.6	263.6	240.7	235.0	217.8	200.6	183.4	177.7	166.2
65°	240.7	240.7	240.7	217.8	206.3	189.1	166.2	149.0	137.5	120.4
67.5°	223.5	223.5	217.8	200.6	183.4	160.5	137.5	120.4	97.4	86.0
70°	194.9	194.9	189.1	177.7	160.5	143.3	114.6	91.7	74.5	57.3
72.5°	166.2	166.2	160.5	149.0	137.5	120.4	97.4	80.2	51.6	40.1
75°	137.5	137.5	131.8	120.4	114.6	103.2	86.0	63.0	40.1	17.2
77.5°	114.6	114.6	108.9	103.2	97.4	86.0	74.5	51.6	28.7	11.5
80°	86.0	91.7	91.7	91.7	80.2	74.5	68.8	51.6	22.9	5.7
82.5°	63.0	68.8	68.8	68.8	63.0	57.3	63.0	45.8	22.9	5.7
85°	45.8	45.8	51.6	51.6	51.6	51.6	68.8	51.6	17.2	5.7
87.5°	22.9	22.9	22.9	22.9	22.9	28.7	34.4	28.7	11.5	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°  
222787.4  
**221566.7**  
220196.9  
216918.7  
211055.7  
202493.4  
191122.8  
177339.3  
155795.9  
135754.0  
114245.0  
63168.9  
32083.0  
20380.0  
14029.9  
8791.6  
4733.9  
2441.5  
1352.6  
968.6  
836.7  
716.4  
613.2  
521.5  
441.3  
384.0  
338.1  
303.8  
269.4  
246.4  
206.3  
154.7  
120.4  
80.2  
57.3  
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