

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: P525369

Luminaire Tested: **IFLD-S-SA6B-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525369  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

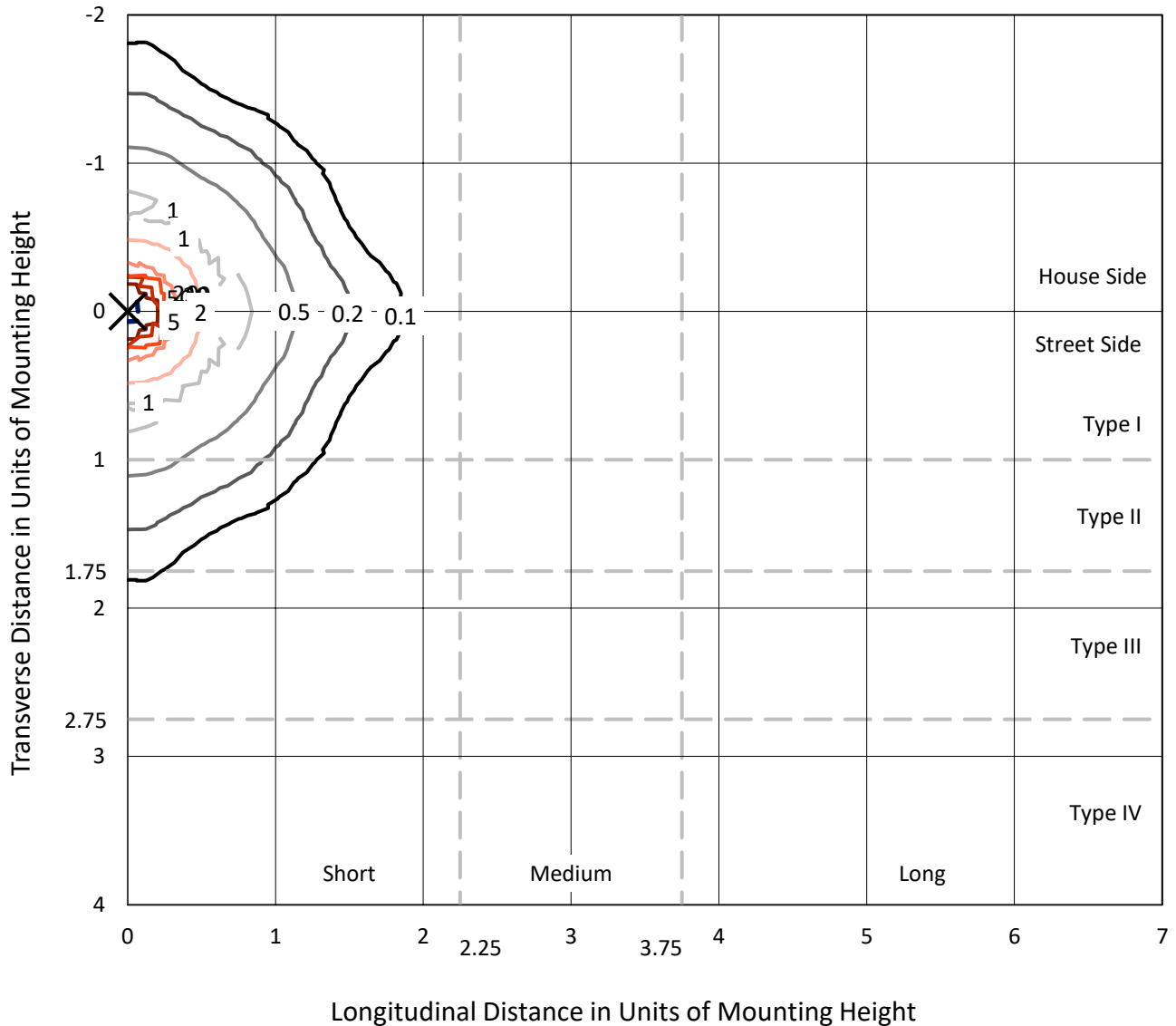
Lumens per Lamp: N/A  
Luminaire Lumens: 13918.9 lumens  
Efficiency: N/A  
Efficacy: 56.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 244.9  
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: 24 FT

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### Iso-Footcandle Lines of Horizontal Illumination

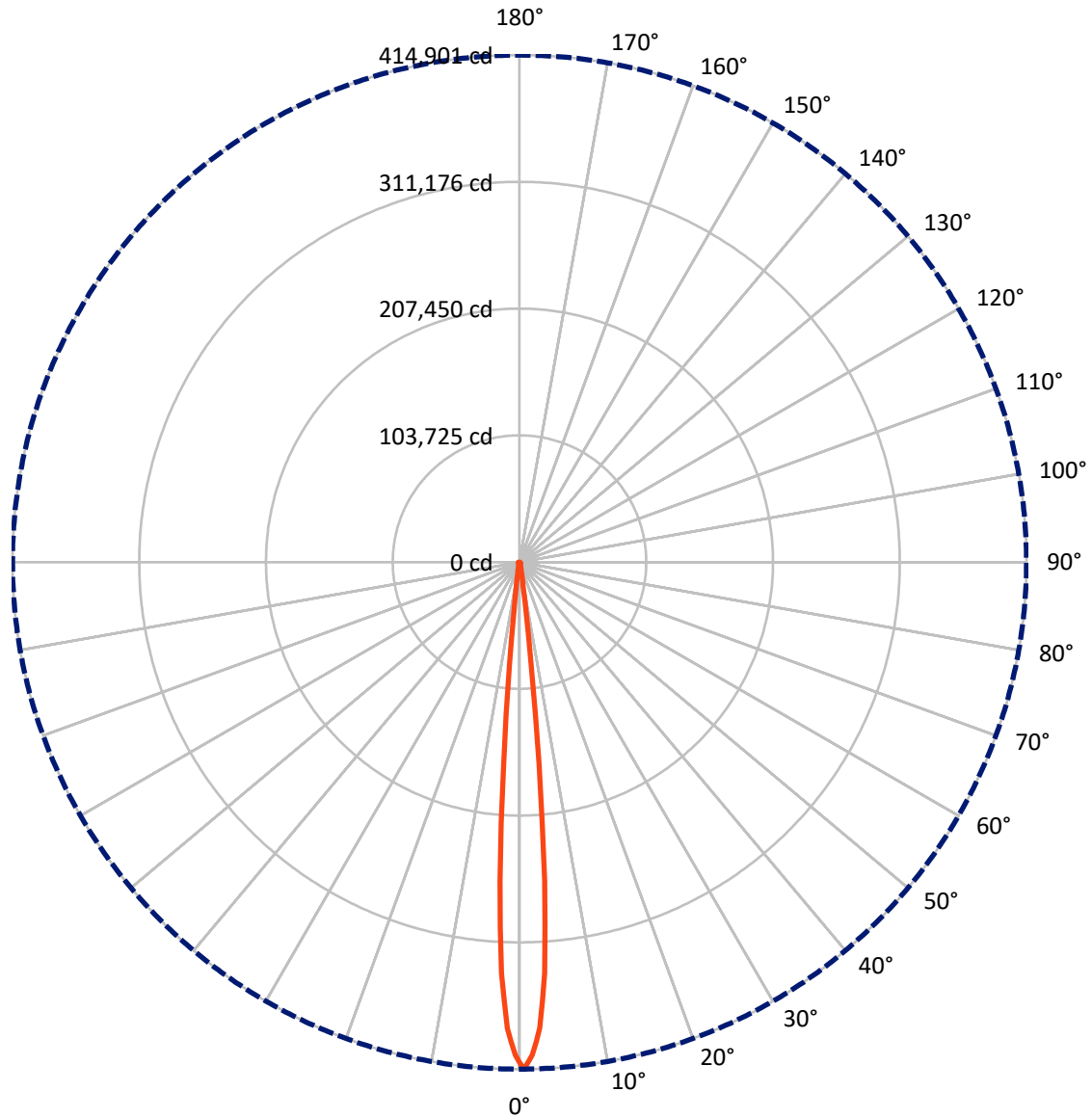
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1037.3 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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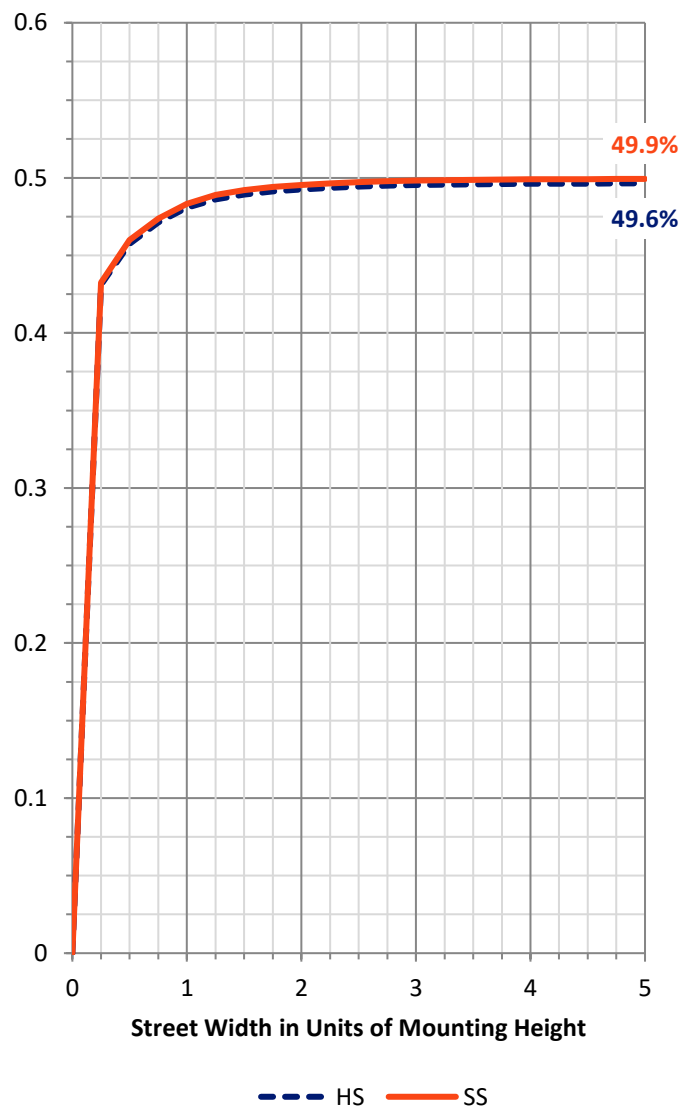
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6959.5	0.0	6959.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6959.5	0.0	6959.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13918.9	0.0	13918.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10689.7	76.8
10°-20°	1042.6	7.5
20°-30°	557.0	4.0
30°-40°	459.4	3.3
40°-50°	511.5	3.7
50°-60°	344.0	2.5
60°-70°	219.5	1.6
70°-80°	86.7	0.6
80°-90°	8.5	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°	13918.9	100.0
0°-180°	13918.9	100.0

**Coefficient of Utilization**



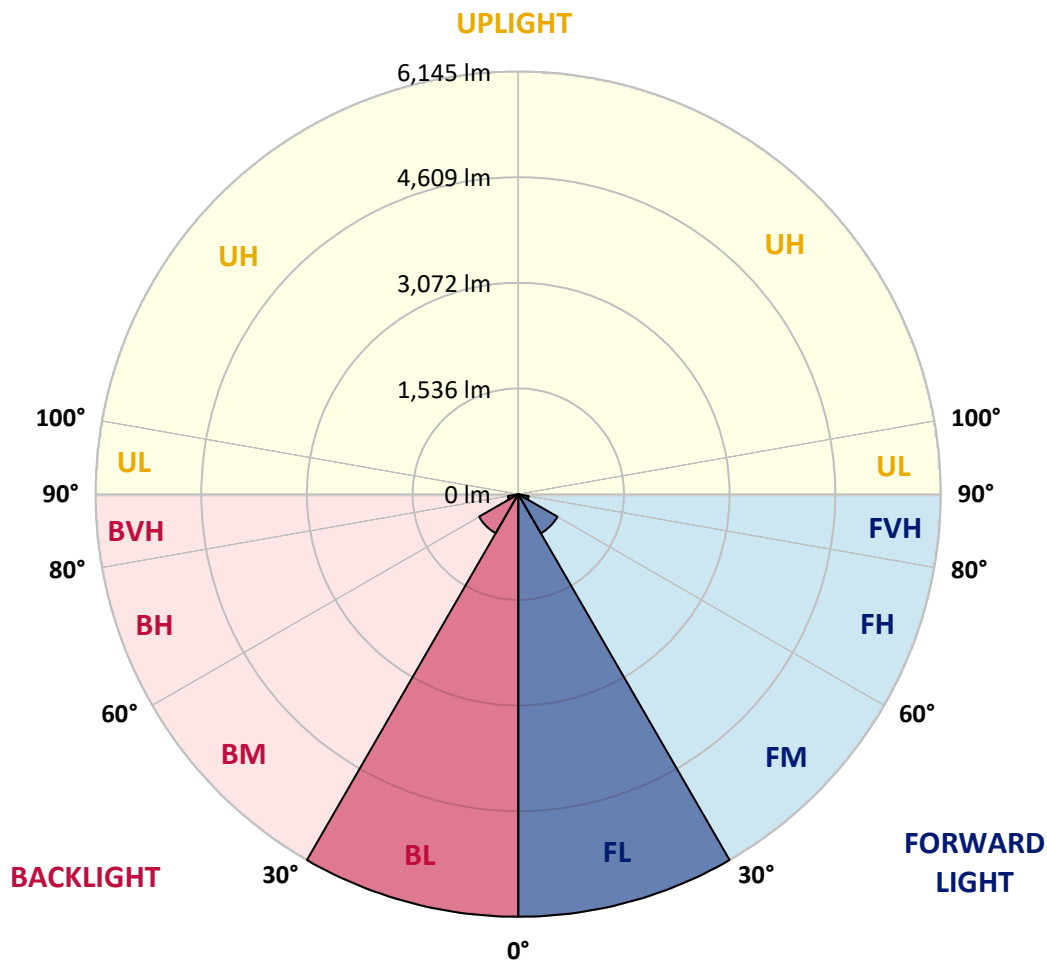
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6144.7	44.1			
FM (30°-60°)	657.5	4.7			
FH (60°-80°)	153.1	1.1			G0/660
FVH (80°-90°)	4.2	0.0			G0/10
BL (0°-30°)	6144.7	44.1	B5		
BM (30°-60°)	657.5	4.7	B1/1000		
BH (60°-80°)	153.1	1.1	B1/500		G0/660
BVH (80°-90°)	4.2	0.0			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°	414900.8	414900.8	414900.8	414900.8	414900.8	414900.8	414900.8	414900.8	414900.8	414900.8
1°	403369.5	404071.0	404197.6	403362.3	401232.5	401735.1	401670.0	401782.1	401572.4	400241.7
2°	381529.2	382567.0	381475.0	379131.8	374279.2	373122.1	369256.7	364942.9	360350.6	355747.5
3°	336948.2	339132.2	337573.8	340076.0	330233.4	329239.0	321110.4	310392.7	299530.4	290729.2
4°	261248.4	265283.8	265819.0	274077.8	265992.5	268520.1	259234.3	244343.9	228093.8	215662.2
5°	166525.1	172151.5	175326.3	183071.7	186796.1	196494.1	191970.5	177025.8	158248.2	143947.2
6°	84139.4	87202.1	95732.1	104247.7	113757.6	126626.8	128369.7	115251.0	100306.3	86580.2
7°	39222.2	40487.7	46504.7	48319.9	59193.0	73154.2	75106.8	67914.7	60031.9	49393.8
8°	20267.4	20759.1	22957.6	24306.4	30648.7	38679.8	40050.2	35523.0	32297.6	26946.0
9°	12482.2	12699.2	13523.6	13827.4	16199.4	19772.0	20256.5	18361.8	17486.7	15639.0
10°	8656.6	8772.3	9159.2	9238.7	10030.6	11205.8	11249.2	10627.3	10641.7	10178.9
12.5°	4613.9	4650.1	4758.6	4769.4	4921.3	5044.2	5015.3	5018.9	5080.4	5018.9
15°	2950.6	2968.7	3033.8	3048.2	3127.8	3171.2	3149.5	3145.9	3167.6	3127.8
17.5°	2104.5	2115.3	2162.3	2202.1	2252.7	2267.2	2260.0	2252.7	2252.7	2216.6
20°	1641.6	1656.1	1688.6	1728.4	1753.7	1779.0	1782.7	1779.0	1768.2	1750.1
22.5°	1395.8	1403.0	1413.8	1431.9	1450.0	1460.8	1468.1	1471.7	1468.1	1460.8
25°	1215.0	1222.2	1243.9	1254.7	1254.7	1258.3	1272.8	1280.0	1283.7	1269.2
27.5°	896.8	914.8	947.4	965.5	965.5	972.7	983.5	998.0	1012.5	987.2
30°	694.3	708.7	744.9	744.9	741.3	748.5	759.3	781.0	802.7	773.8
32.5°	625.6	625.6	632.8	636.4	636.4	647.3	654.5	672.6	690.6	683.4
35°	654.5	636.4	614.7	614.7	621.9	643.6	647.3	665.3	683.4	708.7
37.5°	951.0	896.8	817.2	802.7	802.7	828.1	817.2	828.1	860.6	954.6
40°	864.2	820.8	773.8	708.7	708.7	744.9	719.6	734.0	810.0	867.8
42.5°	770.2	770.2	719.6	658.1	658.1	676.2	668.9	676.2	763.0	810.0
45°	712.3	712.3	697.9	600.2	614.7	625.6	625.6	625.6	741.3	755.7
47.5°	679.8	679.8	643.6	553.2	571.3	574.9	582.2	574.9	665.3	716.0
50°	607.5	614.7	553.2	488.2	509.8	509.8	520.7	506.2	574.9	658.1
52.5°	524.3	531.5	437.5	386.9	412.2	408.6	423.1	401.4	455.6	571.3
55°	466.5	462.8	361.6	314.6	343.5	339.9	347.1	321.8	368.8	491.8
57.5°	405.0	412.2	296.5	256.7	289.3	282.0	292.9	264.0	303.7	437.5
60°	358.0	368.8	253.1	217.0	249.5	242.3	253.1	220.6	260.3	394.1
62.5°	343.5	343.5	224.2	184.4	217.0	209.7	217.0	184.4	231.4	361.6
65°	408.6	386.9	202.5	151.9	184.4	177.2	184.4	151.9	202.5	347.1
67.5°	542.4	517.1	191.6	119.3	148.3	137.4	148.3	122.9	177.2	325.4
70°	282.0	300.1	191.6	94.0	112.1	112.1	108.5	94.0	148.3	238.7
72.5°	162.7	166.3	148.3	72.3	86.8	94.0	83.2	72.3	108.5	177.2
75°	90.4	101.2	94.0	54.2	65.1	72.3	61.5	54.2	75.9	126.6
77.5°	54.2	61.5	54.2	36.2	43.4	39.8	43.4	36.2	50.6	83.2
80°	28.9	28.9	28.9	21.7	21.7	25.3	25.3	21.7	28.9	43.4
82.5°	10.8	10.8	10.8	7.2	10.8	10.8	10.8	14.5	14.5	18.1
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
414900.8  
401554.3  
358398.0  
294066.7  
218544.1  
145780.4  
87607.1  
50681.1  
27672.8  
16040.3  
10392.2  
5087.6  
3156.7  
2227.4  
1753.7  
1464.5  
1269.2  
983.5  
766.6  
683.4  
723.2  
1001.6  
922.1  
813.6  
752.1  
705.1  
650.9  
556.9  
484.5  
426.7  
383.3  
358.0  
347.1  
321.8  
235.0  
173.6  
112.1  
61.5  
36.2  
18.1  
3.6  
3.6  
0.0

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