

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: P636324

Luminaire Tested: **IFLD-L-SA7C-930-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636324
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26524.7 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

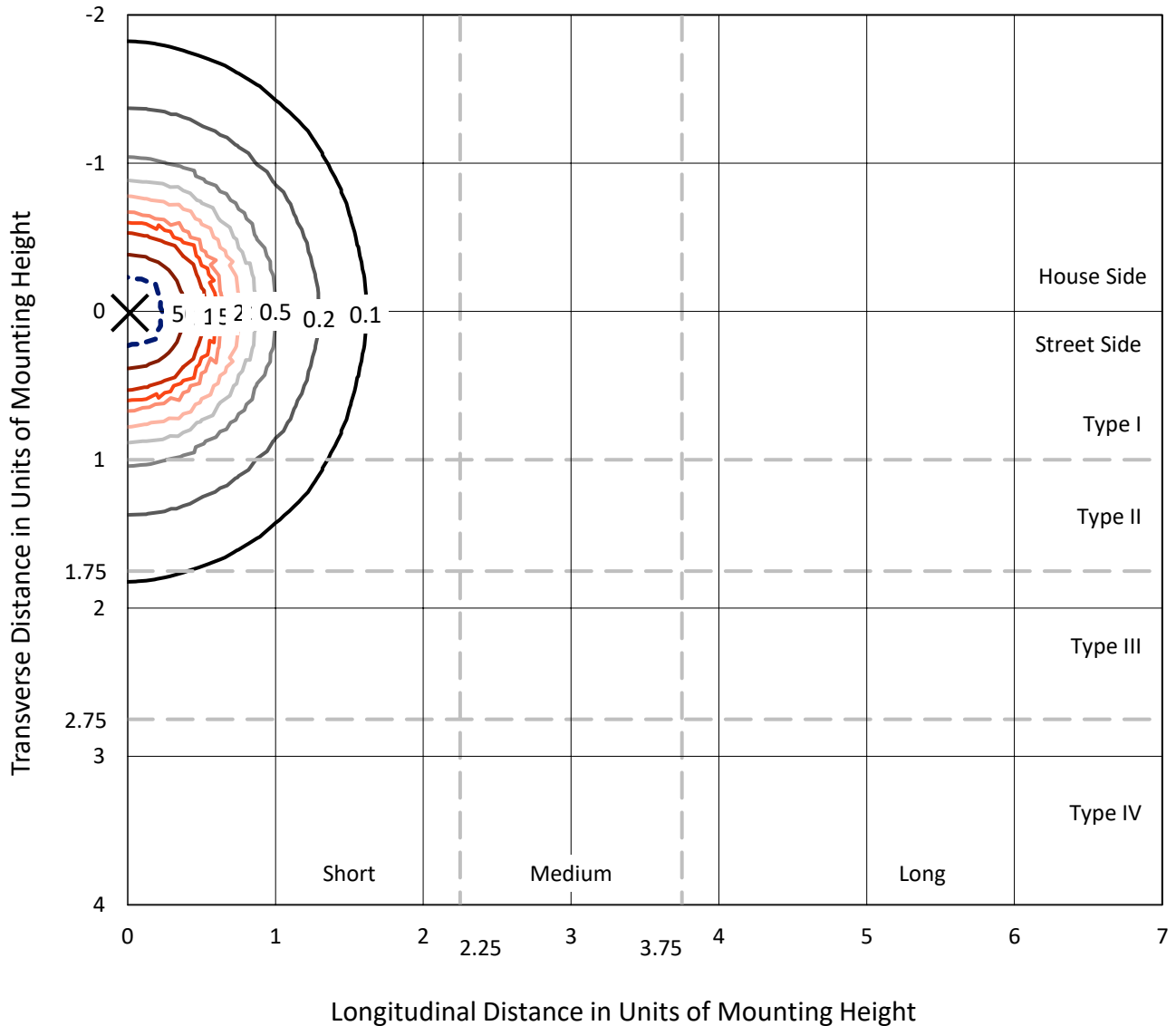
Input Watts (W): 369
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

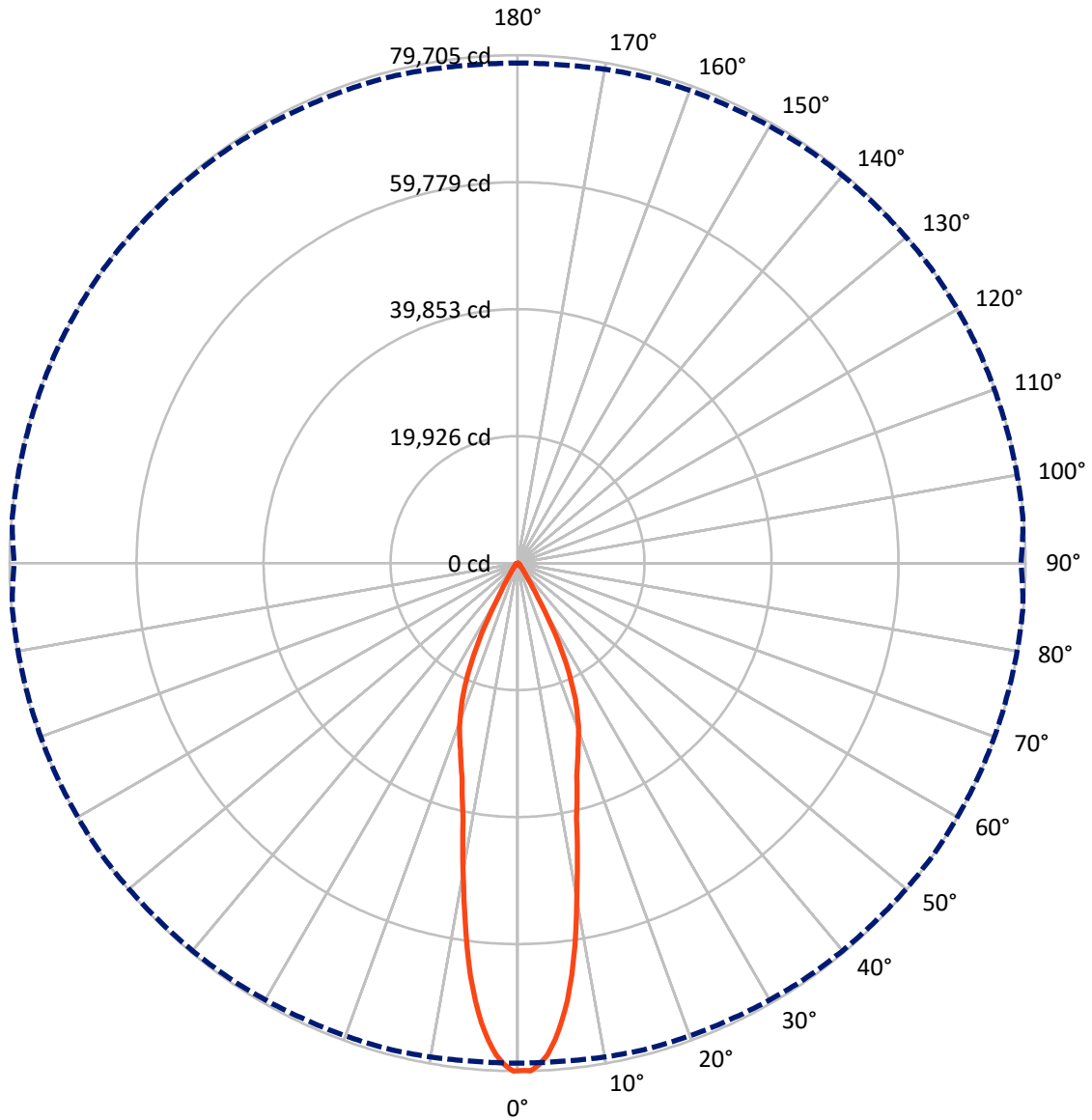
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 199 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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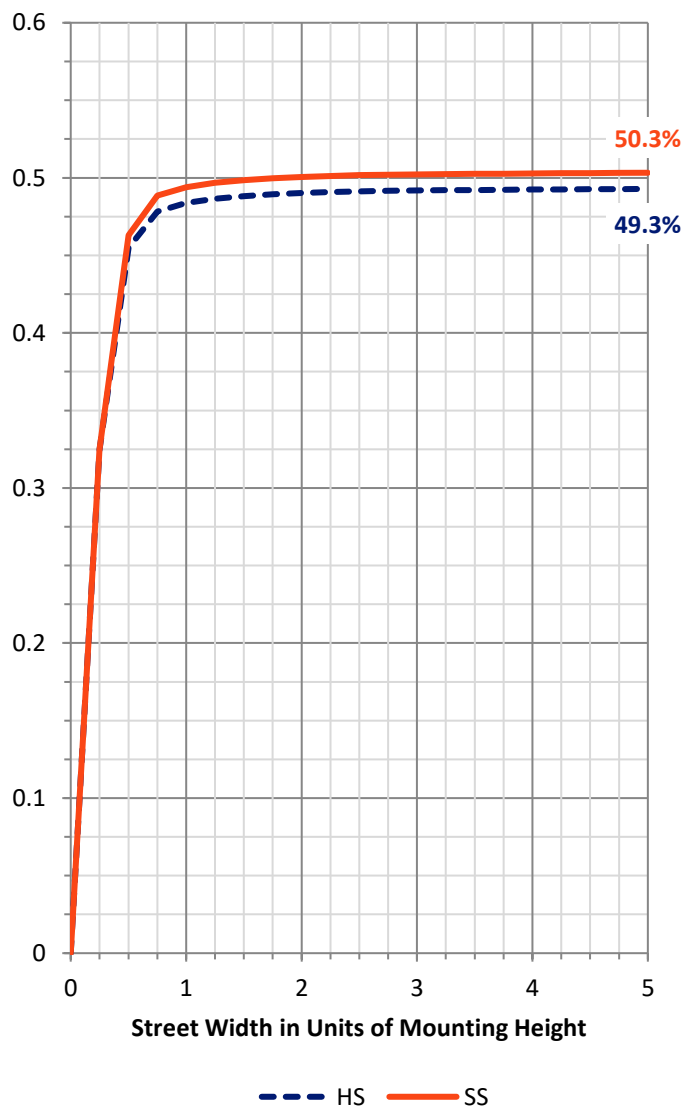
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13262.3	0.0	13262.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13262.3	0.0	13262.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	26524.7	0.0	26524.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6057.5	22.8
10°-20°	9893.5	37.3
20°-30°	7731.1	29.1
30°-40°	1685.2	6.4
40°-50°	498.9	1.9
50°-60°	312.0	1.2
60°-70°	218.2	0.8
70°-80°	93.6	0.4
80°-90°	34.6	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°	26524.7	100.0
0°-180°	26524.7	100.0



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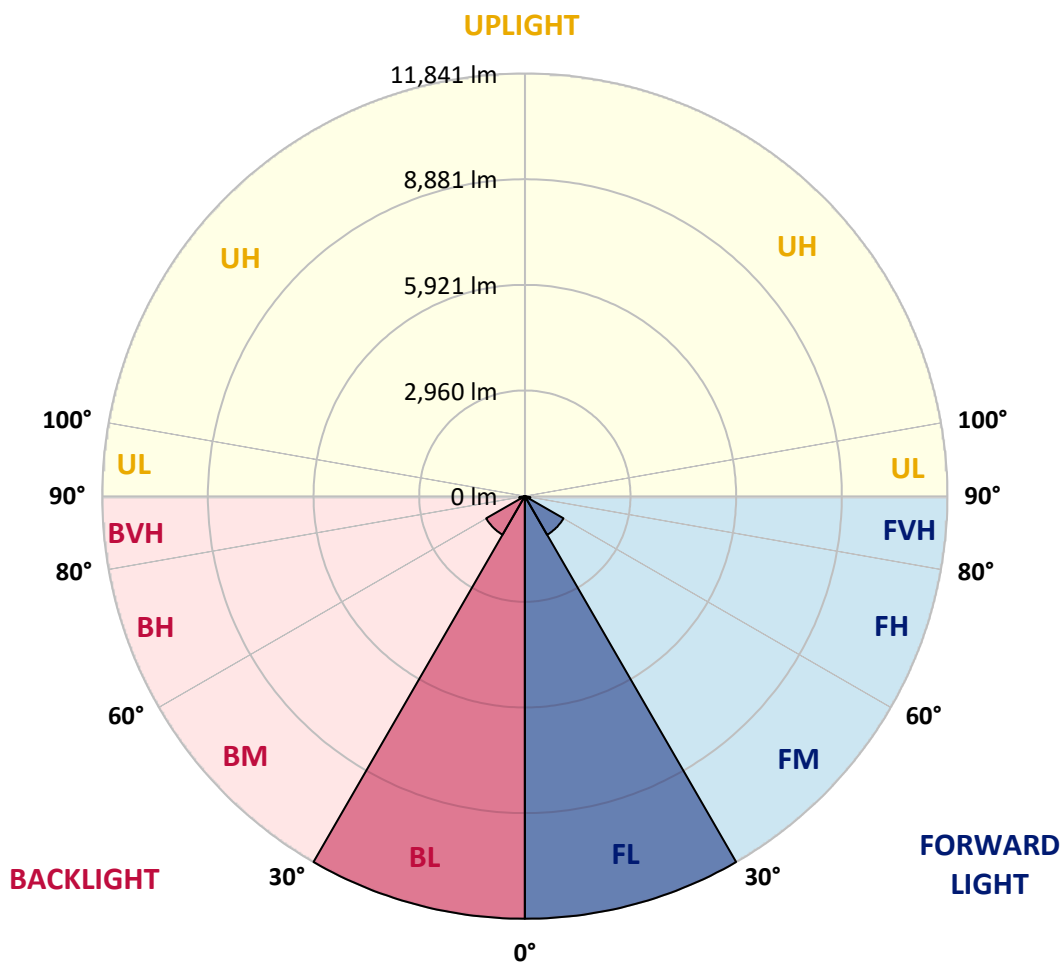
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11841.1	44.6			
FM (30°-60°)	1248.1	4.7			
FH (60°-80°)	155.9	0.6			G0/660
FVH (80°-90°)	17.3	0.1			G1/100
BL (0°-30°)	11841.1	44.6	B5		
BM (30°-60°)	1248.1	4.7	B2/2500		
BH (60°-80°)	155.9	0.6	B1/500		G0/660
BVH (80°-90°)	17.3	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°	79614.2	79614.2	79614.2	79614.2	79614.2	79614.2	79614.2	79614.2	79614.2	79614.2
1°	78461.8	78471.4	78898.7	78994.8	79287.7	79436.5	79705.4	79676.6	79595.0	79604.6
2°	77016.4	76954.0	77352.6	77794.3	78144.9	78433.0	78754.7	78821.9	78745.1	78817.1
3°	74639.5	74548.3	75105.3	75657.5	76267.3	76761.9	77246.9	77266.1	77174.9	77170.1
4°	71513.5	71345.5	72008.1	72992.5	73760.8	74418.6	75023.7	75014.1	74889.2	74990.1
5°	67734.5	67523.2	68382.8	69679.2	70817.3	71609.6	72277.0	72118.6	71830.5	71844.9
6°	63095.9	63302.4	64354.0	66173.9	67518.4	68176.3	68997.4	68699.7	68200.3	68147.5
7°	58735.9	59201.7	60042.0	62236.4	63835.4	64526.9	65223.2	64622.9	63945.9	63835.4
8°	54145.3	54923.2	56085.3	58106.9	59811.5	60507.8	60771.9	60128.4	59403.3	59374.5
9°	50423.9	50956.9	51955.7	53737.2	55470.7	55936.4	55994.1	55432.2	54707.2	54755.2
10°	47038.7	47139.5	48003.8	49535.6	50923.3	51254.7	51240.2	50832.1	50236.7	50395.1
12.5°	39461.4	39735.1	39984.8	40474.6	40940.3	41156.4	41074.8	40906.7	40580.2	40594.6
15°	34318.6	34313.8	34342.6	34568.3	34707.6	34731.6	34731.6	34520.3	34381.0	34587.5
17.5°	29780.9	30030.6	30477.2	30659.6	30842.1	30774.9	30650.0	30554.0	30462.8	30640.4
20°	26251.6	26362.0	26366.8	26486.9	27408.8	27456.8	27298.4	27024.7	26794.2	26751.0
22.5°	22280.5	22448.5	22520.5	22626.2	22722.2	23423.3	23236.0	22794.3	22520.5	22438.9
25°	16724.7	16667.1	17137.7	18002.0	18141.3	18227.7	18179.7	17949.2	17771.5	17805.2
27.5°	11558.0	11658.8	11639.6	11649.2	12566.4	12561.6	12547.2	12345.5	12292.7	12215.8
30°	6463.3	6415.2	6439.2	6376.8	6247.2	6405.6	6151.1	6367.2	6155.9	6223.2
32.5°	3822.3	3788.6	3755.0	3769.4	3673.4	3438.1	3337.3	3486.1	3438.1	3418.9
35°	2439.3	2453.7	2496.9	2492.1	2405.7	2271.3	2127.2	2261.7	2242.5	2184.8
37.5°	1555.8	1555.8	1570.2	1695.0	1623.0	1507.8	1406.9	1464.6	1459.8	1450.2
40°	1104.4	1104.4	1123.6	1157.2	1118.8	1061.2	1003.6	1003.6	1013.2	984.4
42.5°	821.1	821.1	840.3	859.5	811.5	792.3	763.5	744.3	768.3	744.3
45°	643.4	638.6	643.4	633.8	605.0	605.0	581.0	552.2	581.0	566.6
47.5°	528.2	523.4	518.6	499.4	470.6	475.4	465.8	441.8	456.2	451.4
50°	461.0	451.4	456.2	437.0	413.0	408.2	408.2	384.1	388.9	388.9
52.5°	403.4	403.4	398.6	388.9	379.3	360.1	364.9	340.9	340.9	340.9
55°	379.3	379.3	369.7	350.5	355.3	340.9	326.5	312.1	307.3	307.3
57.5°	374.5	374.5	369.7	350.5	336.1	331.3	312.1	292.9	278.5	283.3
60°	364.9	364.9	355.3	350.5	326.5	316.9	288.1	273.7	254.5	254.5
62.5°	350.5	345.7	326.5	297.7	297.7	273.7	254.5	225.7	211.3	206.5
65°	297.7	292.9	278.5	254.5	240.1	225.7	196.9	168.1	158.5	144.1
67.5°	244.9	244.9	235.3	211.3	201.7	182.5	148.9	129.6	105.6	96.0
70°	201.7	201.7	192.1	177.7	168.1	144.1	115.2	96.0	72.0	62.4
72.5°	163.3	163.3	153.7	144.1	134.5	120.0	96.0	72.0	48.0	38.4
75°	129.6	129.6	124.8	115.2	105.6	96.0	76.8	57.6	33.6	19.2
77.5°	105.6	105.6	100.8	96.0	86.4	76.8	62.4	48.0	24.0	9.6
80°	81.6	81.6	81.6	81.6	72.0	62.4	52.8	38.4	19.2	4.8
82.5°	57.6	57.6	62.4	72.0	57.6	48.0	48.0	38.4	14.4	4.8
85°	38.4	43.2	48.0	43.2	38.4	38.4	67.2	62.4	14.4	4.8
87.5°	19.2	19.2	19.2	19.2	19.2	14.4	19.2	14.4	9.6	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°
79614.2
79014.0
78250.5
76752.3
74514.7
71143.8
67446.4
63312.0
58322.9
54039.7
49838.1
40119.2
34107.3
30232.3
26472.4
22146.0
17689.9
11937.3
6304.8
3370.9
2122.4
1430.9
974.8
739.5
566.6
451.4
393.7
340.9
302.5
283.3
240.1
196.9
139.3
91.2
57.6
33.6
14.4
9.6
4.8
4.8
4.8
0.0
0.0

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