

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: P525383

Luminaire Tested: **IFLD-L-SA8A-940-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525383  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-940-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (128) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

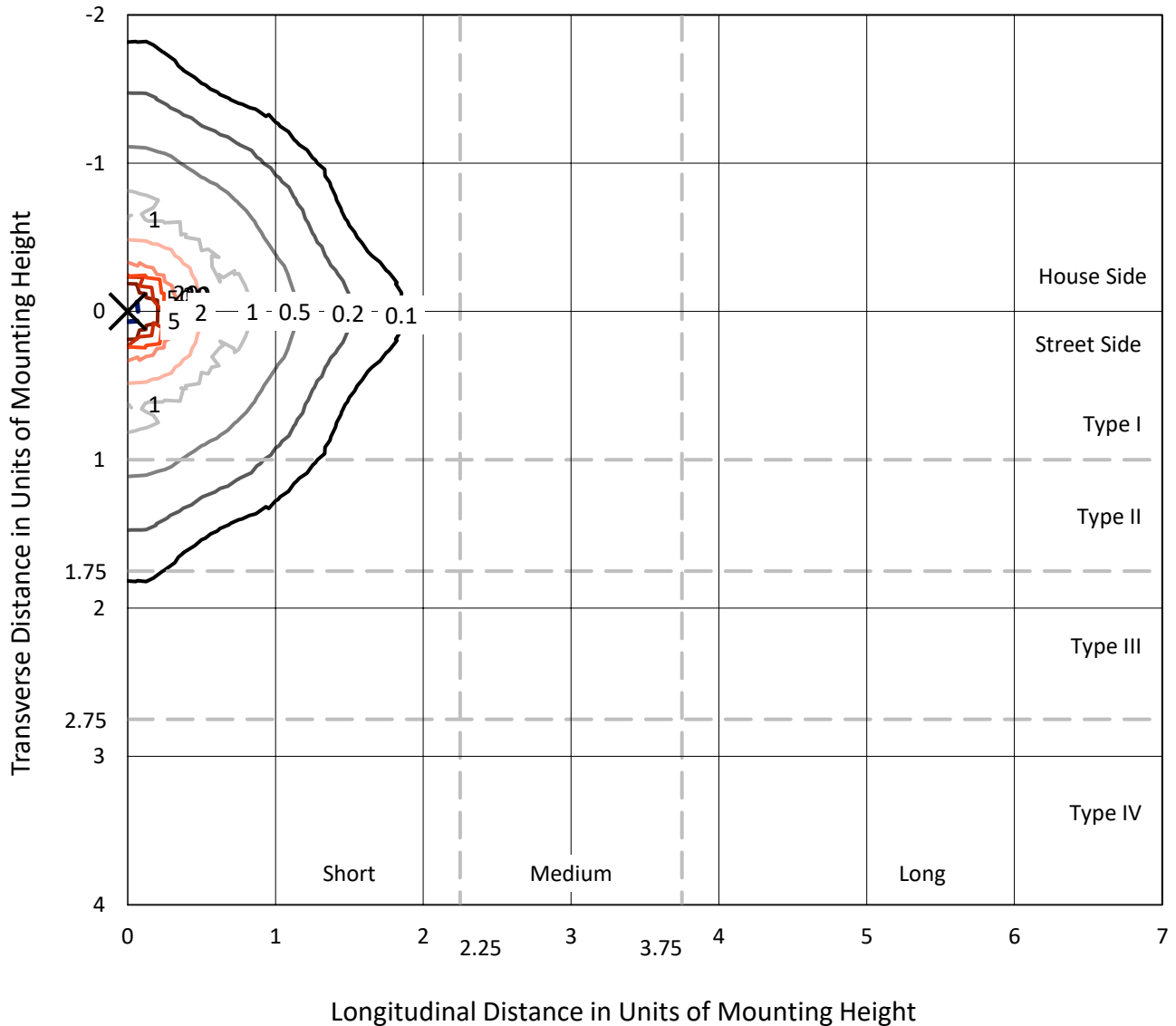
Lumens per Lamp: N/A  
Luminaire Lumens: 14051.3 lumens  
Efficiency: N/A  
Efficacy: 56.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 247.8  
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

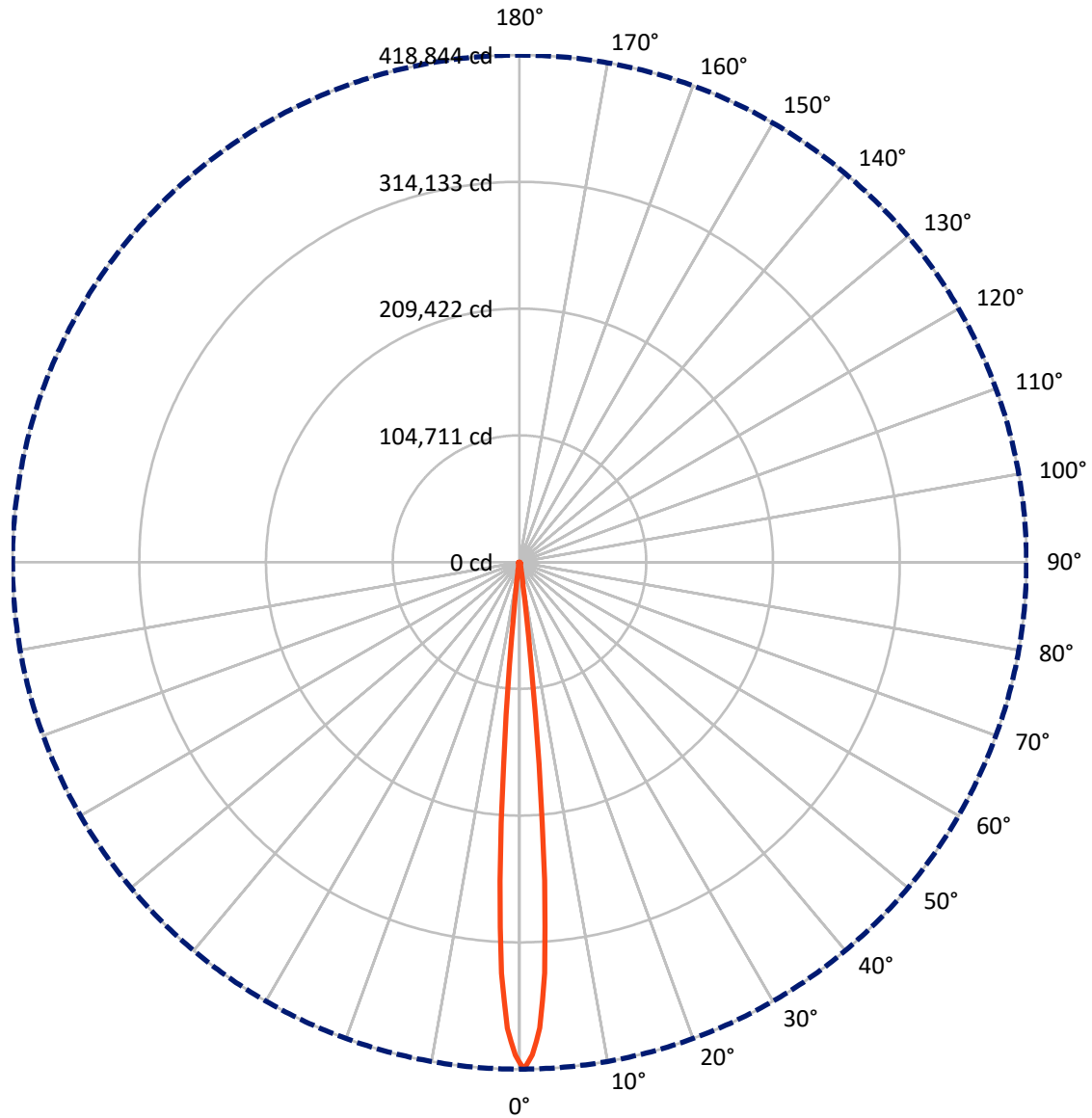
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1047.1 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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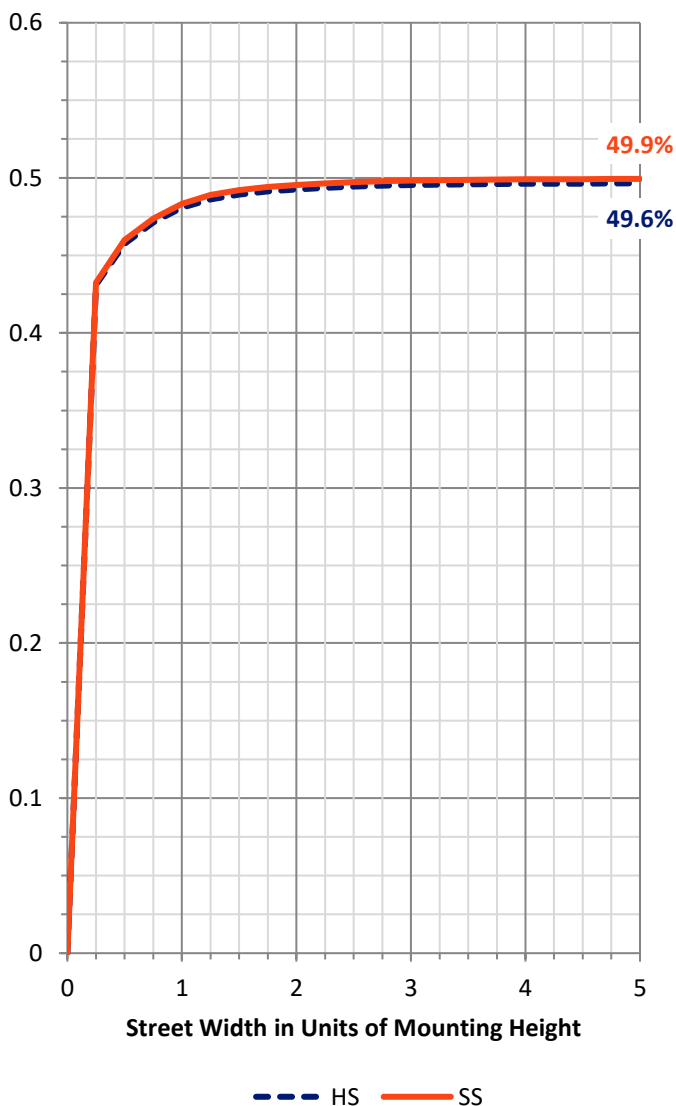
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7025.7	0.0	7025.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7025.7	0.0	7025.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	14051.3	0.0	14051.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10791.3	76.8
10°-20°	1052.5	7.5
20°-30°	562.3	4.0
30°-40°	463.8	3.3
40°-50°	516.4	3.7
50°-60°	347.3	2.5
60°-70°	221.6	1.6
70°-80°	87.5	0.6
80°-90°	8.6	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°	14051.3	100.0
0°-180°	14051.3	100.0

**Coefficient of Utilization**



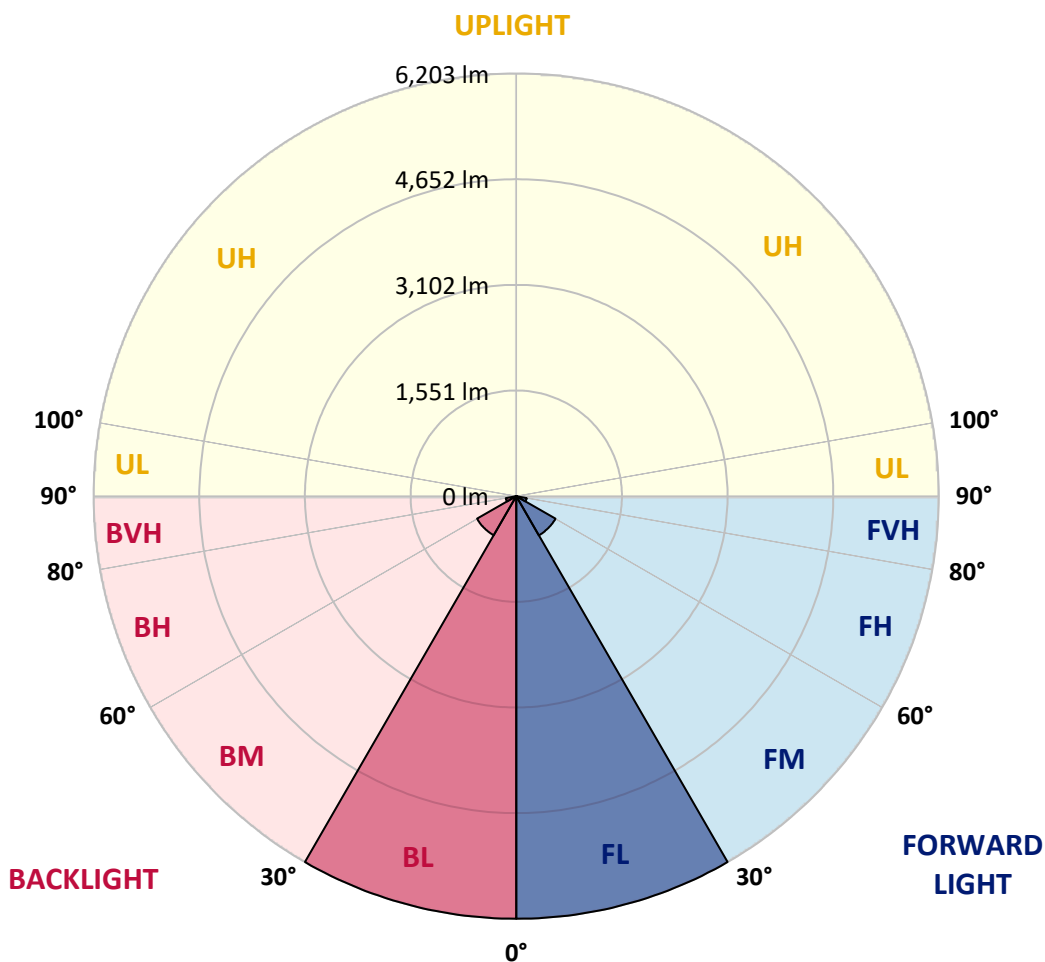
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6203.1	44.1			
FM (30°-60°)	663.7	4.7			
FH (60°-80°)	154.6	1.1			G0/660
FVH (80°-90°)	4.3	0.0			G0/10
BL (0°-30°)	6203.1	44.1	B5		
BM (30°-60°)	663.7	4.7	B1/1000		
BH (60°-80°)	154.6	1.1	B1/500		G0/660
BVH (80°-90°)	4.3	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°	418844.0	418844.0	418844.0	418844.0	418844.0	418844.0	418844.0	418844.0	418844.0	418844.0
1°	407203.1	407911.3	408039.1	407195.8	405045.8	405553.2	405487.5	405600.7	405388.9	404045.6
2°	385155.3	386202.9	385100.5	382735.1	377836.4	376668.3	372766.1	368411.3	363775.4	359128.5
3°	340150.6	342355.4	340782.1	343308.1	333372.0	332368.1	324162.2	313342.7	302377.2	293492.3
4°	263731.3	267805.1	268345.3	276682.6	268520.5	271072.1	261698.1	246666.1	230261.6	217711.8
5°	168107.8	173787.7	176992.6	184811.6	188571.4	198361.5	193795.0	178708.3	159752.2	145315.2
6°	84939.1	88030.9	96642.0	105238.5	114838.8	127830.2	129589.7	116346.4	101259.6	87403.0
7°	39594.9	40872.5	46946.6	48779.1	59755.6	73849.4	75820.6	68560.1	60602.5	49863.2
8°	20460.0	20956.4	23175.8	24537.4	30940.0	39047.4	40430.8	35860.7	32604.6	27202.1
9°	12600.9	12819.9	13652.2	13958.8	16353.4	19959.9	20449.0	18536.3	17652.9	15787.6
10°	8738.8	8855.7	9246.2	9326.5	10126.0	11312.3	11356.1	10728.3	10742.9	10275.6
12.5°	4657.8	4694.3	4803.8	4814.8	4968.1	5092.2	5063.0	5066.6	5128.7	5066.6
15°	2978.7	2996.9	3062.6	3077.2	3157.5	3201.3	3179.4	3175.8	3197.7	3157.5
17.5°	2124.5	2135.4	2182.9	2223.0	2274.1	2288.7	2281.4	2274.1	2274.1	2237.6
20°	1657.2	1671.8	1704.7	1744.8	1770.4	1796.0	1799.6	1796.0	1785.0	1766.8
22.5°	1409.0	1416.3	1427.3	1445.5	1463.8	1474.7	1482.0	1485.7	1482.0	1474.7
25°	1226.5	1233.8	1255.7	1266.7	1266.7	1270.3	1284.9	1292.2	1295.9	1281.3
27.5°	905.3	923.5	956.4	974.6	974.6	981.9	992.9	1007.5	1022.1	996.5
30°	700.9	715.5	752.0	752.0	748.3	755.6	766.6	788.5	810.4	781.2
32.5°	631.5	631.5	638.8	642.5	642.5	653.4	660.7	679.0	697.2	689.9
35°	660.7	642.5	620.6	620.6	627.9	649.8	653.4	671.7	689.9	715.5
37.5°	960.0	905.3	825.0	810.4	810.4	835.9	825.0	835.9	868.8	963.7
40°	872.4	828.6	781.2	715.5	715.5	752.0	726.4	741.0	817.7	876.1
42.5°	777.5	777.5	726.4	664.4	664.4	682.6	675.3	682.6	770.2	817.7
45°	719.1	719.1	704.5	606.0	620.6	631.5	631.5	631.5	748.3	762.9
47.5°	686.3	686.3	649.8	558.5	576.7	580.4	587.7	580.4	671.7	722.8
50°	613.3	620.6	558.5	492.8	514.7	514.7	525.6	511.0	580.4	664.4
52.5°	529.3	536.6	441.7	390.6	416.1	412.5	427.1	405.2	459.9	576.7
55°	470.9	467.2	365.0	317.6	346.8	343.1	350.4	324.9	372.3	496.4
57.5°	408.8	416.1	299.3	259.2	292.0	284.7	295.7	266.5	306.6	441.7
60°	361.4	372.3	255.5	219.0	251.9	244.6	255.5	222.7	262.8	397.9
62.5°	346.8	346.8	226.3	186.2	219.0	211.7	219.0	186.2	233.6	365.0
65°	412.5	390.6	204.4	153.3	186.2	178.9	186.2	153.3	204.4	350.4
67.5°	547.5	522.0	193.5	120.5	149.7	138.7	149.7	124.1	178.9	328.5
70°	284.7	303.0	193.5	94.9	113.2	113.2	109.5	94.9	149.7	240.9
72.5°	164.3	167.9	149.7	73.0	87.6	94.9	84.0	73.0	109.5	178.9
75°	91.3	102.2	94.9	54.8	65.7	73.0	62.1	54.8	76.7	127.8
77.5°	54.8	62.1	54.8	36.5	43.8	40.2	43.8	36.5	51.1	84.0
80°	29.2	29.2	29.2	21.9	21.9	25.6	25.6	21.9	29.2	43.8
82.5°	11.0	11.0	11.0	7.3	11.0	11.0	11.0	14.6	14.6	18.3
85°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
87.5°	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
418844.0  
405370.7  
361804.2  
296861.5  
220621.1  
147165.9  
88439.7  
51162.8  
27935.8  
16192.8  
10491.0  
5136.0  
3186.7  
2248.6  
1770.4  
1478.4  
1281.3  
992.9  
773.9  
689.9  
730.1  
1011.1  
930.8  
821.3  
759.3  
711.8  
657.1  
562.1  
489.1  
430.7  
386.9  
361.4  
350.4  
324.9  
237.3  
175.2  
113.2  
62.1  
36.5  
18.3  
3.7  
3.7  
0.0

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