

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: McGRAW-EDISON

Report Number: P385455

Luminaire Tested: **GWC-SA1A-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385455  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1A-730-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4676 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

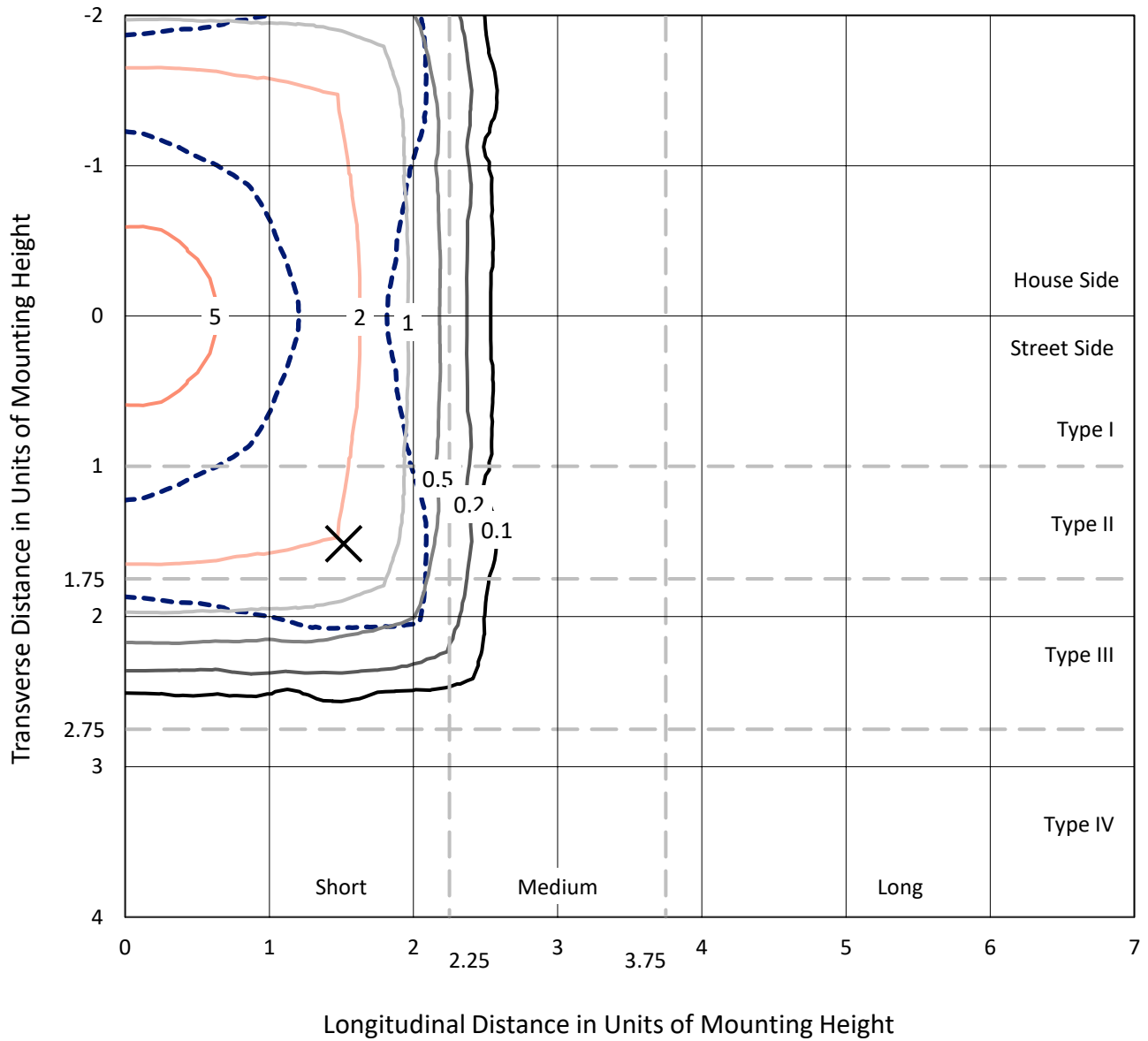
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

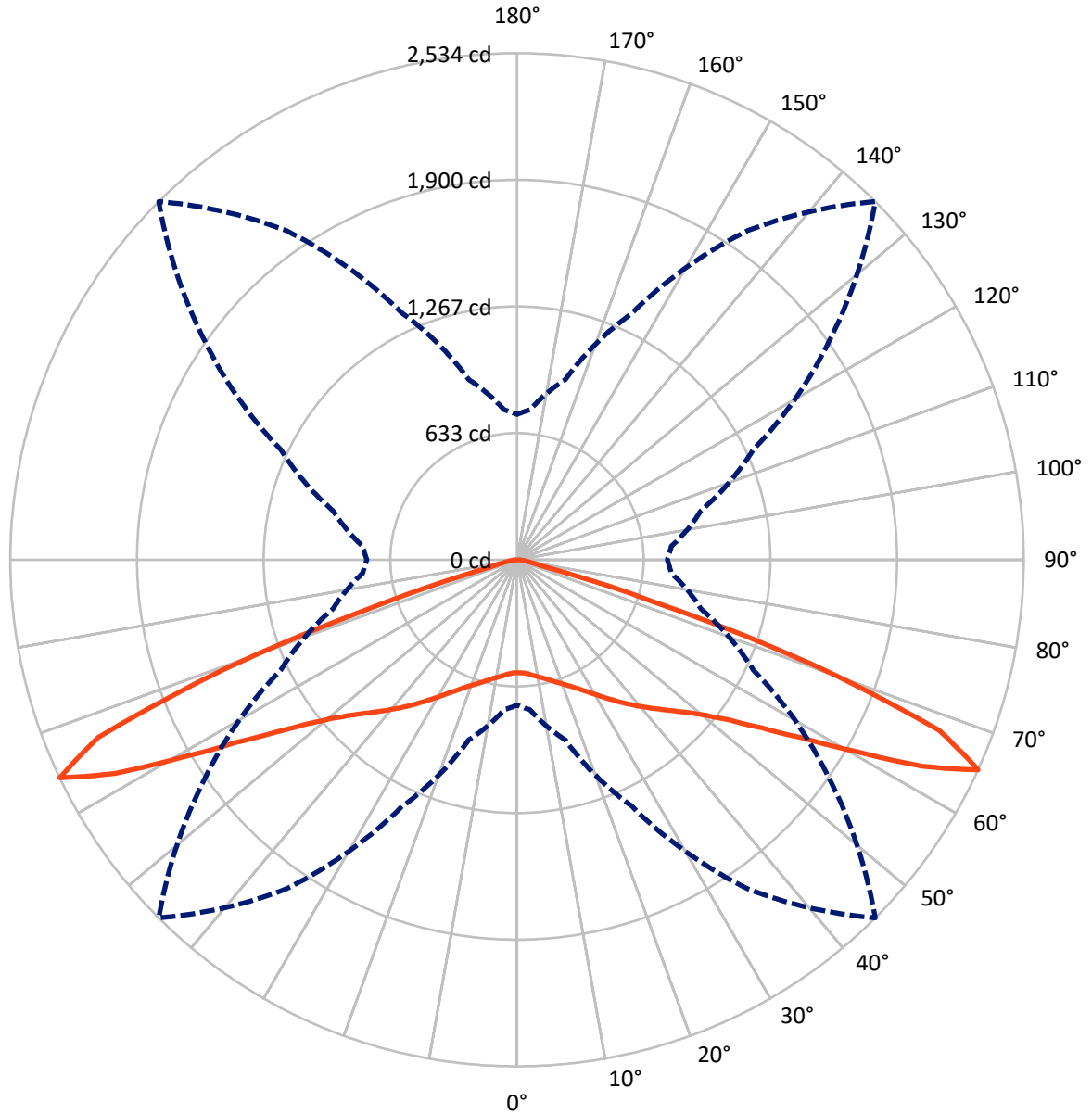
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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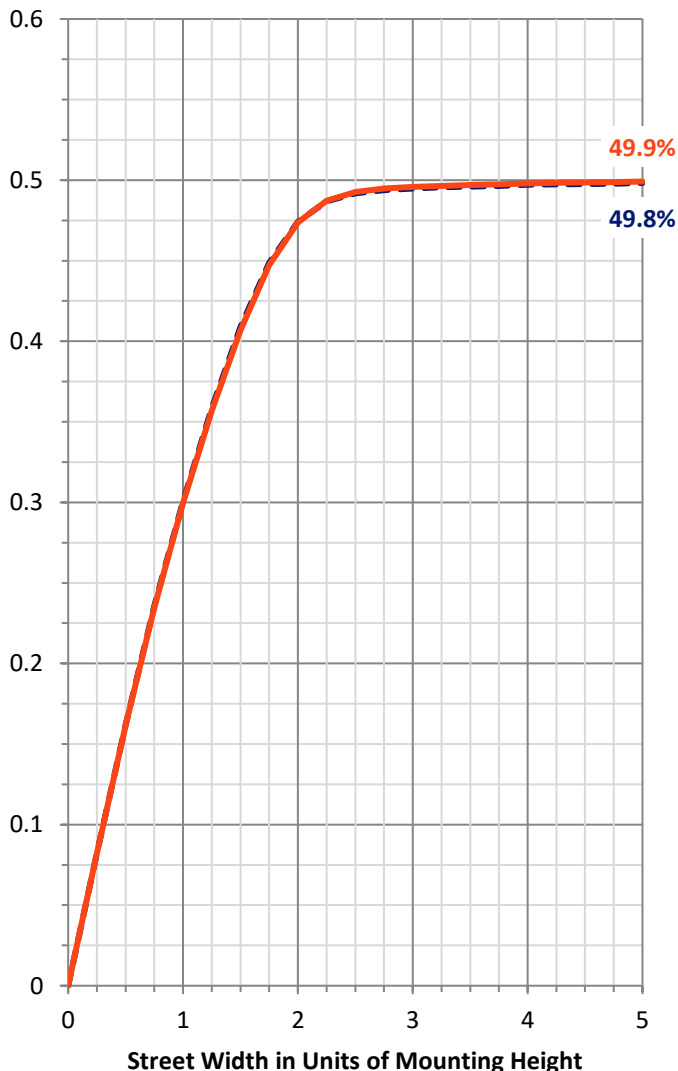
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2338.0	0.0	2338.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2338.0	0.0	2338.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4676.0	0.0	4676.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.4	1.2
10°-20°	178.1	3.8
20°-30°	334.1	7.1
30°-40°	552.6	11.8
40°-50°	855.8	18.3
50°-60°	1312.6	28.1
60°-70°	1224.8	26.2
70°-80°	142.6	3.0
80°-90°	20.0	0.4
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°	4676.0	100.0
0°-180°	4676.0	100.0

**Coefficient of Utilization**



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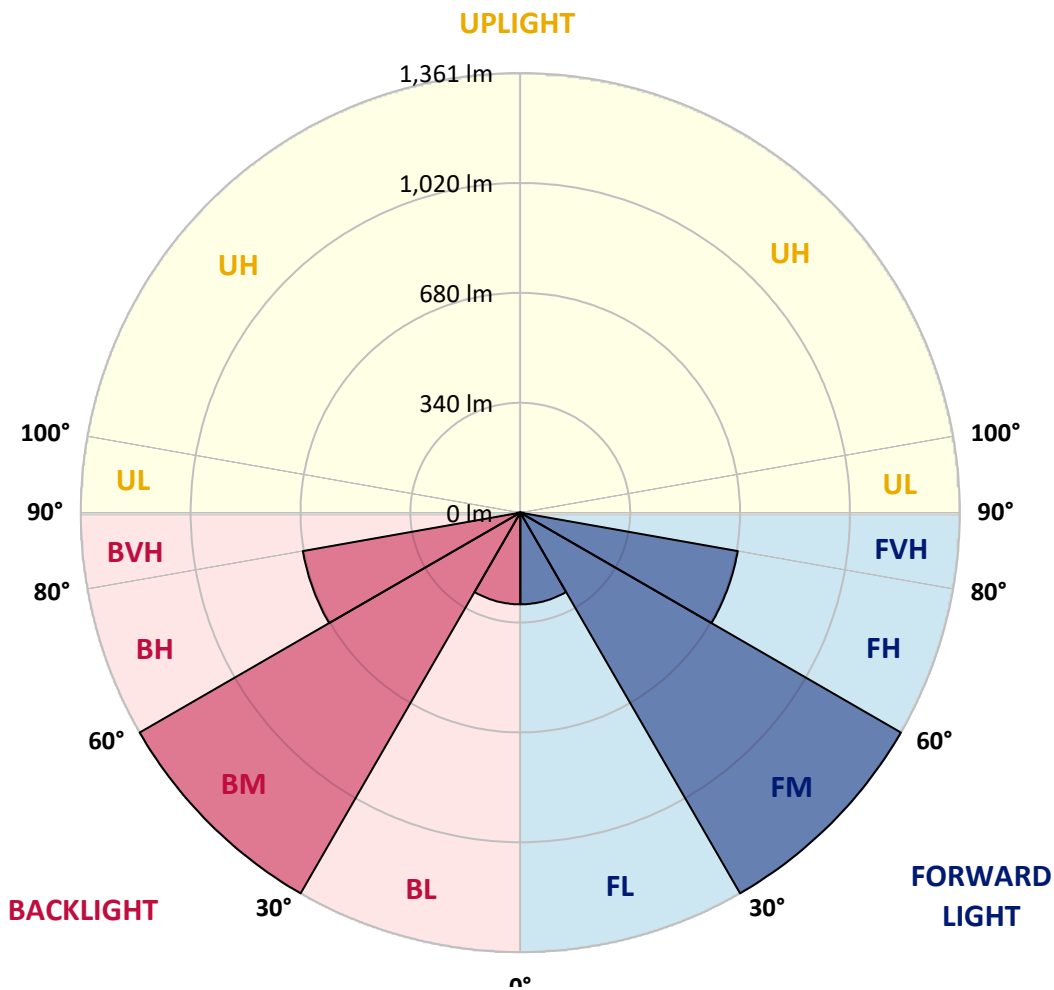
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	283.8	6.1			
FM (30°-60°)	1360.5	29.1			
FH (60°-80°)	683.7	14.6			G1/1800
FVH (80°-90°)	10.0	0.2			G1/100
BL (0°-30°)	283.8	6.1	B1/500		
BM (30°-60°)	1360.5	29.1	B2/2500		
BH (60°-80°)	683.7	14.6	B2/1000		G1/1800
BVH (80°-90°)	10.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7	564.7
2.5°	566.5	566.2	566.5	566.7	565.8	566.2	566.1	566.9	567.2	566.9	566.9
5°	573.1	572.6	573.2	574.0	572.8	573.1	572.6	573.5	573.8	573.2	573.7
7.5°	582.1	582.2	582.8	584.2	583.5	584.1	583.2	583.3	583.2	582.2	582.4
10°	591.8	592.0	593.1	595.0	595.3	595.3	594.6	594.2	593.6	592.9	593.1
12.5°	603.6	604.4	605.2	607.5	607.5	608.8	608.5	607.2	606.1	605.2	605.2
15°	619.6	619.5	620.4	622.7	623.8	625.8	625.8	624.1	622.7	621.8	621.5
17.5°	636.4	636.9	637.5	640.3	642.0	644.3	644.6	643.2	642.3	641.1	640.3
20°	656.0	656.7	659.2	660.3	661.9	664.0	664.8	664.5	663.6	662.9	663.1
22.5°	678.8	680.8	682.3	683.9	685.8	687.3	688.1	689.2	688.2	687.8	687.5
25°	706.4	707.8	710.9	713.7	714.9	715.4	716.3	717.9	717.7	716.6	716.6
27.5°	737.8	740.4	744.3	748.3	748.3	746.8	749.9	752.5	751.6	750.2	748.3
30°	775.8	778.3	782.8	788.4	785.6	784.5	788.7	793.5	792.1	789.8	789.4
32.5°	816.8	819.1	825.0	831.0	827.5	825.9	830.4	837.4	834.9	830.3	827.5
35°	861.2	863.5	871.9	879.2	873.1	870.5	874.2	881.8	877.5	868.8	866.6
37.5°	909.4	910.7	921.5	929.0	924.8	917.8	922.5	928.1	924.3	913.8	909.6
40°	959.6	964.1	976.6	985.3	978.0	967.0	974.8	982.5	976.9	963.4	956.3
42.5°	1018.1	1021.5	1038.3	1046.0	1034.2	1018.7	1029.3	1039.8	1034.2	1021.2	1015.0
45°	1078.9	1084.2	1104.2	1112.0	1094.9	1075.2	1088.1	1106.6	1106.1	1087.3	1080.8
47.5°	1145.2	1150.5	1174.4	1184.6	1166.2	1139.8	1157.9	1184.0	1182.1	1161.5	1156.2
50°	1221.7	1227.3	1257.1	1270.0	1252.8	1222.0	1249.4	1272.3	1268.9	1243.5	1243.9
52.5°	1317.8	1317.5	1354.6	1376.9	1359.3	1332.1	1357.2	1379.6	1365.5	1330.2	1329.1
55°	1401.9	1407.1	1453.0	1495.4	1494.3	1483.9	1494.0	1494.9	1454.6	1407.7	1401.9
57.5°	1457.2	1467.0	1531.7	1608.4	1665.8	1679.6	1660.1	1600.8	1506.2	1431.3	1422.1
60°	1423.2	1438.1	1539.8	1696.1	1865.3	1946.4	1836.1	1652.1	1466.0	1361.6	1349.2
62.5°	1193.8	1218.9	1367.8	1653.7	2036.9	2274.3	1963.7	1569.7	1306.2	1162.3	1141.0
65°	727.0	753.6	933.0	1361.1	2009.2	2533.8	1905.5	1302.9	953.4	774.4	751.4
67.5°	242.3	250.1	355.8	752.3	1579.0	2276.6	1581.7	780.0	414.9	275.0	267.0
70°	94.8	95.6	112.8	218.1	745.7	1563.7	822.8	222.0	118.0	93.3	95.3
72.5°	69.7	70.0	74.8	91.1	194.3	688.9	201.3	91.6	72.8	65.3	65.3
75°	56.0	56.0	59.4	66.4	87.1	158.0	88.3	65.7	57.0	52.2	51.5
77.5°	44.2	45.2	47.8	52.3	59.0	76.1	61.2	52.0	45.9	41.4	40.5
80°	32.9	33.8	38.2	40.4	42.4	52.8	45.2	40.7	36.3	31.0	30.1
82.5°	21.6	22.5	27.9	29.2	28.7	34.5	30.4	30.0	26.7	20.0	19.1
85°	14.1	14.4	18.6	19.4	17.9	15.7	19.4	20.5	18.6	13.0	12.6
87.5°	6.7	6.7	9.5	8.8	8.1	6.5	8.8	10.4	10.6	6.4	6.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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