

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: P386100

Luminaire Tested: **GWC-SA1D-727-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1D-727-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7300 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

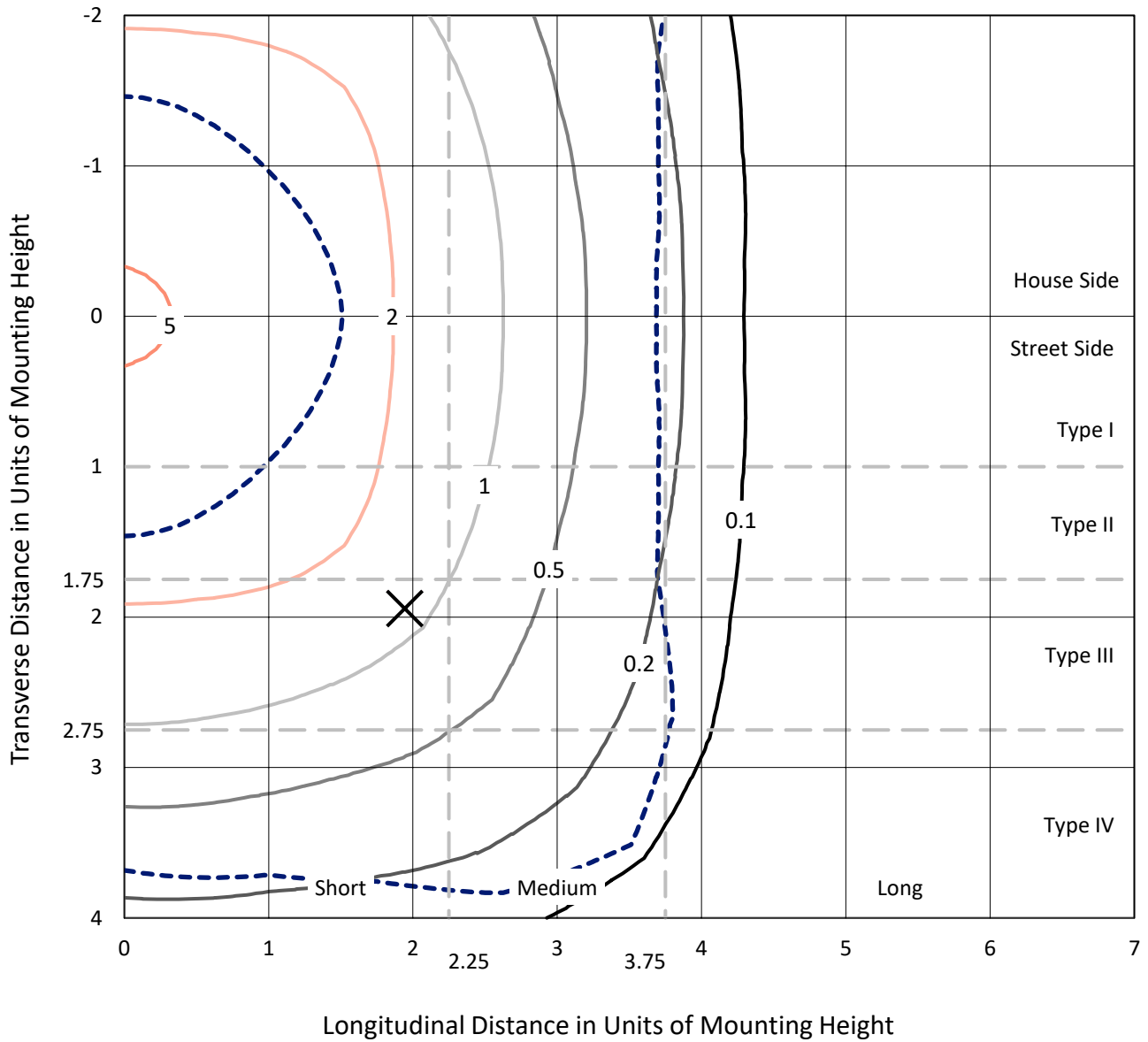
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

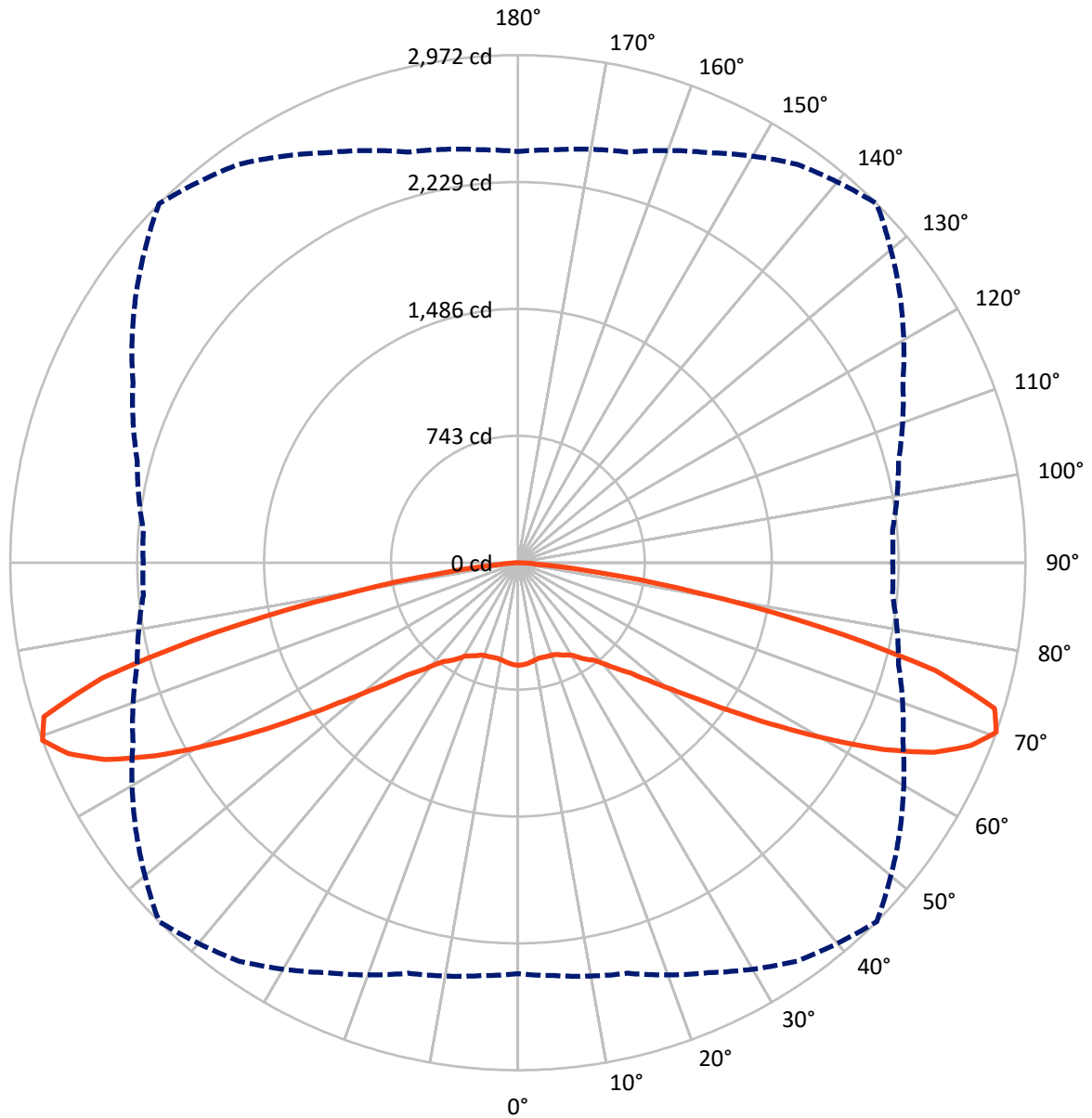
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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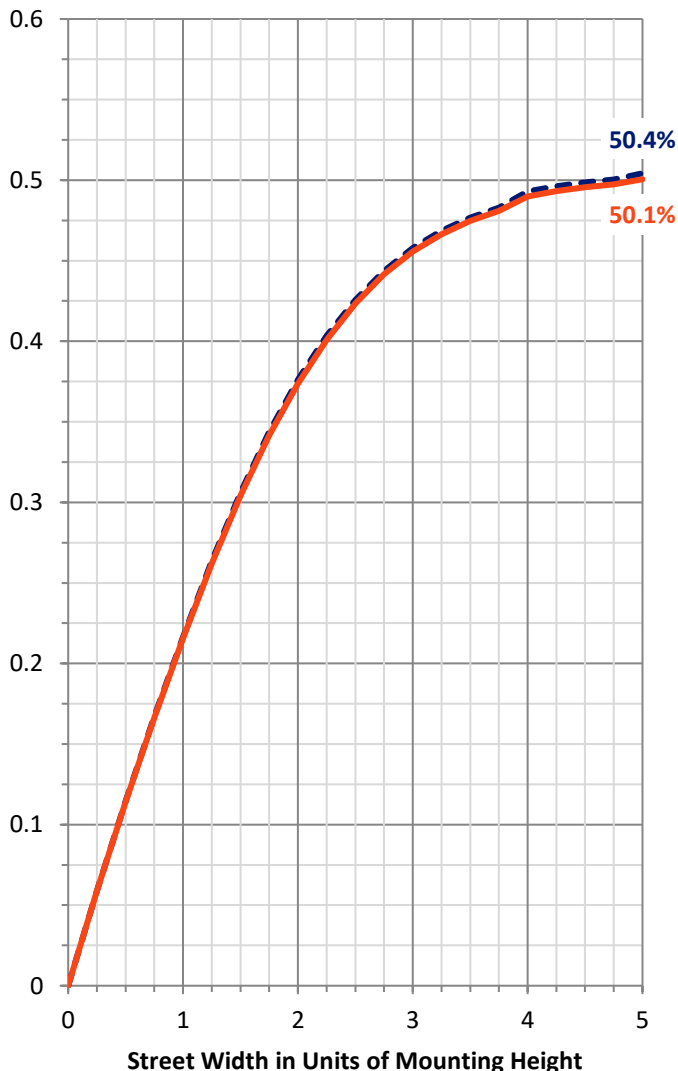
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3650.0	0.0	3650.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3650.0	0.0	3650.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7300.0	0.0	7300.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.1	0.8
10°-20°	163.8	2.2
20°-30°	279.3	3.8
30°-40°	436.4	6.0
40°-50°	739.5	10.1
50°-60°	1348.6	18.5
60°-70°	2321.7	31.8
70°-80°	1819.8	24.9
80°-90°	134.9	1.8
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°	7300.0	100.0
0°-180°	7300.0	100.0

**Coefficient of Utilization**



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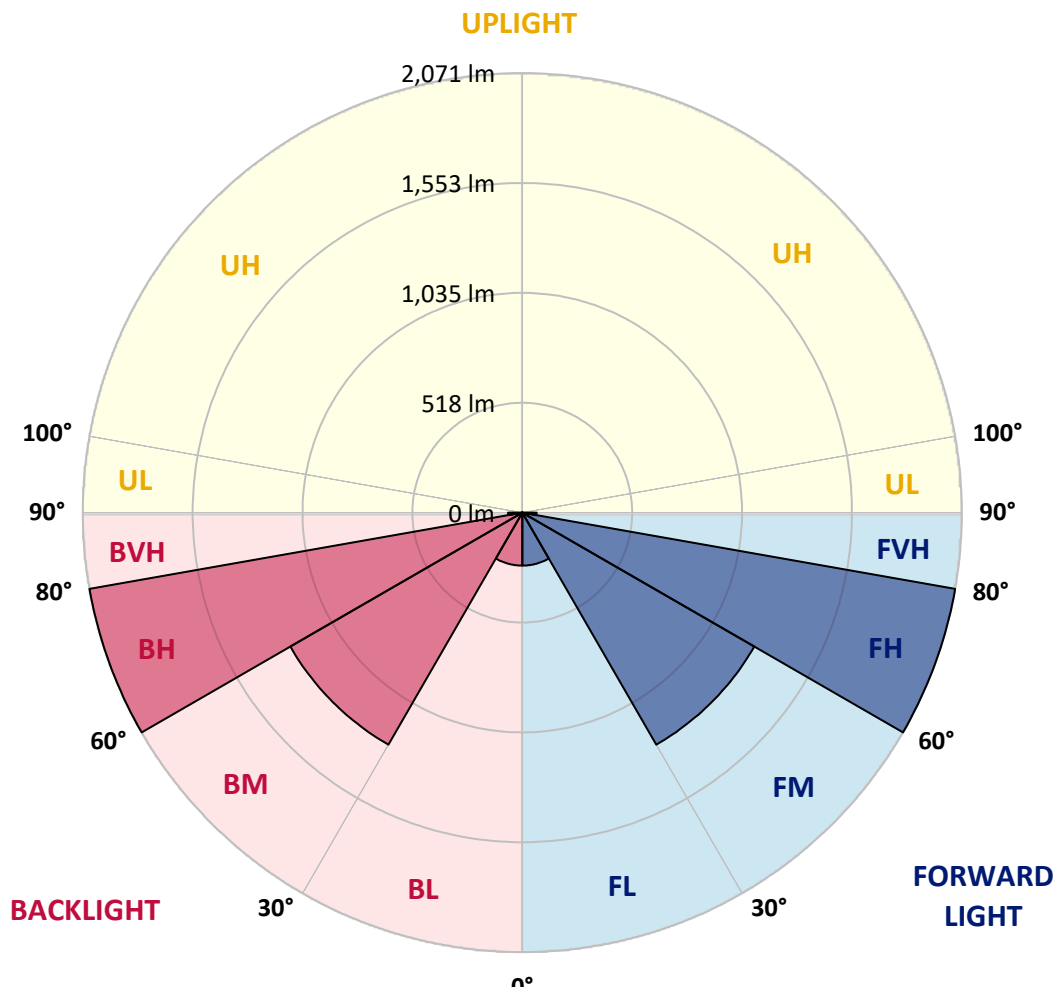
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.6	3.4			
FM (30°-60°)	1262.2	17.3			
FH (60°-80°)	2070.7	28.4			G2/5000
FVH (80°-90°)	67.5	0.9			G1/100
BL (0°-30°)	249.6	3.4	B1/500		
BM (30°-60°)	1262.2	17.3	B2/2500		
BH (60°-80°)	2070.7	28.4	B3/2500		G2/5000
BVH (80°-90°)	67.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8	600.8
2.5°	598.1	598.9	598.1	598.6	597.4	597.9	597.9	597.9	597.7	597.9	597.4
5°	592.8	593.3	592.3	592.8	592.1	592.8	593.1	592.8	592.3	592.6	591.6
7.5°	584.9	585.3	584.6	585.3	584.4	585.6	585.3	584.6	583.9	583.9	582.9
10°	580.5	580.7	578.8	578.1	575.9	576.4	577.1	577.9	578.6	580.0	579.8
12.5°	580.7	580.7	577.9	574.7	571.6	572.3	573.5	576.2	579.1	581.7	582.0
15°	583.2	582.9	578.6	573.5	571.3	573.5	574.2	575.9	580.5	585.1	585.3
17.5°	584.9	584.9	578.1	572.3	572.1	575.4	575.2	575.9	581.0	587.8	588.0
20°	588.0	588.0	579.3	573.0	573.0	576.6	576.9	578.1	583.2	590.6	591.9
22.5°	595.0	595.2	586.1	581.0	581.5	583.6	584.4	586.3	590.9	599.1	600.5
25°	604.9	605.4	596.0	593.1	594.8	598.9	598.4	599.8	604.9	612.9	614.3
27.5°	618.7	617.5	608.8	607.6	609.2	612.1	611.9	612.1	616.2	623.5	625.2
30°	636.5	636.0	629.8	630.5	629.8	628.8	629.0	631.0	633.1	638.9	640.6
32.5°	653.9	654.4	650.5	654.2	659.5	663.1	657.5	652.2	649.8	652.9	654.4
35°	685.3	686.5	680.5	678.1	685.3	695.9	680.2	671.5	676.4	680.5	681.7
37.5°	738.7	739.4	729.3	719.6	714.3	724.4	708.7	709.5	726.4	734.1	733.8
40°	799.5	799.8	793.0	784.6	775.4	777.8	771.5	773.4	784.6	791.6	793.5
42.5°	872.0	871.2	860.6	848.5	845.9	848.3	837.7	836.2	849.0	861.6	861.8
45°	965.9	964.2	950.4	937.2	924.4	919.1	916.4	923.4	941.0	952.6	952.9
47.5°	1067.1	1062.5	1055.2	1044.6	1033.5	1028.2	1023.9	1027.2	1040.0	1044.6	1045.1
50°	1171.2	1172.1	1173.6	1169.5	1165.4	1163.7	1152.3	1145.8	1149.7	1141.2	1140.0
52.5°	1294.6	1296.5	1310.5	1322.3	1329.3	1332.9	1311.5	1289.0	1276.4	1260.0	1255.2
55°	1440.2	1443.3	1463.8	1496.7	1530.5	1548.3	1509.5	1467.4	1428.6	1397.9	1388.0
57.5°	1602.4	1608.0	1636.2	1699.3	1768.6	1810.8	1745.1	1668.8	1593.7	1549.5	1541.8
60°	1792.7	1798.0	1837.1	1927.5	2039.7	2103.3	2003.8	1878.9	1785.5	1743.2	1729.0
62.5°	2019.2	2019.7	2067.8	2173.3	2321.5	2409.9	2275.2	2108.3	2012.0	1961.0	1947.3
65°	2262.9	2264.1	2313.8	2427.8	2581.1	2677.2	2525.1	2351.2	2233.4	2158.3	2147.7
67.5°	2435.0	2440.1	2492.5	2629.7	2773.1	2859.8	2702.4	2505.8	2369.6	2280.0	2271.1
70°	2407.5	2427.3	2488.9	2649.0	2848.4	2972.1	2731.1	2487.4	2307.8	2202.0	2194.5
72.5°	2099.6	2137.5	2219.6	2429.7	2748.7	2919.0	2574.4	2227.9	2024.5	1934.5	1920.9
75°	1429.8	1491.4	1615.2	1918.3	2348.3	2527.3	2167.2	1776.3	1585.0	1460.4	1451.3
77.5°	637.5	651.5	808.5	1157.4	1620.5	1814.9	1574.7	1162.0	872.2	695.7	658.5
80°	177.7	179.9	240.0	431.0	811.1	1066.4	870.8	452.8	254.5	179.4	169.0
82.5°	56.5	61.3	74.9	111.8	272.6	486.6	279.9	120.7	86.0	68.6	61.8
85°	27.5	27.3	37.9	45.4	69.5	107.7	74.1	56.0	49.0	32.6	29.5
87.5°	11.6	11.8	17.6	15.9	20.3	17.4	23.9	25.1	26.3	14.5	12.6
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



Report Generated By 670245982



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