

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: P385707

Luminaire Tested: **GWC-SA1B-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385707
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-SA1B-740-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6296 lumens
Efficiency: N/A
Efficacy: 143.1 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

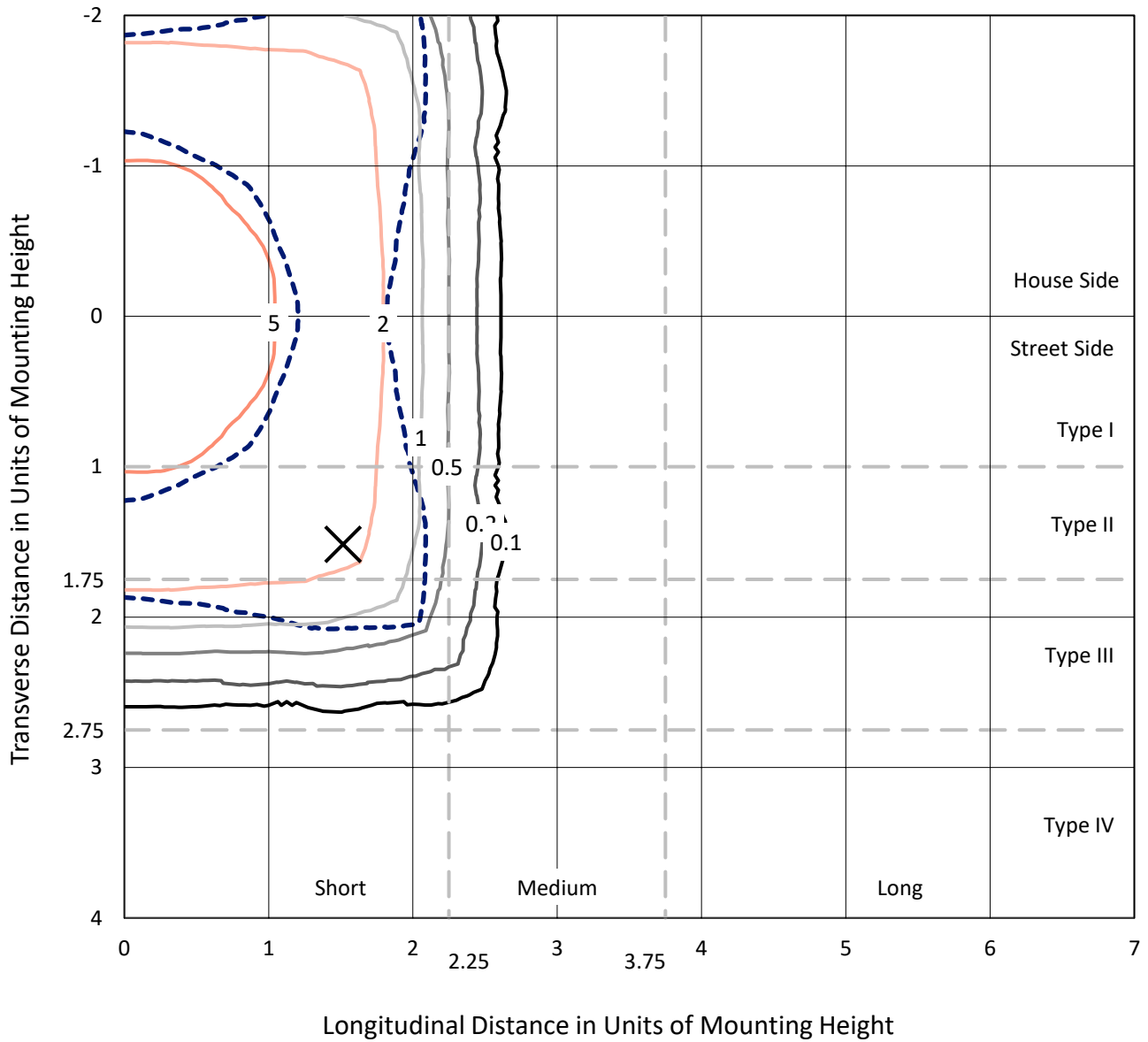
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

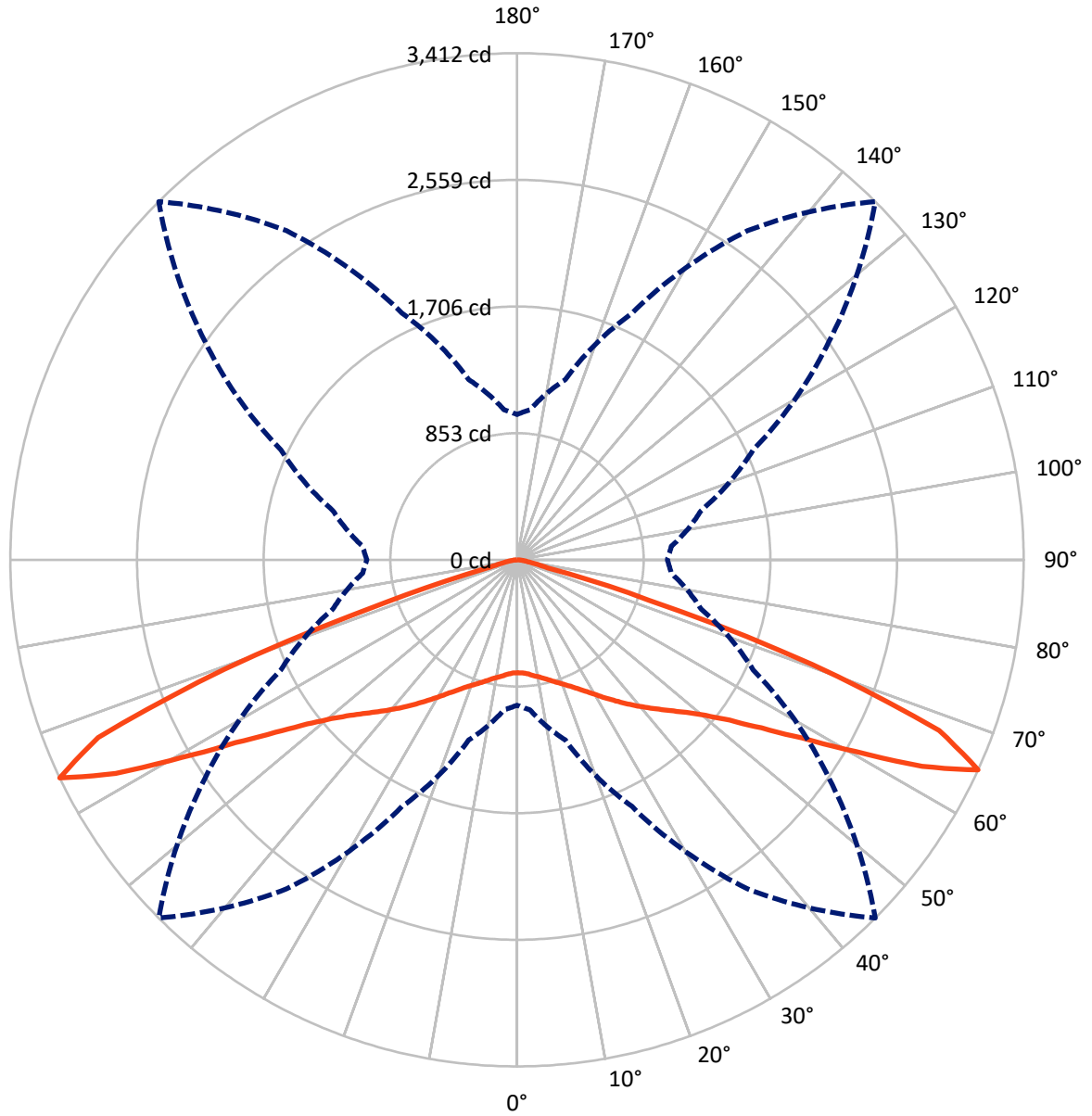
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 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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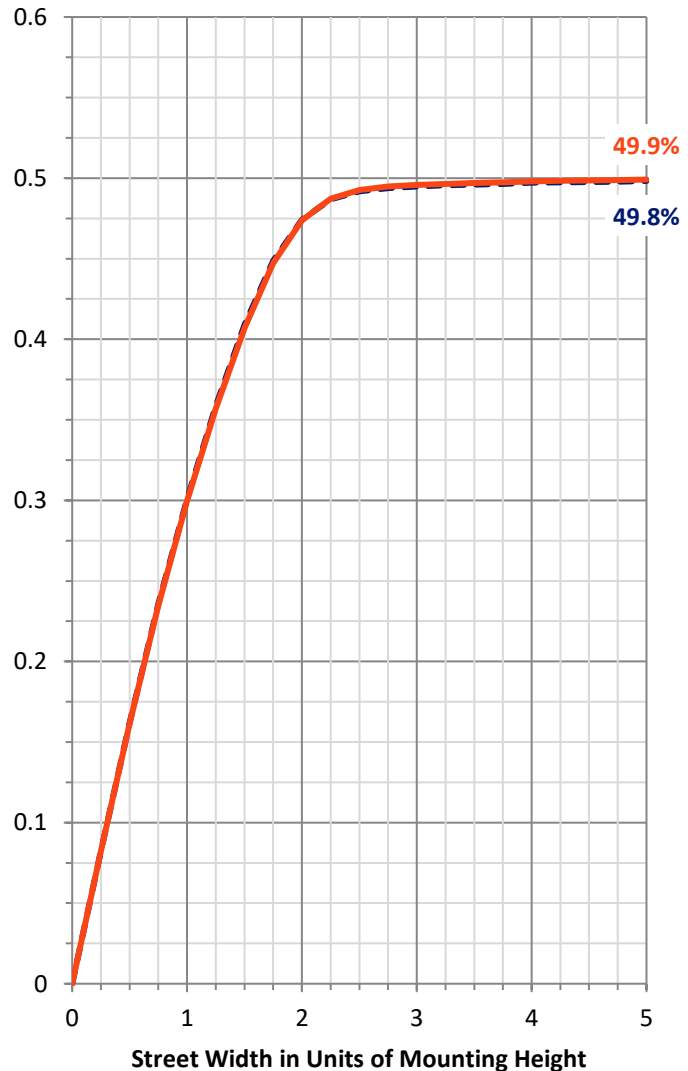
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3148.0	0.0	3148.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3148.0	0.0	3148.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6296.0	0.0	6296.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	1.2
10°-20°	239.8	3.8
20°-30°	449.9	7.1
30°-40°	744.0	11.8
40°-50°	1152.3	18.3
50°-60°	1767.4	28.1
60°-70°	1649.2	26.2
70°-80°	191.9	3.0
80°-90°	27.0	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°	6296.0	100.0
0°-180°	6296.0	100.0

Coefficient of Utilization



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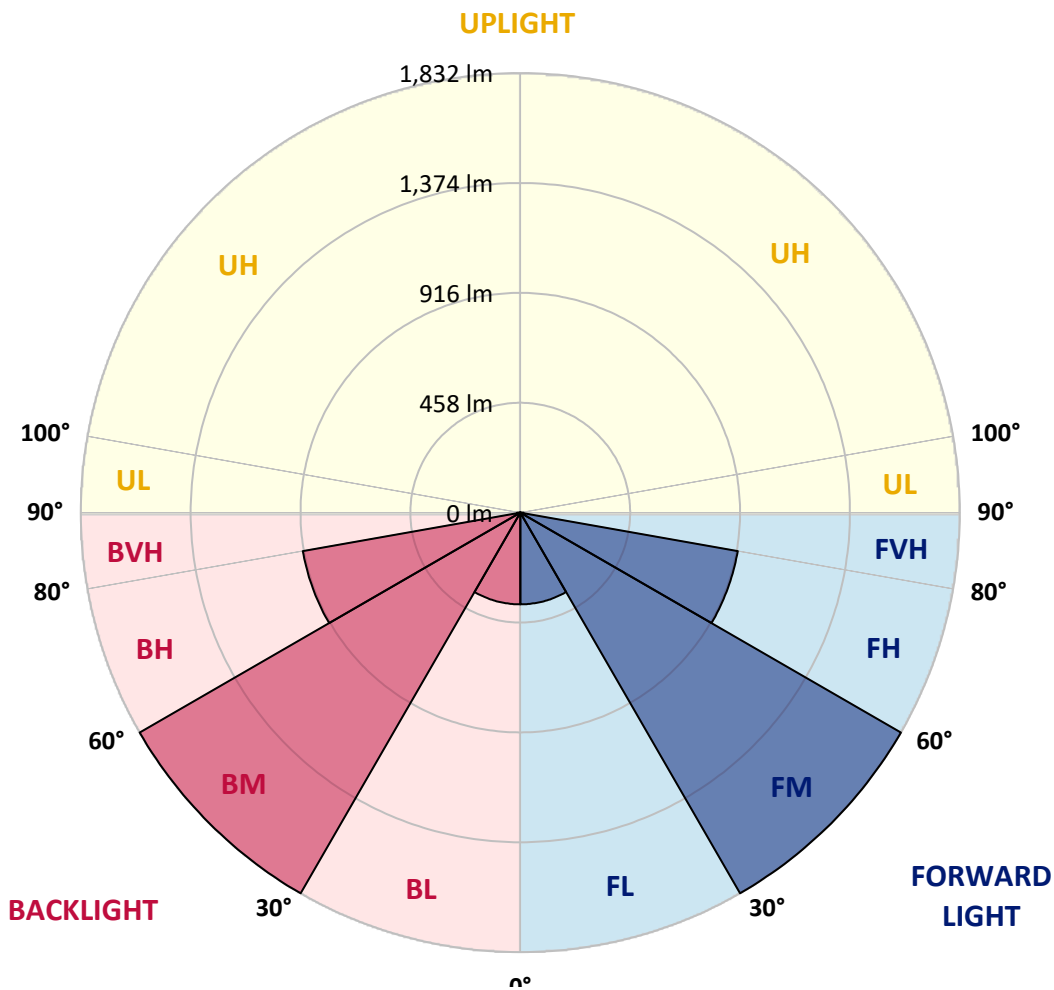
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.1	6.1			
FM (30°-60°)	1831.8	29.1			
FH (60°-80°)	920.5	14.6			G1/1800
FVH (80°-90°)	13.5	0.2			G1/100
BL (0°-30°)	382.1	6.1	B1/500		
BM (30°-60°)	1831.8	29.1	B2/2500		
BH (60°-80°)	920.5	14.6	B2/1000		G1/1800
BVH (80°-90°)	13.5	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°	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3	760.3
2.5°	762.8	762.4	762.8	763.0	761.8	762.4	762.2	763.2	763.7	763.2	763.2
5°	771.6	771.0	771.8	772.9	771.2	771.6	771.0	772.2	772.7	771.8	772.4
7.5°	783.7	783.9	784.8	786.7	785.6	786.4	785.2	785.4	785.2	783.9	784.1
10°	796.9	797.1	798.6	801.1	801.5	801.5	800.7	800.0	799.2	798.4	798.6
12.5°	812.8	813.8	814.9	818.0	818.0	819.7	819.3	817.6	816.1	814.9	814.9
15°	834.3	834.1	835.4	838.5	839.9	842.7	842.7	840.4	838.5	837.2	836.8
17.5°	856.9	857.5	858.3	862.1	864.4	867.5	868.0	866.1	864.8	863.1	862.1
20°	883.2	884.3	887.6	889.1	891.2	894.1	895.1	894.7	893.5	892.6	892.8
22.5°	913.9	916.6	918.7	920.8	923.3	925.4	926.5	927.9	926.7	926.1	925.6
25°	951.1	953.0	957.2	961.0	962.6	963.3	964.5	966.6	966.4	964.9	964.9
27.5°	993.4	996.9	1002.1	1007.6	1007.6	1005.5	1009.7	1013.2	1012.0	1010.1	1007.6
30°	1044.6	1047.9	1054.0	1061.5	1057.7	1056.3	1061.9	1068.4	1066.5	1063.4	1062.9
32.5°	1099.7	1102.9	1110.8	1119.0	1114.1	1112.1	1118.1	1127.5	1124.2	1117.9	1114.1
35°	1159.5	1162.6	1173.9	1183.7	1175.6	1172.0	1177.1	1187.3	1181.4	1169.7	1166.8
37.5°	1224.5	1226.2	1240.8	1250.8	1245.2	1235.8	1242.1	1249.6	1244.6	1230.4	1224.7
40°	1292.0	1298.1	1315.0	1326.7	1316.9	1302.0	1312.5	1322.9	1315.4	1297.2	1287.6
42.5°	1370.8	1375.4	1398.0	1408.4	1392.5	1371.6	1385.8	1400.1	1392.5	1375.0	1366.6
45°	1452.7	1459.8	1486.8	1497.2	1474.2	1447.7	1465.1	1489.9	1489.3	1464.0	1455.2
47.5°	1542.0	1549.1	1581.3	1595.0	1570.2	1534.6	1559.1	1594.2	1591.7	1563.9	1556.8
50°	1645.0	1652.5	1692.6	1710.0	1686.8	1645.4	1682.2	1713.1	1708.5	1674.3	1674.9
52.5°	1774.4	1773.9	1823.9	1854.0	1830.2	1793.6	1827.4	1857.5	1838.5	1791.1	1789.6
55°	1887.6	1894.5	1956.4	2013.5	2012.0	1998.0	2011.6	2012.8	1958.5	1895.4	1887.6
57.5°	1962.0	1975.2	2062.4	2165.6	2242.9	2261.5	2235.2	2155.4	2028.1	1927.1	1914.8
60°	1916.3	1936.3	2073.2	2283.7	2511.5	2620.8	2472.2	2224.5	1974.0	1833.3	1816.6
62.5°	1607.4	1641.2	1841.7	2226.6	2742.6	3062.2	2644.0	2113.6	1758.7	1565.0	1536.3
65°	978.9	1014.7	1256.3	1832.7	2705.2	3411.6	2565.6	1754.3	1283.6	1042.7	1011.7
67.5°	326.2	336.7	479.0	1013.0	2126.1	3065.3	2129.7	1050.2	558.6	370.3	359.5
70°	127.7	128.7	151.9	293.6	1004.0	2105.4	1107.9	298.9	158.8	125.6	128.3
72.5°	93.8	94.3	100.7	122.7	261.7	927.5	271.1	123.3	98.0	88.0	88.0
75°	75.4	75.4	80.0	89.4	117.2	212.8	118.9	88.4	76.7	70.2	69.4
77.5°	59.6	60.8	64.4	70.4	79.4	102.4	82.3	70.0	61.9	55.8	54.5
80°	44.3	45.6	51.4	54.3	57.1	71.1	60.8	54.8	48.9	41.8	40.5
82.5°	29.1	30.3	37.6	39.3	38.7	46.4	41.0	40.3	35.9	27.0	25.7
85°	19.0	19.4	25.1	26.1	24.0	21.1	26.1	27.6	25.1	17.6	16.9
87.5°	9.0	9.0	12.7	11.9	10.9	8.8	11.9	14.0	14.2	8.6	8.4
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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