

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: P385484

Luminaire Tested: **GWC-SA1A-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385484  
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-SA1A-740-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5242 lumens  
Efficiency: N/A  
Efficacy: 154.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

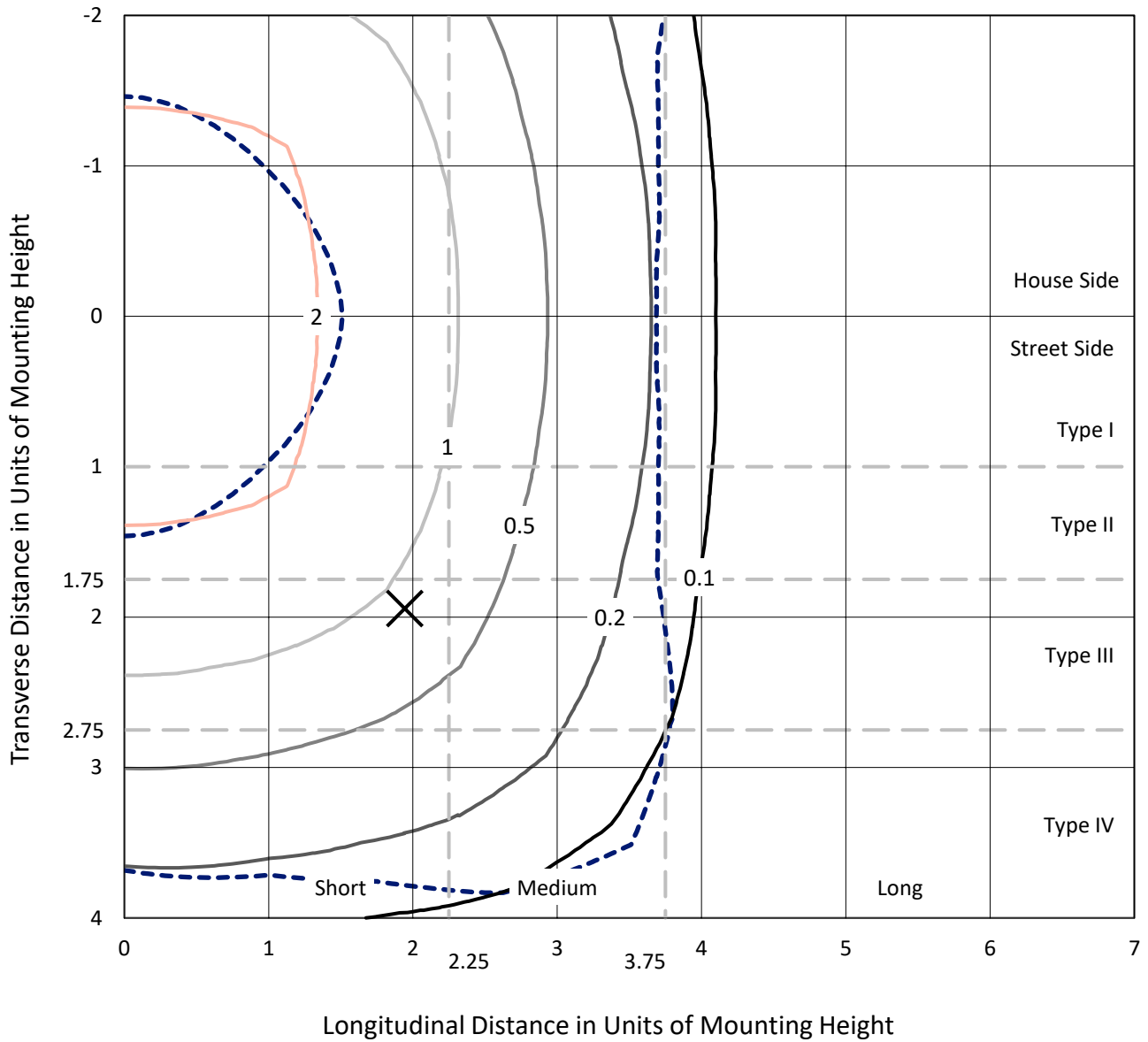
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

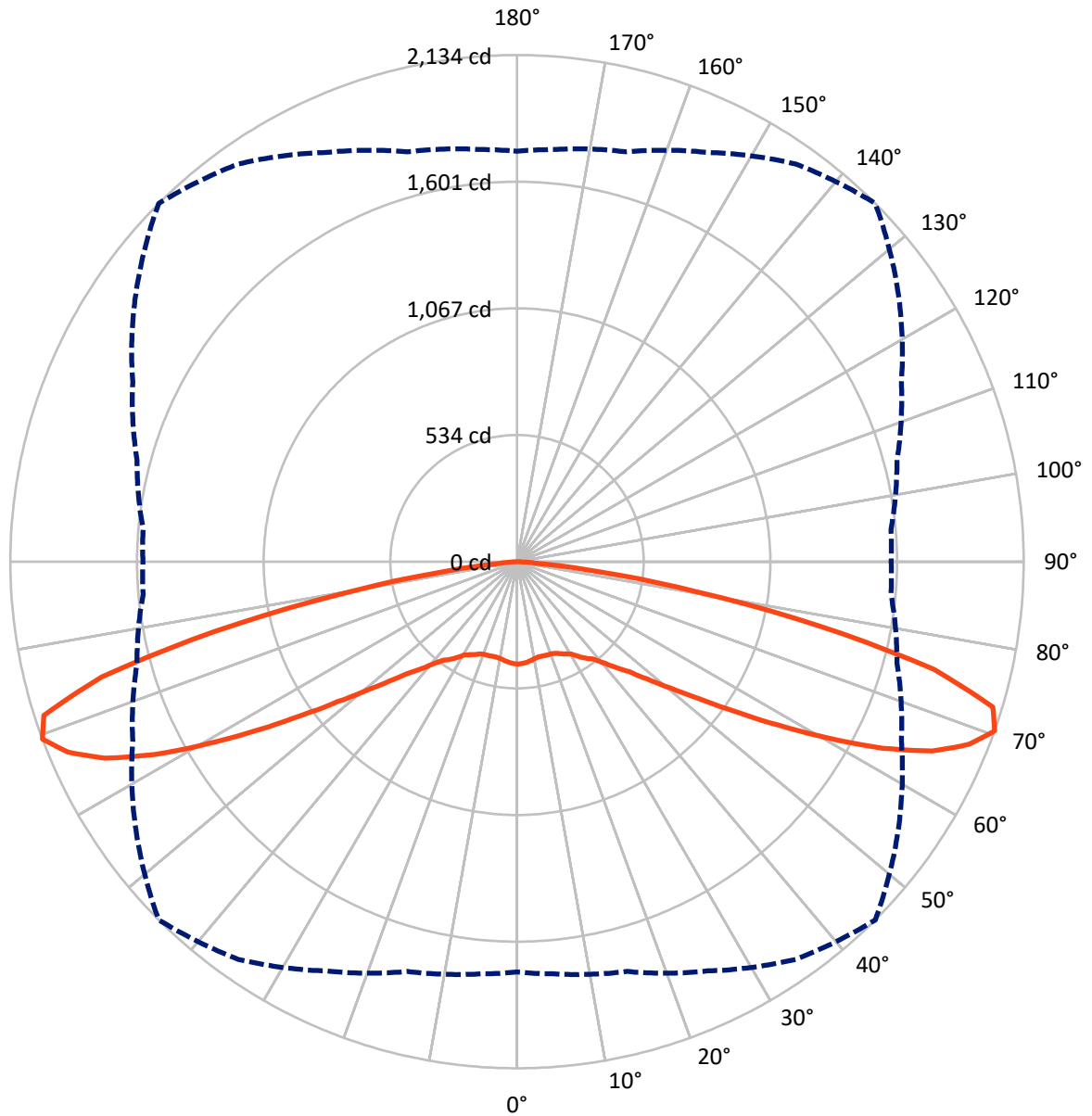
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.3 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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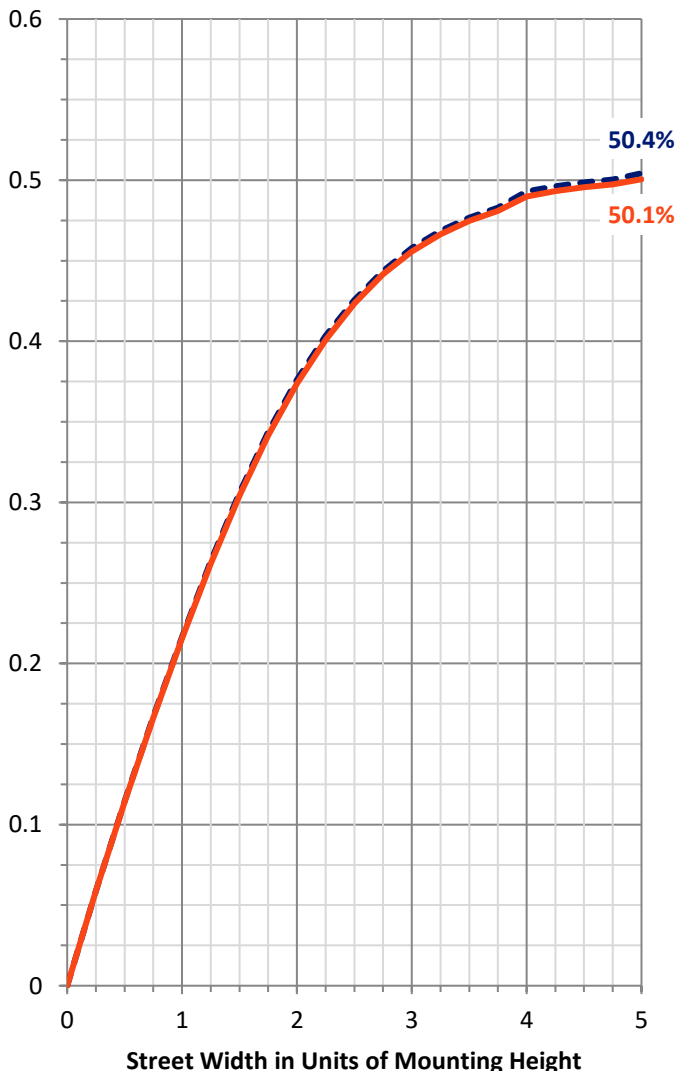
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2621.0	0.0	2621.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2621.0	0.0	2621.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5242.0	0.0	5242.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.3	0.8
10°-20°	117.6	2.2
20°-30°	200.5	3.8
30°-40°	313.3	6.0
40°-50°	531.0	10.1
50°-60°	968.4	18.5
60°-70°	1667.2	31.8
70°-80°	1306.8	24.9
80°-90°	96.9	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°	5242.0	100.0
0°-180°	5242.0	100.0



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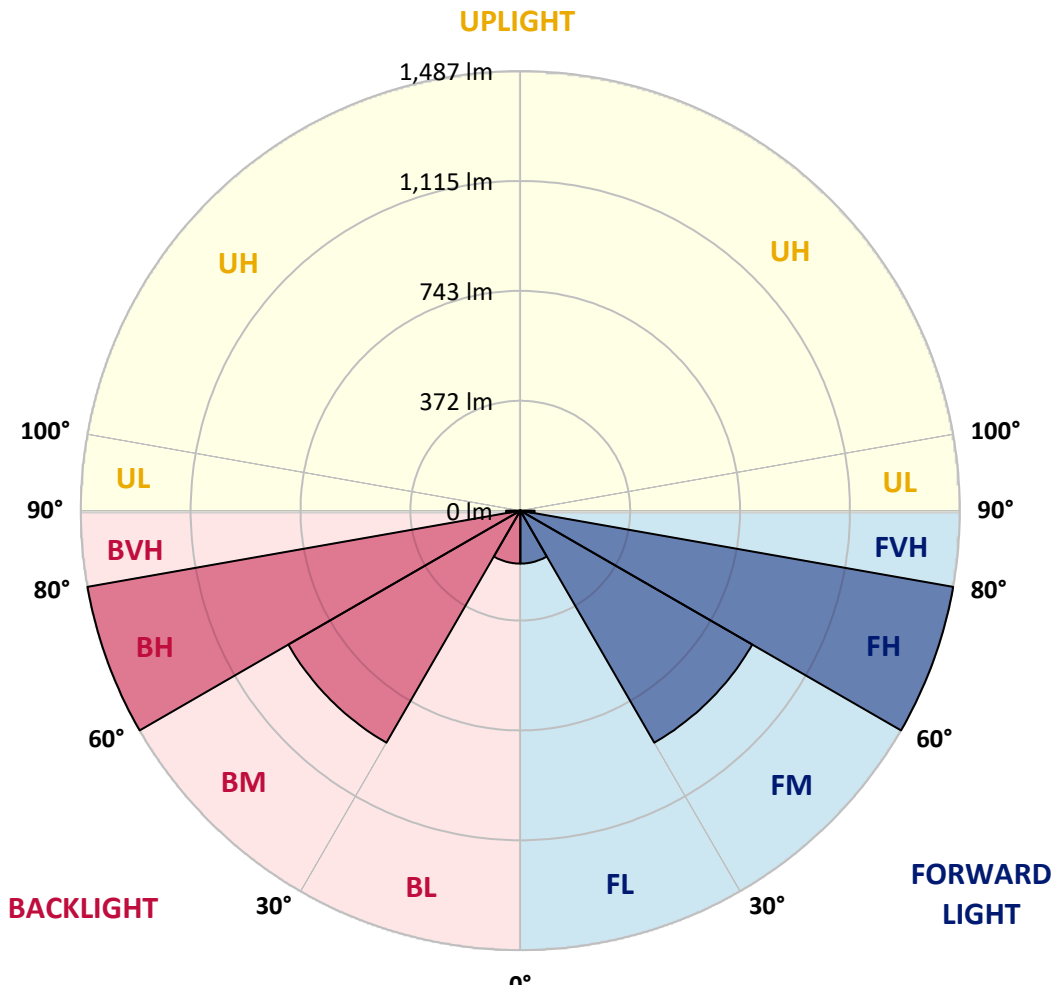
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.2	3.4			
FM (30°-60°)	906.4	17.3			
FH (60°-80°)	1487.0	28.4			G1/1800
FVH (80°-90°)	48.4	0.9			G1/100
BL (0°-30°)	179.2	3.4	B1/500		
BM (30°-60°)	906.4	17.3	B1/1000		
BH (60°-80°)	1487.0	28.4	B3/2500		G1/1800
BVH (80°-90°)	48.4	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-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4	431.4
2.5°	429.5	430.0	429.5	429.9	429.0	429.3	429.3	429.3	429.2	429.3	429.0
5°	425.7	426.0	425.3	425.7	425.2	425.7	425.9	425.7	425.3	425.5	424.8
7.5°	420.0	420.3	419.8	420.3	419.6	420.5	420.3	419.8	419.3	419.3	418.6
10°	416.9	417.0	415.6	415.1	413.6	413.9	414.4	414.9	415.5	416.5	416.3
12.5°	417.0	417.0	414.9	412.7	410.4	411.0	411.8	413.7	415.8	417.7	417.9
15°	418.8	418.6	415.5	411.8	410.3	411.8	412.3	413.6	416.9	420.1	420.3
17.5°	420.0	420.0	415.1	411.0	410.8	413.2	413.0	413.6	417.2	422.1	422.2
20°	422.2	422.2	416.0	411.5	411.5	414.1	414.3	415.1	418.8	424.1	425.0
22.5°	427.3	427.4	420.8	417.2	417.5	419.1	419.6	421.0	424.3	430.2	431.2
25°	434.4	434.7	427.9	425.9	427.1	430.0	429.7	430.7	434.4	440.1	441.1
27.5°	444.2	443.4	437.1	436.3	437.5	439.6	439.4	439.6	442.5	447.7	448.9
30°	457.1	456.7	452.2	452.7	452.2	451.5	451.7	453.1	454.7	458.8	460.0
32.5°	469.6	469.9	467.1	469.7	473.6	476.2	472.2	468.4	466.6	468.9	469.9
35°	492.1	493.0	488.6	486.9	492.1	499.7	488.5	482.2	485.7	488.6	489.5
37.5°	530.4	530.9	523.7	516.7	512.9	520.2	508.9	509.4	521.6	527.1	527.0
40°	574.1	574.3	569.4	563.4	556.8	558.5	554.0	555.4	563.4	568.4	569.8
42.5°	626.1	625.6	618.0	609.3	607.4	609.2	601.5	600.5	609.7	618.7	618.9
45°	693.6	692.4	682.5	673.0	663.8	660.0	658.1	663.1	675.7	684.1	684.2
47.5°	766.3	763.0	757.8	750.1	742.1	738.3	735.2	737.6	746.8	750.1	750.5
50°	841.0	841.7	842.7	839.8	836.8	835.6	827.5	822.8	825.6	819.5	818.6
52.5°	929.6	931.0	941.0	949.5	954.6	957.2	941.7	925.6	916.6	904.8	901.3
55°	1034.2	1036.4	1051.1	1074.7	1099.0	1111.8	1083.9	1053.7	1025.8	1003.8	996.7
57.5°	1150.7	1154.7	1175.0	1220.2	1270.0	1300.3	1253.2	1198.4	1144.4	1112.7	1107.2
60°	1287.3	1291.1	1319.2	1384.1	1464.7	1510.3	1438.9	1349.2	1282.1	1251.8	1241.5
62.5°	1450.0	1450.3	1484.8	1560.6	1667.1	1730.5	1633.8	1513.9	1444.8	1408.2	1398.3
65°	1624.9	1625.8	1661.5	1743.4	1853.5	1922.5	1813.2	1688.4	1603.8	1549.8	1542.2
67.5°	1748.6	1752.2	1789.8	1888.3	1991.3	2053.6	1940.5	1799.4	1701.6	1637.2	1630.8
70°	1728.8	1743.0	1787.2	1902.2	2045.4	2134.2	1961.1	1786.2	1657.2	1581.2	1575.9
72.5°	1507.7	1534.9	1593.9	1744.7	1973.8	2096.1	1848.6	1599.8	1453.8	1389.1	1379.4
75°	1026.7	1070.9	1159.9	1377.5	1686.3	1814.8	1556.3	1275.5	1138.2	1048.7	1042.1
77.5°	457.8	467.8	580.5	831.1	1163.7	1303.3	1130.7	834.4	626.3	499.6	472.9
80°	127.6	129.2	172.4	309.5	582.4	765.7	625.3	325.1	182.8	128.8	121.4
82.5°	40.6	44.0	53.8	80.3	195.8	349.4	201.0	86.7	61.7	49.2	44.4
85°	19.8	19.6	27.2	32.6	49.9	77.3	53.2	40.2	35.2	23.4	21.2
87.5°	8.3	8.5	12.7	11.4	14.6	12.5	17.2	18.0	18.9	10.4	9.0
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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