

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: P385678

Luminaire Tested: **GWC-SA1B-730-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1B-730-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5839 lumens  
Efficiency: N/A  
Efficacy: 132.7 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

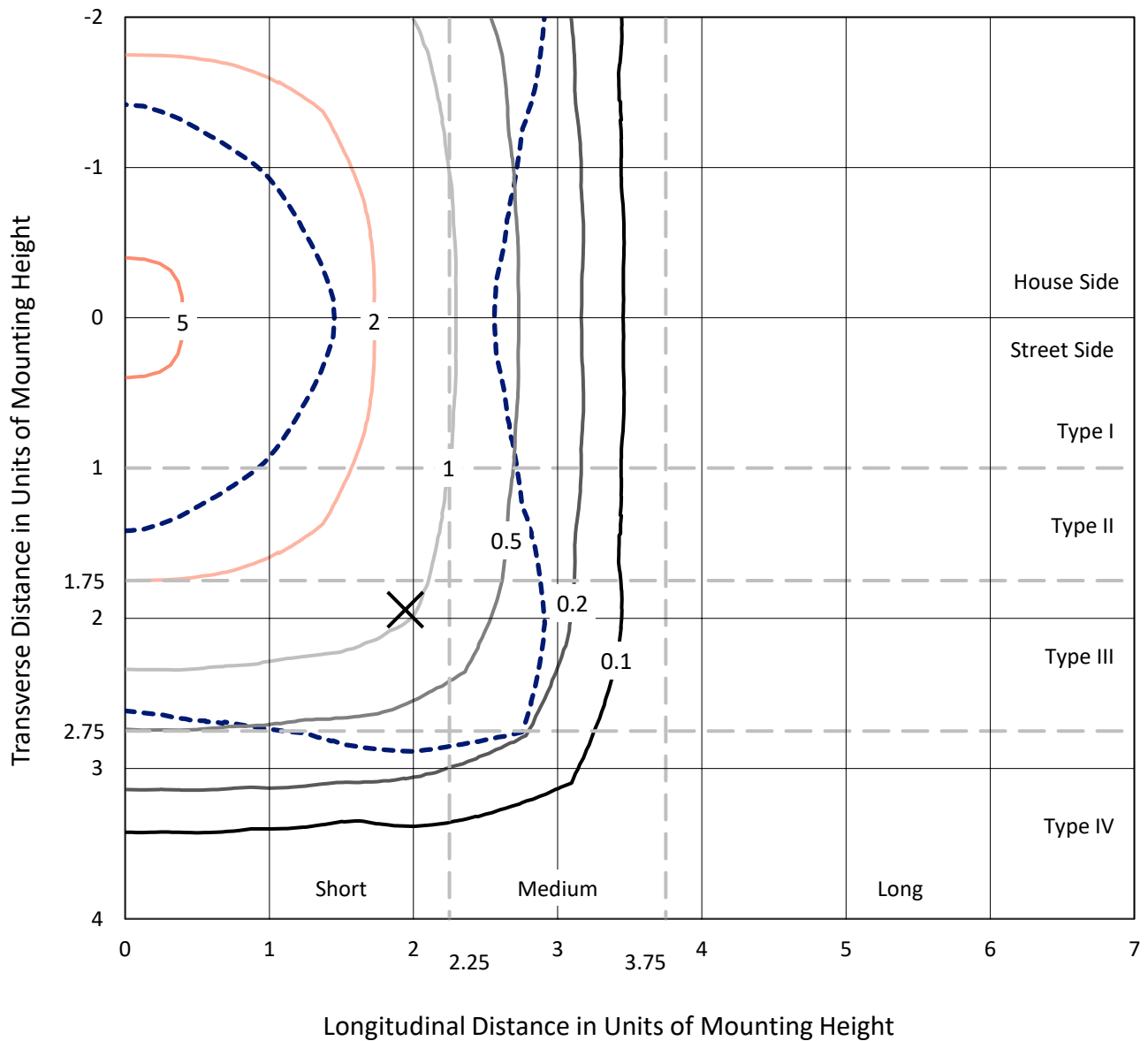
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

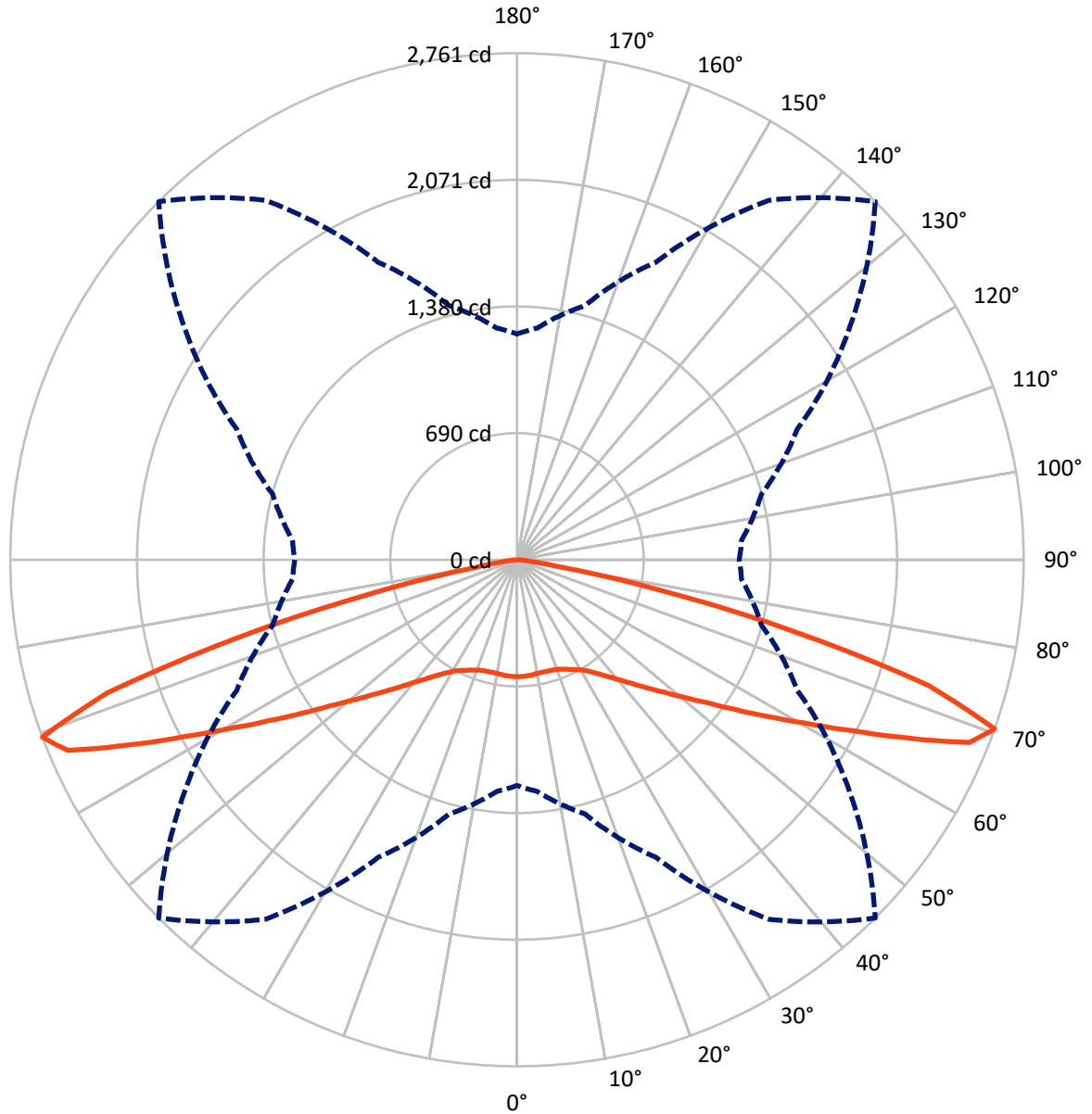
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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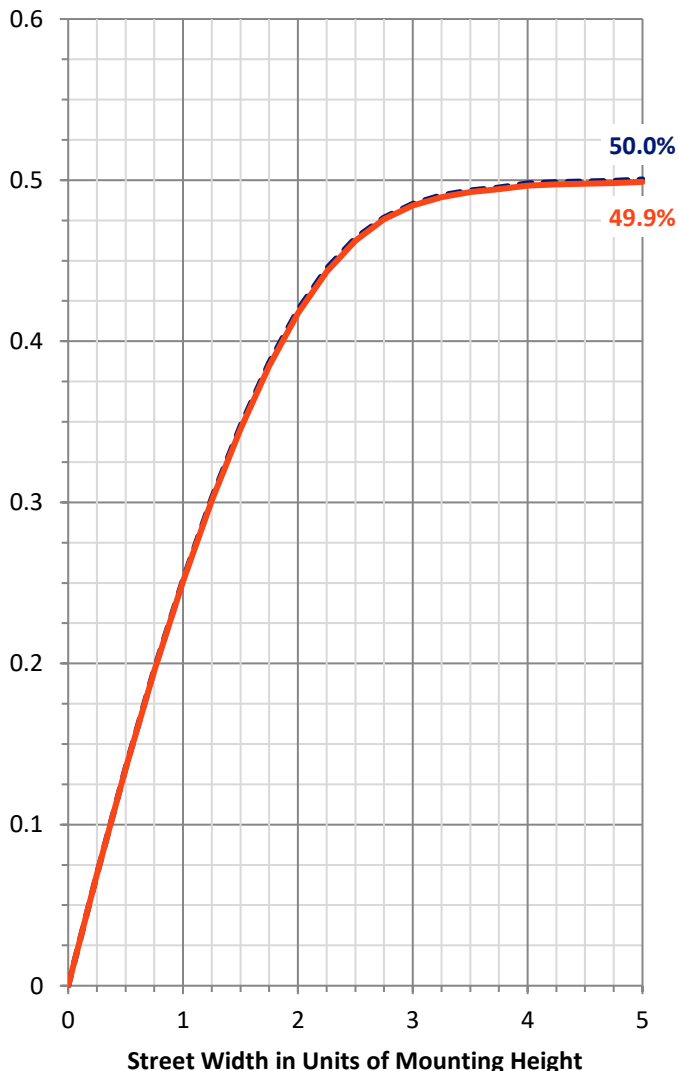
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2919.5	0.0	2919.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2919.5	0.0	2919.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5839.0	0.0	5839.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.4	1.0
10°-20°	177.3	3.0
20°-30°	301.8	5.2
30°-40°	478.7	8.2
40°-50°	779.0	13.3
50°-60°	1284.5	22.0
60°-70°	1885.6	32.3
70°-80°	833.8	14.3
80°-90°	37.8	0.6
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°	5839.0	100.0
0°-180°	5839.0	100.0

**Coefficient of Utilization**



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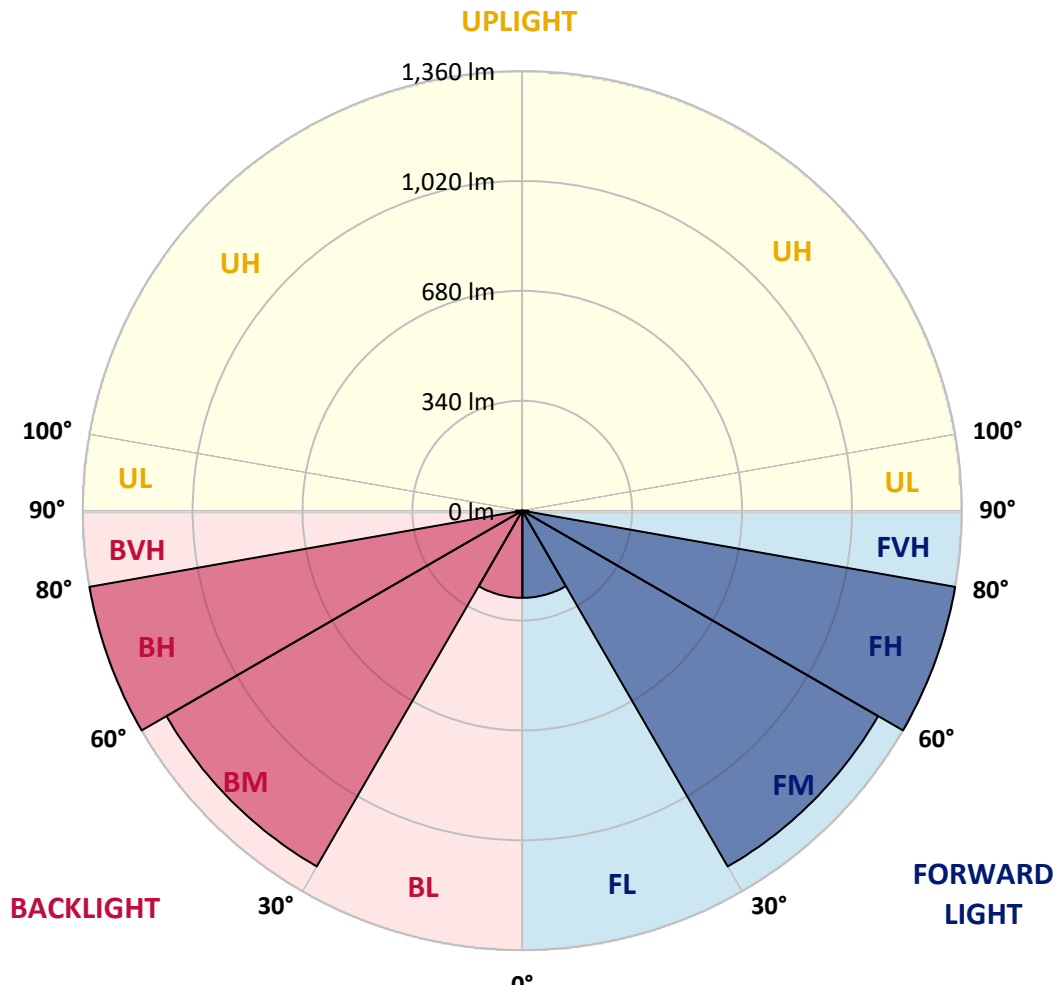
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	269.8	4.6			
FM (30°-60°)	1271.1	21.8			
FH (60°-80°)	1359.7	23.3			G1/1800
FVH (80°-90°)	18.9	0.3			G1/100
BL (0°-30°)	269.8	4.6	B1/500		
BM (30°-60°)	1271.1	21.8	B2/2500		
BH (60°-80°)	1359.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	18.9	0.3			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°	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7	637.7
2.5°	636.7	636.2	637.5	637.3	636.2	636.4	636.4	636.9	636.9	636.6	636.6
5°	634.4	634.0	635.6	635.6	634.4	634.8	635.2	635.8	635.6	635.2	635.0
7.5°	631.5	631.3	632.9	632.9	632.1	632.5	632.1	632.3	631.9	631.5	630.9
10°	626.7	627.1	628.4	628.8	628.8	629.0	628.6	627.7	627.1	626.5	625.9
12.5°	622.3	622.1	624.0	625.0	626.5	628.2	627.1	624.4	623.2	622.1	621.7
15°	619.4	619.5	621.5	623.2	625.9	629.6	628.2	624.0	621.7	620.3	619.9
17.5°	618.8	619.2	621.7	624.8	627.7	631.7	630.9	626.7	622.8	620.3	619.7
20°	620.1	620.3	624.2	628.6	633.7	637.5	635.8	631.1	625.9	622.1	621.1
22.5°	622.6	623.4	628.2	635.2	642.9	648.1	646.0	638.1	630.0	625.1	623.8
25°	630.6	630.8	637.3	646.8	656.1	662.1	659.5	648.3	637.9	632.5	630.8
27.5°	647.0	647.6	654.1	665.2	673.1	676.9	675.4	666.3	657.4	651.6	652.2
30°	670.8	671.5	678.9	691.0	695.9	696.8	696.5	692.2	684.1	676.4	676.9
32.5°	699.7	700.1	710.0	721.0	724.9	725.6	724.9	721.0	711.3	700.9	701.5
35°	737.0	738.2	747.7	758.3	761.4	762.9	761.6	756.6	746.5	736.3	735.9
37.5°	783.0	783.2	793.1	804.1	808.0	808.3	806.8	803.5	791.0	781.7	781.1
40°	836.4	837.1	848.7	860.5	862.1	860.3	862.5	860.5	847.6	836.9	838.7
42.5°	901.3	903.0	916.9	928.5	924.1	923.1	924.5	925.1	914.6	901.7	900.5
45°	976.9	978.4	995.8	1005.1	1002.2	995.8	998.5	1003.1	988.6	972.6	974.1
47.5°	1063.0	1066.9	1085.5	1094.2	1087.0	1078.3	1083.5	1090.5	1073.5	1053.6	1052.6
50°	1158.9	1163.7	1188.5	1200.6	1193.5	1177.4	1186.1	1190.8	1166.2	1140.5	1138.4
52.5°	1261.1	1266.0	1297.1	1322.2	1317.5	1292.6	1304.8	1300.0	1271.7	1237.2	1234.5
55°	1376.9	1378.8	1412.4	1453.0	1457.6	1439.3	1438.5	1430.6	1388.9	1348.9	1346.9
57.5°	1495.9	1497.3	1540.7	1588.7	1610.5	1610.5	1588.9	1572.1	1516.6	1470.2	1465.4
60°	1624.4	1629.3	1677.4	1742.5	1793.5	1808.6	1770.3	1724.5	1664.2	1607.6	1602.0
62.5°	1738.8	1744.4	1818.1	1915.1	1997.0	2051.9	1958.3	1883.8	1774.0	1683.2	1672.5
65°	1753.3	1768.4	1875.6	2051.3	2234.7	2344.3	2164.9	1981.2	1781.1	1655.0	1644.1
67.5°	1601.2	1626.7	1771.7	2045.1	2424.1	2659.2	2296.9	1925.5	1652.8	1513.3	1501.3
70°	1230.4	1267.5	1434.7	1788.9	2391.4	2760.7	2214.2	1685.7	1378.0	1227.9	1211.1
72.5°	675.0	690.3	840.6	1225.0	1917.2	2346.0	1846.8	1246.4	913.9	743.6	715.4
75°	214.1	219.5	296.1	501.3	1084.5	1553.9	1173.2	611.8	336.8	248.3	245.4
77.5°	95.1	95.7	107.1	146.3	373.5	787.3	448.7	166.6	114.8	100.3	103.6
80°	60.1	60.1	66.3	72.5	101.6	228.6	121.4	79.2	67.6	62.8	64.2
82.5°	28.8	31.9	43.1	46.4	55.8	76.9	62.2	51.8	45.2	33.6	31.3
85°	18.9	15.8	27.2	30.7	32.5	36.9	36.1	34.2	29.6	16.8	18.7
87.5°	8.5	8.1	14.1	12.9	12.2	9.3	13.9	17.2	16.6	8.3	8.3
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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