

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: P385711

Luminaire Tested: **GWC-SA1B-735-U-RW**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385711  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GWC-SA1B-735-U-RW  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5859.9 lumens  
Efficiency: N/A  
Efficacy: 133.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

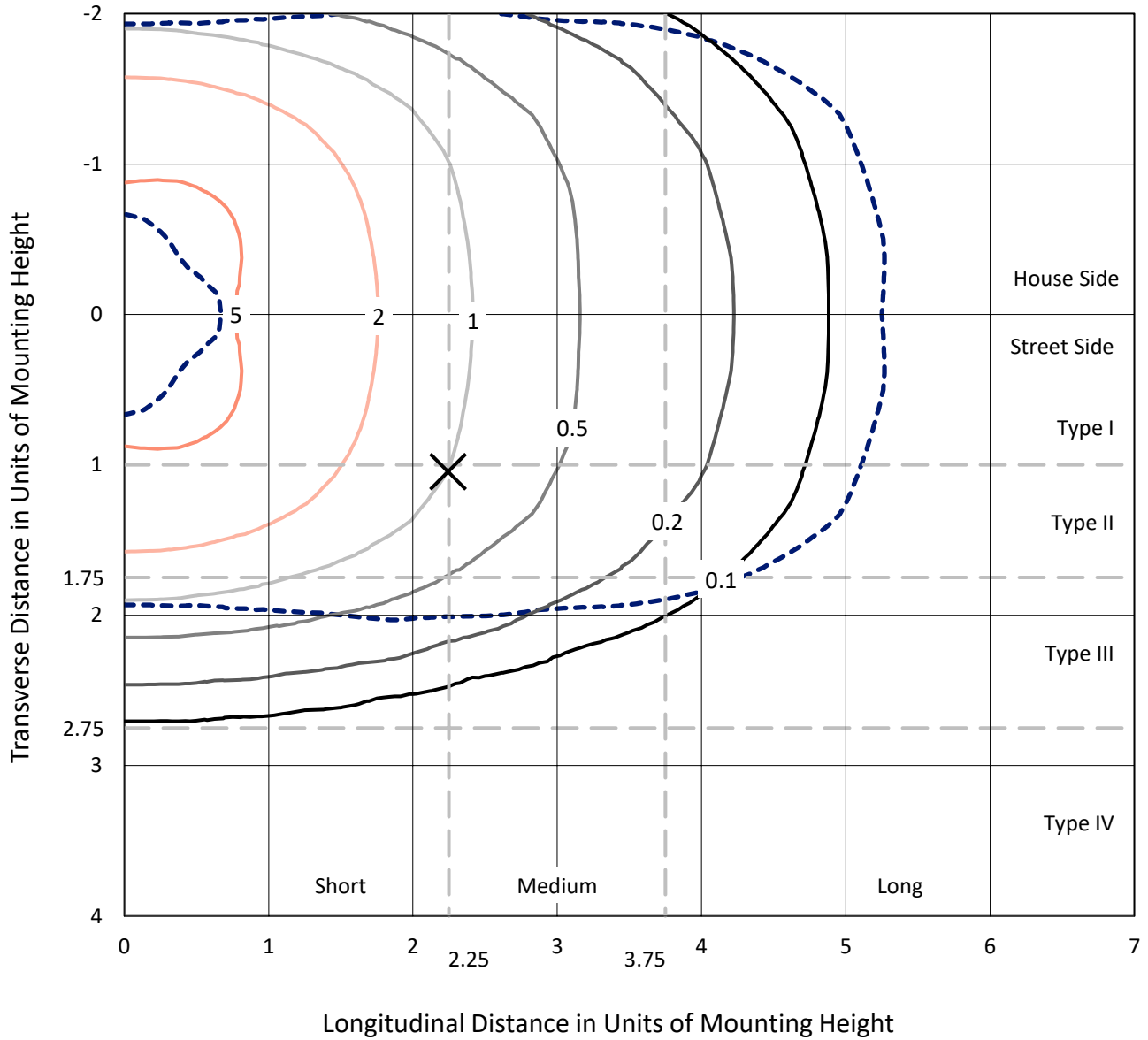
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

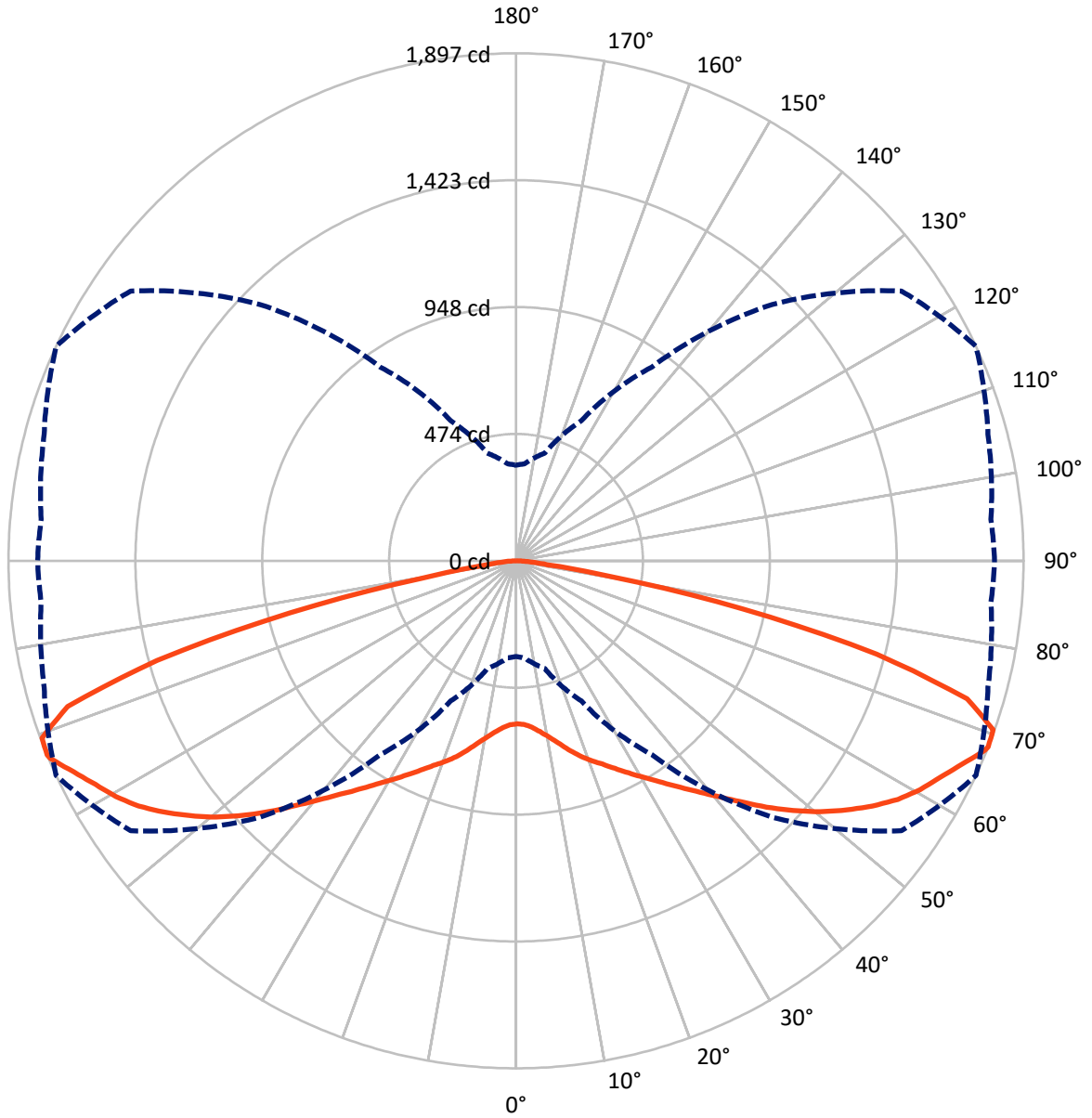
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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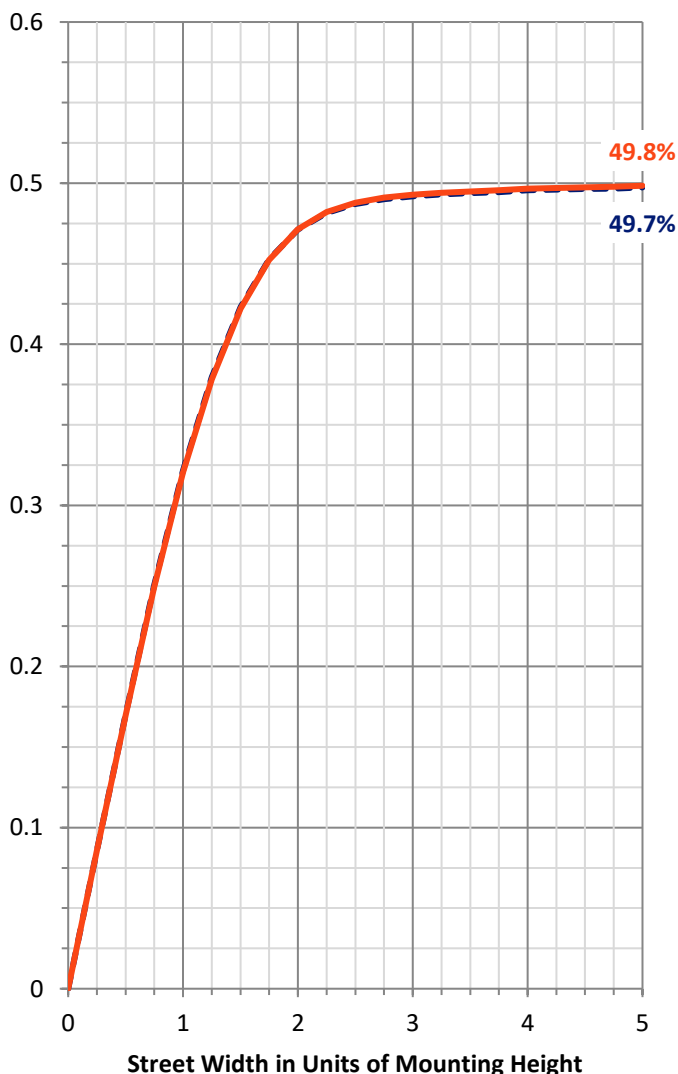
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2930.0	0.0	2930.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5859.9	0.0	5859.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	1.0
10°-20°	199.7	3.4
20°-30°	389.5	6.6
30°-40°	654.3	11.2
40°-50°	1030.9	17.6
50°-60°	1378.6	23.5
60°-70°	1340.2	22.9
70°-80°	732.6	12.5
80°-90°	74.5	1.3
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°	5859.9	100.0
0°-180°	5859.9	100.0

**Coefficient of Utilization**



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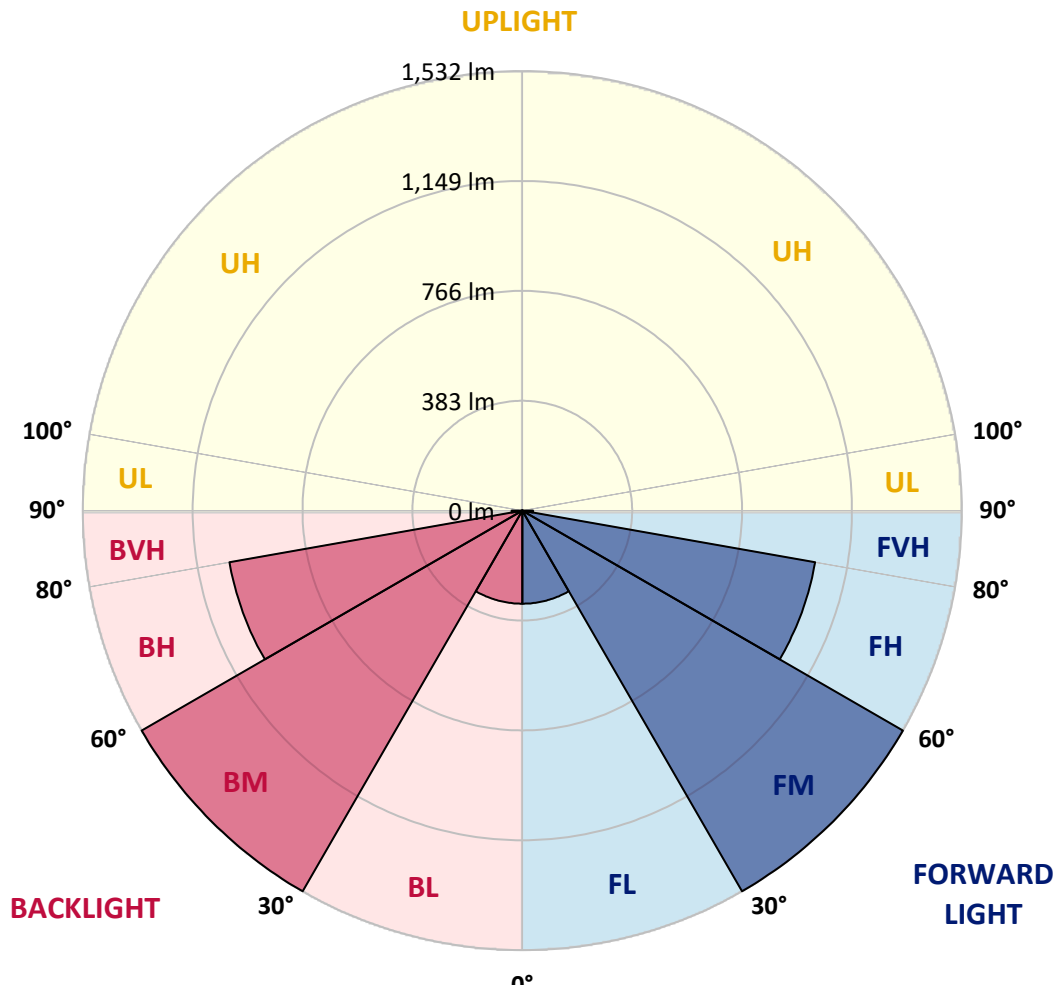
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.4	5.5			
FM (30°-60°)	1531.9	26.1			
FH (60°-80°)	1036.4	17.7			G1/1800
FVH (80°-90°)	37.2	0.6			G1/100
BL (0°-30°)	324.4	5.5	B1/500		
BM (30°-60°)	1531.9	26.1	B2/2500		
BH (60°-80°)	1036.4	17.7	B3/2500		G3/2500
BVH (80°-90°)	37.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	609.3	609.3	609.3	609.3	609.3	609.3	609.3	609.3	609.3	609.3	609.3
2.5°	605.0	605.2	606.2	607.3	608.4	610.9	611.5	612.5	612.9	613.8	613.8
5°	599.7	600.1	602.4	605.5	609.1	615.4	619.9	625.0	627.6	630.3	630.1
7.5°	599.1	600.1	603.4	608.5	614.4	624.8	634.3	644.4	651.4	657.7	657.2
10°	605.2	606.8	611.5	619.2	628.0	640.9	654.9	668.7	680.6	690.3	690.6
12.5°	614.4	616.3	623.9	635.4	648.7	665.5	682.0	697.5	714.0	728.4	729.5
15°	626.6	629.1	640.4	657.7	678.1	697.9	715.6	731.5	750.6	770.4	772.4
17.5°	644.7	648.2	662.9	686.3	713.3	735.1	753.5	765.5	781.4	801.9	805.6
20°	672.1	676.6	695.3	723.2	756.0	778.9	793.0	795.6	803.5	821.7	826.0
22.5°	707.9	711.9	732.7	765.9	802.6	827.4	834.8	824.6	823.8	838.6	842.7
25°	747.9	751.3	775.6	812.9	852.3	879.6	879.5	859.6	845.8	857.3	861.6
27.5°	792.7	798.1	821.3	860.6	902.9	929.7	928.2	897.5	871.4	874.4	878.1
30°	844.1	850.2	872.8	912.6	954.9	981.2	979.3	938.8	899.5	891.7	894.4
32.5°	907.9	915.3	936.7	975.9	1013.2	1037.0	1031.4	983.6	933.3	916.2	918.7
35°	984.8	989.1	1011.7	1050.4	1080.7	1096.9	1085.0	1035.5	976.1	955.5	955.5
37.5°	1062.5	1065.9	1091.3	1128.8	1158.1	1166.7	1143.3	1092.2	1032.1	1002.9	1003.5
40°	1137.2	1146.2	1174.8	1213.3	1242.2	1244.5	1213.5	1157.1	1094.4	1064.1	1067.7
42.5°	1215.3	1224.1	1258.1	1301.7	1327.3	1331.2	1294.9	1229.8	1164.8	1140.2	1144.1
45°	1284.8	1291.9	1331.2	1381.8	1413.7	1423.9	1380.9	1313.1	1240.8	1216.8	1217.8
47.5°	1333.4	1342.6	1385.8	1445.5	1491.9	1507.6	1465.4	1394.2	1315.6	1286.6	1289.1
50°	1377.3	1382.2	1426.1	1491.3	1550.3	1582.7	1546.5	1474.4	1391.3	1360.4	1363.2
52.5°	1402.0	1408.2	1450.6	1518.6	1588.3	1640.7	1618.7	1546.5	1464.4	1434.4	1437.6
55°	1384.9	1389.6	1440.5	1524.7	1611.9	1676.4	1679.7	1617.1	1536.1	1509.8	1519.2
57.5°	1307.0	1312.9	1375.0	1485.4	1614.9	1700.6	1725.8	1682.5	1603.1	1581.7	1587.2
60°	1185.4	1189.1	1255.3	1379.5	1557.5	1710.5	1755.0	1735.9	1668.7	1647.3	1654.7
62.5°	968.7	974.2	1053.3	1219.8	1436.3	1681.0	1783.3	1780.2	1729.8	1710.2	1716.8
65°	662.2	671.8	759.4	969.8	1249.4	1590.1	1809.0	1831.6	1783.9	1759.1	1767.9
67.5°	399.8	406.9	470.4	640.4	956.1	1407.0	1782.5	1890.2	1822.0	1782.1	1789.4
68°	357.4	363.9	416.9	577.8	884.3	1355.4	1758.4	1896.8	1826.1	1781.7	1788.2
70°	216.0	220.3	255.8	357.3	589.7	1075.1	1593.5	1891.4	1852.5	1787.2	1791.0
72.5°	140.7	142.0	148.0	183.3	301.2	601.2	1196.0	1762.5	1891.9	1819.2	1818.7
75°	117.0	116.1	116.7	120.8	148.5	263.7	698.9	1392.3	1803.5	1768.8	1756.4
77.5°	98.8	98.3	98.1	98.3	99.4	127.3	303.3	867.2	1380.1	1564.6	1575.6
80°	79.9	79.2	81.7	80.6	77.0	79.2	127.1	360.7	650.5	699.8	655.9
82.5°	58.1	55.2	66.2	63.0	60.1	55.8	70.2	116.5	155.2	106.5	74.9
85°	44.8	41.6	50.3	48.4	41.2	28.5	41.6	57.0	62.8	36.0	28.3
87.5°	18.3	19.3	36.4	28.7	24.1	13.7	17.1	22.8	30.6	15.3	11.7
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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