

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: P385930

Luminaire Tested: **GWC-SA1C-735-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385930  
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-SA1C-735-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7454.1 lumens  
Efficiency: N/A  
Efficacy: 126.3 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

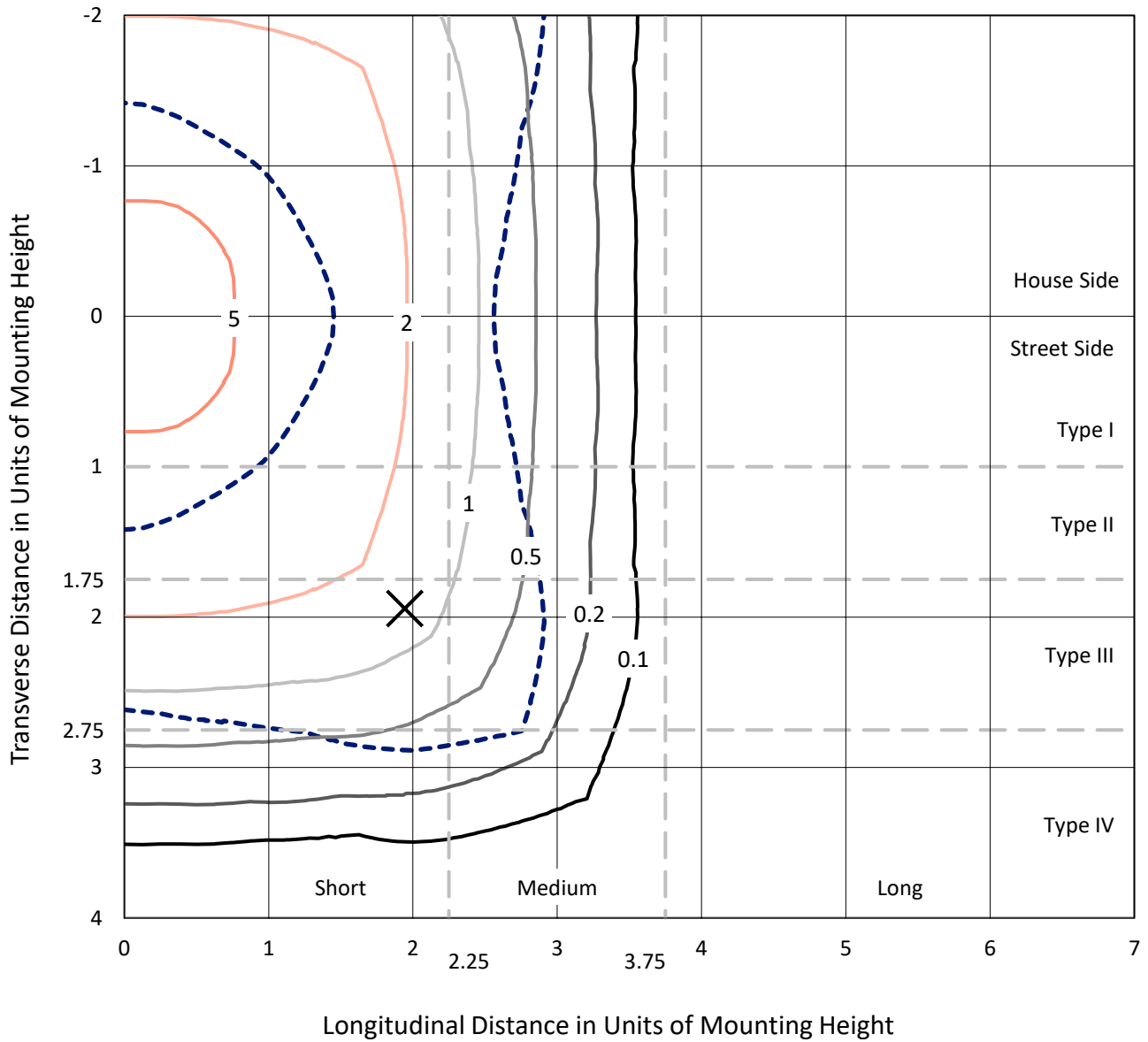
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

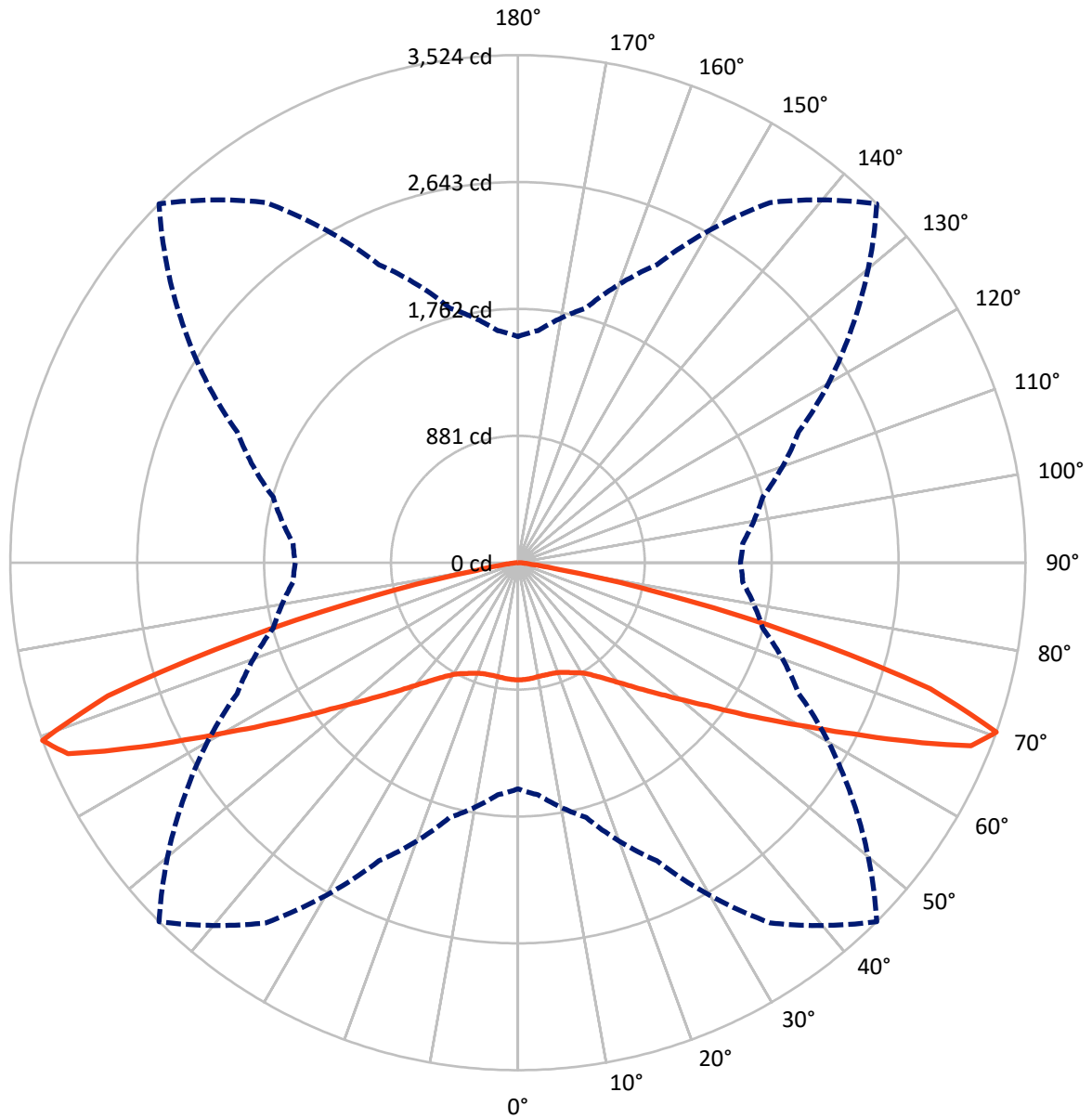
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.1 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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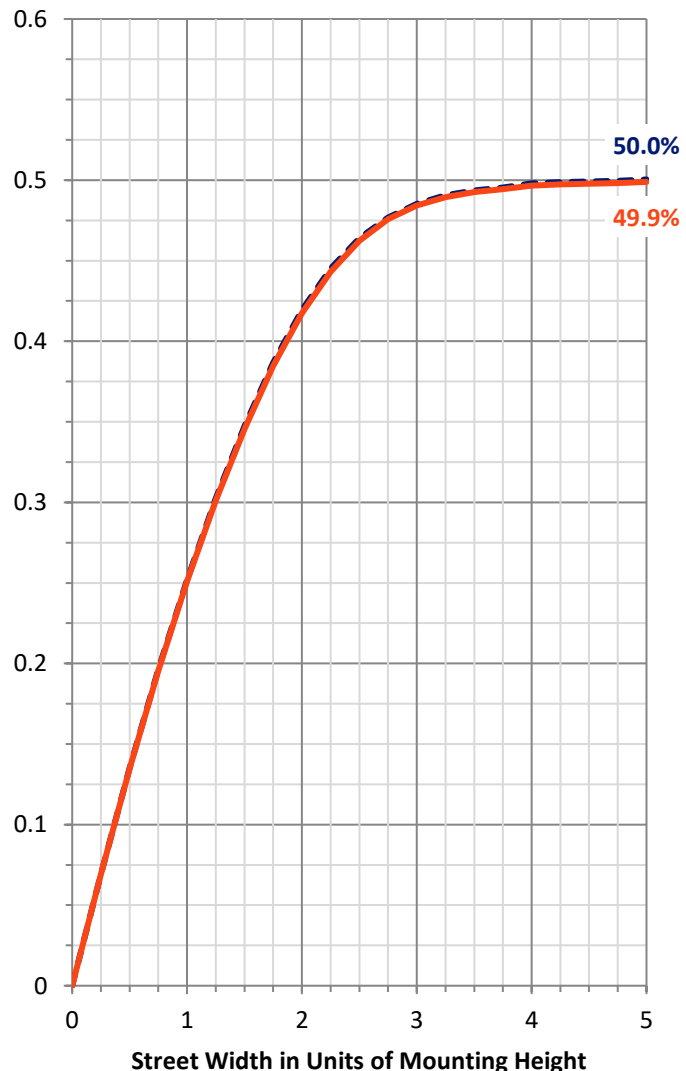
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3727.0	0.0	3727.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3727.0	0.0	3727.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7454.1	0.0	7454.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.1	1.0
10°-20°	226.4	3.0
20°-30°	385.3	5.2
30°-40°	611.1	8.2
40°-50°	994.5	13.3
50°-60°	1639.8	22.0
60°-70°	2407.2	32.3
70°-80°	1064.5	14.3
80°-90°	48.2	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°	7454.1	100.0
0°-180°	7454.1	100.0



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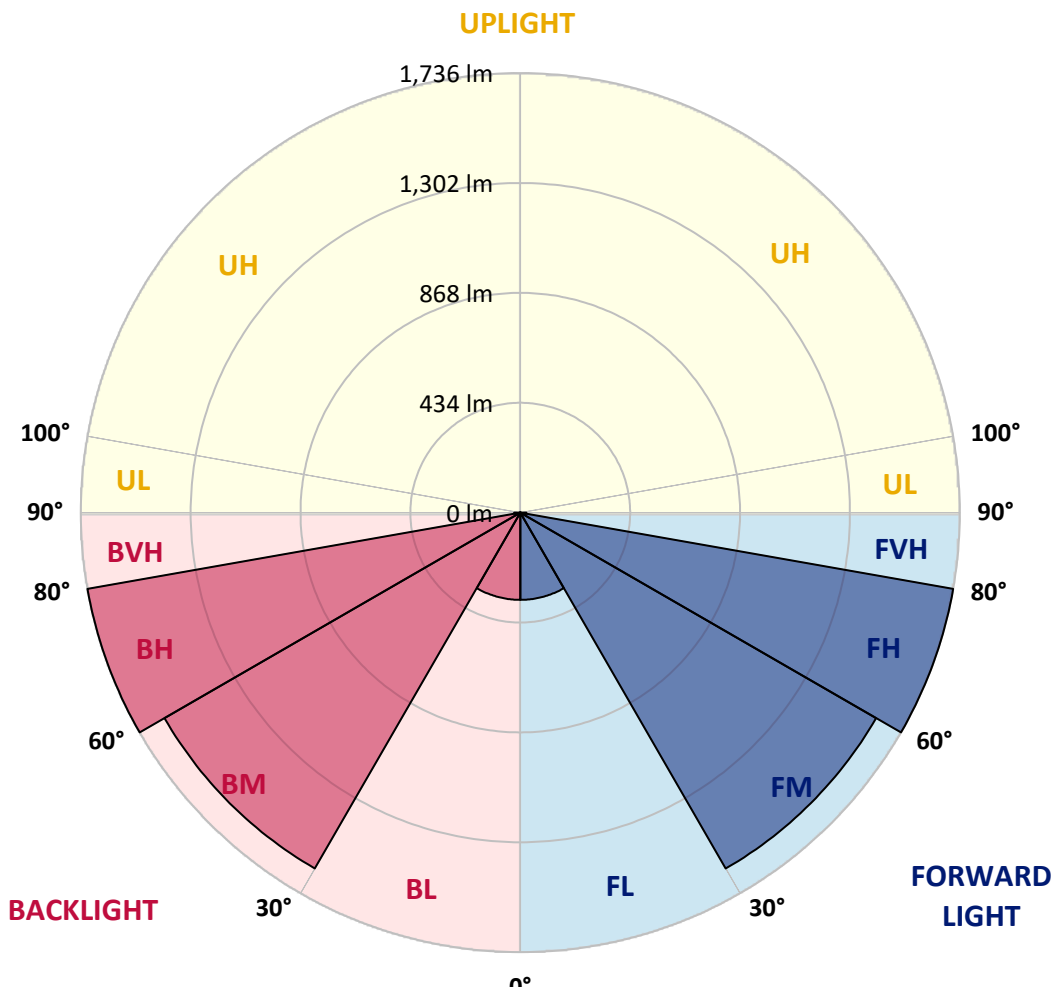
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.4	4.6			
FM (30°-60°)	1622.7	21.8			
FH (60°-80°)	1735.8	23.3			G1/1800
FVH (80°-90°)	24.1	0.3			G1/100
BL (0°-30°)	344.4	4.6	B1/500		
BM (30°-60°)	1622.7	21.8	B2/2500		
BH (60°-80°)	1735.8	23.3	B3/2500		G1/1800
BVH (80°-90°)	24.1	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°	814.1	814.1	814.1	814.1	814.1	814.1	814.1	814.1	814.1	814.1	814.1
2.5°	812.9	812.1	813.9	813.6	812.1	812.4	812.4	813.1	813.1	812.6	812.6
5°	809.9	809.4	811.4	811.4	809.9	810.4	810.9	811.6	811.4	810.9	810.6
7.5°	806.2	806.0	808.0	808.0	806.9	807.4	806.9	807.2	806.7	806.2	805.4
10°	800.1	800.6	802.2	802.7	802.7	803.0	802.5	801.3	800.6	799.8	799.0
12.5°	794.4	794.2	796.6	797.8	799.8	802.1	800.6	797.1	795.6	794.2	793.6
15°	790.7	790.9	793.4	795.6	799.0	803.7	802.1	796.6	793.6	791.9	791.4
17.5°	789.9	790.4	793.6	797.5	801.3	806.5	805.4	800.1	795.1	791.9	791.2
20°	791.6	791.9	796.8	802.5	808.9	813.9	811.6	805.7	799.0	794.2	792.8
22.5°	794.8	795.9	802.1	810.9	820.7	827.4	824.7	814.6	804.2	798.1	796.3
25°	805.0	805.2	813.6	825.7	837.6	845.2	842.0	827.7	814.4	807.4	805.2
27.5°	825.9	826.7	835.0	849.1	859.3	864.1	862.2	850.6	839.3	831.8	832.6
30°	856.3	857.3	866.7	882.2	888.4	889.6	889.1	883.7	873.4	863.4	864.1
32.5°	893.3	893.7	906.3	920.4	925.4	926.3	925.4	920.4	908.1	894.8	895.5
35°	940.9	942.4	954.5	968.0	972.0	974.0	972.3	965.8	953.0	940.0	939.4
37.5°	999.6	999.9	1012.5	1026.5	1031.5	1031.9	1030.0	1025.7	1009.8	997.9	997.2
40°	1067.7	1068.7	1083.5	1098.5	1100.5	1098.3	1101.0	1098.5	1082.0	1068.5	1070.6
42.5°	1150.6	1152.8	1170.6	1185.4	1179.7	1178.5	1180.2	1180.9	1167.7	1151.1	1149.6
45°	1247.0	1249.0	1271.2	1283.1	1279.4	1271.2	1274.7	1280.6	1262.1	1241.6	1243.6
47.5°	1357.0	1362.0	1385.7	1396.8	1387.7	1376.6	1383.3	1392.1	1370.4	1345.0	1343.8
50°	1479.5	1485.7	1517.2	1532.7	1523.6	1503.1	1514.2	1520.1	1488.8	1456.0	1453.3
52.5°	1609.9	1616.1	1655.9	1687.9	1682.0	1650.1	1665.7	1659.5	1623.6	1579.4	1575.9
55°	1757.7	1760.1	1803.1	1854.9	1860.8	1837.4	1836.4	1826.3	1773.0	1721.9	1719.5
57.5°	1909.7	1911.4	1966.9	2028.1	2056.0	2056.0	2028.3	2006.9	1936.1	1876.9	1870.7
60°	2073.7	2079.9	2141.3	2224.5	2289.6	2308.8	2260.0	2201.6	2124.5	2052.3	2045.2
62.5°	2219.8	2226.9	2321.0	2444.8	2549.4	2619.4	2500.0	2404.8	2264.7	2148.8	2135.1
65°	2238.3	2257.6	2394.4	2618.7	2852.8	2992.7	2763.8	2529.1	2273.8	2112.7	2098.9
67.5°	2044.1	2076.7	2261.7	2610.8	3094.6	3394.8	2932.2	2458.1	2110.0	1931.9	1916.6
70°	1570.8	1618.1	1831.4	2283.7	3052.8	3524.3	2826.6	2152.0	1759.2	1567.5	1546.1
72.5°	861.7	881.2	1073.2	1563.8	2447.5	2994.9	2357.7	1591.2	1166.6	949.3	913.3
75°	273.4	280.2	377.9	639.9	1384.5	1983.7	1497.7	781.0	430.0	317.0	313.3
77.5°	121.4	122.1	136.7	186.8	476.8	1005.1	572.8	212.7	146.5	128.0	132.3
80°	76.7	76.7	84.6	92.5	129.7	291.9	154.9	101.2	86.3	80.1	81.9
82.5°	36.7	40.7	55.0	59.2	71.3	98.2	79.5	66.1	57.8	42.9	39.9
85°	24.1	20.2	34.8	39.3	41.4	47.2	46.1	43.7	37.8	21.4	24.0
87.5°	10.9	10.3	18.0	16.5	15.5	11.8	17.8	22.0	21.2	10.6	10.6
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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