

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: P385904

Luminaire Tested: **GWC-SA1C-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385904  
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-SA1C-730-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7245 lumens  
Efficiency: N/A  
Efficacy: 122.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

Input Watts (W): 59  
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



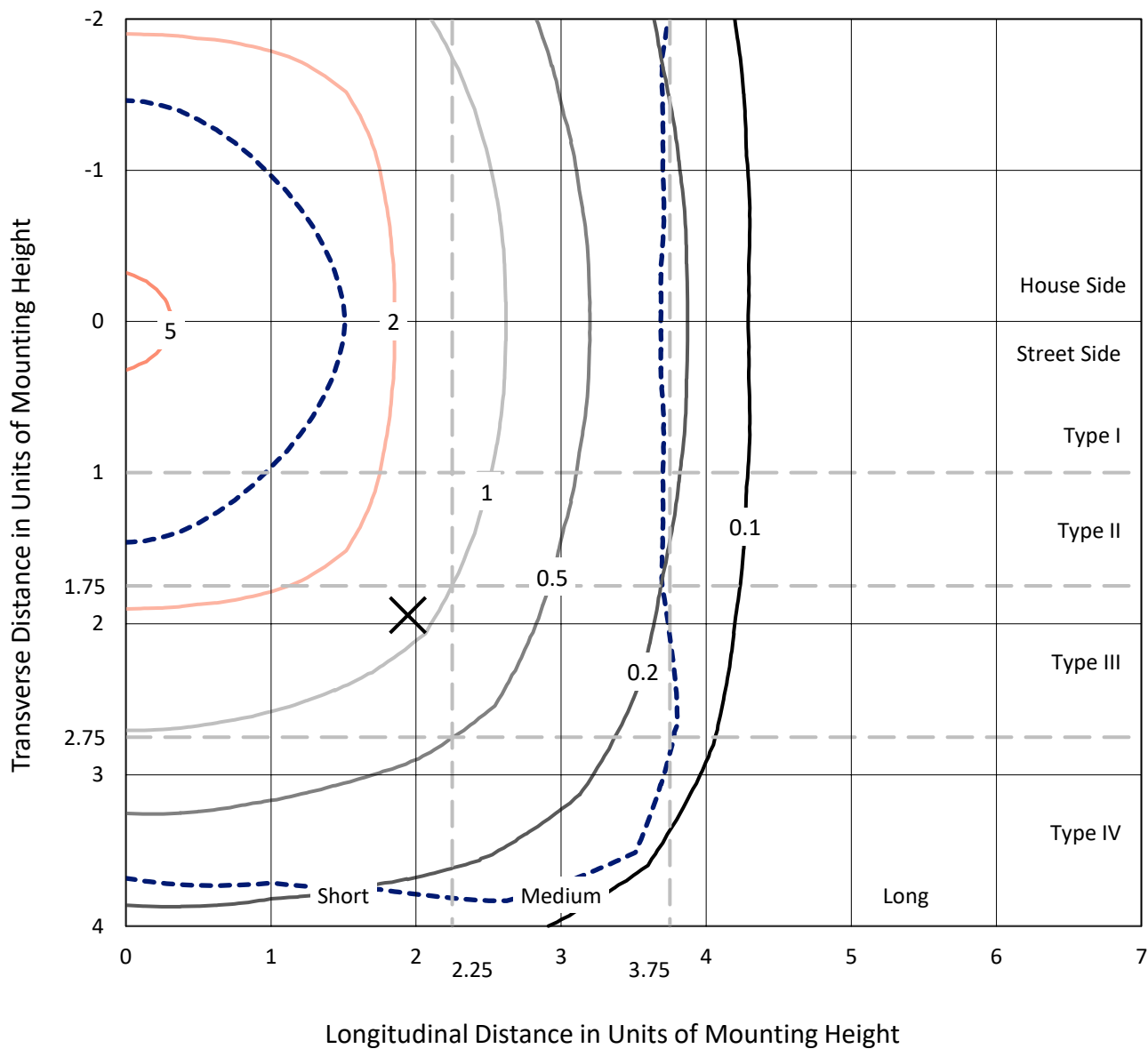
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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

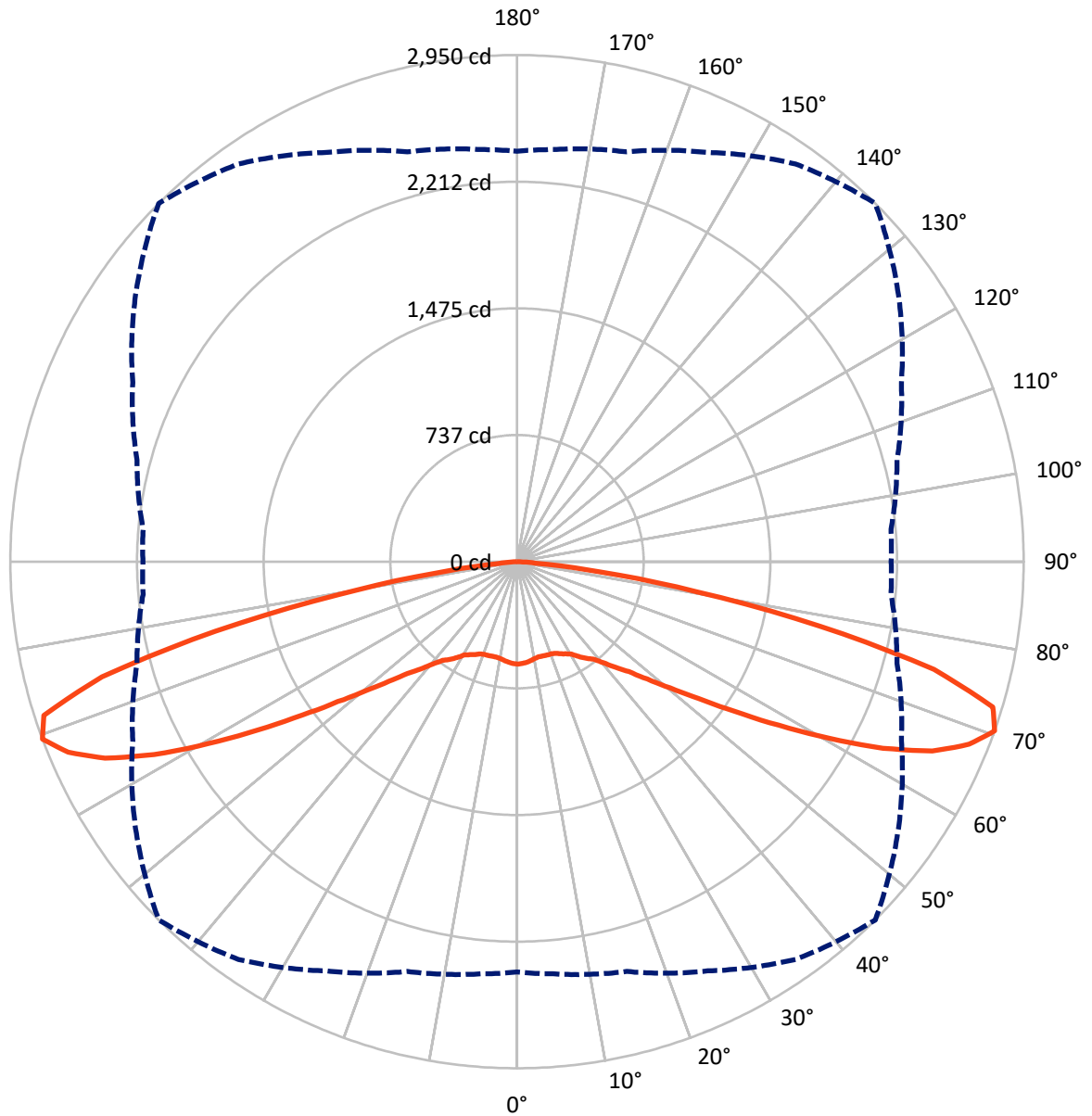


Based on 10 foot mounting height. Maximum calculated value = 6 fc

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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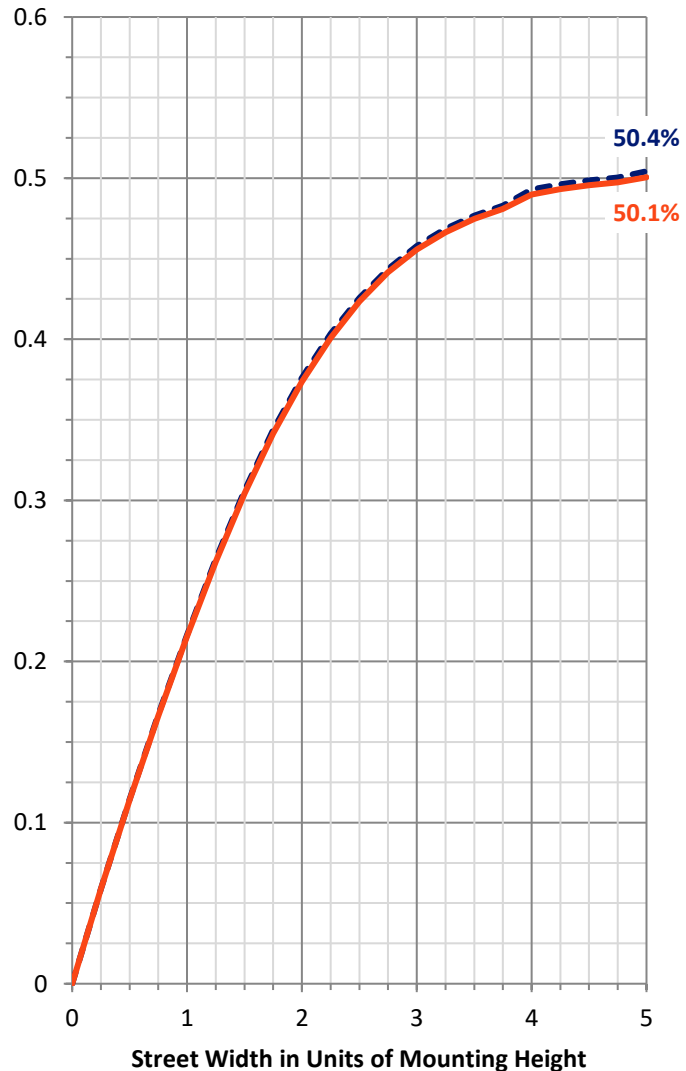
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3622.5	0.0	3622.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3622.5	0.0	3622.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7245.0	0.0	7245.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.7	0.8
10°-20°	162.6	2.2
20°-30°	277.2	3.8
30°-40°	433.1	6.0
40°-50°	733.9	10.1
50°-60°	1338.4	18.5
60°-70°	2304.2	31.8
70°-80°	1806.1	24.9
80°-90°	133.9	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°	7245.0	100.0
0°-180°	7245.0	100.0



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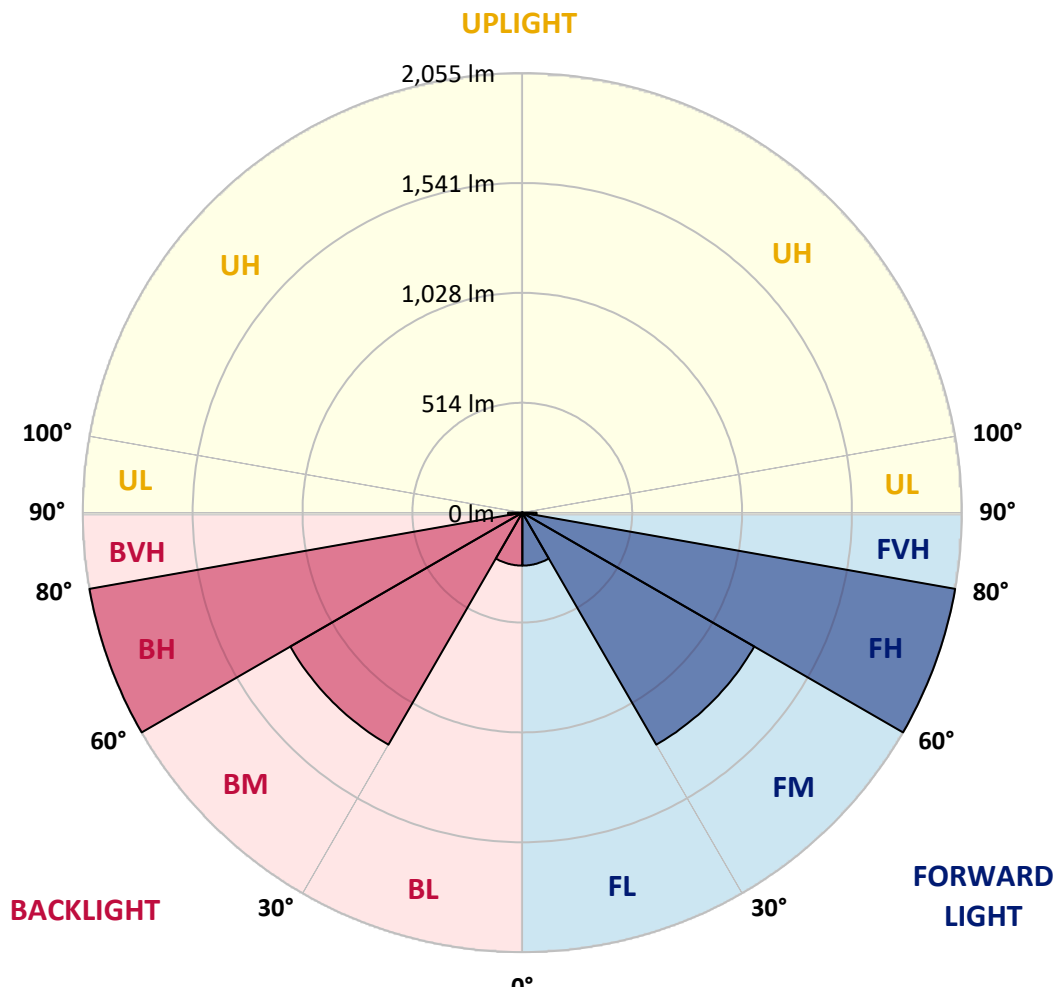
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.7	3.4			
FM (30°-60°)	1252.7	17.3			
FH (60°-80°)	2055.1	28.4			G2/5000
FVH (80°-90°)	67.0	0.9			G1/100
BL (0°-30°)	247.7	3.4	B1/500		
BM (30°-60°)	1252.7	17.3	B2/2500		
BH (60°-80°)	2055.1	28.4	B3/2500		G2/5000
BVH (80°-90°)	67.0	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3	596.3
2.5°	593.6	594.3	593.6	594.1	592.9	593.4	593.4	593.4	593.1	593.4	592.9
5°	588.4	588.8	587.9	588.4	587.6	588.4	588.6	588.4	587.9	588.1	587.2
7.5°	580.4	580.9	580.2	580.9	580.0	581.2	580.9	580.2	579.5	579.5	578.5
10°	576.1	576.4	574.5	573.7	571.6	572.1	572.8	573.5	574.2	575.7	575.4
12.5°	576.4	576.4	573.5	570.4	567.3	568.0	569.2	571.8	574.7	577.3	577.6
15°	578.8	578.5	574.2	569.2	567.0	569.2	569.9	571.6	576.1	580.7	580.9
17.5°	580.4	580.4	573.7	568.0	567.7	571.1	570.9	571.6	576.6	583.3	583.6
20°	583.6	583.6	574.9	568.7	568.7	572.3	572.5	573.7	578.8	586.2	587.4
22.5°	590.5	590.8	581.6	576.6	577.1	579.2	580.0	581.9	586.4	594.6	596.0
25°	600.3	600.8	591.5	588.6	590.3	594.3	593.9	595.3	600.3	608.2	609.7
27.5°	614.0	612.8	604.2	603.0	604.7	607.5	607.3	607.5	611.6	618.8	620.5
30°	631.7	631.3	625.0	625.7	625.0	624.1	624.3	626.2	628.4	634.1	635.8
32.5°	649.0	649.5	645.6	649.2	654.5	658.1	652.6	647.3	644.9	648.0	649.5
35°	680.1	681.3	675.4	673.0	680.1	690.7	675.1	666.5	671.3	675.4	676.5
37.5°	733.1	733.8	723.8	714.2	708.9	719.0	703.4	704.1	720.9	728.6	728.3
40°	793.5	793.7	787.0	778.6	769.5	771.9	765.7	767.6	778.6	785.6	787.5
42.5°	865.4	864.7	854.1	842.2	839.5	841.9	831.4	829.9	842.6	855.1	855.3
45°	958.6	956.9	943.3	930.1	917.4	912.1	909.5	916.4	933.9	945.4	945.7
47.5°	1059.0	1054.5	1047.3	1036.8	1025.7	1020.5	1016.1	1019.5	1032.2	1036.8	1037.2
50°	1162.3	1163.3	1164.7	1160.7	1156.6	1154.9	1143.6	1137.2	1141.0	1132.6	1131.4
52.5°	1284.8	1286.7	1300.6	1312.4	1319.3	1322.9	1301.6	1279.3	1266.8	1250.5	1245.7
55°	1429.3	1432.4	1452.8	1485.4	1518.9	1536.7	1498.1	1456.4	1417.8	1387.4	1377.5
57.5°	1590.4	1595.9	1623.9	1686.5	1755.2	1797.2	1732.0	1656.3	1581.7	1537.9	1530.2
60°	1779.2	1784.5	1823.3	1912.9	2024.4	2087.4	1988.7	1864.8	1772.0	1730.1	1715.9
62.5°	2004.0	2004.5	2052.2	2156.9	2304.1	2391.8	2258.0	2092.4	1996.8	1946.2	1932.6
65°	2245.8	2247.0	2296.4	2409.5	2561.7	2657.1	2506.1	2333.5	2216.6	2142.0	2131.5
67.5°	2416.7	2421.7	2473.7	2609.9	2752.2	2838.2	2682.0	2486.9	2351.7	2262.8	2254.0
70°	2389.4	2409.0	2470.1	2629.0	2827.0	2949.7	2710.5	2468.7	2290.4	2185.4	2178.0
72.5°	2083.8	2121.4	2202.9	2411.4	2728.0	2897.0	2555.0	2211.1	2009.3	1919.9	1906.5
75°	1419.0	1480.1	1603.1	1903.8	2330.7	2508.2	2150.9	1762.9	1573.1	1449.4	1440.3
77.5°	632.7	646.6	802.4	1148.7	1608.3	1801.3	1562.8	1153.2	865.6	690.4	653.5
80°	176.4	178.5	238.2	427.8	805.0	1058.3	864.2	449.4	252.6	178.1	167.8
82.5°	56.1	60.9	74.3	111.0	270.6	482.9	277.8	119.8	85.3	68.1	61.4
85°	27.3	27.1	37.6	45.1	69.0	106.9	73.6	55.6	48.7	32.4	29.2
87.5°	11.5	11.7	17.5	15.8	20.1	17.3	23.7	24.9	26.1	14.4	12.5
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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