

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: P385708

Luminaire Tested: **GWC-SA1B-740-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385708  
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-SA1B-740-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6428 lumens  
Efficiency: N/A  
Efficacy: 146.1 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

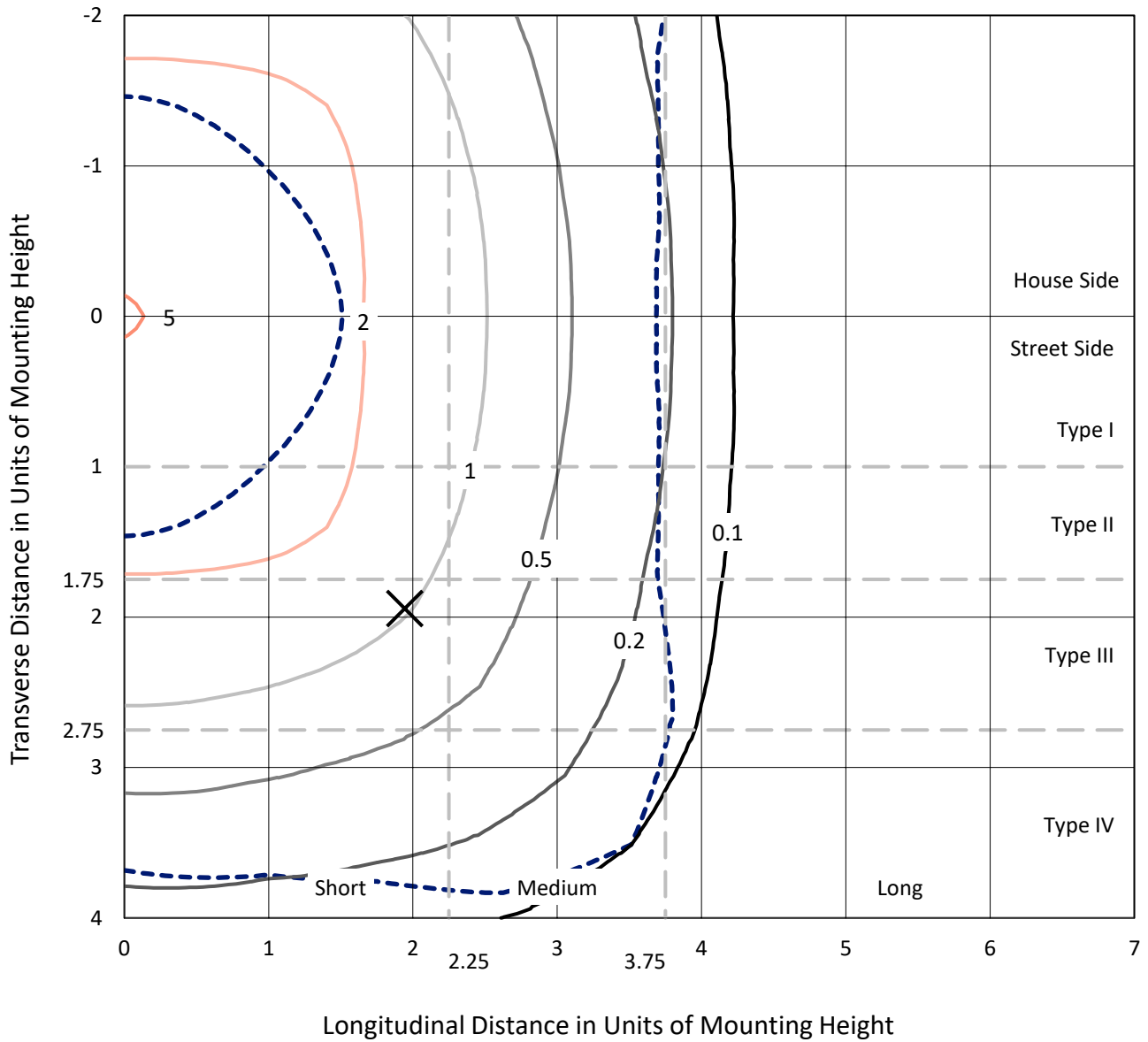
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

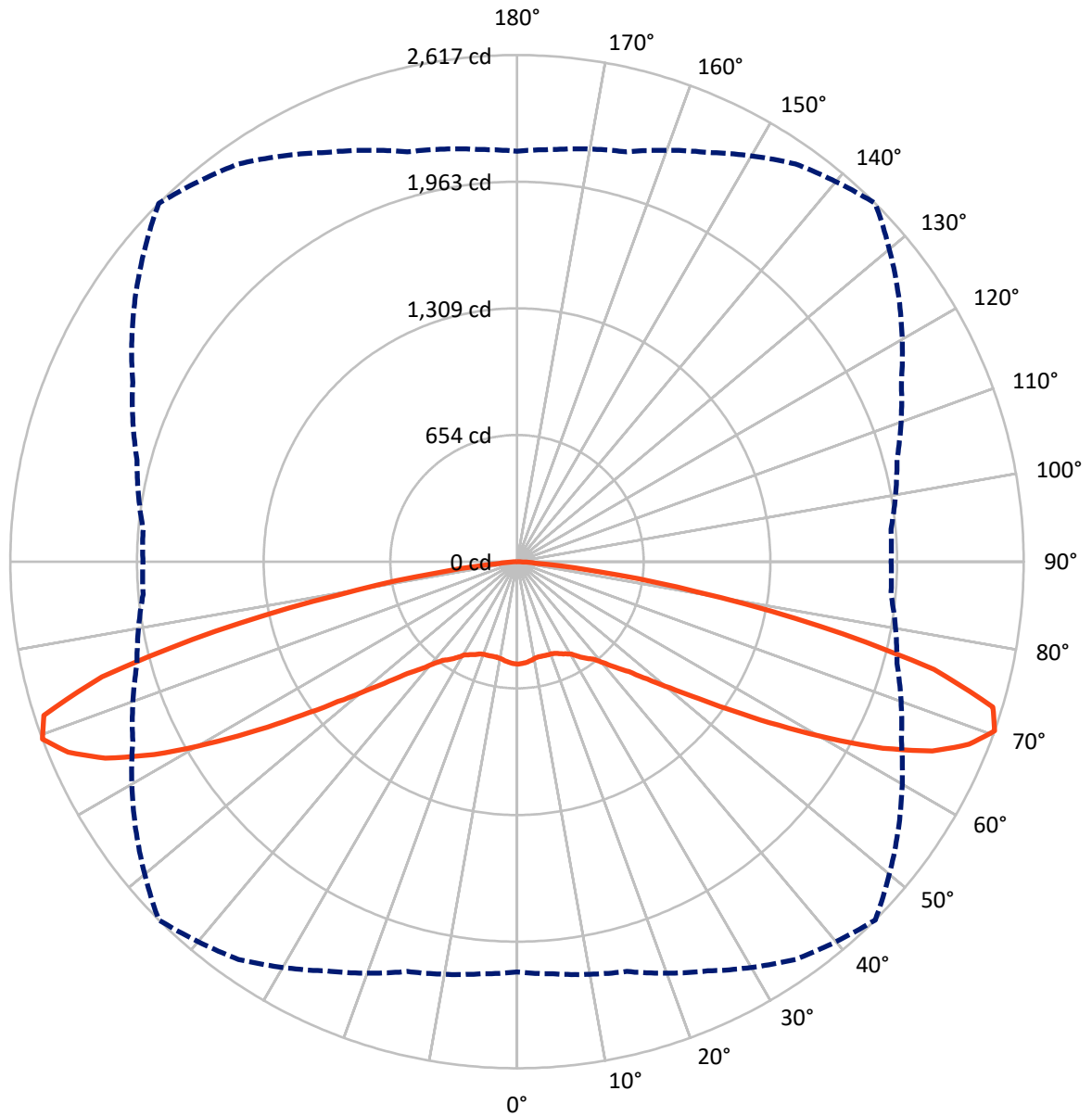
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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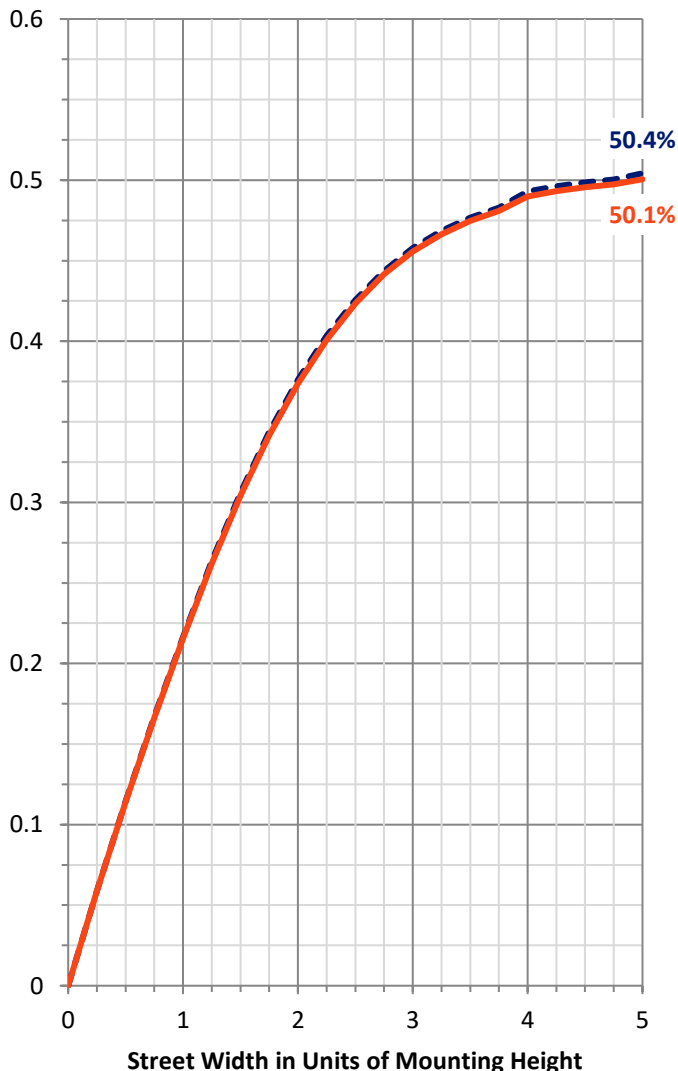
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3214.0	0.0	3214.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3214.0	0.0	3214.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6428.0	0.0	6428.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.4	0.8
10°-20°	144.2	2.2
20°-30°	245.9	3.8
30°-40°	384.2	6.0
40°-50°	651.2	10.1
50°-60°	1187.5	18.5
60°-70°	2044.3	31.8
70°-80°	1602.4	24.9
80°-90°	118.8	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°	6428.0	100.0
0°-180°	6428.0	100.0



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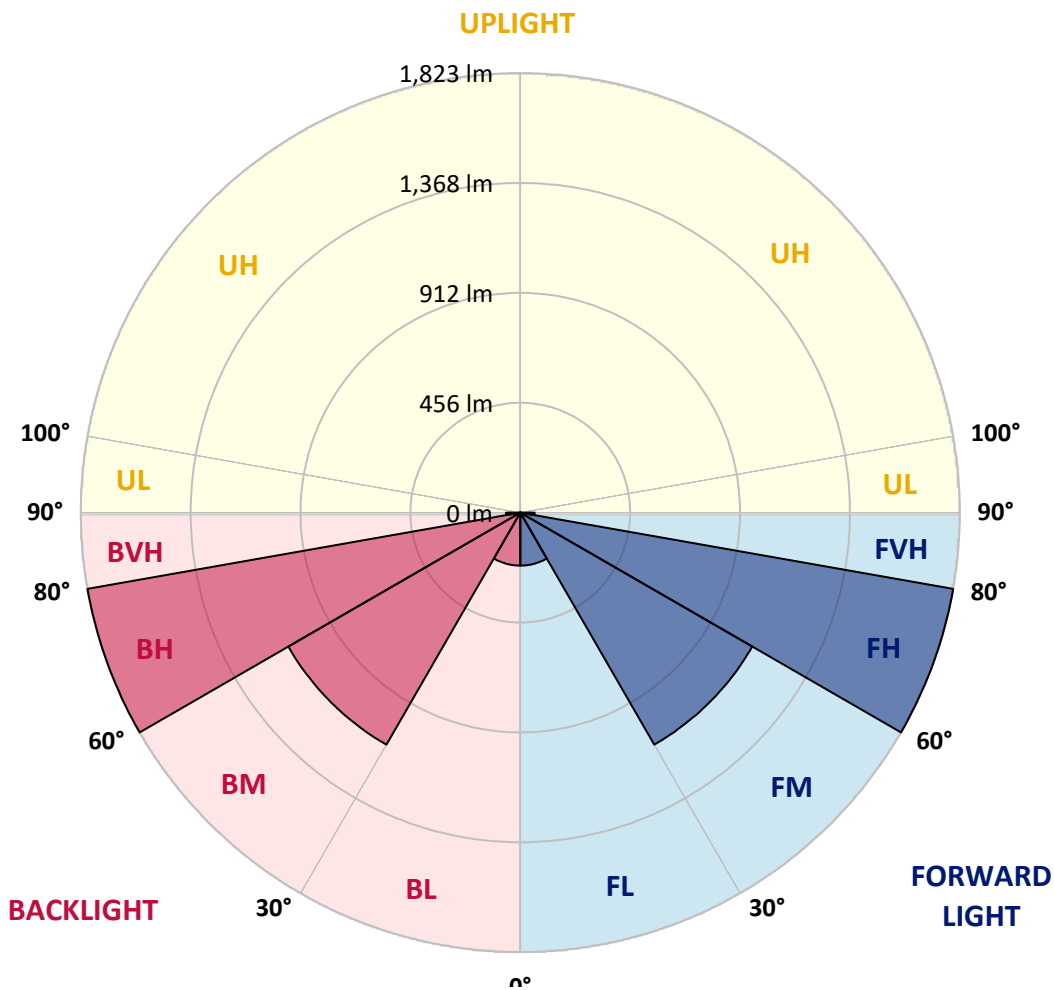
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.8	3.4			
FM (30°-60°)	1111.5	17.3			
FH (60°-80°)	1823.4	28.4			G2/5000
FVH (80°-90°)	59.4	0.9			G1/100
BL (0°-30°)	219.8	3.4	B1/500		
BM (30°-60°)	1111.5	17.3	B2/2500		
BH (60°-80°)	1823.4	28.4	B3/2500		G2/5000
BVH (80°-90°)	59.4	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0	529.0
2.5°	526.7	527.3	526.7	527.1	526.0	526.5	526.5	526.5	526.3	526.5	526.0
5°	522.0	522.4	521.6	522.0	521.4	522.0	522.2	522.0	521.6	521.8	520.9
7.5°	515.0	515.4	514.8	515.4	514.6	515.6	515.4	514.8	514.1	514.1	513.3
10°	511.2	511.4	509.7	509.0	507.1	507.5	508.2	508.8	509.5	510.7	510.5
12.5°	511.4	511.4	508.8	506.1	503.3	503.9	505.0	507.3	509.9	512.2	512.4
15°	513.5	513.3	509.5	505.0	503.1	505.0	505.6	507.1	511.2	515.2	515.4
17.5°	515.0	515.0	509.0	503.9	503.7	506.7	506.5	507.1	511.6	517.5	517.8
20°	517.8	517.8	510.1	504.6	504.6	507.8	508.0	509.0	513.5	520.1	521.2
22.5°	523.9	524.1	516.1	511.6	512.0	513.9	514.6	516.3	520.3	527.5	528.8
25°	532.6	533.1	524.8	522.2	523.7	527.3	526.9	528.2	532.6	539.7	540.9
27.5°	544.8	543.7	536.0	535.0	536.5	539.0	538.8	539.0	542.6	549.0	550.5
30°	560.5	560.1	554.5	555.2	554.5	553.7	553.9	555.6	557.5	562.6	564.1
32.5°	575.8	576.2	572.8	576.0	580.7	583.9	579.0	574.3	572.2	575.0	576.2
35°	603.4	604.5	599.2	597.1	603.4	612.8	599.0	591.3	595.6	599.2	600.3
37.5°	650.4	651.1	642.1	633.6	629.0	637.9	624.1	624.7	639.6	646.4	646.2
40°	704.0	704.2	698.3	690.8	682.8	684.9	679.4	681.1	690.8	697.0	698.7
42.5°	767.8	767.2	757.8	747.2	744.8	747.0	737.6	736.3	747.6	758.7	758.9
45°	850.5	849.0	836.9	825.2	814.0	809.3	806.9	813.1	828.6	838.8	839.0
47.5°	939.6	935.6	929.2	919.8	910.1	905.4	901.6	904.5	915.8	919.8	920.3
50°	1031.3	1032.1	1033.4	1029.8	1026.2	1024.7	1014.7	1008.9	1012.3	1004.9	1003.8
52.5°	1139.9	1141.6	1153.9	1164.4	1170.5	1173.7	1154.8	1135.0	1124.0	1109.5	1105.3
55°	1268.1	1270.9	1289.0	1317.9	1347.7	1363.4	1329.2	1292.2	1257.9	1230.9	1222.2
57.5°	1411.0	1415.9	1440.8	1496.3	1557.3	1594.5	1536.7	1469.5	1403.4	1364.5	1357.6
60°	1578.6	1583.2	1617.7	1697.2	1796.1	1852.0	1764.4	1654.5	1572.2	1535.0	1522.4
62.5°	1778.0	1778.4	1820.8	1913.7	2044.2	2122.1	2003.4	1856.5	1771.6	1726.8	1714.7
65°	1992.6	1993.6	2037.4	2137.8	2272.8	2357.4	2223.5	2070.4	1966.6	1900.5	1891.1
67.5°	2144.2	2148.6	2194.8	2315.5	2441.9	2518.2	2379.6	2206.5	2086.5	2007.7	1999.8
70°	2119.9	2137.4	2191.6	2332.6	2508.2	2617.1	2404.9	2190.3	2032.1	1939.0	1932.4
72.5°	1848.8	1882.2	1954.5	2139.5	2420.4	2570.3	2266.9	1961.7	1782.7	1703.4	1691.5
75°	1259.0	1313.2	1422.3	1689.1	2067.8	2225.4	1908.4	1564.1	1395.7	1286.0	1277.9
77.5°	561.3	573.7	711.9	1019.1	1427.0	1598.1	1386.6	1023.2	768.0	612.6	579.8
80°	156.5	158.4	211.4	379.5	714.2	939.0	766.7	398.7	224.1	158.0	148.8
82.5°	49.8	54.0	65.9	98.4	240.1	428.5	246.4	106.3	75.7	60.4	54.4
85°	24.2	24.0	33.4	40.0	61.2	94.8	65.3	49.3	43.2	28.7	25.9
87.5°	10.2	10.4	15.5	14.0	17.9	15.3	21.1	22.1	23.2	12.8	11.1
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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