

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: P386464

Luminaire Tested: **GWC-SA2A-827-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386464  
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-SA2A-827-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7531 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

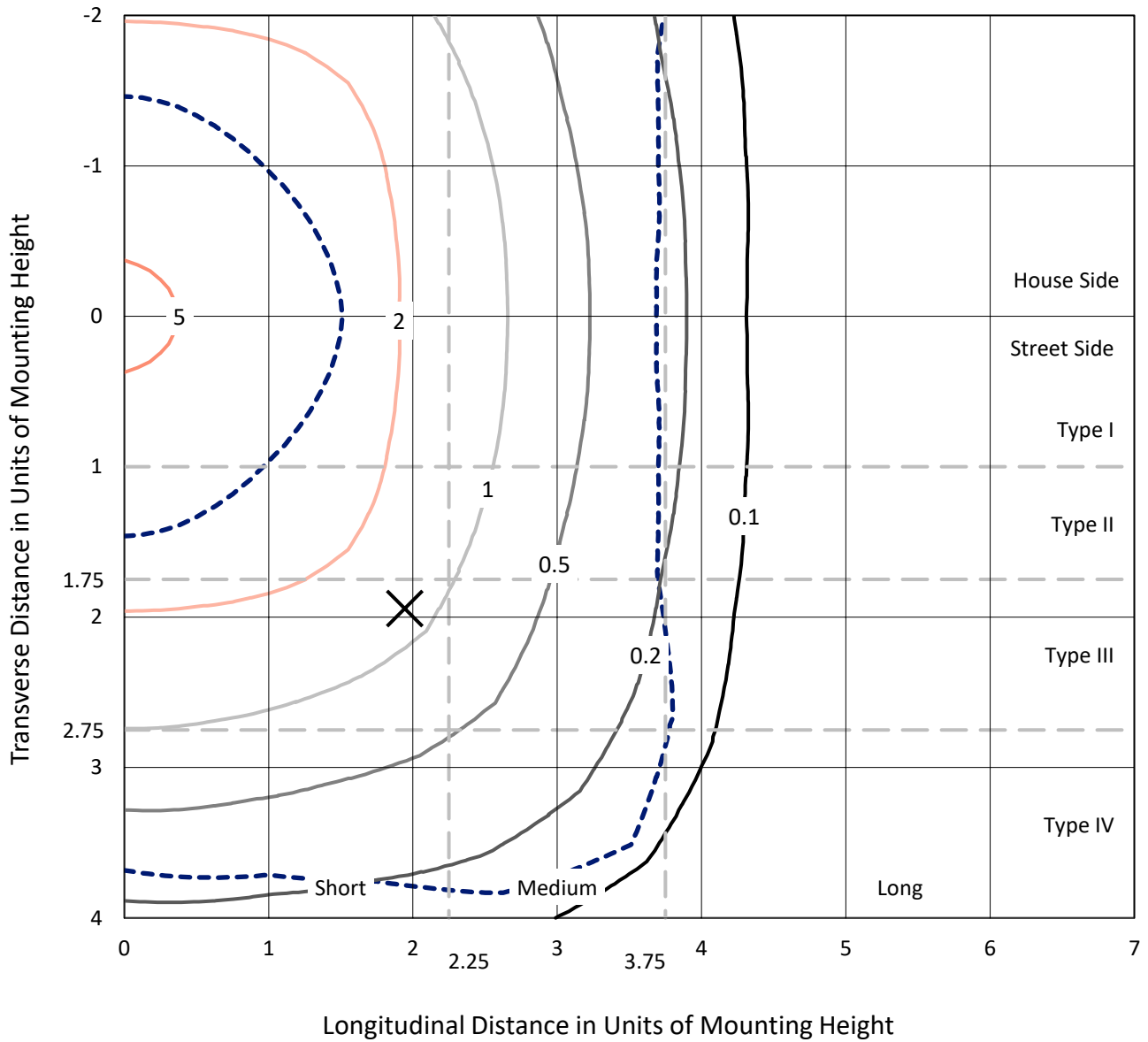
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

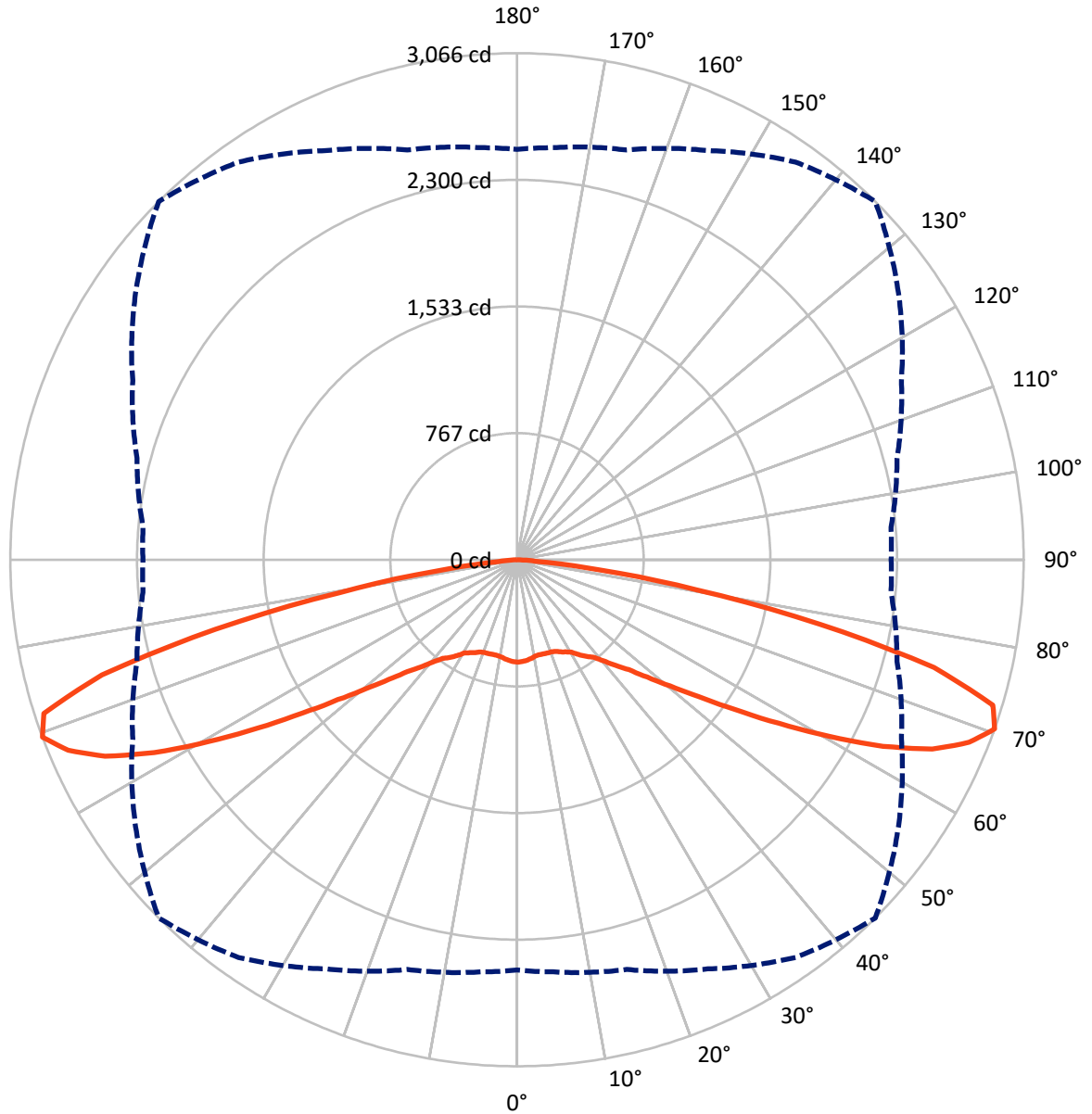
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 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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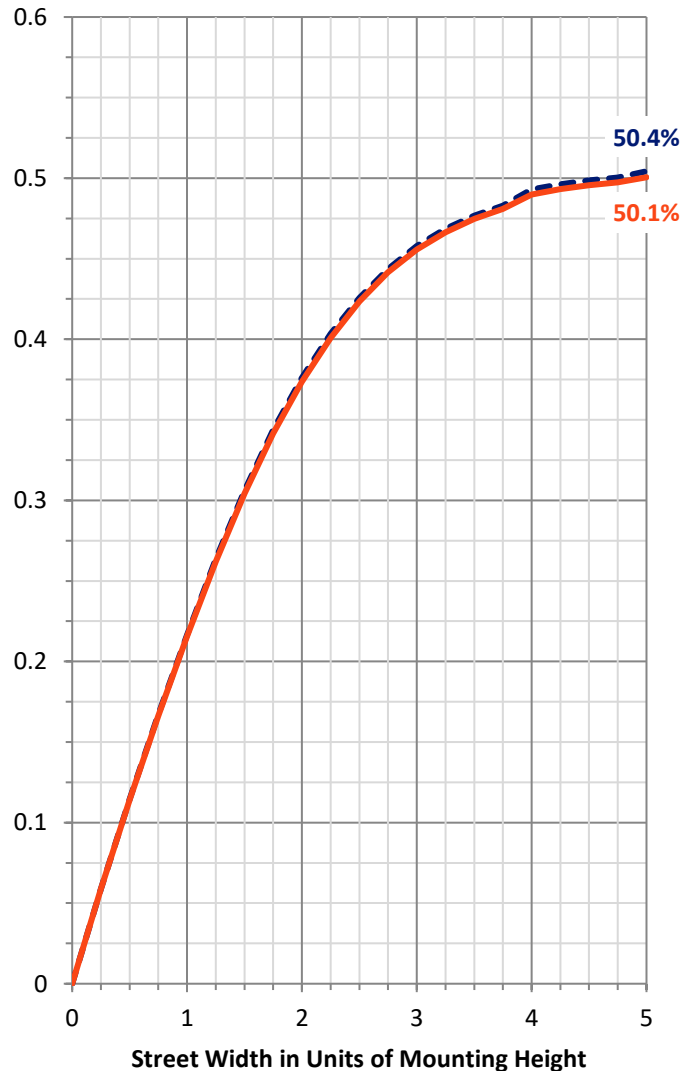
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3765.5	0.0	3765.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3765.5	0.0	3765.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7531.0	0.0	7531.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.8	0.8
10°-20°	169.0	2.2
20°-30°	288.1	3.8
30°-40°	450.2	6.0
40°-50°	762.9	10.1
50°-60°	1391.2	18.5
60°-70°	2395.1	31.8
70°-80°	1877.4	24.9
80°-90°	139.2	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°	7531.0	100.0
0°-180°	7531.0	100.0



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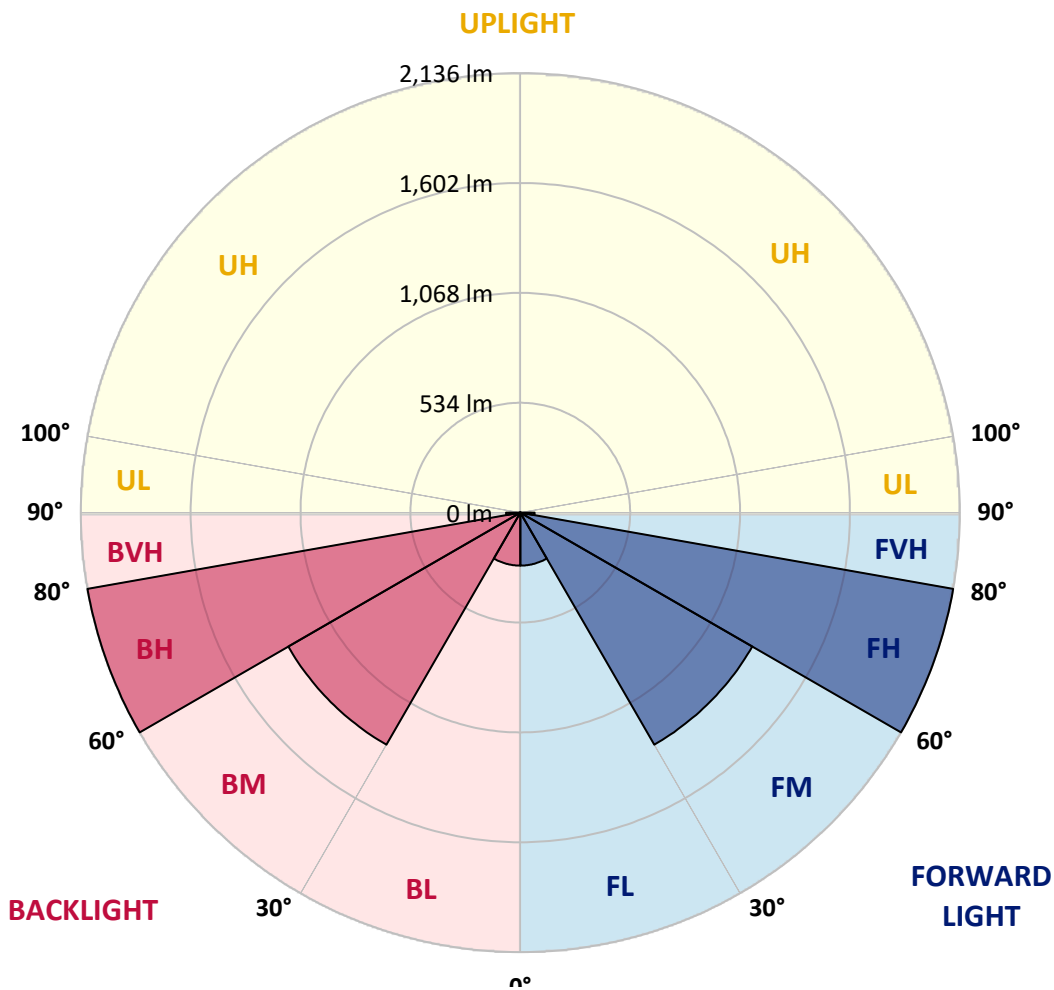
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.5	3.4			
FM (30°-60°)	1302.2	17.3			
FH (60°-80°)	2136.3	28.4			G2/5000
FVH (80°-90°)	69.6	0.9			G1/100
BL (0°-30°)	257.5	3.4	B1/500		
BM (30°-60°)	1302.2	17.3	B2/2500		
BH (60°-80°)	2136.3	28.4	B3/2500		G2/5000
BVH (80°-90°)	69.6	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°	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8	619.8
2.5°	617.1	617.8	617.1	617.6	616.3	616.8	616.8	616.8	616.6	616.8	616.3
5°	611.6	612.1	611.1	611.6	610.8	611.6	611.8	611.6	611.1	611.3	610.3
7.5°	603.4	603.9	603.1	603.9	602.9	604.1	603.9	603.1	602.4	602.4	601.4
10°	598.9	599.1	597.1	596.4	594.1	594.6	595.4	596.1	596.9	598.4	598.1
12.5°	599.1	599.1	596.1	592.9	589.7	590.4	591.7	594.4	597.4	600.1	600.4
15°	601.6	601.4	596.9	591.7	589.4	591.7	592.4	594.1	598.9	603.6	603.9
17.5°	603.4	603.4	596.4	590.4	590.2	593.6	593.4	594.1	599.4	606.4	606.6
20°	606.6	606.6	597.6	591.2	591.2	594.9	595.1	596.4	601.6	609.3	610.6
22.5°	613.8	614.1	604.6	599.4	599.9	602.1	602.9	604.9	609.6	618.1	619.6
25°	624.0	624.5	614.8	611.8	613.6	617.8	617.3	618.8	624.0	632.3	633.8
27.5°	638.2	637.0	628.0	626.8	628.5	631.5	631.3	631.5	635.7	643.2	645.0
30°	656.7	656.2	649.7	650.4	649.7	648.7	648.9	650.9	653.2	659.2	660.9
32.5°	674.6	675.1	671.1	674.9	680.3	684.1	678.3	672.9	670.4	673.6	675.1
35°	707.0	708.2	702.0	699.5	707.0	718.0	701.8	692.8	697.8	702.0	703.3
37.5°	762.0	762.8	752.3	742.4	736.9	747.4	731.2	731.9	749.3	757.3	757.1
40°	824.8	825.1	818.1	809.4	799.9	802.4	795.9	797.9	809.4	816.6	818.6
42.5°	899.6	898.8	887.9	875.4	872.7	875.1	864.2	862.7	875.9	888.8	889.1
45°	996.5	994.7	980.5	966.8	953.6	948.1	945.4	952.6	970.8	982.8	983.0
47.5°	1100.8	1096.1	1088.6	1077.7	1066.2	1060.7	1056.3	1059.7	1072.9	1077.7	1078.2
50°	1208.2	1209.2	1210.7	1206.5	1202.2	1200.5	1188.8	1182.1	1186.0	1177.3	1176.1
52.5°	1335.5	1337.5	1352.0	1364.2	1371.4	1375.1	1353.0	1329.8	1316.8	1299.9	1294.9
55°	1485.7	1489.0	1510.1	1544.0	1578.9	1597.3	1557.2	1513.9	1473.8	1442.1	1431.9
57.5°	1653.1	1658.9	1688.0	1753.0	1824.5	1868.1	1800.4	1721.6	1644.2	1598.6	1590.6
60°	1849.4	1854.9	1895.3	1988.4	2104.3	2169.8	2067.2	1938.4	1842.0	1798.4	1783.7
62.5°	2083.1	2083.6	2133.2	2242.1	2395.0	2486.2	2347.2	2175.0	2075.6	2023.1	2008.9
65°	2334.5	2335.7	2387.0	2504.6	2662.8	2762.0	2605.0	2425.6	2304.1	2226.6	2215.6
67.5°	2512.1	2517.3	2571.4	2712.9	2860.9	2950.3	2787.9	2585.1	2444.6	2352.2	2342.9
70°	2483.7	2504.1	2567.6	2732.8	2938.6	3066.1	2817.5	2566.2	2380.8	2271.7	2264.0
72.5°	2166.1	2205.2	2289.9	2506.6	2835.7	3011.3	2655.8	2298.4	2088.6	1995.7	1981.7
75°	1475.0	1538.5	1666.3	1979.0	2422.7	2607.3	2235.8	1832.5	1635.2	1506.7	1497.2
77.5°	657.7	672.1	834.0	1194.0	1671.8	1872.4	1624.5	1198.7	899.8	717.7	679.3
80°	183.3	185.6	247.6	444.7	836.8	1100.1	898.3	467.1	262.6	185.1	174.4
82.5°	58.3	63.3	77.2	115.3	281.3	502.0	288.7	124.6	88.7	70.7	63.8
85°	28.4	28.2	39.1	46.8	71.7	111.1	76.5	57.8	50.6	33.6	30.4
87.5°	12.0	12.2	18.2	16.4	20.9	17.9	24.7	25.9	27.2	14.9	13.0
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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