

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: P386716

Luminaire Tested: **GWC-SA2B-830-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386716  
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-SA2B-830-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(2) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9983 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

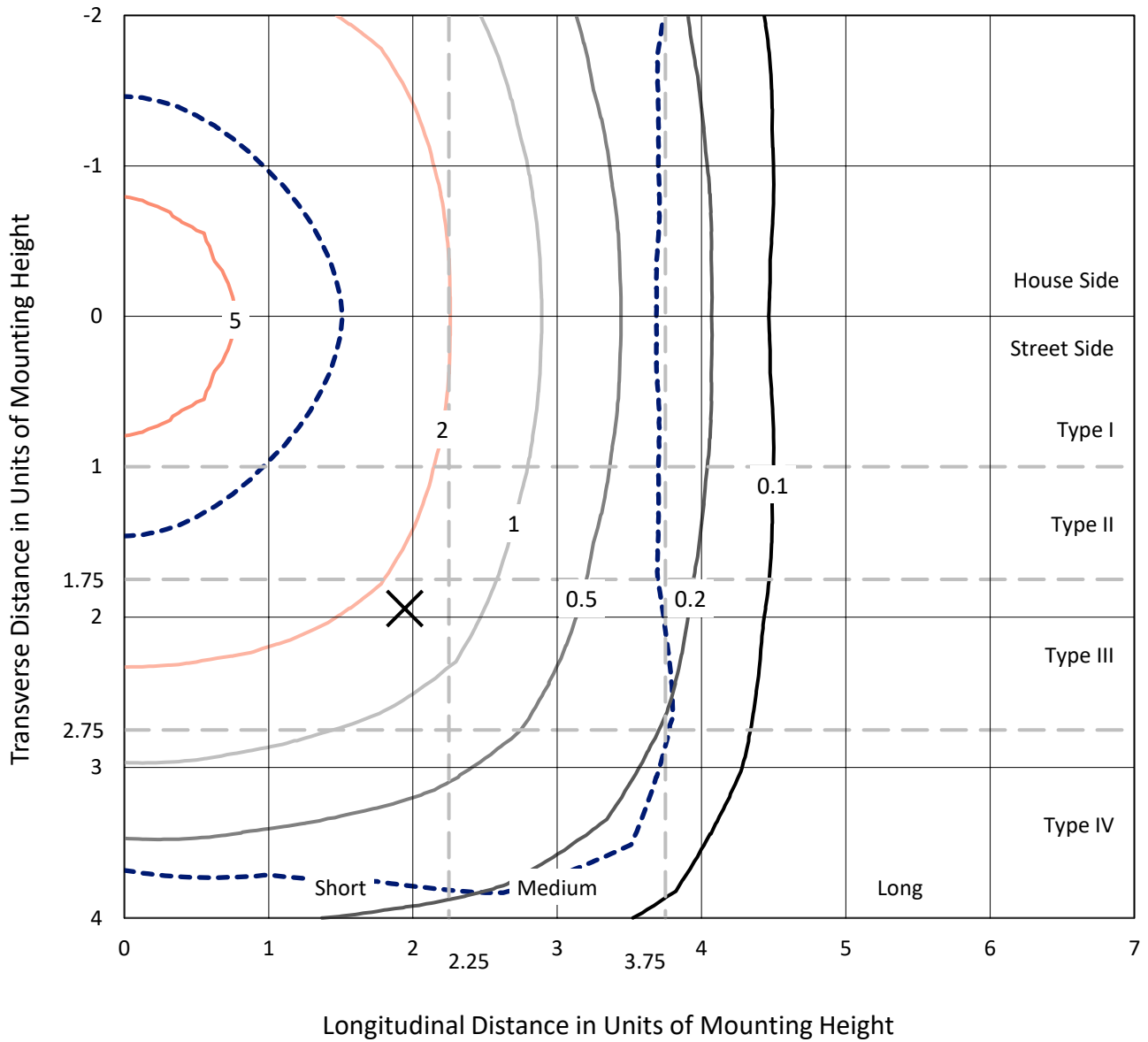
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

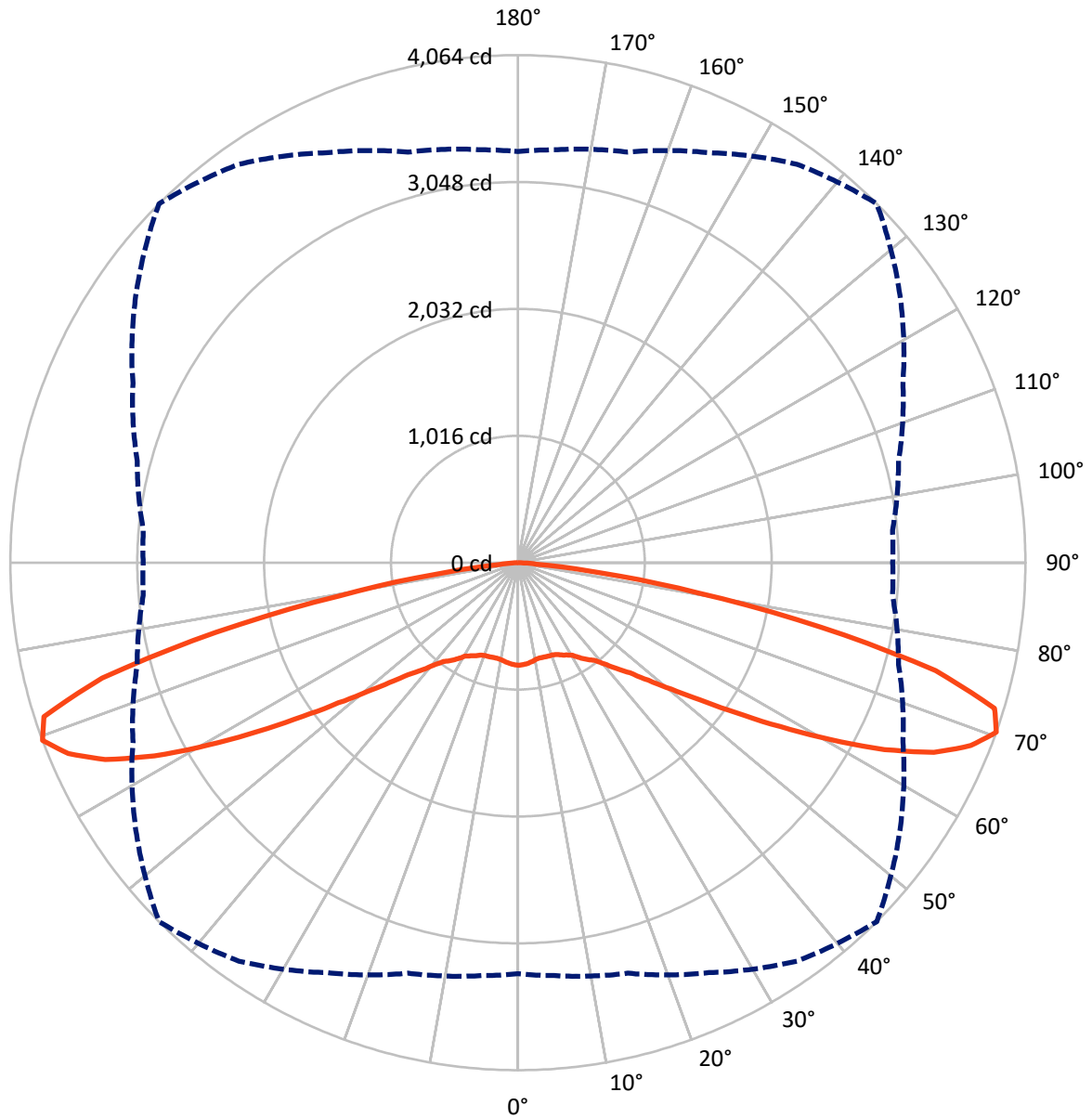
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 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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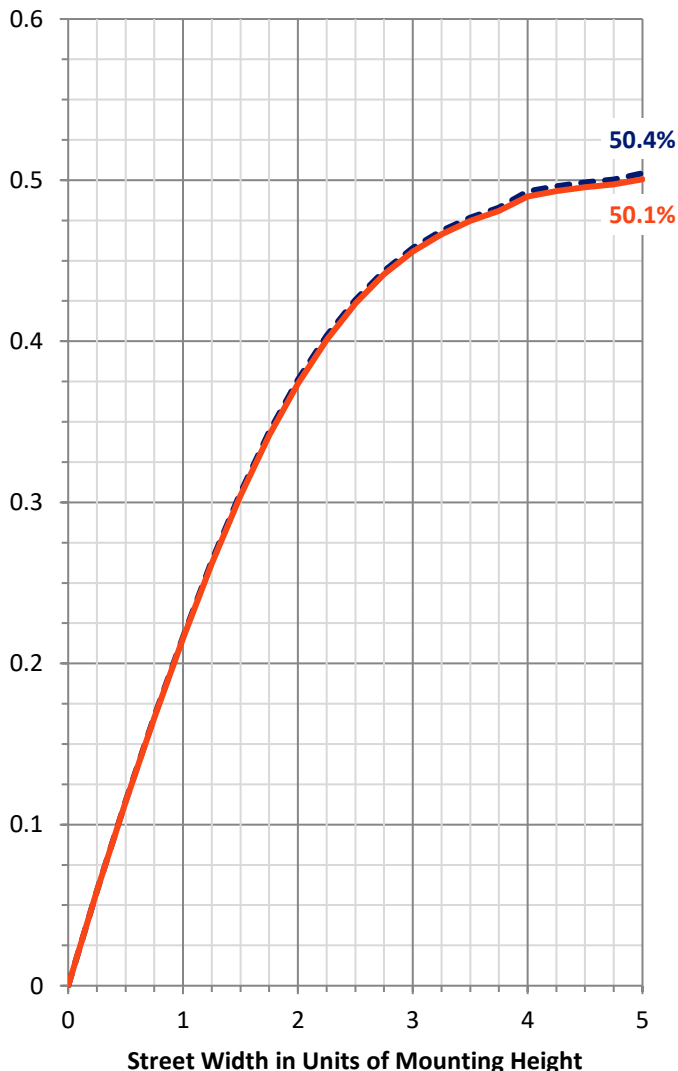
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4991.5	0.0	4991.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4991.5	0.0	4991.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9983.0	0.0	9983.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.7	0.8
10°-20°	224.0	2.2
20°-30°	381.9	3.8
30°-40°	596.7	6.0
40°-50°	1011.3	10.1
50°-60°	1844.2	18.5
60°-70°	3175.0	31.8
70°-80°	2488.6	24.9
80°-90°	184.5	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°	9983.0	100.0
0°-180°	9983.0	100.0

**Coefficient of Utilization**



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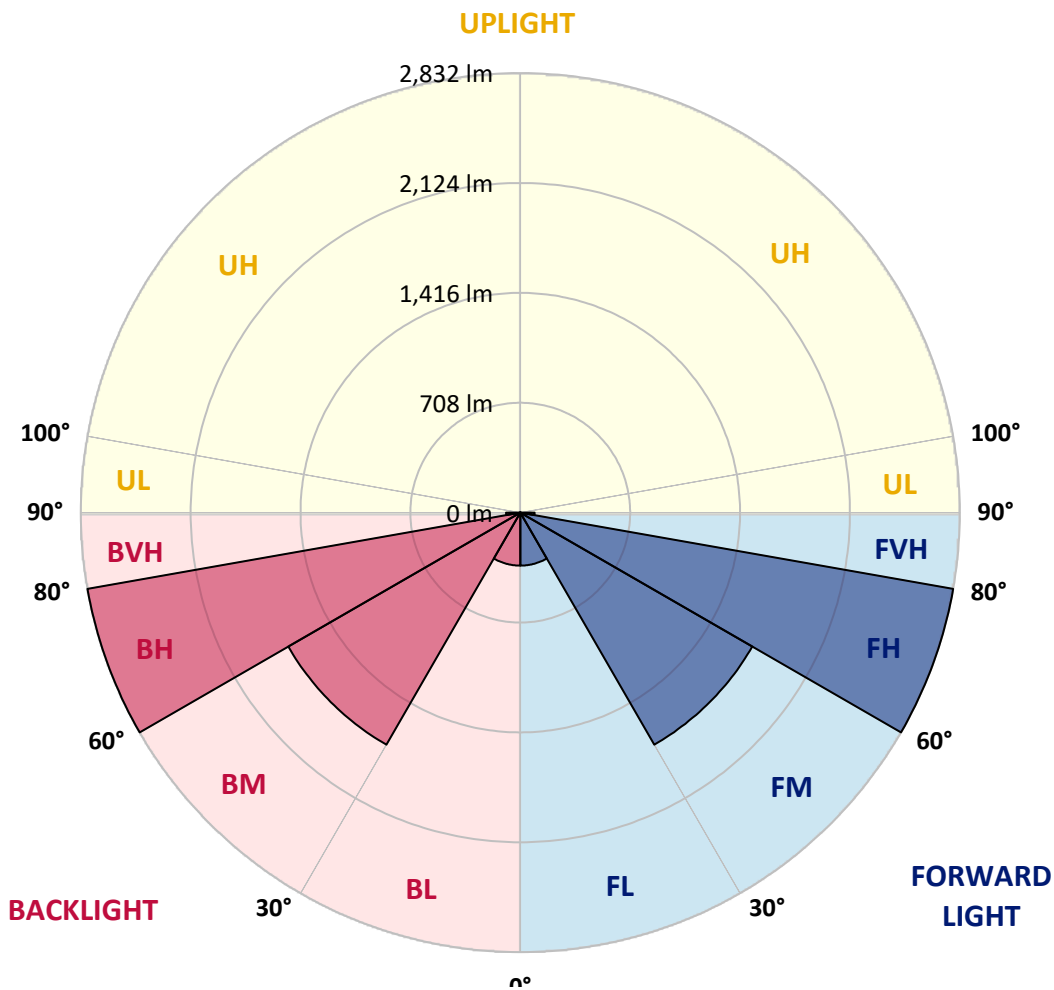
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.3	3.4			
FM (30°-60°)	1726.1	17.3			
FH (60°-80°)	2831.8	28.4			G2/5000
FVH (80°-90°)	92.3	0.9			G1/100
BL (0°-30°)	341.3	3.4	B1/500		
BM (30°-60°)	1726.1	17.3	B2/2500		
BH (60°-80°)	2831.8	28.4	B4/5000		G2/5000
BVH (80°-90°)	92.3	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6	821.6
2.5°	818.0	819.0	818.0	818.6	817.0	817.6	817.6	817.6	817.3	817.6	817.0
5°	810.7	811.4	810.0	810.7	809.7	810.7	811.0	810.7	810.0	810.4	809.1
7.5°	799.8	800.5	799.5	800.5	799.1	800.8	800.5	799.5	798.5	798.5	797.2
10°	793.9	794.2	791.6	790.6	787.6	788.2	789.2	790.2	791.2	793.2	792.9
12.5°	794.2	794.2	790.2	785.9	781.6	782.6	784.3	787.9	791.9	795.5	795.8
15°	797.5	797.2	791.2	784.3	781.3	784.3	785.3	787.6	793.9	800.1	800.5
17.5°	799.8	799.8	790.6	782.6	782.3	786.9	786.6	787.6	794.5	803.8	804.1
20°	804.1	804.1	792.2	783.6	783.6	788.6	788.9	790.6	797.5	807.7	809.4
22.5°	813.7	814.0	801.5	794.5	795.2	798.2	799.1	801.8	808.1	819.3	821.3
25°	827.2	827.9	815.0	811.0	813.3	819.0	818.3	820.3	827.2	838.1	840.1
27.5°	846.0	844.4	832.5	830.8	833.2	837.1	836.8	837.1	842.7	852.6	855.0
30°	870.5	869.8	861.2	862.2	861.2	859.9	860.2	862.9	865.9	873.8	876.1
32.5°	894.3	894.9	889.6	894.6	901.8	906.8	899.2	891.9	888.6	892.9	894.9
35°	937.2	938.8	930.6	927.3	937.2	951.7	930.2	918.4	925.0	930.6	932.2
37.5°	1010.2	1011.2	997.3	984.1	976.8	990.7	969.2	970.2	993.3	1003.9	1003.6
40°	1093.4	1093.7	1084.5	1072.9	1060.4	1063.7	1055.1	1057.7	1072.9	1082.5	1085.1
42.5°	1192.4	1191.5	1176.9	1160.4	1156.8	1160.1	1145.6	1143.6	1161.1	1178.2	1178.6
45°	1320.9	1318.6	1299.8	1281.6	1264.1	1256.8	1253.2	1262.8	1286.9	1302.7	1303.1
47.5°	1459.3	1453.0	1443.1	1428.6	1413.4	1406.1	1400.2	1404.8	1422.3	1428.6	1429.2
50°	1601.6	1602.9	1604.9	1599.3	1593.7	1591.4	1575.8	1566.9	1572.2	1560.6	1559.0
52.5°	1770.3	1773.0	1792.1	1808.3	1817.9	1822.8	1793.5	1762.7	1745.6	1723.1	1716.5
55°	1969.5	1973.8	2001.8	2046.7	2093.0	2117.4	2064.2	2006.8	1953.6	1911.7	1898.1
57.5°	2191.4	2199.0	2237.6	2323.8	2418.6	2476.4	2386.5	2282.2	2179.5	2119.1	2108.5
60°	2451.6	2458.9	2512.4	2635.9	2789.4	2876.3	2740.2	2569.5	2441.7	2383.9	2364.4
62.5°	2761.3	2762.0	2827.7	2972.0	3174.8	3295.7	3111.4	2883.2	2751.4	2681.8	2662.9
65°	3094.5	3096.2	3164.2	3320.1	3529.8	3661.2	3453.2	3215.4	3054.3	2951.6	2937.0
67.5°	3330.0	3336.9	3408.6	3596.2	3792.3	3910.9	3695.6	3426.8	3240.5	3118.0	3105.8
70°	3292.4	3319.4	3403.6	3622.6	3895.3	4064.4	3734.9	3401.7	3156.0	3011.3	3001.1
72.5°	2871.3	2923.2	3035.4	3322.7	3759.0	3991.8	3520.5	3046.7	2768.6	2645.4	2626.9
75°	1955.3	2039.5	2208.9	2623.3	3211.4	3456.1	2963.8	2429.1	2167.6	1997.2	1984.7
77.5°	871.8	890.9	1105.6	1582.8	2216.1	2482.0	2153.4	1589.0	1192.8	951.4	900.5
80°	243.0	246.0	328.2	589.5	1109.2	1458.3	1190.8	619.2	348.1	245.4	231.2
82.5°	77.3	83.9	102.4	152.9	372.8	665.4	382.7	165.1	117.6	93.8	84.5
85°	37.6	37.3	51.8	62.1	95.1	147.3	101.4	76.6	67.0	44.6	40.3
87.5°	15.9	16.2	24.1	21.8	27.7	23.8	32.7	34.3	36.0	19.8	17.2
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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