

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: P385650

Luminaire Tested: **GWC-SA1B-727-U-5MQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385650  
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-SA1B-727-U-5MQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5362 lumens  
Efficiency: N/A  
Efficacy: 121.9 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

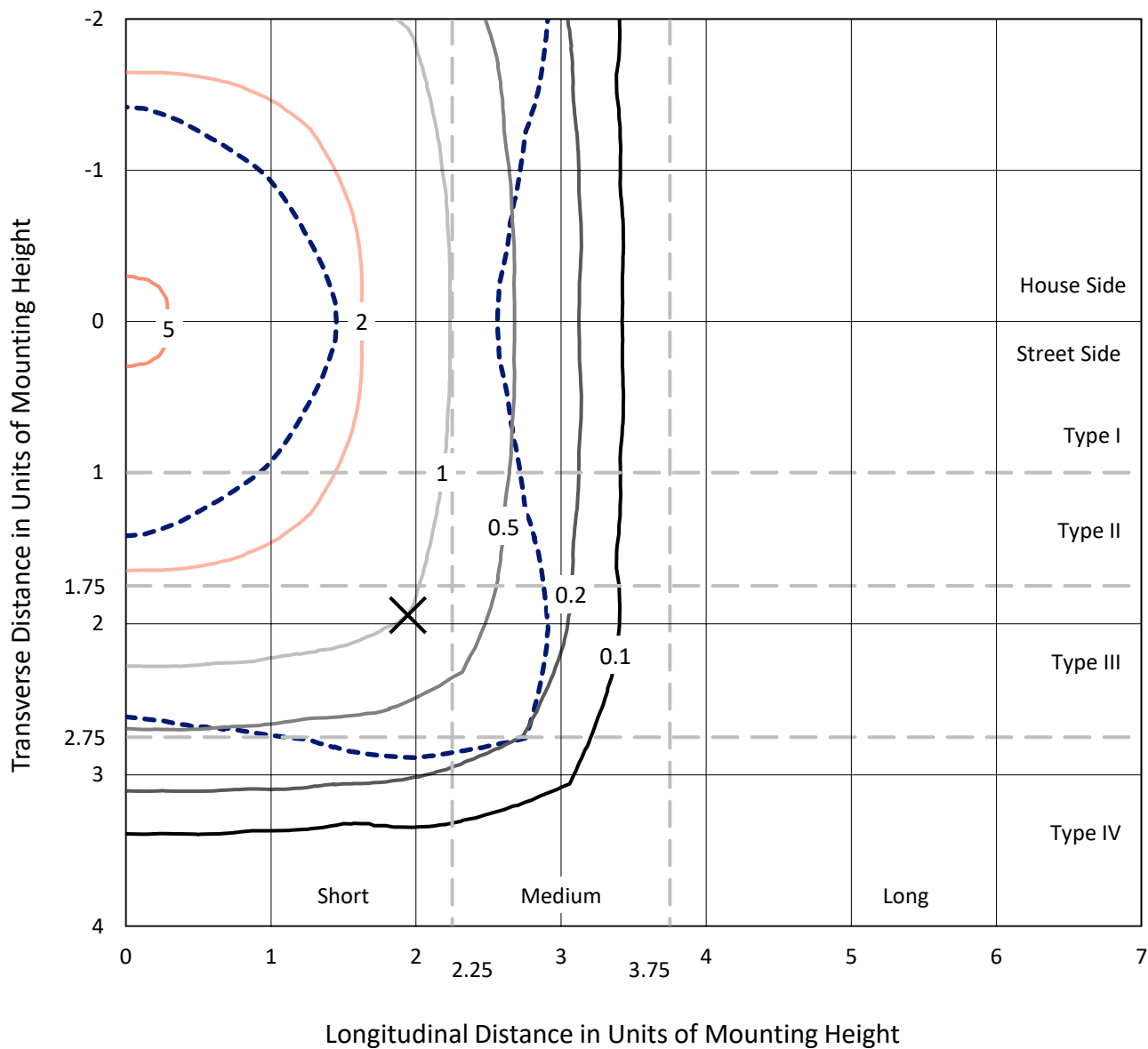
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

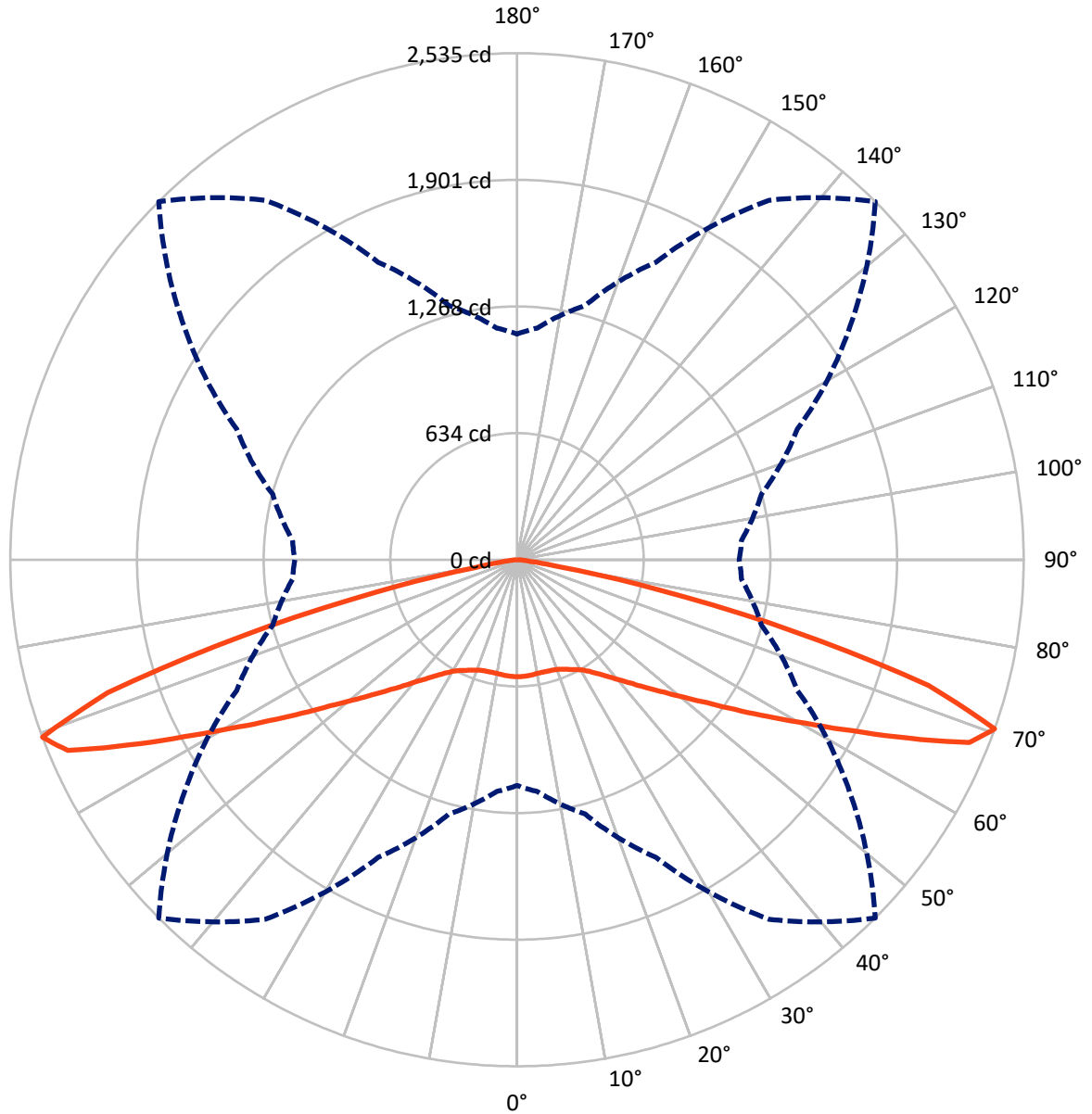
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 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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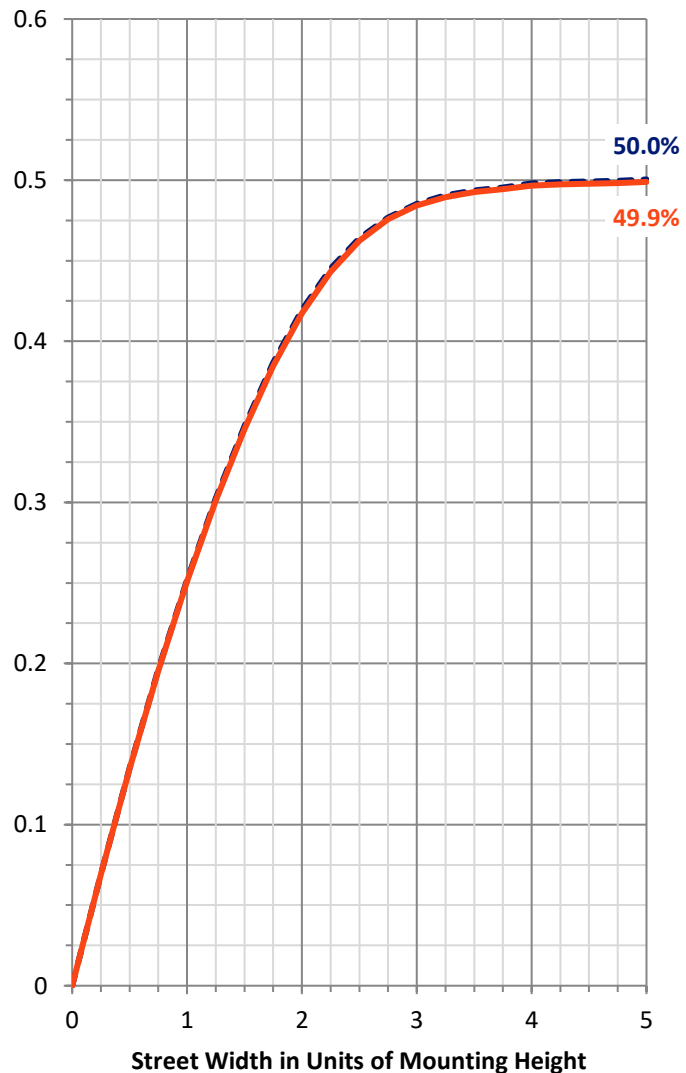
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2681.0	0.0	2681.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2681.0	0.0	2681.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5362.0	0.0	5362.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.5	1.0
10°-20°	162.8	3.0
20°-30°	277.2	5.2
30°-40°	439.6	8.2
40°-50°	715.4	13.3
50°-60°	1179.5	22.0
60°-70°	1731.6	32.3
70°-80°	765.7	14.3
80°-90°	34.7	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°	5362.0	100.0
0°-180°	5362.0	100.0



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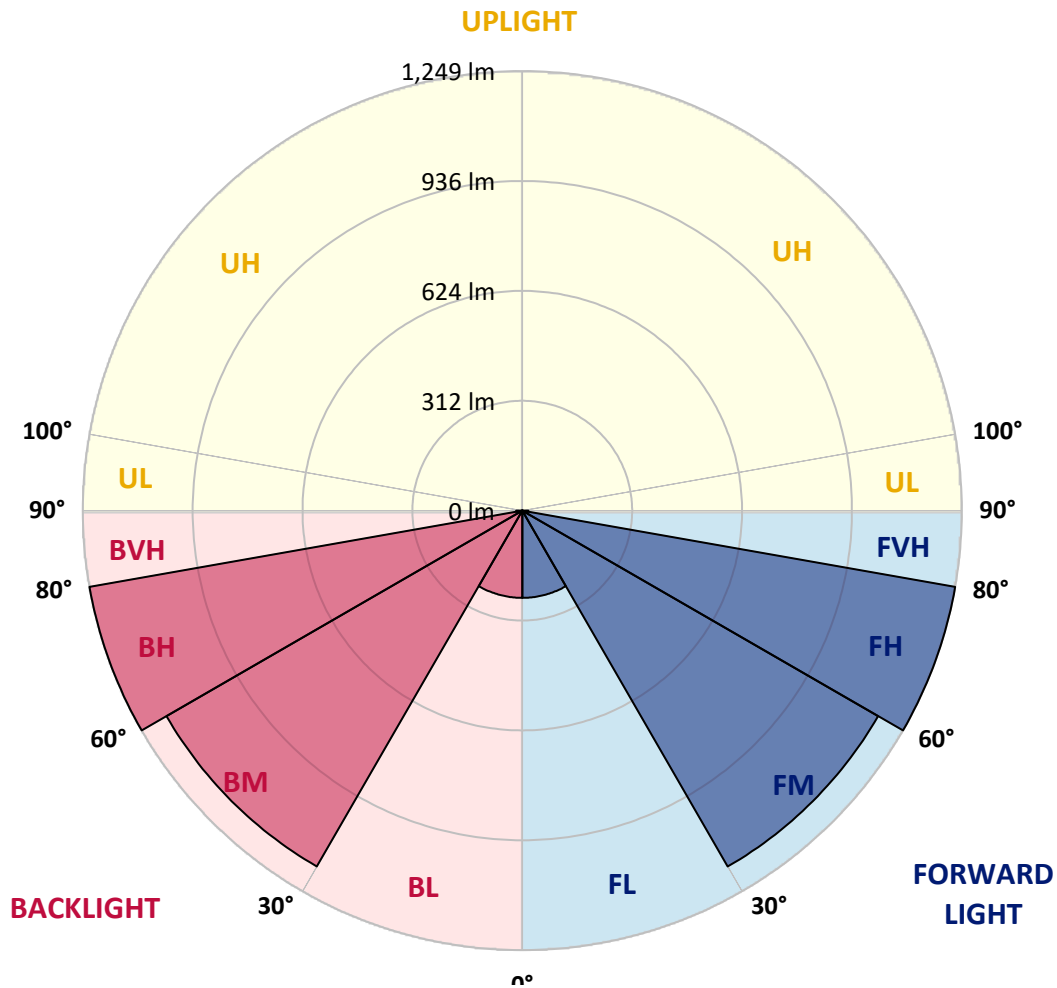
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.7	4.6			
FM (30°-60°)	1167.3	21.8			
FH (60°-80°)	1248.7	23.3			G1/1800
FVH (80°-90°)	17.3	0.3			G1/100
BL (0°-30°)	247.7	4.6	B1/500		
BM (30°-60°)	1167.3	21.8	B2/2500		
BH (60°-80°)	1248.7	23.3	B3/2500		G1/1800
BVH (80°-90°)	17.3	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°	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6	585.6
2.5°	584.7	584.2	585.4	585.3	584.2	584.4	584.4	584.9	584.9	584.5	584.5
5°	582.6	582.2	583.7	583.7	582.6	583.0	583.3	583.8	583.7	583.3	583.1
7.5°	579.9	579.8	581.2	581.2	580.5	580.8	580.5	580.6	580.3	579.9	579.4
10°	575.5	575.9	577.1	577.5	577.5	577.6	577.3	576.4	575.9	575.3	574.8
12.5°	571.4	571.2	573.0	573.9	575.3	576.9	575.9	573.4	572.3	571.2	570.9
15°	568.8	568.9	570.7	572.3	574.8	578.2	576.9	573.0	570.9	569.6	569.3
17.5°	568.2	568.6	570.9	573.7	576.4	580.1	579.4	575.5	571.9	569.6	569.1
20°	569.5	569.6	573.2	577.3	581.9	585.4	583.8	579.6	574.8	571.2	570.4
22.5°	571.8	572.5	576.9	583.3	590.4	595.2	593.2	586.0	578.5	574.1	572.8
25°	579.0	579.2	585.3	594.0	602.5	608.0	605.7	595.4	585.8	580.8	579.2
27.5°	594.1	594.7	600.7	610.8	618.1	621.6	620.2	611.9	603.7	598.4	598.9
30°	616.0	616.7	623.4	634.6	639.0	639.9	639.6	635.7	628.2	621.1	621.6
32.5°	642.6	642.9	652.0	662.1	665.6	666.4	665.6	662.1	653.2	643.6	644.2
35°	676.8	677.9	686.6	696.3	699.2	700.6	699.4	694.8	685.5	676.1	675.8
37.5°	719.1	719.2	728.3	738.4	742.0	742.3	740.9	737.9	726.3	717.8	717.3
40°	768.0	768.8	779.4	790.2	791.6	790.0	792.0	790.2	778.3	768.6	770.2
42.5°	827.7	829.3	842.0	852.7	848.6	847.7	849.0	849.5	839.9	828.0	827.0
45°	897.1	898.5	914.4	923.0	920.3	914.4	916.9	921.2	907.9	893.1	894.6
47.5°	976.2	979.7	996.8	1004.8	998.2	990.2	995.0	1001.4	985.8	967.5	966.6
50°	1064.2	1068.7	1091.4	1102.6	1096.0	1081.3	1089.2	1093.5	1071.0	1047.4	1045.4
52.5°	1158.1	1162.5	1191.1	1214.2	1209.9	1187.0	1198.2	1193.8	1167.9	1136.1	1133.6
55°	1264.4	1266.2	1297.0	1334.3	1338.6	1321.7	1321.0	1313.7	1275.4	1238.7	1236.9
57.5°	1373.7	1375.0	1414.9	1458.9	1478.9	1478.9	1459.1	1443.6	1392.7	1350.1	1345.7
60°	1491.7	1496.2	1540.3	1600.1	1647.0	1660.8	1625.7	1583.6	1528.3	1476.3	1471.1
62.5°	1596.8	1601.9	1669.5	1758.6	1833.9	1884.3	1798.4	1729.9	1629.1	1545.7	1535.9
65°	1610.1	1623.9	1722.4	1883.7	2052.1	2152.8	1988.1	1819.3	1635.6	1519.8	1509.8
67.5°	1470.4	1493.8	1626.9	1878.0	2226.0	2442.0	2109.3	1768.2	1517.8	1389.7	1378.7
70°	1129.9	1164.0	1317.5	1642.7	2196.1	2535.2	2033.3	1548.0	1265.5	1127.6	1112.1
72.5°	619.9	633.9	771.9	1124.9	1760.6	2154.3	1696.0	1144.6	839.2	682.9	657.0
75°	196.6	201.6	271.9	460.3	995.9	1426.9	1077.4	561.8	309.3	228.0	225.4
77.5°	87.3	87.8	98.3	134.3	343.0	723.0	412.1	153.0	105.4	92.1	95.1
80°	55.2	55.2	60.9	66.5	93.3	209.9	111.4	72.8	62.1	57.7	58.9
82.5°	26.4	29.3	39.6	42.6	51.3	70.6	57.1	47.6	41.5	30.9	28.7
85°	17.4	14.6	25.0	28.2	29.8	33.9	33.2	31.4	27.2	15.4	17.2
87.5°	7.8	7.5	13.0	11.9	11.2	8.5	12.8	15.8	15.3	7.6	7.6
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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