

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: STREETWORKS

Report Number: P525253

Luminaire Tested: **IFLD-S-SA6C-927-U-11**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525253  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-927-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11  
distribution lens  
Light Source: (96) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

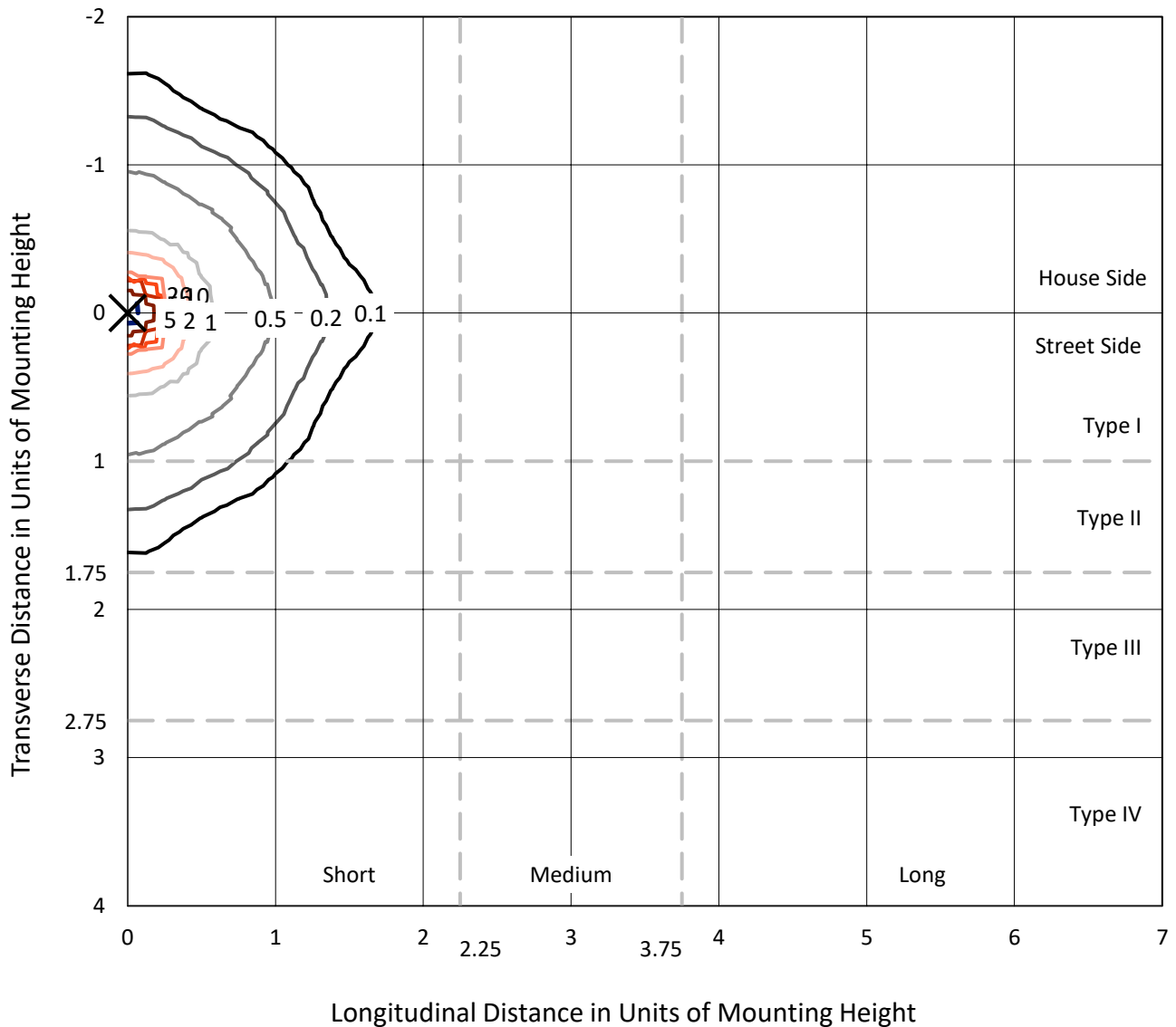
Lumens per Lamp: N/A  
Luminaire Lumens: 15179.9 lumens  
Efficiency: N/A  
Efficacy: 47.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G0

Input Watts (W): 321.5  
Input Voltage (V): 120  
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

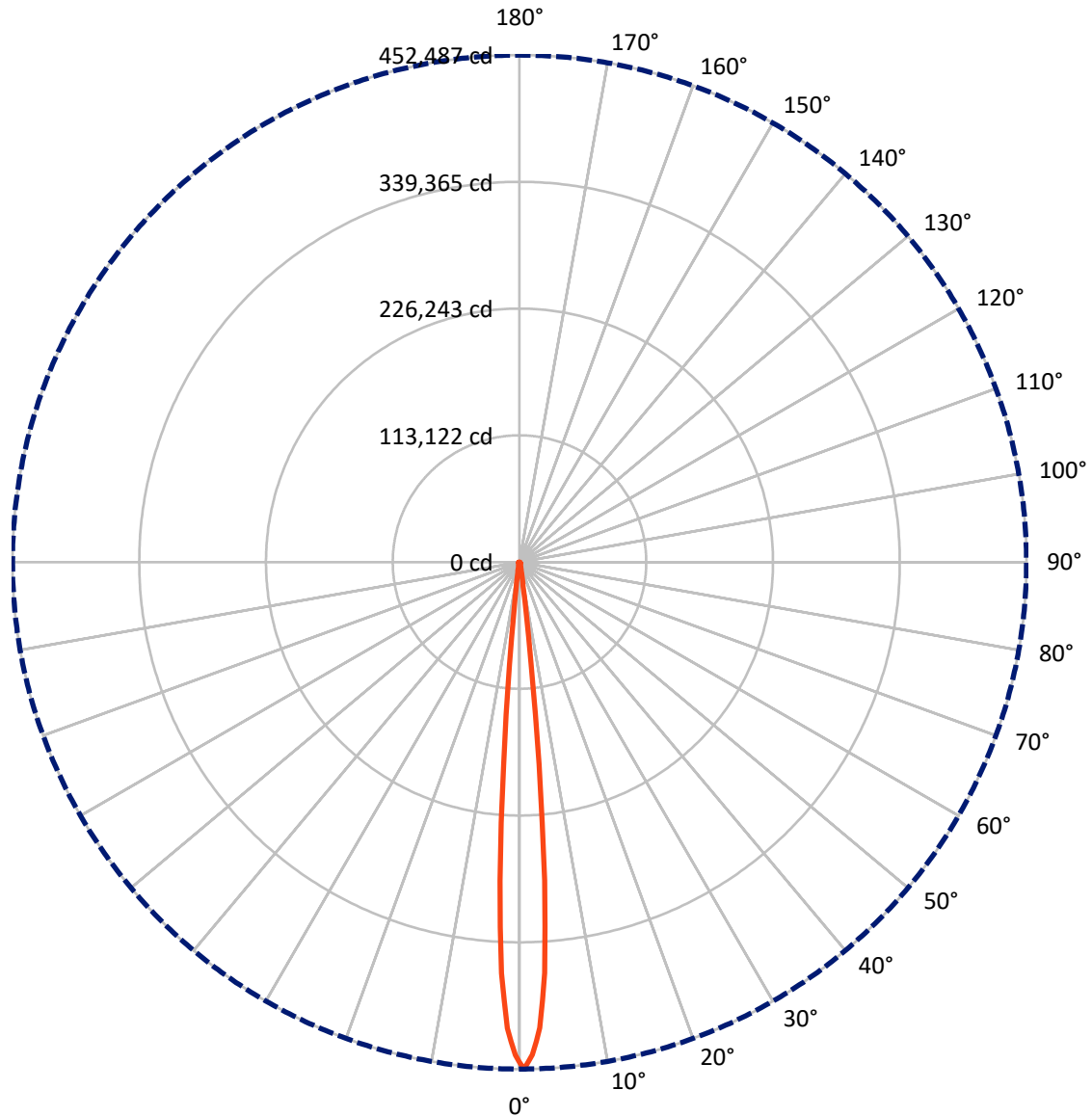
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 724 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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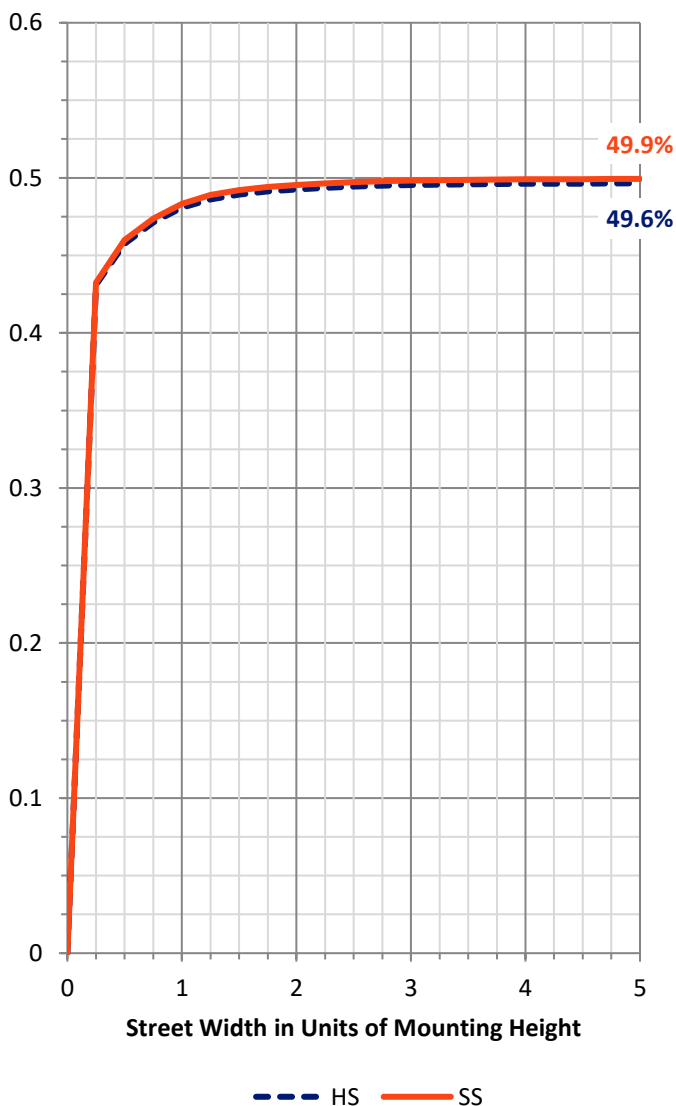
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7589.9	0.0	7589.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7589.9	0.0	7589.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15179.9	0.0	15179.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11658.1	76.8
10°-20°	1137.1	7.5
20°-30°	607.5	4.0
30°-40°	501.0	3.3
40°-50°	557.9	3.7
50°-60°	375.2	2.5
60°-70°	239.4	1.6
70°-80°	94.5	0.6
80°-90°	9.2	0.1
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°	15179.9	100.0
0°-180°	15179.9	100.0

**Coefficient of Utilization**

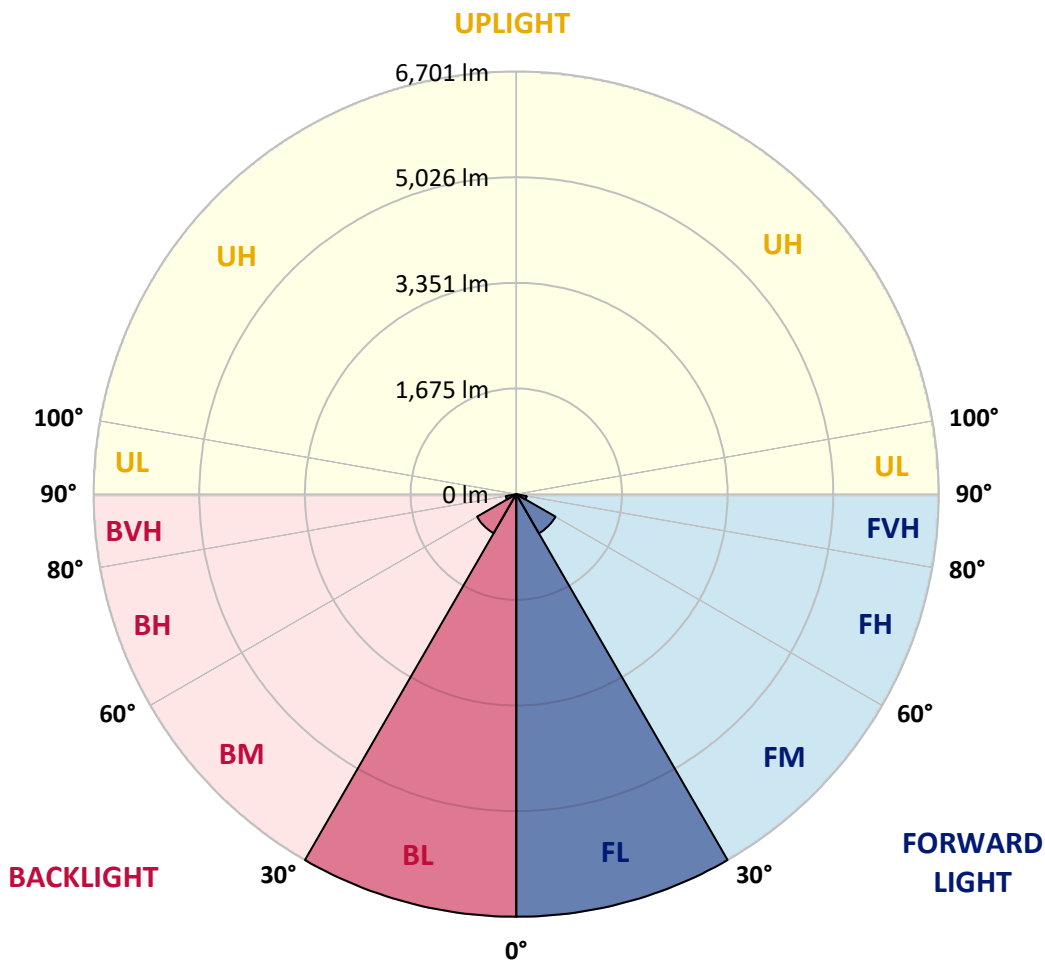


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6701.3	44.1			
FM (30°-60°)	717.0	4.7			
FH (60°-80°)	167.0	1.1			G0/660
FVH (80°-90°)	4.6	0.0			G0/10
BL (0°-30°)	6701.3	44.1	B5		
BM (30°-60°)	717.0	4.7	B1/1000		
BH (60°-80°)	167.0	1.1	B1/500		G0/660
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	452486.7	452486.7	452486.7	452486.7	452486.7	452486.7	452486.7	452486.7	452486.7	452486.7
1°	439910.9	440675.9	440813.9	439903.0	437580.2	438128.4	438057.4	438179.7	437950.9	436499.7
2°	416092.0	417223.8	416032.9	413477.5	408185.3	406923.4	402707.7	398003.1	392994.9	387974.8
3°	367472.4	369854.3	368154.7	370883.6	360149.3	359064.9	350199.8	338511.3	326665.0	317066.4
4°	284915.0	289315.9	289899.6	298906.6	290088.9	292845.4	282718.4	266479.0	248756.9	235199.1
5°	181610.7	187746.8	191209.2	199656.2	203718.0	214294.5	209361.2	193062.6	172584.0	156987.4
6°	91761.6	95101.8	104404.5	113691.5	124063.0	138097.9	139998.7	125691.6	109393.1	94423.5
7°	42775.3	44155.5	50717.5	52697.2	64555.3	79781.2	81910.7	74067.1	65470.2	53868.4
8°	22103.4	22639.7	25037.4	26508.3	33425.2	42183.8	43678.4	38741.1	35223.5	29387.1
9°	13613.0	13849.6	14748.7	15080.0	17666.9	21563.1	22091.6	20025.2	19070.8	17055.7
10°	9440.8	9567.0	9988.9	10075.7	10939.3	12221.0	12268.3	11590.0	11605.8	11101.0
12.5°	5031.9	5071.4	5189.7	5201.5	5367.1	5501.2	5469.7	5473.6	5540.6	5473.6
15°	3217.9	3237.6	3308.6	3324.4	3411.1	3458.5	3434.8	3430.9	3454.5	3411.1
17.5°	2295.1	2307.0	2358.2	2401.6	2456.8	2472.6	2464.7	2456.8	2456.8	2417.4
20°	1790.4	1806.1	1841.6	1885.0	1912.6	1940.2	1944.2	1940.2	1928.4	1908.7
22.5°	1522.2	1530.1	1541.9	1561.6	1581.3	1593.2	1601.1	1605.0	1601.1	1593.2
25°	1325.0	1332.9	1356.6	1368.4	1368.4	1372.3	1388.1	1396.0	1399.9	1384.2
27.5°	978.0	997.7	1033.2	1052.9	1052.9	1060.8	1072.6	1088.4	1104.2	1076.6
30°	757.2	772.9	812.4	812.4	808.4	816.3	828.1	851.8	875.5	843.9
32.5°	682.2	682.2	690.1	694.1	694.1	705.9	713.8	733.5	753.2	745.3
35°	713.8	694.1	670.4	670.4	678.3	701.9	705.9	725.6	745.3	772.9
37.5°	1037.1	978.0	891.2	875.5	875.5	903.1	891.2	903.1	938.6	1041.1
40°	942.5	895.2	843.9	772.9	772.9	812.4	784.8	800.5	883.3	946.4
42.5°	840.0	840.0	784.8	717.7	717.7	737.4	729.6	737.4	832.1	883.3
45°	776.9	776.9	761.1	654.6	670.4	682.2	682.2	682.2	808.4	824.2
47.5°	741.4	741.4	701.9	603.4	623.1	627.0	634.9	627.0	725.6	780.8
50°	662.5	670.4	603.4	532.4	556.0	556.0	567.9	552.1	627.0	717.7
52.5°	571.8	579.7	477.2	422.0	449.6	445.6	461.4	437.7	496.9	623.1
55°	508.7	504.8	394.4	343.1	374.6	370.7	378.6	351.0	402.2	536.3
57.5°	441.7	449.6	323.4	280.0	315.5	307.6	319.4	287.9	331.3	477.2
60°	390.4	402.2	276.0	236.6	272.1	264.2	276.0	240.6	283.9	429.8
62.5°	374.6	374.6	244.5	201.1	236.6	228.7	236.6	201.1	252.4	394.4
65°	445.6	422.0	220.8	165.6	201.1	193.2	201.1	165.6	220.8	378.6
67.5°	591.5	563.9	209.0	130.1	161.7	149.9	161.7	134.1	193.2	354.9
70°	307.6	327.3	209.0	102.5	122.2	122.2	118.3	102.5	161.7	260.3
72.5°	177.5	181.4	161.7	78.9	94.6	102.5	90.7	78.9	118.3	193.2
75°	98.6	110.4	102.5	59.2	71.0	78.9	67.0	59.2	82.8	138.0
77.5°	59.2	67.0	59.2	39.4	47.3	43.4	47.3	39.4	55.2	90.7
80°	31.5	31.5	31.5	23.7	23.7	27.6	27.6	23.7	31.5	47.3
82.5°	11.8	11.8	11.8	7.9	11.8	11.8	11.8	15.8	15.8	19.7
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
452486.7  
437931.2  
390865.4  
320706.3  
238342.1  
158986.7  
95543.5  
55272.3  
30179.7  
17493.4  
11333.7  
5548.5  
3442.7  
2429.2  
1912.6  
1597.1  
1384.2  
1072.6  
836.0  
745.3  
788.7  
1092.4  
1005.6  
887.3  
820.3  
769.0  
709.8  
607.3  
528.4  
465.3  
418.0  
390.4  
378.6  
351.0  
256.3  
189.3  
122.2  
67.0  
39.4  
19.7  
3.9  
3.9  
0.0

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