

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: P636355

Luminaire Tested: **IFLD-L-SA7E-935-U-44-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636355
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-935-U-44-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 4 distribution lens and Visor
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35043.5 lumens
Efficiency: N/A
Efficacy: 65.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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: 25 FT

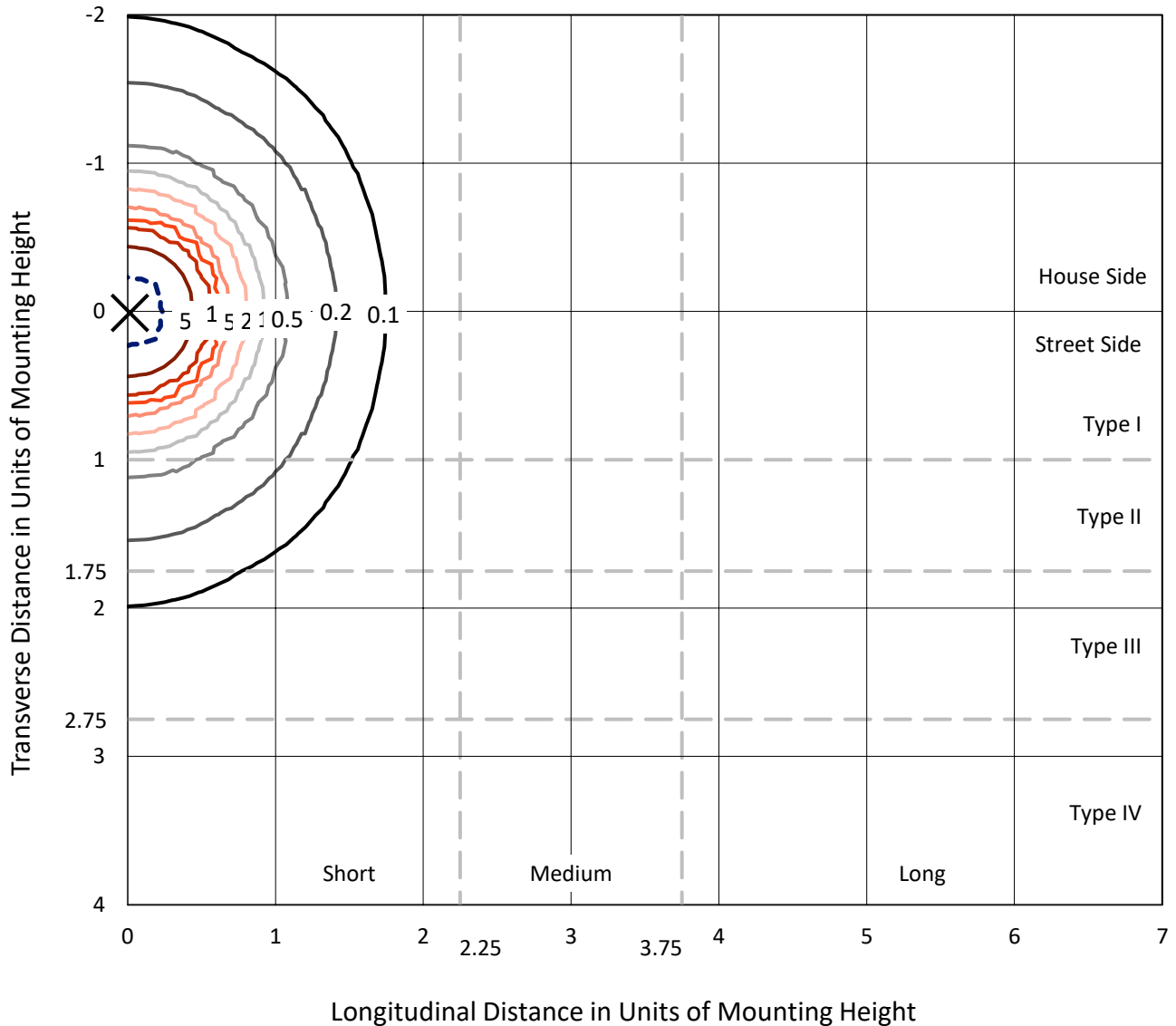




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Iso-Footcandle Lines of Horizontal Illumination

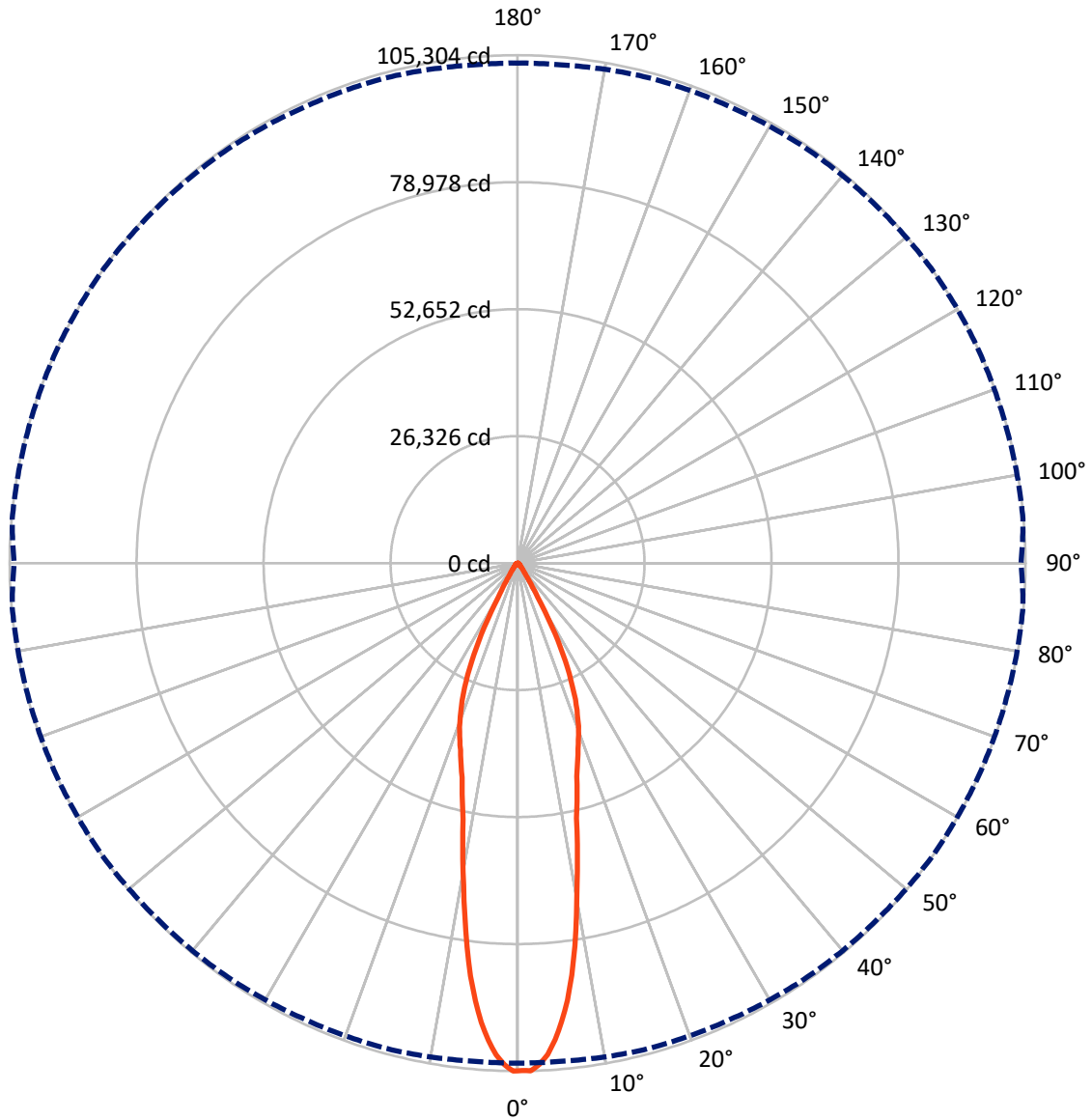
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 263 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 1-Deg Vertical

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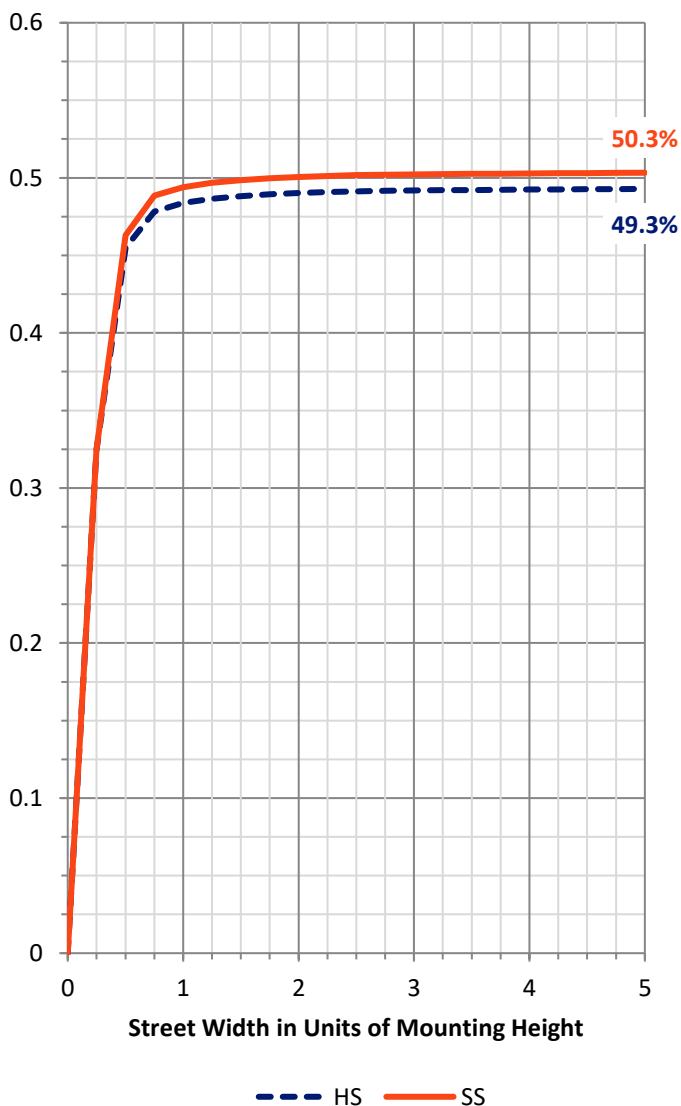
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17521.8	0.0	17521.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17521.8	0.0	17521.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	35043.5	0.0	35043.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8002.9	22.8
10°-20°	13070.9	37.3
20°-30°	10214.1	29.1
30°-40°	2226.4	6.4
40°-50°	659.2	1.9
50°-60°	412.3	1.2
60°-70°	288.3	0.8
70°-80°	123.7	0.4
80°-90°	45.7	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°	35043.5	100.0
0°-180°	35043.5	100.0



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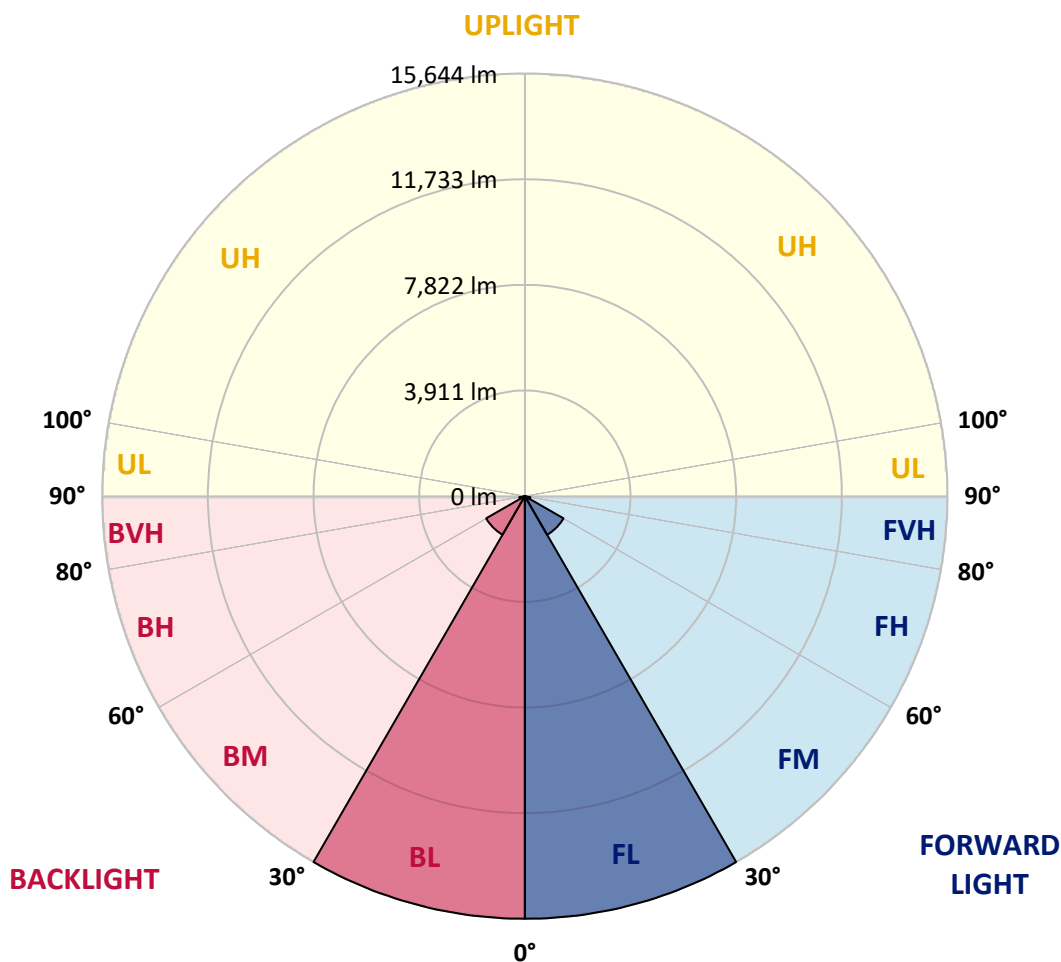
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	15644.0	44.6			
FM (30°-60°)	1648.9	4.7			
FH (60°-80°)	206.0	0.6			G0/660
FVH (80°-90°)	22.9	0.1			G1/100
BL (0°-30°)	15644.0	44.6	B5		
BM (30°-60°)	1648.9	4.7	B2/2500		
BH (60°-80°)	206.0	0.6	B1/500		G0/660
BVH (80°-90°)	22.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	105183.5	105183.5	105183.5	105183.5	105183.5	105183.5	105183.5	105183.5	105183.5	105183.5
1°	103660.9	103673.6	104238.2	104365.1	104752.1	104948.8	105304.0	105266.0	105158.1	105170.8
2°	101751.4	101668.9	102195.5	102779.1	103242.2	103622.9	104047.9	104136.7	104035.2	104130.4
3°	98611.1	98490.6	99226.5	99956.0	100761.7	101415.2	102055.9	102081.3	101960.7	101954.4
4°	94481.2	94259.1	95134.6	96435.1	97450.2	98319.3	99118.6	99105.9	98941.0	99074.2
5°	89488.4	89209.3	90344.9	92057.8	93561.3	94608.1	95489.9	95280.5	94899.9	94918.9
6°	83360.1	83632.9	85022.3	87426.6	89203.0	90072.1	91156.9	90763.6	90103.8	90034.0
7°	77599.8	78215.2	79325.4	82224.6	84337.1	85250.7	86170.5	85377.5	84483.0	84337.1
8°	71534.9	72562.7	74097.9	76768.7	79020.8	79940.7	80289.6	79439.6	78481.6	78443.5
9°	66618.3	67322.5	68642.1	70995.7	73285.9	73901.2	73977.4	73235.1	72277.2	72340.6
10°	62145.8	62279.0	63421.0	65444.7	67278.1	67715.8	67696.8	67157.6	66370.9	66580.3
12.5°	52135.0	52496.6	52826.5	53473.6	54088.9	54374.4	54266.6	54044.5	53613.1	53632.2
15°	45340.6	45334.2	45372.3	45670.4	45854.4	45886.1	45886.1	45607.0	45423.0	45695.8
17.5°	39345.5	39675.4	40265.4	40506.4	40747.5	40658.7	40493.7	40366.9	40246.3	40481.1
20°	34682.6	34828.6	34834.9	34993.5	36211.5	36275.0	36065.6	35704.0	35399.5	35342.4
22.5°	29436.2	29658.2	29753.4	29892.9	30019.8	30946.0	30698.6	30115.0	29753.4	29645.5
25°	22096.1	22020.0	22641.7	23783.7	23967.6	24081.8	24018.4	23713.9	23479.1	23523.5
27.5°	15270.0	15403.2	15377.9	15390.5	16602.2	16595.9	16576.9	16310.4	16240.6	16139.1
30°	8539.0	8475.6	8507.3	8424.8	8253.5	8462.9	8126.7	8412.1	8133.0	8221.8
32.5°	5049.8	5005.4	4961.0	4980.0	4853.2	4542.3	4409.1	4605.7	4542.3	4516.9
35°	3222.8	3241.8	3298.9	3292.5	3178.3	3000.7	2810.4	2988.0	2962.6	2886.5
37.5°	2055.5	2055.5	2074.5	2239.4	2144.3	1992.0	1858.8	1934.9	1928.6	1915.9
40°	1459.1	1459.1	1484.5	1528.9	1478.2	1402.0	1325.9	1325.9	1338.6	1300.5
42.5°	1084.8	1084.8	1110.2	1135.6	1072.1	1046.8	1008.7	983.3	1015.0	983.3
45°	850.1	843.8	850.1	837.4	799.3	799.3	767.6	729.6	767.6	748.6
47.5°	697.8	691.5	685.2	659.8	621.7	628.1	615.4	583.6	602.7	596.3
50°	609.0	596.3	602.7	577.3	545.6	539.2	539.2	507.5	513.9	513.9
52.5°	532.9	532.9	526.6	513.9	501.2	475.8	482.1	450.4	450.4	450.4
55°	501.2	501.2	488.5	463.1	469.5	450.4	431.4	412.4	406.0	406.0
57.5°	494.8	494.8	488.5	463.1	444.1	437.7	412.4	387.0	368.0	374.3
60°	482.1	482.1	469.5	463.1	431.4	418.7	380.6	361.6	336.2	336.2
62.5°	463.1	456.8	431.4	393.3	393.3	361.6	336.2	298.2	279.1	272.8
65°	393.3	387.0	368.0	336.2	317.2	298.2	260.1	222.0	209.4	190.3
67.5°	323.5	323.5	310.9	279.1	266.4	241.1	196.7	171.3	139.6	126.9
70°	266.4	266.4	253.8	234.7	222.0	190.3	152.3	126.9	95.2	82.5
72.5°	215.7	215.7	203.0	190.3	177.6	158.6	126.9	95.2	63.4	50.8
75°	171.3	171.3	164.9	152.3	139.6	126.9	101.5	76.1	44.4	25.4
77.5°	139.6	139.6	133.2	126.9	114.2	101.5	82.5	63.4	31.7	12.7
80°	107.8	107.8	107.8	107.8	95.2	82.5	69.8	50.8	25.4	6.3
82.5°	76.1	76.1	82.5	95.2	76.1	63.4	63.4	50.8	19.0	6.3
85°	50.8	57.1	63.4	57.1	50.8	50.8	88.8	82.5	19.0	6.3
87.5°	25.4	25.4	25.4	25.4	25.4	19.0	25.4	19.0	12.7	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°
105183.5
104390.5
103381.8
101402.5
98446.2
93992.7
89107.8
83645.6
77054.2
71395.4
65844.4
53004.1
45061.4
39941.8
34974.5
29258.5
23371.3
15771.2
8329.7
4453.5
2804.0
1890.5
1287.8
977.0
748.6
596.3
520.2
450.4
399.7
374.3
317.2
260.1
184.0
120.5
76.1
44.4
19.0
12.7
6.3
6.3
6.3
0.0
0.0

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