

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: P385875

Luminaire Tested: **GWC-SA1C-727-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-SA1C-727-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6517 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

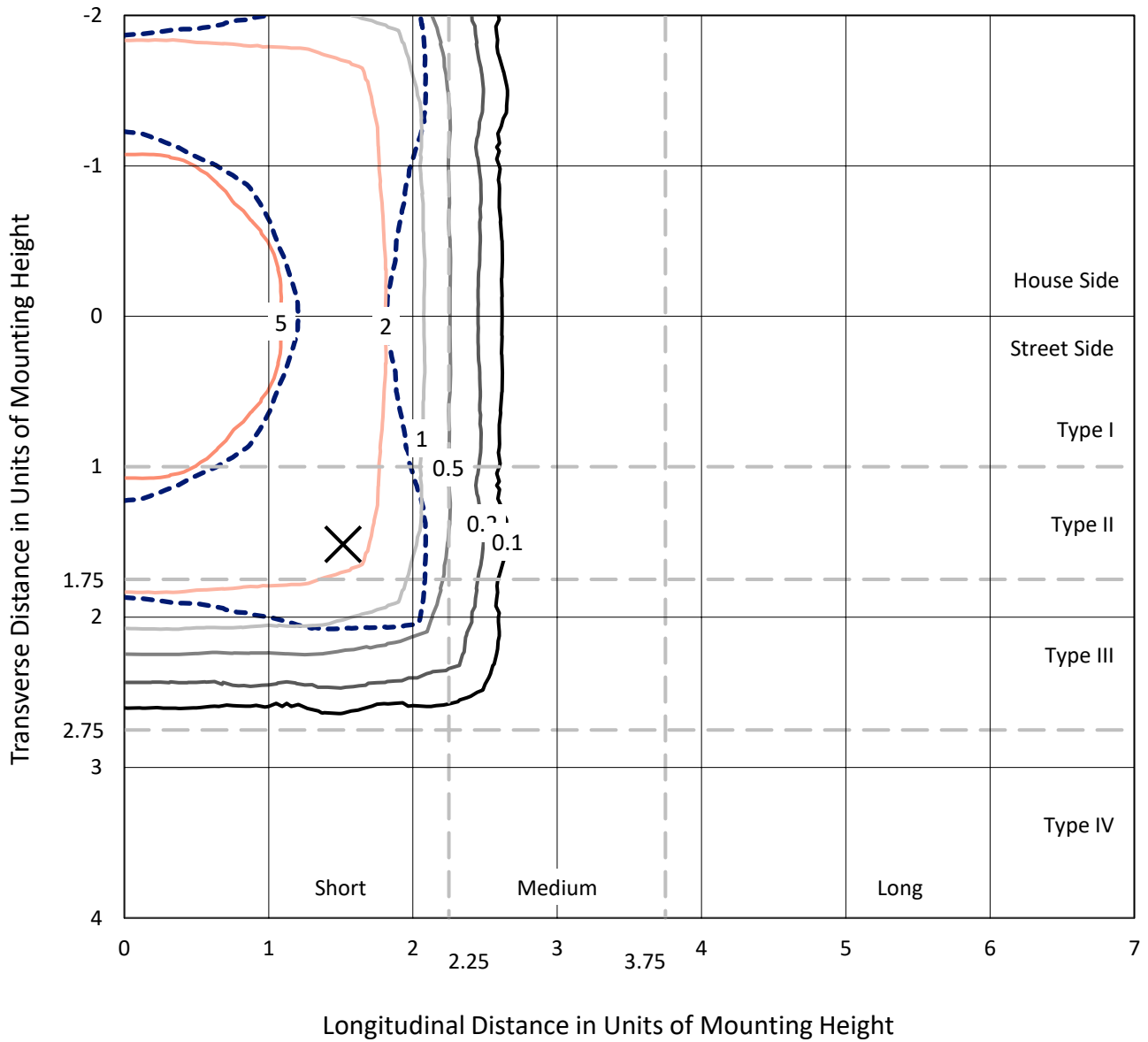
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

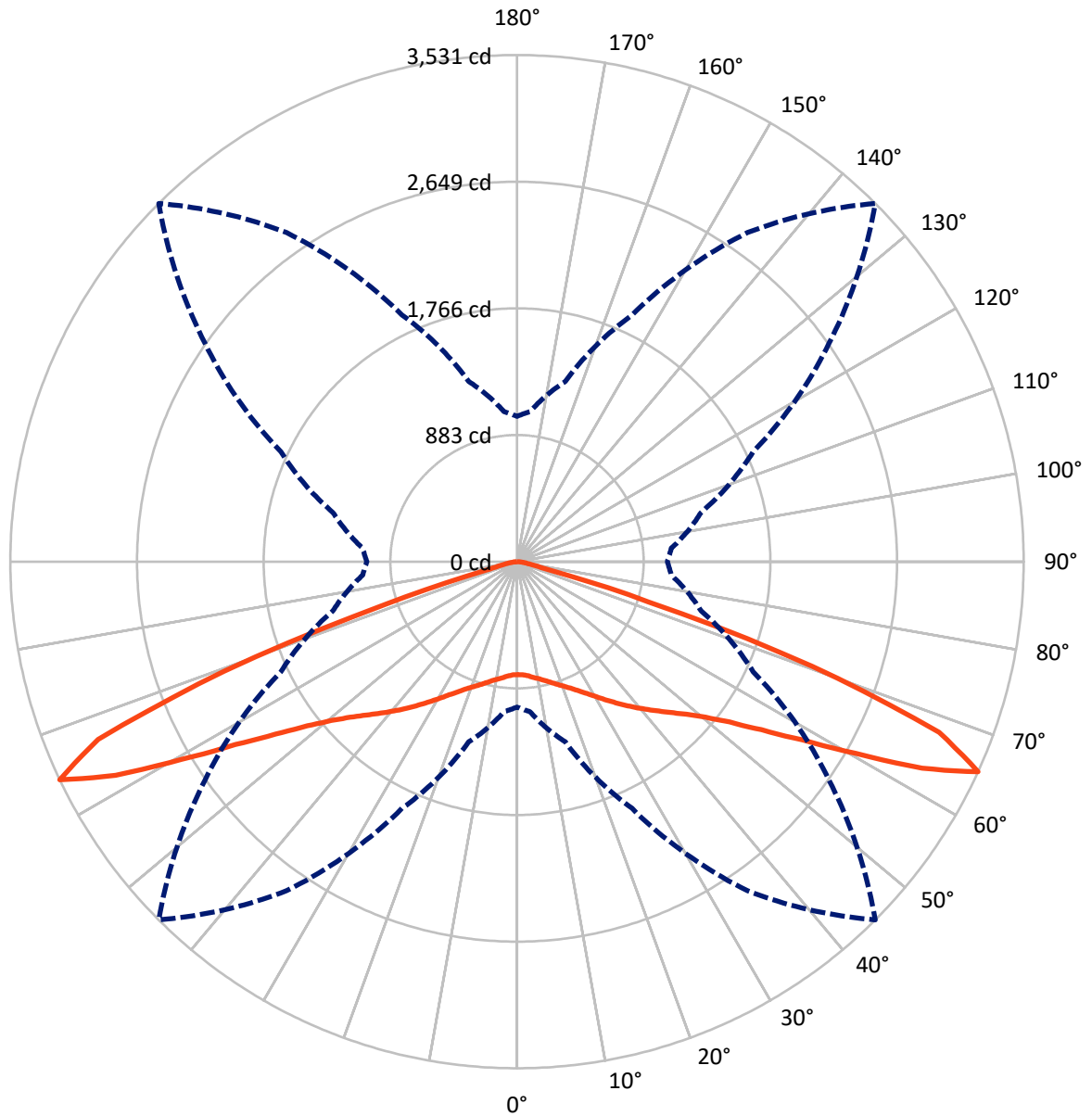
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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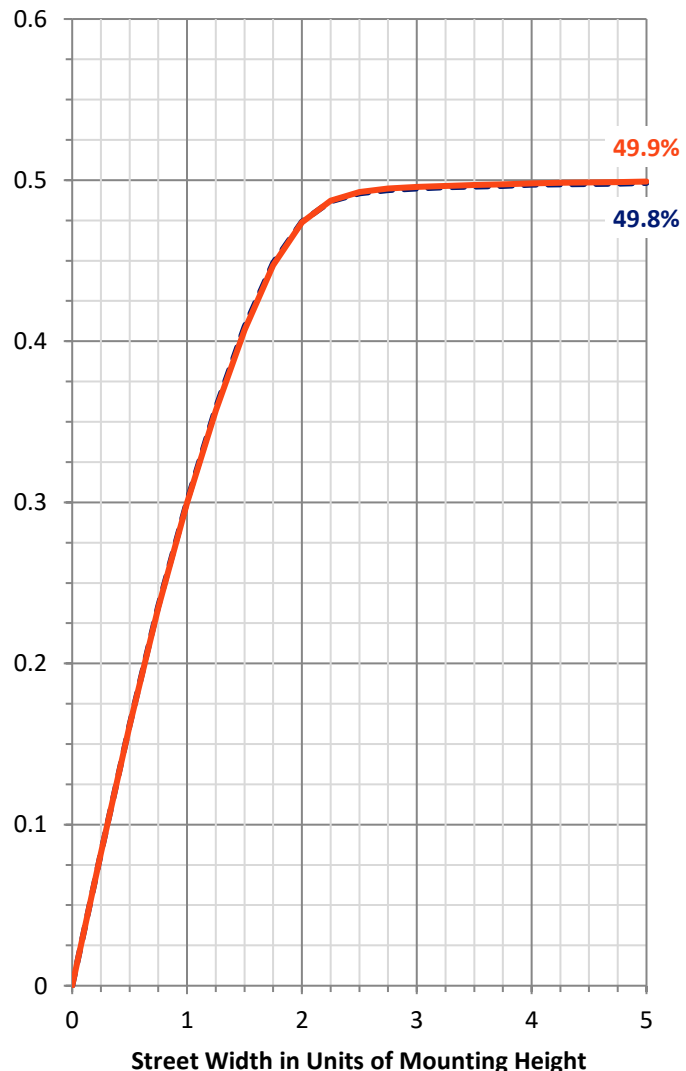
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3258.5	0.0	3258.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3258.5	0.0	3258.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6517.0	0.0	6517.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.2	1.2
10°-20°	248.2	3.8
20°-30°	465.7	7.1
30°-40°	770.1	11.8
40°-50°	1192.8	18.3
50°-60°	1829.4	28.1
60°-70°	1707.0	26.2
70°-80°	198.7	3.0
80°-90°	27.9	0.4
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°	6517.0	100.0
0°-180°	6517.0	100.0

Coefficient of Utilization



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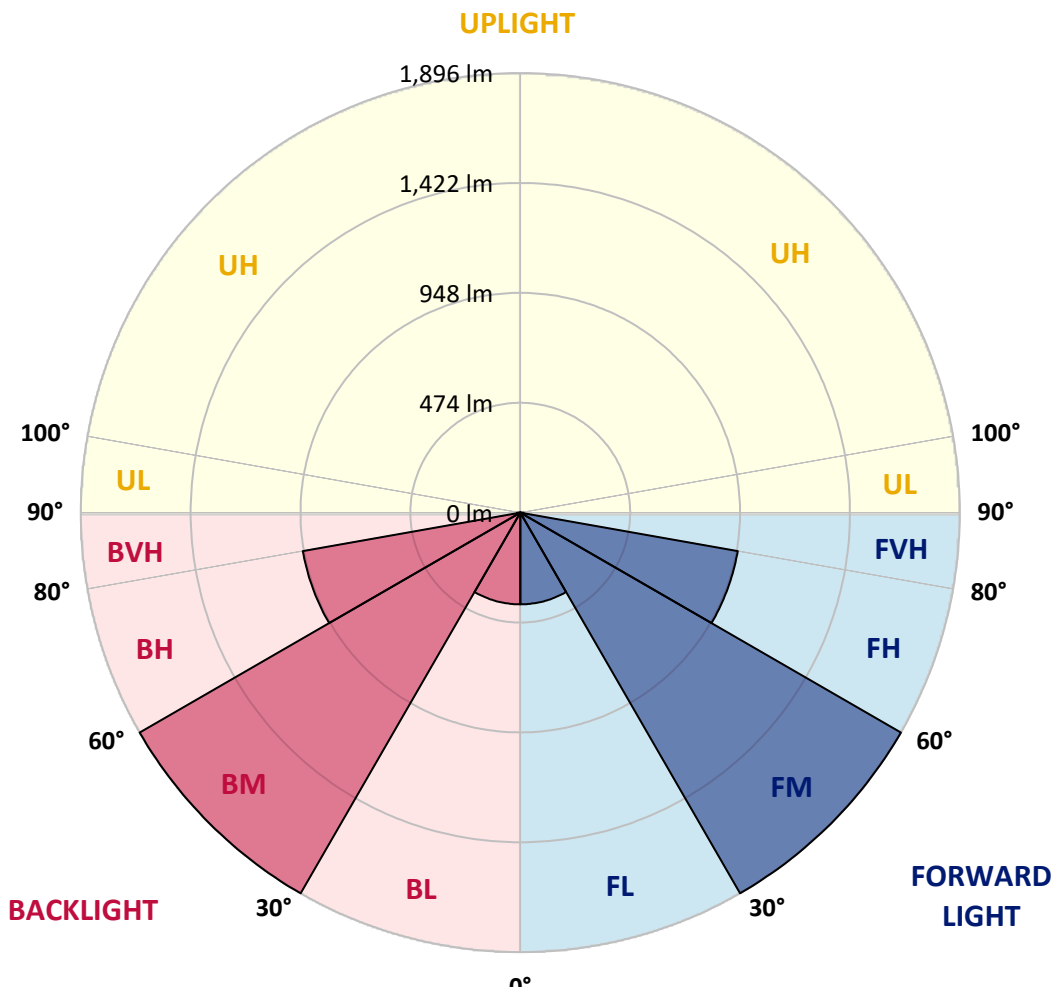
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.5	6.1			
FM (30°-60°)	1896.2	29.1			
FH (60°-80°)	952.9	14.6			G1/1800
FVH (80°-90°)	14.0	0.2			G1/100
BL (0°-30°)	395.5	6.1	B1/500		
BM (30°-60°)	1896.2	29.1	B2/2500		
BH (60°-80°)	952.9	14.6	B2/1000		G1/1800
BVH (80°-90°)	14.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0	787.0
2.5°	789.6	789.2	789.6	789.8	788.5	789.2	789.0	790.0	790.5	790.0	790.0
5°	798.7	798.0	798.9	800.0	798.3	798.7	798.0	799.3	799.8	798.9	799.6
7.5°	811.2	811.5	812.3	814.3	813.2	814.1	812.8	813.0	812.8	811.5	811.7
10°	824.9	825.1	826.6	829.2	829.6	829.6	828.8	828.1	827.2	826.4	826.6
12.5°	841.3	842.4	843.5	846.7	846.7	848.4	848.0	846.3	844.8	843.5	843.5
15°	863.6	863.4	864.7	867.9	869.4	872.2	872.2	869.9	867.9	866.6	866.2
17.5°	887.0	887.6	888.5	892.4	894.7	898.0	898.4	896.5	895.2	893.4	892.4
20°	914.2	915.3	918.8	920.3	922.4	925.5	926.5	926.1	924.8	923.9	924.2
22.5°	946.0	948.8	951.0	953.2	955.7	957.9	959.0	960.5	959.2	958.6	958.1
25°	984.5	986.5	990.8	994.7	996.4	997.1	998.4	1000.5	1000.3	998.8	998.8
27.5°	1028.2	1031.9	1037.3	1042.9	1042.9	1040.8	1045.1	1048.8	1047.5	1045.5	1042.9
30°	1081.2	1084.7	1091.0	1098.7	1094.8	1093.3	1099.2	1105.9	1103.9	1100.7	1100.3
32.5°	1138.3	1141.6	1149.8	1158.2	1153.3	1151.1	1157.4	1167.1	1163.6	1157.2	1153.3
35°	1200.2	1203.4	1215.1	1225.3	1216.9	1213.2	1218.4	1229.0	1222.9	1210.8	1207.8
37.5°	1267.5	1269.2	1284.4	1294.7	1288.9	1279.2	1285.7	1293.4	1288.2	1273.5	1267.7
40°	1337.4	1343.6	1361.2	1373.3	1363.1	1347.7	1358.6	1369.4	1361.6	1342.8	1332.8
42.5°	1418.9	1423.7	1447.0	1457.9	1441.4	1419.8	1434.5	1449.2	1441.4	1423.2	1414.6
45°	1503.7	1511.1	1539.0	1549.8	1526.0	1498.5	1516.5	1542.2	1541.6	1515.4	1506.3
47.5°	1596.1	1603.4	1636.8	1651.0	1625.3	1588.5	1613.8	1650.2	1647.6	1618.8	1611.4
50°	1702.7	1710.5	1752.1	1770.0	1746.0	1703.2	1741.2	1773.3	1768.5	1733.0	1733.7
52.5°	1836.6	1836.2	1887.9	1919.1	1894.4	1856.5	1891.6	1922.7	1903.1	1854.0	1852.4
55°	1953.9	1961.0	2025.1	2084.1	2082.6	2068.1	2082.2	2083.5	2027.2	1961.9	1953.9
57.5°	2030.9	2044.5	2134.7	2241.6	2321.7	2340.9	2313.7	2231.0	2099.3	1994.8	1982.0
60°	1983.5	2004.3	2146.0	2363.8	2599.6	2712.8	2559.0	2302.6	2043.2	1897.7	1880.3
62.5°	1663.8	1698.8	1906.3	2304.8	2838.9	3169.7	2736.8	2187.8	1820.4	1619.9	1590.2
65°	1013.3	1050.3	1300.4	1897.0	2800.2	3531.4	2655.7	1815.9	1328.7	1079.3	1047.3
67.5°	337.7	348.5	495.8	1048.6	2200.7	3172.9	2204.4	1087.1	578.3	383.3	372.1
70°	132.2	133.3	157.3	303.9	1039.3	2179.3	1146.8	309.4	164.4	130.0	132.8
72.5°	97.1	97.6	104.3	127.0	270.8	960.1	280.6	127.6	101.5	91.1	91.1
75°	78.1	78.1	82.9	92.6	121.4	220.2	123.1	91.5	79.4	72.7	71.8
77.5°	61.7	63.0	66.6	72.9	82.2	106.0	85.2	72.5	64.0	57.8	56.5
80°	45.9	47.2	53.2	56.2	59.1	73.6	63.0	56.7	50.6	43.3	42.0
82.5°	30.1	31.4	38.9	40.7	40.0	48.0	42.4	41.8	37.2	27.9	26.6
85°	19.7	20.1	26.0	27.0	24.9	21.8	27.0	28.6	26.0	18.2	17.5
87.5°	9.3	9.3	13.2	12.3	11.2	9.1	12.3	14.5	14.7	8.9	8.7
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



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