

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: P402568

Luminaire Tested: **GAN-AF-01-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-01-LED-U-5WQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1293 lumens
Efficiency: N/A
Efficacy: 57.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 0.5' x H: 7')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

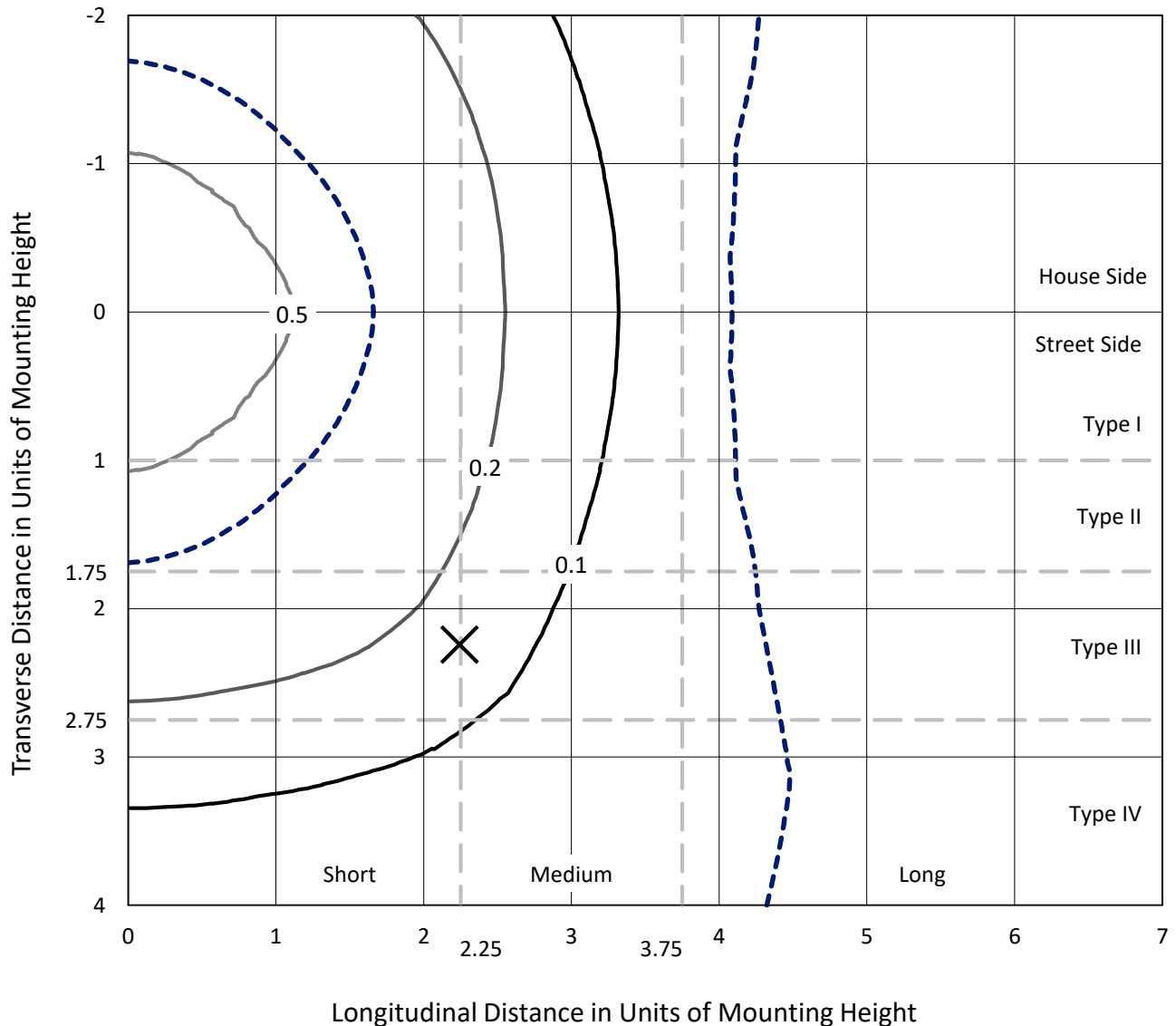
Input Watts (W): 22.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

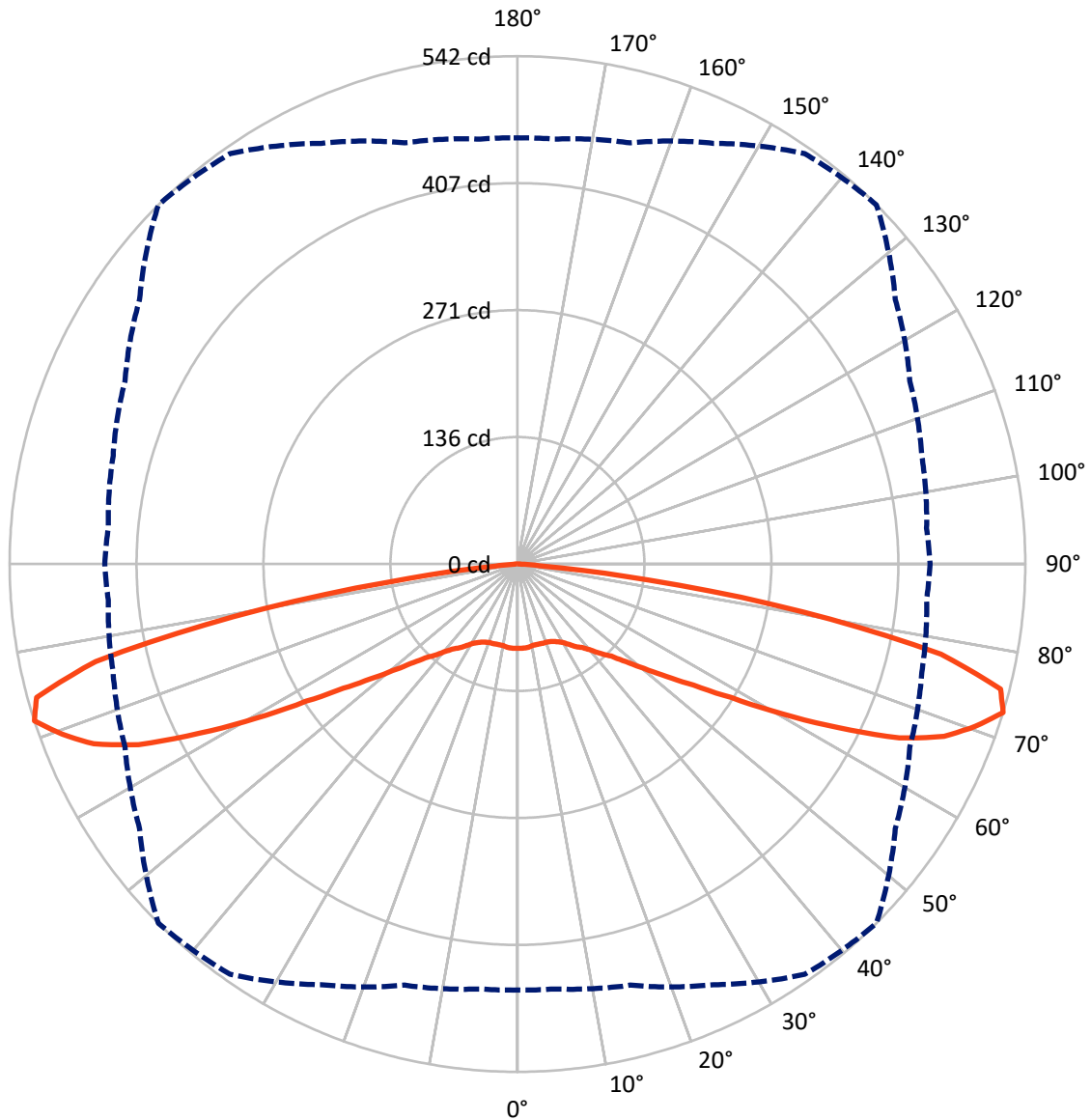
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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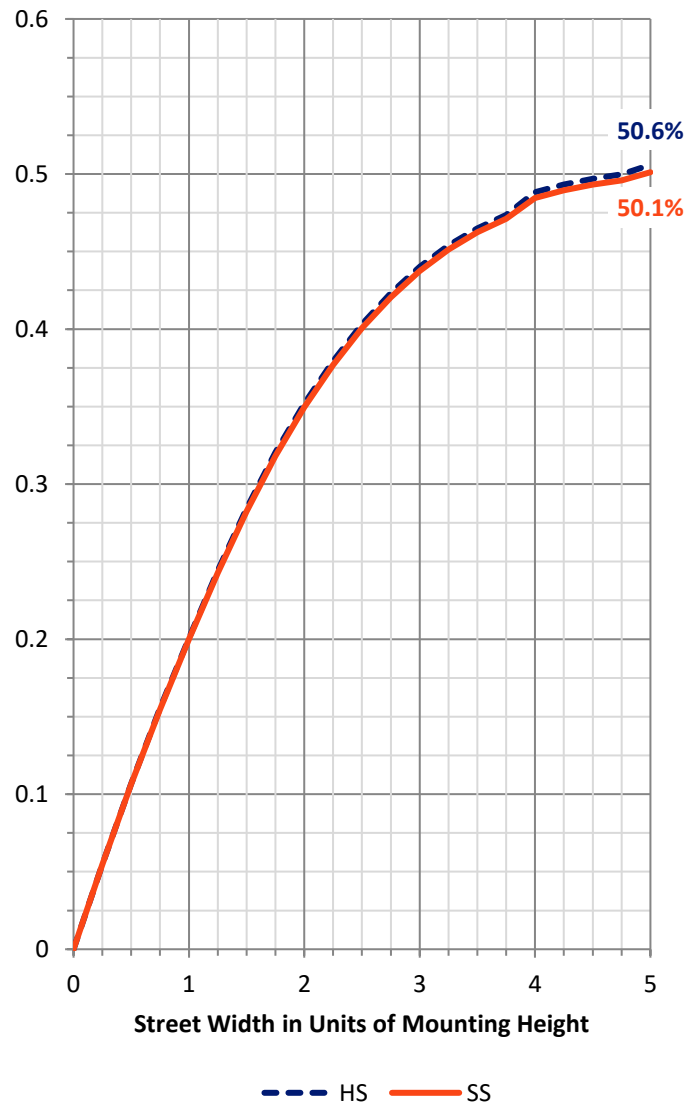
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	646.5	0.0	646.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	646.5	0.0	646.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	1293.0	0.0	1293.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.7
10°-20°	25.4	2.0
20°-30°	43.5	3.4
30°-40°	68.2	5.3
40°-50°	112.9	8.7
50°-60°	208.2	16.1
60°-70°	386.7	29.9
70°-80°	402.6	31.1
80°-90°	37.0	2.9
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°	1293.0	100.0
0°-180°	1293.0	100.0



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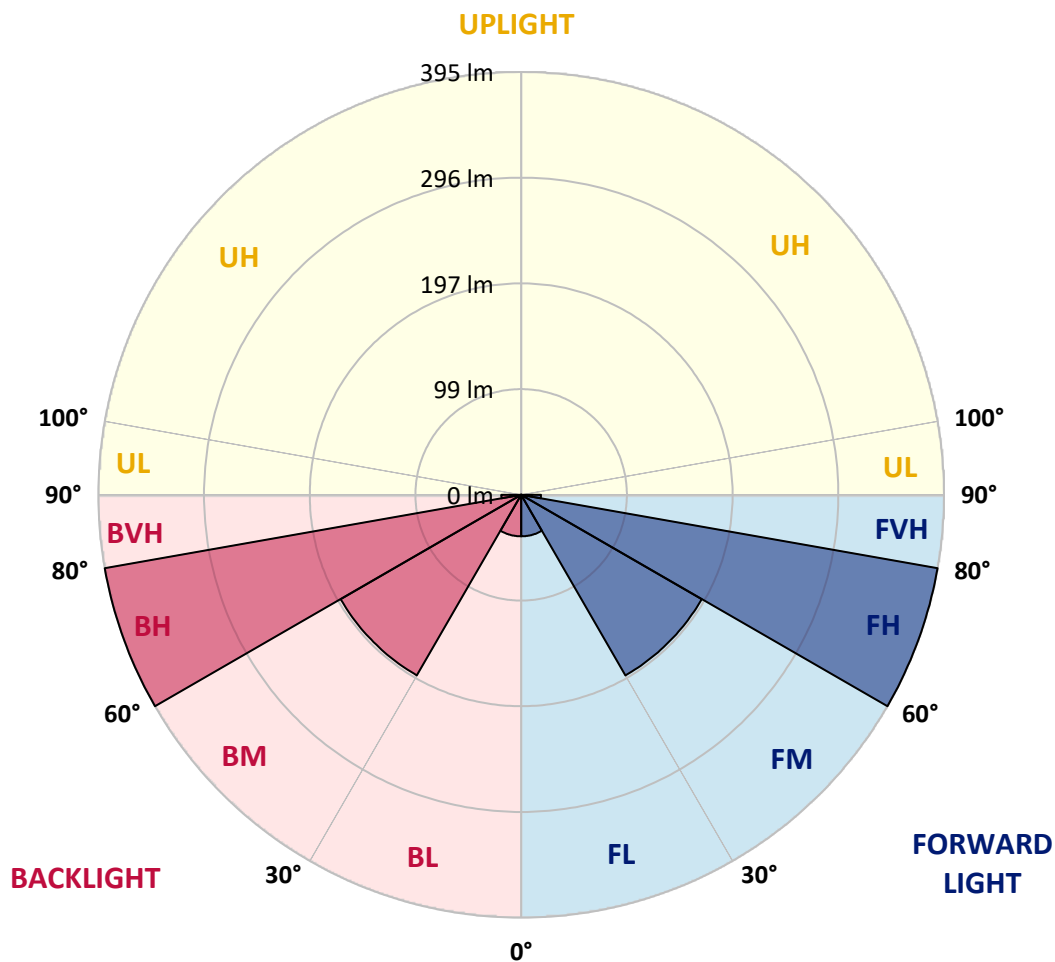
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	38.7	3.0			
FM	(30°-60°)	194.6	15.1			
FH	(60°-80°)	394.6	30.5			G0/660
FVH	(80°-90°)	18.5	1.4			G1/100
BL	(0°-30°)	38.7	3.0	B0/110		
BM	(30°-60°)	194.6	15.1	B0/220		
BH	(60°-80°)	394.6	30.5	B1/500		G0/660
BVH	(80°-90°)	18.5	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2.5°	90.5	90.5	90.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
5°	90.5	90.5	90.5	90.5	90.0	90.0	90.0	89.5	89.5	89.5	90.0
7.5°	90.0	90.5	90.0	90.0	89.5	89.5	88.9	88.9	88.9	88.9	88.9
10°	90.5	90.5	90.0	89.5	88.9	88.4	88.4	88.4	88.4	88.9	88.9
12.5°	91.1	91.1	90.0	88.9	88.9	88.4	88.4	88.4	88.4	88.9	89.5
15°	91.6	91.6	90.5	88.9	88.9	88.4	88.4	88.4	89.5	90.0	90.5
17.5°	92.7	92.1	90.5	89.5	88.9	88.9	88.9	88.9	90.0	91.1	91.1
20°	92.7	92.7	91.1	89.5	89.5	88.9	89.5	89.5	90.5	91.6	92.1
22.5°	94.2	93.7	91.6	90.5	90.0	90.0	90.5	90.5	91.6	92.7	93.2
25°	95.8	95.8	93.7	92.1	91.6	91.6	92.1	92.1	93.2	94.8	95.3
27.5°	99.0	98.5	96.4	94.8	94.2	94.2	95.3	95.3	95.8	97.4	97.9
30°	101.7	101.7	99.5	99.0	97.9	97.4	98.5	99.5	99.5	100.6	101.1
32.5°	103.8	103.8	102.7	102.7	103.2	102.7	103.8	103.2	102.7	103.8	103.8
35°	107.5	107.5	106.4	105.9	108.0	108.5	108.0	106.4	106.4	107.5	108.0
37.5°	113.3	113.3	112.2	111.2	111.7	113.3	111.7	111.2	112.2	113.8	114.4
40°	121.8	122.3	121.2	120.7	119.1	120.7	119.1	120.2	121.8	122.8	122.8
42.5°	131.3	131.8	130.2	129.2	129.7	130.8	128.7	129.2	131.3	132.9	132.9
45°	146.1	145.6	142.9	141.4	139.8	140.3	139.2	141.9	144.0	146.7	147.7
47.5°	160.4	159.9	158.8	157.2	155.1	155.7	155.7	157.8	160.4	163.1	163.1
50°	178.4	178.4	176.8	175.8	174.2	175.2	174.2	176.8	180.0	182.1	182.7
52.5°	199.1	198.5	198.5	198.0	196.9	199.1	197.5	200.7	203.3	203.8	204.9
55°	220.8	222.4	224.5	224.5	226.1	228.2	227.1	227.7	229.8	227.7	228.7
57.5°	248.8	250.4	253.6	257.8	263.1	269.0	265.2	262.6	258.4	255.2	254.7
60°	278.0	279.5	285.9	298.6	311.8	324.5	313.4	301.2	291.7	283.8	283.2
62.5°	309.7	312.4	321.4	340.4	365.8	384.9	367.4	343.6	326.1	314.0	314.5
65°	351.5	353.1	362.7	384.9	424.6	447.9	420.9	389.1	367.4	353.7	354.2
67.5°	414.5	413.5	418.3	439.4	472.3	491.3	459.0	433.1	410.8	395.0	397.6
70°	458.5	458.0	461.1	483.4	515.1	518.8	486.5	457.4	438.9	429.4	429.4
72.5°	454.8	455.3	465.4	495.5	534.7	542.1	492.4	462.2	446.8	438.4	440.5
75°	368.0	369.0	397.6	452.7	518.3	532.6	479.1	428.3	383.8	359.5	355.3
77.5°	176.8	178.4	220.8	311.8	418.3	462.2	414.5	307.6	225.0	182.7	186.9
80°	53.5	55.1	73.1	128.1	239.3	308.7	247.8	126.5	64.6	47.1	47.1
82.5°	11.6	14.3	16.9	28.1	82.6	140.8	82.6	31.2	19.1	13.8	12.7
85°	6.4	6.4	9.5	10.1	13.2	23.3	15.9	12.7	11.1	7.4	7.4
87.5°	2.6	2.6	4.8	4.8	5.3	3.7	5.8	6.4	6.4	3.7	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)