

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: P402576

Luminaire Tested: **GAN-AF-02-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402576
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-02-LED-U-5WQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2442 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

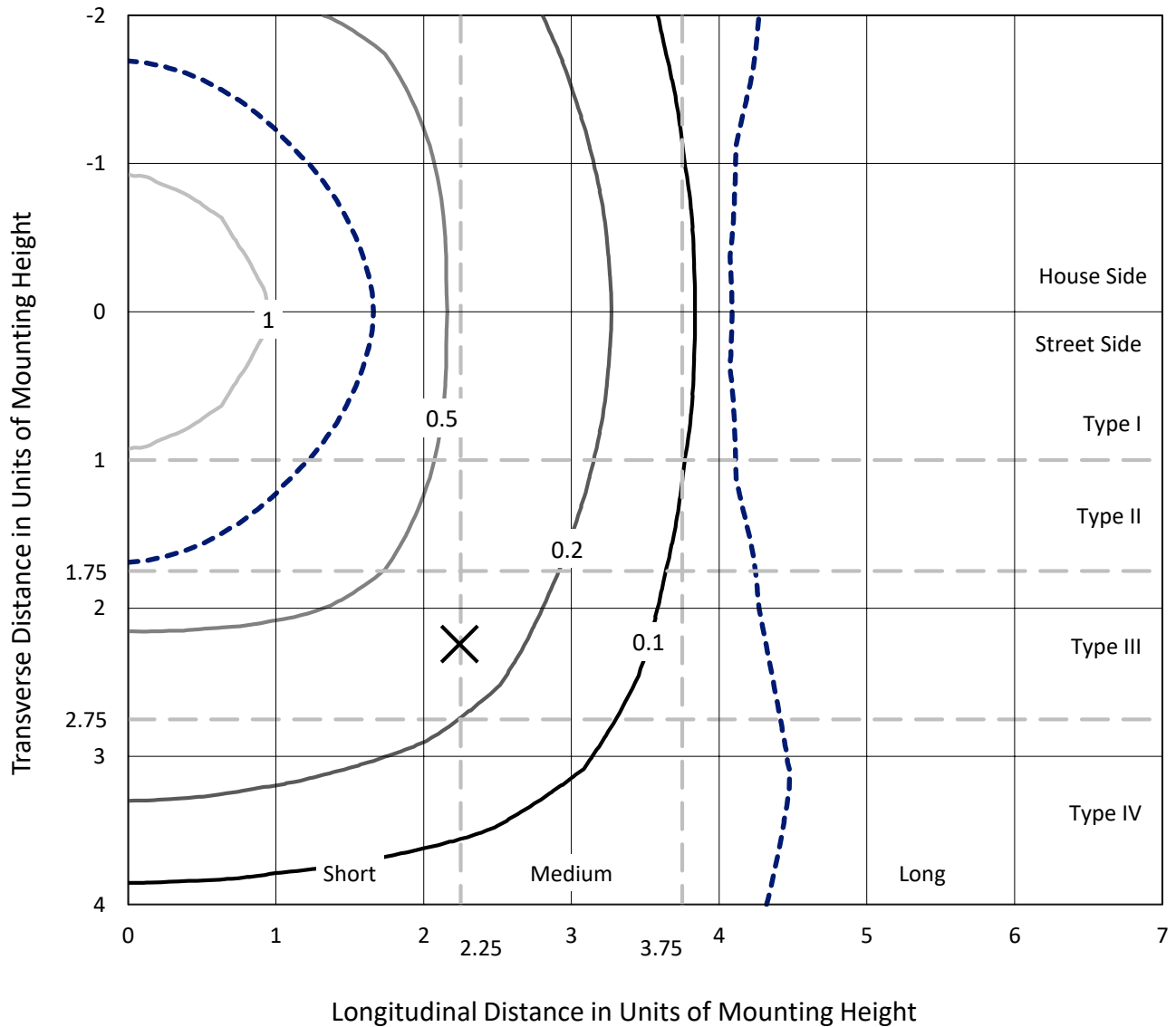
Input Watts (W): 41.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

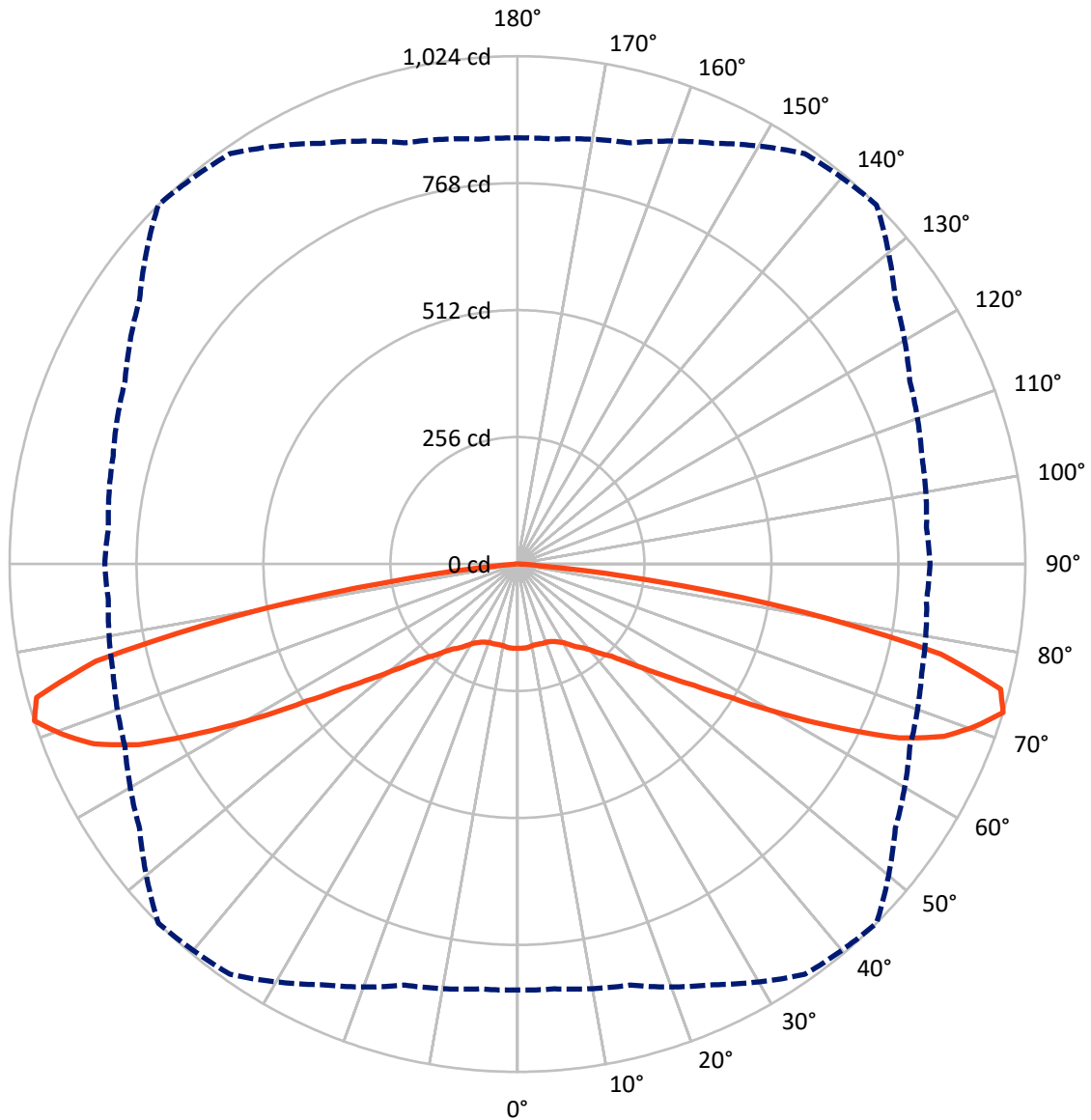
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 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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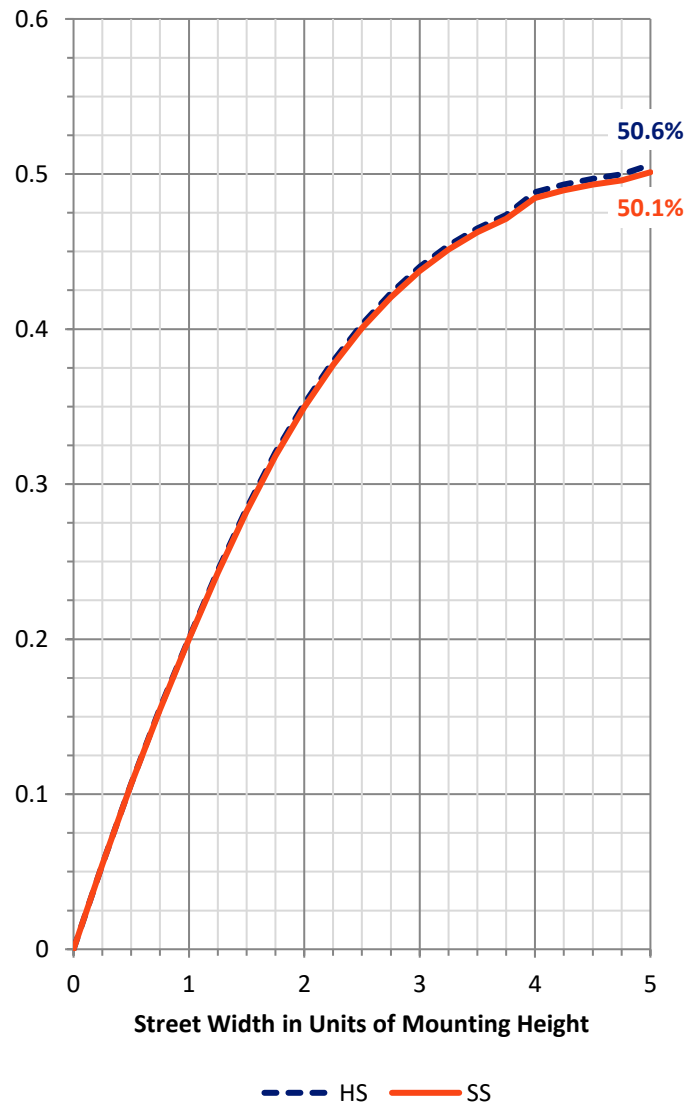
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1221.0	0.0	1221.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1221.0	0.0	1221.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2442.0	0.0	2442.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.7
10°-20°	48.0	2.0
20°-30°	82.2	3.4
30°-40°	128.8	5.3
40°-50°	213.2	8.7
50°-60°	393.2	16.1
60°-70°	730.3	29.9
70°-80°	760.4	31.1
80°-90°	69.9	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°	2442.0	100.0
0°-180°	2442.0	100.0



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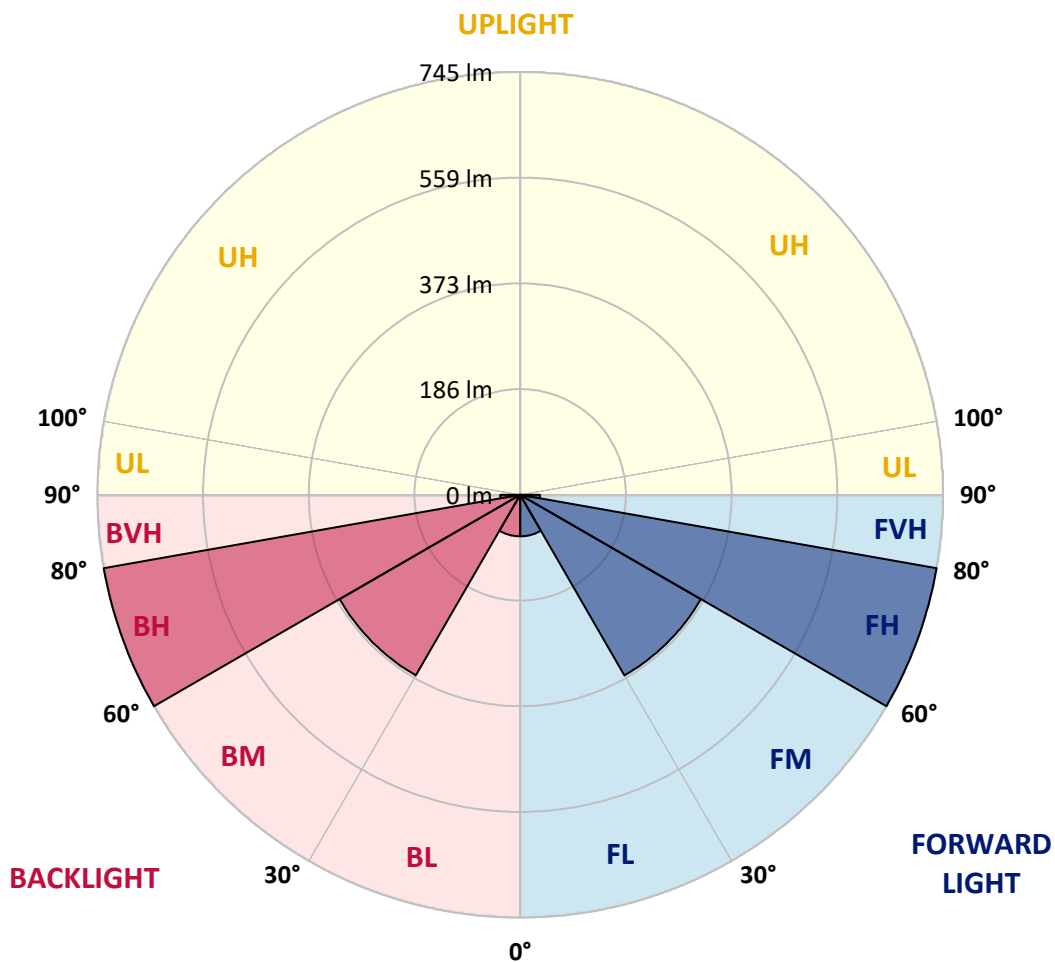
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.1	3.0			
FM (30°-60°)	367.6	15.1			
FH (60°-80°)	745.3	30.5			G1/1800
FVH (80°-90°)	34.9	1.4			G1/100
BL (0°-30°)	73.1	3.0	B0/110		
BM (30°-60°)	367.6	15.1	B1/1000		
BH (60°-80°)	745.3	30.5	B2/1000		G1/1800
BVH (80°-90°)	34.9	1.4			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°	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
2.5°	171.0	171.0	171.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
5°	171.0	171.0	171.0	171.0	170.0	170.0	170.0	169.0	169.0	169.0	170.0
7.5°	170.0	171.0	170.0	170.0	169.0	169.0	168.0	168.0	168.0	168.0	168.0
10°	171.0	171.0	170.0	169.0	168.0	167.0	167.0	167.0	167.0	168.0	168.0
12.5°	172.0	172.0	170.0	168.0	168.0	167.0	167.0	167.0	167.0	168.0	169.0
15°	173.0	173.0	171.0	168.0	168.0	167.0	167.0	167.0	169.0	170.0	171.0
17.5°	175.0	174.0	171.0	169.0	168.0	168.0	168.0	168.0	170.0	172.0	172.0
20°	175.0	175.0	172.0	169.0	169.0	168.0	169.0	169.0	171.0	173.0	174.0
22.5°	178.0	177.0	173.0	171.0	170.0	170.0	171.0	171.0	173.0	175.0	176.0
25°	181.0	181.0	177.0	174.0	173.0	173.0	174.0	174.0	176.0	179.0	180.0
27.5°	187.0	186.0	182.0	179.0	178.0	178.0	180.0	180.0	181.0	184.0	185.0
30°	192.0	192.0	188.0	187.0	185.0	184.0	186.0	188.0	188.0	190.0	191.0
32.5°	196.0	196.0	194.0	194.0	195.0	194.0	196.0	195.0	194.0	196.0	196.0
35°	203.0	203.0	201.0	200.0	204.0	205.0	204.0	201.0	201.0	203.0	204.0
37.5°	214.0	214.0	212.0	210.0	211.0	214.0	211.0	210.0	212.0	215.0	216.0
40°	230.0	231.0	229.0	228.0	225.0	228.0	225.0	227.0	230.0	232.0	232.0
42.5°	248.0	249.0	246.0	244.0	245.0	247.0	243.0	244.0	248.0	251.0	251.0
45°	276.0	275.0	270.0	267.0	264.0	265.0	263.0	268.0	272.0	277.0	279.0
47.5°	303.0	302.0	300.0	297.0	293.0	294.0	294.0	298.0	303.0	308.0	308.0
50°	337.0	337.0	334.0	332.0	329.0	331.0	329.0	334.0	340.0	344.0	345.0
52.5°	376.0	375.0	375.0	374.0	372.0	376.0	373.0	379.0	384.0	385.0	387.0
55°	417.0	420.0	424.0	424.0	427.0	431.0	429.0	430.0	434.0	430.0	432.0
57.5°	470.0	473.0	479.0	487.0	497.0	508.0	501.0	496.0	488.0	482.0	481.0
60°	525.0	527.9	539.9	563.9	588.9	612.9	591.9	568.9	550.9	535.9	534.9
62.5°	584.9	589.9	606.9	642.9	690.9	726.9	693.9	648.9	615.9	592.9	593.9
65°	663.9	666.9	684.9	726.9	801.9	845.9	794.9	734.9	693.9	667.9	668.9
67.5°	782.9	780.9	789.9	829.9	891.9	927.9	866.9	817.9	775.9	745.9	750.9
70°	865.9	864.9	870.9	912.9	972.9	979.9	918.9	863.9	828.9	810.9	810.9
72.5°	858.9	859.9	878.9	935.9	1009.9	1023.9	929.9	872.9	843.9	827.9	831.9
75°	694.9	696.9	750.9	854.9	978.9	1005.9	904.9	808.9	724.9	678.9	670.9
77.5°	334.0	337.0	417.0	588.9	789.9	872.9	782.9	580.9	425.0	345.0	353.0
80°	101.0	104.0	138.0	242.0	452.0	582.9	468.0	239.0	122.0	89.0	89.0
82.5°	22.0	27.0	32.0	53.0	156.0	266.0	156.0	59.0	36.0	26.0	24.0
85°	12.0	12.0	18.0	19.0	25.0	44.0	30.0	24.0	21.0	14.0	14.0
87.5°	5.0	5.0	9.0	9.0	10.0	7.0	11.0	12.0	12.0	7.0	7.0
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)