

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: P402584

Luminaire Tested: **GAN-AF-03-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402584
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-03-LED-U-5WQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 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: 3537 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G1

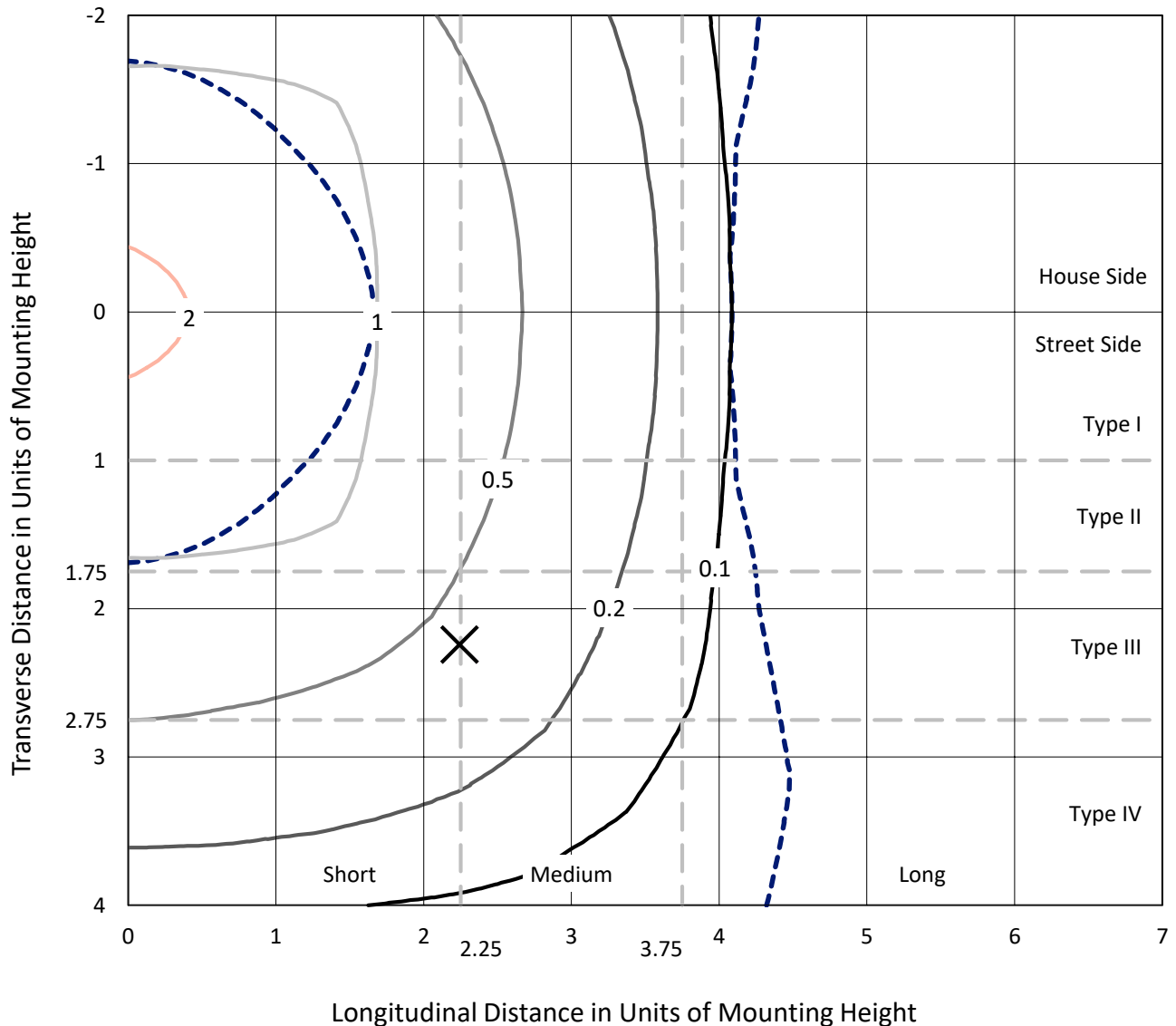
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

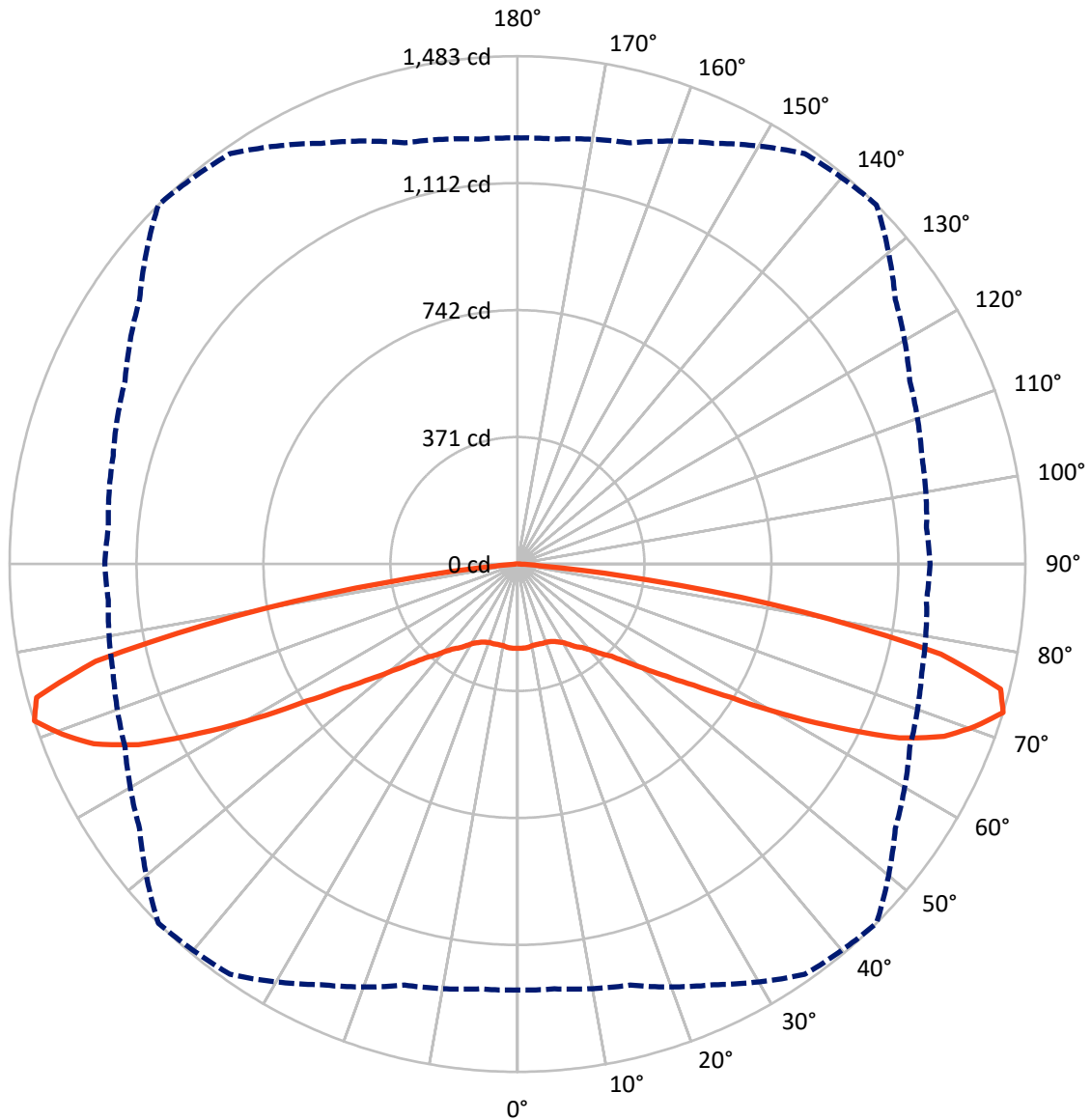
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.5 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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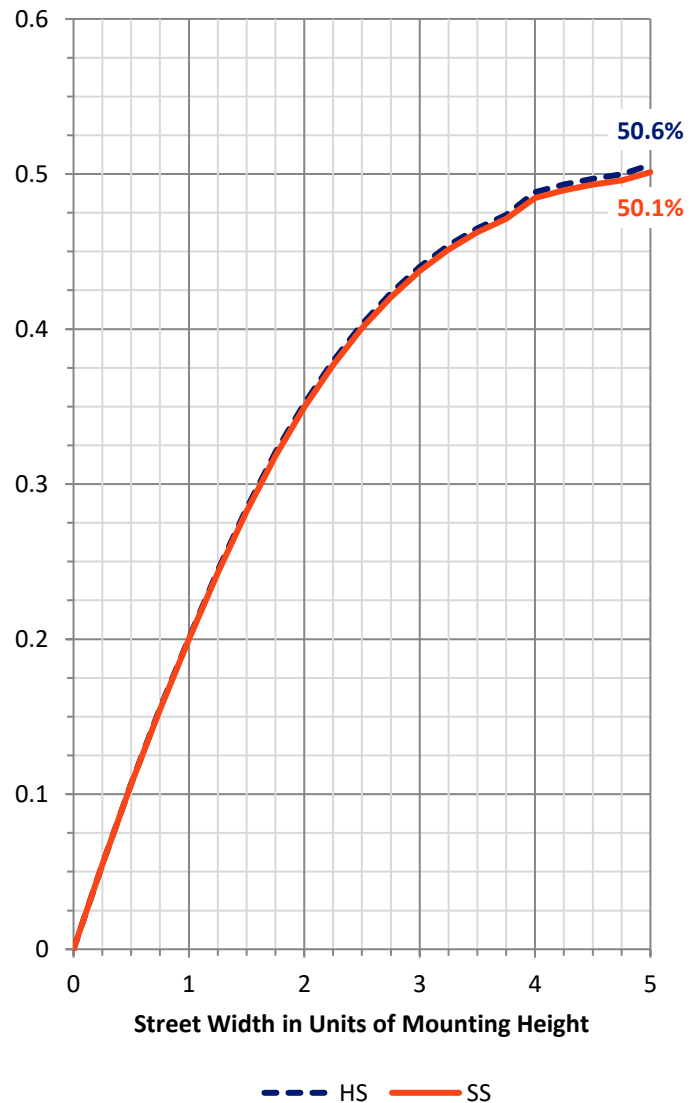
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1768.5	0.0	1768.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1768.5	0.0	1768.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3537.0	0.0	3537.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.7
10°-20°	69.5	2.0
20°-30°	119.0	3.4
30°-40°	186.6	5.3
40°-50°	308.8	8.7
50°-60°	569.4	16.1
60°-70°	1057.8	29.9
70°-80°	1101.3	31.1
80°-90°	101.2	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°	3537.0	100.0
0°-180°	3537.0	100.0



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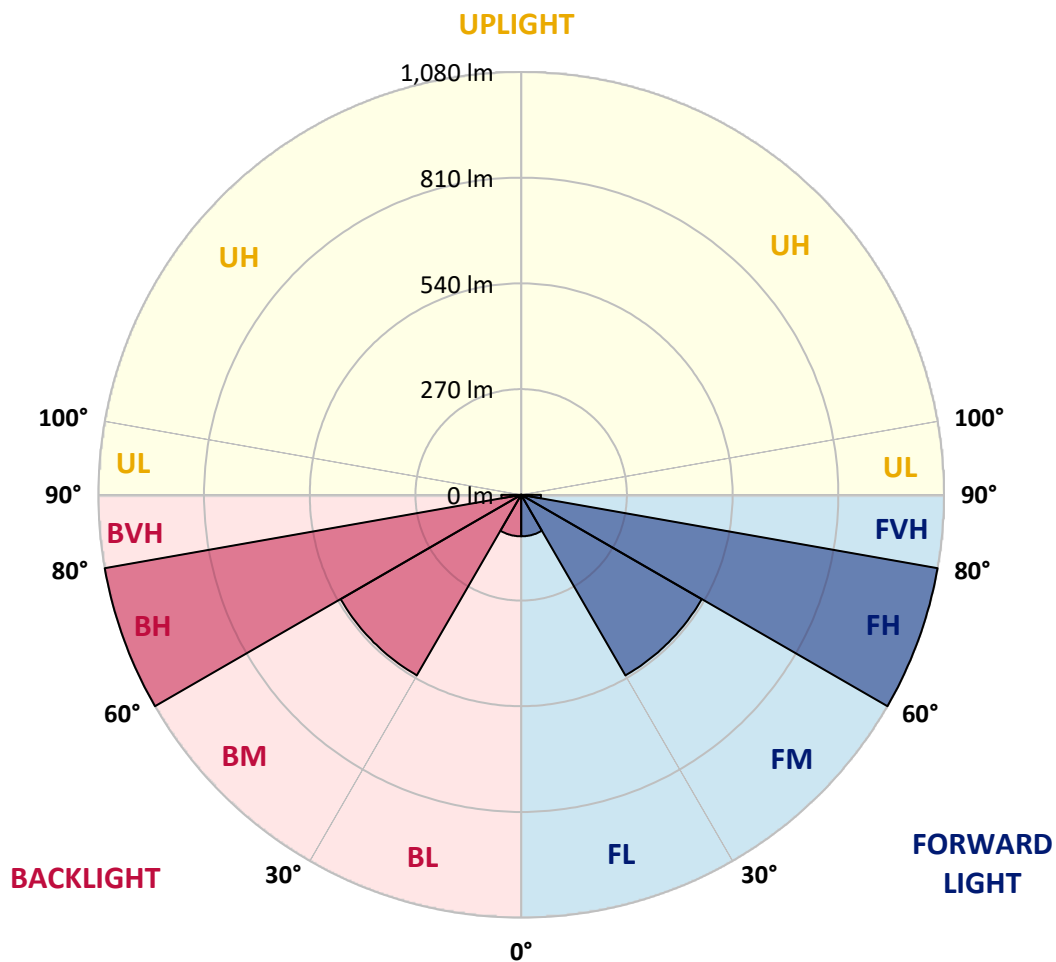
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	105.9	3.0			
FM	(30°-60°)	532.4	15.1			
FH	(60°-80°)	1079.5	30.5			G1/1800
FVH	(80°-90°)	50.6	1.4			G1/100
BL	(0°-30°)	105.9	3.0	B0/110		
BM	(30°-60°)	532.4	15.1	B1/1000		
BH	(60°-80°)	1079.5	30.5	B3/2500		G1/1800
BVH	(80°-90°)	50.6	1.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2
2.5°	247.7	247.7	247.7	246.2	246.2	246.2	246.2	246.2	246.2	246.2	246.2
5°	247.7	247.7	247.7	247.7	246.2	246.2	246.2	244.8	244.8	244.8	246.2
7.5°	246.2	247.7	246.2	246.2	244.8	244.8	243.3	243.3	243.3	243.3	243.3
10°	247.7	247.7	246.2	244.8	243.3	241.9	241.9	241.9	241.9	243.3	243.3
12.5°	249.1	249.1	246.2	243.3	243.3	241.9	241.9	241.9	241.9	243.3	244.8
15°	250.5	250.5	247.7	243.3	243.3	241.9	241.9	241.9	244.8	246.2	247.7
17.5°	253.4	252.0	247.7	244.8	243.3	243.3	243.3	243.3	246.2	249.1	249.1
20°	253.4	253.4	249.1	244.8	244.8	243.3	244.8	244.8	247.7	250.5	252.0
22.5°	257.8	256.3	250.5	247.7	246.2	246.2	247.7	247.7	250.5	253.4	254.9
25°	262.1	262.1	256.3	252.0	250.5	250.5	252.0	252.0	254.9	259.2	260.7
27.5°	270.8	269.4	263.6	259.2	257.8	257.8	260.7	260.7	262.1	266.5	267.9
30°	278.1	278.1	272.3	270.8	267.9	266.5	269.4	272.3	272.3	275.2	276.6
32.5°	283.9	283.9	281.0	281.0	282.4	281.0	283.9	282.4	281.0	283.9	283.9
35°	294.0	294.0	291.1	289.7	295.4	296.9	295.4	291.1	291.1	294.0	295.4
37.5°	309.9	309.9	307.0	304.1	305.6	309.9	305.6	304.1	307.0	311.4	312.8
40°	333.1	334.5	331.7	330.2	325.9	330.2	325.9	328.8	333.1	336.0	336.0
42.5°	359.2	360.6	356.3	353.4	354.8	357.7	351.9	353.4	359.2	363.5	363.5
45°	399.7	398.3	391.0	386.7	382.3	383.8	380.9	388.1	393.9	401.2	404.1
47.5°	438.8	437.4	434.5	430.1	424.3	425.8	425.8	431.6	438.8	446.1	446.1
50°	488.1	488.1	483.7	480.8	476.5	479.4	476.5	483.7	492.4	498.2	499.7
52.5°	544.5	543.1	543.1	541.7	538.8	544.5	540.2	548.9	556.1	557.6	560.5
55°	603.9	608.3	614.1	614.1	618.4	624.2	621.3	622.8	628.5	622.8	625.7
57.5°	680.7	685.0	693.7	705.3	719.8	735.7	725.6	718.3	706.8	698.1	696.6
60°	760.3	764.7	782.1	816.8	853.0	887.8	857.4	824.1	798.0	776.3	774.8
62.5°	847.2	854.5	879.1	931.2	1000.8	1052.9	1005.1	939.9	892.1	858.8	860.3
65°	961.6	966.0	992.1	1052.9	1161.5	1225.2	1151.4	1064.5	1005.1	967.4	968.9
67.5°	1134.0	1131.1	1144.1	1202.1	1291.9	1344.0	1255.6	1184.7	1123.9	1080.4	1087.6
70°	1254.2	1252.7	1261.4	1322.3	1409.2	1419.3	1331.0	1251.3	1200.6	1174.5	1174.5
72.5°	1244.1	1245.5	1273.0	1355.6	1462.7	1483.0	1346.9	1264.3	1222.3	1199.2	1205.0
75°	1006.5	1009.4	1087.6	1238.3	1417.9	1457.0	1310.7	1171.6	1050.0	983.4	971.8
77.5°	483.7	488.1	603.9	853.0	1144.1	1264.3	1134.0	841.4	615.5	499.7	511.2
80°	146.3	150.6	199.9	350.5	654.6	844.3	677.8	346.1	176.7	128.9	128.9
82.5°	31.9	39.1	46.3	76.8	225.9	385.2	225.9	85.4	52.1	37.7	34.8
85°	17.4	17.4	26.1	27.5	36.2	63.7	43.4	34.8	30.4	20.3	20.3
87.5°	7.2	7.2	13.0	13.0	14.5	10.1	15.9	17.4	17.4	10.1	10.1
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)