

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: P402592

Luminaire Tested: **GAN-AF-04-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402592
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-04-LED-U-5WQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 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: 4412 lumens
Efficiency: N/A
Efficacy: 55.2 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

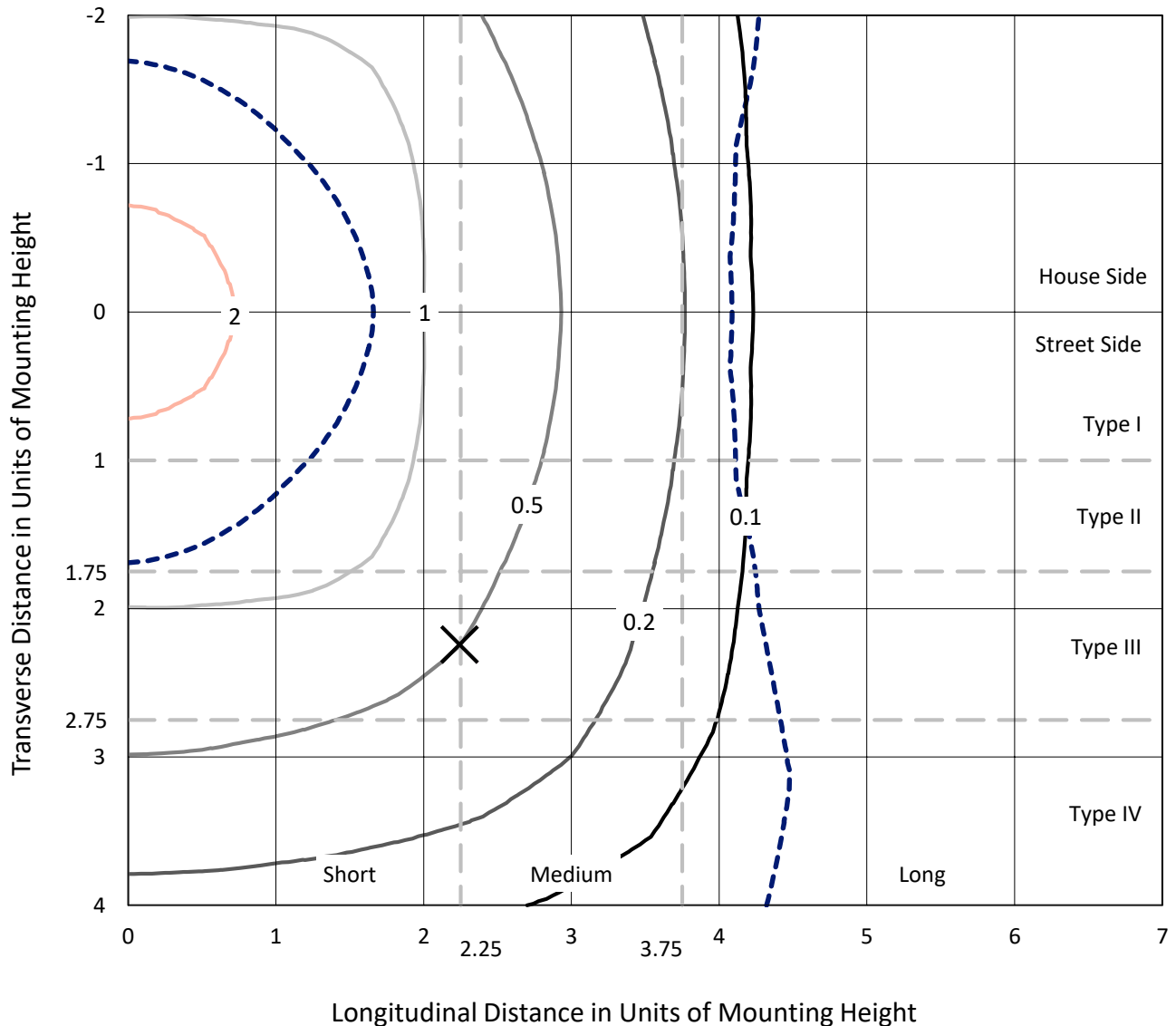
Input Watts (W): 79.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

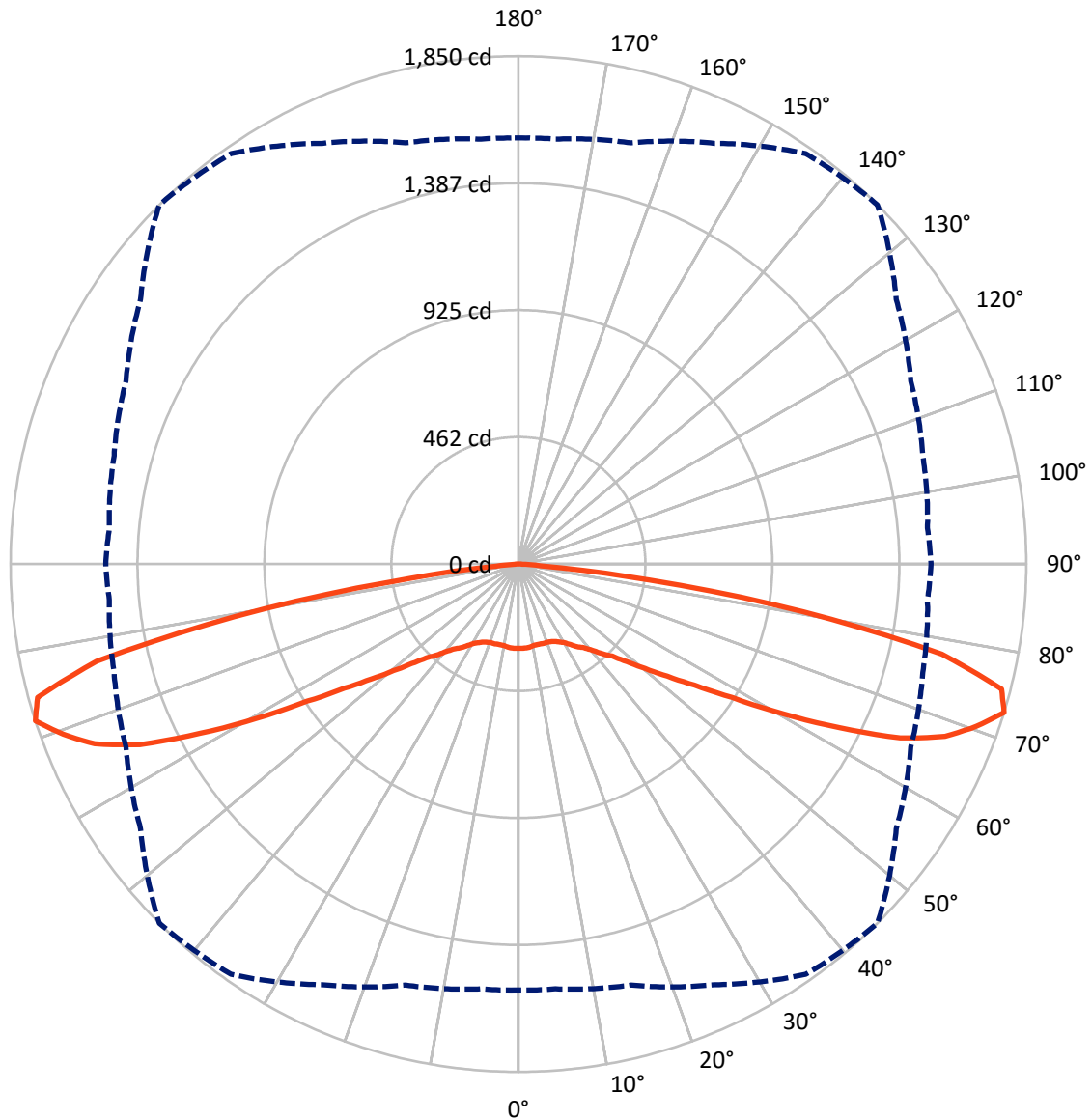
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.1 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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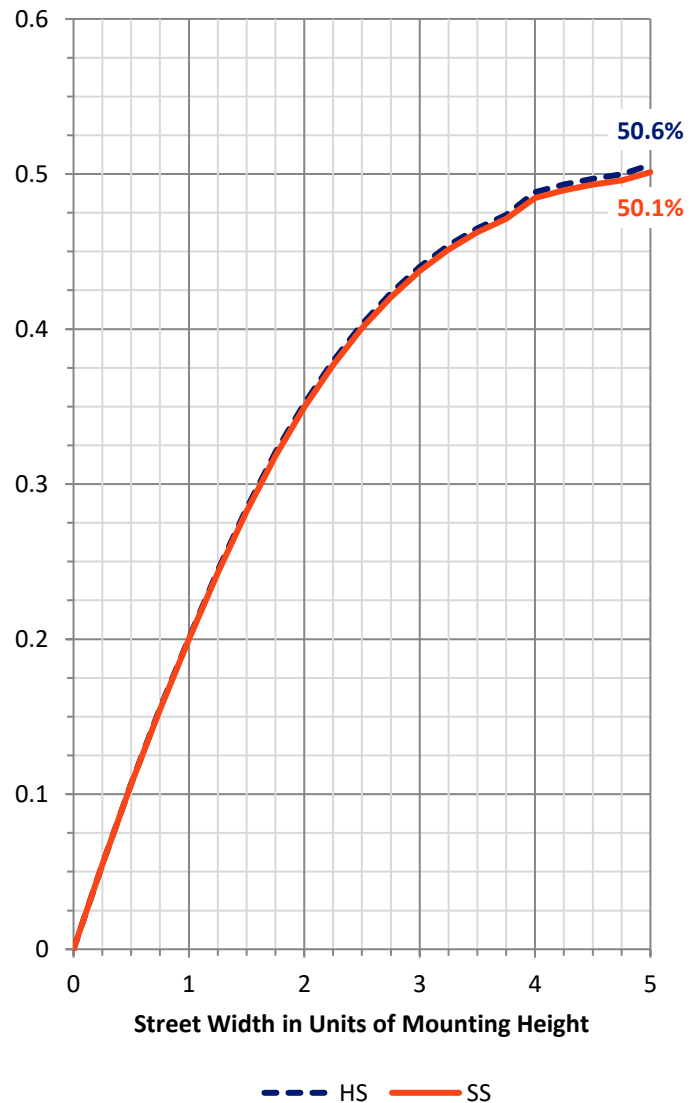
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2206.0	0.0	2206.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2206.0	0.0	2206.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4412.0	0.0	4412.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.2	0.7
10°-20°	86.7	2.0
20°-30°	148.4	3.4
30°-40°	232.8	5.3
40°-50°	385.2	8.7
50°-60°	710.3	16.1
60°-70°	1319.4	29.9
70°-80°	1373.8	31.1
80°-90°	126.2	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°	4412.0	100.0
0°-180°	4412.0	100.0



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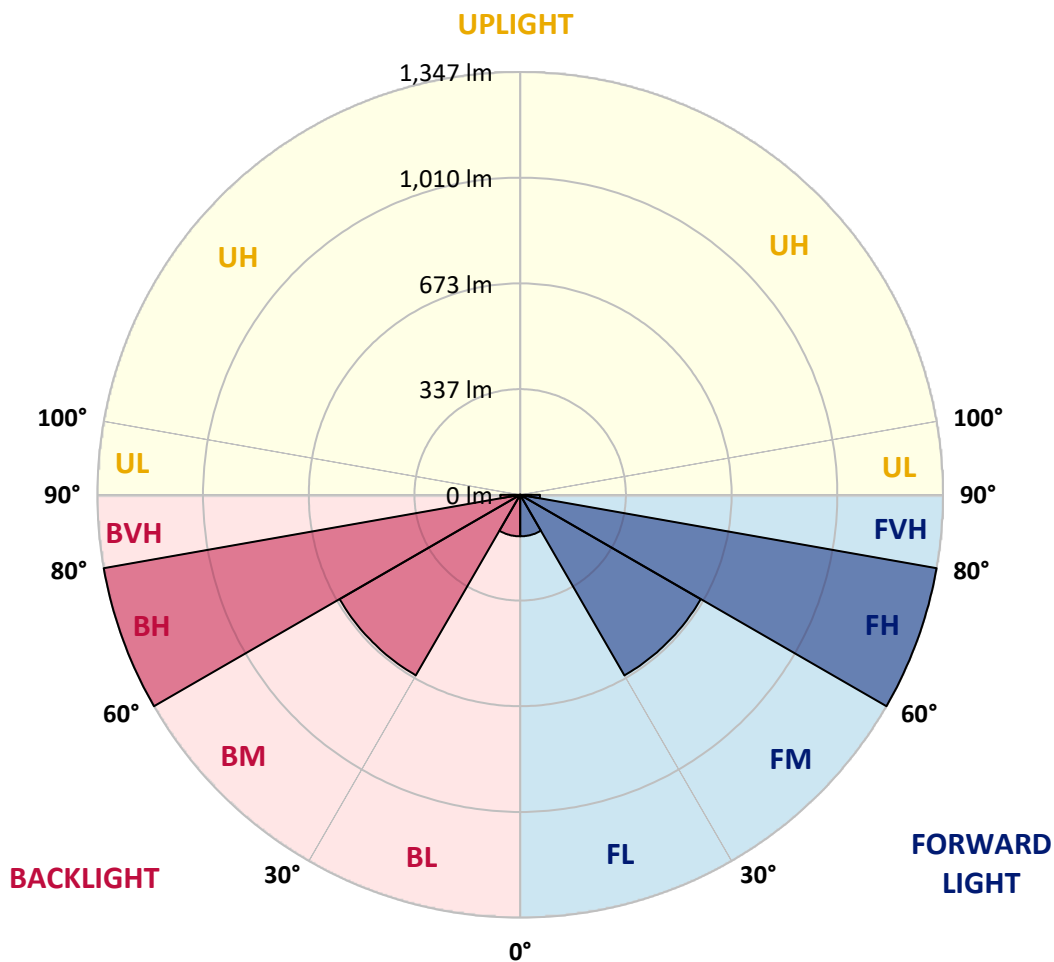
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.1	3.0			
FM	(30°-60°)	664.1	15.1			
FH	(60°-80°)	1346.6	30.5			G1/1800
FVH	(80°-90°)	63.1	1.4			G1/100
BL	(0°-30°)	132.1	3.0	B1/500		
BM	(30°-60°)	664.1	15.1	B1/1000		
BH	(60°-80°)	1346.6	30.5	B3/2500		G1/1800
BVH	(80°-90°)	63.1	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°	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
2.5°	308.9	308.9	308.9	307.1	307.1	307.1	307.1	307.1	307.1	307.1	307.1
5°	308.9	308.9	308.9	308.9	307.1	307.1	307.1	305.3	305.3	305.3	307.1
7.5°	307.1	308.9	307.1	307.1	305.3	305.3	303.5	303.5	303.5	303.5	303.5
10°	308.9	308.9	307.1	305.3	303.5	301.7	301.7	301.7	301.7	303.5	303.5
12.5°	310.7	310.7	307.1	303.5	303.5	301.7	301.7	301.7	301.7	303.5	305.3
15°	312.5	312.5	308.9	303.5	303.5	301.7	301.7	301.7	305.3	307.1	308.9
17.5°	316.1	314.3	308.9	305.3	303.5	303.5	303.5	303.5	307.1	310.7	310.7
20°	316.1	316.1	310.7	305.3	305.3	303.5	305.3	305.3	308.9	312.5	314.3
22.5°	321.6	319.8	312.5	308.9	307.1	307.1	308.9	308.9	312.5	316.1	318.0
25°	327.0	327.0	319.8	314.3	312.5	312.5	314.3	314.3	318.0	323.4	325.2
27.5°	337.8	336.0	328.8	323.4	321.6	321.6	325.2	325.2	327.0	332.4	334.2
30°	346.9	346.9	339.6	337.8	334.2	332.4	336.0	339.6	339.6	343.2	345.0
32.5°	354.1	354.1	350.5	350.5	352.3	350.5	354.1	352.3	350.5	354.1	354.1
35°	366.7	366.7	363.1	361.3	368.5	370.3	368.5	363.1	363.1	366.7	368.5
37.5°	386.6	386.6	383.0	379.4	381.2	386.6	381.2	379.4	383.0	388.4	390.2
40°	415.5	417.3	413.7	411.9	406.5	411.9	406.5	410.1	415.5	419.1	419.1
42.5°	448.0	449.8	444.4	440.8	442.6	446.2	439.0	440.8	448.0	453.4	453.4
45°	498.6	496.8	487.8	482.3	476.9	478.7	475.1	484.2	491.4	500.4	504.0
47.5°	547.4	545.6	542.0	536.5	529.3	531.1	531.1	538.4	547.4	556.4	556.4
50°	608.8	608.8	603.4	599.8	594.4	598.0	594.4	603.4	614.2	621.5	623.3
52.5°	679.3	677.5	677.5	675.6	672.0	679.3	673.8	684.7	693.7	695.5	699.1
55°	753.3	758.7	766.0	766.0	771.4	778.6	775.0	776.8	784.0	776.8	780.4
57.5°	849.1	854.5	865.3	879.8	897.9	917.7	905.1	896.0	881.6	870.8	868.9
60°	948.4	953.9	975.5	1018.9	1064.1	1107.4	1069.5	1027.9	995.4	968.3	966.5
62.5°	1056.8	1065.9	1096.6	1161.6	1248.3	1313.4	1253.7	1172.4	1112.8	1071.3	1073.1
65°	1199.5	1205.0	1237.5	1313.4	1448.8	1528.3	1436.2	1327.8	1253.7	1206.8	1208.6
67.5°	1414.5	1410.9	1427.2	1499.4	1611.4	1676.5	1566.3	1477.8	1401.9	1347.7	1356.7
70°	1564.5	1562.7	1573.5	1649.4	1757.8	1770.4	1660.2	1560.9	1497.6	1465.1	1465.1
72.5°	1551.8	1553.6	1588.0	1690.9	1824.6	1849.9	1680.1	1577.1	1524.7	1495.8	1503.0
75°	1255.5	1259.2	1356.7	1544.6	1768.6	1817.4	1634.9	1461.5	1309.7	1226.6	1212.2
77.5°	603.4	608.8	753.3	1064.1	1427.2	1577.1	1414.5	1049.6	767.8	623.3	637.7
80°	182.5	187.9	249.3	437.2	816.6	1053.2	845.5	431.8	220.4	160.8	160.8
82.5°	39.7	48.8	57.8	95.7	281.8	480.5	281.8	106.6	65.0	47.0	43.4
85°	21.7	21.7	32.5	34.3	45.2	79.5	54.2	43.4	37.9	25.3	25.3
87.5°	9.0	9.0	16.3	16.3	18.1	12.6	19.9	21.7	21.7	12.6	12.6
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)