

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: P459608

Luminaire Tested: **GAN-SA3A-AMB-U-5MQ**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-AMB-U-5MQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(3) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3551 lumens
Efficiency: N/A
Efficacy: 58.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

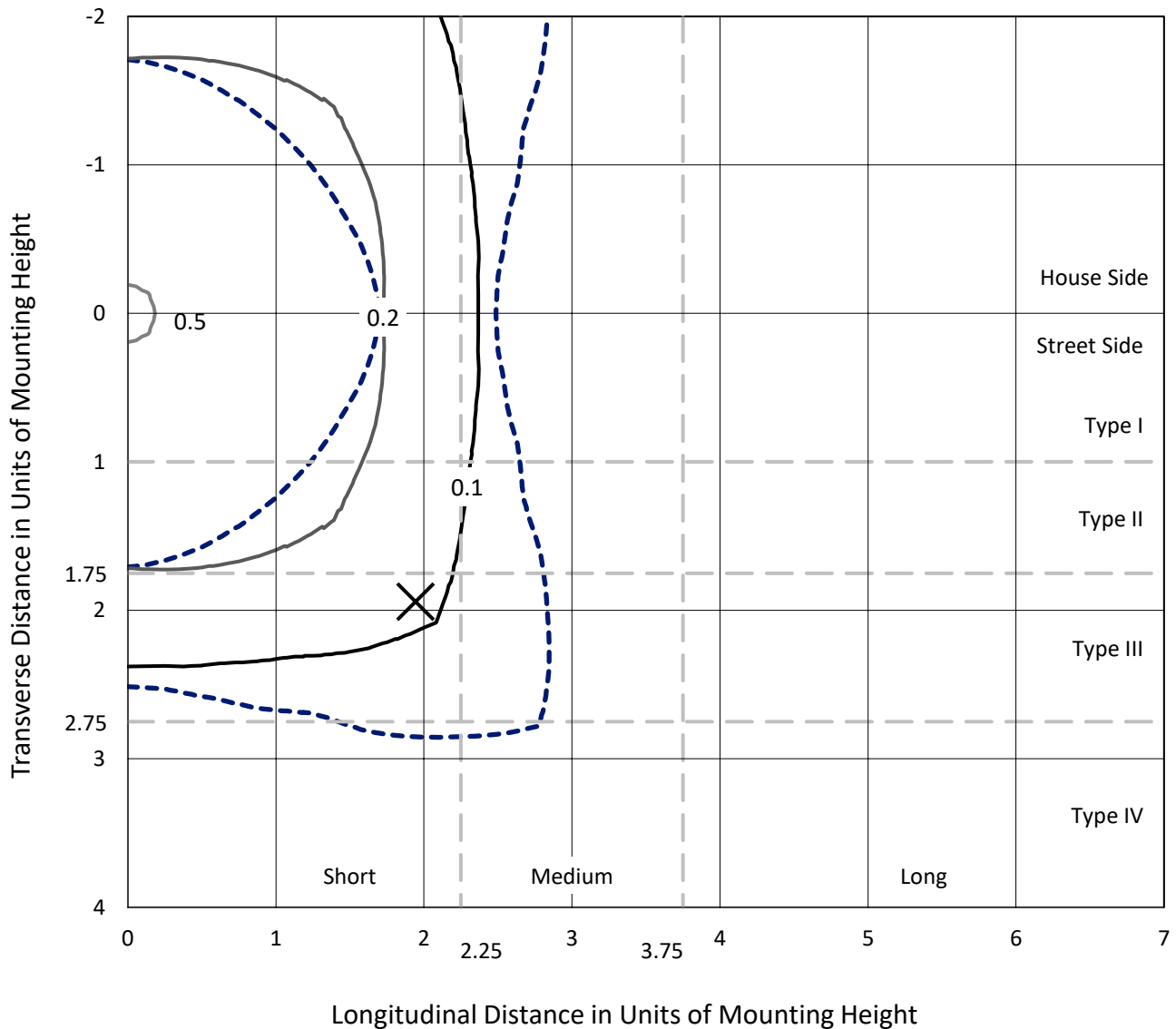
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

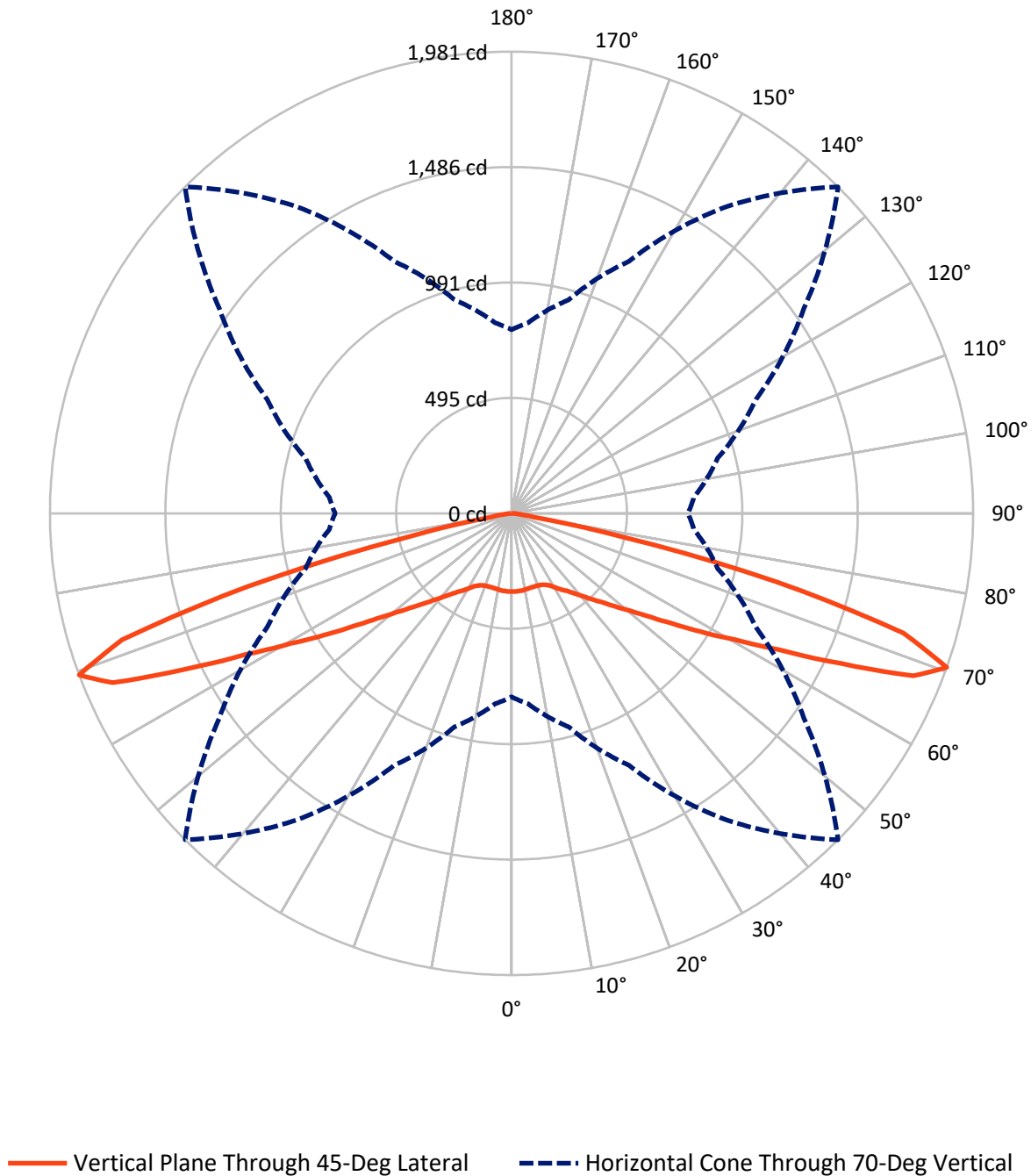
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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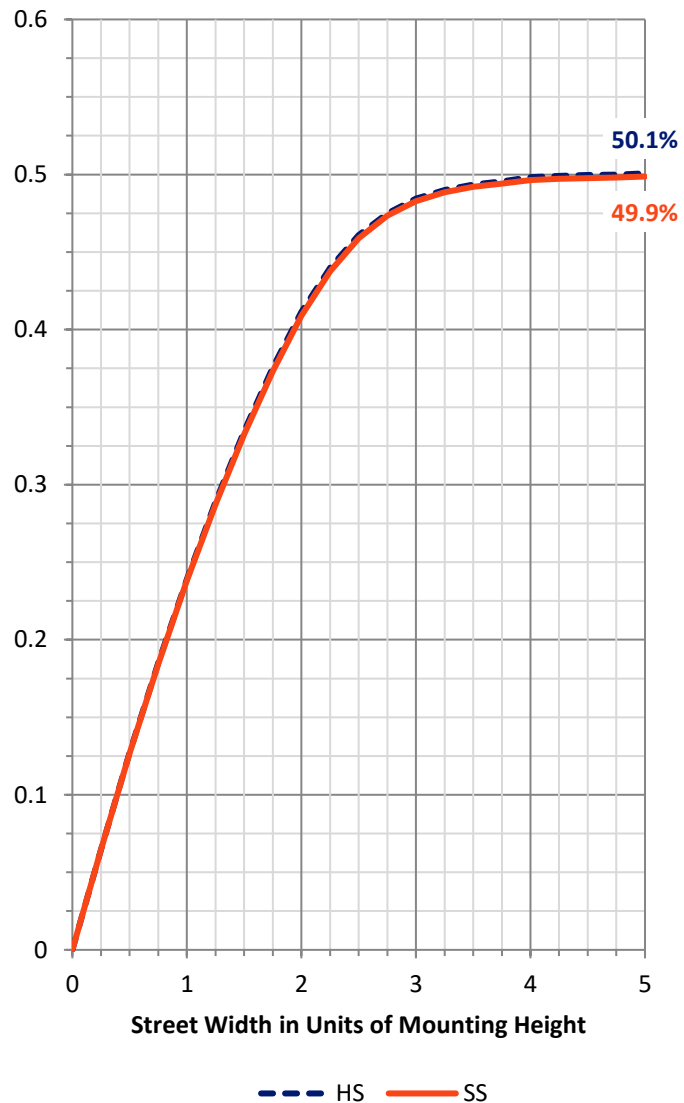
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1775.5	0.0	1775.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1775.5	0.0	1775.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3551.0	0.0	3551.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.9	0.9
10°-20°	92.7	2.6
20°-30°	157.1	4.4
30°-40°	257.5	7.3
40°-50°	430.6	12.1
50°-60°	756.0	21.3
60°-70°	1242.0	35.0
70°-80°	559.9	15.8
80°-90°	23.3	0.7
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°	3551.0	100.0
0°-180°	3551.0	100.0

Coefficient of Utilization



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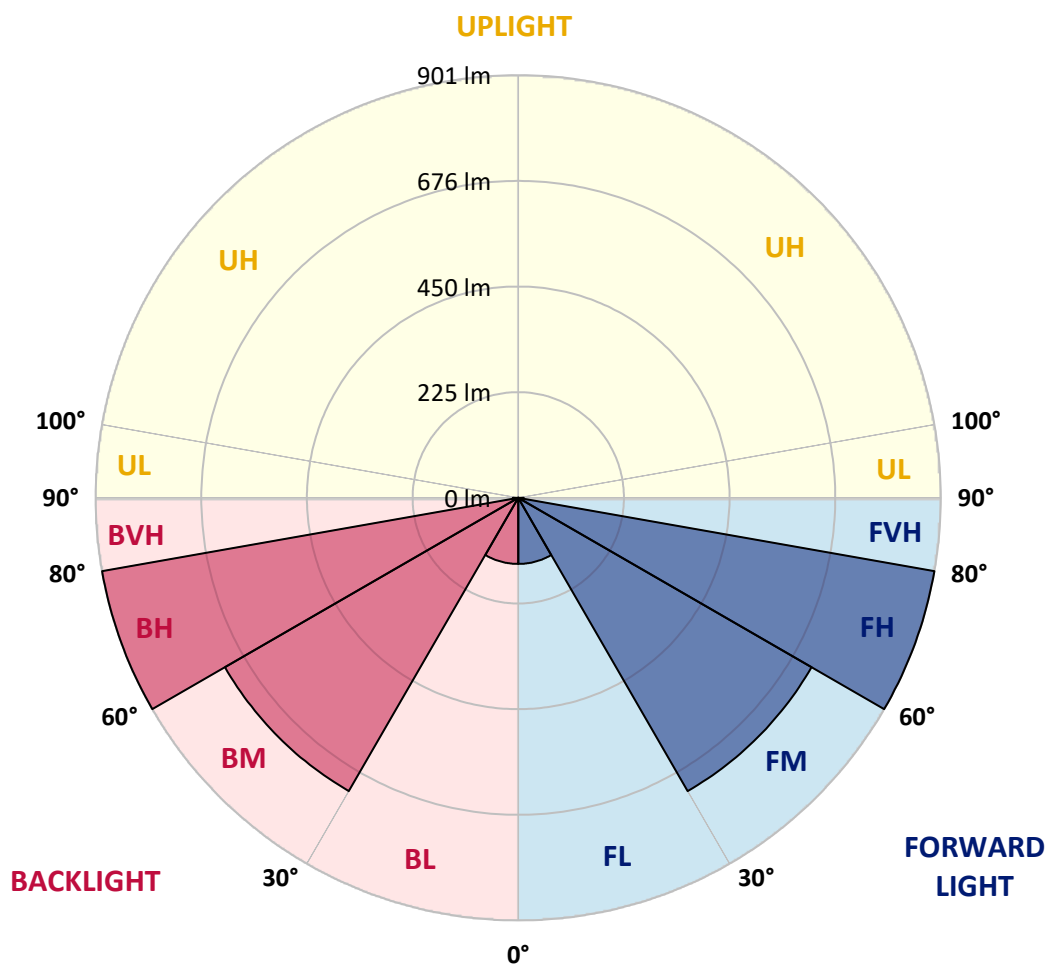
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	140.9	4.0			
FM	(30°-60°)	722.1	20.3			
FH	(60°-80°)	900.9	25.4			G1/1800
FVH	(80°-90°)	11.6	0.3			G1/100
BL	(0°-30°)	140.9	4.0	B1/500		
BM	(30°-60°)	722.1	20.3	B1/1000		
BH	(60°-80°)	900.9	25.4	B2/1000		G1/1800
BVH	(80°-90°)	11.6	0.3			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



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0	336.0
2.5°	337.4	337.4	337.4	337.4	336.0	336.0	336.0	336.0	336.0	336.0	336.0
5°	337.4	337.4	337.4	336.0	336.0	334.5	336.0	334.5	334.5	334.5	336.0
7.5°	337.4	337.4	337.4	336.0	336.0	334.5	334.5	333.1	333.1	333.1	333.1
10°	333.1	333.1	333.1	333.1	333.1	331.6	331.6	330.2	330.2	330.2	330.2
12.5°	328.8	330.2	328.8	328.8	330.2	330.2	328.8	327.3	325.9	325.9	327.3
15°	325.9	325.9	325.9	325.9	328.8	328.8	328.8	325.9	324.4	324.4	324.4
17.5°	323.0	323.0	323.0	325.9	327.3	328.8	327.3	325.9	324.4	321.5	321.5
20°	321.5	321.5	323.0	325.9	328.8	330.2	330.2	327.3	324.4	321.5	321.5
22.5°	321.5	321.5	324.4	328.8	331.6	333.1	333.1	330.2	327.3	324.4	324.4
25°	327.3	325.9	328.8	334.5	338.9	340.3	341.8	337.4	333.1	330.2	328.8
27.5°	336.0	337.4	340.3	346.1	351.9	350.5	351.9	349.0	346.1	341.8	341.8
30°	353.4	353.4	357.7	363.5	367.9	369.3	369.3	366.4	362.1	359.2	357.7
32.5°	373.6	373.6	378.0	385.2	388.1	389.6	388.1	385.2	379.4	375.1	373.6
35°	393.9	393.9	399.7	408.4	411.3	408.4	409.9	407.0	402.6	399.7	398.3
37.5°	418.5	418.5	425.8	433.0	437.4	434.5	438.8	437.4	431.6	428.7	427.2
40°	447.5	449.0	456.2	464.9	464.9	466.3	470.7	472.1	466.3	463.4	460.5
42.5°	483.7	486.6	492.4	501.1	502.5	502.5	508.3	509.8	506.9	501.1	498.2
45°	527.2	530.1	538.7	547.4	547.4	544.5	553.2	560.5	554.7	546.0	543.1
47.5°	577.9	580.7	592.3	599.6	602.5	595.2	608.3	617.0	609.7	603.9	598.1
50°	638.7	644.5	656.1	667.6	664.7	656.1	673.4	683.6	679.2	666.2	661.9
52.5°	703.9	708.2	731.4	743.0	743.0	732.8	756.0	764.7	751.6	734.3	728.5
55°	792.2	790.7	806.7	832.7	842.9	832.7	851.6	854.5	837.1	822.6	812.5
57.5°	883.4	886.3	908.1	932.7	947.2	958.7	958.7	951.5	926.9	899.4	893.6
60°	989.2	997.8	1023.9	1055.8	1084.7	1100.7	1076.1	1061.6	1023.9	1000.7	992.1
62.5°	1106.5	1118.1	1157.2	1209.3	1255.6	1287.5	1246.9	1206.4	1158.6	1122.4	1116.6
65°	1142.7	1152.8	1229.6	1342.5	1478.7	1554.0	1425.1	1328.0	1215.1	1139.8	1131.1
67.5°	1063.0	1067.4	1164.4	1358.5	1632.2	1859.6	1575.7	1332.4	1160.0	1051.4	1045.6
70°	787.8	821.2	948.6	1193.4	1606.1	1981.2	1530.8	1157.2	915.3	785.0	757.4
72.5°	462.0	454.8	551.8	792.2	1312.1	1758.2	1245.5	785.0	563.4	464.9	443.2
75°	181.0	183.9	230.3	366.4	743.0	1171.6	745.8	369.3	205.7	168.0	166.5
77.5°	62.3	63.7	69.5	88.3	239.0	483.7	246.2	89.8	68.1	72.4	73.9
80°	39.1	37.7	42.0	43.4	52.1	95.6	56.5	46.3	44.9	44.9	46.3
82.5°	20.3	21.7	29.0	30.4	31.9	36.2	36.2	34.8	30.4	23.2	20.3
85°	13.0	10.1	20.3	21.7	20.3	18.8	23.2	26.1	23.2	13.0	14.5
87.5°	5.8	5.8	10.1	10.1	10.1	7.2	10.1	14.5	14.5	5.8	5.8
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)