

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: P459592

Luminaire Tested: **GAN-SA1A-AMB-U-5MQ**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459592
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-SA1A-AMB-U-5MQ
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(1) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1298 lumens
Efficiency: N/A
Efficacy: 57.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

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

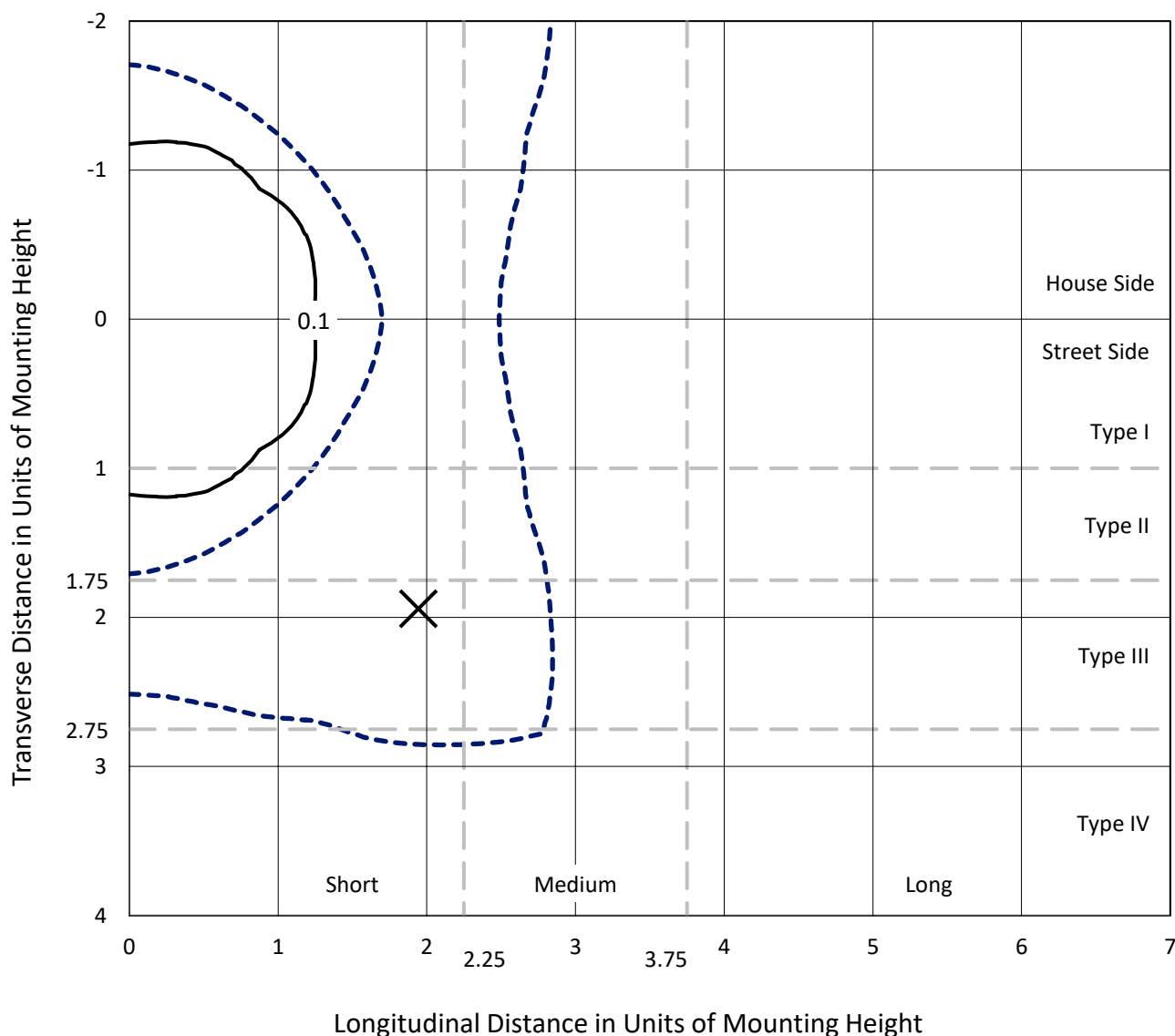


REPORT NUMBER: P459592
 CATALOG NUMBER: GAN-SA1A-AMB-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

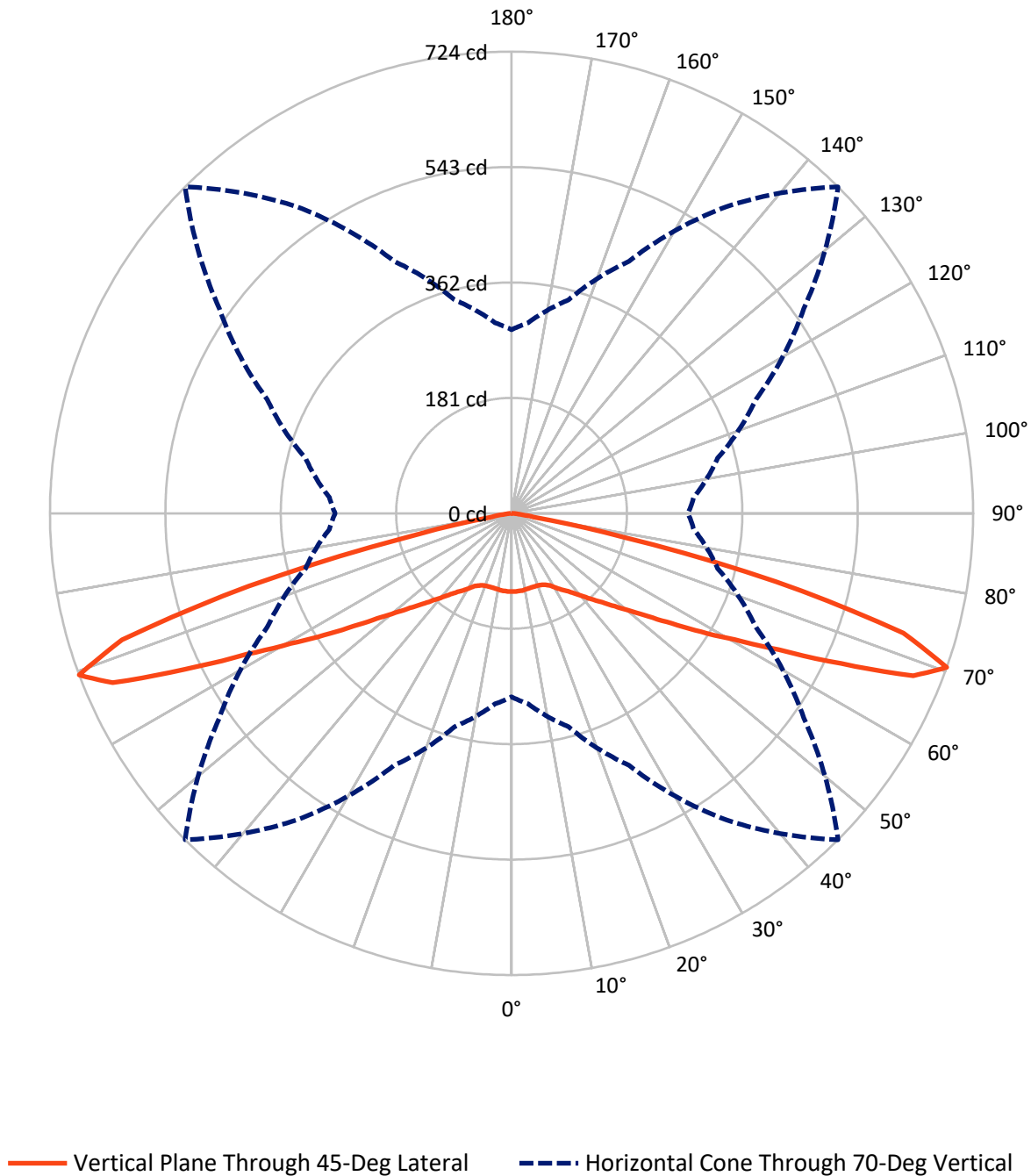
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P459592
CATALOG NUMBER: GAN-SA1A-AMB-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P459592

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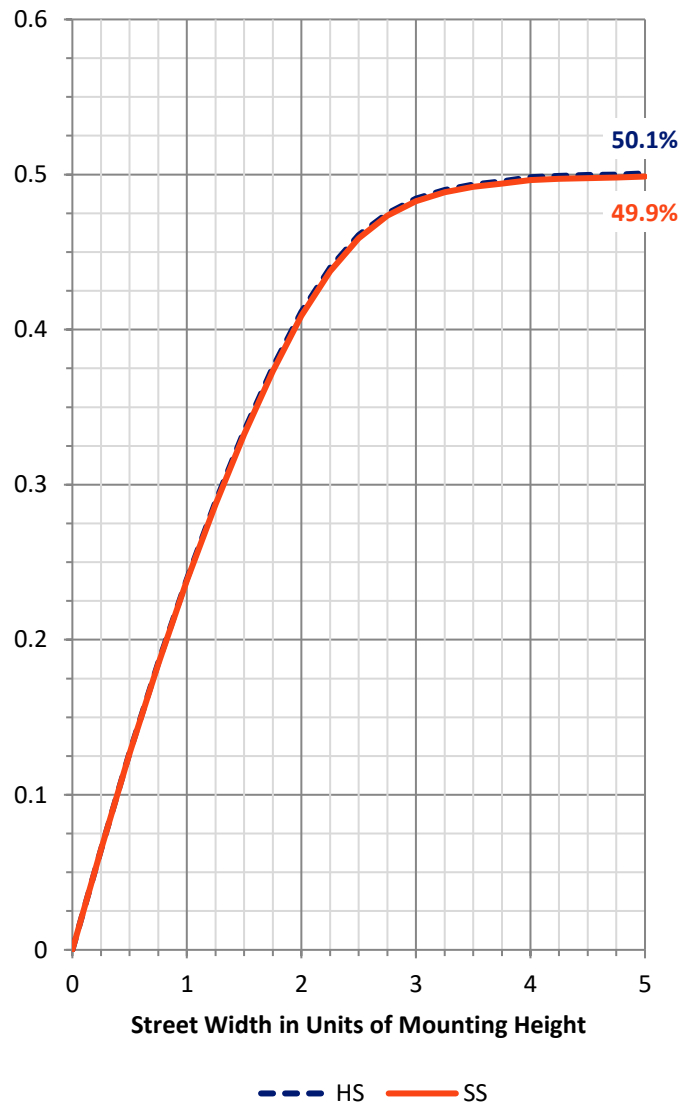
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	649.0	0.0	649.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	649.0	0.0	649.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1298.0	0.0	1298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	0.9
10°-20°	33.9	2.6
20°-30°	57.4	4.4
30°-40°	94.1	7.3
40°-50°	157.4	12.1
50°-60°	276.3	21.3
60°-70°	454.0	35.0
70°-80°	204.7	15.8
80°-90°	8.5	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°	1298.0	100.0
0°-180°	1298.0	100.0

Coefficient of Utilization



REPORT NUMBER: P459592

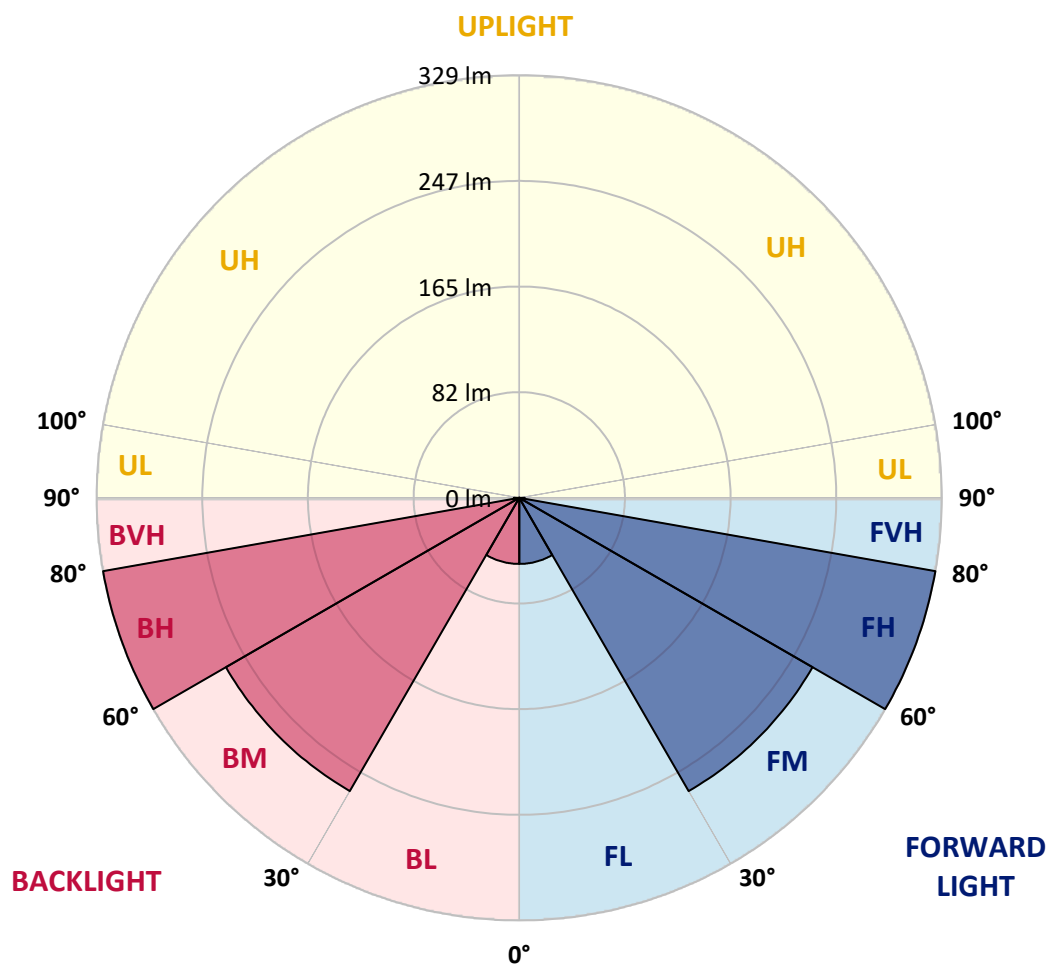
CATALOG NUMBER: GAN-SA1A-AMB-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.5	4.0			
FM	(30°-60°)	263.9	20.3			
FH	(60°-80°)	329.3	25.4			G0/660
FVH	(80°-90°)	4.3	0.3			G0/10
BL	(0°-30°)	51.5	4.0	B0/110		
BM	(30°-60°)	263.9	20.3	B1/1000		
BH	(60°-80°)	329.3	25.4	B1/500		G0/660
BVH	(80°-90°)	4.3	0.3			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type V Short



REPORT NUMBER: P459592

CATALOG NUMBER: GAN-SA1A-AMB-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8	122.8
2.5°	123.3	123.3	123.3	123.3	122.8	122.8	122.8	122.8	122.8	122.8	122.8
5°	123.3	123.3	123.3	122.8	122.8	122.3	122.8	122.3	122.3	122.3	122.8
7.5°	123.3	123.3	123.3	122.8	122.8	122.3	122.3	121.8	121.8	121.8	121.8
10°	121.8	121.8	121.8	121.8	121.8	121.2	121.2	120.7	120.7	120.7	120.7
12.5°	120.2	120.7	120.2	120.2	120.7	120.7	120.2	119.6	119.1	119.1	119.6
15°	119.1	119.1	119.1	119.1	120.2	120.2	120.2	119.1	118.6	118.6	118.6
17.5°	118.1	118.1	118.1	119.1	119.6	120.2	119.6	119.1	118.6	117.5	117.5
20°	117.5	117.5	118.1	119.1	120.2	120.7	120.7	119.6	118.6	117.5	117.5
22.5°	117.5	117.5	118.6	120.2	121.2	121.8	121.8	120.7	119.6	118.6	118.6
25°	119.6	119.1	120.2	122.3	123.9	124.4	124.9	123.3	121.8	120.7	120.2
27.5°	122.8	123.3	124.4	126.5	128.6	128.1	128.6	127.6	126.5	124.9	124.9
30°	129.2	129.2	130.8	132.9	134.5	135.0	135.0	133.9	132.3	131.3	130.8
32.5°	136.6	136.6	138.2	140.8	141.9	142.4	141.9	140.8	138.7	137.1	136.6
35°	144.0	144.0	146.1	149.3	150.3	149.3	149.8	148.8	147.2	146.1	145.6
37.5°	153.0	153.0	155.6	158.3	159.9	158.8	160.4	159.9	157.8	156.7	156.2
40°	163.6	164.1	166.8	169.9	169.9	170.5	172.0	172.6	170.5	169.4	168.3
42.5°	176.8	177.9	180.0	183.2	183.7	183.7	185.8	186.3	185.3	183.2	182.1
45°	192.7	193.8	196.9	200.1	200.1	199.0	202.2	204.9	202.8	199.6	198.5
47.5°	211.2	212.3	216.5	219.2	220.2	217.6	222.3	225.5	222.9	220.8	218.6
50°	233.5	235.6	239.8	244.0	243.0	239.8	246.2	249.9	248.3	243.5	241.9
52.5°	257.3	258.9	267.3	271.6	271.6	267.9	276.3	279.5	274.7	268.4	266.3
55°	289.6	289.0	294.9	304.4	308.1	304.4	311.3	312.3	306.0	300.7	297.0
57.5°	322.9	324.0	331.9	340.9	346.2	350.4	350.4	347.8	338.8	328.7	326.6
60°	361.6	364.7	374.3	385.9	396.5	402.3	393.3	388.0	374.3	365.8	362.6
62.5°	404.4	408.7	423.0	442.0	459.0	470.6	455.8	441.0	423.5	410.3	408.2
65°	417.7	421.4	449.4	490.7	540.5	568.0	520.9	485.4	444.2	416.6	413.4
67.5°	388.6	390.2	425.6	496.6	596.6	679.7	576.0	487.0	424.0	384.3	382.2
70°	288.0	300.2	346.7	436.2	587.1	724.2	559.6	423.0	334.6	286.9	276.9
72.5°	168.9	166.2	201.7	289.6	479.6	642.7	455.3	286.9	205.9	169.9	162.0
75°	66.2	67.2	84.2	133.9	271.6	428.3	272.6	135.0	75.2	61.4	60.9
77.5°	22.8	23.3	25.4	32.3	87.3	176.8	90.0	32.8	24.9	26.5	27.0
80°	14.3	13.8	15.4	15.9	19.1	34.9	20.6	16.9	16.4	16.4	16.9
82.5°	7.4	7.9	10.6	11.1	11.6	13.2	13.2	12.7	11.1	8.5	7.4
85°	4.8	3.7	7.4	7.9	7.4	6.9	8.5	9.5	8.5	4.8	5.3
87.5°	2.1	2.1	3.7	3.7	3.7	2.6	3.7	5.3	5.3	2.1	2.1
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)