

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: P316585

Luminaire Tested: **GAN-SA1A-827-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-827-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3768 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

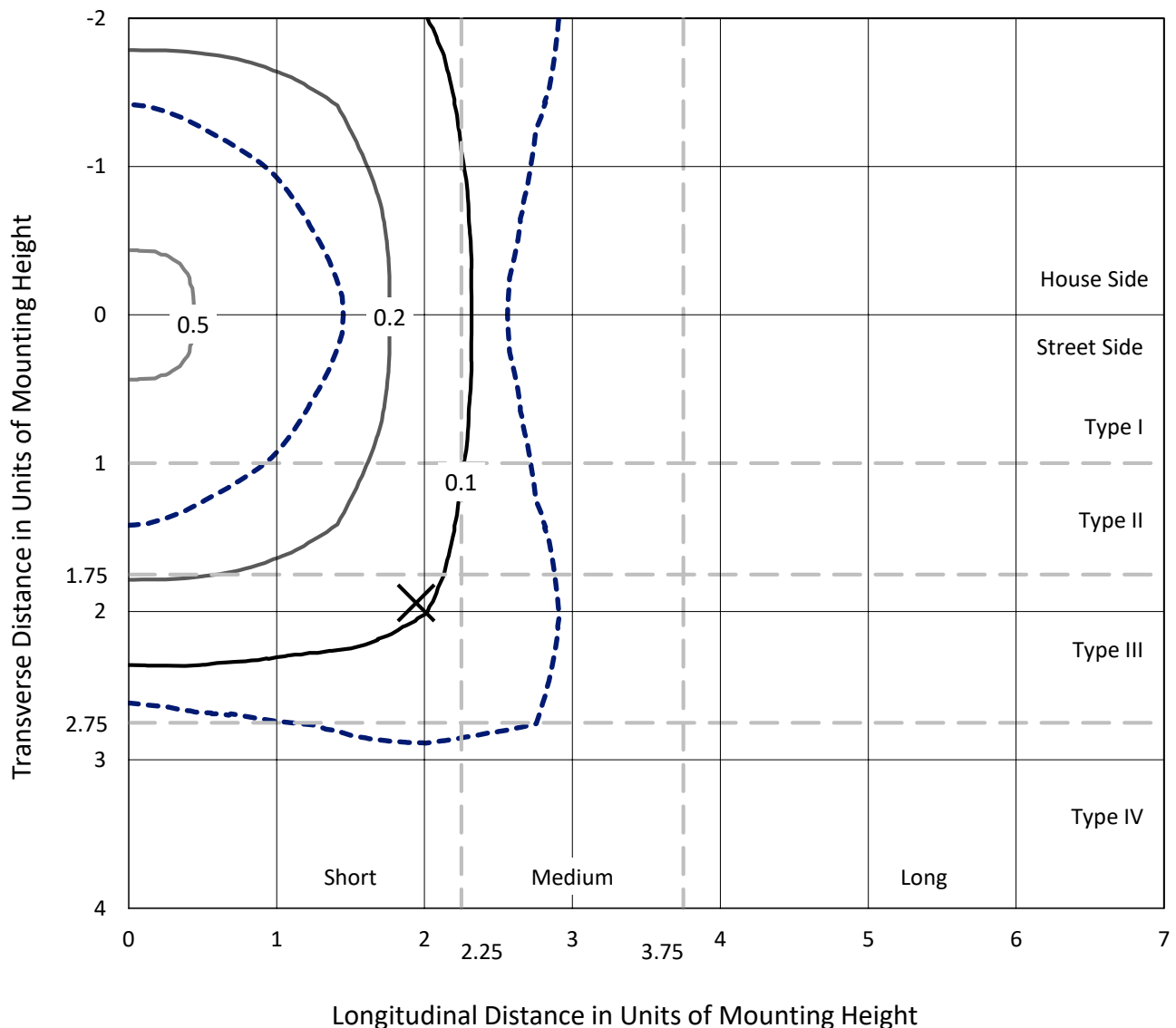
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P316585
CATALOG NUMBER: GAN-SA1A-827-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

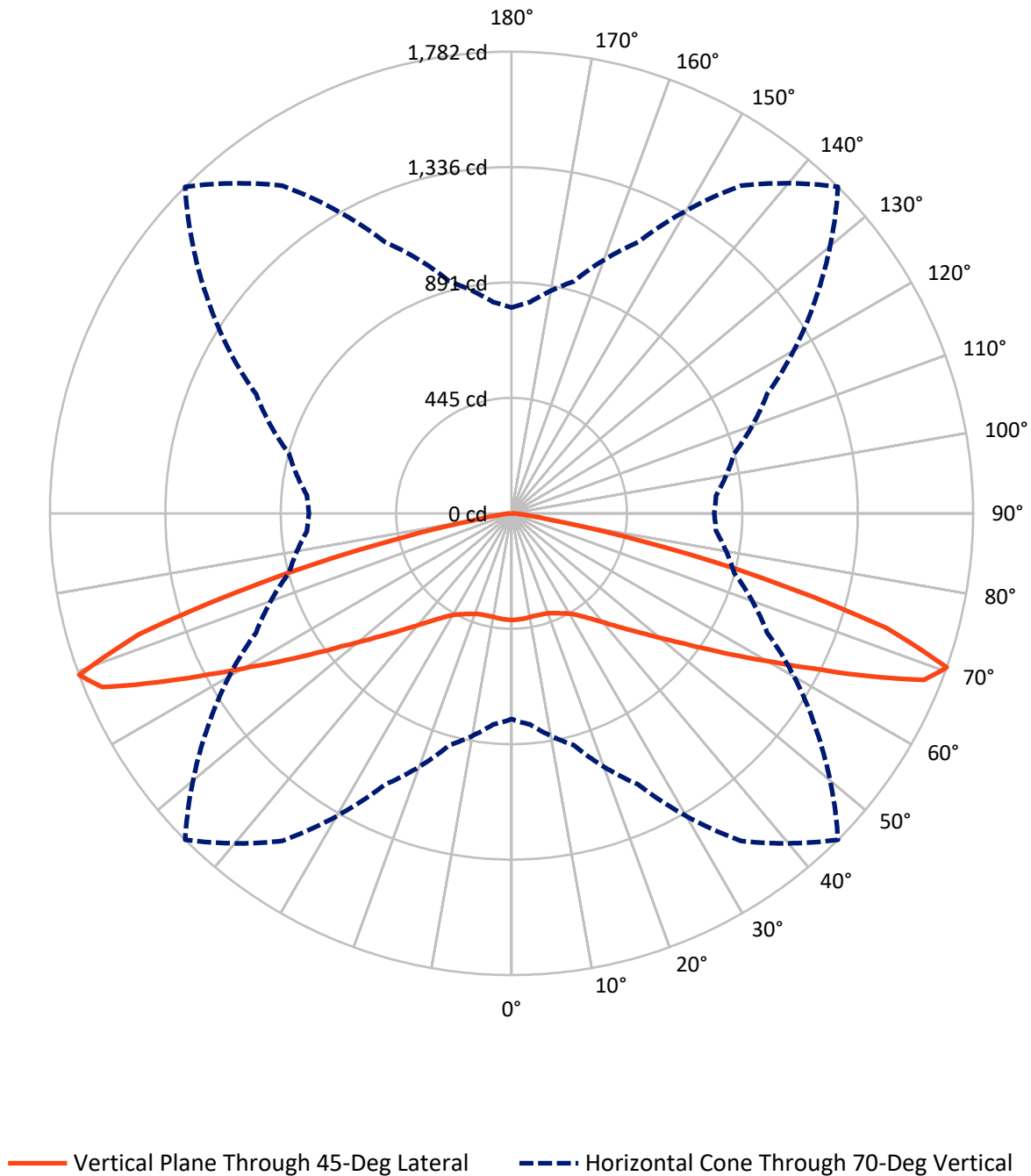
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Short - N/A

REPORT NUMBER: P316585
CATALOG NUMBER: GAN-SA1A-827-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P316585

CATALOG NUMBER: GAN-SA1A-827-U-5MQ

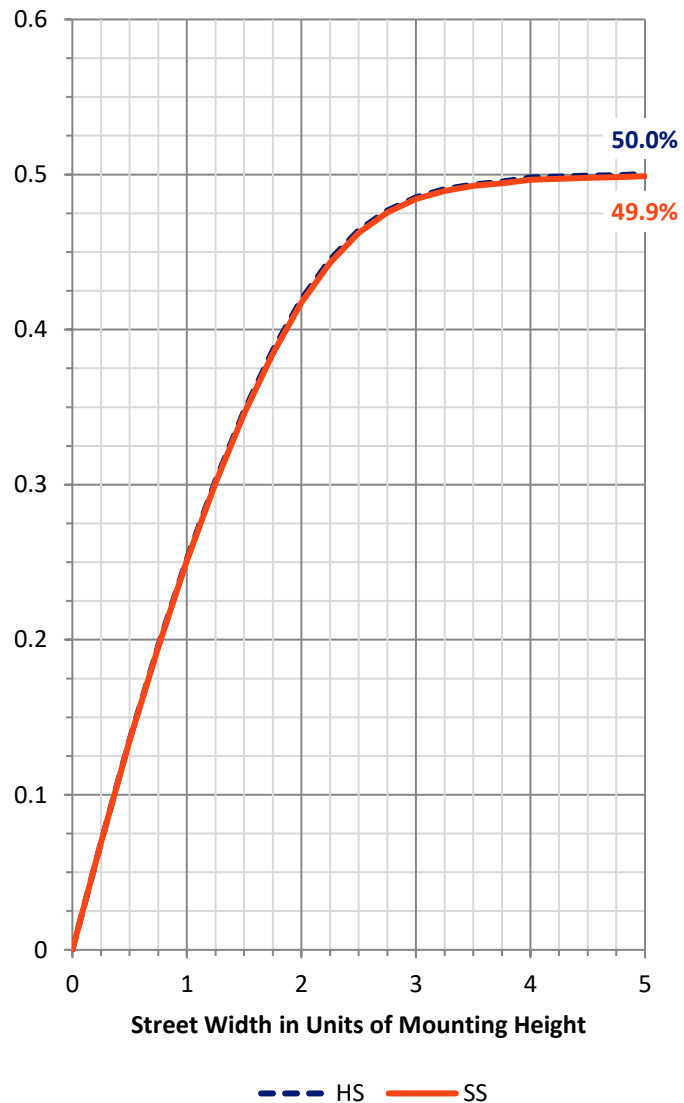
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1884.0	0.0	1884.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1884.0	0.0	1884.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3768.0	0.0	3768.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	1.0
10°-20°	114.4	3.0
20°-30°	194.8	5.2
30°-40°	308.9	8.2
40°-50°	502.7	13.3
50°-60°	828.9	22.0
60°-70°	1216.8	32.3
70°-80°	538.1	14.3
80°-90°	24.4	0.6
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°	3768.0	100.0
0°-180°	3768.0	100.0

Coefficient of Utilization



REPORT NUMBER: P316585

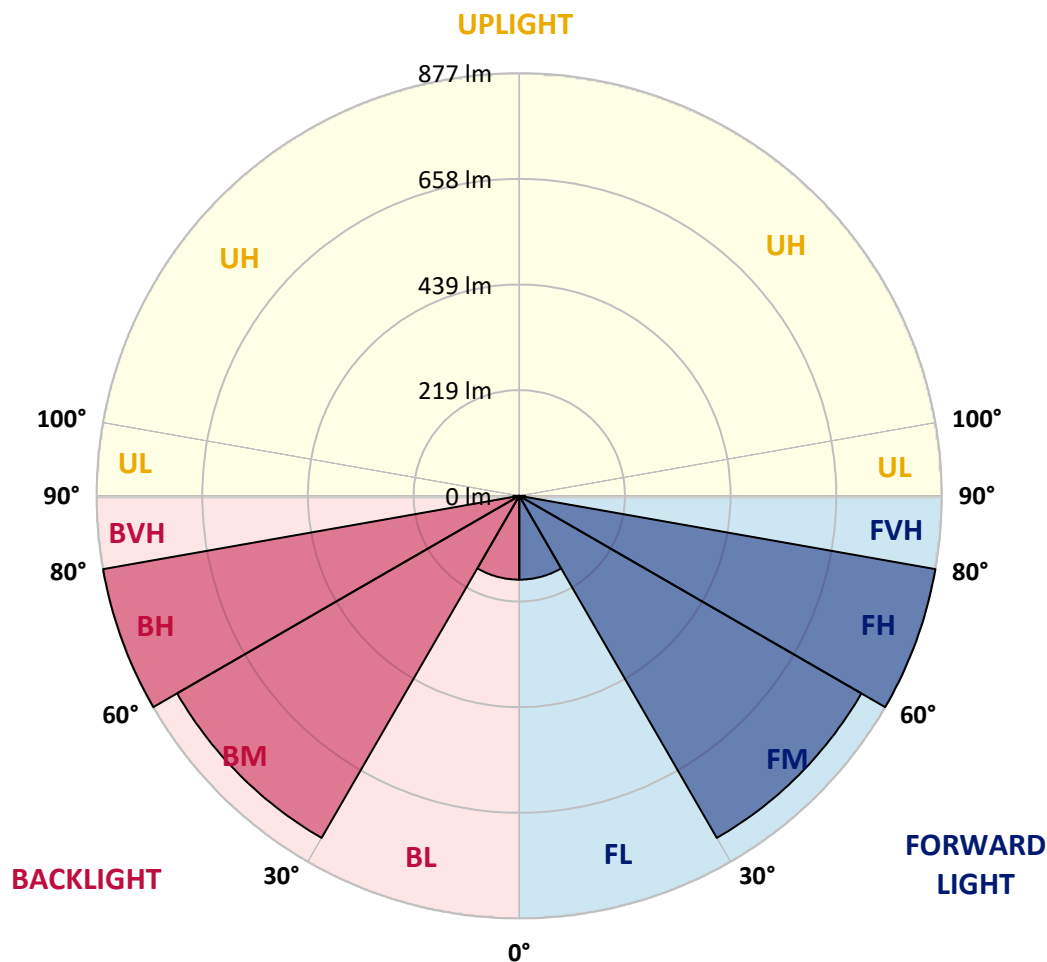
CATALOG NUMBER: GAN-SA1A-827-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.1	4.6			
FM	(30°-60°)	820.3	21.8			
FH	(60°-80°)	877.5	23.3			G1/1800
FVH	(80°-90°)	12.2	0.3			G1/100
BL	(0°-30°)	174.1	4.6	B1/500		
BM	(30°-60°)	820.3	21.8	B1/1000		
BH	(60°-80°)	877.5	23.3	B2/1000		G1/1800
BVH	(80°-90°)	12.2	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



REPORT NUMBER: P316585

CATALOG NUMBER: GAN-SA1A-827-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5	411.5
2.5°	410.9	410.5	411.4	411.3	410.5	410.7	410.7	411.0	411.0	410.8	410.8
5°	409.4	409.2	410.2	410.2	409.4	409.7	409.9	410.3	410.2	409.9	409.8
7.5°	407.5	407.4	408.4	408.4	407.9	408.2	407.9	408.0	407.8	407.5	407.2
10°	404.4	404.7	405.5	405.8	405.8	405.9	405.7	405.0	404.7	404.3	403.9
12.5°	401.5	401.4	402.7	403.3	404.3	405.4	404.7	402.9	402.2	401.4	401.2
15°	399.7	399.8	401.0	402.2	403.9	406.3	405.4	402.7	401.2	400.3	400.1
17.5°	399.3	399.6	401.2	403.2	405.0	407.7	407.2	404.4	401.9	400.3	399.9
20°	400.2	400.3	402.8	405.7	408.9	411.4	410.3	407.3	403.9	401.4	400.8
22.5°	401.8	402.3	405.4	409.9	414.9	418.3	416.9	411.8	406.5	403.4	402.5
25°	406.9	407.0	411.3	417.4	423.4	427.2	425.6	418.4	411.6	408.2	407.0
27.5°	417.5	417.9	422.1	429.2	434.3	436.8	435.8	430.0	424.2	420.5	420.9
30°	432.8	433.3	438.1	445.9	449.1	449.7	449.4	446.7	441.5	436.5	436.8
32.5°	451.6	451.8	458.2	465.3	467.8	468.3	467.8	465.3	459.0	452.3	452.7
35°	475.6	476.4	482.5	489.3	491.3	492.3	491.5	488.2	481.7	475.1	474.9
37.5°	505.3	505.4	511.8	518.9	521.4	521.6	520.6	518.5	510.4	504.4	504.1
40°	539.7	540.2	547.7	555.3	556.3	555.2	556.6	555.3	547.0	540.1	541.2
42.5°	581.6	582.7	591.7	599.2	596.3	595.7	596.6	597.0	590.2	581.9	581.1
45°	630.4	631.4	642.6	648.6	646.7	642.6	644.3	647.3	638.0	627.6	628.6
47.5°	686.0	688.5	700.5	706.1	701.5	695.9	699.2	703.7	692.7	679.9	679.3
50°	747.9	751.0	766.9	774.8	770.2	759.8	765.4	768.4	752.6	736.0	734.6
52.5°	813.8	816.9	837.0	853.2	850.2	834.1	842.0	838.9	820.7	798.4	796.6
55°	888.5	889.8	911.5	937.7	940.6	928.8	928.3	923.2	896.2	870.4	869.2
57.5°	965.3	966.2	994.3	1025.2	1039.3	1039.3	1025.3	1014.5	978.7	948.8	945.6
60°	1048.3	1051.4	1082.4	1124.5	1157.4	1167.1	1142.4	1112.9	1074.0	1037.4	1033.8
62.5°	1122.1	1125.7	1173.2	1235.8	1288.7	1324.1	1263.8	1215.6	1144.8	1086.2	1079.3
65°	1131.4	1141.2	1210.4	1323.7	1442.1	1512.8	1397.1	1278.5	1149.4	1068.0	1061.0
67.5°	1033.3	1049.8	1143.3	1319.7	1564.3	1716.1	1482.2	1242.6	1066.6	976.6	968.8
70°	794.0	817.9	925.8	1154.4	1543.2	1781.5	1428.9	1087.8	889.3	792.4	781.5
72.5°	435.6	445.4	542.5	790.5	1237.2	1513.9	1191.8	804.3	589.7	479.9	461.7
75°	138.2	141.7	191.0	323.5	699.8	1002.7	757.1	394.8	217.4	160.2	158.4
77.5°	61.4	61.7	69.1	94.4	241.1	508.0	289.6	107.5	74.1	64.7	66.8
80°	38.8	38.8	42.8	46.8	65.6	147.5	78.3	51.1	43.6	40.5	41.4
82.5°	18.6	20.6	27.8	29.9	36.0	49.6	40.2	33.4	29.2	21.7	20.2
85°	12.2	10.2	17.6	19.8	21.0	23.8	23.3	22.1	19.1	10.8	12.1
87.5°	5.5	5.2	9.1	8.4	7.9	6.0	9.0	11.1	10.7	5.4	5.4
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)