

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: P316385

Luminaire Tested: **GAN-SA1A-727-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316385
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-727-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 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: 4288 lumens
Efficiency: N/A
Efficacy: 126.1 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

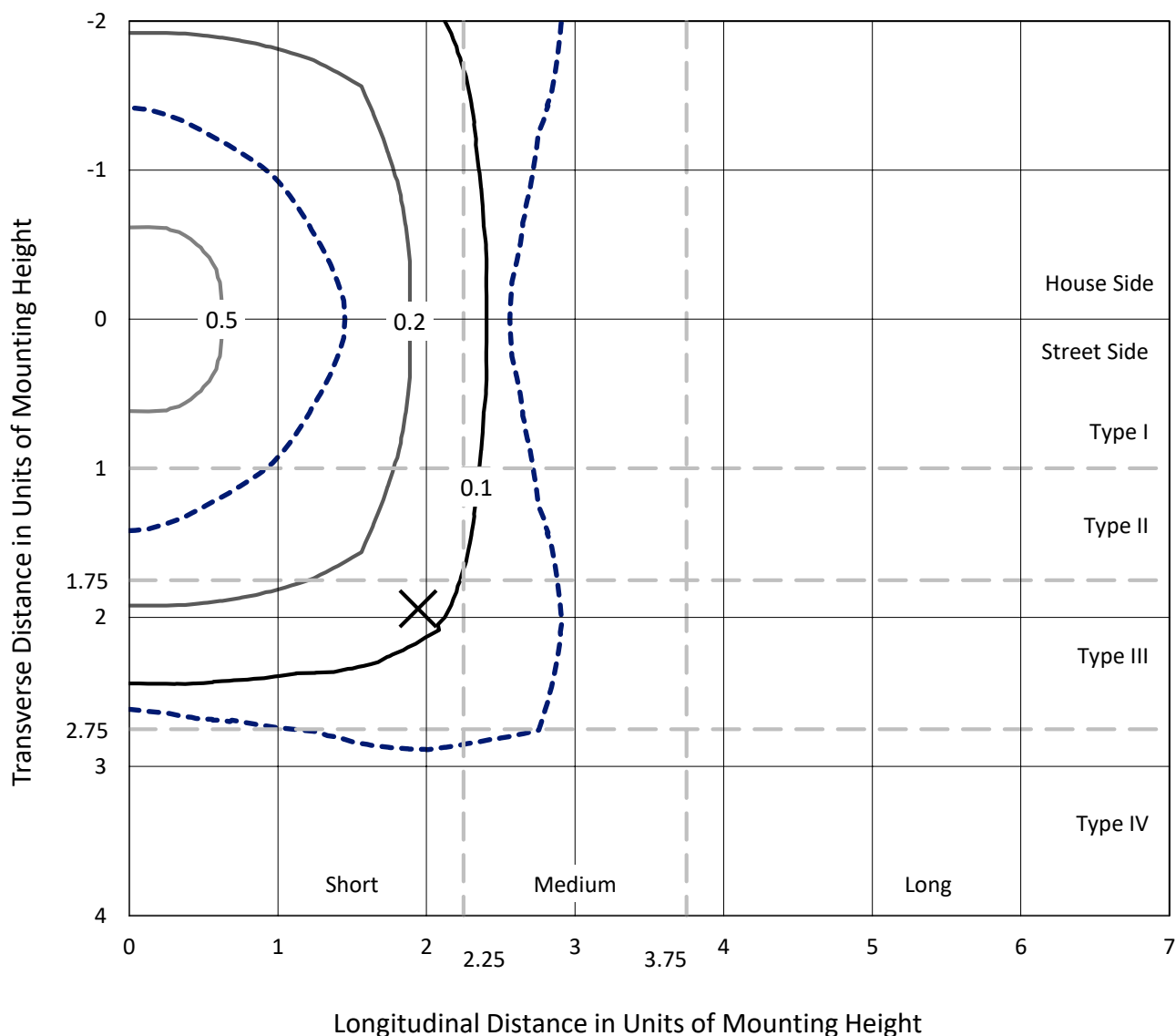
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

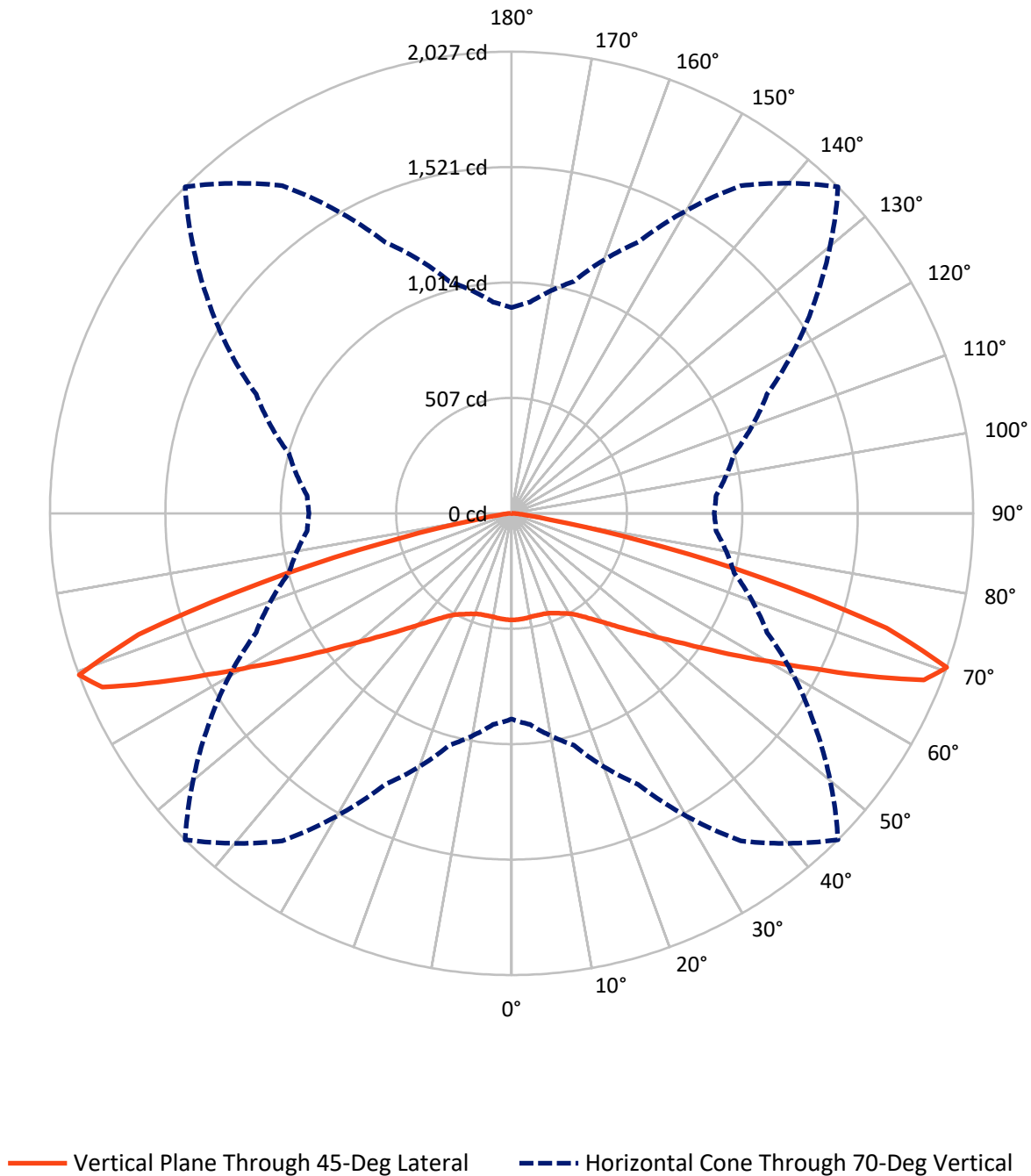
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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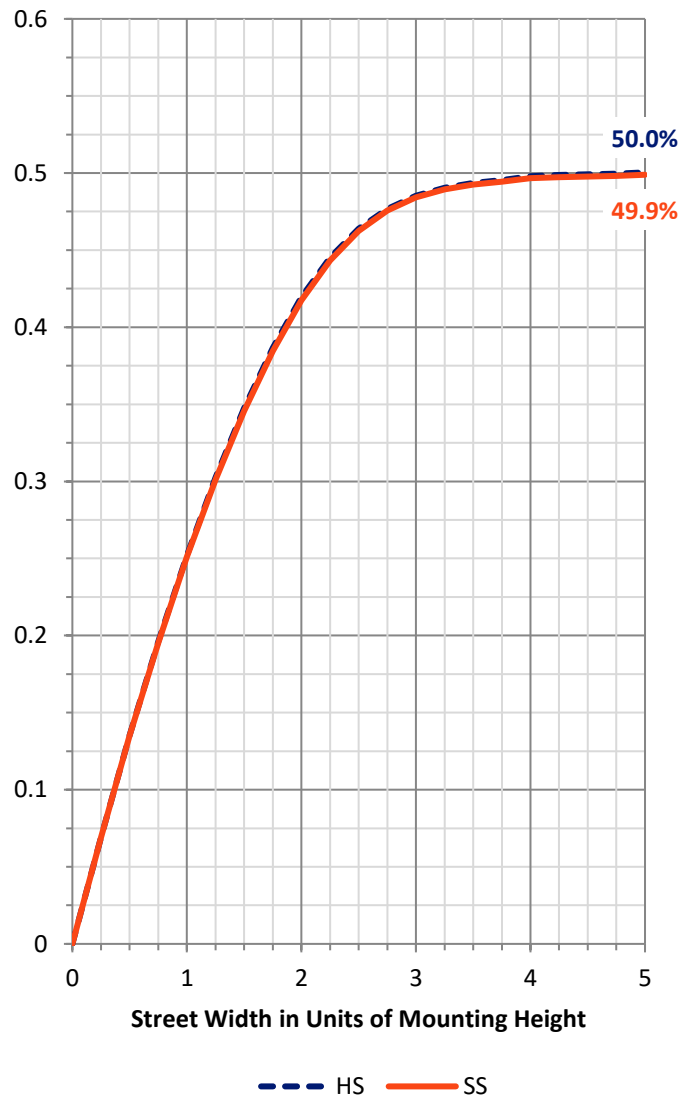
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2144.0	0.0	2144.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2144.0	0.0	2144.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4288.0	0.0	4288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.0
10°-20°	130.2	3.0
20°-30°	221.7	5.2
30°-40°	351.6	8.2
40°-50°	572.1	13.3
50°-60°	943.3	22.0
60°-70°	1384.8	32.3
70°-80°	612.3	14.3
80°-90°	27.7	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°	4288.0	100.0
0°-180°	4288.0	100.0

Coefficient of Utilization



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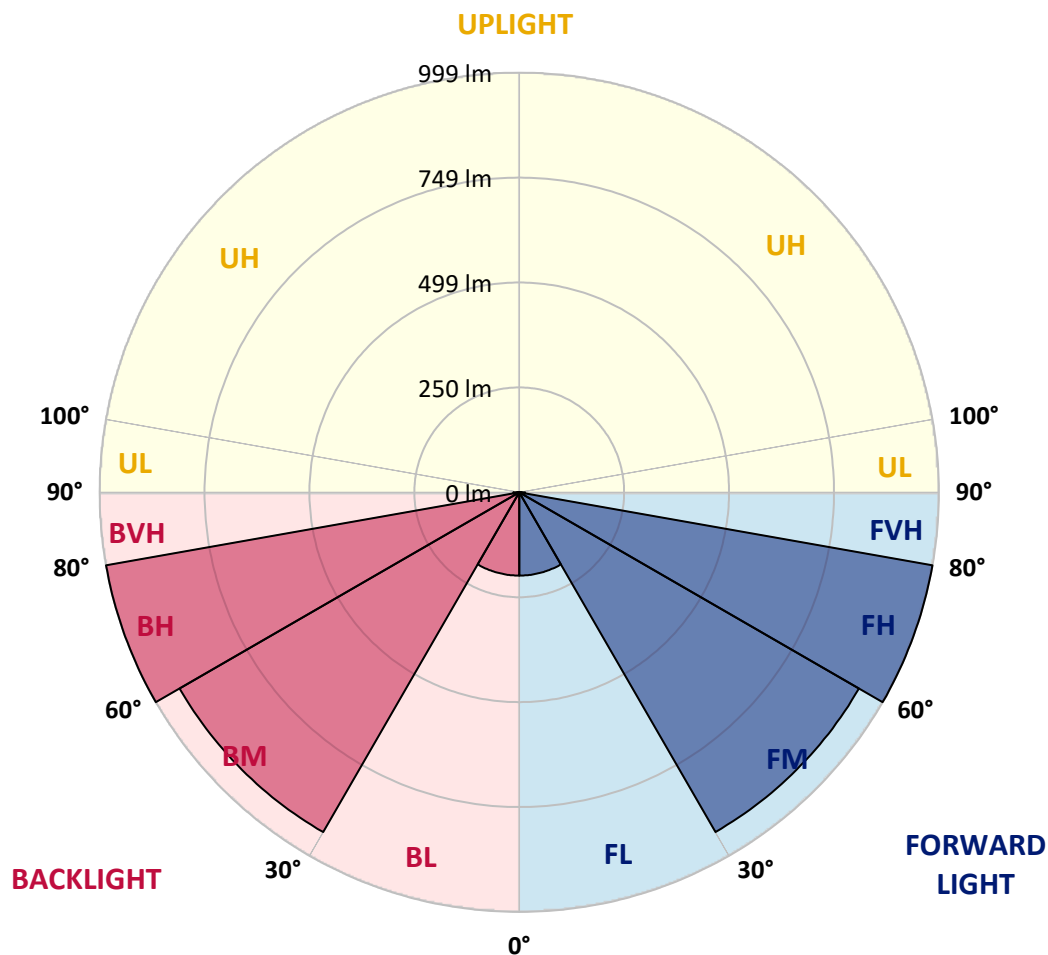
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	198.1	4.6			
FM	(30°-60°)	933.5	21.8			
FH	(60°-80°)	998.6	23.3			G1/1800
FVH	(80°-90°)	13.9	0.3			G1/100
BL	(0°-30°)	198.1	4.6	B1/500		
BM	(30°-60°)	933.5	21.8	B1/1000		
BH	(60°-80°)	998.6	23.3	B2/1000		G1/1800
BVH	(80°-90°)	13.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3	468.3
2.5°	467.6	467.2	468.2	468.0	467.2	467.3	467.3	467.7	467.7	467.5	467.5
5°	465.9	465.6	466.8	466.8	465.9	466.2	466.5	466.9	466.8	466.5	466.3
7.5°	463.8	463.6	464.8	464.8	464.2	464.5	464.2	464.3	464.1	463.8	463.3
10°	460.2	460.5	461.5	461.8	461.8	461.9	461.6	460.9	460.5	460.1	459.7
12.5°	457.0	456.8	458.2	459.0	460.1	461.4	460.5	458.5	457.7	456.8	456.5
15°	454.8	455.0	456.4	457.7	459.7	462.4	461.4	458.2	456.5	455.5	455.3
17.5°	454.4	454.7	456.5	458.8	460.9	463.9	463.3	460.2	457.4	455.5	455.1
20°	455.4	455.5	458.4	461.6	465.3	468.2	466.9	463.5	459.7	456.8	456.1
22.5°	457.2	457.8	461.4	466.5	472.1	476.0	474.4	468.6	462.6	459.1	458.1
25°	463.1	463.2	468.0	475.0	481.8	486.2	484.4	476.1	468.5	464.5	463.2
27.5°	475.1	475.6	480.4	488.5	494.3	497.1	496.0	489.3	482.8	478.5	479.0
30°	492.6	493.2	498.5	507.5	511.0	511.7	511.5	508.3	502.4	496.7	497.1
32.5°	513.9	514.2	521.4	529.5	532.3	532.9	532.3	529.5	522.4	514.7	515.1
35°	541.3	542.1	549.1	556.9	559.1	560.3	559.3	555.6	548.2	540.7	540.4
37.5°	575.0	575.2	582.4	590.5	593.3	593.6	592.5	590.1	580.9	574.0	573.6
40°	614.2	614.8	623.3	631.9	633.1	631.8	633.4	631.9	622.4	614.6	615.9
42.5°	661.9	663.2	673.4	681.9	678.6	677.9	678.9	679.3	671.7	662.2	661.3
45°	717.4	718.5	731.3	738.1	736.0	731.3	733.3	736.7	726.0	714.3	715.4
47.5°	780.7	783.5	797.1	803.5	798.3	791.9	795.7	800.8	788.3	773.7	773.0
50°	851.1	854.6	872.8	881.7	876.5	864.7	871.1	874.5	856.5	837.6	836.0
52.5°	926.1	929.7	952.5	971.0	967.6	949.3	958.2	954.7	933.9	908.5	906.5
55°	1011.1	1012.6	1037.2	1067.1	1070.5	1057.0	1056.4	1050.6	1019.9	990.6	989.1
57.5°	1098.6	1099.5	1131.5	1166.7	1182.7	1182.7	1166.8	1154.5	1113.7	1079.7	1076.1
60°	1192.9	1196.5	1231.8	1279.6	1317.1	1328.2	1300.1	1266.4	1222.2	1180.6	1176.5
62.5°	1276.9	1281.1	1335.1	1406.4	1466.5	1506.8	1438.2	1383.4	1302.8	1236.1	1228.3
65°	1287.6	1298.7	1377.4	1506.4	1641.1	1721.6	1589.9	1454.9	1308.0	1215.4	1207.4
67.5°	1175.9	1194.6	1301.1	1501.9	1780.2	1952.9	1686.8	1414.0	1213.8	1111.3	1102.5
70°	903.6	930.8	1053.6	1313.7	1756.2	2027.4	1626.1	1237.9	1012.0	901.7	889.4
72.5°	495.7	506.9	617.3	899.6	1407.9	1722.8	1356.3	915.3	671.1	546.1	525.4
75°	157.2	161.2	217.4	368.1	796.4	1141.1	861.6	449.3	247.4	182.4	180.2
77.5°	69.8	70.2	78.6	107.4	274.3	578.2	329.5	122.3	84.3	73.7	76.1
80°	44.1	44.1	48.7	53.2	74.6	167.9	89.1	58.2	49.7	46.1	47.1
82.5°	21.1	23.4	31.6	34.1	41.0	56.5	45.7	38.0	33.2	24.7	23.0
85°	13.9	11.6	20.0	22.6	23.8	27.1	26.5	25.1	21.7	12.3	13.8
87.5°	6.2	6.0	10.4	9.5	8.9	6.8	10.2	12.6	12.2	6.1	6.1
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)