

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: P316145

Luminaire Tested: **GAN-SA1A-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316145
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5139 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

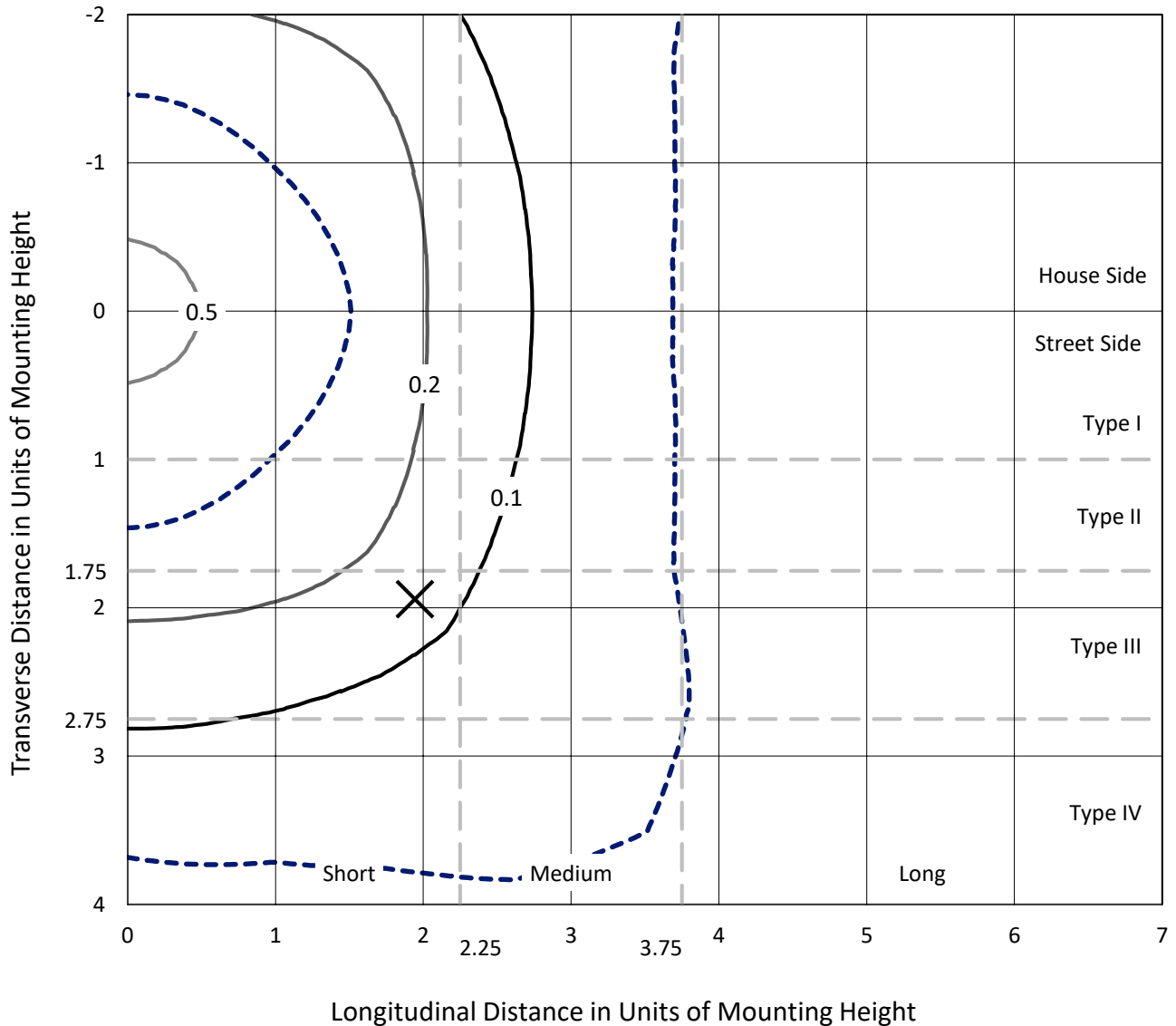
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

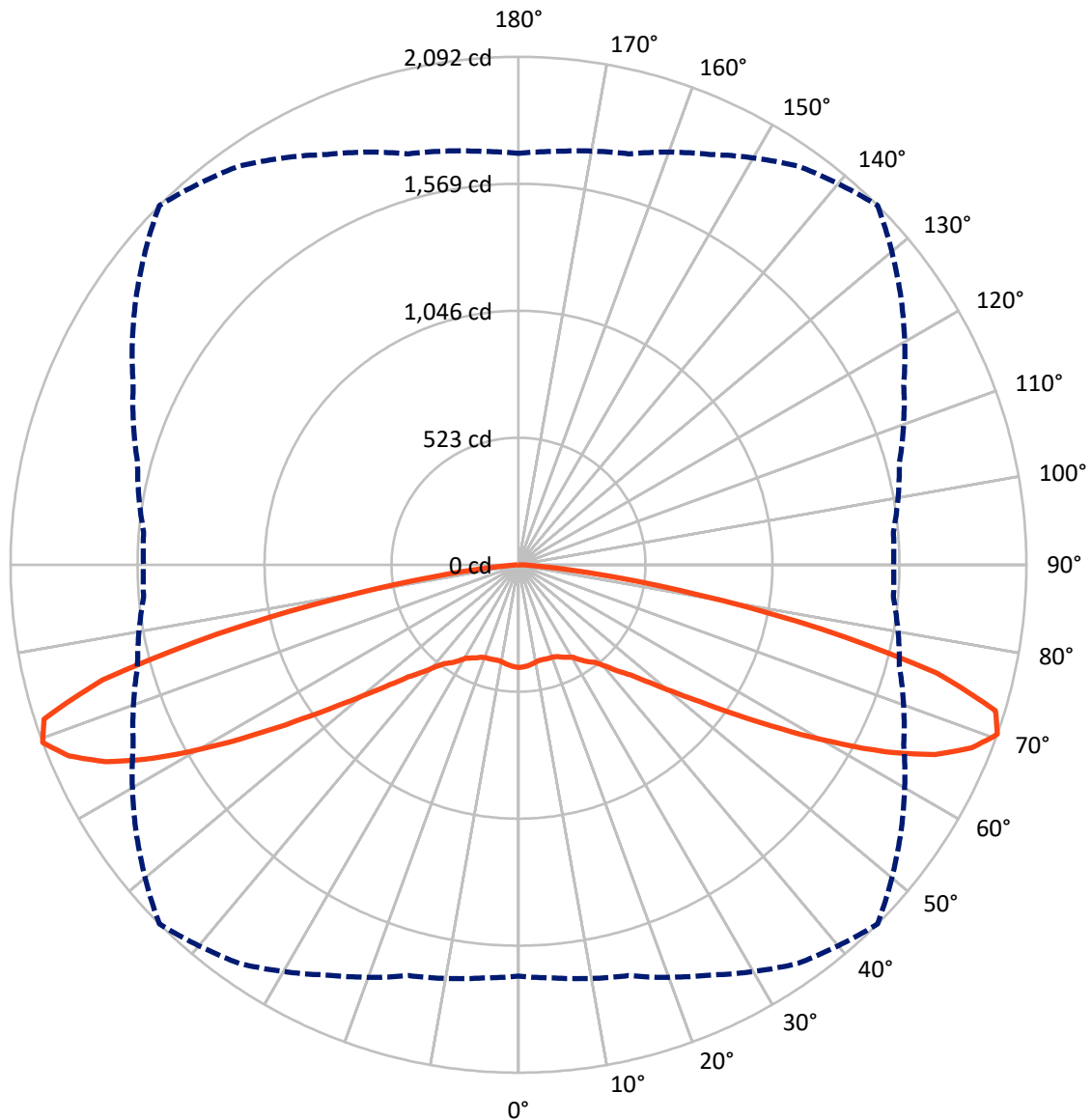
✕ Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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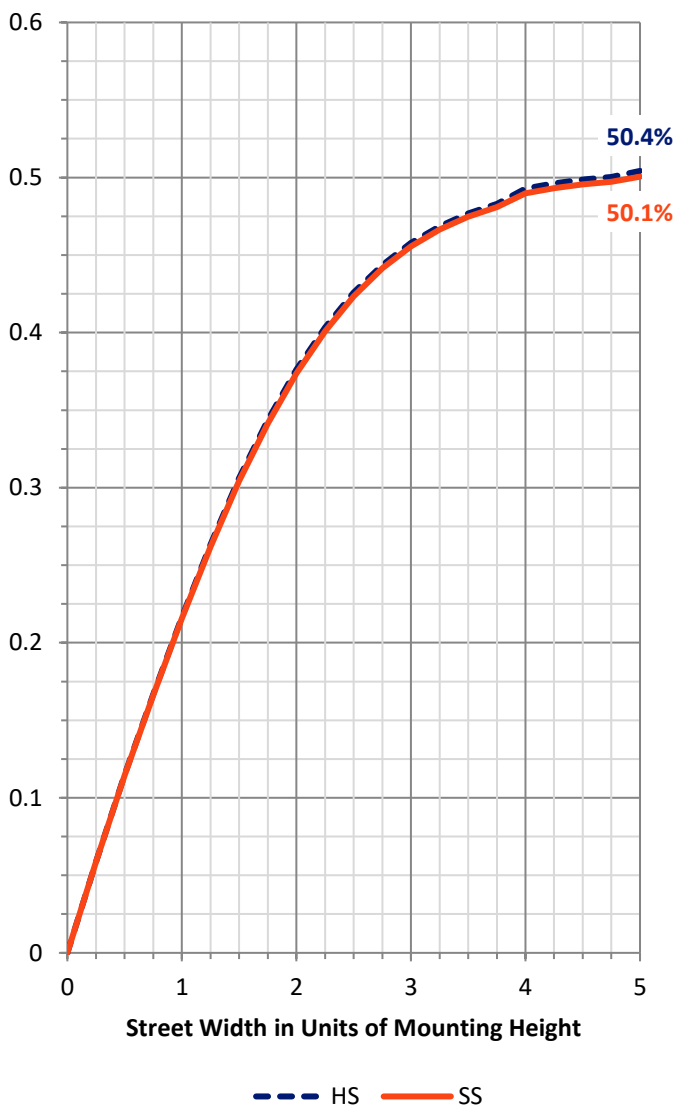
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2569.5	0.0	2569.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2569.5	0.0	2569.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5139.0	0.0	5139.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	0.8
10°-20°	115.3	2.2
20°-30°	196.6	3.8
30°-40°	307.2	6.0
40°-50°	520.6	10.1
50°-60°	949.4	18.5
60°-70°	1634.4	31.8
70°-80°	1281.1	24.9
80°-90°	95.0	1.8
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°	5139.0	100.0
0°-180°	5139.0	100.0

Coefficient of Utilization



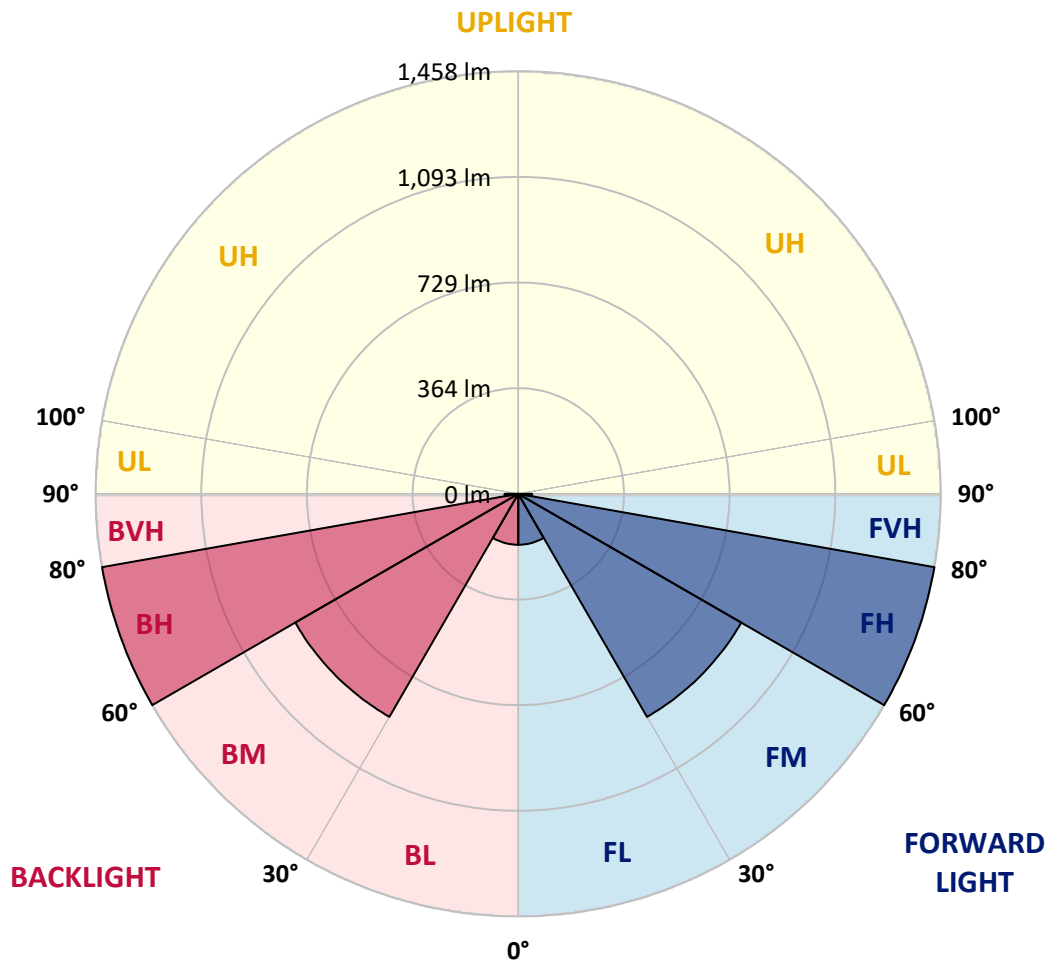
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.7	3.4			
FM (30°-60°)	888.6	17.3			
FH (60°-80°)	1457.7	28.4			G1/1800
FVH (80°-90°)	47.5	0.9			G1/100
BL (0°-30°)	175.7	3.4	B1/500		
BM (30°-60°)	888.6	17.3	B1/1000		
BH (60°-80°)	1457.7	28.4	B3/2500		G1/1800
BVH (80°-90°)	47.5	0.9			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°	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9	422.9
2.5°	421.1	421.6	421.1	421.4	420.6	420.9	420.9	420.9	420.7	420.9	420.6
5°	417.3	417.7	417.0	417.3	416.8	417.3	417.5	417.3	417.0	417.2	416.5
7.5°	411.7	412.1	411.6	412.1	411.4	412.2	412.1	411.6	411.0	411.0	410.4
10°	408.7	408.8	407.5	407.0	405.4	405.8	406.3	406.8	407.3	408.3	408.2
12.5°	408.8	408.8	406.8	404.6	402.4	402.9	403.7	405.6	407.6	409.5	409.7
15°	410.5	410.4	407.3	403.7	402.2	403.7	404.2	405.4	408.7	411.9	412.1
17.5°	411.7	411.7	407.0	402.9	402.7	405.1	404.9	405.4	409.0	413.8	413.9
20°	413.9	413.9	407.8	403.4	403.4	405.9	406.1	407.0	410.5	415.8	416.7
22.5°	418.9	419.0	412.6	409.0	409.3	410.9	411.4	412.7	416.0	421.8	422.8
25°	425.8	426.2	419.5	417.5	418.7	421.6	421.2	422.3	425.8	431.4	432.5
27.5°	435.5	434.7	428.6	427.7	428.9	430.9	430.8	430.9	433.8	438.9	440.1
30°	448.1	447.8	443.3	443.8	443.3	442.7	442.8	444.2	445.7	449.8	451.0
32.5°	460.3	460.7	458.0	460.5	464.2	466.8	462.9	459.1	457.4	459.7	460.7
35°	482.4	483.3	479.0	477.3	482.4	489.9	478.9	472.7	476.1	479.0	479.9
37.5°	520.0	520.5	513.4	506.6	502.8	510.0	498.9	499.4	511.3	516.8	516.6
40°	562.8	563.0	558.3	552.3	545.8	547.5	543.1	544.5	552.3	557.2	558.6
42.5°	613.8	613.3	605.9	597.4	595.5	597.2	589.7	588.7	597.7	606.5	606.7
45°	680.0	678.8	669.1	659.7	650.7	647.0	645.1	650.0	662.5	670.6	670.8
47.5°	751.2	748.0	742.9	735.4	727.6	723.8	720.8	723.1	732.2	735.4	735.7
50°	824.5	825.1	826.2	823.3	820.4	819.2	811.2	806.6	809.3	803.4	802.5
52.5°	911.3	912.7	922.5	930.9	935.8	938.4	923.2	907.4	898.6	887.0	883.6
55°	1013.8	1016.0	1030.5	1053.6	1077.4	1090.0	1062.6	1033.0	1005.7	984.1	977.1
57.5°	1128.1	1132.0	1151.9	1196.2	1245.0	1274.8	1228.5	1174.8	1121.9	1090.8	1085.4
60°	1262.0	1265.8	1293.3	1356.9	1435.9	1480.6	1410.6	1322.7	1256.9	1227.2	1217.1
62.5°	1421.5	1421.8	1455.6	1529.9	1634.3	1696.5	1601.7	1484.2	1416.4	1380.5	1370.8
65°	1593.0	1593.8	1628.9	1709.1	1817.0	1884.7	1777.6	1655.2	1572.3	1519.4	1511.9
67.5°	1714.2	1717.8	1754.7	1851.2	1952.2	2013.2	1902.4	1764.0	1668.1	1605.1	1598.8
70°	1694.8	1708.8	1752.1	1864.8	2005.2	2092.3	1922.6	1751.1	1624.6	1550.2	1544.9
72.5°	1478.1	1504.8	1562.6	1710.5	1935.0	2054.9	1812.3	1568.3	1425.2	1361.8	1352.3
75°	1006.5	1049.9	1137.1	1350.4	1653.2	1779.1	1525.7	1250.5	1115.8	1028.1	1021.7
77.5°	448.8	458.6	569.1	814.8	1140.8	1277.7	1108.5	818.0	614.0	489.7	463.6
80°	125.1	126.6	169.0	303.4	571.0	750.7	613.0	318.7	179.2	126.3	119.0
82.5°	39.8	43.2	52.7	78.7	191.9	342.5	197.0	85.0	60.5	48.3	43.5
85°	19.4	19.2	26.7	32.0	49.0	75.8	52.2	39.4	34.5	22.9	20.7
87.5°	8.2	8.3	12.4	11.2	14.3	12.2	16.8	17.7	18.5	10.2	8.8
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)