

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: P316155

Luminaire Tested: **GAN-SA1B-740-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316155
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-SA1B-740-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6303 lumens
Efficiency: N/A
Efficacy: 143.2 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

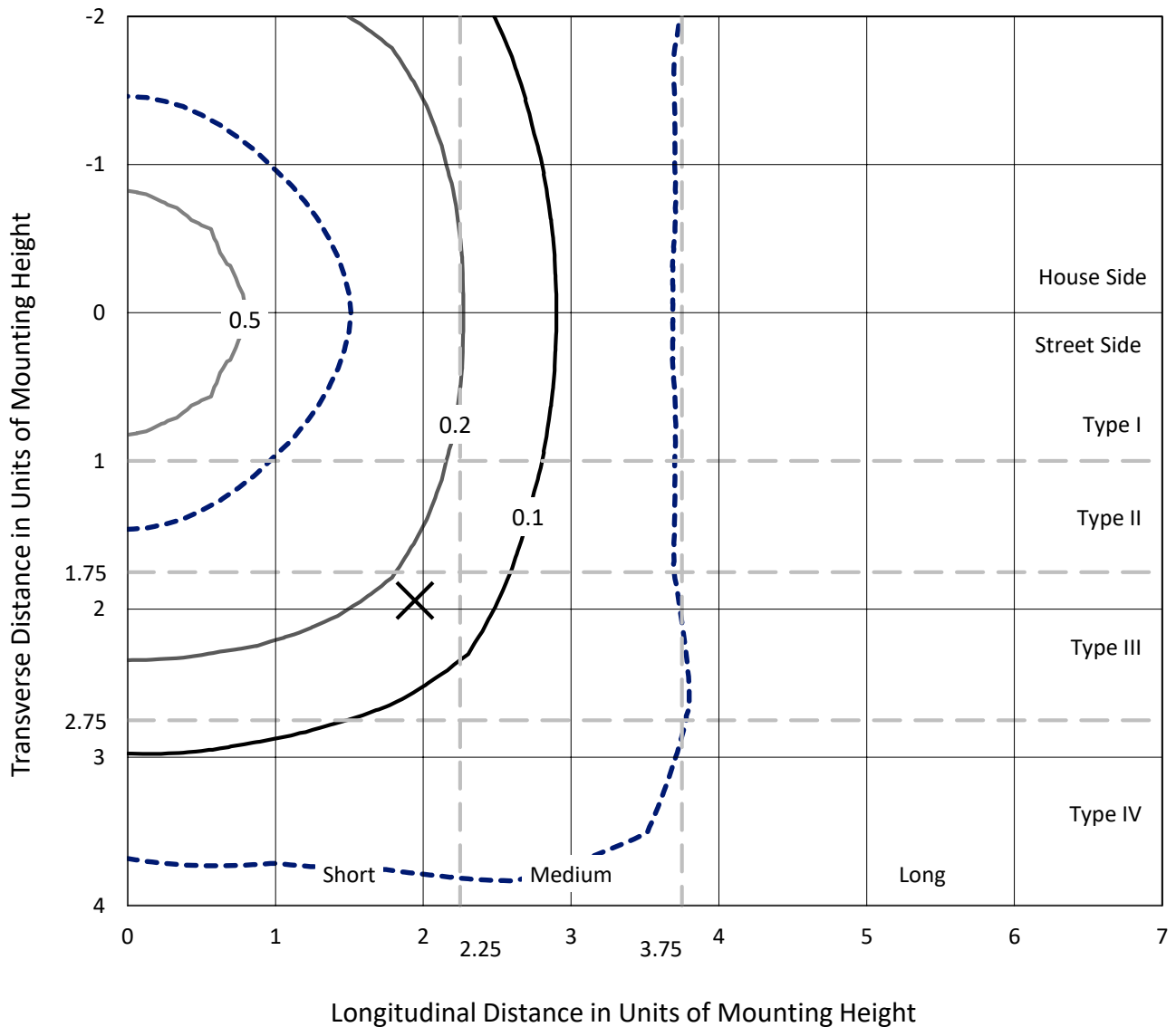
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

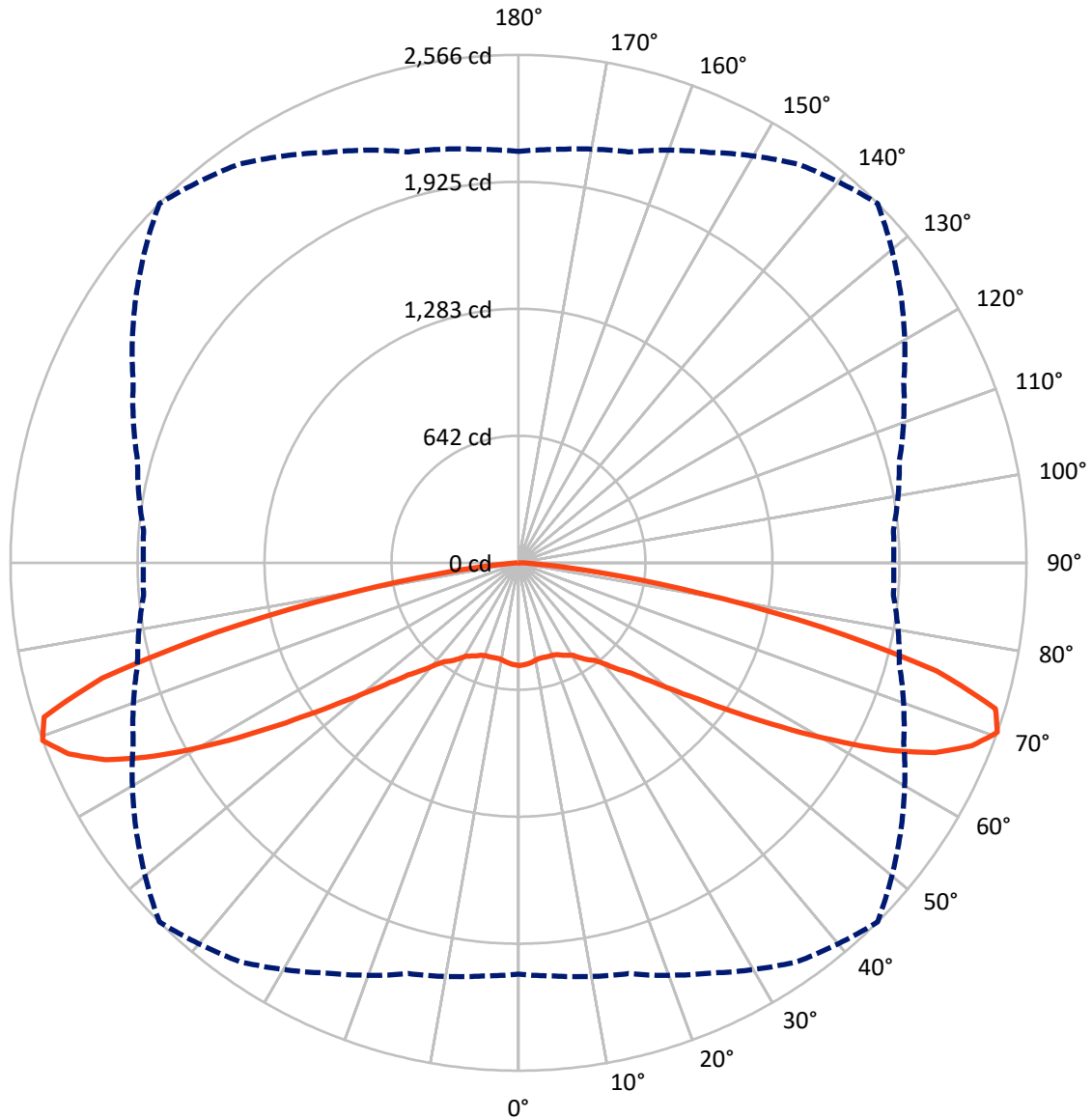
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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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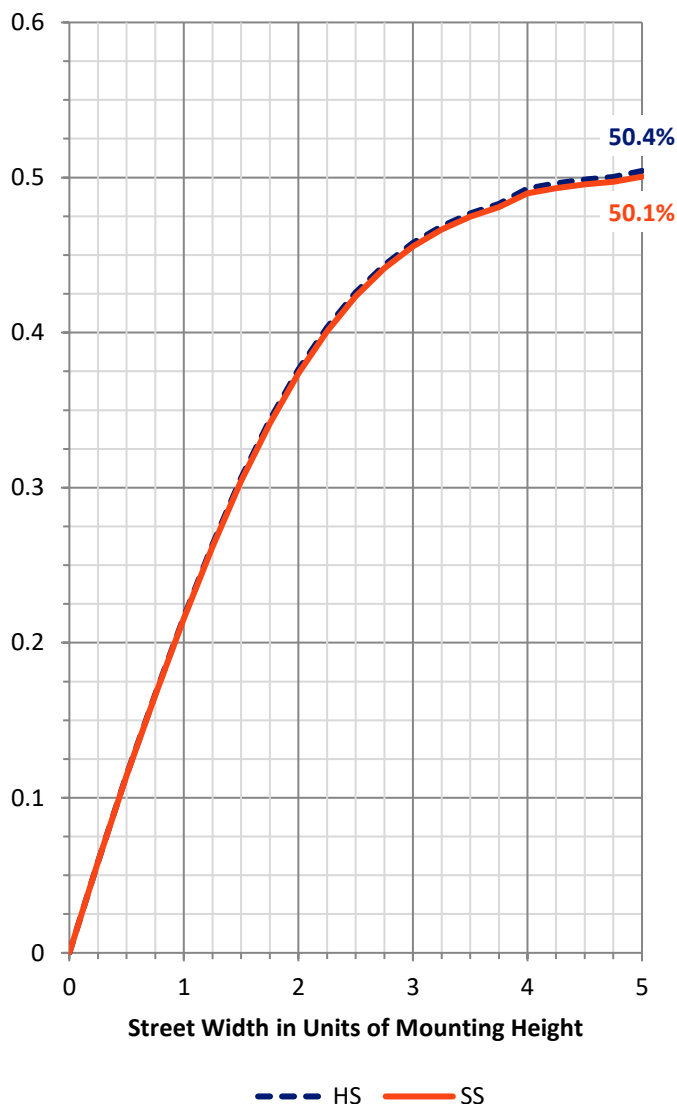
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3151.5	0.0	3151.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3151.5	0.0	3151.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6303.0	0.0	6303.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	0.8
10°-20°	141.4	2.2
20°-30°	241.1	3.8
30°-40°	376.8	6.0
40°-50°	638.5	10.1
50°-60°	1164.4	18.5
60°-70°	2004.6	31.8
70°-80°	1571.3	24.9
80°-90°	116.5	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°	6303.0	100.0
0°-180°	6303.0	100.0

Coefficient of Utilization



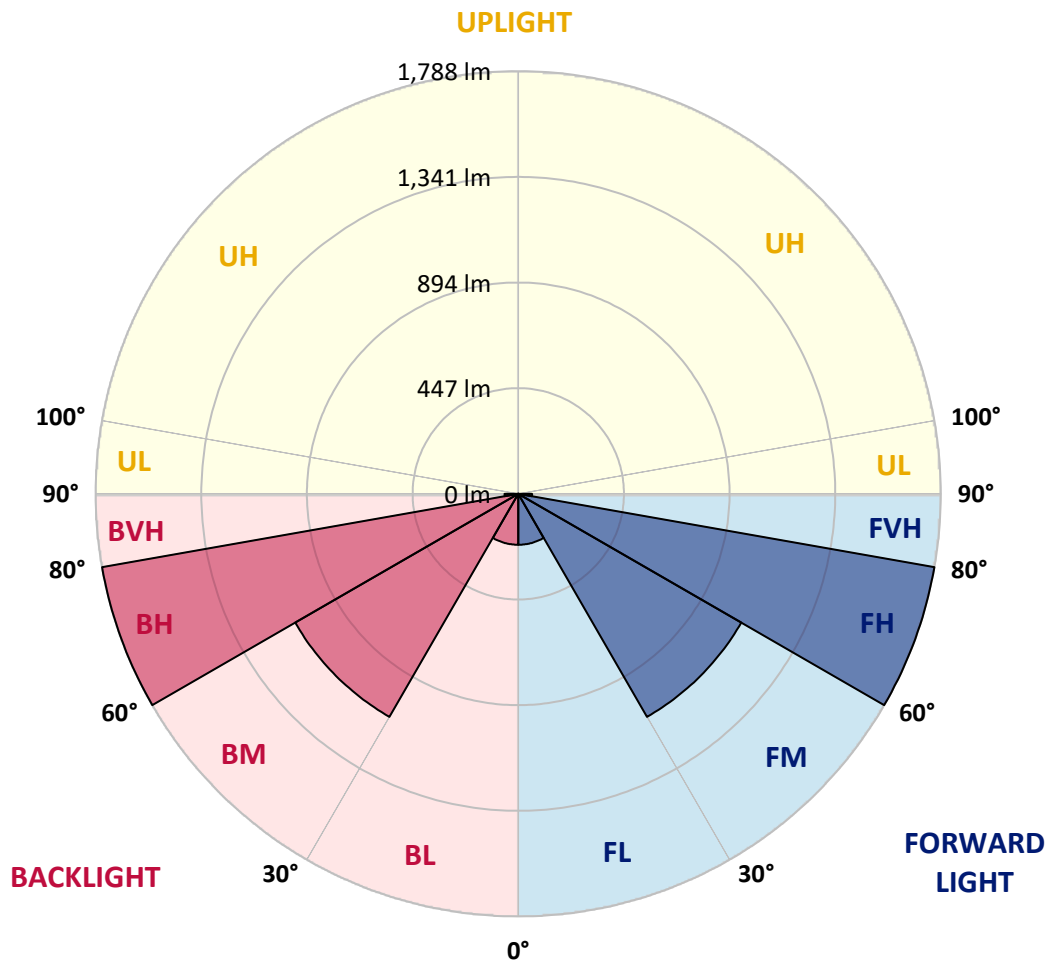
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.5	3.4			
FM (30°-60°)	1089.8	17.3			
FH (60°-80°)	1787.9	28.4			G1/1800
FVH (80°-90°)	58.2	0.9			G1/100
BL (0°-30°)	215.5	3.4	B1/500		
BM (30°-60°)	1089.8	17.3	B2/2500		
BH (60°-80°)	1787.9	28.4	B3/2500		G1/1800
BVH (80°-90°)	58.2	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°	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7	518.7
2.5°	516.4	517.1	516.4	516.9	515.8	516.2	516.2	516.2	516.0	516.2	515.8
5°	511.9	512.3	511.4	511.9	511.2	511.9	512.1	511.9	511.4	511.6	510.8
7.5°	505.0	505.4	504.8	505.4	504.6	505.6	505.4	504.8	504.1	504.1	503.3
10°	501.2	501.4	499.8	499.1	497.3	497.7	498.3	498.9	499.6	500.8	500.6
12.5°	501.4	501.4	498.9	496.2	493.5	494.1	495.2	497.5	500.0	502.3	502.5
15°	503.5	503.3	499.6	495.2	493.3	495.2	495.8	497.3	501.2	505.2	505.4
17.5°	505.0	505.0	499.1	494.1	493.9	496.8	496.6	497.3	501.6	507.5	507.7
20°	507.7	507.7	500.2	494.8	494.8	497.9	498.1	499.1	503.5	510.0	511.0
22.5°	513.7	513.9	506.0	501.6	502.1	503.9	504.6	506.2	510.2	517.3	518.5
25°	522.3	522.7	514.6	512.1	513.5	517.1	516.7	517.9	522.3	529.2	530.4
27.5°	534.2	533.1	525.6	524.6	526.0	528.5	528.3	528.5	532.1	538.3	539.8
30°	549.6	549.2	543.8	544.4	543.8	542.9	543.1	544.8	546.7	551.7	553.1
32.5°	564.6	565.0	561.7	564.8	569.4	572.5	567.7	563.1	561.1	563.8	565.0
35°	591.7	592.8	587.5	585.5	591.7	600.9	587.3	579.8	584.0	587.5	588.6
37.5°	637.8	638.4	629.7	621.3	616.7	625.5	611.9	612.6	627.2	633.8	633.6
40°	690.3	690.5	684.7	677.4	669.5	671.6	666.1	667.8	677.4	683.4	685.1
42.5°	752.9	752.3	743.1	732.7	730.4	732.4	723.3	722.0	733.1	743.9	744.1
45°	834.0	832.5	820.6	809.2	798.1	793.5	791.2	797.3	812.5	822.5	822.7
47.5°	921.3	917.4	911.1	902.0	892.4	887.8	884.0	886.9	898.0	902.0	902.4
50°	1011.2	1012.0	1013.3	1009.7	1006.2	1004.7	994.9	989.3	992.6	985.4	984.3
52.5°	1117.7	1119.4	1131.5	1141.7	1147.8	1150.9	1132.3	1113.0	1102.1	1087.9	1083.8
55°	1243.5	1246.2	1263.9	1292.3	1321.4	1336.9	1303.3	1267.0	1233.5	1207.0	1198.4
57.5°	1383.6	1388.4	1412.8	1467.2	1527.0	1563.5	1506.8	1440.9	1376.1	1337.9	1331.2
60°	1547.9	1552.5	1586.2	1664.2	1761.2	1816.0	1730.1	1622.3	1541.6	1505.1	1492.8
62.5°	1743.4	1743.9	1785.4	1876.5	2004.5	2080.8	1964.4	1820.4	1737.2	1693.2	1681.3
65°	1953.8	1954.9	1997.8	2096.2	2228.6	2311.6	2180.2	2030.1	1928.4	1863.5	1854.4
67.5°	2102.5	2106.9	2152.1	2270.5	2394.4	2469.2	2333.3	2163.6	2046.0	1968.6	1960.9
70°	2078.7	2095.8	2149.0	2287.2	2459.4	2566.2	2358.1	2147.7	1992.6	1901.3	1894.8
72.5°	1812.9	1845.6	1916.5	2097.9	2373.3	2520.3	2222.8	1923.6	1748.0	1670.3	1658.6
75°	1234.5	1287.7	1394.6	1656.3	2027.6	2182.1	1871.3	1533.7	1368.6	1261.0	1253.1
77.5°	550.4	562.5	698.0	999.3	1399.2	1567.1	1359.6	1003.3	753.1	600.7	568.6
80°	153.5	155.3	207.2	372.2	700.3	920.7	751.8	390.9	219.8	154.9	145.9
82.5°	48.8	53.0	64.6	96.5	235.4	420.1	241.6	104.2	74.2	59.2	53.4
85°	23.8	23.6	32.7	39.2	60.0	93.0	64.0	48.4	42.3	28.1	25.4
87.5°	10.0	10.2	15.2	13.8	17.5	15.0	20.6	21.7	22.7	12.5	10.8
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)