

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: P316195

Luminaire Tested: **GAN-SA1B-750-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316195  
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-750-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6302 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

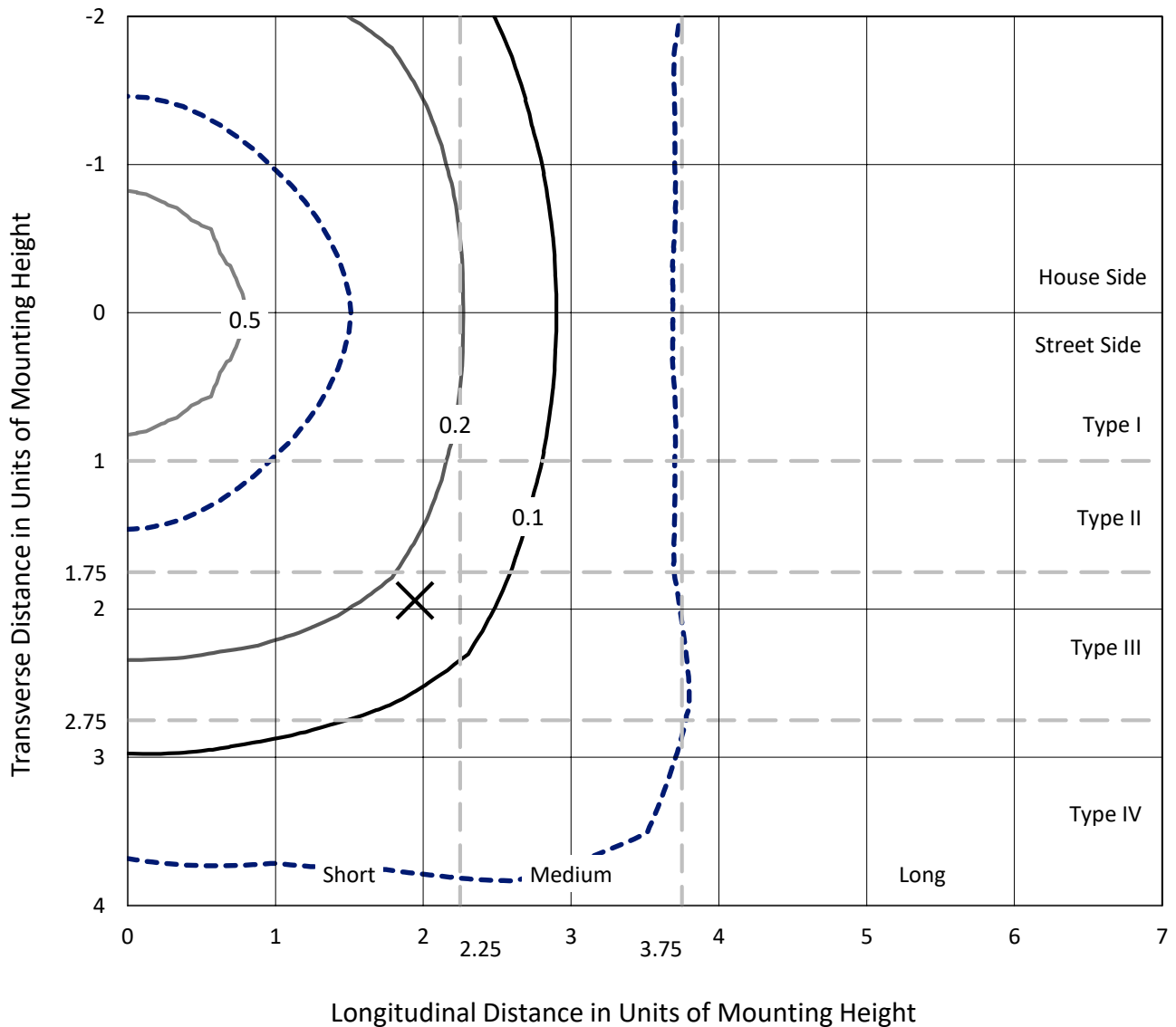
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

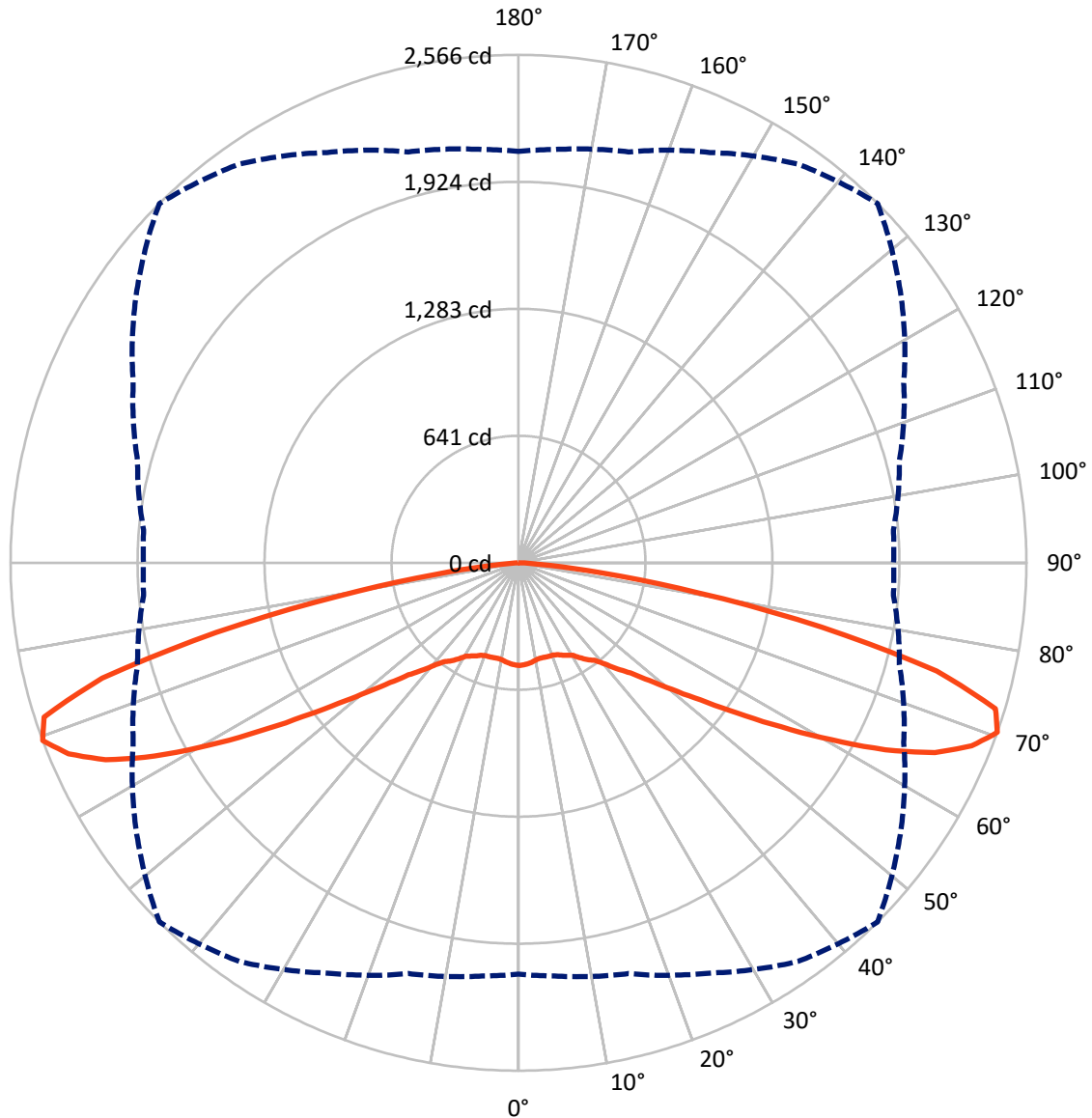
✕ Max cd  
 - - - 1/2 Max cd



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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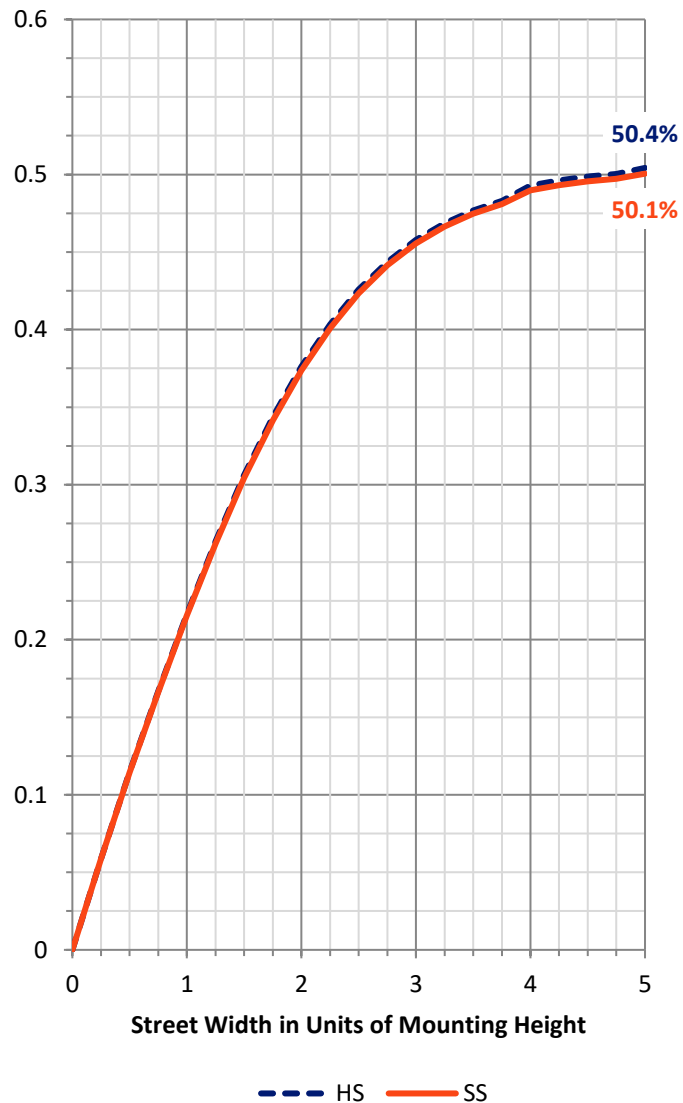
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3151.0	0.0	3151.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3151.0	0.0	3151.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6302.0	0.0	6302.0
	% 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°	376.7	6.0
40°-50°	638.4	10.1
50°-60°	1164.2	18.5
60°-70°	2004.3	31.8
70°-80°	1571.0	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°	6302.0	100.0
0°-180°	6302.0	100.0

**Coefficient of Utilization**

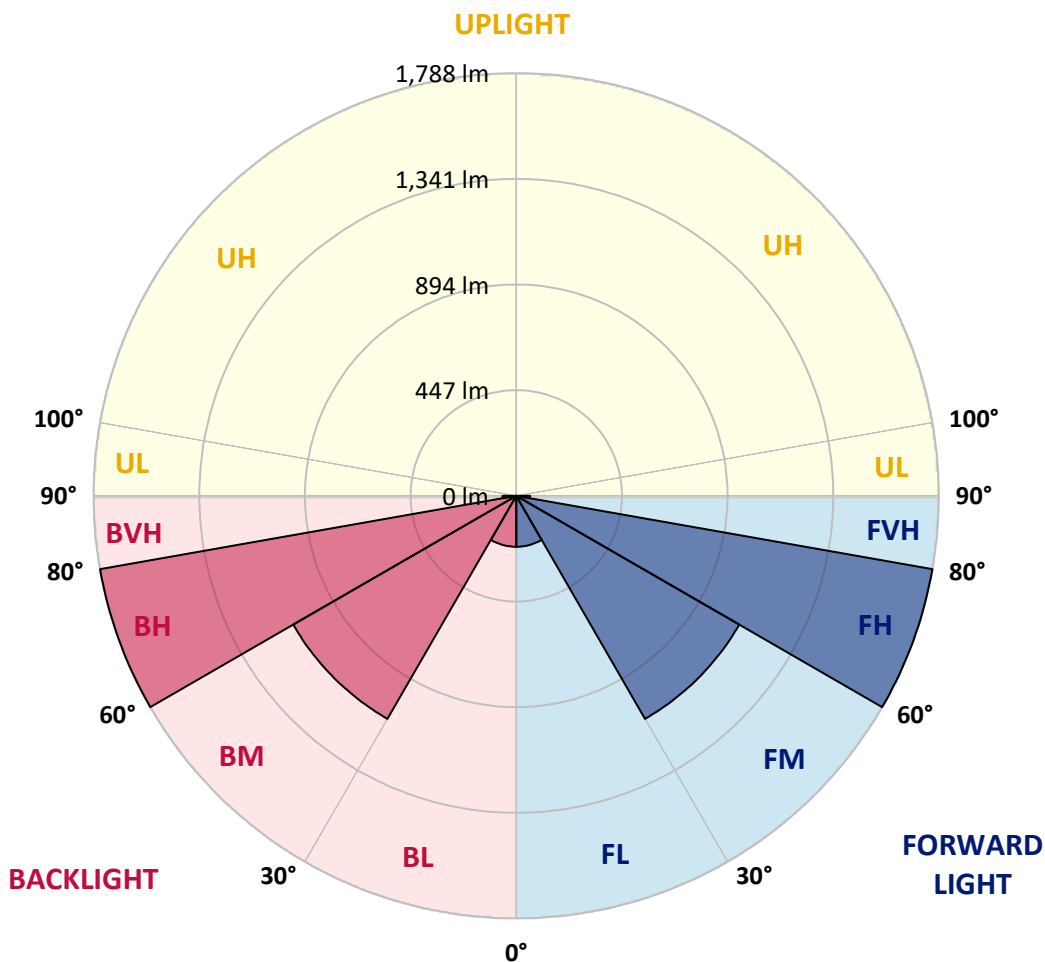


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.4	3.4			
FM (30°-60°)	1089.7	17.3			
FH (60°-80°)	1787.6	28.4			G1/1800
FVH (80°-90°)	58.2	0.9			G1/100
BL (0°-30°)	215.4	3.4	B1/500		
BM (30°-60°)	1089.7	17.3	B2/2500		
BH (60°-80°)	1787.6	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	517.0	516.4	516.8	515.7	516.2	516.2	516.2	515.9	516.2	515.7
5°	511.8	512.2	511.4	511.8	511.2	511.8	512.0	511.8	511.4	511.6	510.7
7.5°	504.9	505.3	504.7	505.3	504.5	505.5	505.3	504.7	504.1	504.1	503.2
10°	501.1	501.4	499.7	499.1	497.2	497.6	498.2	498.9	499.5	500.7	500.5
12.5°	501.4	501.4	498.9	496.1	493.4	494.1	495.1	497.4	499.9	502.2	502.4
15°	503.4	503.2	499.5	495.1	493.2	495.1	495.7	497.2	501.1	505.1	505.3
17.5°	504.9	504.9	499.1	494.1	493.8	496.8	496.6	497.2	501.6	507.4	507.6
20°	507.6	507.6	500.1	494.7	494.7	497.8	498.0	499.1	503.4	509.9	510.9
22.5°	513.7	513.9	505.9	501.6	502.0	503.9	504.5	506.1	510.1	517.2	518.4
25°	522.2	522.6	514.5	512.0	513.4	517.0	516.6	517.8	522.2	529.1	530.3
27.5°	534.1	533.0	525.5	524.5	526.0	528.5	528.2	528.5	532.0	538.3	539.7
30°	549.5	549.1	543.7	544.3	543.7	542.8	543.0	544.7	546.6	551.6	553.1
32.5°	564.5	564.9	561.6	564.7	569.3	572.4	567.6	563.1	561.0	563.7	564.9
35°	591.6	592.7	587.4	585.4	591.6	600.8	587.2	579.7	583.9	587.4	588.5
37.5°	637.7	638.3	629.6	621.2	616.6	625.4	611.8	612.5	627.1	633.7	633.5
40°	690.2	690.4	684.6	677.3	669.4	671.5	666.0	667.7	677.3	683.3	685.0
42.5°	752.8	752.1	743.0	732.5	730.2	732.3	723.2	721.9	733.0	743.8	744.0
45°	833.9	832.4	820.5	809.0	798.0	793.4	791.1	797.2	812.4	822.4	822.6
47.5°	921.2	917.2	911.0	901.8	892.2	887.6	883.9	886.8	897.8	901.8	902.2
50°	1011.0	1011.9	1013.1	1009.6	1006.0	1004.6	994.8	989.2	992.5	985.2	984.2
52.5°	1117.6	1119.2	1131.3	1141.5	1147.6	1150.7	1132.2	1112.8	1101.9	1087.8	1083.6
55°	1243.3	1246.0	1263.7	1292.1	1321.2	1336.7	1303.1	1266.8	1233.3	1206.8	1198.2
57.5°	1383.4	1388.2	1412.5	1467.0	1526.8	1563.3	1506.6	1440.7	1375.9	1337.7	1331.0
60°	1547.6	1552.2	1586.0	1664.0	1760.9	1815.7	1729.8	1622.0	1541.4	1504.9	1492.6
62.5°	1743.2	1743.6	1785.1	1876.2	2004.2	2080.5	1964.1	1820.1	1736.9	1692.9	1681.0
65°	1953.5	1954.5	1997.5	2095.9	2228.3	2311.2	2179.9	2029.8	1928.1	1863.2	1854.1
67.5°	2102.1	2106.5	2151.8	2270.2	2394.0	2468.8	2332.9	2163.2	2045.6	1968.3	1960.6
70°	2078.4	2095.5	2148.6	2286.8	2459.0	2565.8	2357.7	2147.4	1992.3	1901.0	1894.5
72.5°	1812.6	1845.3	1916.2	2097.6	2372.9	2519.9	2222.4	1923.3	1747.8	1670.0	1658.3
75°	1234.3	1287.5	1394.4	1656.0	2027.3	2181.8	1871.0	1533.5	1368.3	1260.8	1252.9
77.5°	550.3	562.4	697.9	999.2	1399.0	1566.8	1359.4	1003.1	753.0	600.6	568.5
80°	153.4	155.3	207.2	372.1	700.2	920.6	751.7	390.9	219.7	154.9	145.9
82.5°	48.8	52.9	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)