

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: P402608

Luminaire Tested: **GAN-AF-06-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402608  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/8/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-AF-06-LED-U-5WQ-AMB  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6331 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

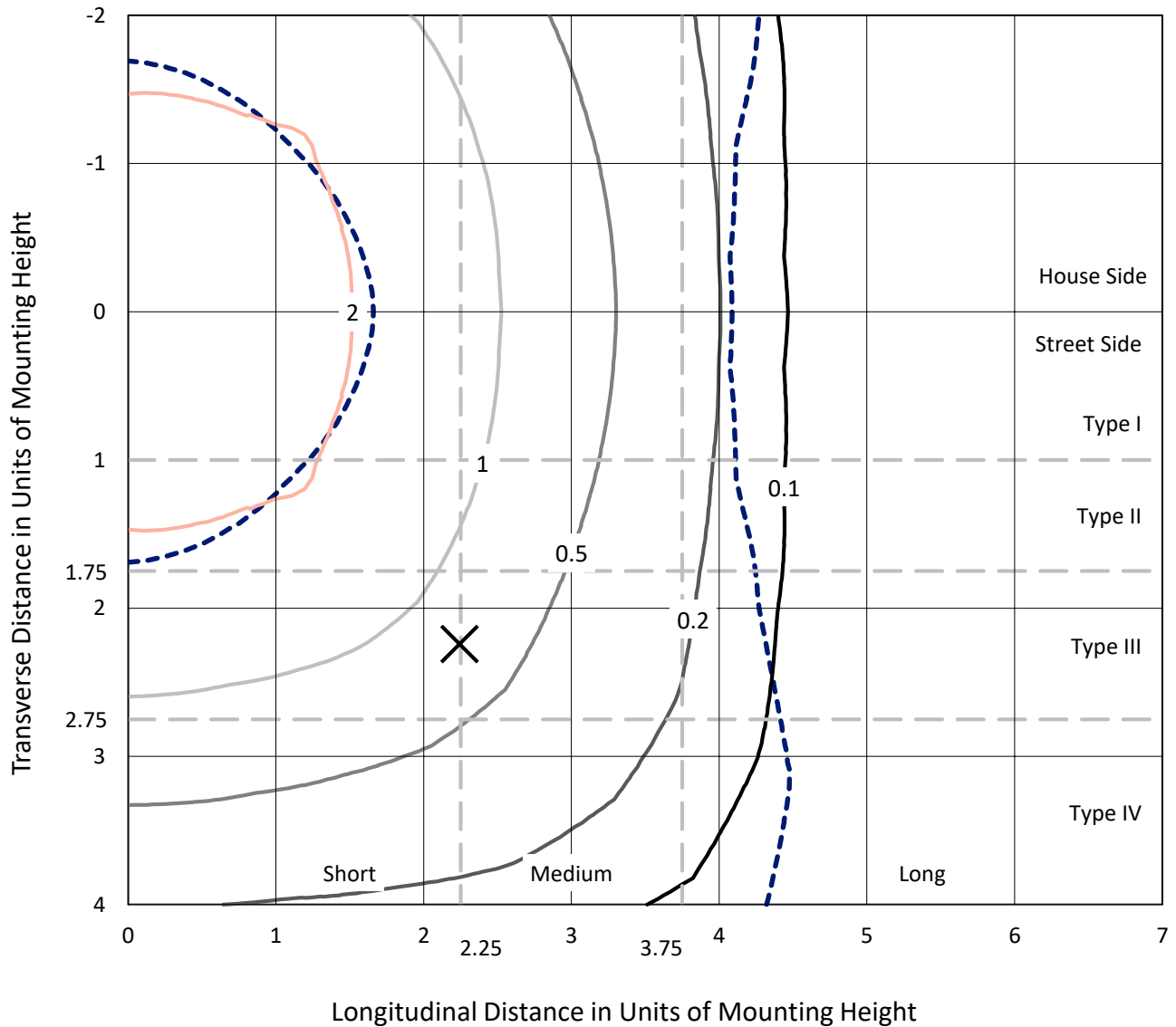
Input Watts (W): 119  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

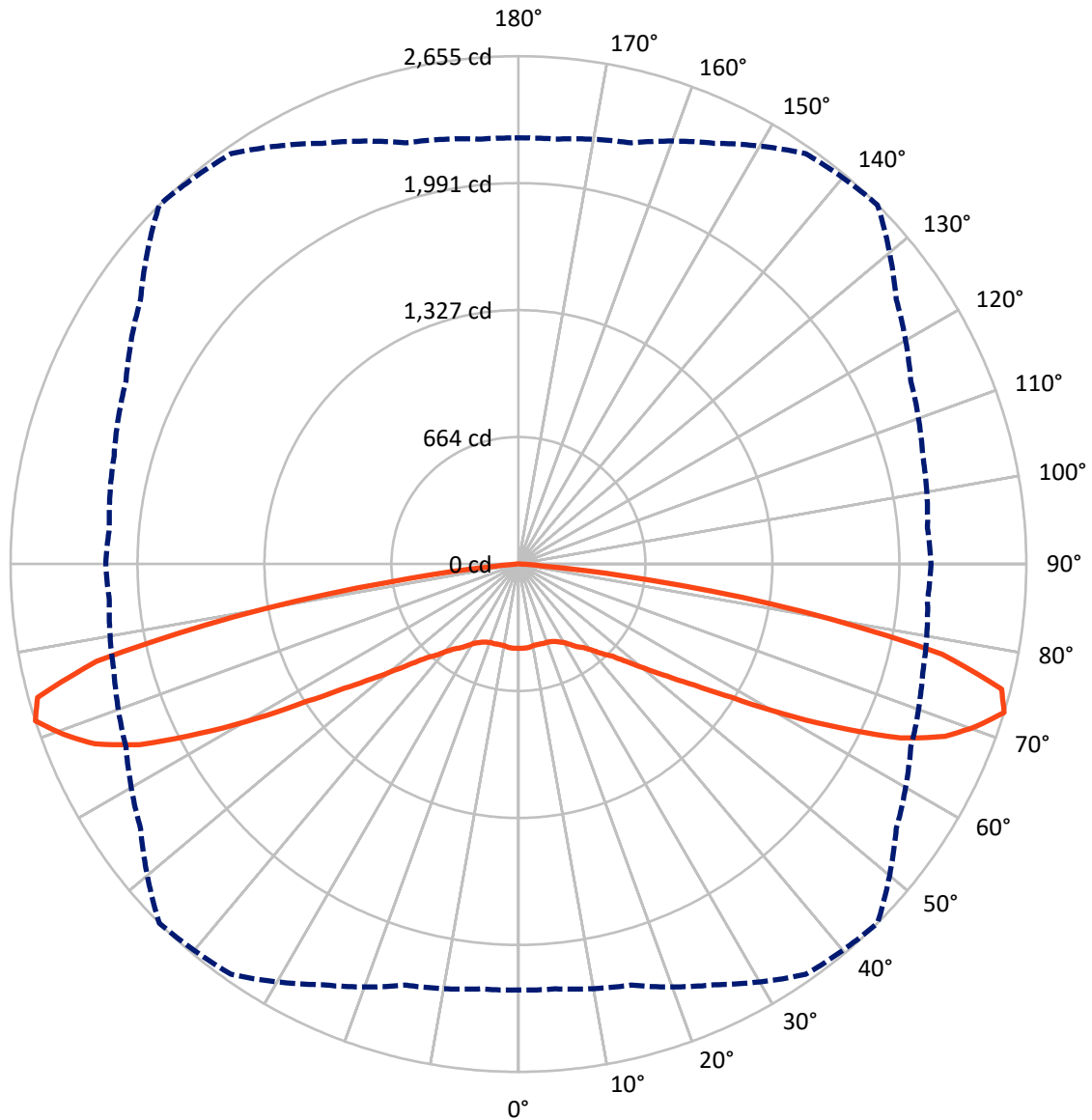
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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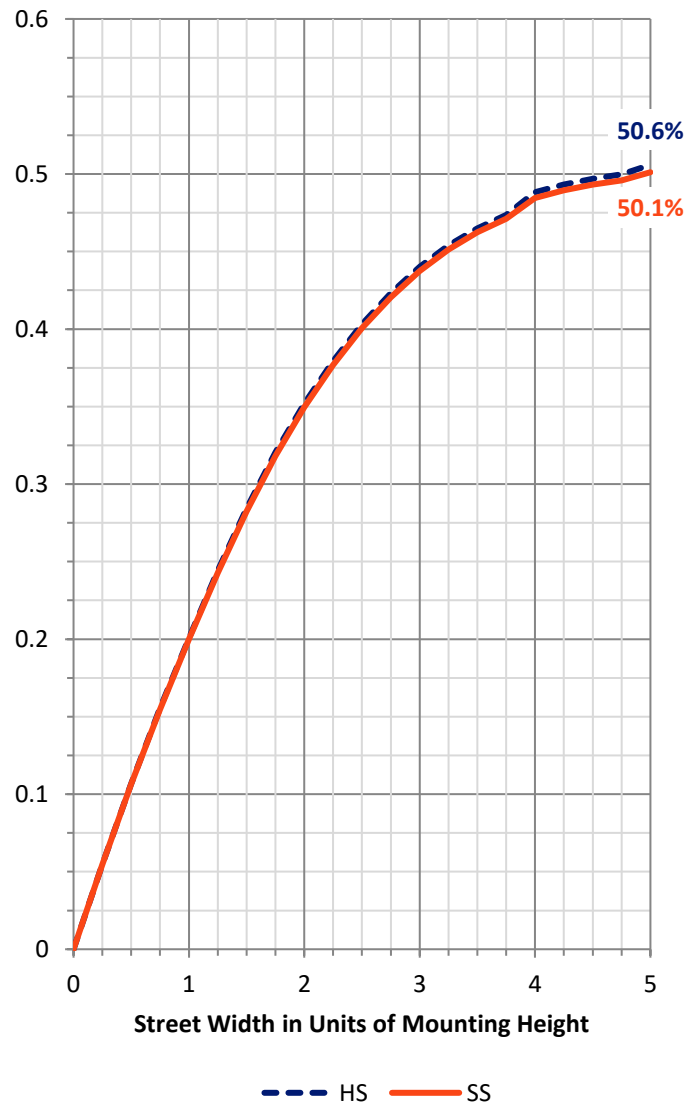
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3165.5	0.0	3165.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3165.5	0.0	3165.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6331.0	0.0	6331.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.9	0.7
10°-20°	124.4	2.0
20°-30°	213.0	3.4
30°-40°	334.0	5.3
40°-50°	552.8	8.7
50°-60°	1019.2	16.1
60°-70°	1893.3	29.9
70°-80°	1971.3	31.1
80°-90°	181.1	2.9
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°	6331.0	100.0
0°-180°	6331.0	100.0



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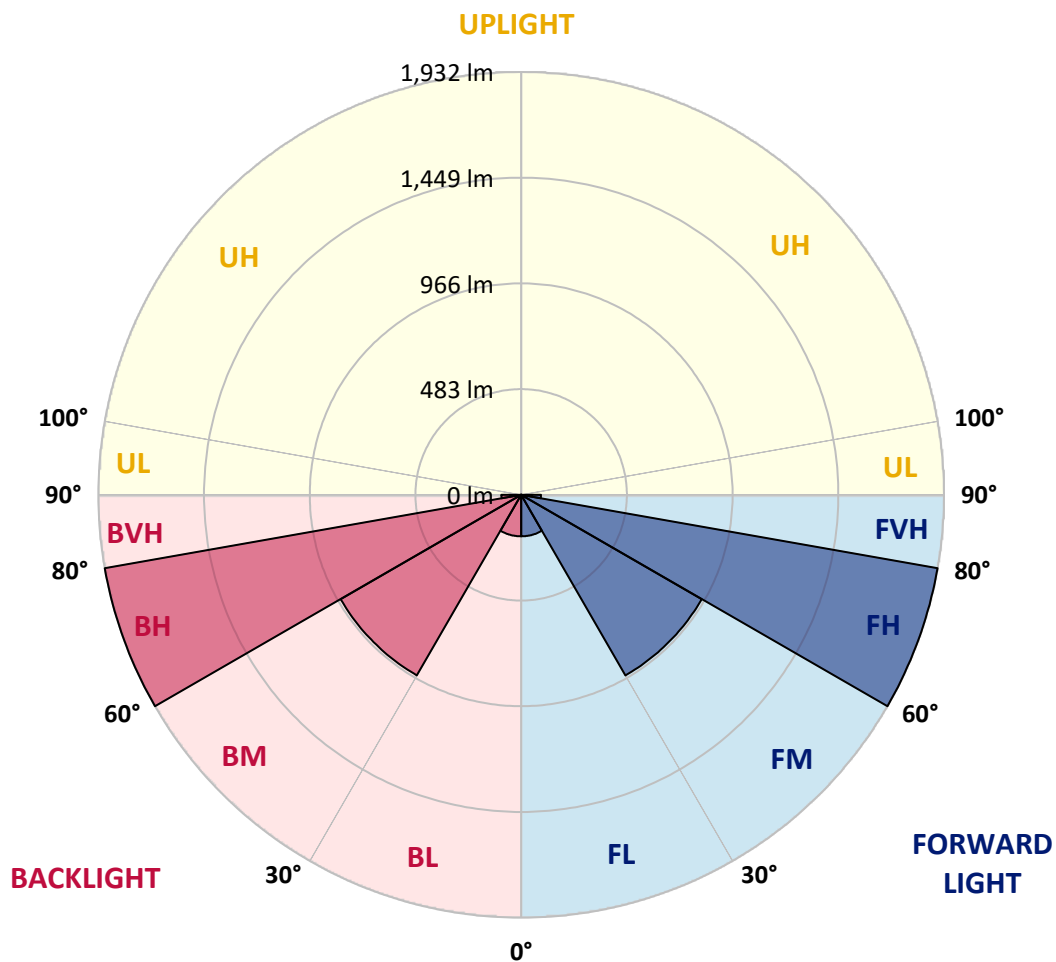
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.6	3.0			
FM (30°-60°)	953.0	15.1			
FH (60°-80°)	1932.3	30.5			G2/5000
FVH (80°-90°)	90.6	1.4			G1/100
BL (0°-30°)	189.6	3.0	B1/500		
BM (30°-60°)	953.0	15.1	B1/1000		
BH (60°-80°)	1932.3	30.5	B3/2500		G2/5000
BVH (80°-90°)	90.6	1.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7
2.5°	443.3	443.3	443.3	440.7	440.7	440.7	440.7	440.7	440.7	440.7	440.7
5°	443.3	443.3	443.3	443.3	440.7	440.7	440.7	438.1	438.1	438.1	440.7
7.5°	440.7	443.3	440.7	440.7	438.1	438.1	435.5	435.5	435.5	435.5	435.5
10°	443.3	443.3	440.7	438.1	435.5	432.9	432.9	432.9	432.9	435.5	435.5
12.5°	445.9	445.9	440.7	435.5	435.5	432.9	432.9	432.9	432.9	435.5	438.1
15°	448.5	448.5	443.3	435.5	435.5	432.9	432.9	432.9	438.1	440.7	443.3
17.5°	453.7	451.1	443.3	438.1	435.5	435.5	435.5	435.5	440.7	445.9	445.9
20°	453.7	453.7	445.9	438.1	438.1	435.5	438.1	438.1	443.3	448.5	451.1
22.5°	461.4	458.8	448.5	443.3	440.7	440.7	443.3	443.3	448.5	453.7	456.2
25°	469.2	469.2	458.8	451.1	448.5	448.5	451.1	451.1	456.2	464.0	466.6
27.5°	484.8	482.2	471.8	464.0	461.4	461.4	466.6	466.6	469.2	477.0	479.6
30°	497.7	497.7	487.4	484.8	479.6	477.0	482.2	487.4	487.4	492.5	495.1
32.5°	508.1	508.1	502.9	502.9	505.5	502.9	508.1	505.5	502.9	508.1	508.1
35°	526.2	526.2	521.1	518.5	528.8	531.4	528.8	521.1	521.1	526.2	528.8
37.5°	554.8	554.8	549.6	544.4	547.0	554.8	547.0	544.4	549.6	557.3	559.9
40°	596.2	598.8	593.6	591.0	583.3	591.0	583.3	588.5	596.2	601.4	601.4
42.5°	642.9	645.5	637.7	632.5	635.1	640.3	629.9	632.5	642.9	650.7	650.7
45°	715.5	712.9	699.9	692.1	684.4	687.0	681.8	694.7	705.1	718.1	723.3
47.5°	785.5	782.9	777.7	769.9	759.5	762.1	762.1	772.5	785.5	798.4	798.4
50°	873.6	873.6	865.8	860.6	852.9	858.1	852.9	865.8	881.4	891.8	894.3
52.5°	974.7	972.1	972.1	969.5	964.3	974.7	966.9	982.5	995.4	998.0	1003.2
55°	1081.0	1088.8	1099.1	1099.1	1106.9	1117.3	1112.1	1114.7	1125.1	1114.7	1119.9
57.5°	1218.4	1226.2	1241.7	1262.5	1288.4	1316.9	1298.7	1285.8	1265.0	1249.5	1246.9
60°	1361.0	1368.7	1399.8	1462.1	1526.9	1589.1	1534.6	1475.0	1428.4	1389.5	1386.9
62.5°	1516.5	1529.5	1573.5	1666.8	1791.3	1884.6	1799.1	1682.4	1596.9	1537.2	1539.8
65°	1721.3	1729.1	1775.7	1884.6	2079.0	2193.1	2060.9	1905.3	1799.1	1731.7	1734.2
67.5°	2029.8	2024.6	2047.9	2151.6	2312.3	2405.7	2247.5	2120.5	2011.6	1933.9	1946.8
70°	2244.9	2242.3	2257.9	2366.8	2522.3	2540.5	2382.3	2239.7	2149.0	2102.4	2102.4
72.5°	2226.8	2229.4	2278.6	2426.4	2618.2	2654.5	2410.8	2263.1	2187.9	2146.4	2156.8
75°	1801.6	1806.8	1946.8	2216.4	2537.9	2607.9	2346.0	2097.2	1879.4	1760.2	1739.4
77.5°	865.8	873.6	1081.0	1526.9	2047.9	2263.1	2029.8	1506.1	1101.7	894.3	915.1
80°	261.8	269.6	357.7	627.3	1171.7	1511.3	1213.2	619.6	316.3	230.7	230.7
82.5°	57.0	70.0	83.0	137.4	404.4	689.6	404.4	152.9	93.3	67.4	62.2
85°	31.1	31.1	46.7	49.3	64.8	114.1	77.8	62.2	54.4	36.3	36.3
87.5°	13.0	13.0	23.3	23.3	25.9	18.1	28.5	31.1	31.1	18.1	18.1
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)