

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: P402616

Luminaire Tested: **GAN-AF-07-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402616  
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-07-LED-U-5WQ-AMB  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 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: 7487 lumens  
Efficiency: N/A  
Efficacy: 53.9 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U0 - G2

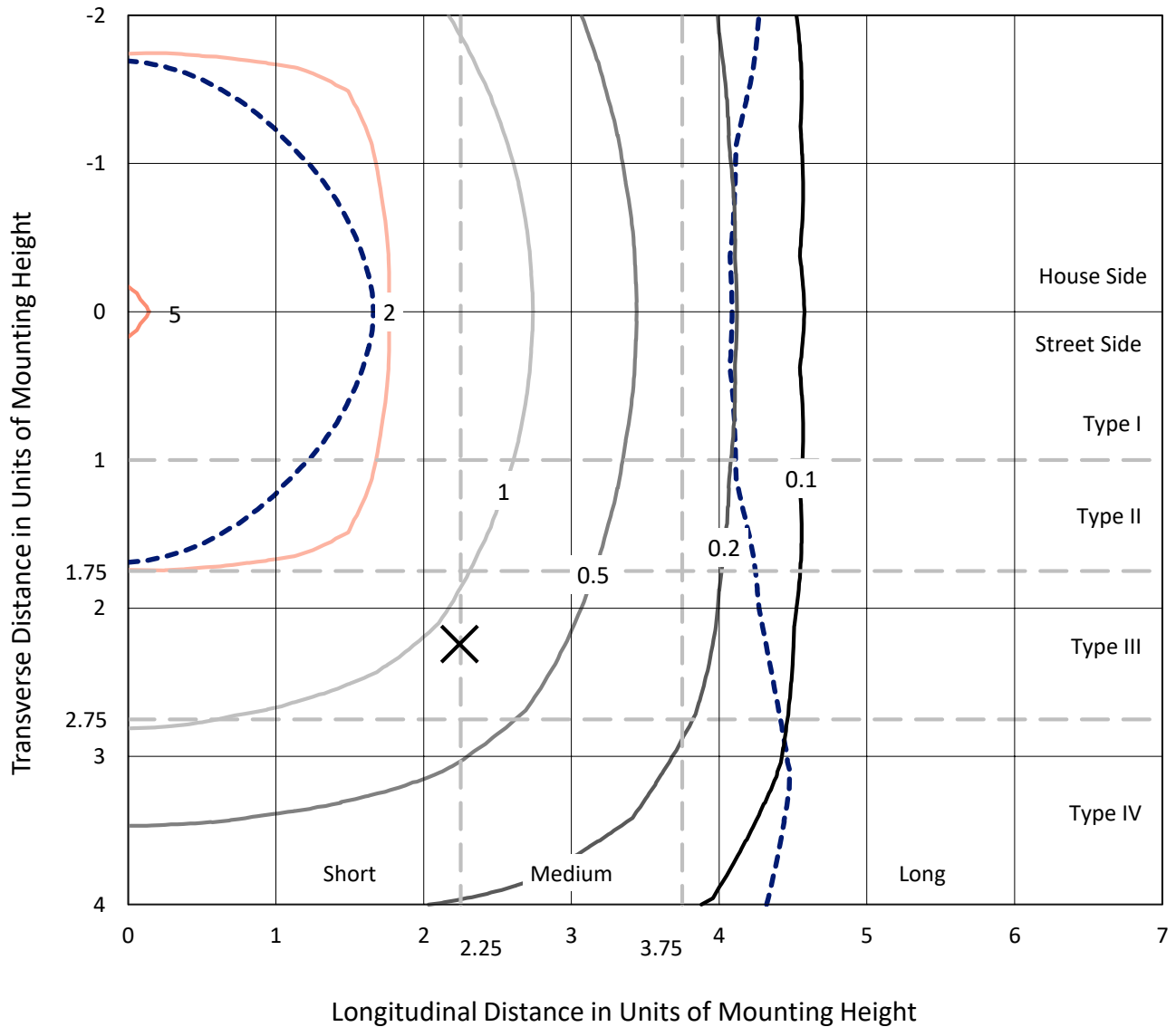
Input Watts (W): 138.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

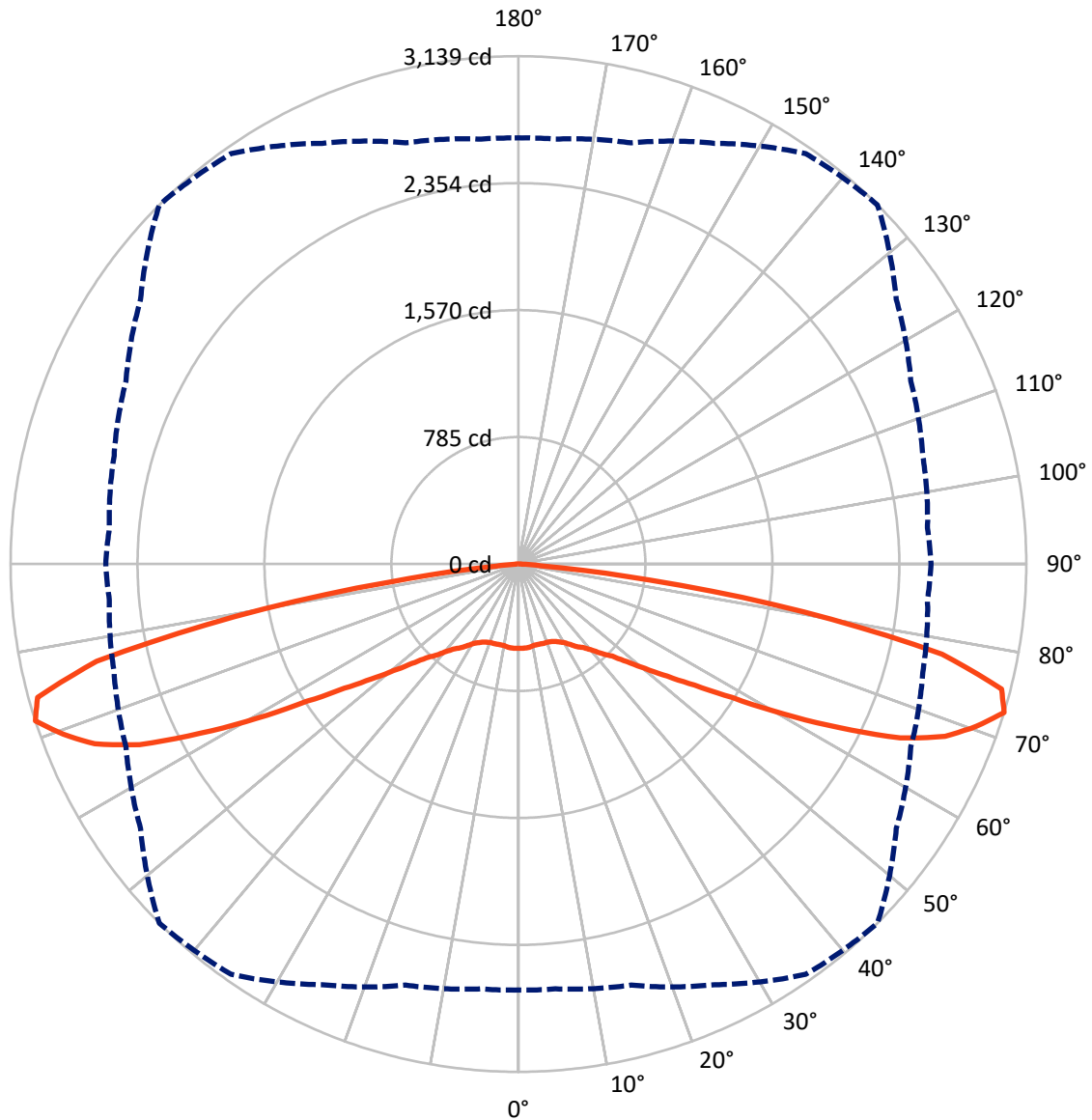
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.2 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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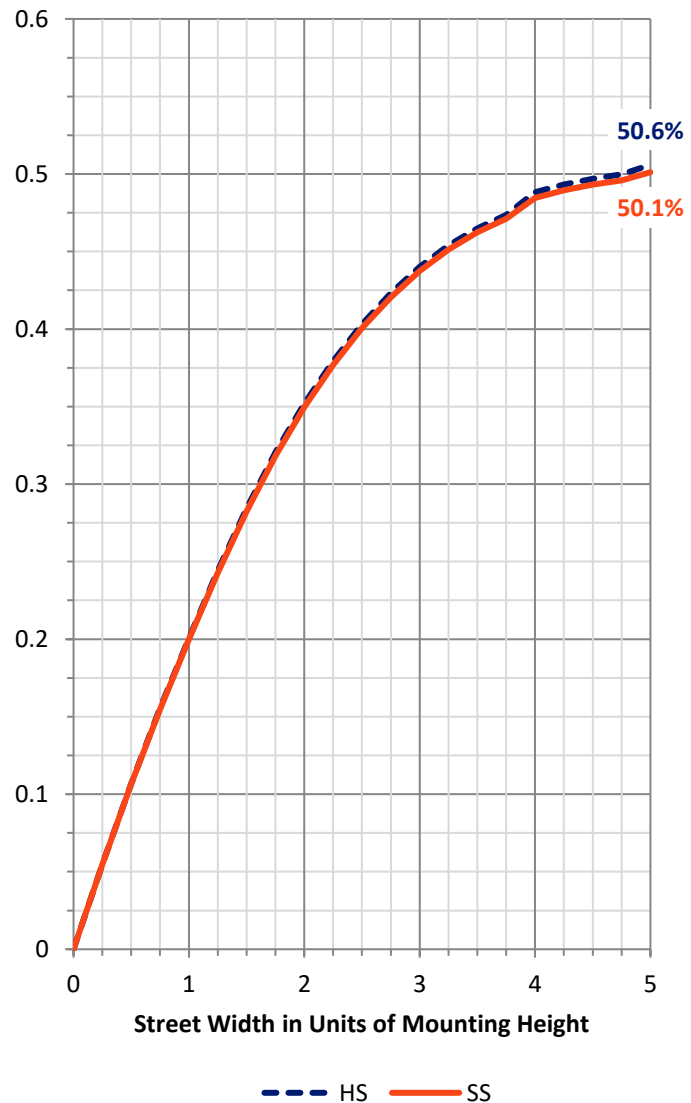
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3743.5	0.0	3743.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3743.5	0.0	3743.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7487.0	0.0	7487.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.5	0.7
10°-20°	147.1	2.0
20°-30°	251.9	3.4
30°-40°	395.0	5.3
40°-50°	653.7	8.7
50°-60°	1205.3	16.1
60°-70°	2239.0	29.9
70°-80°	2331.3	31.1
80°-90°	214.2	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°	7487.0	100.0
0°-180°	7487.0	100.0



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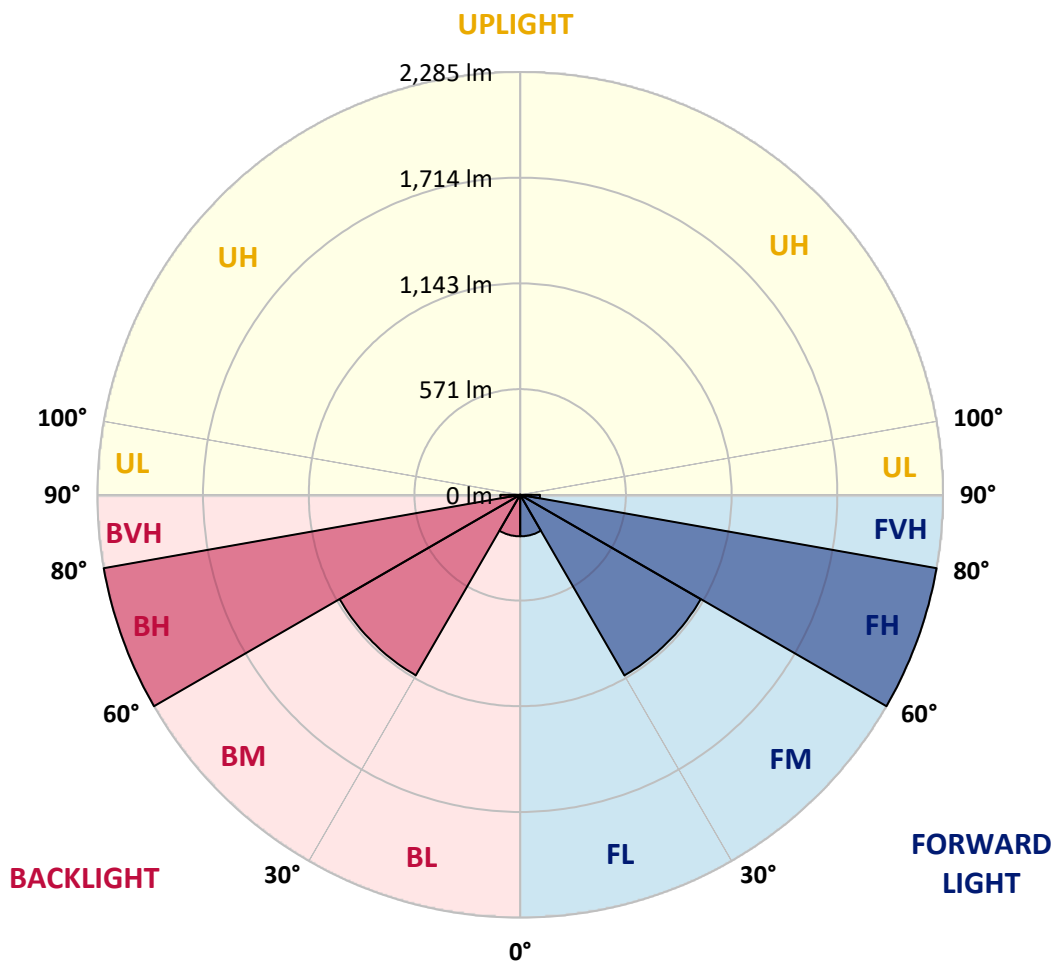
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	224.2	3.0			
FM	(30°-60°)	1127.0	15.1			
FH	(60°-80°)	2285.1	30.5			G2/5000
FVH	(80°-90°)	107.1	1.4			G2/225
BL	(0°-30°)	224.2	3.0	B1/500		
BM	(30°-60°)	1127.0	15.1	B2/2500		
BH	(60°-80°)	2285.1	30.5	B3/2500		G2/5000
BVH	(80°-90°)	107.1	1.4			G2/225
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°	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2
2.5°	524.2	524.2	524.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2	521.2
5°	524.2	524.2	524.2	524.2	521.2	521.2	521.2	518.1	518.1	518.1	521.2
7.5°	521.2	524.2	521.2	521.2	518.1	518.1	515.0	515.0	515.0	515.0	515.0
10°	524.2	524.2	521.2	518.1	515.0	512.0	512.0	512.0	512.0	515.0	515.0
12.5°	527.3	527.3	521.2	515.0	515.0	512.0	512.0	512.0	512.0	515.0	518.1
15°	530.4	530.4	524.2	515.0	515.0	512.0	512.0	512.0	518.1	521.2	524.2
17.5°	536.5	533.4	524.2	518.1	515.0	515.0	515.0	515.0	521.2	527.3	527.3
20°	536.5	536.5	527.3	518.1	518.1	515.0	518.1	518.1	524.2	530.4	533.4
22.5°	545.7	542.6	530.4	524.2	521.2	521.2	524.2	524.2	530.4	536.5	539.6
25°	554.9	554.9	542.6	533.4	530.4	530.4	533.4	533.4	539.6	548.7	551.8
27.5°	573.3	570.2	557.9	548.7	545.7	545.7	551.8	551.8	554.9	564.1	567.1
30°	588.6	588.6	576.3	573.3	567.1	564.1	570.2	576.3	576.3	582.5	585.5
32.5°	600.9	600.9	594.7	594.7	597.8	594.7	600.9	597.8	594.7	600.9	600.9
35°	622.3	622.3	616.2	613.1	625.4	628.5	625.4	616.2	616.2	622.3	625.4
37.5°	656.0	656.0	649.9	643.8	646.8	656.0	646.8	643.8	649.9	659.1	662.2
40°	705.1	708.2	702.0	699.0	689.8	699.0	689.8	695.9	705.1	711.2	711.2
42.5°	760.3	763.3	754.1	748.0	751.1	757.2	745.0	748.0	760.3	769.5	769.5
45°	846.1	843.1	827.7	818.5	809.3	812.4	806.3	821.6	833.9	849.2	855.3
47.5°	928.9	925.8	919.7	910.5	898.2	901.3	901.3	913.6	928.9	944.2	944.2
50°	1033.1	1033.1	1023.9	1017.8	1008.6	1014.7	1008.6	1023.9	1042.3	1054.6	1057.6
52.5°	1152.7	1149.6	1149.6	1146.5	1140.4	1152.7	1143.5	1161.9	1177.2	1180.3	1186.4
55°	1278.4	1287.6	1299.8	1299.8	1309.0	1321.3	1315.2	1318.2	1330.5	1318.2	1324.4
57.5°	1440.9	1450.0	1468.4	1493.0	1523.6	1557.3	1535.9	1520.6	1496.0	1477.6	1474.6
60°	1609.5	1618.7	1655.4	1729.0	1805.7	1879.2	1814.9	1744.3	1689.2	1643.2	1640.1
62.5°	1793.4	1808.7	1860.8	1971.2	2118.4	2228.7	2127.6	1989.6	1888.4	1817.9	1821.0
65°	2035.6	2044.8	2100.0	2228.7	2458.6	2593.5	2437.2	2253.2	2127.6	2047.8	2050.9
67.5°	2400.4	2394.3	2421.9	2544.5	2734.5	2844.9	2657.9	2507.7	2378.9	2287.0	2302.3
70°	2654.8	2651.8	2670.2	2798.9	2982.9	3004.3	2817.3	2648.7	2541.4	2486.2	2486.2
72.5°	2633.4	2636.4	2694.7	2869.4	3096.3	3139.2	2851.0	2676.3	2587.4	2538.3	2550.6
75°	2130.6	2136.7	2302.3	2621.1	3001.3	3084.0	2774.4	2480.1	2222.6	2081.6	2057.0
77.5°	1023.9	1033.1	1278.4	1805.7	2421.9	2676.3	2400.4	1781.1	1302.9	1057.6	1082.2
80°	309.6	318.8	423.1	741.9	1385.7	1787.3	1434.7	732.7	374.0	272.8	272.8
82.5°	67.4	82.8	98.1	162.5	478.2	815.5	478.2	180.9	110.4	79.7	73.6
85°	36.8	36.8	55.2	58.2	76.6	134.9	92.0	73.6	64.4	42.9	42.9
87.5°	15.3	15.3	27.6	27.6	30.7	21.5	33.7	36.8	36.8	21.5	21.5
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)