

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: P402600

Luminaire Tested: **GAN-AF-05-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P402600  
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-05-LED-U-5WQ-AMB  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 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: 5378 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 - G1

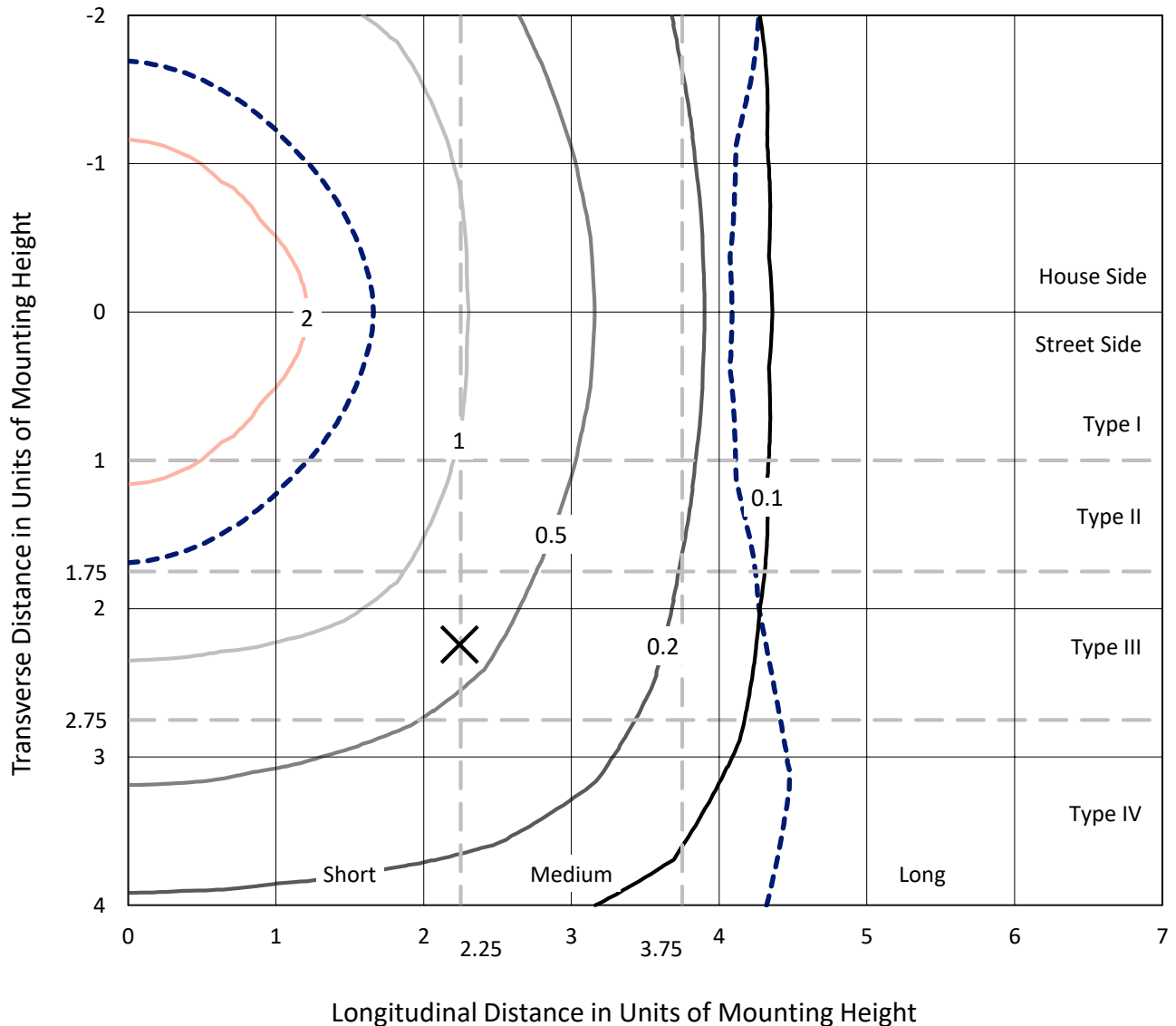
Input Watts (W): 101  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P402600  
 CATALOG NUMBER: GAN-AF-05-LED-U-5WQ-AMB

### Iso-Footcandle Lines of Horizontal Illumination

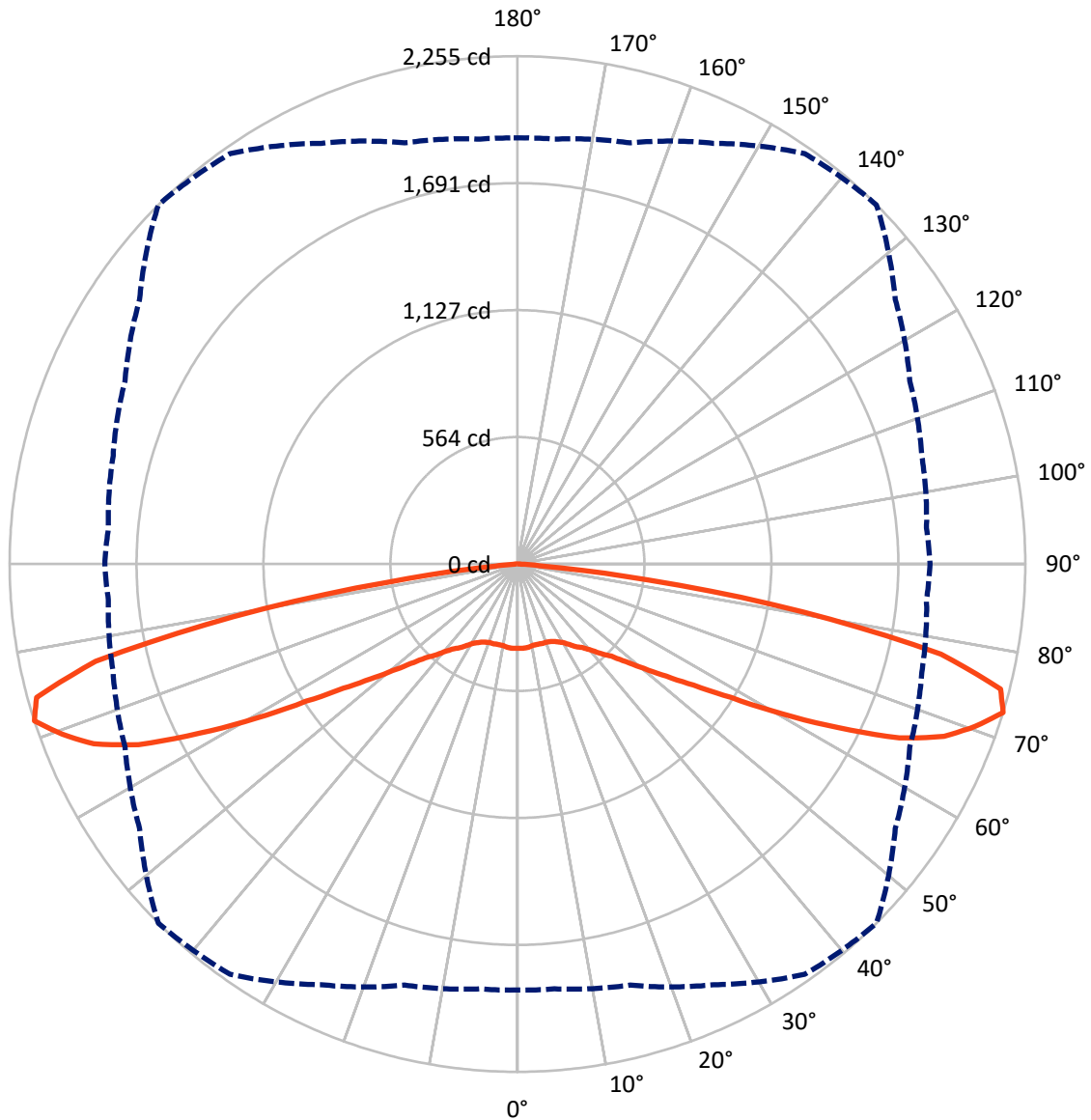
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P402600  
CATALOG NUMBER: GAN-AF-05-LED-U-5WQ-AMB

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P402600

CATALOG NUMBER: GAN-AF-05-LED-U-5WQ-AMB

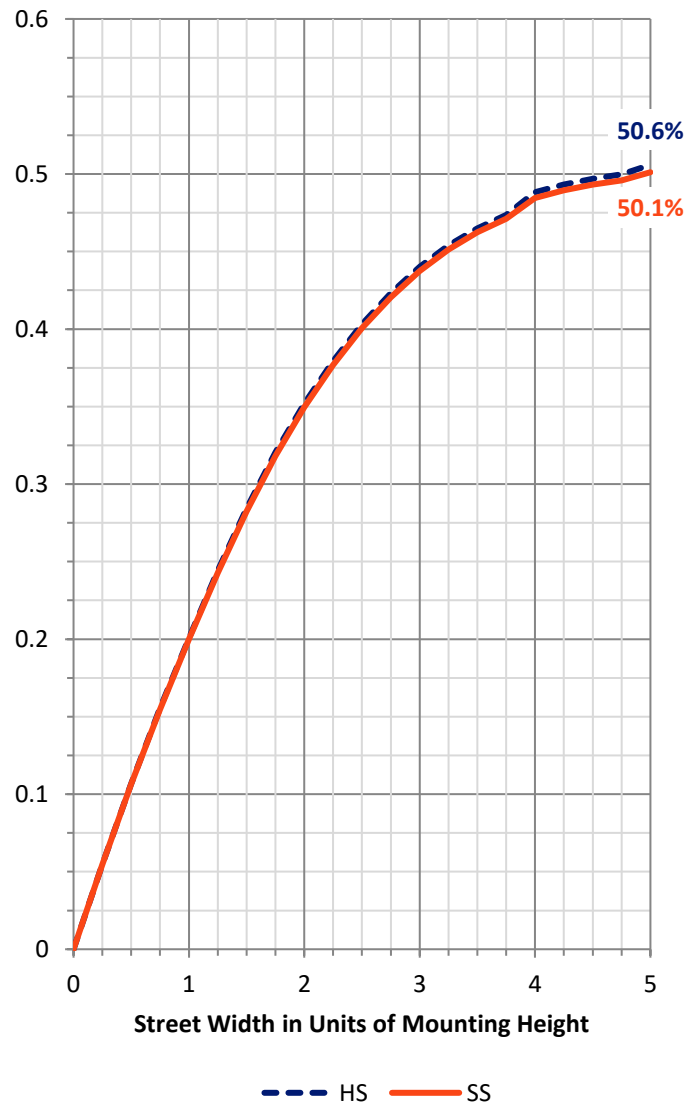
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2689.0	0.0	2689.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2689.0	0.0	2689.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5378.0	0.0	5378.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.6	0.7
10°-20°	105.6	2.0
20°-30°	181.0	3.4
30°-40°	283.7	5.3
40°-50°	469.6	8.7
50°-60°	865.8	16.1
60°-70°	1608.3	29.9
70°-80°	1674.6	31.1
80°-90°	153.9	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°	5378.0	100.0
0°-180°	5378.0	100.0



REPORT NUMBER: P402600

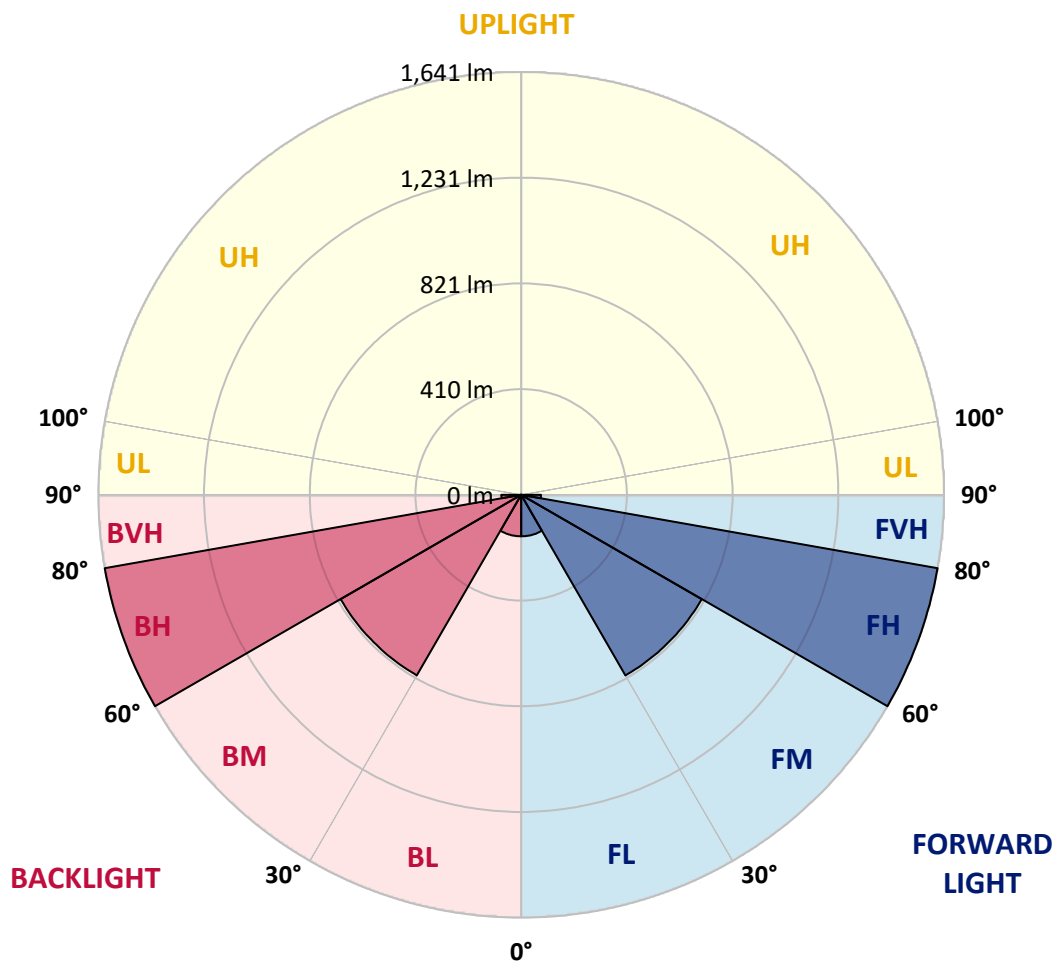
CATALOG NUMBER: GAN-AF-05-LED-U-5WQ-AMB

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.1	3.0			
FM	(30°-60°)	809.5	15.1			
FH	(60°-80°)	1641.4	30.5			G1/1800
FVH	(80°-90°)	76.9	1.4			G1/100
BL	(0°-30°)	161.1	3.0	B1/500		
BM	(30°-60°)	809.5	15.1	B1/1000		
BH	(60°-80°)	1641.4	30.5	B3/2500		G1/1800
BVH	(80°-90°)	76.9	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-G1**

Type V Short





REPORT NUMBER: P402600

CATALOG NUMBER: GAN-AF-05-LED-U-5WQ-AMB

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4
2.5°	376.6	376.6	376.6	374.4	374.4	374.4	374.4	374.4	374.4	374.4	374.4
5°	376.6	376.6	376.6	376.6	374.4	374.4	374.4	372.2	372.2	372.2	374.4
7.5°	374.4	376.6	374.4	374.4	372.2	372.2	370.0	370.0	370.0	370.0	370.0
10°	376.6	376.6	374.4	372.2	370.0	367.7	367.7	367.7	367.7	370.0	370.0
12.5°	378.8	378.8	374.4	370.0	370.0	367.7	367.7	367.7	367.7	370.0	372.2
15°	381.0	381.0	376.6	370.0	370.0	367.7	367.7	367.7	372.2	374.4	376.6
17.5°	385.4	383.2	376.6	372.2	370.0	370.0	370.0	370.0	374.4	378.8	378.8
20°	385.4	385.4	378.8	372.2	372.2	370.0	372.2	372.2	376.6	381.0	383.2
22.5°	392.0	389.8	381.0	376.6	374.4	374.4	376.6	376.6	381.0	385.4	387.6
25°	398.6	398.6	389.8	383.2	381.0	381.0	383.2	383.2	387.6	394.2	396.4
27.5°	411.8	409.6	400.8	394.2	392.0	392.0	396.4	396.4	398.6	405.2	407.4
30°	422.8	422.8	414.0	411.8	407.4	405.2	409.6	414.0	414.0	418.4	420.6
32.5°	431.6	431.6	427.2	427.2	429.4	427.2	431.6	429.4	427.2	431.6	431.6
35°	447.0	447.0	442.6	440.4	449.2	451.4	449.2	442.6	442.6	447.0	449.2
37.5°	471.2	471.2	466.8	462.4	464.6	471.2	464.6	462.4	466.8	473.4	475.7
40°	506.5	508.7	504.3	502.1	495.5	502.1	495.5	499.9	506.5	510.9	510.9
42.5°	546.1	548.3	541.7	537.3	539.5	543.9	535.1	537.3	546.1	552.7	552.7
45°	607.8	605.6	594.6	588.0	581.4	583.6	579.1	590.2	599.0	610.0	614.4
47.5°	667.2	665.0	660.6	654.0	645.2	647.4	647.4	656.2	667.2	678.2	678.2
50°	742.1	742.1	735.5	731.1	724.5	728.9	724.5	735.5	748.7	757.5	759.7
52.5°	828.0	825.8	825.8	823.6	819.2	828.0	821.4	834.6	845.6	847.8	852.2
55°	918.3	924.9	933.7	933.7	940.3	949.1	944.7	946.9	955.7	946.9	951.3
57.5°	1035.0	1041.6	1054.8	1072.4	1094.4	1118.7	1103.2	1092.2	1074.6	1061.4	1059.2
60°	1156.1	1162.7	1189.1	1242.0	1297.0	1349.9	1303.6	1253.0	1213.3	1180.3	1178.1
62.5°	1288.2	1299.2	1336.7	1415.9	1521.6	1600.9	1528.2	1429.2	1356.5	1305.8	1308.0
65°	1462.2	1468.8	1508.4	1600.9	1766.1	1863.0	1750.7	1618.5	1528.2	1471.0	1473.2
67.5°	1724.2	1719.8	1739.6	1827.7	1964.3	2043.5	1909.2	1801.3	1708.8	1642.8	1653.8
70°	1907.0	1904.8	1918.0	2010.5	2142.6	2158.0	2023.7	1902.6	1825.5	1785.9	1785.9
72.5°	1891.6	1893.8	1935.6	2061.2	2224.1	2254.9	2047.9	1922.4	1858.6	1823.3	1832.1
75°	1530.4	1534.9	1653.8	1882.8	2155.8	2215.3	1992.9	1781.5	1596.5	1495.2	1477.6
77.5°	735.5	742.1	918.3	1297.0	1739.6	1922.4	1724.2	1279.4	935.9	759.7	777.3
80°	222.4	229.0	303.9	532.9	995.3	1283.8	1030.6	526.3	268.7	196.0	196.0
82.5°	48.4	59.5	70.5	116.7	343.5	585.8	343.5	129.9	79.3	57.3	52.9
85°	26.4	26.4	39.6	41.8	55.1	96.9	66.1	52.9	46.2	30.8	30.8
87.5°	11.0	11.0	19.8	19.8	22.0	15.4	24.2	26.4	26.4	15.4	15.4
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)