

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: P402631

Luminaire Tested: **GAN-AF-09-LED-U-5MQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402631
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/8/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-09-LED-U-5MQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9502 lumens
Efficiency: N/A
Efficacy: 53.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

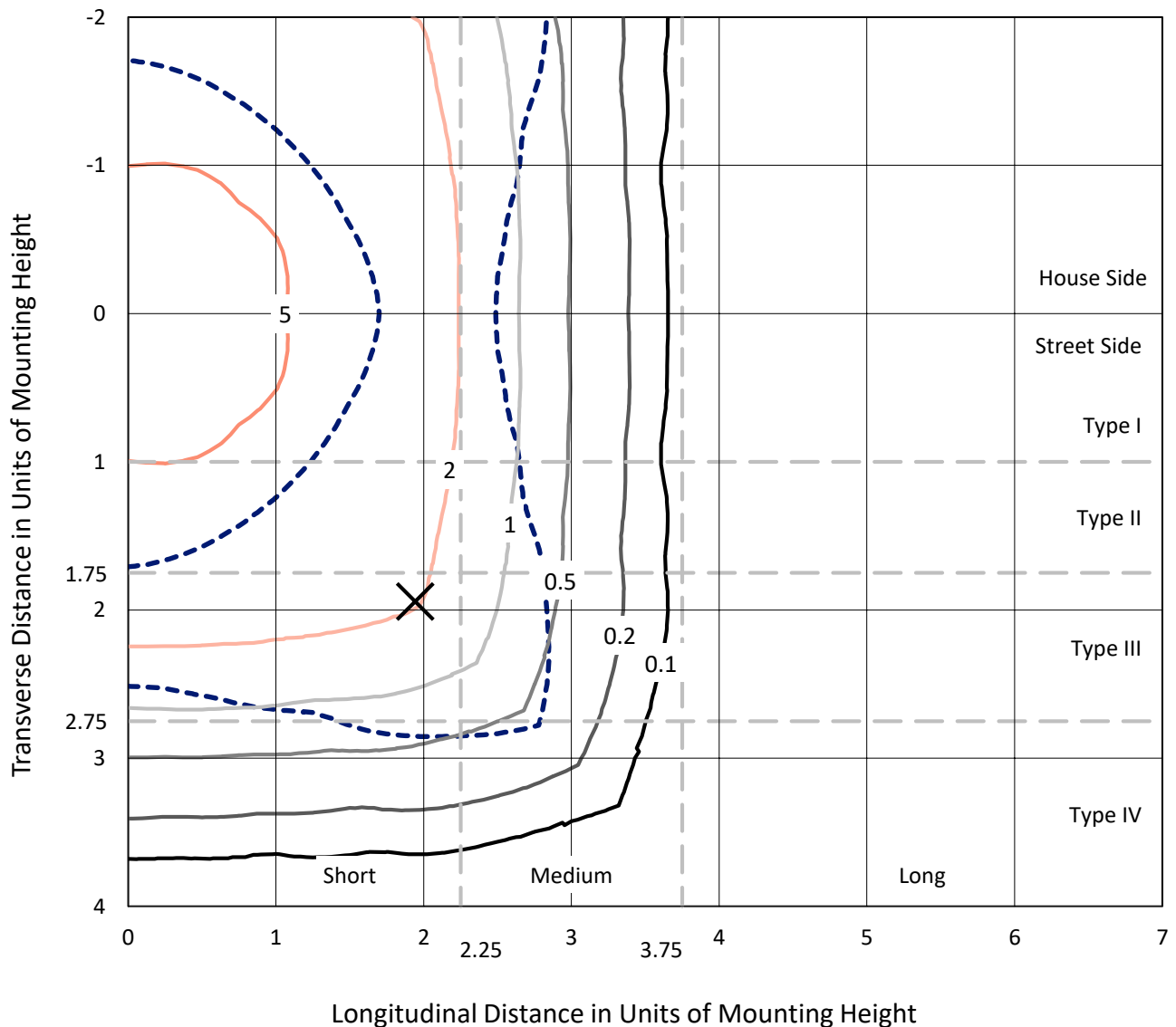
Input Watts (W): 178.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P402631
 CATALOG NUMBER: GAN-AF-09-LED-U-5MQ-AMB

Iso-Footcandle Lines of Horizontal Illumination

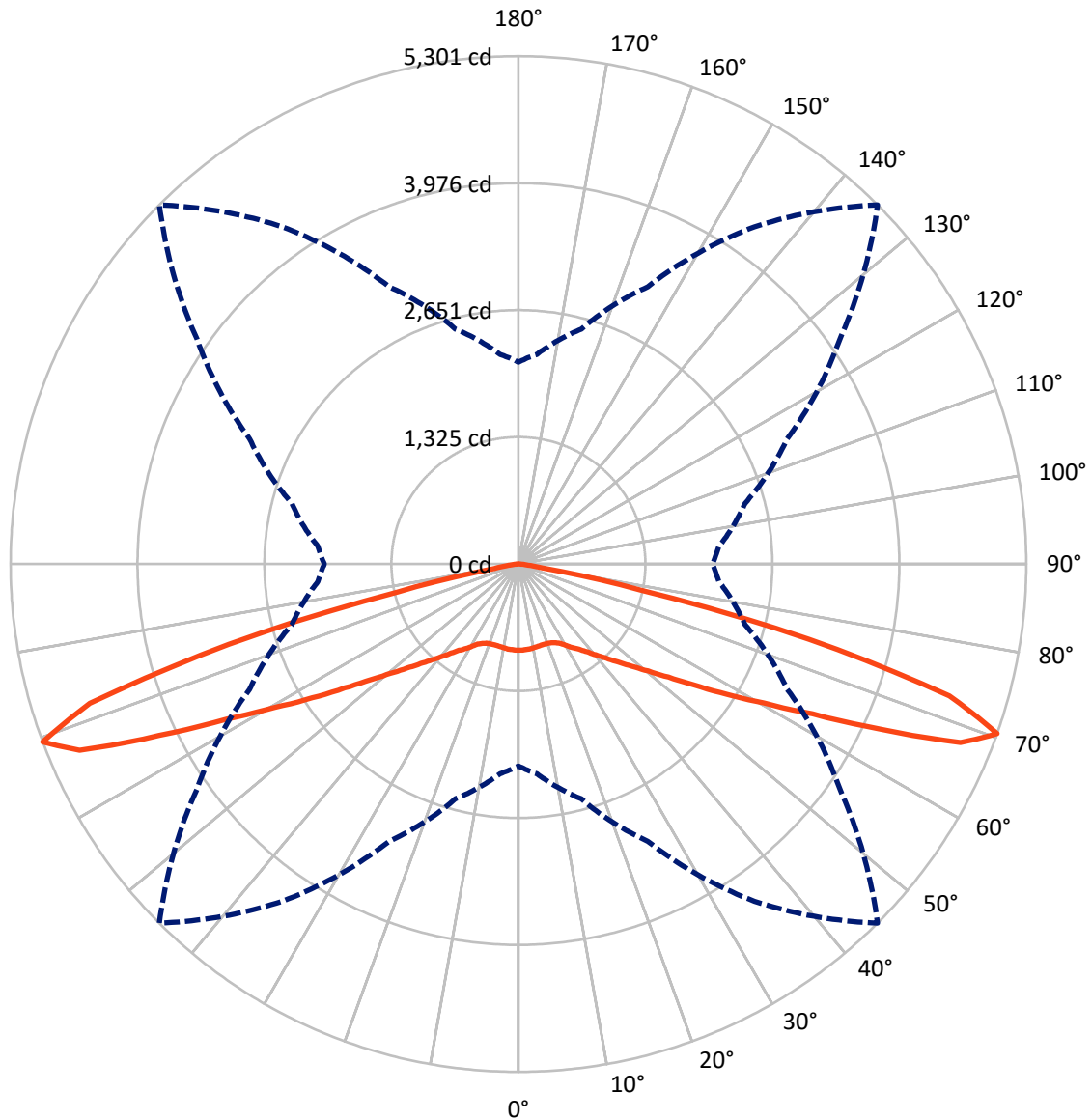
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P402631
CATALOG NUMBER: GAN-AF-09-LED-U-5MQ-AMB

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P402631

CATALOG NUMBER: GAN-AF-09-LED-U-5MQ-AMB

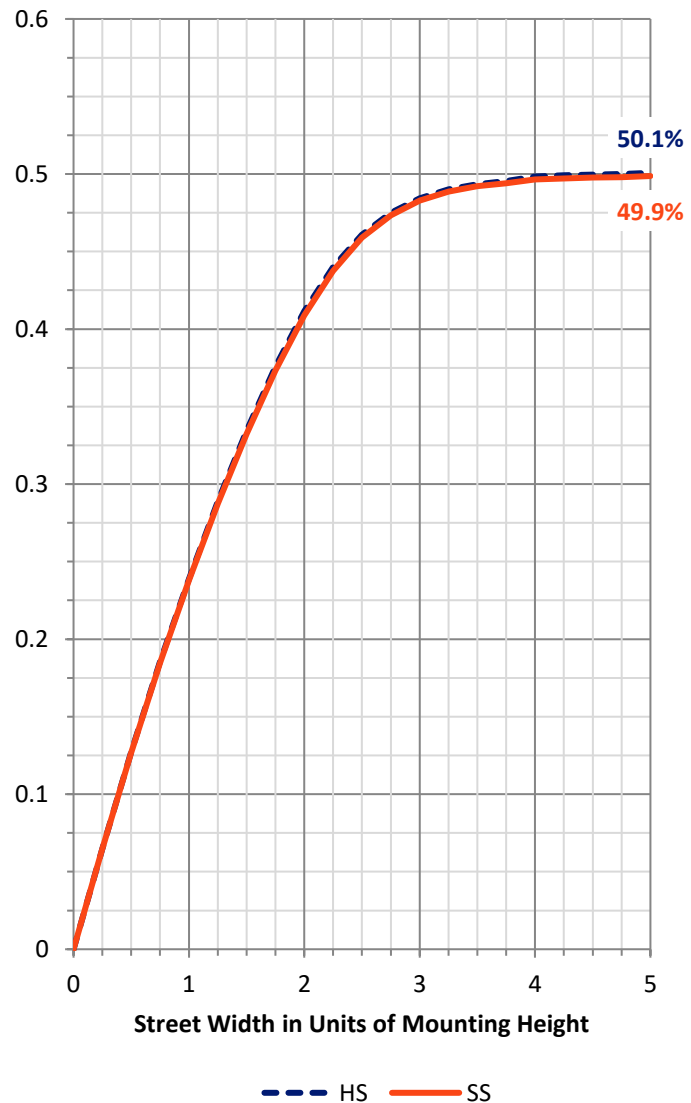
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4751.0	0.0	4751.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4751.0	0.0	4751.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9502.0	0.0	9502.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	0.9
10°-20°	248.0	2.6
20°-30°	420.4	4.4
30°-40°	689.1	7.3
40°-50°	1152.3	12.1
50°-60°	2022.9	21.3
60°-70°	3323.3	35.0
70°-80°	1498.2	15.8
80°-90°	62.4	0.7
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°	9502.0	100.0
0°-180°	9502.0	100.0



REPORT NUMBER: P402631

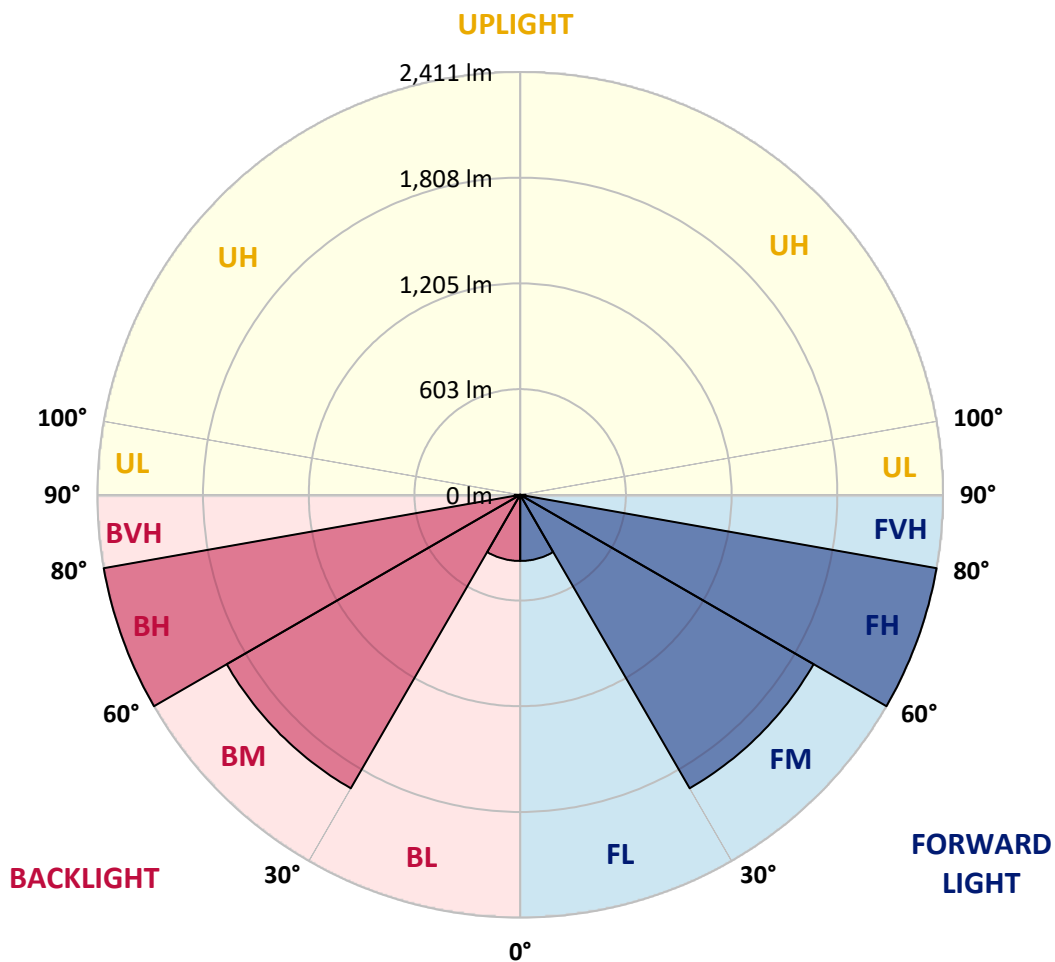
CATALOG NUMBER: GAN-AF-09-LED-U-5MQ-AMB

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	376.9	4.0			
FM	(30°-60°)	1932.1	20.3			
FH	(60°-80°)	2410.8	25.4			G2/5000
FVH	(80°-90°)	31.2	0.3			G1/100
BL	(0°-30°)	376.9	4.0	B1/500		
BM	(30°-60°)	1932.1	20.3	B2/2500		
BH	(60°-80°)	2410.8	25.4	B3/2500		G2/5000
BVH	(80°-90°)	31.2	0.3			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





REPORT NUMBER: P402631
 CATALOG NUMBER: GAN-AF-09-LED-U-5MQ-AMB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1	899.1
2.5°	903.0	903.0	903.0	903.0	899.1	899.1	899.1	899.1	899.1	899.1	899.1
5°	903.0	903.0	903.0	899.1	899.1	895.2	899.1	895.2	895.2	895.2	899.1
7.5°	903.0	903.0	903.0	899.1	899.1	895.2	895.2	891.3	891.3	891.3	891.3
10°	891.3	891.3	891.3	891.3	891.3	887.4	887.4	883.6	883.6	883.6	883.6
12.5°	879.7	883.6	879.7	879.7	883.6	883.6	879.7	875.8	871.9	871.9	875.8
15°	871.9	871.9	871.9	871.9	879.7	879.7	879.7	871.9	868.1	868.1	868.1
17.5°	864.2	864.2	864.2	871.9	875.8	879.7	875.8	871.9	868.1	860.3	860.3
20°	860.3	860.3	864.2	871.9	879.7	883.6	883.6	875.8	868.1	860.3	860.3
22.5°	860.3	860.3	868.1	879.7	887.4	891.3	891.3	883.6	875.8	868.1	868.1
25°	875.8	871.9	879.7	895.2	906.8	910.7	914.6	903.0	891.3	883.6	879.7
27.5°	899.1	903.0	910.7	926.2	941.7	937.8	941.7	934.0	926.2	914.6	914.6
30°	945.6	945.6	957.2	972.7	984.3	988.2	988.2	980.5	968.8	961.1	957.2
32.5°	999.8	999.8	1011.5	1030.8	1038.6	1042.5	1038.6	1030.8	1015.3	1003.7	999.8
35°	1054.1	1054.1	1069.6	1092.8	1100.6	1092.8	1096.7	1089.0	1077.3	1069.6	1065.7
37.5°	1120.0	1120.0	1139.3	1158.7	1170.3	1162.6	1174.2	1170.3	1154.8	1147.1	1143.2
40°	1197.5	1201.4	1220.7	1244.0	1244.0	1247.9	1259.5	1263.4	1247.9	1240.1	1232.4
42.5°	1294.4	1302.1	1317.6	1340.9	1344.7	1344.7	1360.2	1364.1	1356.4	1340.9	1333.1
45°	1410.6	1418.4	1441.6	1464.9	1464.9	1457.1	1480.4	1499.8	1484.3	1461.0	1453.2
47.5°	1546.3	1554.0	1585.0	1604.4	1612.1	1592.8	1627.6	1650.9	1631.5	1616.0	1600.5
50°	1709.0	1724.5	1755.5	1786.5	1778.8	1755.5	1802.0	1829.2	1817.5	1782.7	1771.0
52.5°	1883.4	1895.0	1957.0	1988.0	1988.0	1960.9	2022.9	2046.2	2011.3	1964.8	1949.3
55°	2119.8	2115.9	2158.6	2228.3	2255.4	2228.3	2278.7	2286.4	2239.9	2201.2	2174.1
57.5°	2363.9	2371.7	2429.8	2495.7	2534.5	2565.5	2565.5	2546.1	2480.2	2406.6	2391.1
60°	2646.8	2670.1	2739.9	2825.1	2902.6	2945.2	2879.4	2840.6	2739.9	2677.9	2654.6
62.5°	2960.8	2991.8	3096.4	3235.9	3359.9	3445.2	3336.7	3228.1	3100.3	3003.4	2987.9
65°	3057.6	3084.8	3290.2	3592.4	3956.7	4158.2	3813.3	3553.7	3251.4	3049.9	3026.6
67.5°	2844.5	2856.1	3115.8	3635.1	4367.5	4975.9	4216.4	3565.3	3104.1	2813.5	2798.0
70°	2108.2	2197.3	2538.3	3193.3	4297.7	5301.4	4096.2	3096.4	2449.2	2100.4	2026.8
72.5°	1236.2	1216.9	1476.5	2119.8	3511.0	4704.6	3332.8	2100.4	1507.5	1244.0	1185.9
75°	484.4	492.2	616.2	980.5	1988.0	3135.1	1995.8	988.2	550.3	449.5	445.7
77.5°	166.6	170.5	186.0	236.4	639.4	1294.4	658.8	240.3	182.1	193.8	197.6
80°	104.6	100.8	112.4	116.3	139.5	255.8	151.1	124.0	120.1	120.1	124.0
82.5°	54.3	58.1	77.5	81.4	85.3	96.9	96.9	93.0	81.4	62.0	54.3
85°	34.9	27.1	54.3	58.1	54.3	50.4	62.0	69.8	62.0	34.9	38.8
87.5°	15.5	15.5	27.1	27.1	27.1	19.4	27.1	38.8	38.8	15.5	15.5
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)