

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: P402607

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

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402607
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-06-LED-U-5MQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 6357 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

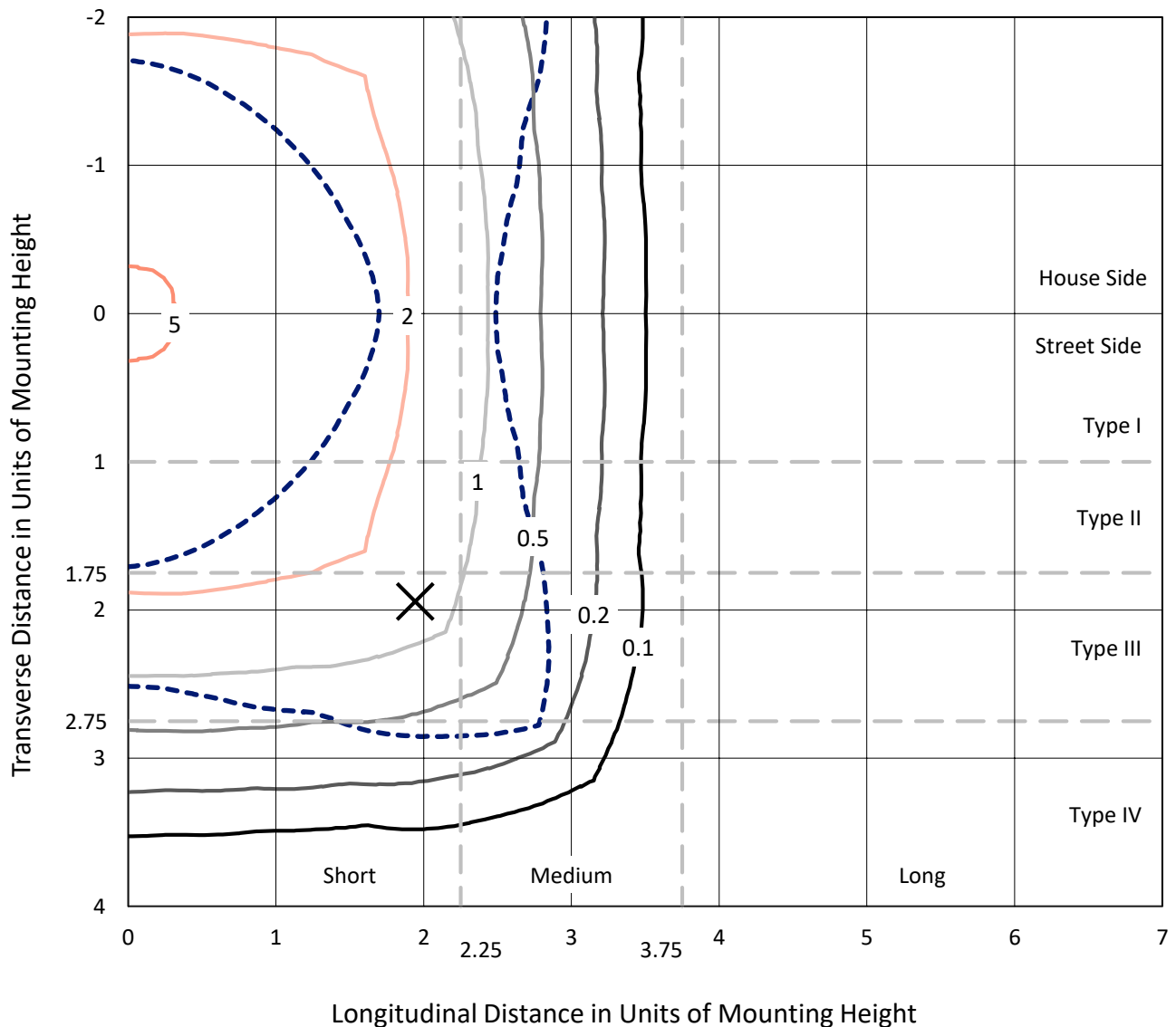
Input Watts (W): 119
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GAN-AF-06-LED-U-5MQ-AMB

Iso-Footcandle Lines of Horizontal Illumination

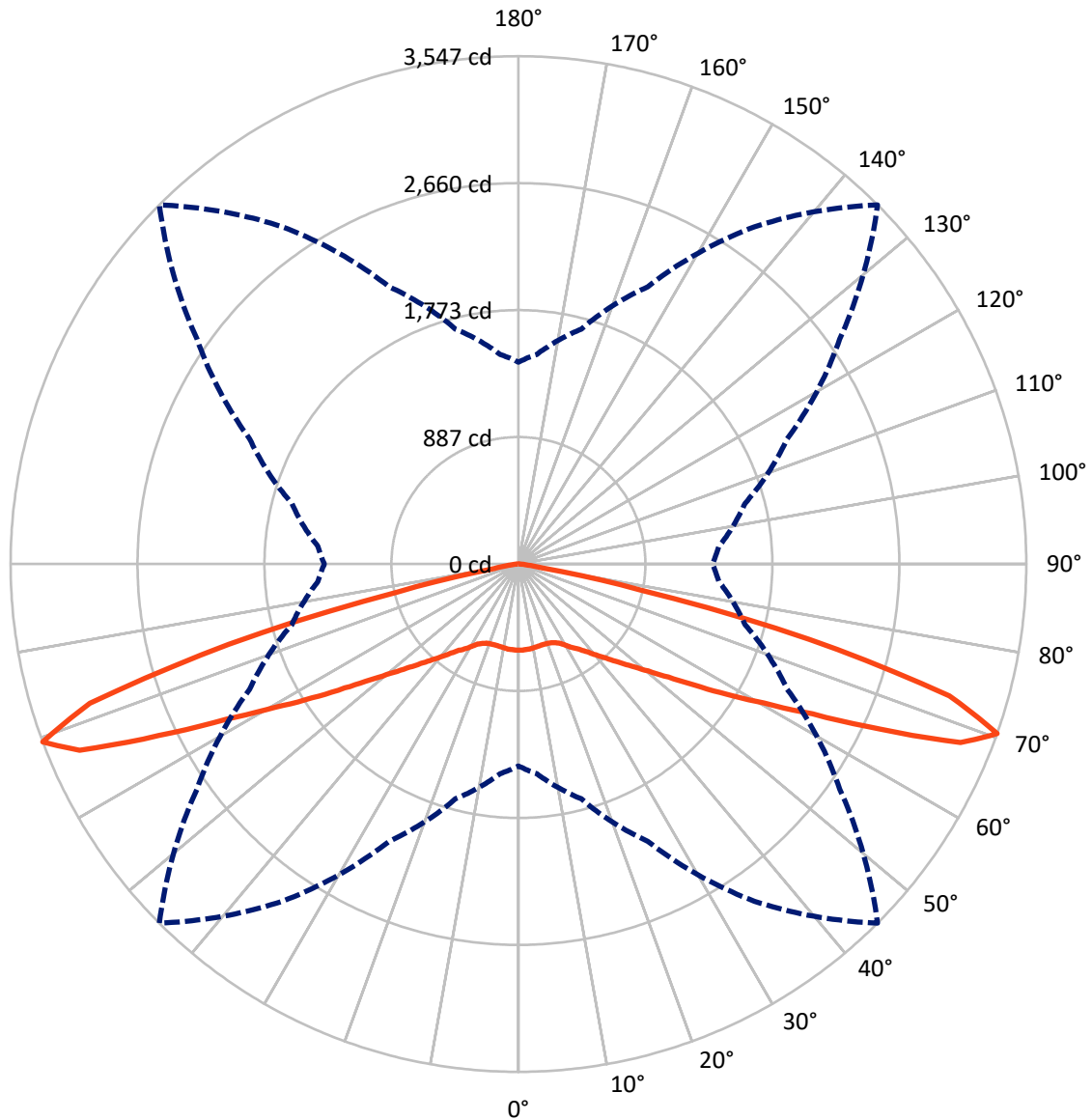
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P402607
CATALOG NUMBER: GAN-AF-06-LED-U-5MQ-AMB

Luminous Intensity Polar Plot



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

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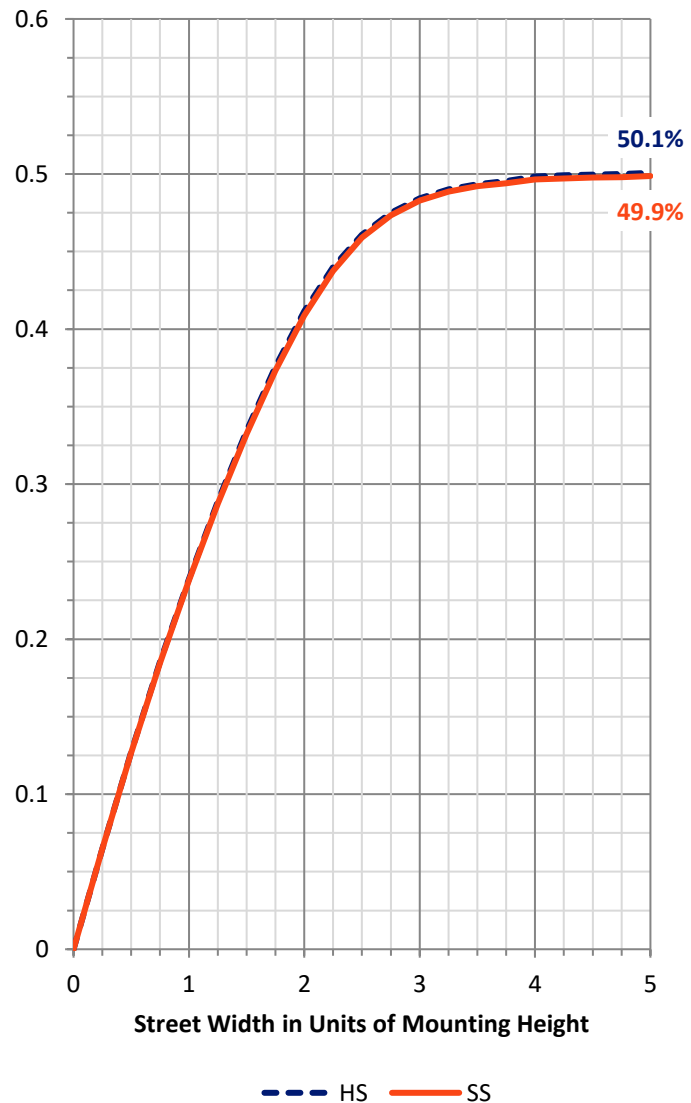
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3178.5	0.0	3178.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3178.5	0.0	3178.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6357.0	0.0	6357.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	0.9
10°-20°	165.9	2.6
20°-30°	281.2	4.4
30°-40°	461.0	7.3
40°-50°	770.9	12.1
50°-60°	1353.3	21.3
60°-70°	2223.4	35.0
70°-80°	1002.3	15.8
80°-90°	41.7	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°	6357.0	100.0
0°-180°	6357.0	100.0



REPORT NUMBER: P402607

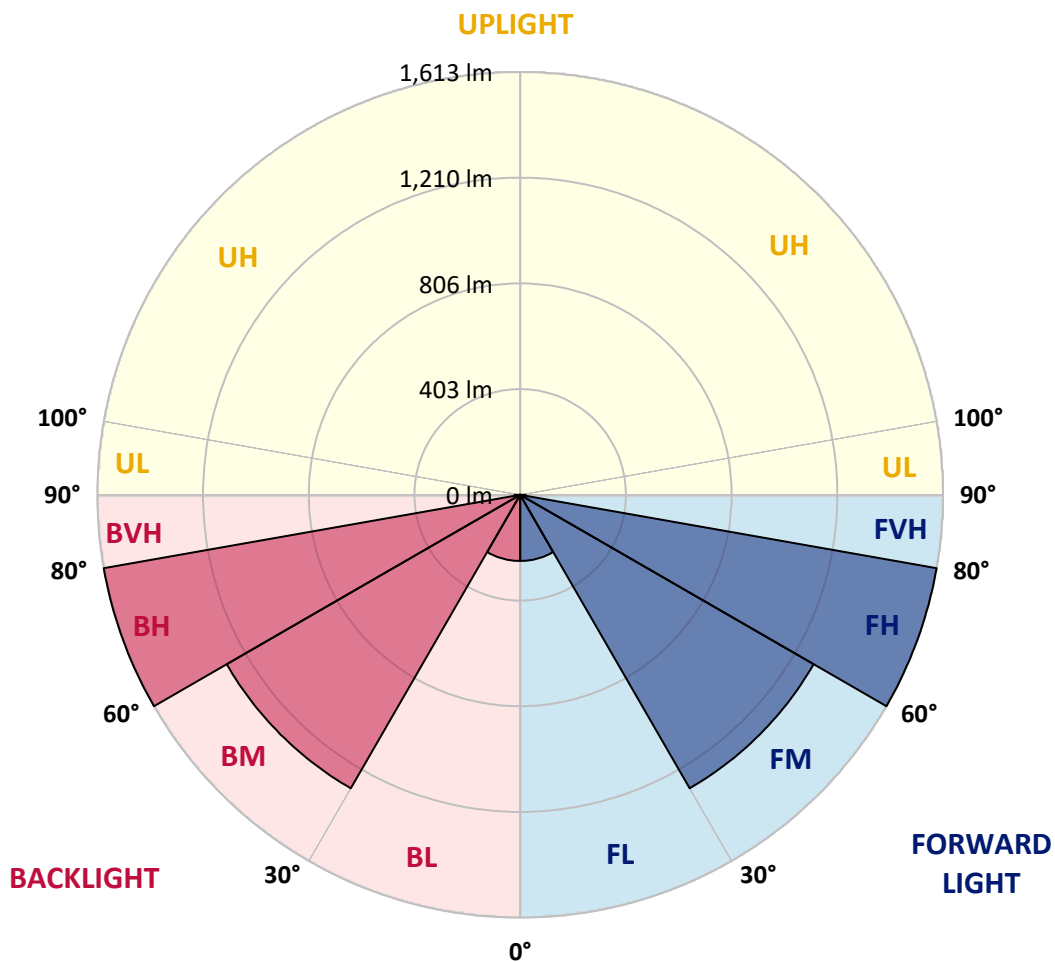
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.2	4.0			
FM (30°-60°)	1292.6	20.3			
FH (60°-80°)	1612.8	25.4			G1/1800
FVH (80°-90°)	20.9	0.3			G1/100
BL (0°-30°)	252.2	4.0	B1/500		
BM (30°-60°)	1292.6	20.3	B2/2500		
BH (60°-80°)	1612.8	25.4	B3/2500		G1/1800
BVH (80°-90°)	20.9	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5
2.5°	604.1	604.1	604.1	604.1	601.5	601.5	601.5	601.5	601.5	601.5	601.5
5°	604.1	604.1	604.1	601.5	601.5	598.9	601.5	598.9	598.9	598.9	601.5
7.5°	604.1	604.1	604.1	601.5	601.5	598.9	598.9	596.3	596.3	596.3	596.3
10°	596.3	596.3	596.3	596.3	596.3	593.7	593.7	591.1	591.1	591.1	591.1
12.5°	588.5	591.1	588.5	588.5	591.1	591.1	588.5	585.9	583.3	583.3	585.9
15°	583.3	583.3	583.3	583.3	588.5	588.5	588.5	583.3	580.8	580.8	580.8
17.5°	578.2	578.2	578.2	583.3	585.9	588.5	585.9	583.3	580.8	575.6	575.6
20°	575.6	575.6	578.2	583.3	588.5	591.1	591.1	585.9	580.8	575.6	575.6
22.5°	575.6	575.6	580.8	588.5	593.7	596.3	596.3	591.1	585.9	580.8	580.8
25°	585.9	583.3	588.5	598.9	606.7	609.3	611.9	604.1	596.3	591.1	588.5
27.5°	601.5	604.1	609.3	619.6	630.0	627.4	630.0	624.8	619.6	611.9	611.9
30°	632.6	632.6	640.4	650.8	658.5	661.1	661.1	655.9	648.2	643.0	640.4
32.5°	668.9	668.9	676.7	689.6	694.8	697.4	694.8	689.6	679.3	671.5	668.9
35°	705.2	705.2	715.6	731.1	736.3	731.1	733.7	728.5	720.8	715.6	713.0
37.5°	749.3	749.3	762.2	775.2	783.0	777.8	785.6	783.0	772.6	767.4	764.8
40°	801.1	803.7	816.7	832.2	832.2	834.8	842.6	845.2	834.8	829.7	824.5
42.5°	865.9	871.1	881.5	897.1	899.7	899.7	910.0	912.6	907.4	897.1	891.9
45°	943.7	948.9	964.5	980.0	980.0	974.8	990.4	1003.4	993.0	977.4	972.2
47.5°	1034.5	1039.7	1060.4	1073.4	1078.5	1065.6	1088.9	1104.5	1091.5	1081.1	1070.8
50°	1143.4	1153.7	1174.5	1195.2	1190.0	1174.5	1205.6	1223.7	1216.0	1192.6	1184.8
52.5°	1260.0	1267.8	1309.3	1330.0	1330.0	1311.9	1353.4	1368.9	1345.6	1314.5	1304.1
55°	1418.2	1415.6	1444.1	1490.8	1508.9	1490.8	1524.5	1529.7	1498.6	1472.6	1454.5
57.5°	1581.5	1586.7	1625.6	1669.7	1695.6	1716.3	1716.3	1703.4	1659.3	1610.0	1599.7
60°	1770.8	1786.3	1833.0	1890.0	1941.9	1970.4	1926.3	1900.4	1833.0	1791.5	1776.0
62.5°	1980.8	2001.5	2071.5	2164.9	2247.8	2304.9	2232.3	2159.7	2074.1	2009.3	1998.9
65°	2045.6	2063.8	2201.2	2403.4	2647.1	2781.9	2551.2	2377.5	2175.2	2040.4	2024.9
67.5°	1903.0	1910.8	2084.5	2431.9	2921.9	3329.0	2820.8	2385.2	2076.7	1882.3	1871.9
70°	1410.4	1470.0	1698.2	2136.4	2875.3	3546.8	2740.4	2071.5	1638.6	1405.2	1356.0
72.5°	827.1	814.1	987.8	1418.2	2348.9	3147.5	2229.7	1405.2	1008.5	832.2	793.4
75°	324.1	329.3	412.2	655.9	1330.0	2097.5	1335.2	661.1	368.2	300.7	298.2
77.5°	111.5	114.1	124.4	158.2	427.8	865.9	440.8	160.7	121.9	129.6	132.2
80°	70.0	67.4	75.2	77.8	93.3	171.1	101.1	83.0	80.4	80.4	83.0
82.5°	36.3	38.9	51.9	54.4	57.0	64.8	64.8	62.2	54.4	41.5	36.3
85°	23.3	18.1	36.3	38.9	36.3	33.7	41.5	46.7	41.5	23.3	25.9
87.5°	10.4	10.4	18.1	18.1	18.1	13.0	18.1	25.9	25.9	10.4	10.4
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)