

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: P402599

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

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402599
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-05-LED-U-5MQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 5400 lumens
Efficiency: N/A
Efficacy: 53.5 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

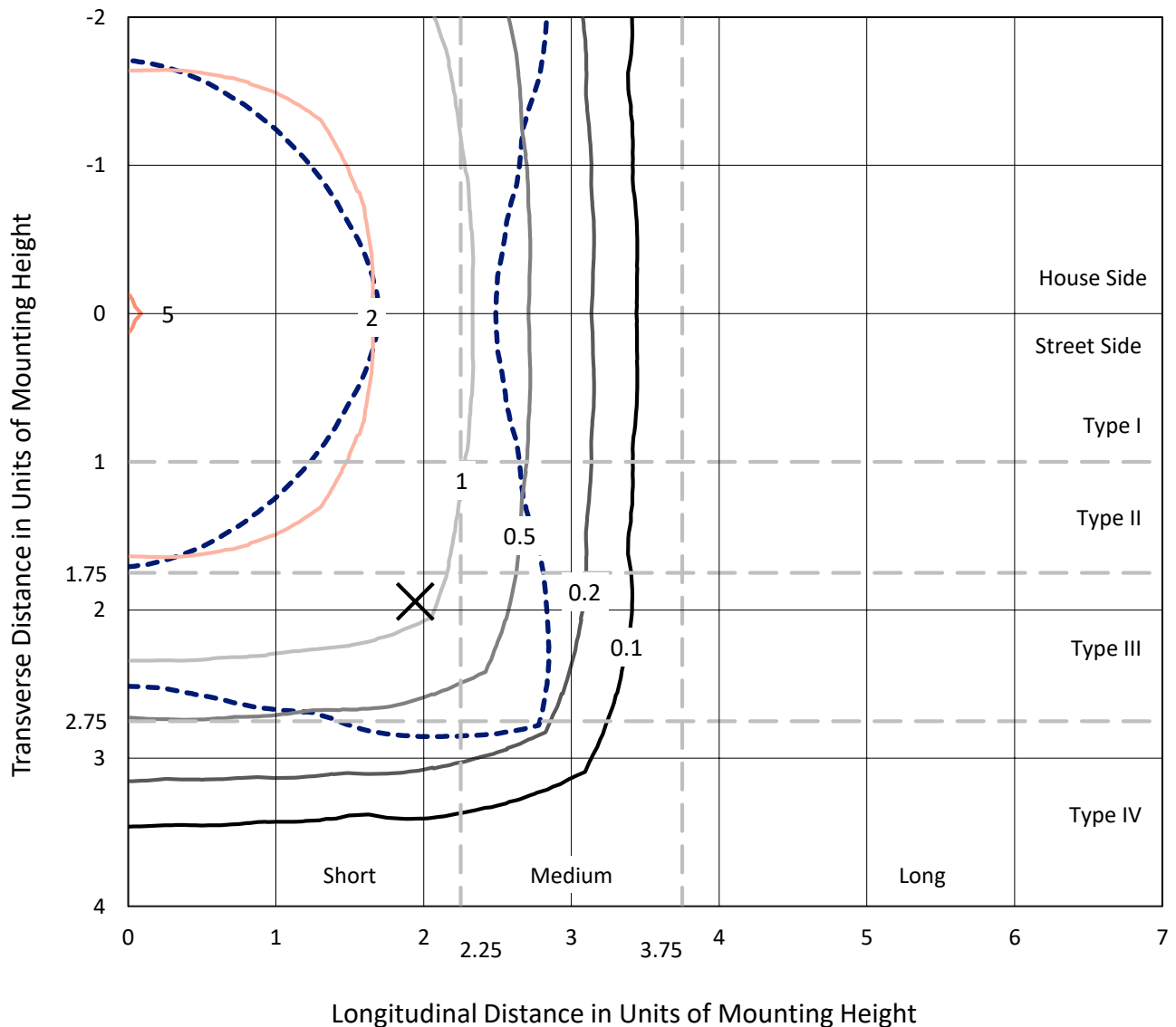
Input Watts (W): 101
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

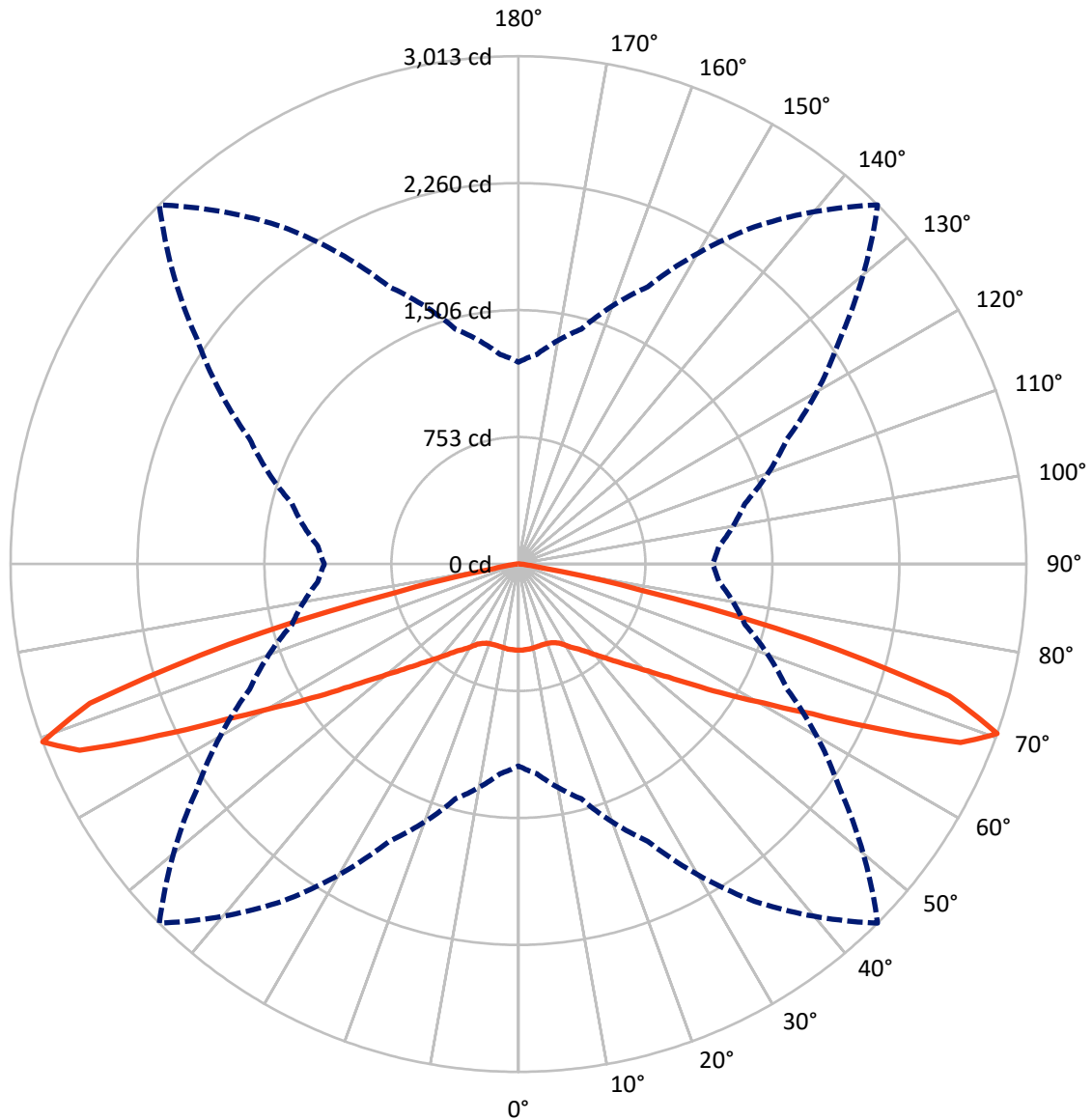
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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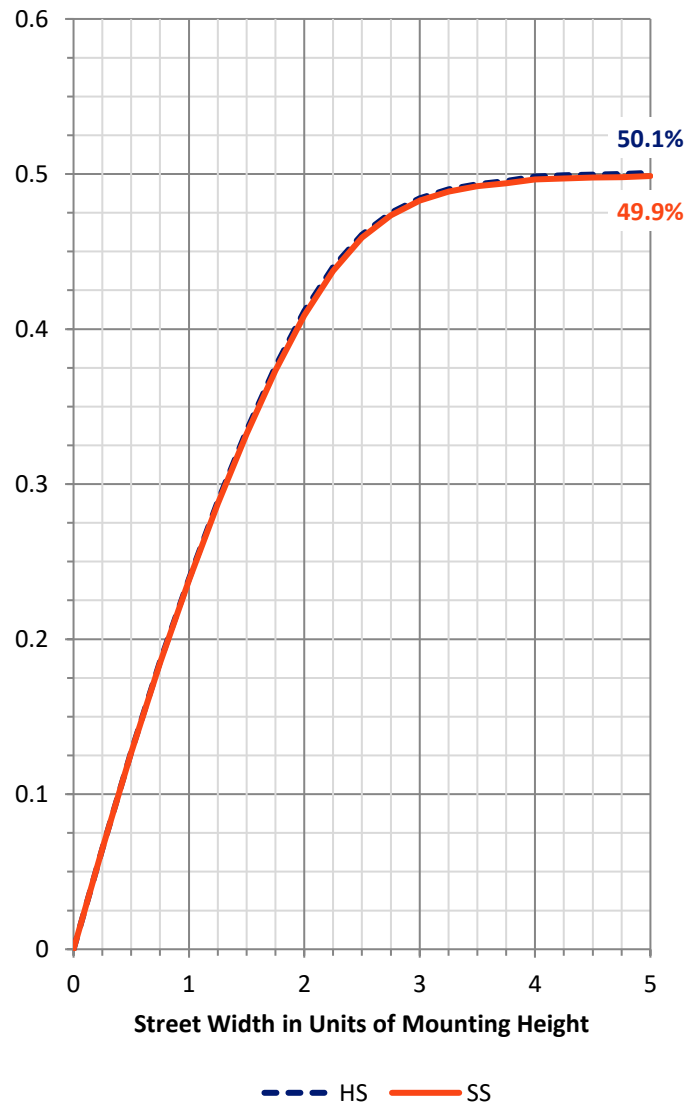
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2700.0	0.0	2700.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2700.0	0.0	2700.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5400.0	0.0	5400.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	0.9
10°-20°	140.9	2.6
20°-30°	238.9	4.4
30°-40°	391.6	7.3
40°-50°	654.8	12.1
50°-60°	1149.6	21.3
60°-70°	1888.7	35.0
70°-80°	851.4	15.8
80°-90°	35.4	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°	5400.0	100.0
0°-180°	5400.0	100.0



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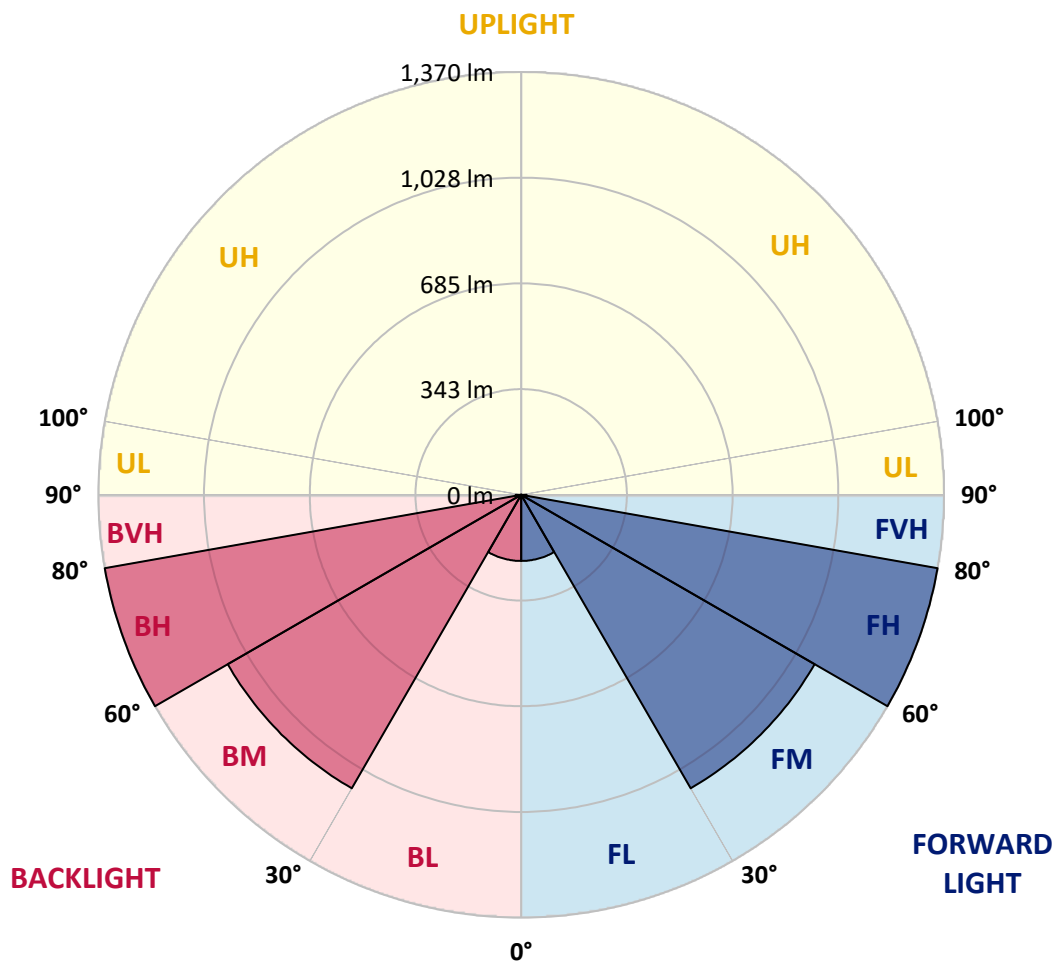
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.2	4.0			
FM	(30°-60°)	1098.0	20.3			
FH	(60°-80°)	1370.0	25.4			G1/1800
FVH	(80°-90°)	17.7	0.3			G1/100
BL	(0°-30°)	214.2	4.0	B1/500		
BM	(30°-60°)	1098.0	20.3	B2/2500		
BH	(60°-80°)	1370.0	25.4	B3/2500		G1/1800
BVH	(80°-90°)	17.7	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°	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9	510.9
2.5°	513.1	513.1	513.1	513.1	510.9	510.9	510.9	510.9	510.9	510.9	510.9
5°	513.1	513.1	513.1	510.9	510.9	508.7	510.9	508.7	508.7	508.7	510.9
7.5°	513.1	513.1	513.1	510.9	510.9	508.7	508.7	506.5	506.5	506.5	506.5
10°	506.5	506.5	506.5	506.5	506.5	504.3	504.3	502.1	502.1	502.1	502.1
12.5°	499.9	502.1	499.9	499.9	502.1	502.1	499.9	497.7	495.5	495.5	497.7
15°	495.5	495.5	495.5	495.5	499.9	499.9	499.9	495.5	493.3	493.3	493.3
17.5°	491.1	491.1	491.1	495.5	497.7	499.9	497.7	495.5	493.3	488.9	488.9
20°	488.9	488.9	491.1	495.5	499.9	502.1	502.1	497.7	493.3	488.9	488.9
22.5°	488.9	488.9	493.3	499.9	504.3	506.5	506.5	502.1	497.7	493.3	493.3
25°	497.7	495.5	499.9	508.7	515.4	517.6	519.8	513.1	506.5	502.1	499.9
27.5°	510.9	513.1	517.6	526.4	535.2	533.0	535.2	530.8	526.4	519.8	519.8
30°	537.4	537.4	544.0	552.8	559.4	561.6	561.6	557.2	550.6	546.2	544.0
32.5°	568.2	568.2	574.8	585.8	590.2	592.4	590.2	585.8	577.0	570.4	568.2
35°	599.0	599.0	607.8	621.1	625.5	621.1	623.3	618.9	612.3	607.8	605.6
37.5°	636.5	636.5	647.5	658.5	665.1	660.7	667.3	665.1	656.3	651.9	649.7
40°	680.5	682.7	693.7	707.0	707.0	709.2	715.8	718.0	709.2	704.8	700.3
42.5°	735.6	740.0	748.8	762.0	764.2	764.2	773.0	775.2	770.8	762.0	757.6
45°	801.7	806.1	819.3	832.5	832.5	828.1	841.3	852.3	843.5	830.3	825.9
47.5°	878.7	883.1	900.8	911.8	916.2	905.2	925.0	938.2	927.2	918.4	909.6
50°	971.2	980.0	997.7	1015.3	1010.9	997.7	1024.1	1039.5	1032.9	1013.1	1006.5
52.5°	1070.3	1077.0	1112.2	1129.8	1129.8	1114.4	1149.6	1162.8	1143.0	1116.6	1107.8
55°	1204.7	1202.5	1226.7	1266.4	1281.8	1266.4	1295.0	1299.4	1273.0	1250.9	1235.5
57.5°	1343.4	1347.8	1380.9	1418.3	1440.3	1458.0	1458.0	1446.9	1409.5	1367.7	1358.9
60°	1504.2	1517.4	1557.1	1605.5	1649.6	1673.8	1636.3	1614.3	1557.1	1521.8	1508.6
62.5°	1682.6	1700.2	1759.7	1839.0	1909.4	1957.9	1896.2	1834.6	1761.9	1706.8	1698.0
65°	1737.7	1753.1	1869.8	2041.6	2248.6	2363.1	2167.1	2019.6	1847.8	1733.3	1720.0
67.5°	1616.5	1623.1	1770.7	2065.8	2482.1	2827.8	2396.2	2026.2	1764.1	1598.9	1590.1
70°	1198.1	1248.7	1442.5	1814.7	2442.4	3012.8	2327.9	1759.7	1391.9	1193.7	1151.8
72.5°	702.6	691.5	839.1	1204.7	1995.3	2673.7	1894.0	1193.7	856.7	707.0	673.9
75°	275.3	279.7	350.2	557.2	1129.8	1781.7	1134.2	561.6	312.7	255.5	253.3
77.5°	94.7	96.9	105.7	134.3	363.4	735.6	374.4	136.5	103.5	110.1	112.3
80°	59.5	57.3	63.9	66.1	79.3	145.4	85.9	70.5	68.3	68.3	70.5
82.5°	30.8	33.0	44.0	46.2	48.5	55.1	55.1	52.9	46.2	35.2	30.8
85°	19.8	15.4	30.8	33.0	30.8	28.6	35.2	39.6	35.2	19.8	22.0
87.5°	8.8	8.8	15.4	15.4	15.4	11.0	15.4	22.0	22.0	8.8	8.8
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)