

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: P402640

Luminaire Tested: **GAN-AF-10-LED-U-5WQ-AMB**

Issue Date: 6/8/2020

Test Information

Test Method: LM-79-08
Report Number: P402640
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-10-LED-U-5WQ-AMB
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 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: 10569 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G2

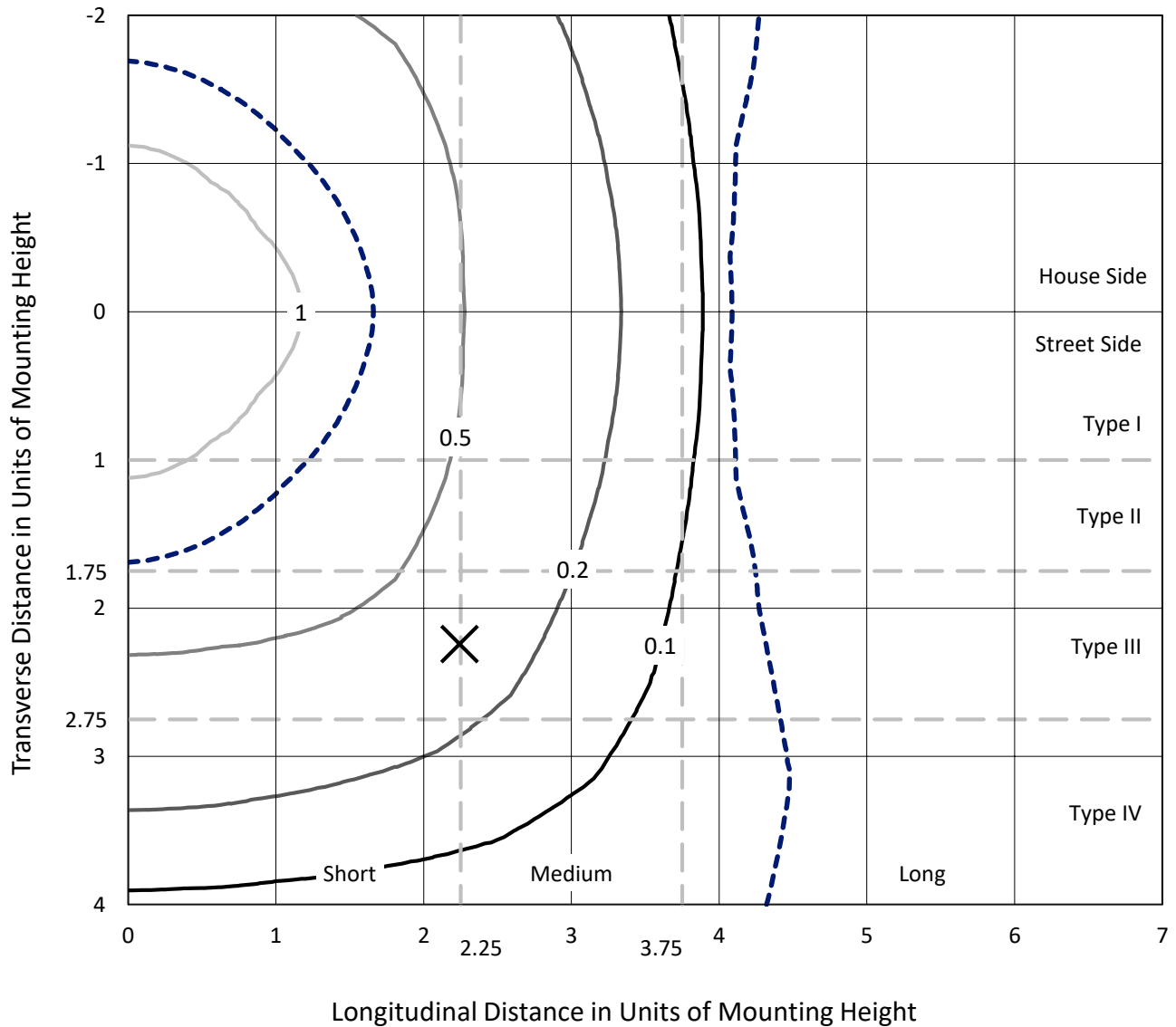
Input Watts (W): 198.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

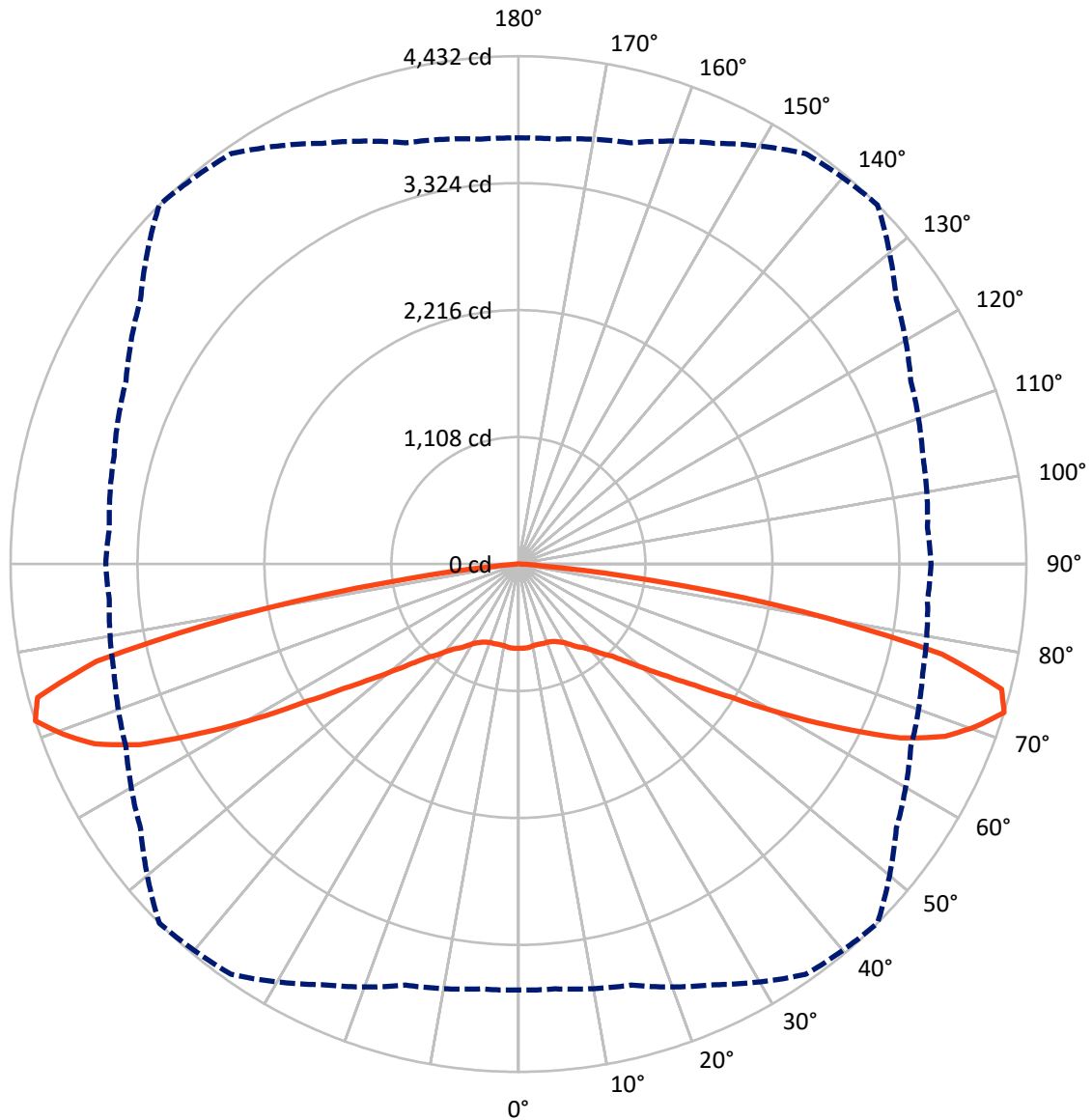
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1.8 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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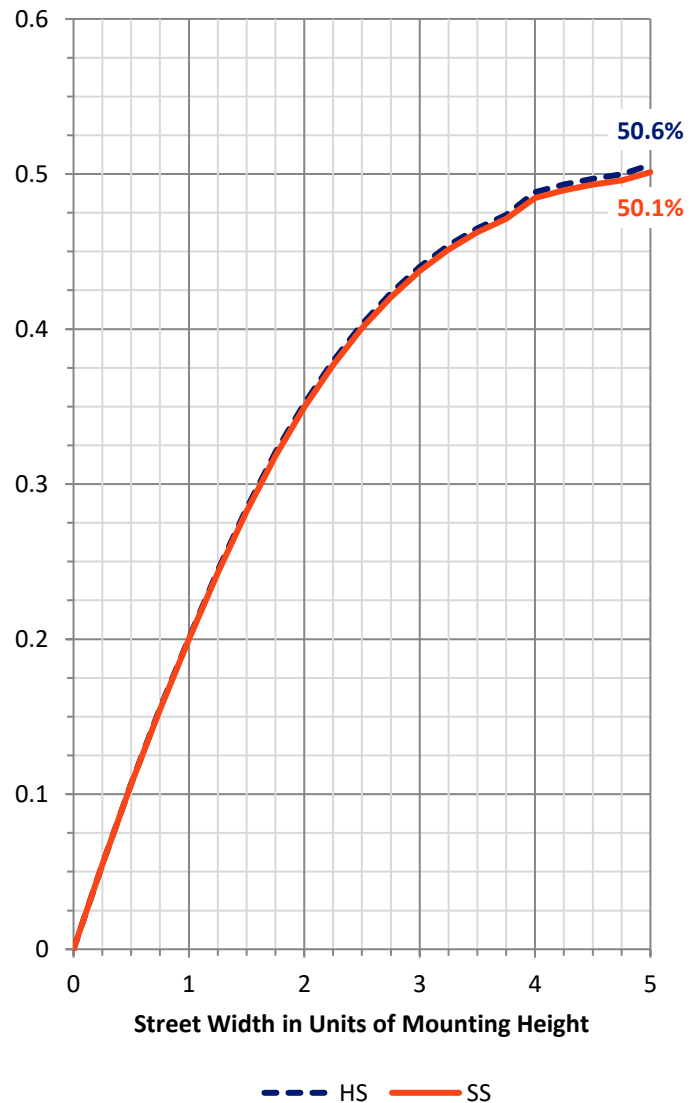
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5284.5	0.0	5284.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5284.5	0.0	5284.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10569.0	0.0	10569.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	0.7
10°-20°	207.6	2.0
20°-30°	355.6	3.4
30°-40°	557.6	5.3
40°-50°	922.8	8.7
50°-60°	1701.5	16.1
60°-70°	3160.7	29.9
70°-80°	3290.9	31.1
80°-90°	302.4	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°	10569.0	100.0
0°-180°	10569.0	100.0



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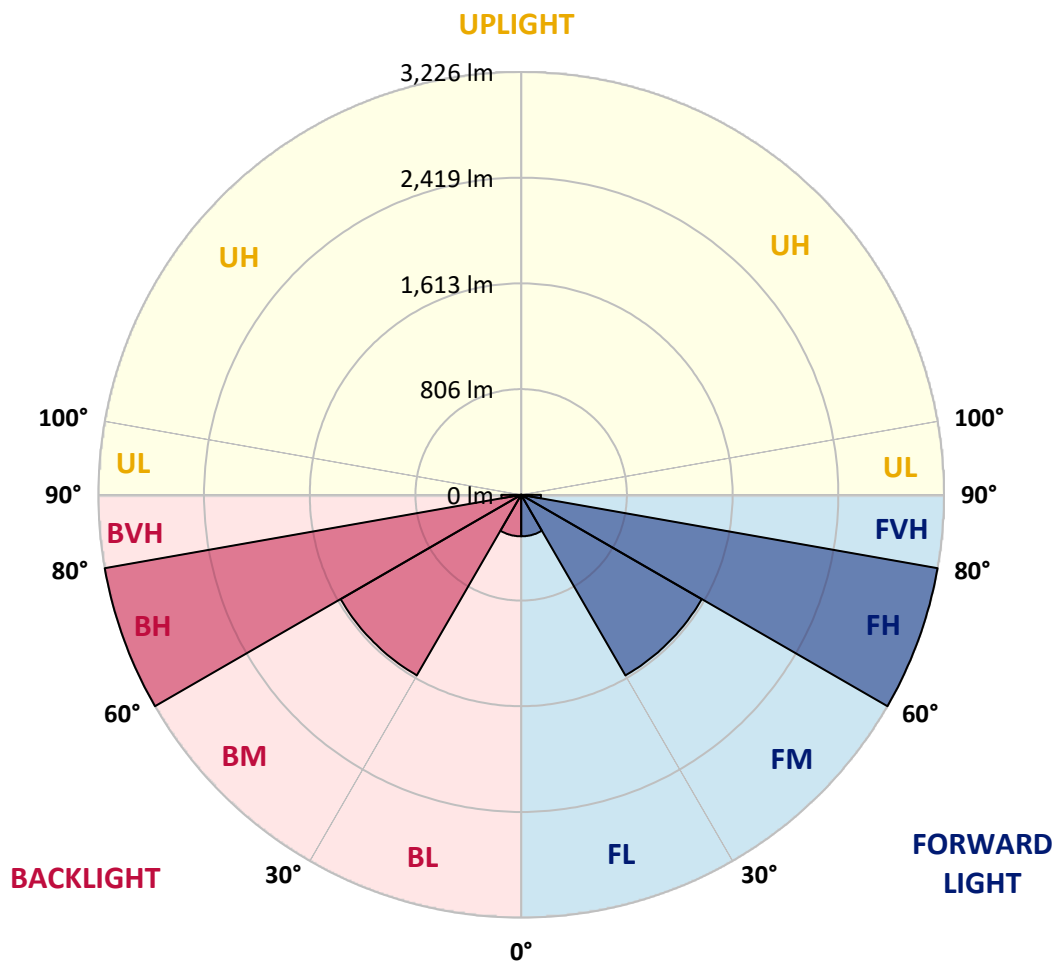
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.6	3.0			
FM	(30°-60°)	1590.9	15.1			
FH	(60°-80°)	3225.8	30.5			G2/5000
FVH	(80°-90°)	151.2	1.4			G2/225
BL	(0°-30°)	316.6	3.0	B1/500		
BM	(30°-60°)	1590.9	15.1	B2/2500		
BH	(60°-80°)	3225.8	30.5	B4/5000		G2/5000
BVH	(80°-90°)	151.2	1.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7
2.5°	740.0	740.0	740.0	735.7	735.7	735.7	735.7	735.7	735.7	735.7	735.7
5°	740.0	740.0	740.0	740.0	735.7	735.7	735.7	731.4	731.4	731.4	735.7
7.5°	735.7	740.0	735.7	735.7	731.4	731.4	727.0	727.0	727.0	727.0	727.0
10°	740.0	740.0	735.7	731.4	727.0	722.7	722.7	722.7	722.7	727.0	727.0
12.5°	744.3	744.3	735.7	727.0	727.0	722.7	722.7	722.7	722.7	727.0	731.4
15°	748.7	748.7	740.0	727.0	727.0	722.7	722.7	722.7	731.4	735.7	740.0
17.5°	757.3	753.0	740.0	731.4	727.0	727.0	727.0	727.0	735.7	744.3	744.3
20°	757.3	757.3	744.3	731.4	731.4	727.0	731.4	731.4	740.0	748.7	753.0
22.5°	770.3	766.0	748.7	740.0	735.7	735.7	740.0	740.0	748.7	757.3	761.7
25°	783.3	783.3	766.0	753.0	748.7	748.7	753.0	753.0	761.7	774.6	779.0
27.5°	809.3	804.9	787.6	774.6	770.3	770.3	779.0	779.0	783.3	796.3	800.6
30°	830.9	830.9	813.6	809.3	800.6	796.3	804.9	813.6	813.6	822.2	826.6
32.5°	848.2	848.2	839.6	839.6	843.9	839.6	848.2	843.9	839.6	848.2	848.2
35°	878.5	878.5	869.8	865.5	882.8	887.2	882.8	869.8	869.8	878.5	882.8
37.5°	926.1	926.1	917.5	908.8	913.1	926.1	913.1	908.8	917.5	930.4	934.8
40°	995.3	999.7	991.0	986.7	973.7	986.7	973.7	982.4	995.3	1004.0	1004.0
42.5°	1073.2	1077.6	1064.6	1055.9	1060.3	1068.9	1051.6	1055.9	1073.2	1086.2	1086.2
45°	1194.4	1190.1	1168.5	1155.5	1142.5	1146.8	1138.2	1159.8	1177.1	1198.7	1207.4
47.5°	1311.3	1306.9	1298.3	1285.3	1268.0	1272.3	1272.3	1289.6	1311.3	1332.9	1332.9
50°	1458.4	1458.4	1445.4	1436.8	1423.8	1432.4	1423.8	1445.4	1471.4	1488.7	1493.0
52.5°	1627.2	1622.8	1622.8	1618.5	1609.9	1627.2	1614.2	1640.2	1661.8	1666.1	1674.8
55°	1804.6	1817.6	1834.9	1834.9	1847.9	1865.2	1856.5	1860.9	1878.2	1860.9	1869.5
57.5°	2034.0	2047.0	2072.9	2107.5	2150.8	2198.4	2168.1	2146.5	2111.9	2085.9	2081.6
60°	2272.0	2285.0	2336.9	2440.8	2549.0	2652.8	2561.9	2462.4	2384.5	2319.6	2315.3
62.5°	2531.6	2553.3	2626.9	2782.6	2990.4	3146.2	3003.4	2808.6	2665.8	2566.3	2570.6
65°	2873.5	2886.5	2964.4	3146.2	3470.7	3661.1	3440.4	3180.8	3003.4	2890.8	2895.2
67.5°	3388.5	3379.9	3418.8	3591.9	3860.2	4016.0	3752.0	3540.0	3358.2	3228.4	3250.0
70°	3747.7	3743.4	3769.3	3951.1	4210.8	4241.0	3977.1	3739.0	3587.6	3509.7	3509.7
72.5°	3717.4	3721.7	3804.0	4050.6	4370.9	4431.5	4024.7	3778.0	3652.5	3583.3	3600.6
75°	3007.7	3016.3	3250.0	3700.1	4236.7	4353.6	3916.5	3501.0	3137.5	2938.4	2903.8
77.5°	1445.4	1458.4	1804.6	2549.0	3418.8	3778.0	3388.5	2514.3	1839.2	1493.0	1527.6
80°	437.1	450.1	597.2	1047.3	1956.1	2523.0	2025.3	1034.3	528.0	385.2	385.2
82.5°	95.2	116.8	138.5	229.4	675.1	1151.1	675.1	255.3	155.8	112.5	103.9
85°	51.9	51.9	77.9	82.2	108.2	190.4	129.8	103.9	90.9	60.6	60.6
87.5°	21.6	21.6	38.9	38.9	43.3	30.3	47.6	51.9	51.9	30.3	30.3
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)