

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: P316493

Luminaire Tested: **GAN-SA9C-740-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316493
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-740-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66427 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

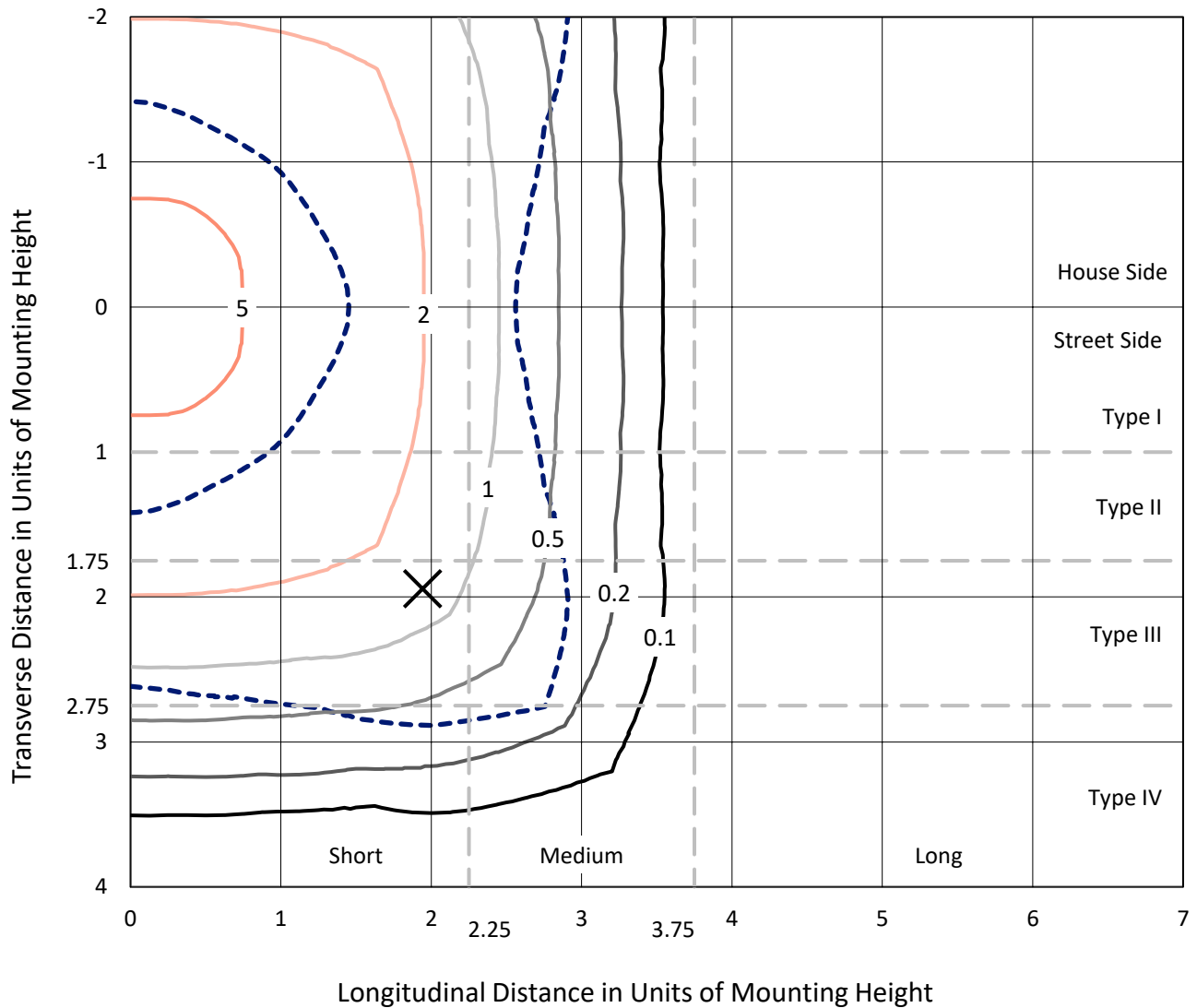
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

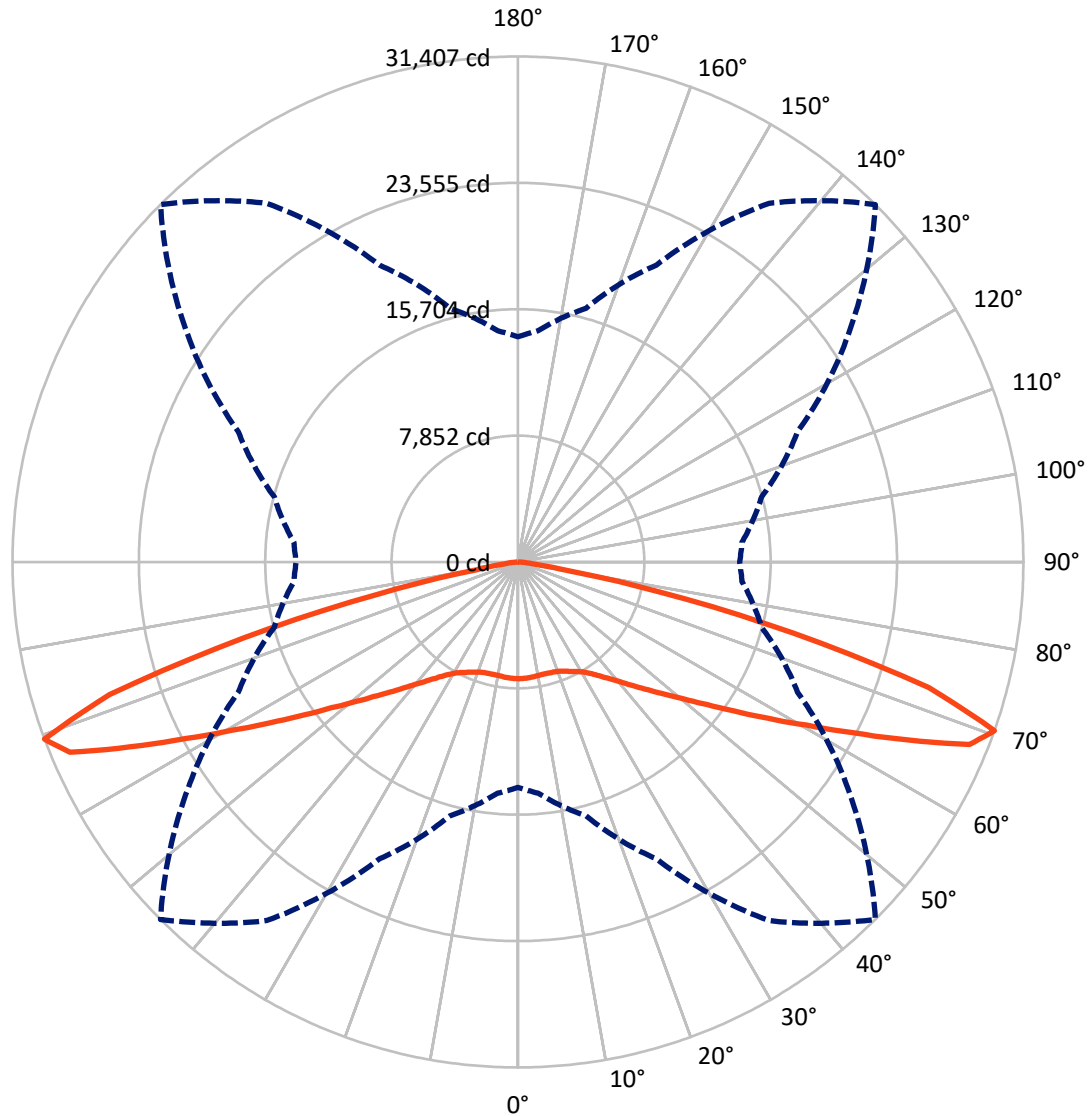
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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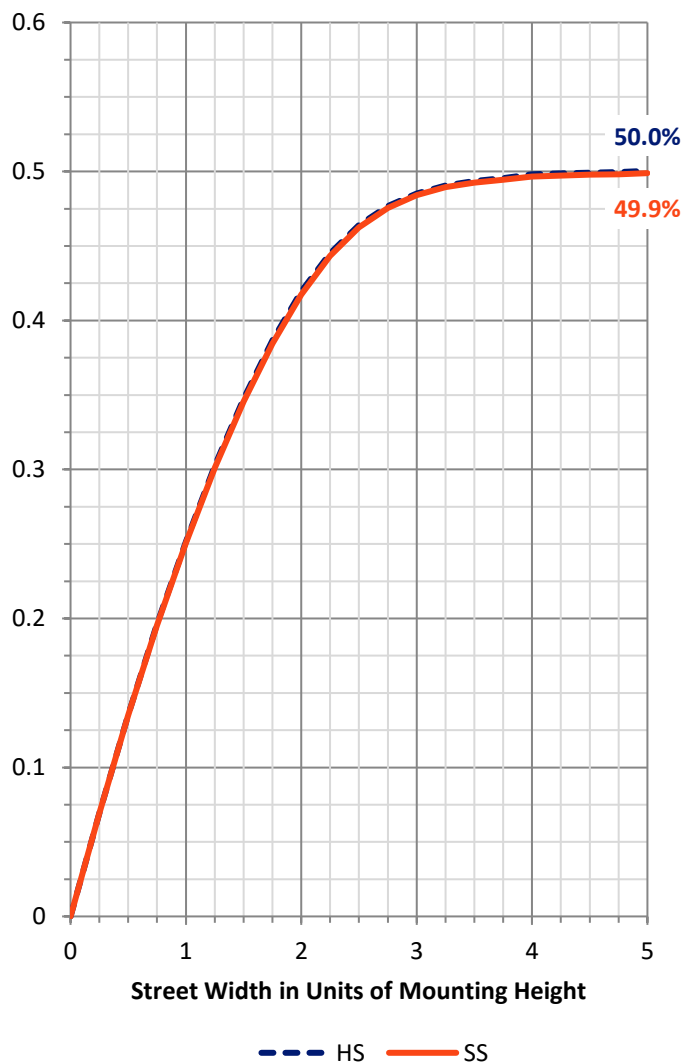
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33213.5	0.0	33213.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33213.5	0.0	33213.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	66427.0	0.0	66427.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.1	1.0
10°-20°	2017.2	3.0
20°-30°	3433.9	5.2
30°-40°	5446.1	8.2
40°-50°	8862.5	13.3
50°-60°	14612.7	22.0
60°-70°	21451.9	32.3
70°-80°	9486.0	14.3
80°-90°	429.6	0.6
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°	66427.0	100.0
0°-180°	66427.0	100.0

Coefficient of Utilization

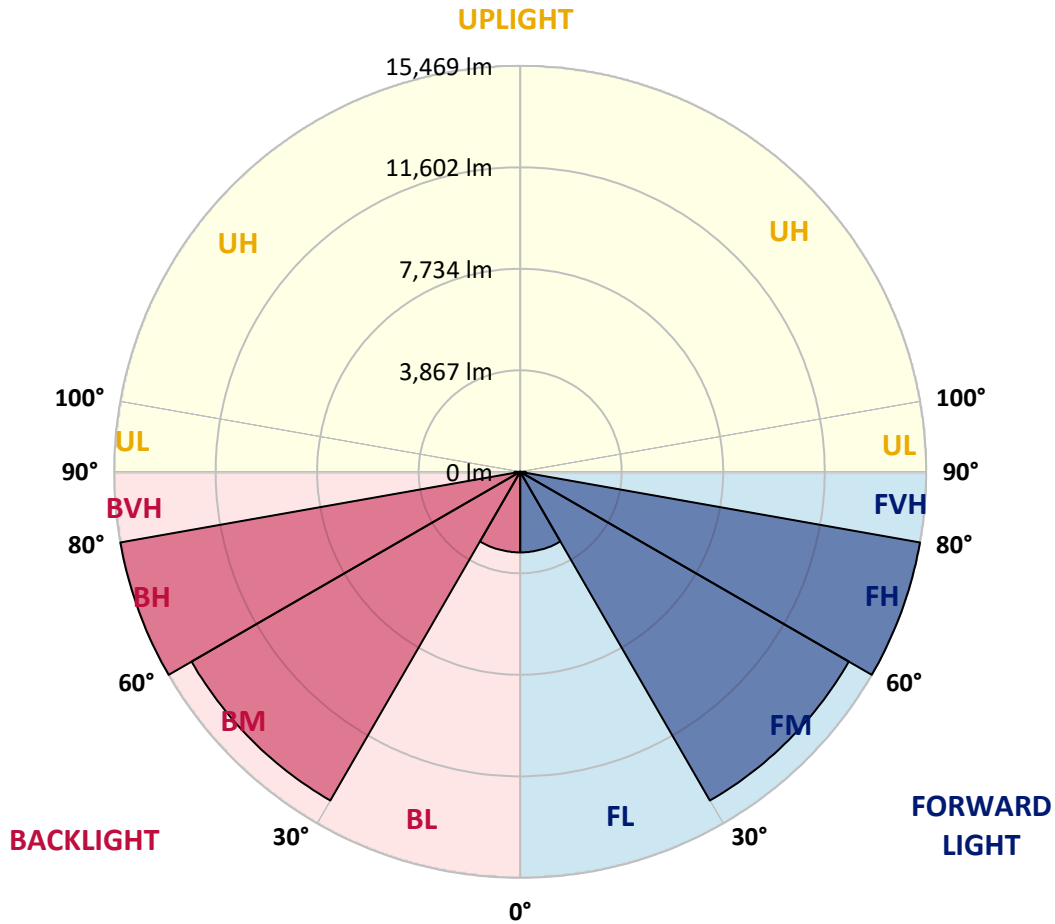


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3069.1	4.6			
FM (30°-60°)	14460.7	21.8			
FH (60°-80°)	15468.9	23.3			G5
FVH (80°-90°)	214.8	0.3			G2/225
BL (0°-30°)	3069.1	4.6	B4/5000		
BM (30°-60°)	14460.7	21.8	B5		
BH (60°-80°)	15468.9	23.3	B5		G5
BVH (80°-90°)	214.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9	7254.9
2.5°	7243.9	7237.3	7252.7	7250.5	7237.3	7239.5	7239.5	7246.1	7246.1	7241.7	7241.7
5°	7217.5	7213.1	7230.7	7230.7	7217.5	7221.9	7226.3	7232.9	7230.7	7226.3	7224.1
7.5°	7184.5	7182.3	7199.9	7199.9	7191.1	7195.5	7191.1	7193.3	7188.9	7184.5	7177.9
10°	7129.6	7133.9	7149.3	7153.7	7153.7	7155.9	7151.5	7140.5	7133.9	7127.4	7120.8
12.5°	7079.0	7076.8	7098.8	7109.8	7127.4	7147.1	7133.9	7103.2	7090.0	7076.8	7072.4
15°	7046.0	7048.2	7070.2	7090.0	7120.8	7162.5	7147.1	7098.8	7072.4	7057.0	7052.6
17.5°	7039.4	7043.8	7072.4	7107.6	7140.5	7186.7	7177.9	7129.6	7085.6	7057.0	7050.4
20°	7054.8	7057.0	7101.0	7151.5	7208.7	7252.7	7232.9	7180.1	7120.8	7076.8	7065.8
22.5°	7083.4	7092.2	7147.1	7226.3	7314.2	7373.6	7349.4	7259.3	7166.9	7112.0	7096.6
25°	7173.5	7175.7	7250.5	7358.2	7463.7	7531.9	7503.3	7375.8	7257.1	7195.5	7175.7
27.5°	7360.4	7367.0	7441.7	7567.0	7657.2	7701.1	7683.6	7580.2	7479.1	7413.2	7419.7
30°	7630.8	7639.6	7723.1	7861.6	7916.6	7927.6	7923.2	7874.8	7782.5	7694.6	7701.1
32.5°	7960.6	7965.0	8077.1	8202.4	8246.4	8255.2	8246.4	8202.4	8092.5	7973.8	7980.3
35°	8384.9	8398.1	8505.8	8626.7	8661.9	8679.5	8664.1	8606.9	8492.6	8376.1	8371.7
37.5°	8908.1	8910.3	9022.4	9147.7	9191.7	9196.1	9178.5	9141.1	8998.2	8892.7	8886.1
40°	9514.9	9523.7	9655.6	9789.7	9807.3	9787.5	9811.7	9789.7	9642.4	9521.5	9541.2
42.5°	10253.5	10273.3	10431.6	10563.5	10513.0	10502.0	10517.4	10523.9	10405.2	10257.9	10244.7
45°	11113.1	11130.7	11328.6	11434.1	11401.1	11328.6	11359.4	11412.1	11247.2	11064.8	11082.4
47.5°	12093.6	12137.6	12348.7	12447.6	12366.2	12267.3	12326.7	12405.8	12212.4	11985.9	11974.9
50°	13184.1	13239.0	13520.4	13658.9	13577.6	13395.1	13494.0	13546.8	13267.6	12975.2	12951.0
52.5°	14347.0	14402.0	14755.9	15041.7	14989.0	14705.4	14843.9	14788.9	14468.0	14074.4	14043.7
55°	15663.9	15685.9	16068.4	16530.1	16582.9	16374.0	16365.2	16275.1	15800.2	15345.1	15323.1
57.5°	17018.1	17033.5	17528.2	18073.4	18321.8	18321.8	18075.6	17884.3	17253.4	16725.8	16670.8
60°	18480.1	18535.1	19082.5	19823.4	20403.8	20575.2	20139.9	19618.9	18933.0	18288.8	18225.1
62.5°	19781.6	19845.3	20683.0	21786.6	22718.7	23343.1	22279.0	21430.4	20181.7	19148.4	19027.5
65°	19946.5	20118.0	21338.1	23336.5	25422.8	26669.3	24629.2	22538.4	20263.0	18827.5	18704.4
67.5°	18216.3	18506.5	20155.3	23266.1	27577.3	30252.8	26130.7	21905.3	18803.3	17216.0	17079.7
70°	13997.5	14419.6	16321.2	20351.0	27205.7	31407.0	25189.8	19177.0	15677.1	13968.9	13777.6
72.5°	7679.2	7852.8	9563.2	13935.9	21810.8	26689.1	21010.5	14180.0	10396.4	8459.6	8138.6
75°	2435.9	2497.4	3368.0	5702.8	12337.7	17677.7	13346.7	6960.3	3831.9	2825.0	2792.0
77.5°	1081.6	1088.2	1217.9	1664.2	4249.6	8956.5	5104.8	1895.1	1305.9	1141.0	1178.4
80°	683.7	683.7	754.1	824.4	1156.4	2600.8	1380.6	901.4	769.5	714.5	729.9
82.5°	327.6	362.7	490.3	527.6	635.4	875.0	707.9	589.2	514.4	382.5	356.1
85°	215.4	180.3	310.0	349.6	369.3	419.9	411.1	389.1	336.4	191.3	213.2
87.5°	96.7	92.3	160.5	147.3	138.5	105.5	158.3	195.7	189.1	94.5	94.5
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)