

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: P317293

Luminaire Tested: **GAN-SA9C-830-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-830-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51363 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

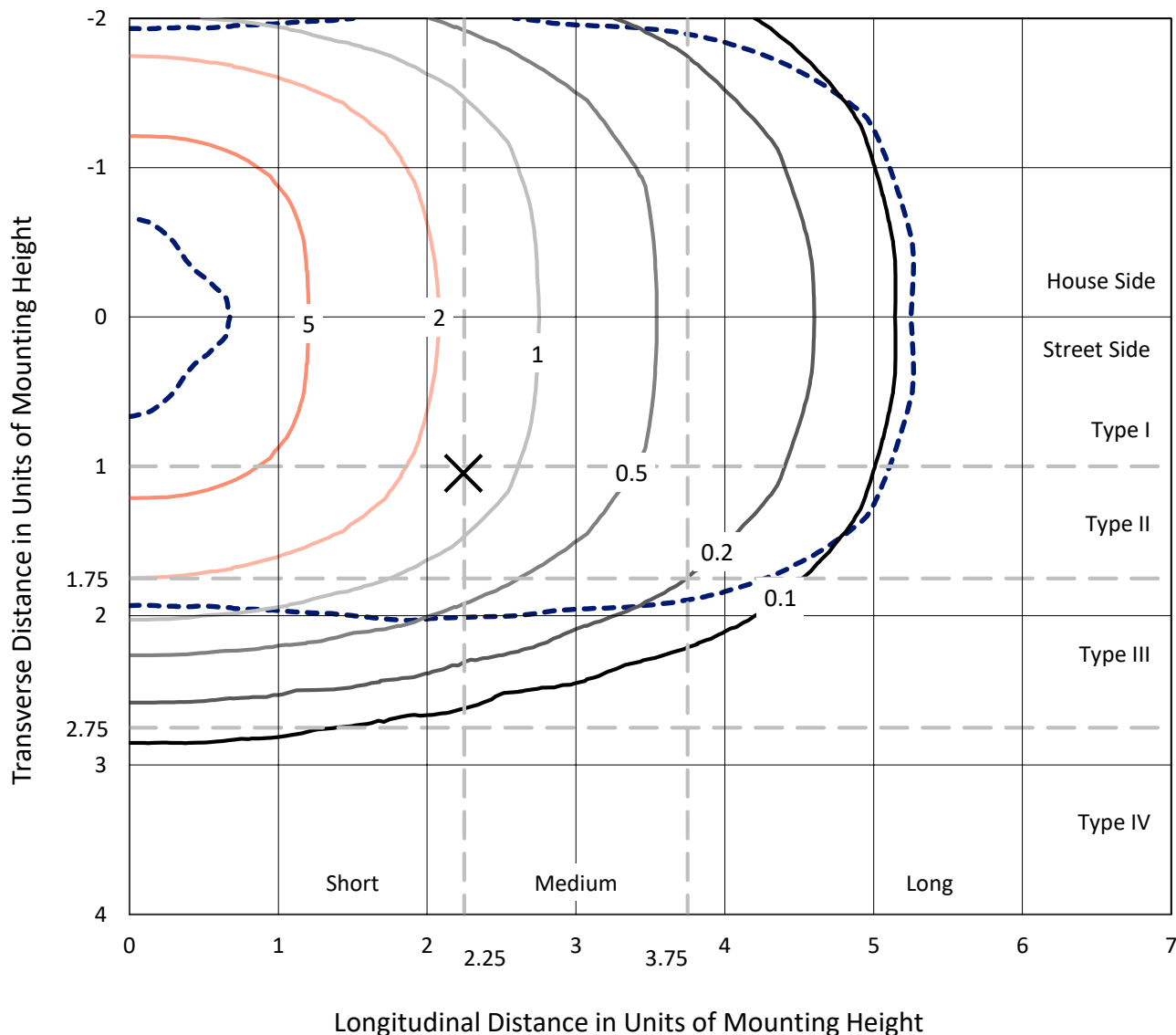
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

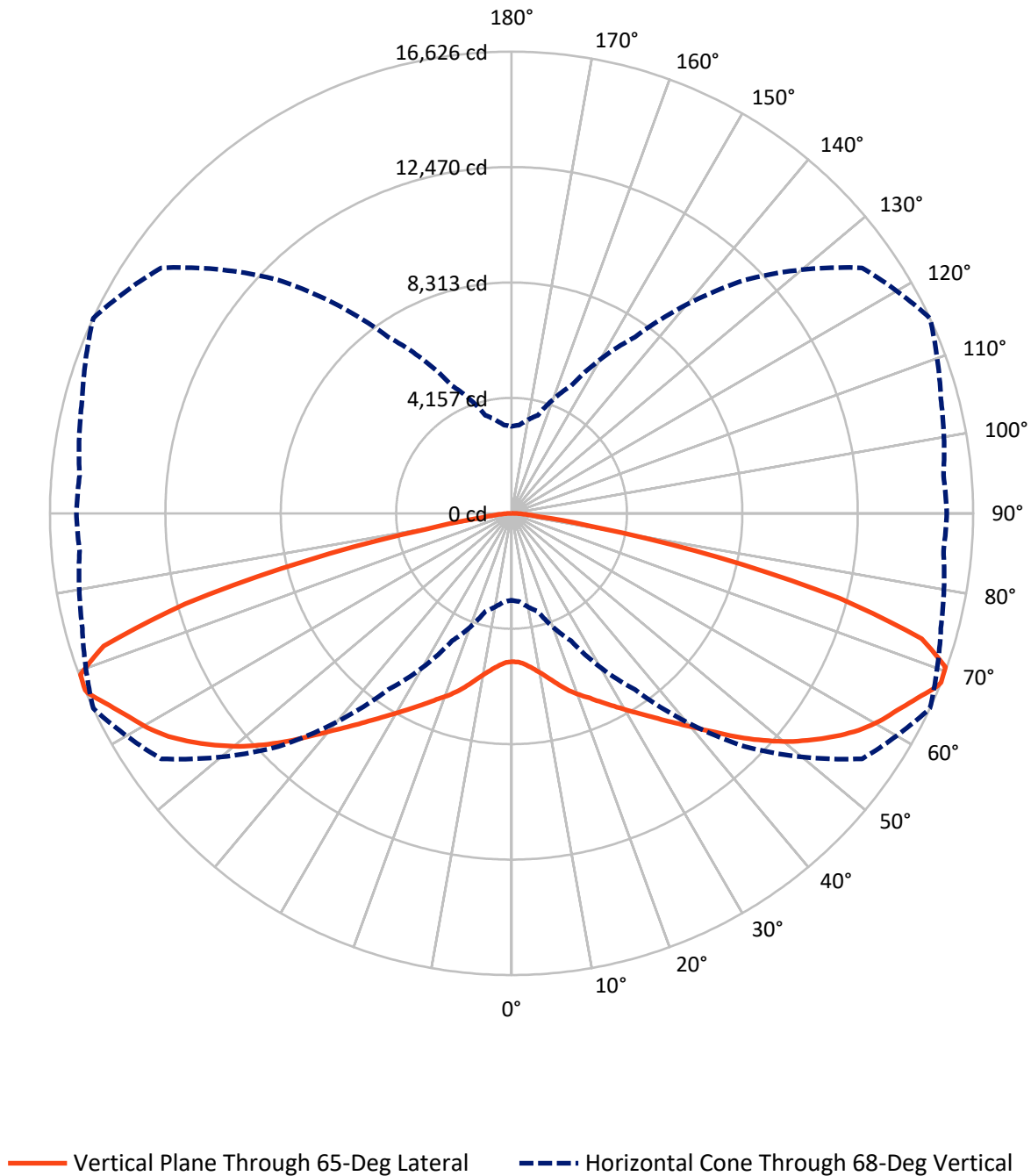
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25681.5	0.0	25681.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25681.5	0.0	25681.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	51363.0	0.0	51363.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.9	1.0
10°-20°	1750.8	3.4
20°-30°	3413.6	6.6
30°-40°	5734.6	11.2
40°-50°	9035.8	17.6
50°-60°	12083.8	23.5
60°-70°	11747.0	22.9
70°-80°	6421.5	12.5
80°-90°	653.1	1.3
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°	51363.0	100.0
0°-180°	51363.0	100.0

Coefficient of Utilization



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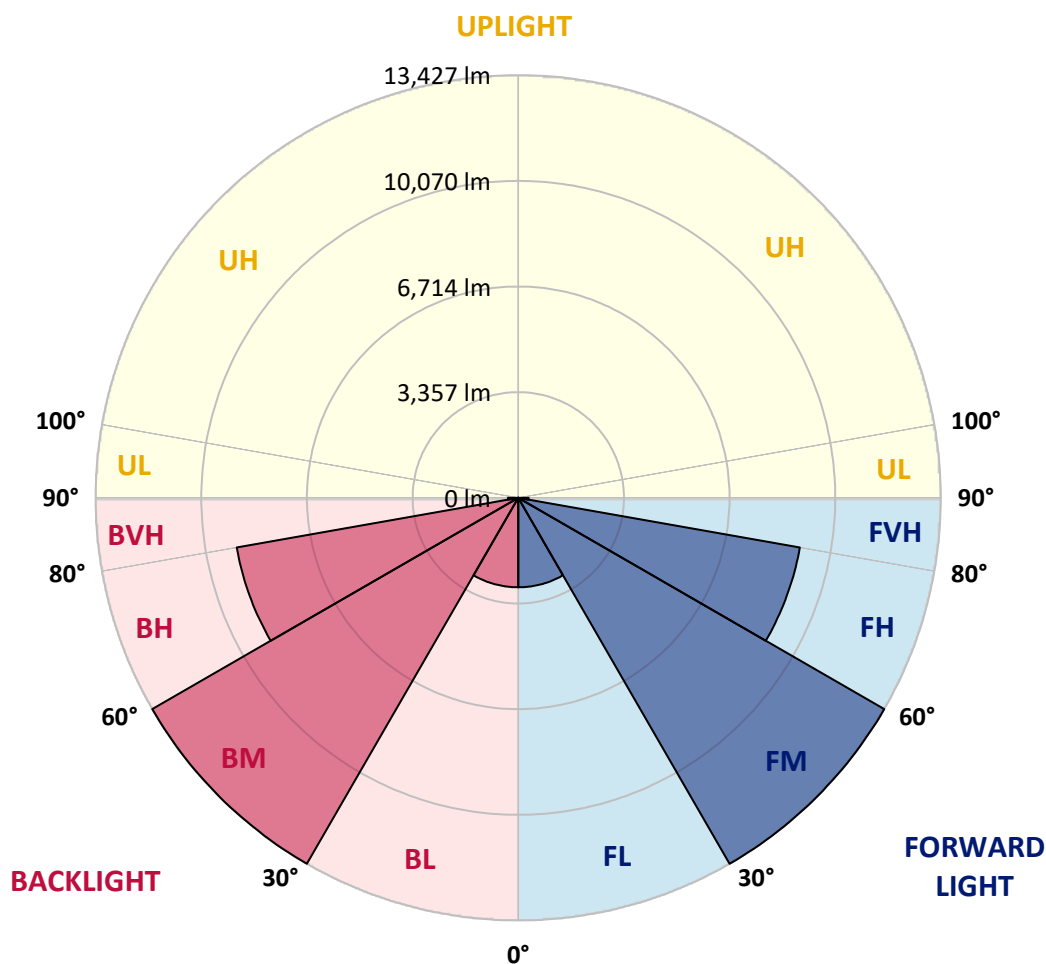
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2843.7	5.5			
FM	(30°-60°)	13427.1	26.1			
FH	(60°-80°)	9084.2	17.7			G4/12000
FVH	(80°-90°)	326.5	0.6			G3/500
BL	(0°-30°)	2843.7	5.5	B4/5000		
BM	(30°-60°)	13427.1	26.1	B5		
BH	(60°-80°)	9084.2	17.7	B5		G5
BVH	(80°-90°)	326.5	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5	5340.5
2.5°	5302.7	5304.4	5313.0	5323.3	5331.9	5354.3	5359.5	5368.1	5371.5	5380.2	5380.2
5°	5256.2	5259.6	5280.3	5307.8	5338.8	5393.9	5433.5	5478.3	5500.7	5524.8	5523.1
7.5°	5251.0	5259.6	5288.9	5333.7	5385.3	5476.6	5559.3	5648.8	5709.1	5764.2	5760.8
10°	5304.4	5318.2	5359.5	5426.7	5504.2	5617.8	5740.1	5860.6	5965.7	6050.1	6053.5
12.5°	5385.3	5402.5	5468.0	5569.6	5686.7	5833.1	5977.8	6113.8	6258.5	6384.2	6394.5
15°	5492.1	5514.5	5612.7	5764.2	5943.3	6117.3	6272.3	6411.8	6578.8	6752.7	6770.0
17.5°	5650.5	5681.5	5810.7	6015.6	6251.6	6442.8	6604.6	6709.7	6849.2	7028.3	7061.0
20°	5891.6	5931.3	6094.9	6339.4	6627.0	6826.8	6950.8	6973.2	7042.1	7202.2	7240.1
22.5°	6205.1	6239.5	6422.1	6713.1	7035.2	7252.2	7317.6	7228.1	7221.2	7350.4	7386.5
25°	6554.7	6585.7	6797.5	7124.7	7470.9	7710.3	7708.6	7534.6	7414.1	7514.0	7551.8
27.5°	6947.4	6995.6	7198.8	7543.2	7913.5	8149.5	8135.7	7867.0	7638.0	7663.8	7696.5
30°	7398.6	7452.0	7650.0	7999.6	8369.9	8600.7	8583.4	8228.7	7884.2	7815.3	7839.5
32.5°	7958.3	8022.0	8209.7	8554.2	8881.4	9089.8	9039.8	8621.3	8180.5	8030.6	8053.0
35°	8631.7	8669.6	8867.6	9206.9	9472.1	9615.0	9510.0	9076.0	8555.9	8375.1	8375.1
37.5°	9313.7	9342.9	9565.1	9894.0	10150.6	10226.4	10021.5	9573.7	9046.7	8790.1	8795.3
40°	9968.1	10047.3	10297.0	10634.6	10887.8	10908.4	10636.3	10142.0	9592.7	9327.4	9358.4
42.5°	10651.8	10729.3	11027.2	11409.6	11633.5	11667.9	11349.3	10779.3	10209.2	9993.9	10028.4
45°	11261.5	11323.5	11667.9	12112.2	12391.2	12480.8	12103.6	11509.5	10875.7	10665.6	10674.2
47.5°	11686.9	11767.8	12146.7	12670.2	13076.7	13214.4	12844.2	12220.7	11531.9	11277.0	11299.4
50°	12072.6	12115.7	12499.7	13071.5	13588.2	13872.3	13555.4	12923.4	12194.9	11924.5	11948.6
52.5°	12287.9	12343.0	12715.0	13310.9	13922.3	14380.4	14187.5	13555.4	12835.6	12572.1	12601.3
55°	12138.1	12179.4	12625.5	13364.3	14128.9	14693.8	14723.1	14173.7	13464.2	13233.4	13316.1
57.5°	11456.1	11507.7	12052.0	13019.8	14154.8	14905.6	15126.1	14747.2	14051.4	13863.7	13911.9
60°	10390.0	10422.8	11003.1	12091.6	13651.9	14993.5	15382.7	15215.6	14626.6	14438.9	14504.4
62.5°	8490.4	8538.7	9232.7	10691.4	12589.3	14733.4	15630.7	15603.1	15162.3	14990.0	15048.6
65°	5803.8	5888.2	6656.3	8500.8	10951.5	13937.8	15856.3	16054.4	15635.9	15418.9	15496.4
67.5°	3504.7	3566.7	4122.9	5612.7	8380.2	12332.7	15623.8	16567.6	15970.0	15620.4	15684.1
68°	3132.7	3189.5	3654.5	5065.0	7751.6	11879.7	15412.0	16626.1	16006.1	15616.9	15673.7
70°	1892.7	1930.6	2242.3	3131.0	5168.3	9423.9	13967.0	16577.9	16236.9	15665.1	15697.9
72.5°	1233.1	1245.2	1296.8	1606.8	2640.1	5269.9	10483.0	15448.1	16583.1	15945.9	15940.7
75°	1024.7	1017.8	1023.0	1059.2	1302.0	2311.2	6125.9	12203.5	15808.1	15503.2	15394.7
77.5°	866.3	861.1	859.4	861.1	871.4	1116.0	2659.1	7601.8	12096.7	13713.9	13810.3
80°	700.9	694.0	716.4	706.1	675.1	694.0	1114.3	3162.0	5702.2	6134.5	5748.7
82.5°	509.8	483.9	580.4	552.8	527.0	489.1	614.8	1021.3	1360.5	933.4	656.2
85°	392.7	365.1	440.9	423.7	361.7	249.7	365.1	499.4	551.1	315.2	248.0
87.5°	160.2	168.8	318.6	251.4	211.8	120.6	149.8	199.8	268.7	134.3	103.3
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)