

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: P316633

Luminaire Tested: **GAN-SA9A-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316633
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-SA9A-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34778 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

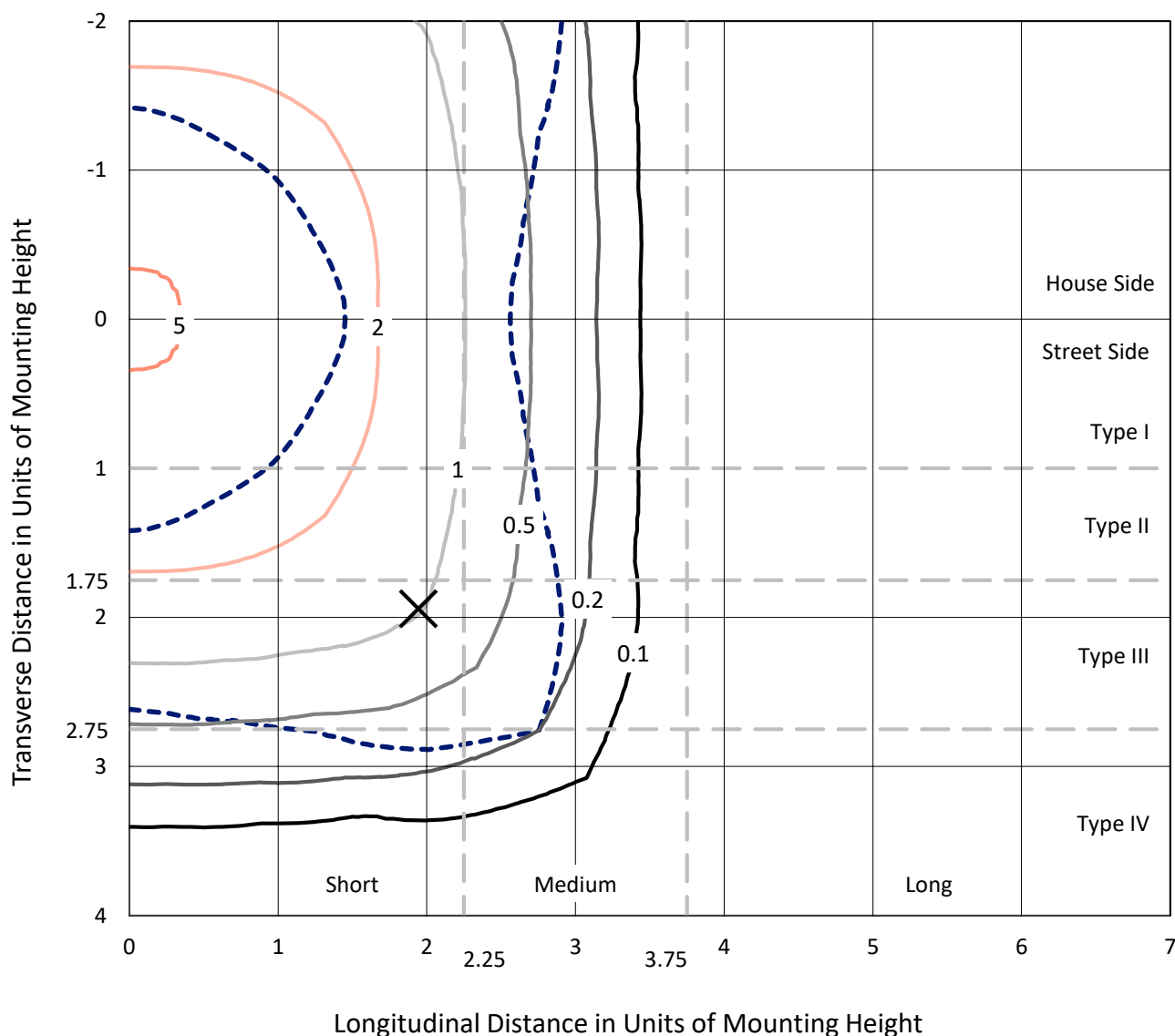
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

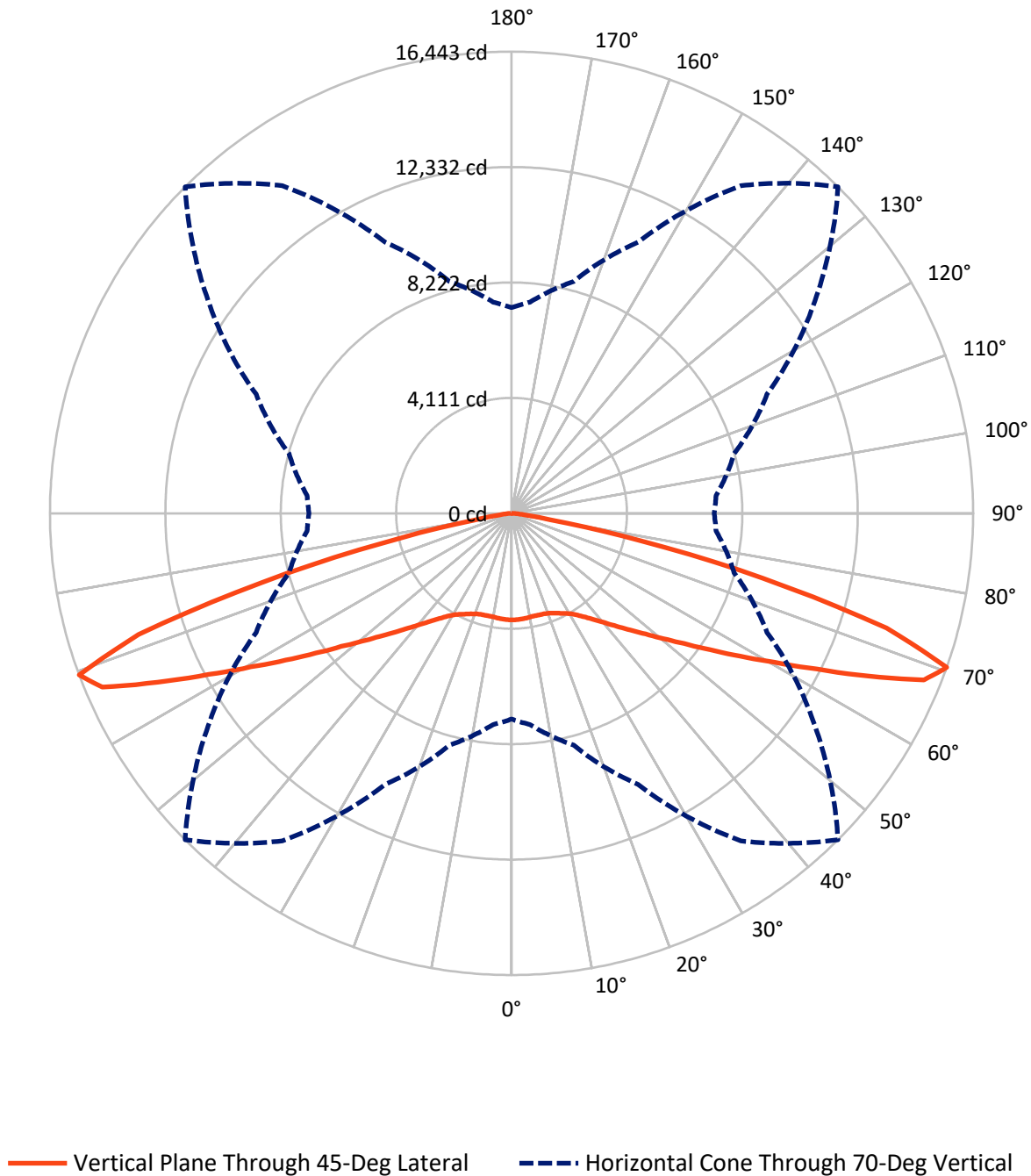
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17389.0	0.0	17389.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17389.0	0.0	17389.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34778.0	0.0	34778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.7	1.0
10°-20°	1056.1	3.0
20°-30°	1797.8	5.2
30°-40°	2851.3	8.2
40°-50°	4640.0	13.3
50°-60°	7650.5	22.0
60°-70°	11231.2	32.3
70°-80°	4966.4	14.3
80°-90°	224.9	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°	34778.0	100.0
0°-180°	34778.0	100.0

Coefficient of Utilization



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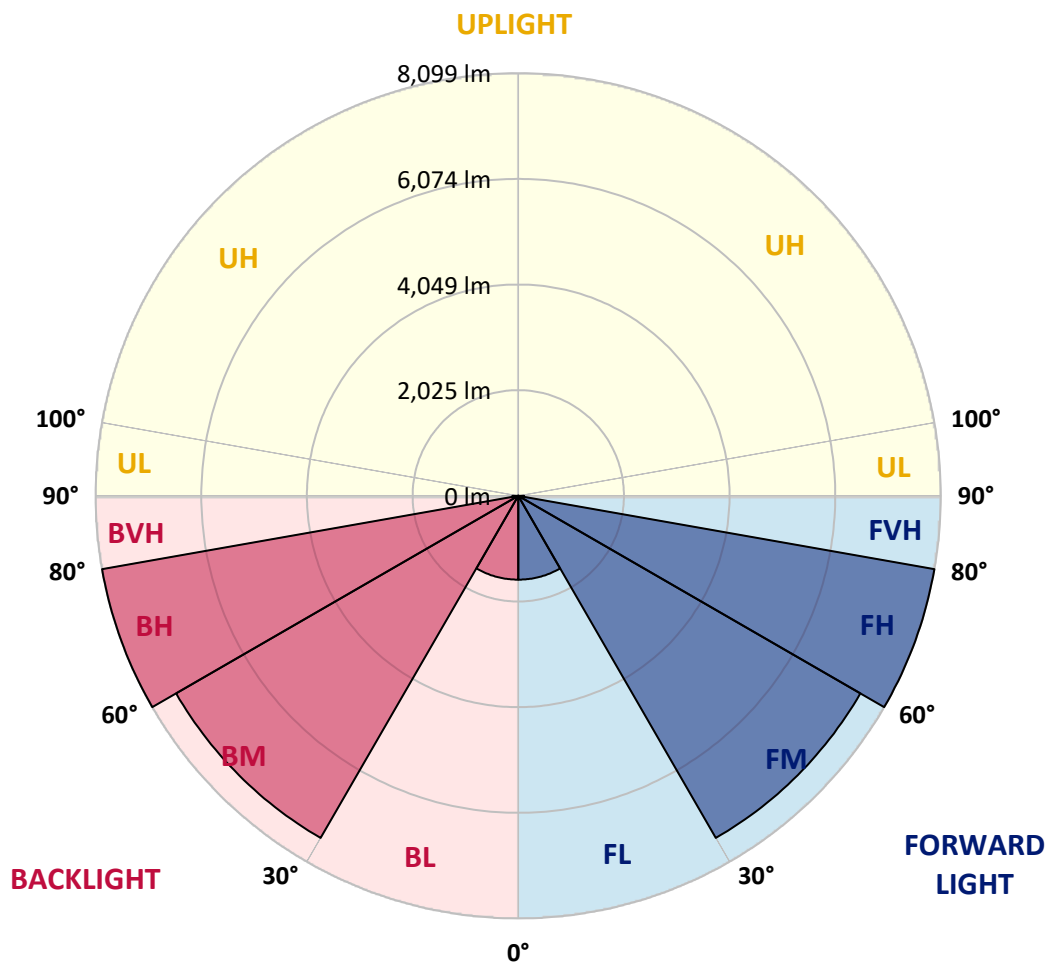
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1606.8	4.6			
FM	(30°-60°)	7570.9	21.8			
FH	(60°-80°)	8098.8	23.3			G4/12000
FVH	(80°-90°)	112.4	0.3			G2/225
BL	(0°-30°)	1606.8	4.6	B3/2500		
BM	(30°-60°)	7570.9	21.8	B4/8500		
BH	(60°-80°)	8098.8	23.3	B5		G4/12000
BVH	(80°-90°)	112.4	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3	3798.3
2.5°	3792.5	3789.1	3797.1	3796.0	3789.1	3790.2	3790.2	3793.7	3793.7	3791.4	3791.4
5°	3778.7	3776.4	3785.6	3785.6	3778.7	3781.0	3783.3	3786.8	3785.6	3783.3	3782.2
7.5°	3761.5	3760.3	3769.5	3769.5	3764.9	3767.2	3764.9	3766.1	3763.8	3761.5	3758.0
10°	3732.7	3735.0	3743.1	3745.4	3745.4	3746.5	3744.2	3738.4	3735.0	3731.5	3728.1
12.5°	3706.2	3705.1	3716.6	3722.3	3731.5	3741.9	3735.0	3718.9	3712.0	3705.1	3702.8
15°	3689.0	3690.1	3701.6	3712.0	3728.1	3750.0	3741.9	3716.6	3702.8	3694.7	3692.4
17.5°	3685.5	3687.8	3702.8	3721.2	3738.4	3762.6	3758.0	3732.7	3709.7	3694.7	3691.3
20°	3693.6	3694.7	3717.7	3744.2	3774.1	3797.1	3786.8	3759.2	3728.1	3705.1	3699.3
22.5°	3708.5	3713.1	3741.9	3783.3	3829.4	3860.5	3847.8	3800.6	3752.3	3723.5	3715.4
25°	3755.7	3756.9	3796.0	3852.4	3907.6	3943.3	3928.4	3861.6	3799.4	3767.2	3756.9
27.5°	3853.5	3857.0	3896.1	3961.7	4008.9	4032.0	4022.7	3968.6	3915.7	3881.2	3884.6
30°	3995.1	3999.7	4043.5	4116.0	4144.7	4150.5	4148.2	4122.9	4074.5	4028.5	4032.0
32.5°	4167.8	4170.1	4228.8	4294.4	4317.4	4322.0	4317.4	4294.4	4236.8	4174.7	4178.1
35°	4389.9	4396.8	4453.2	4516.5	4534.9	4544.1	4536.1	4506.2	4446.3	4385.3	4383.0
37.5°	4663.9	4665.0	4723.7	4789.3	4812.3	4814.6	4805.4	4785.9	4711.0	4655.8	4652.3
40°	4981.5	4986.1	5055.2	5125.4	5134.6	5124.3	5136.9	5125.4	5048.3	4985.0	4995.3
42.5°	5368.3	5378.6	5461.5	5530.6	5504.1	5498.3	5506.4	5509.8	5447.7	5370.6	5363.7
45°	5818.3	5827.5	5931.1	5986.3	5969.1	5931.1	5947.2	5974.8	5888.5	5793.0	5802.2
47.5°	6331.6	6354.7	6465.2	6517.0	6474.4	6422.6	6453.7	6495.1	6393.8	6275.3	6269.5
50°	6902.5	6931.3	7078.6	7151.2	7108.6	7013.0	7064.8	7092.5	6946.3	6793.2	6780.5
52.5°	7511.4	7540.2	7725.5	7875.1	7847.5	7699.0	7771.5	7742.8	7574.7	7368.7	7352.6
55°	8200.9	8212.4	8412.7	8654.4	8682.0	8572.6	8568.0	8520.9	8272.2	8034.0	8022.5
57.5°	8909.9	8917.9	9176.9	9462.4	9592.4	9592.4	9463.5	9363.4	9033.0	8756.8	8728.0
60°	9675.3	9704.1	9990.7	10378.6	10682.4	10772.2	10544.3	10271.5	9912.4	9575.2	9541.8
62.5°	10356.7	10390.1	10828.6	11406.4	11894.4	12221.3	11664.2	11219.9	10566.2	10025.2	9961.9
65°	10443.0	10532.8	11171.6	12217.9	13310.2	13962.8	12894.6	11800.0	10608.8	9857.2	9792.7
67.5°	9537.2	9689.1	10552.4	12181.0	14438.1	15838.9	13680.8	11468.6	9844.5	9013.5	8942.1
70°	7328.4	7549.4	8545.0	10654.8	14243.6	16443.2	13188.2	10040.2	8207.8	7313.5	7213.3
72.5°	4020.4	4111.4	5006.8	7296.2	11419.1	13973.1	11000.1	7423.9	5443.1	4429.0	4261.0
75°	1275.3	1307.5	1763.3	2985.7	6459.4	9255.2	6987.7	3644.1	2006.2	1479.0	1461.8
77.5°	566.3	569.7	637.7	871.3	2224.9	4689.2	2672.6	992.2	683.7	597.4	616.9
80°	358.0	358.0	394.8	431.6	605.4	1361.6	722.8	471.9	402.8	374.1	382.1
82.5°	171.5	189.9	256.7	276.2	332.6	458.1	370.6	308.5	269.3	200.3	186.5
85°	112.8	94.4	162.3	183.0	193.4	219.8	215.2	203.7	176.1	100.1	111.6
87.5°	50.6	48.3	84.0	77.1	72.5	55.2	82.9	102.4	99.0	49.5	49.5
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)