

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: P316233

Luminaire Tested: **GAN-SA9A-760-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9A-760-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43882 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

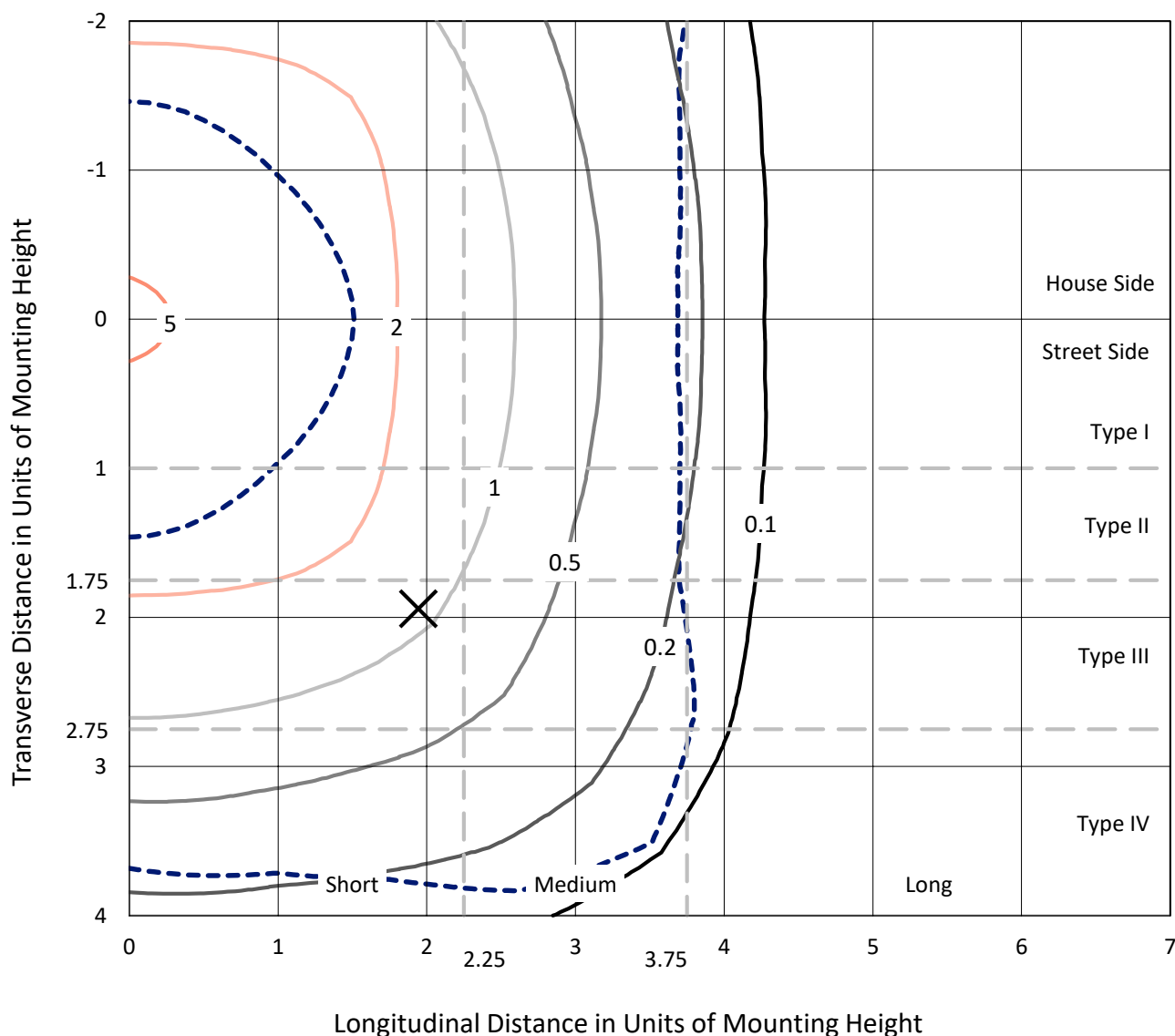
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

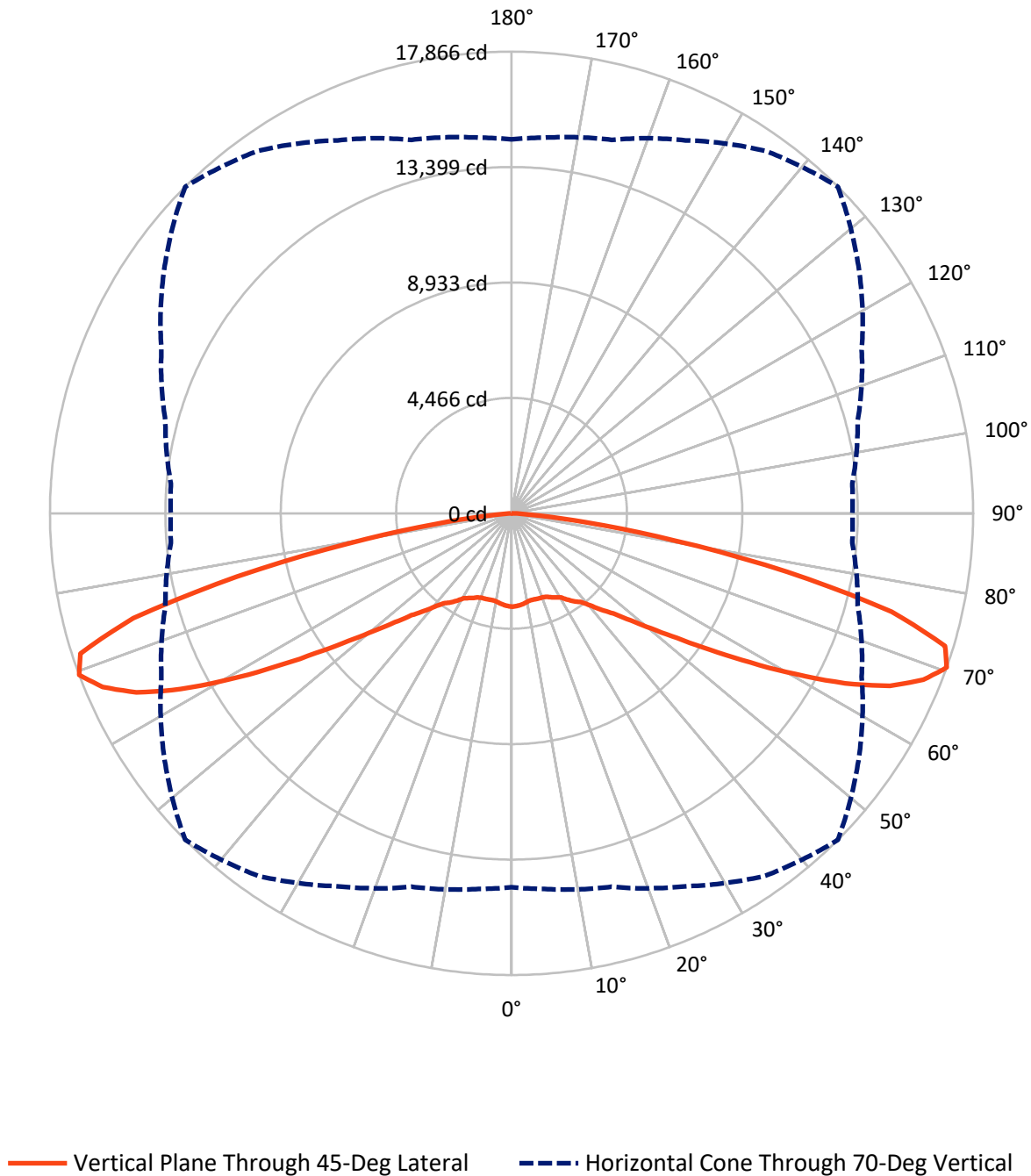
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	21941.0	0.0	21941.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21941.0	0.0	21941.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	43882.0	0.0	43882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.1	0.8
10°-20°	984.6	2.2
20°-30°	1678.7	3.8
30°-40°	2623.0	6.0
40°-50°	4445.5	10.1
50°-60°	8106.6	18.5
60°-70°	13956.1	31.8
70°-80°	10939.3	24.9
80°-90°	811.1	1.8
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°	43882.0	100.0
0°-180°	43882.0	100.0

Coefficient of Utilization



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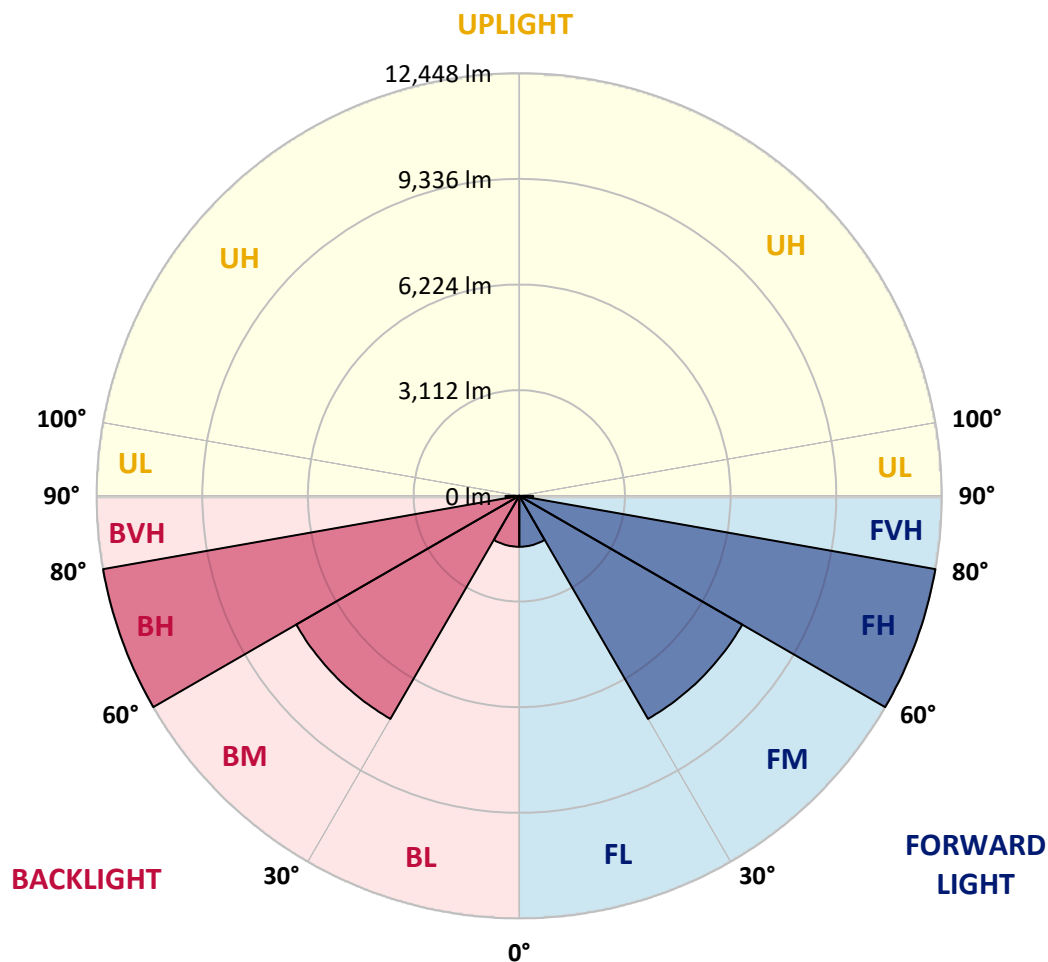
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1500.2	3.4			
FM	(30°-60°)	7587.6	17.3			
FH	(60°-80°)	12447.7	28.4			G5
FVH	(80°-90°)	405.6	0.9			G3/500
BL	(0°-30°)	1500.2	3.4	B3/2500		
BM	(30°-60°)	7587.6	17.3	B4/8500		
BH	(60°-80°)	12447.7	28.4	B5		G5
BVH	(80°-90°)	405.6	0.9			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 V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5	3611.5
2.5°	3595.5	3599.9	3595.5	3598.4	3591.2	3594.1	3594.1	3594.1	3592.6	3594.1	3591.2
5°	3563.6	3566.5	3560.7	3563.6	3559.2	3563.6	3565.0	3563.6	3560.7	3562.1	3556.3
7.5°	3515.7	3518.6	3514.2	3518.6	3512.8	3520.0	3518.6	3514.2	3509.9	3509.9	3504.1
10°	3489.6	3491.0	3479.4	3475.0	3462.0	3464.9	3469.2	3473.6	3478.0	3486.7	3485.2
12.5°	3491.0	3491.0	3473.6	3454.7	3435.9	3440.2	3447.5	3463.4	3480.9	3496.8	3498.3
15°	3505.5	3504.1	3478.0	3447.5	3434.4	3447.5	3451.8	3462.0	3489.6	3517.1	3518.6
17.5°	3515.7	3515.7	3475.0	3440.2	3438.8	3459.1	3457.6	3462.0	3492.5	3533.1	3534.6
20°	3534.6	3534.6	3482.3	3444.6	3444.6	3466.3	3467.8	3475.0	3505.5	3550.5	3557.8
22.5°	3576.7	3578.1	3522.9	3492.5	3495.4	3508.4	3512.8	3524.4	3552.0	3601.3	3610.0
25°	3636.2	3639.1	3582.5	3565.0	3575.2	3599.9	3597.0	3605.7	3636.2	3684.1	3692.8
27.5°	3718.9	3711.7	3659.4	3652.1	3662.3	3679.7	3678.3	3679.7	3704.4	3747.9	3758.1
30°	3826.3	3823.4	3785.7	3790.0	3785.7	3779.9	3781.3	3792.9	3806.0	3840.8	3851.0
32.5°	3930.8	3933.7	3910.5	3932.3	3964.2	3986.0	3952.6	3920.7	3906.2	3925.0	3933.7
35°	4119.5	4126.8	4090.5	4076.0	4119.5	4183.4	4089.1	4036.8	4065.8	4090.5	4097.8
37.5°	4440.3	4444.7	4383.7	4325.7	4293.7	4354.7	4260.3	4264.7	4366.3	4412.8	4411.3
40°	4806.1	4807.6	4766.9	4716.1	4661.0	4675.5	4637.8	4649.4	4716.1	4758.2	4769.8
42.5°	5241.6	5237.2	5173.4	5100.8	5084.8	5099.3	5035.5	5026.8	5103.7	5179.2	5180.6
45°	5806.3	5796.1	5713.4	5633.5	5556.6	5524.7	5508.7	5550.8	5656.8	5726.4	5727.9
47.5°	6414.5	6386.9	6343.3	6279.5	6212.7	6180.8	6154.6	6175.0	6251.9	6279.5	6282.4
50°	7040.1	7045.9	7054.6	7029.9	7005.3	6995.1	6926.9	6887.7	6910.9	6860.1	6852.8
52.5°	7781.8	7793.5	7877.6	7948.8	7990.9	8012.6	7883.5	7748.5	7673.0	7574.3	7545.2
55°	8657.1	8676.0	8799.4	8996.8	9200.0	9307.4	9073.7	8821.2	8587.5	8403.1	8343.6
57.5°	9632.6	9666.0	9835.8	10214.7	10631.3	10885.3	10490.5	10031.8	9580.3	9314.7	9268.2
60°	10776.4	10808.4	11043.5	11586.4	12261.4	12643.1	12045.1	11294.6	10732.9	10478.9	10393.2
62.5°	12138.0	12140.9	12429.8	13064.1	13955.3	14486.6	13676.6	12673.6	12094.4	11788.2	11705.4
65°	13602.6	13609.9	13908.9	14594.0	15515.8	16093.5	15179.0	14133.9	13425.5	12974.1	12910.2
67.5°	14637.6	14668.1	14983.1	15807.5	16669.8	17190.9	16244.5	15062.9	14244.2	13705.7	13652.0
70°	14472.1	14591.1	14961.3	15923.7	17122.7	17865.9	16417.2	14952.6	13872.6	13236.8	13191.8
72.5°	12621.4	12849.3	13342.8	14605.7	16523.2	17546.5	15475.1	13392.1	12169.9	11628.5	11547.2
75°	8594.7	8964.9	9709.5	11531.2	14116.5	15192.1	13027.8	10677.7	9528.1	8779.1	8723.9
77.5°	3832.1	3916.3	4859.8	6957.4	9741.5	10910.0	9465.7	6984.9	5243.1	4182.0	3958.4
80°	1068.4	1081.4	1442.9	2591.0	4875.8	6410.1	5234.3	2721.7	1529.9	1078.5	1016.1
82.5°	339.7	368.7	450.0	672.1	1638.8	2924.9	1682.4	725.8	516.8	412.2	371.6
85°	165.5	164.0	227.9	272.9	418.1	647.4	445.6	336.8	294.7	196.0	177.1
87.5°	69.7	71.1	106.0	95.8	121.9	104.5	143.7	151.0	158.2	87.1	75.5
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)