

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: P316331

Luminaire Tested: **GAN-SA7C-830-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316331
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-SA7C-830-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41875 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

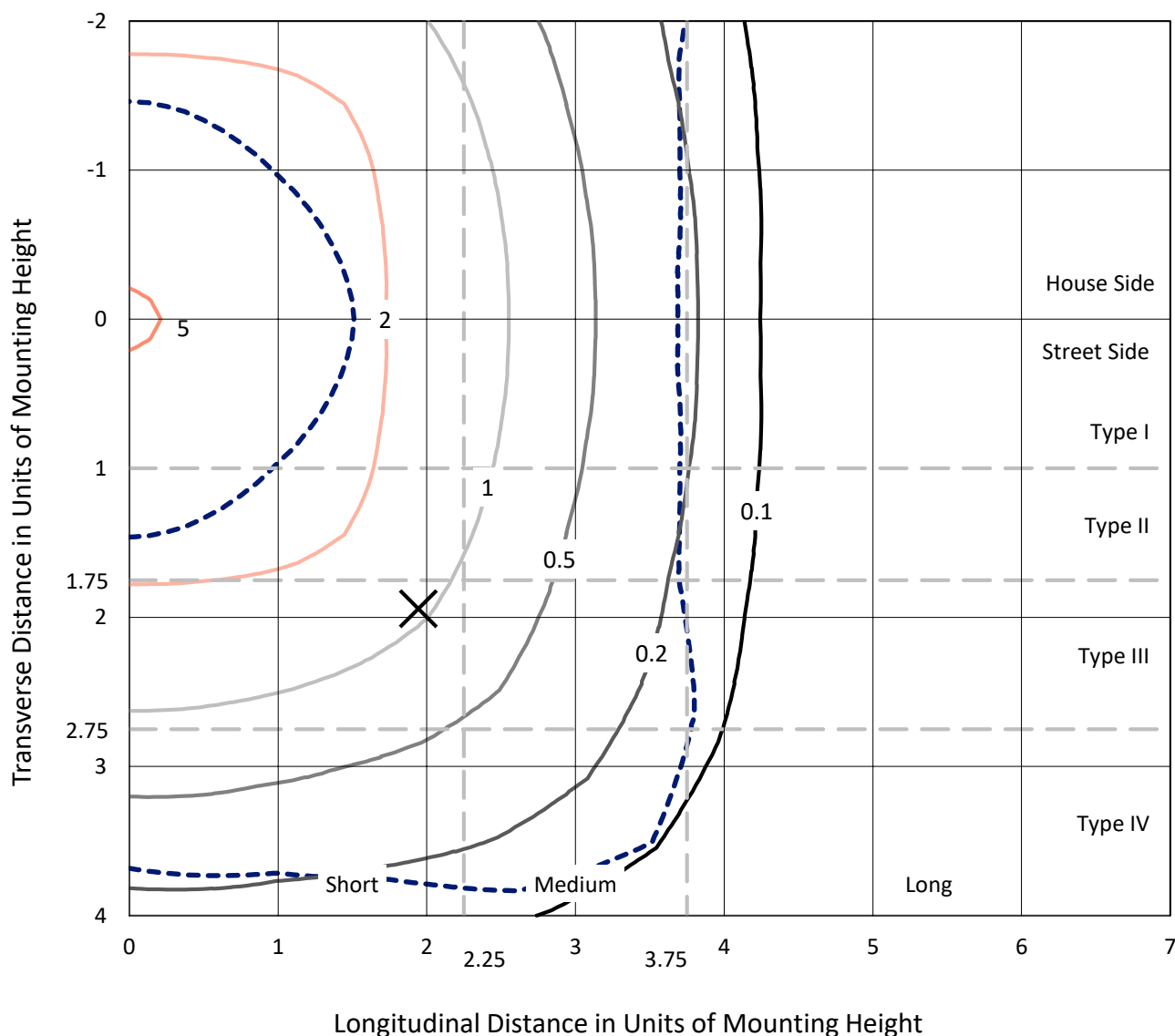
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

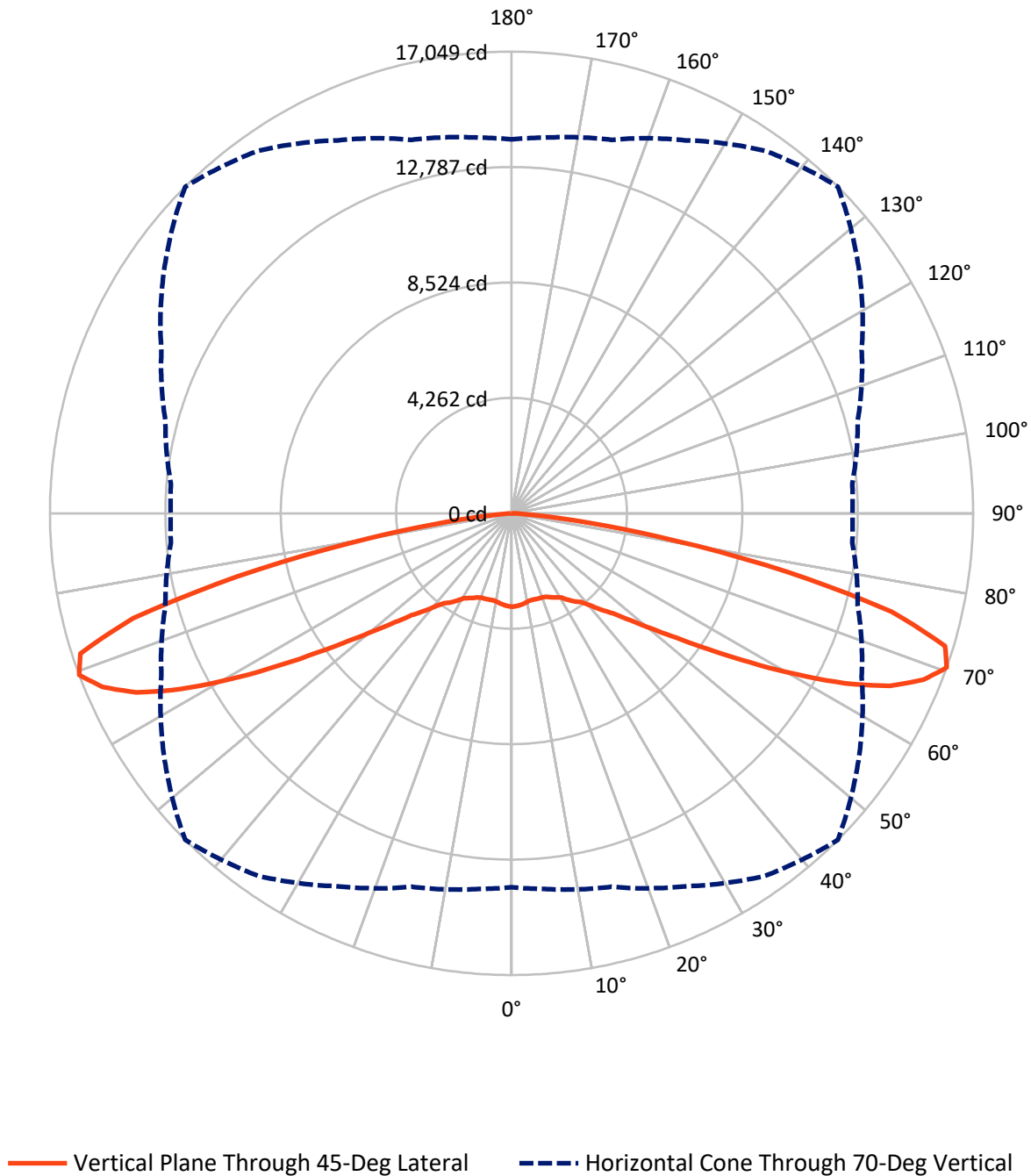
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	20937.5	0.0	20937.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20937.5	0.0	20937.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41875.0	0.0	41875.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.7	0.8
10°-20°	939.6	2.2
20°-30°	1601.9	3.8
30°-40°	2503.1	6.0
40°-50°	4242.1	10.1
50°-60°	7735.8	18.5
60°-70°	13317.8	31.8
70°-80°	10439.0	24.9
80°-90°	774.0	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°	41875.0	100.0
0°-180°	41875.0	100.0

Coefficient of Utilization



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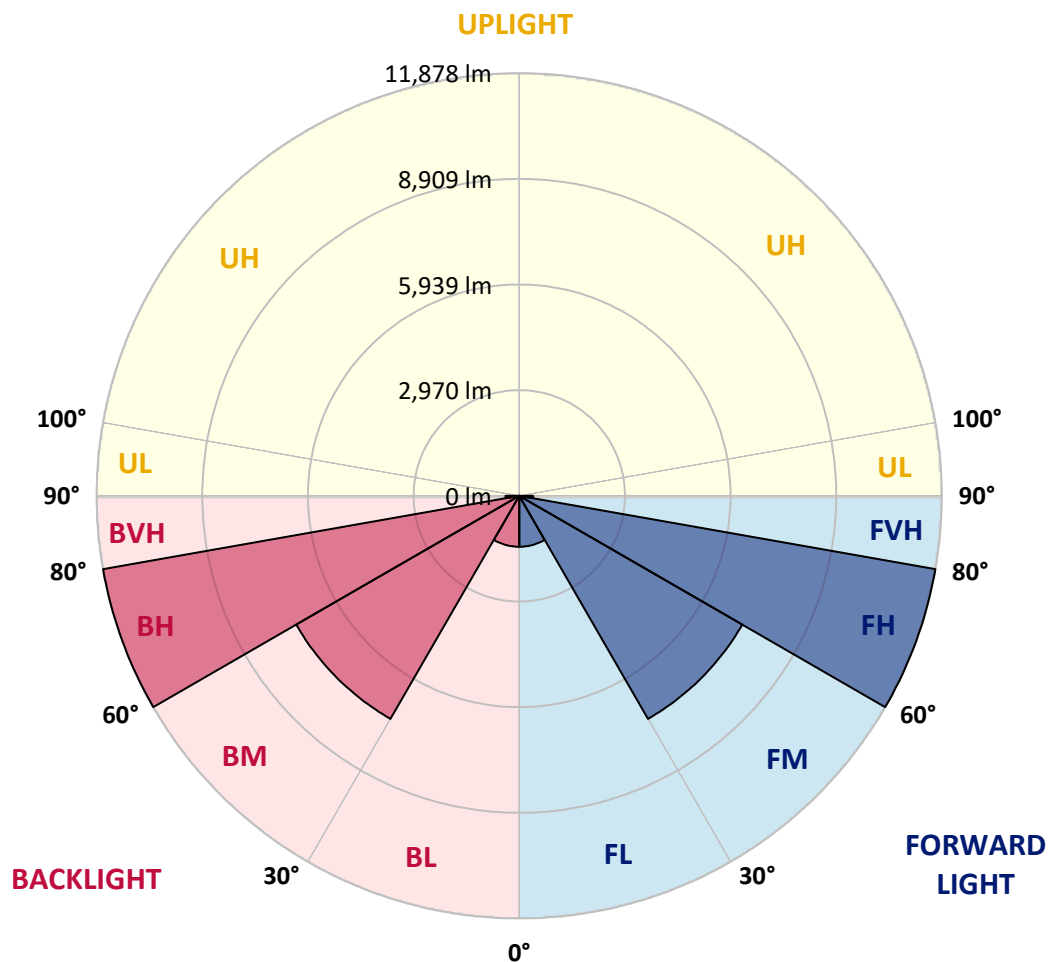
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1431.6	3.4			
FM	(30°-60°)	7240.5	17.3			
FH	(60°-80°)	11878.4	28.4			G4/12000
FVH	(80°-90°)	387.0	0.9			G3/500
BL	(0°-30°)	1431.6	3.4	B3/2500		
BM	(30°-60°)	7240.5	17.3	B4/8500		
BH	(60°-80°)	11878.4	28.4	B5		G4/12000
BVH	(80°-90°)	387.0	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-G4

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3	3446.3
2.5°	3431.1	3435.2	3431.1	3433.9	3426.9	3429.7	3429.7	3429.7	3428.3	3429.7	3426.9
5°	3400.6	3403.4	3397.8	3400.6	3396.5	3400.6	3402.0	3400.6	3397.8	3399.2	3393.7
7.5°	3354.9	3357.7	3353.5	3357.7	3352.1	3359.1	3357.7	3353.5	3349.4	3349.4	3343.8
10°	3330.0	3331.3	3320.3	3316.1	3303.6	3306.4	3310.6	3314.7	3318.9	3327.2	3325.8
12.5°	3331.3	3331.3	3314.7	3296.7	3278.7	3282.9	3289.8	3305.0	3321.7	3336.9	3338.3
15°	3345.2	3343.8	3318.9	3289.8	3277.3	3289.8	3293.9	3303.6	3330.0	3356.3	3357.7
17.5°	3354.9	3354.9	3316.1	3282.9	3281.5	3300.9	3299.5	3303.6	3332.7	3371.5	3372.9
20°	3372.9	3372.9	3323.0	3287.0	3287.0	3307.8	3309.2	3316.1	3345.2	3388.1	3395.1
22.5°	3413.1	3414.5	3361.8	3332.7	3335.5	3348.0	3352.1	3363.2	3389.5	3436.6	3444.9
25°	3469.9	3472.6	3418.6	3402.0	3411.7	3435.2	3432.5	3440.8	3469.9	3515.6	3523.9
27.5°	3548.8	3541.9	3492.0	3485.1	3494.8	3511.4	3510.0	3511.4	3535.0	3576.5	3586.2
30°	3651.3	3648.6	3612.5	3616.7	3612.5	3607.0	3608.4	3619.5	3631.9	3665.2	3674.9
32.5°	3751.1	3753.8	3731.7	3752.4	3782.9	3803.7	3771.8	3741.4	3727.5	3745.5	3753.8
35°	3931.1	3938.1	3903.4	3889.6	3931.1	3992.1	3902.0	3852.2	3879.9	3903.4	3910.4
37.5°	4237.3	4241.4	4183.2	4127.8	4097.4	4155.5	4065.5	4069.6	4166.6	4210.9	4209.6
40°	4586.3	4587.7	4548.9	4500.4	4447.8	4461.7	4425.6	4436.7	4500.4	4540.6	4551.7
42.5°	5001.9	4997.7	4936.8	4867.5	4852.3	4866.1	4805.2	4796.9	4870.3	4942.3	4943.7
45°	5540.7	5531.0	5452.1	5375.9	5302.5	5272.0	5256.7	5296.9	5398.0	5464.5	5465.9
47.5°	6121.1	6094.8	6053.2	5992.3	5928.6	5898.1	5873.1	5892.5	5966.0	5992.3	5995.0
50°	6718.1	6723.6	6732.0	6708.4	6684.9	6675.2	6610.1	6572.7	6594.8	6546.3	6539.4
52.5°	7425.9	7437.0	7517.4	7585.2	7625.4	7646.2	7522.9	7394.1	7322.0	7227.8	7200.1
55°	8261.2	8279.2	8396.9	8585.3	8779.2	8881.7	8658.7	8417.7	8194.7	8018.8	7962.0
57.5°	9192.0	9223.9	9386.0	9747.5	10145.0	10387.4	10010.7	9573.0	9142.2	8888.7	8844.3
60°	10283.5	10314.0	10538.4	11056.5	11700.6	12064.9	11494.2	10778.1	10242.0	9999.6	9917.9
62.5°	11582.8	11585.6	11861.3	12466.6	13317.1	13824.1	13051.1	12094.0	11541.3	11249.0	11170.1
65°	12980.5	12987.4	13272.8	13926.6	14806.1	15357.4	14484.8	13487.5	12811.5	12380.7	12319.8
67.5°	13968.1	13997.2	14297.8	15084.6	15907.4	16404.6	15501.5	14374.0	13592.7	13078.8	13027.6
70°	13810.2	13923.8	14277.0	15195.4	16339.5	17048.7	15666.3	14268.7	13238.1	12631.4	12588.5
72.5°	12044.1	12261.6	12732.5	13937.6	15767.5	16744.0	14767.4	12779.6	11613.3	11096.6	11019.1
75°	8201.6	8554.8	9265.4	11003.8	13470.8	14497.3	12432.0	10189.4	9092.3	8377.5	8324.9
77.5°	3656.9	3737.2	4637.6	6639.1	9295.9	10411.0	9032.7	6665.5	5003.3	3990.7	3777.4
80°	1019.5	1032.0	1376.9	2472.5	4652.8	6116.9	4994.9	2597.2	1460.0	1029.2	969.6
82.5°	324.1	351.8	429.4	641.3	1563.9	2791.1	1605.4	692.6	493.1	393.4	354.6
85°	157.9	156.5	217.5	260.4	398.9	617.8	425.2	321.4	281.2	187.0	169.0
87.5°	66.5	67.9	101.1	91.4	116.4	99.7	137.1	144.1	151.0	83.1	72.0
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)