

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: P316113

Luminaire Tested: **GAN-SA9A-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316113
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-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 39963 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

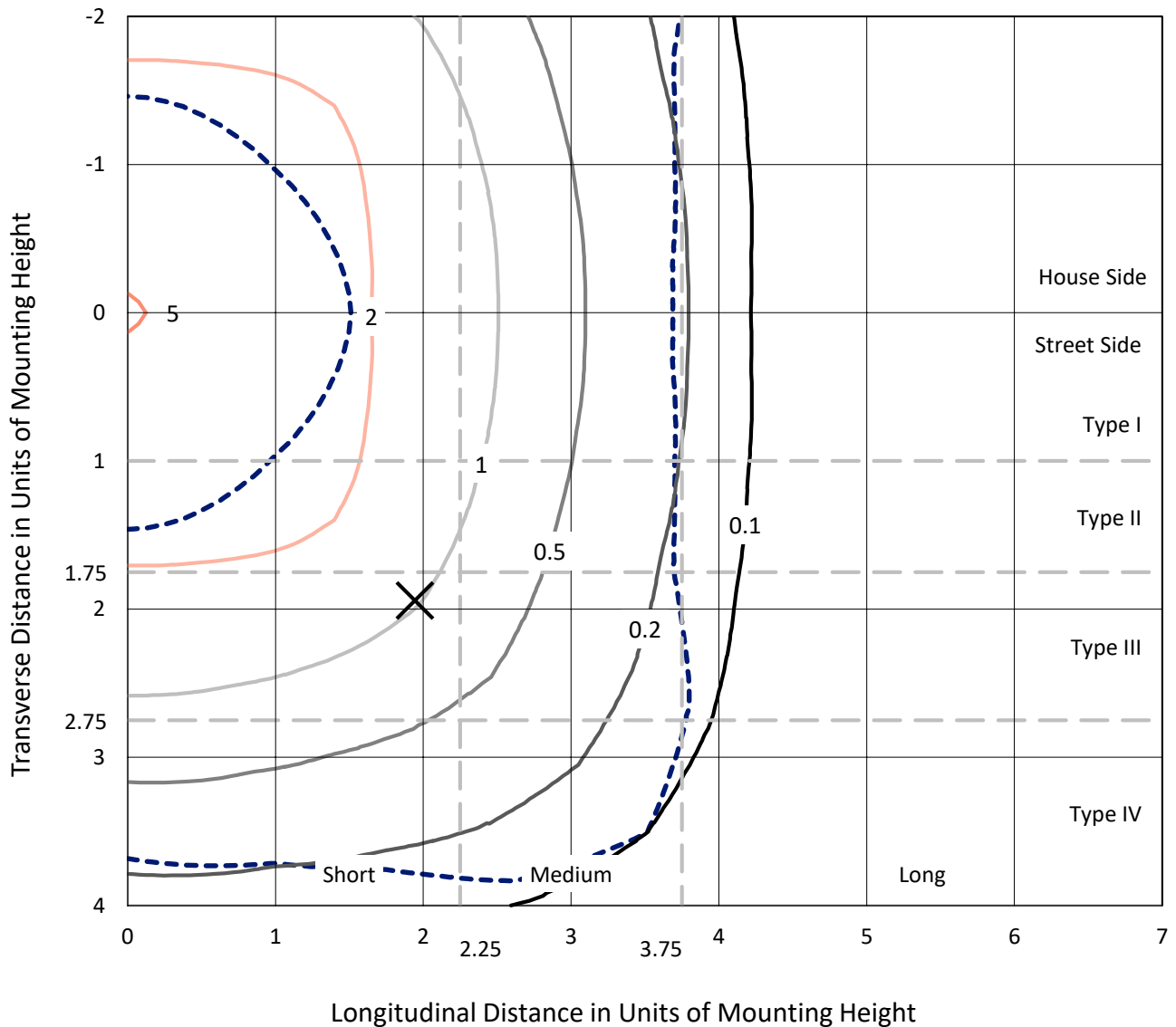
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

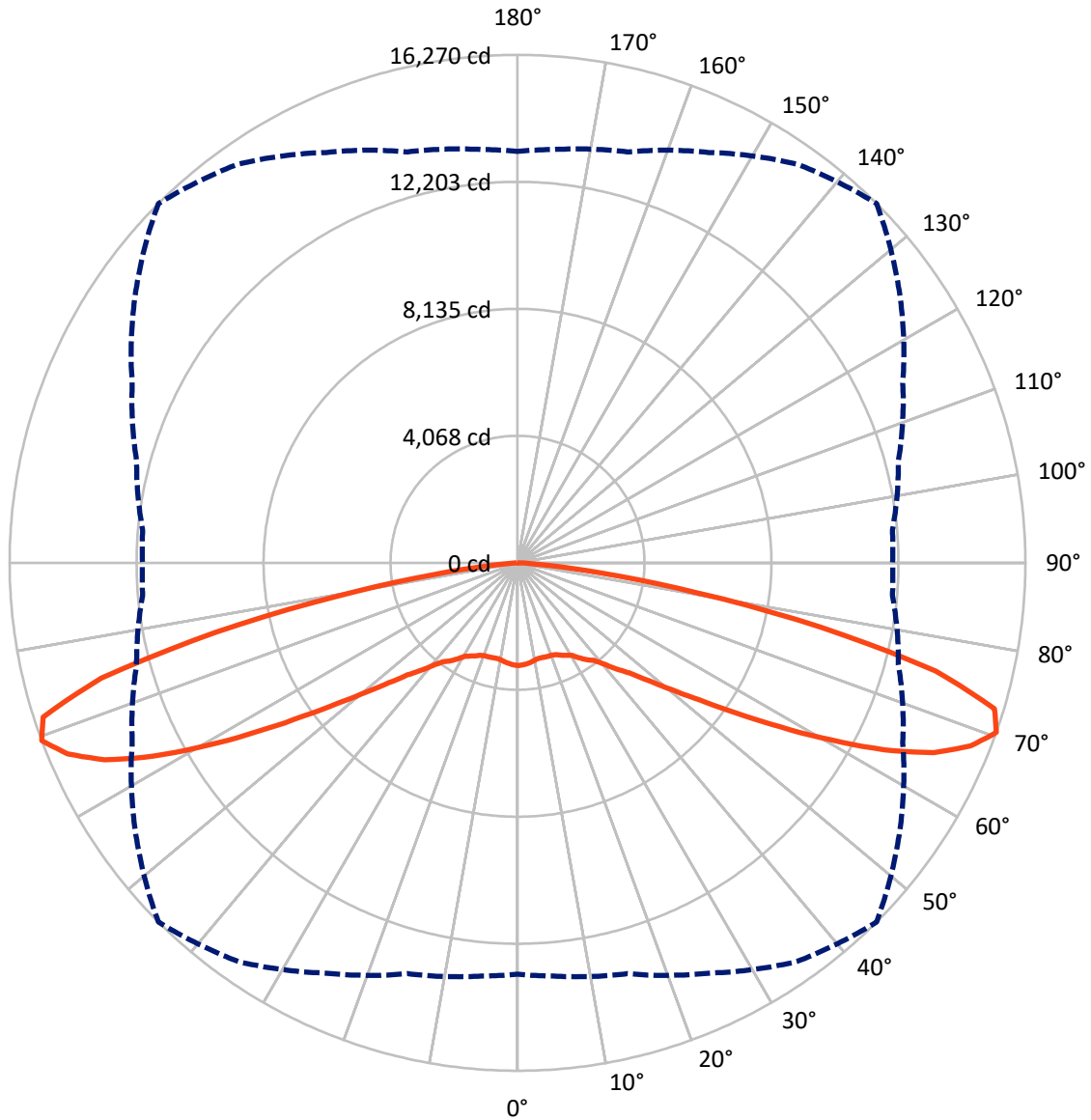
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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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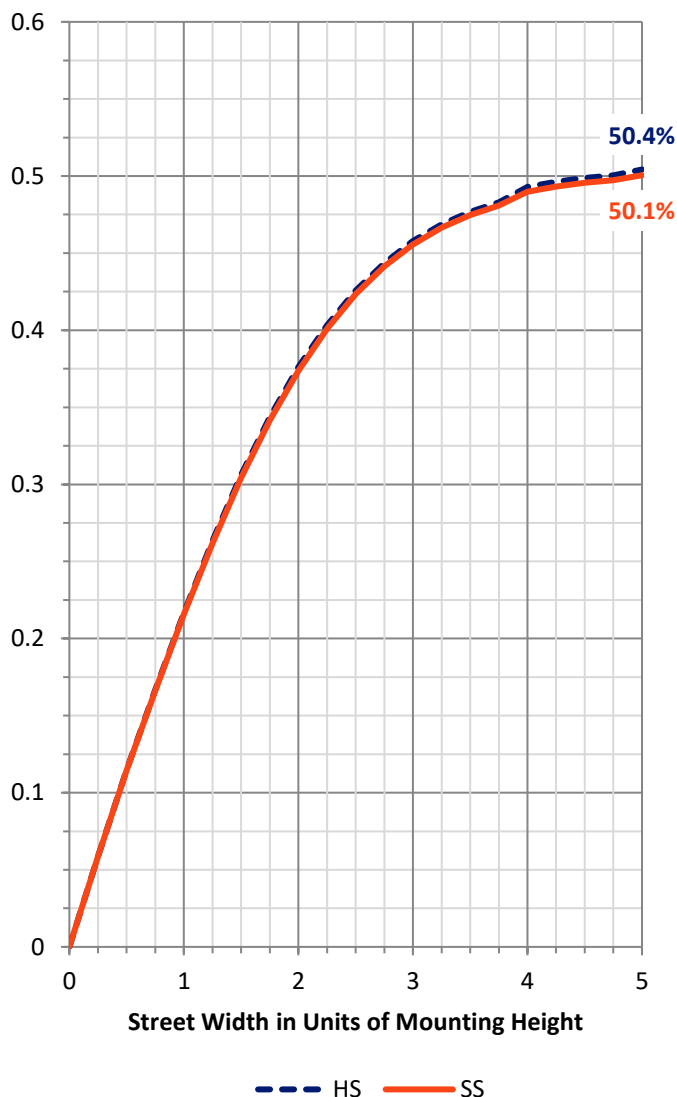
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19981.5	0.0	19981.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19981.5	0.0	19981.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39963.0	0.0	39963.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	0.8
10°-20°	896.7	2.2
20°-30°	1528.8	3.8
30°-40°	2388.8	6.0
40°-50°	4048.4	10.1
50°-60°	7382.6	18.5
60°-70°	12709.7	31.8
70°-80°	9962.3	24.9
80°-90°	738.7	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°	39963.0	100.0
0°-180°	39963.0	100.0

Coefficient of Utilization



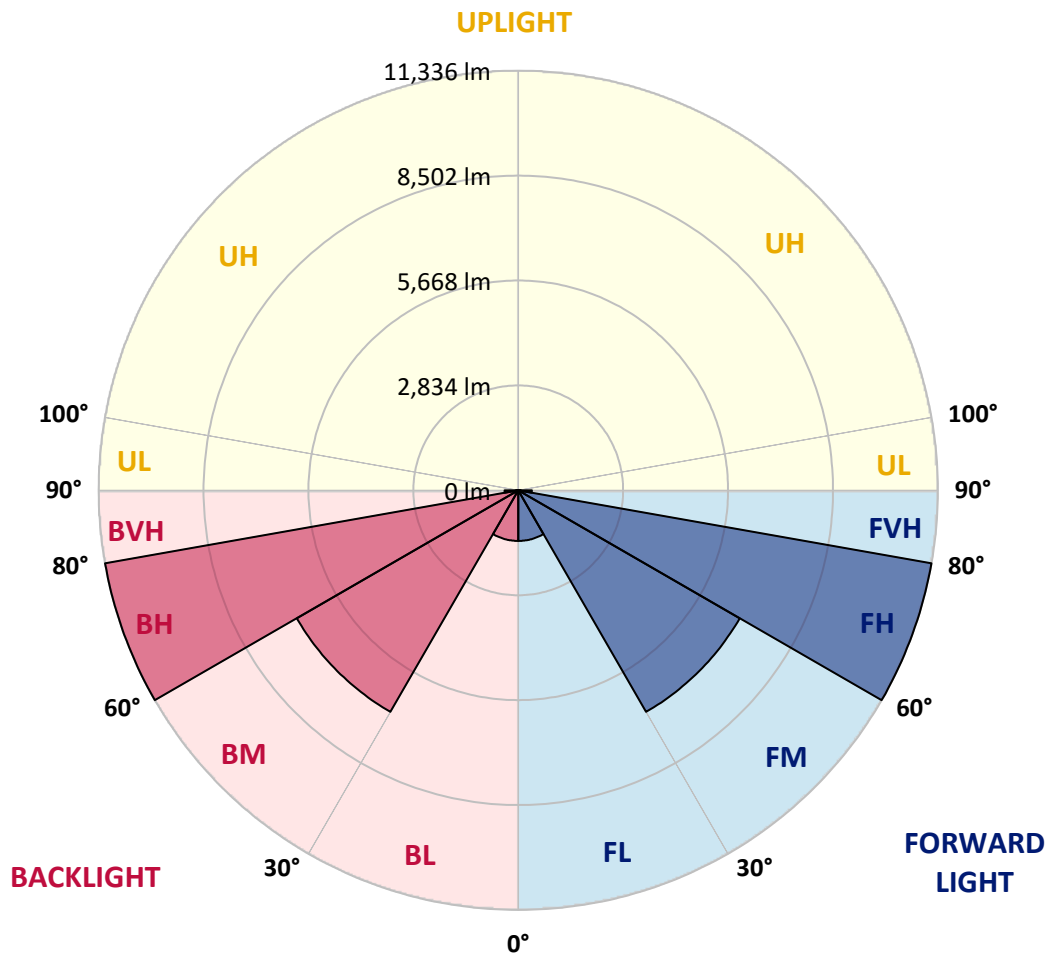
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.2	3.4			
FM (30°-60°)	6909.9	17.3			
FH (60°-80°)	11336.0	28.4			G4/12000
FVH (80°-90°)	369.3	0.9			G3/500
BL (0°-30°)	1366.2	3.4	B3/2500		
BM (30°-60°)	6909.9	17.3	B4/8500		
BH (60°-80°)	11336.0	28.4	B5		G4/12000
BVH (80°-90°)	369.3	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°	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0	3289.0
2.5°	3274.4	3278.4	3274.4	3277.1	3270.5	3273.1	3273.1	3273.1	3271.8	3273.1	3270.5
5°	3245.3	3248.0	3242.7	3245.3	3241.4	3245.3	3246.7	3245.3	3242.7	3244.0	3238.7
7.5°	3201.7	3204.4	3200.4	3204.4	3199.1	3205.7	3204.4	3200.4	3196.4	3196.4	3191.1
10°	3177.9	3179.2	3168.7	3164.7	3152.8	3155.4	3159.4	3163.4	3167.3	3175.3	3174.0
12.5°	3179.2	3179.2	3163.4	3146.2	3129.0	3133.0	3139.6	3154.1	3170.0	3184.5	3185.8
15°	3192.5	3191.1	3167.3	3139.6	3127.7	3139.6	3143.5	3152.8	3177.9	3203.0	3204.4
17.5°	3201.7	3201.7	3164.7	3133.0	3131.7	3150.2	3148.8	3152.8	3180.6	3217.6	3218.9
20°	3218.9	3218.9	3171.3	3136.9	3136.9	3156.8	3158.1	3164.7	3192.5	3233.4	3240.0
22.5°	3257.2	3258.6	3208.3	3180.6	3183.2	3195.1	3199.1	3209.6	3234.8	3279.7	3287.6
25°	3311.4	3314.1	3262.5	3246.7	3255.9	3278.4	3275.7	3283.7	3311.4	3355.1	3363.0
27.5°	3386.8	3380.2	3332.6	3326.0	3335.2	3351.1	3349.8	3351.1	3373.6	3413.2	3422.5
30°	3484.6	3482.0	3447.6	3451.6	3447.6	3442.3	3443.6	3454.2	3466.1	3497.8	3507.1
32.5°	3579.8	3582.4	3561.3	3581.1	3610.2	3630.0	3599.6	3570.5	3557.3	3574.5	3582.4
35°	3751.6	3758.2	3725.2	3712.0	3751.6	3809.8	3723.9	3676.3	3702.7	3725.2	3731.8
37.5°	4043.8	4047.7	3992.2	3939.3	3910.3	3965.8	3879.9	3883.8	3976.4	4018.7	4017.3
40°	4376.9	4378.2	4341.2	4294.9	4244.7	4257.9	4223.6	4234.1	4294.9	4333.3	4343.9
42.5°	4773.5	4769.5	4711.4	4645.3	4630.7	4643.9	4585.8	4577.8	4647.9	4716.6	4718.0
45°	5287.7	5278.5	5203.1	5130.4	5060.3	5031.3	5016.7	5055.1	5151.6	5215.0	5216.3
47.5°	5841.6	5816.5	5776.8	5718.7	5657.9	5628.8	5605.0	5623.5	5693.5	5718.7	5721.3
50°	6411.4	6416.6	6424.6	6402.1	6379.6	6370.4	6308.2	6272.6	6293.7	6247.4	6240.8
52.5°	7086.9	7097.4	7174.1	7238.9	7277.2	7297.1	7179.4	7056.5	6987.7	6897.8	6871.4
55°	7884.0	7901.2	8013.5	8193.3	8378.4	8476.2	8263.4	8033.4	7820.5	7652.6	7598.5
57.5°	8772.3	8802.7	8957.4	9302.4	9681.8	9913.1	9553.6	9135.9	8724.7	8482.8	8440.5
60°	9814.0	9843.1	10057.2	10551.6	11166.3	11514.0	10969.4	10285.9	9774.3	9543.0	9465.0
62.5°	11054.0	11056.6	11319.7	11897.4	12709.0	13192.9	12455.2	11541.8	11014.3	10735.4	10660.0
65°	12387.8	12394.4	12666.7	13290.7	14130.1	14656.2	13823.4	12871.6	12226.5	11815.4	11757.2
67.5°	13330.3	13358.1	13645.0	14395.8	15181.0	15655.6	14793.7	13717.7	12972.1	12481.7	12432.7
70°	13179.6	13288.0	13625.1	14501.6	15593.5	16270.3	14951.0	13617.2	12633.7	12054.7	12013.7
72.5°	11494.2	11701.7	12151.2	13301.3	15047.5	15979.5	14093.1	12196.1	11083.1	10590.0	10515.9
75°	7827.1	8164.2	8842.4	10501.4	12855.8	13835.3	11864.3	9724.1	8677.1	7995.0	7944.8
77.5°	3489.9	3566.6	4425.8	6336.0	8871.5	9935.6	8620.3	6361.1	4774.8	3808.5	3604.9
80°	972.9	984.8	1314.0	2359.6	4440.4	5837.6	4766.9	2478.6	1393.3	982.2	925.4
82.5°	309.3	335.8	409.8	612.1	1492.5	2663.7	1532.1	661.0	470.6	375.4	338.4
85°	150.7	149.4	207.5	248.5	380.7	589.6	405.8	306.7	268.4	178.5	161.3
87.5°	63.5	64.8	96.5	87.2	111.0	95.2	130.9	137.5	144.1	79.3	68.7
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)