

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: P316768

Luminaire Tested: **GAN-SA4C-730-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316768  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4C-730-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26803 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

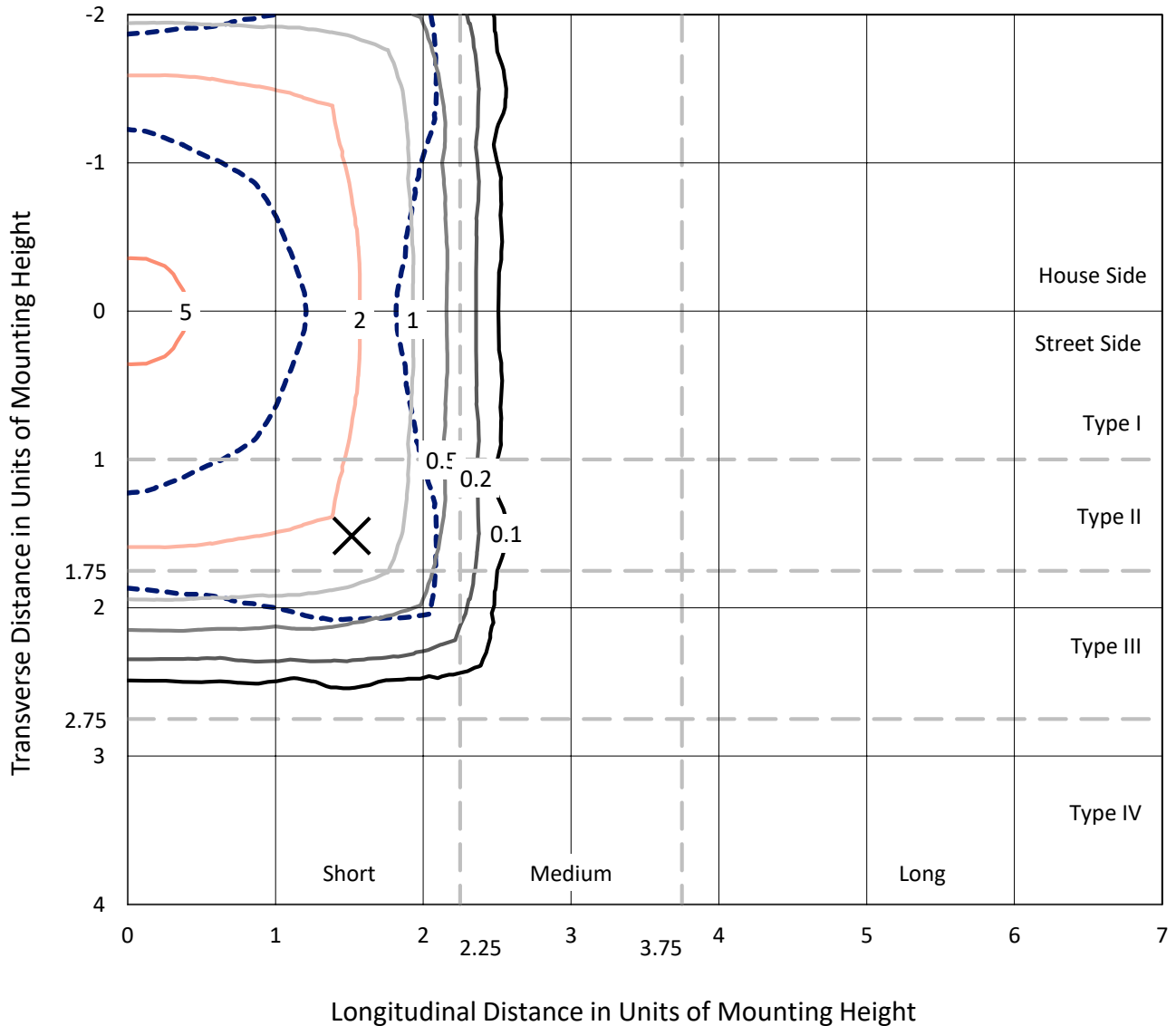
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

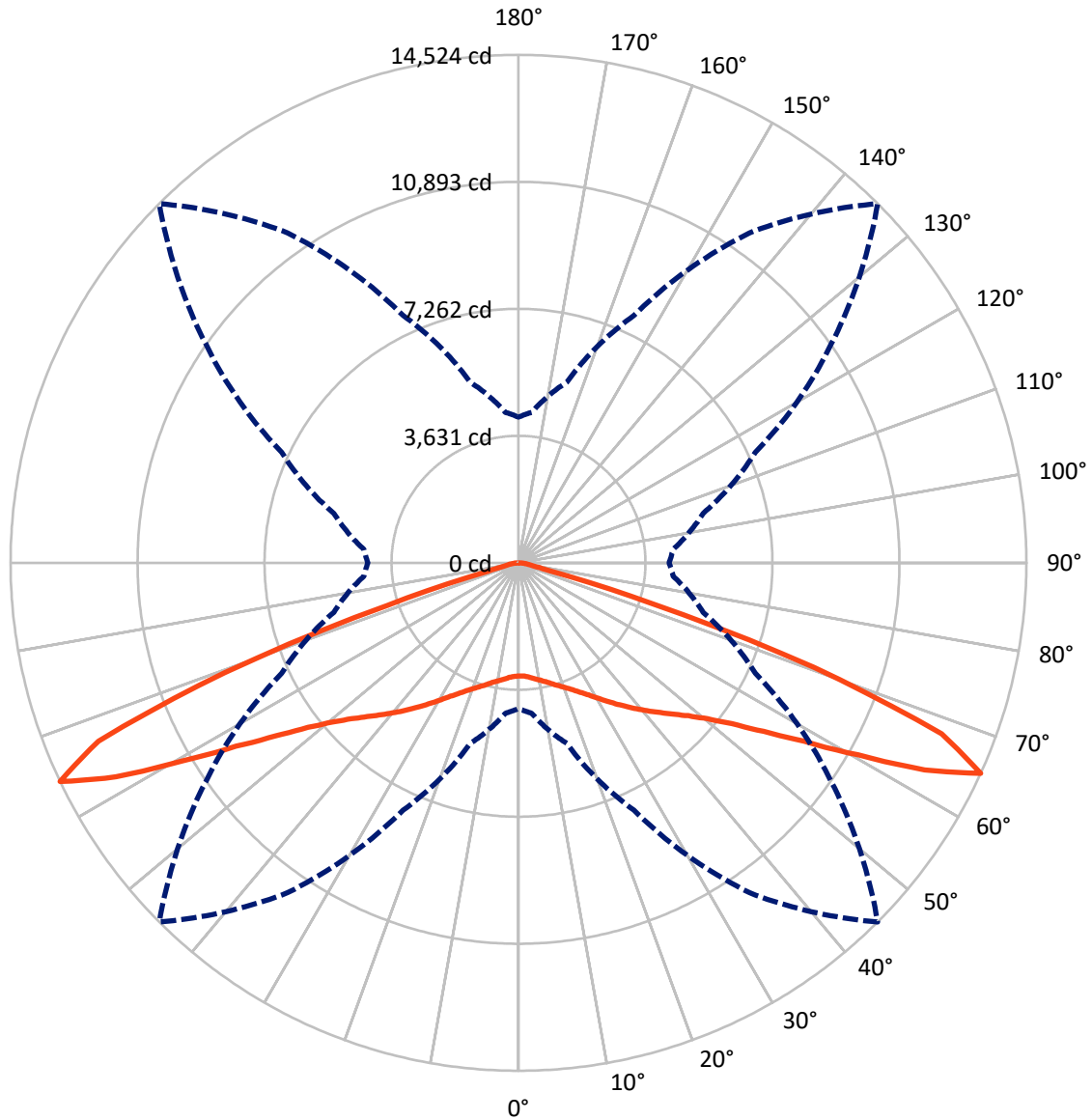
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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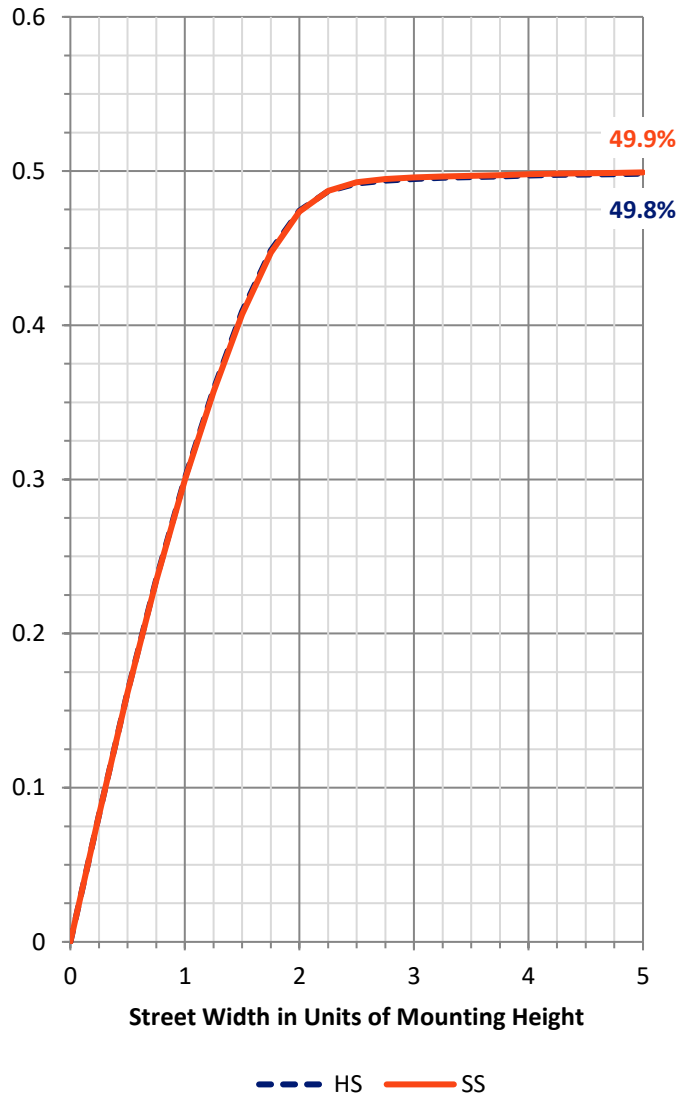
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13401.5	0.0	13401.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13401.5	0.0	13401.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26803.0	0.0	26803.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.6	1.2
10°-20°	1020.8	3.8
20°-30°	1915.2	7.1
30°-40°	3167.3	11.8
40°-50°	4905.7	18.3
50°-60°	7523.9	28.1
60°-70°	7020.7	26.2
70°-80°	817.1	3.0
80°-90°	114.8	0.4
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°	26803.0	100.0
0°-180°	26803.0	100.0

**Coefficient of Utilization**



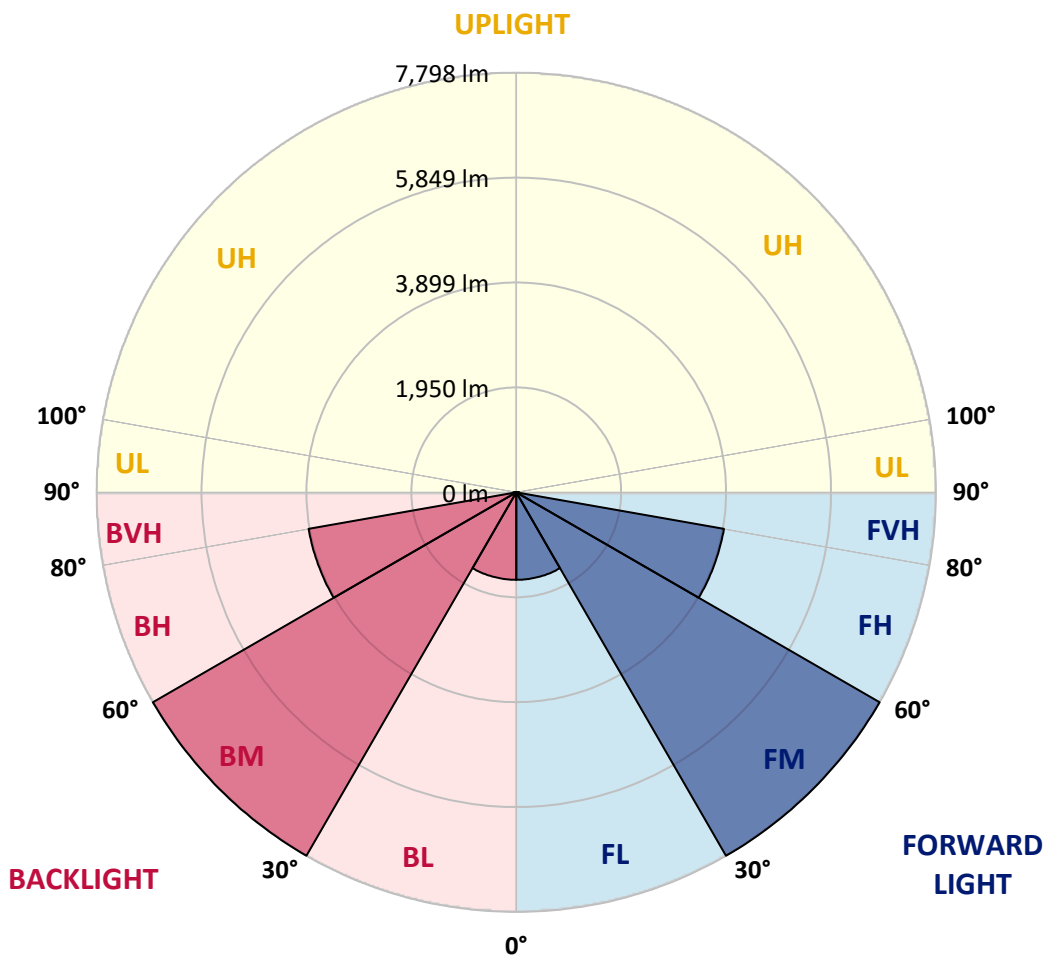
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1626.7	6.1			
FM (30°-60°)	7798.5	29.1			
FH (60°-80°)	3918.9	14.6			G2/5000
FVH (80°-90°)	57.4	0.2			G1/100
BL (0°-30°)	1626.7	6.1	B3/2500		
BM (30°-60°)	7798.5	29.1	B4/8500		
BH (60°-80°)	3918.9	14.6	B4/5000		G2/5000
BVH (80°-90°)	57.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8	3236.8
2.5°	3247.5	3245.7	3247.5	3248.4	3243.0	3245.7	3244.8	3249.3	3251.0	3249.3	3249.3
5°	3284.8	3282.2	3285.7	3290.2	3283.1	3284.8	3282.2	3287.5	3289.3	3285.7	3288.4
7.5°	3336.5	3337.3	3340.9	3348.9	3344.5	3348.0	3342.7	3343.6	3342.7	3337.3	3338.2
10°	3392.5	3393.4	3399.6	3410.3	3412.1	3412.1	3408.5	3405.8	3402.3	3398.7	3399.6
12.5°	3460.1	3464.6	3469.0	3482.4	3482.4	3489.5	3487.7	3480.6	3474.4	3469.0	3469.0
15°	3551.8	3550.9	3556.2	3569.6	3575.8	3587.4	3587.4	3577.6	3569.6	3564.2	3562.4
17.5°	3647.9	3650.5	3654.1	3670.1	3679.9	3693.2	3695.0	3687.0	3681.7	3674.5	3670.1
20°	3760.0	3764.4	3778.6	3784.9	3793.8	3806.2	3810.7	3808.9	3803.6	3800.0	3800.9
22.5°	3890.7	3902.3	3911.2	3920.1	3930.8	3939.7	3944.1	3950.4	3945.0	3942.3	3940.6
25°	4049.1	4057.1	4074.9	4090.9	4098.1	4100.7	4106.1	4115.0	4114.1	4107.8	4107.8
27.5°	4228.8	4244.0	4266.2	4289.3	4289.3	4280.4	4298.2	4313.4	4308.0	4300.0	4289.3
30°	4446.8	4461.1	4486.9	4518.9	4502.9	4496.6	4520.7	4548.2	4540.2	4526.9	4525.1
32.5°	4681.7	4695.1	4728.9	4763.6	4743.1	4734.2	4760.0	4800.0	4785.8	4759.1	4743.1
35°	4936.2	4949.5	4997.6	5039.4	5004.7	4989.6	5010.9	5054.5	5029.6	4979.8	4967.3
37.5°	5212.9	5220.0	5282.3	5325.0	5301.0	5260.9	5287.6	5319.6	5298.3	5237.8	5213.8
40°	5500.2	5526.1	5598.1	5647.9	5606.1	5543.0	5587.4	5631.9	5599.9	5522.5	5481.6
42.5°	5835.7	5855.2	5951.3	5995.8	5928.2	5839.2	5899.7	5960.2	5928.2	5853.5	5817.9
45°	6184.4	6214.7	6329.5	6374.0	6276.1	6163.1	6236.9	6342.8	6340.1	6232.5	6195.1
47.5°	6564.4	6594.6	6731.6	6790.3	6684.5	6533.2	6637.3	6786.8	6776.1	6657.8	6627.5
50°	7003.0	7035.0	7205.8	7279.7	7180.9	7004.8	7161.4	7293.0	7273.5	7127.5	7130.2
52.5°	7553.7	7551.9	7764.6	7892.7	7791.3	7635.6	7779.7	7907.8	7826.9	7624.9	7618.7
55°	8036.0	8065.3	8328.7	8571.6	8565.3	8505.7	8563.6	8568.9	8337.6	8068.9	8036.0
57.5°	8352.7	8408.7	8779.8	9219.3	9548.5	9627.7	9515.6	9175.7	8633.8	8204.1	8151.6
60°	8157.8	8243.3	8826.0	9722.0	10691.8	11157.1	10524.5	9470.2	8403.4	7804.6	7733.4
62.5°	6842.8	6987.0	7840.2	9479.1	11675.8	13036.2	11255.8	8997.7	7487.0	6662.2	6540.3
65°	4167.4	4319.6	5348.1	7802.0	11516.5	14523.8	10922.2	7468.3	5464.7	4438.8	4307.1
67.5°	1388.9	1433.3	2039.2	4312.5	9051.1	13049.5	9066.2	4470.8	2378.2	1576.6	1530.3
70°	543.6	548.1	646.8	1250.1	4274.2	8963.0	4716.4	1272.3	676.2	534.7	546.3
72.5°	399.5	401.3	428.8	522.3	1113.9	3948.6	1154.0	524.9	417.3	374.6	374.6
75°	321.2	321.2	340.8	380.8	499.1	905.7	506.3	376.4	326.5	298.9	295.4
77.5°	253.6	258.9	274.0	299.8	338.1	436.0	350.5	298.1	263.4	237.6	232.2
80°	188.6	194.0	218.9	231.3	242.9	302.5	258.9	233.1	208.2	177.9	172.6
82.5°	123.7	129.0	160.1	167.3	164.6	197.5	174.4	171.7	153.0	114.8	109.4
85°	81.0	82.7	106.8	111.2	102.3	89.9	111.2	117.4	106.8	74.7	72.1
87.5°	38.3	38.3	54.3	50.7	46.3	37.4	50.7	59.6	60.5	36.5	35.6
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)