

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: P316788

Luminaire Tested: **GAN-SA4A-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316788
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-SA4A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19392 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

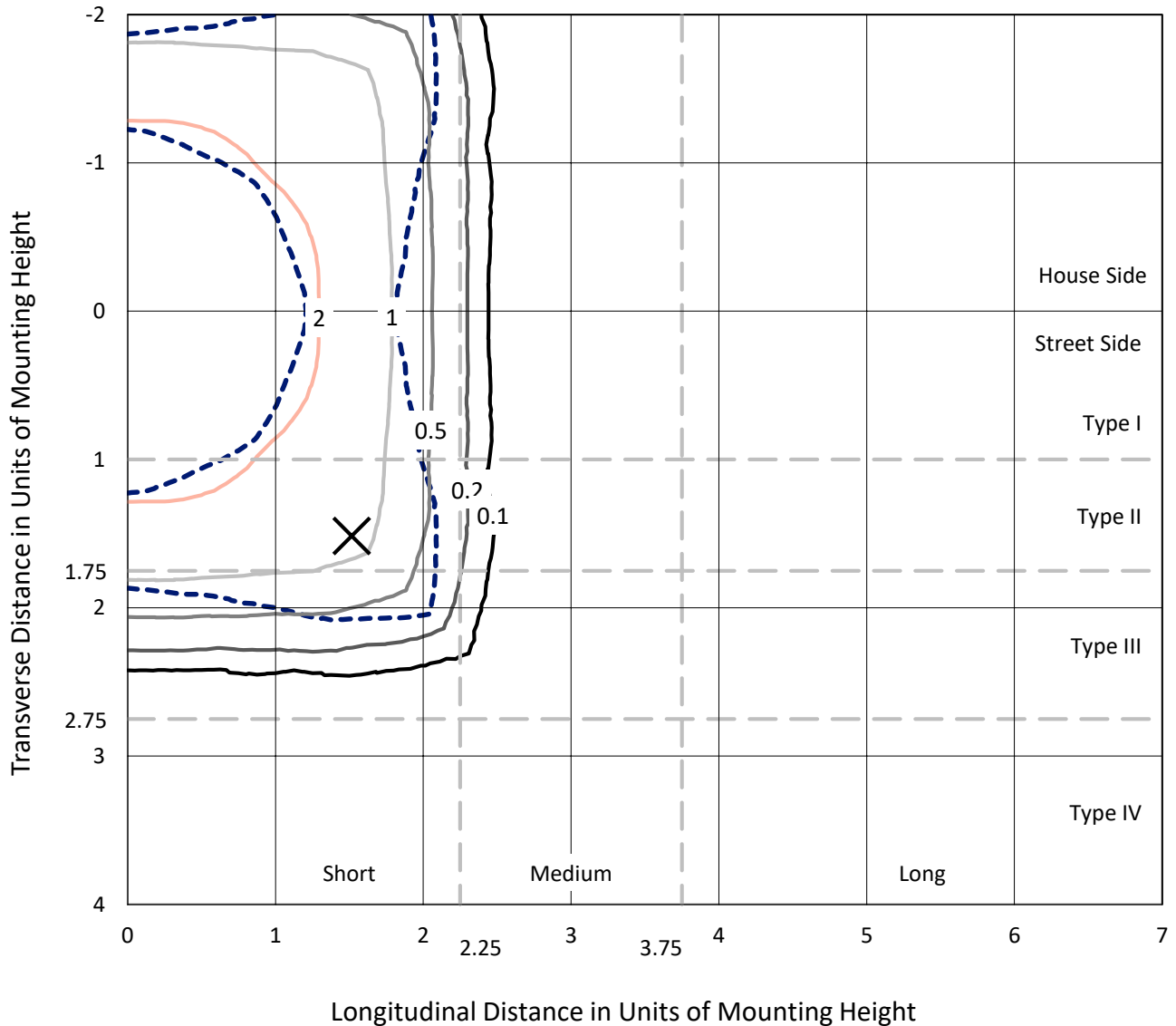
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GAN-SA4A-740-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

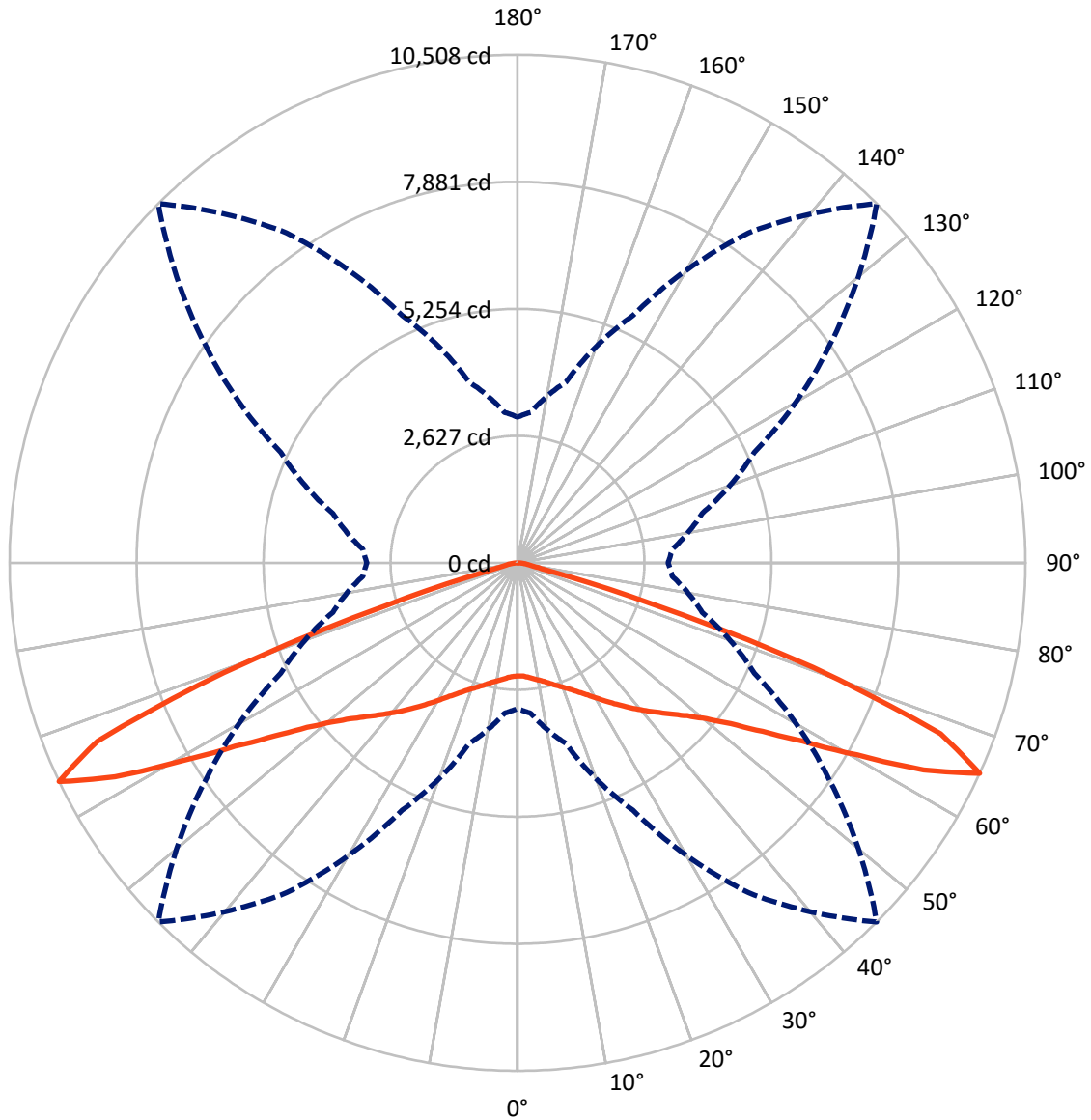
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

REPORT NUMBER: P316788
CATALOG NUMBER: GAN-SA4A-740-U-5NQ

Luminous Intensity Polar Plot



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

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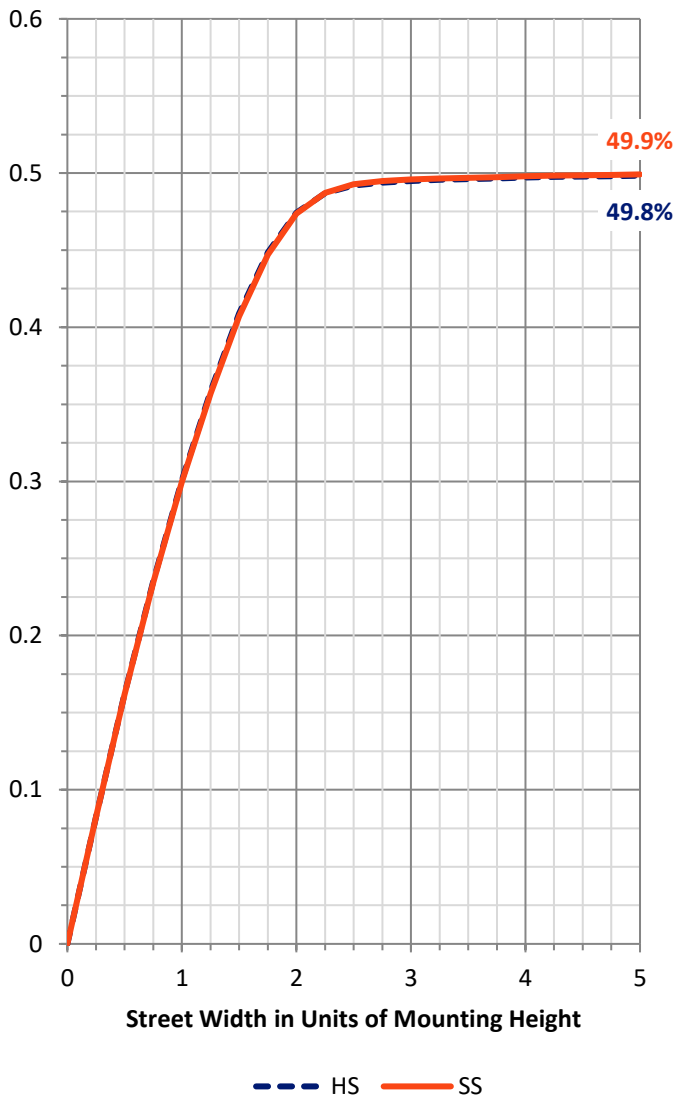
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9696.0	0.0	9696.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9696.0	0.0	9696.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19392.0	0.0	19392.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.8	1.2
10°-20°	738.5	3.8
20°-30°	1385.6	7.1
30°-40°	2291.5	11.8
40°-50°	3549.3	18.3
50°-60°	5443.6	28.1
60°-70°	5079.5	26.2
70°-80°	591.2	3.0
80°-90°	83.1	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°	19392.0	100.0
0°-180°	19392.0	100.0



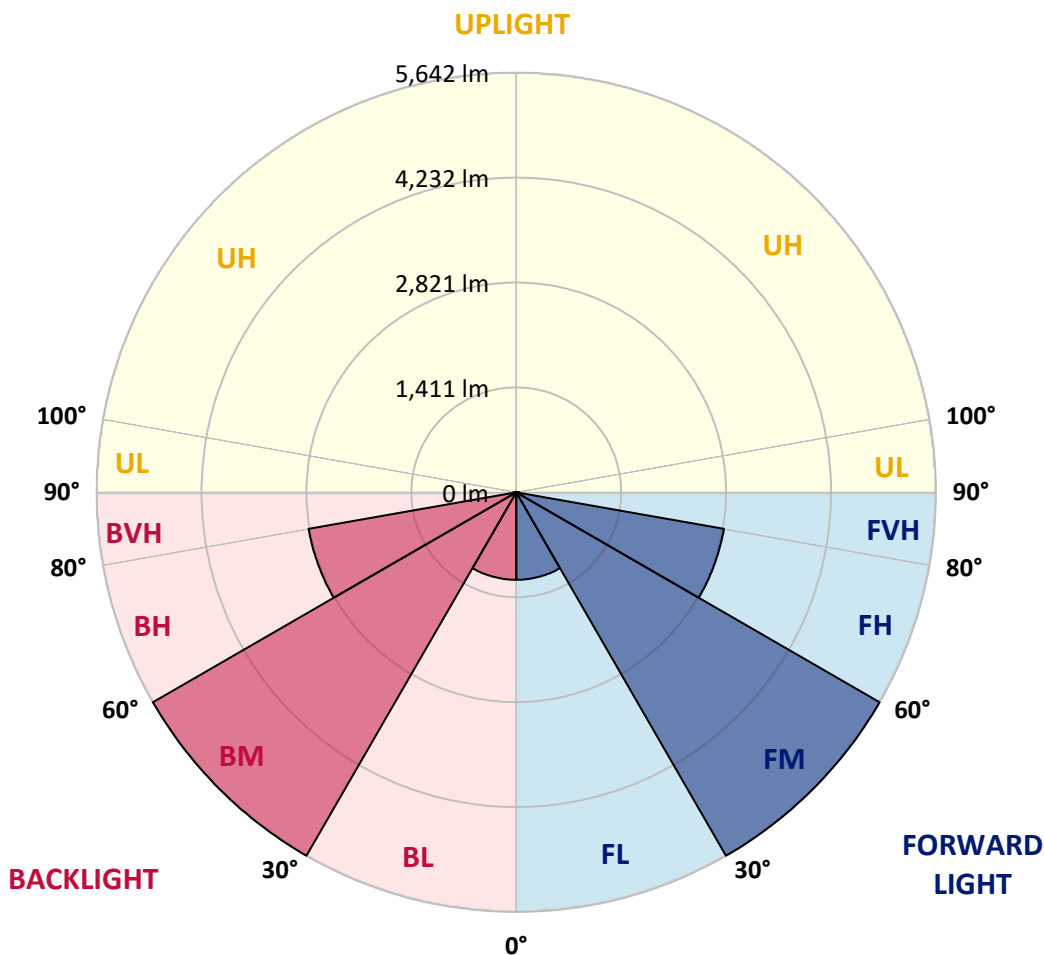
REPORT NUMBER: P316788
 CATALOG NUMBER: GAN-SA4A-740-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1176.9	6.1			
FM (30°-60°)	5642.2	29.1			
FH (60°-80°)	2835.3	14.6			G2/5000
FVH (80°-90°)	41.5	0.2			G1/100
BL (0°-30°)	1176.9	6.1	B3/2500		
BM (30°-60°)	5642.2	29.1	B4/8500		
BH (60°-80°)	2835.3	14.6	B4/5000		G2/5000
BVH (80°-90°)	41.5	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°	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8	2341.8
2.5°	2349.6	2348.3	2349.6	2350.2	2346.3	2348.3	2347.6	2350.8	2352.1	2350.8	2350.8
5°	2376.6	2374.7	2377.2	2380.5	2375.3	2376.6	2374.7	2378.5	2379.8	2377.2	2379.2
7.5°	2413.9	2414.6	2417.1	2422.9	2419.7	2422.3	2418.4	2419.1	2418.4	2414.6	2415.2
10°	2454.5	2455.1	2459.6	2467.4	2468.6	2468.6	2466.1	2464.1	2461.6	2459.0	2459.6
12.5°	2503.4	2506.6	2509.8	2519.5	2519.5	2524.6	2523.4	2518.2	2513.7	2509.8	2509.8
15°	2569.7	2569.1	2572.9	2582.6	2587.1	2595.5	2595.5	2588.4	2582.6	2578.7	2577.4
17.5°	2639.2	2641.2	2643.7	2655.3	2662.4	2672.1	2673.3	2667.5	2663.7	2658.5	2655.3
20°	2720.3	2723.6	2733.9	2738.4	2744.8	2753.8	2757.0	2755.7	2751.9	2749.3	2749.9
22.5°	2815.0	2823.3	2829.8	2836.2	2843.9	2850.4	2853.6	2858.1	2854.2	2852.3	2851.0
25°	2929.5	2935.3	2948.2	2959.8	2964.9	2966.9	2970.7	2977.2	2976.5	2972.0	2972.0
27.5°	3059.6	3070.5	3086.6	3103.3	3103.3	3096.9	3109.8	3120.7	3116.9	3111.1	3103.3
30°	3217.3	3227.6	3246.2	3269.4	3257.8	3253.3	3270.7	3290.7	3284.9	3275.2	3273.9
32.5°	3387.2	3396.9	3421.3	3446.4	3431.6	3425.2	3443.9	3472.8	3462.5	3443.2	3431.6
35°	3571.3	3581.0	3615.7	3646.0	3620.9	3609.9	3625.4	3656.9	3638.9	3602.9	3593.9
37.5°	3771.5	3776.7	3821.7	3852.6	3835.2	3806.3	3825.6	3848.8	3833.3	3789.5	3772.2
40°	3979.4	3998.1	4050.2	4086.3	4056.0	4010.3	4042.5	4074.7	4051.5	3995.5	3965.9
42.5°	4222.1	4236.3	4305.8	4338.0	4289.1	4224.7	4268.5	4312.2	4289.1	4235.0	4209.2
45°	4474.5	4496.3	4579.4	4611.6	4540.8	4459.0	4512.4	4589.0	4587.1	4509.2	4482.2
47.5°	4749.3	4771.2	4870.3	4912.8	4836.2	4726.8	4802.1	4910.2	4902.5	4816.9	4795.0
50°	5066.7	5089.8	5213.4	5266.9	5195.4	5068.0	5181.2	5276.5	5262.4	5156.8	5158.7
52.5°	5465.1	5463.8	5617.7	5710.4	5637.0	5524.3	5628.6	5721.3	5662.7	5516.6	5512.1
55°	5814.0	5835.3	6025.8	6201.5	6197.0	6153.9	6195.7	6199.6	6032.2	5837.8	5814.0
57.5°	6043.2	6083.7	6352.2	6670.2	6908.3	6965.6	6884.5	6638.6	6246.6	5935.7	5897.7
60°	5902.2	5964.0	6385.6	7033.9	7735.5	8072.2	7614.5	6851.7	6079.9	5646.7	5595.2
62.5°	4950.8	5055.1	5672.4	6858.1	8447.5	9431.7	8143.6	6509.9	5416.8	4820.1	4731.9
65°	3015.2	3125.2	3869.4	5644.7	8332.2	10508.0	7902.2	5403.3	3953.7	3211.5	3116.2
67.5°	1004.8	1037.0	1475.4	3120.1	6548.5	9441.3	6559.4	3234.7	1720.6	1140.7	1107.2
70°	393.3	396.5	468.0	904.4	3092.4	6484.8	3412.3	920.5	489.2	386.9	395.2
72.5°	289.0	290.3	310.3	377.9	805.9	2856.8	834.9	379.8	301.9	271.0	271.0
75°	232.4	232.4	246.5	275.5	361.1	655.3	366.3	272.3	236.2	216.3	213.7
77.5°	183.5	187.3	198.3	216.9	244.6	315.4	253.6	215.6	190.5	171.9	168.0
80°	136.5	140.3	158.4	167.4	175.7	218.9	187.3	168.7	150.6	128.7	124.9
82.5°	89.5	93.3	115.9	121.0	119.1	142.9	126.2	124.2	110.7	83.0	79.2
85°	58.6	59.9	77.2	80.5	74.0	65.0	80.5	85.0	77.2	54.1	52.1
87.5°	27.7	27.7	39.3	36.7	33.5	27.0	36.7	43.1	43.8	26.4	25.7
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)