

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: P383047

Luminaire Tested: **GAN-SA4A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383047
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-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 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: 18064.5 lumens
Efficiency: N/A
Efficacy: 140.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

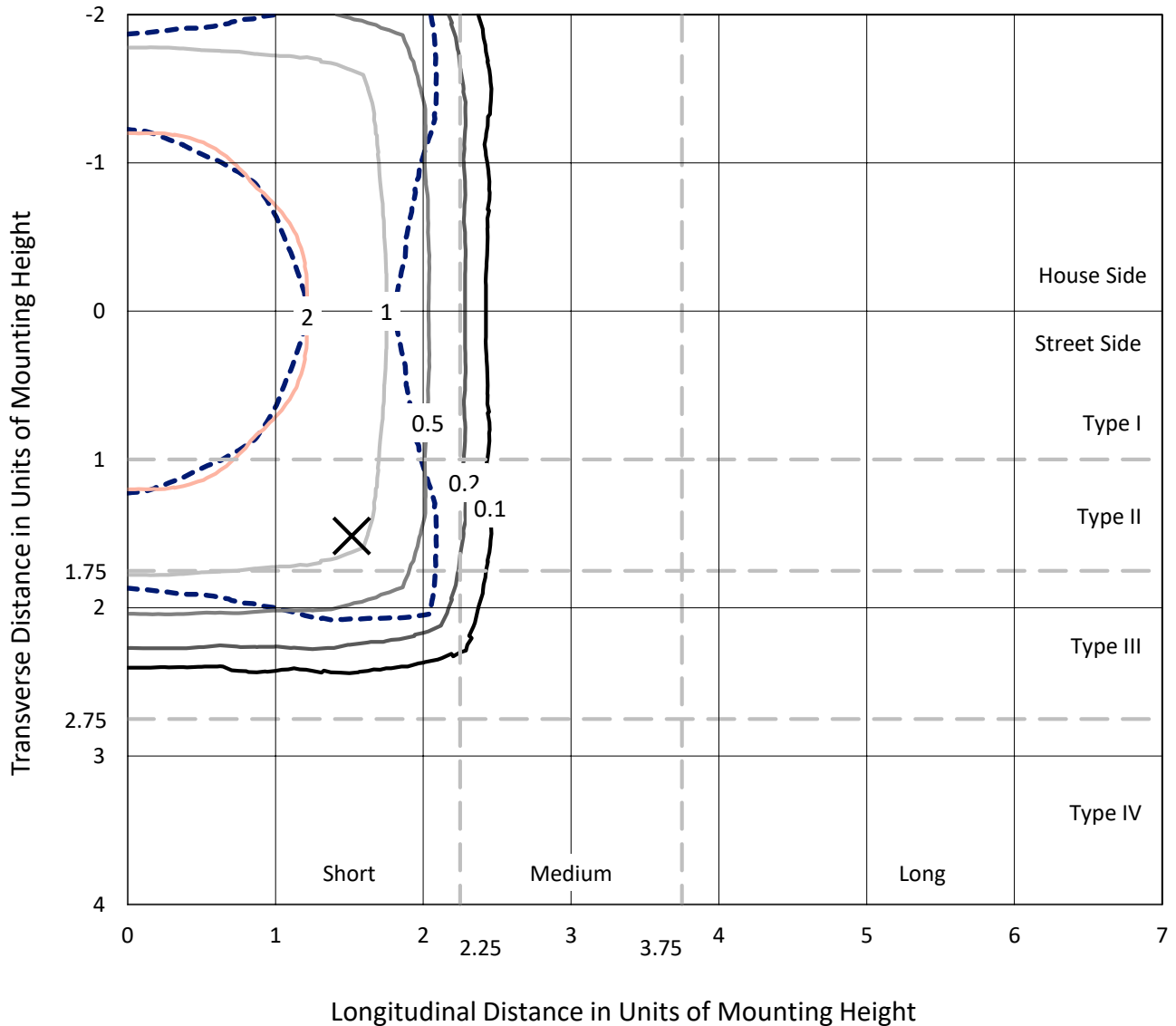
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

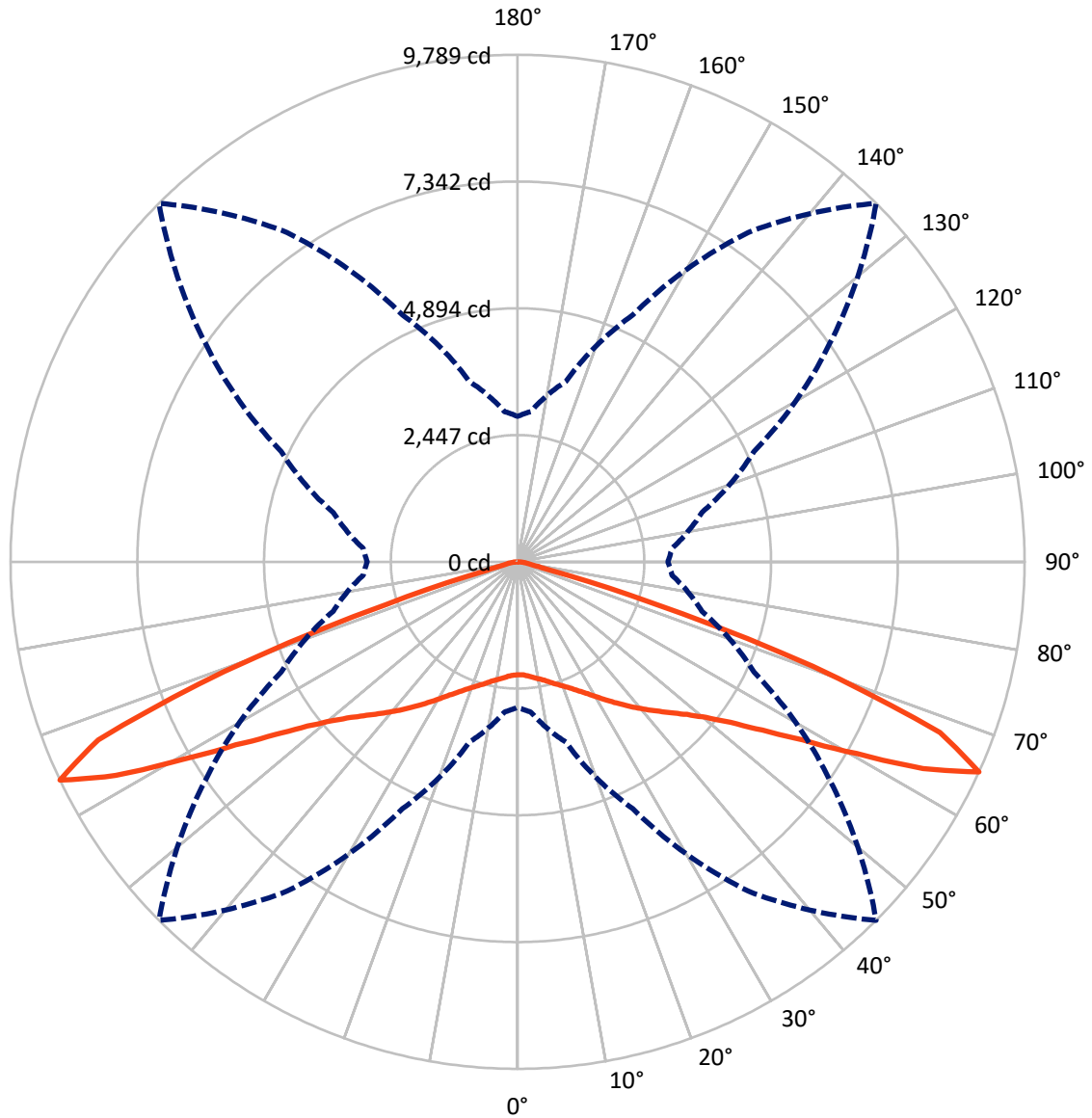
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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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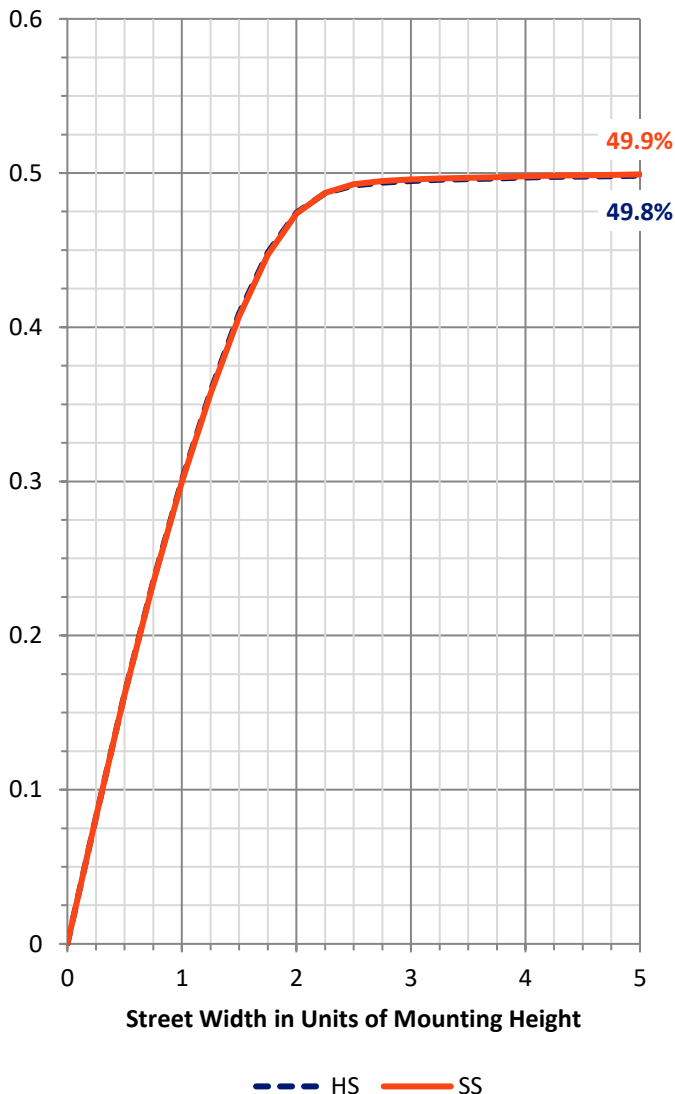
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9032.3	0.0	9032.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9032.3	0.0	9032.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	18064.5	0.0	18064.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	1.2
10°-20°	688.0	3.8
20°-30°	1290.8	7.1
30°-40°	2134.7	11.8
40°-50°	3306.3	18.3
50°-60°	5071.0	28.1
60°-70°	4731.8	26.2
70°-80°	550.7	3.0
80°-90°	77.4	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°	18064.5	100.0
0°-180°	18064.5	100.0

Coefficient of Utilization



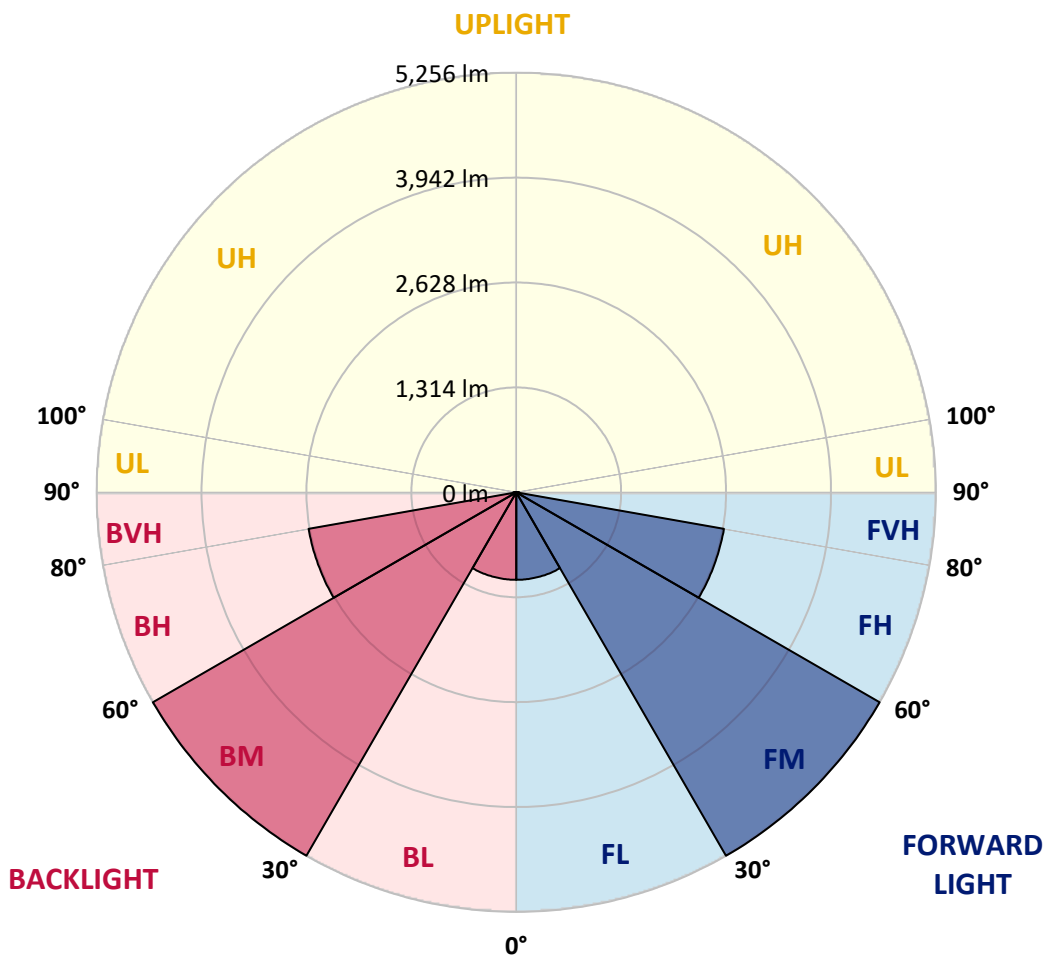
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.4	6.1			
FM (30°-60°)	5256.0	29.1			
FH (60°-80°)	2641.2	14.6			G2/5000
FVH (80°-90°)	38.7	0.2			G1/100
BL (0°-30°)	1096.4	6.1	B3/2500		
BM (30°-60°)	5256.0	29.1	B4/8500		
BH (60°-80°)	2641.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	38.7	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°	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5	2181.5
2.5°	2188.8	2187.6	2188.8	2189.3	2185.7	2187.6	2186.9	2189.9	2191.1	2189.9	2189.9
5°	2213.9	2212.1	2214.5	2217.5	2212.7	2213.9	2212.1	2215.7	2216.9	2214.5	2216.3
7.5°	2248.7	2249.3	2251.6	2257.0	2254.1	2256.5	2252.9	2253.5	2252.9	2249.3	2249.9
10°	2286.5	2287.0	2291.2	2298.5	2299.6	2299.6	2297.3	2295.4	2293.1	2290.7	2291.2
12.5°	2332.0	2335.0	2338.0	2347.0	2347.0	2351.8	2350.7	2345.8	2341.6	2338.0	2338.0
15°	2393.8	2393.2	2396.8	2405.8	2410.0	2417.8	2417.8	2411.2	2405.8	2402.2	2401.0
17.5°	2458.5	2460.4	2462.7	2473.5	2480.2	2489.2	2490.3	2484.9	2481.4	2476.5	2473.5
20°	2534.1	2537.2	2546.8	2550.9	2556.9	2565.3	2568.3	2567.1	2563.5	2561.1	2561.7
22.5°	2622.3	2630.0	2636.1	2642.1	2649.2	2655.3	2658.3	2662.5	2658.8	2657.1	2655.8
25°	2729.0	2734.4	2746.4	2757.2	2761.9	2763.8	2767.3	2773.4	2772.8	2768.6	2768.6
27.5°	2850.2	2860.3	2875.3	2890.9	2890.9	2884.9	2896.9	2907.1	2903.5	2898.1	2890.9
30°	2997.1	3006.7	3024.0	3045.6	3034.8	3030.6	3046.8	3065.4	3060.0	3051.0	3049.8
32.5°	3155.3	3164.4	3187.1	3210.5	3196.7	3190.7	3208.2	3235.1	3225.5	3207.5	3196.7
35°	3326.8	3335.9	3368.2	3396.4	3373.0	3362.8	3377.2	3406.6	3389.8	3356.3	3347.9
37.5°	3513.3	3518.2	3560.1	3588.9	3572.7	3545.7	3563.7	3585.3	3570.9	3530.1	3514.0
40°	3707.0	3724.4	3773.0	3806.6	3778.4	3735.8	3765.8	3795.8	3774.2	3722.0	3694.4
42.5°	3933.1	3946.3	4011.1	4041.1	3995.5	3935.5	3976.3	4017.0	3995.5	3945.1	3921.1
45°	4168.2	4188.5	4265.9	4295.9	4230.0	4153.8	4203.5	4274.9	4273.1	4200.5	4175.4
47.5°	4424.2	4444.6	4536.9	4576.5	4505.2	4403.2	4473.4	4574.1	4566.9	4487.2	4466.8
50°	4719.9	4741.4	4856.5	4906.4	4839.8	4721.1	4826.5	4915.3	4902.2	4803.8	4805.6
52.5°	5091.0	5089.8	5233.2	5319.5	5251.1	5146.1	5243.3	5329.7	5275.1	5139.0	5134.8
55°	5416.0	5435.9	5613.3	5777.0	5772.8	5732.7	5771.6	5775.2	5619.3	5438.2	5416.0
57.5°	5629.5	5667.3	5917.4	6213.6	6435.4	6488.8	6413.2	6184.2	5819.0	5529.4	5494.0
60°	5498.2	5555.7	5948.5	6552.4	7206.0	7519.6	7093.3	6382.7	5663.7	5260.2	5212.2
62.5°	4611.9	4709.1	5284.1	6388.6	7869.2	8786.1	7586.2	6064.3	5046.0	4490.2	4408.0
65°	2808.8	2911.3	3604.5	5258.3	7761.8	9788.7	7361.3	5033.4	3683.1	2991.7	2902.9
67.5°	936.0	966.0	1374.4	2906.5	6100.2	8795.0	6110.4	3013.3	1602.8	1062.6	1031.4
70°	366.4	369.4	436.0	842.5	2880.7	6040.9	3178.7	857.5	455.7	360.4	368.1
72.5°	269.2	270.4	289.1	352.0	750.7	2661.2	777.7	353.8	281.2	252.4	252.4
75°	216.5	216.5	229.6	256.6	336.4	610.4	341.2	253.7	220.0	201.5	199.1
77.5°	170.9	174.5	184.7	202.1	227.9	293.8	236.2	200.8	177.5	160.1	156.5
80°	127.2	130.7	147.6	155.9	163.7	203.9	174.5	157.2	140.3	119.9	116.4
82.5°	83.4	86.9	108.0	112.7	110.9	133.1	117.6	115.7	103.1	77.3	73.8
85°	54.6	55.8	71.9	75.0	68.9	60.6	75.0	79.2	71.9	50.4	48.5
87.5°	25.8	25.8	36.6	34.2	31.2	25.2	34.2	40.1	40.8	24.6	23.9
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)