

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: P529836

Luminaire Tested: **GLAN-SA5A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA5A-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19216 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

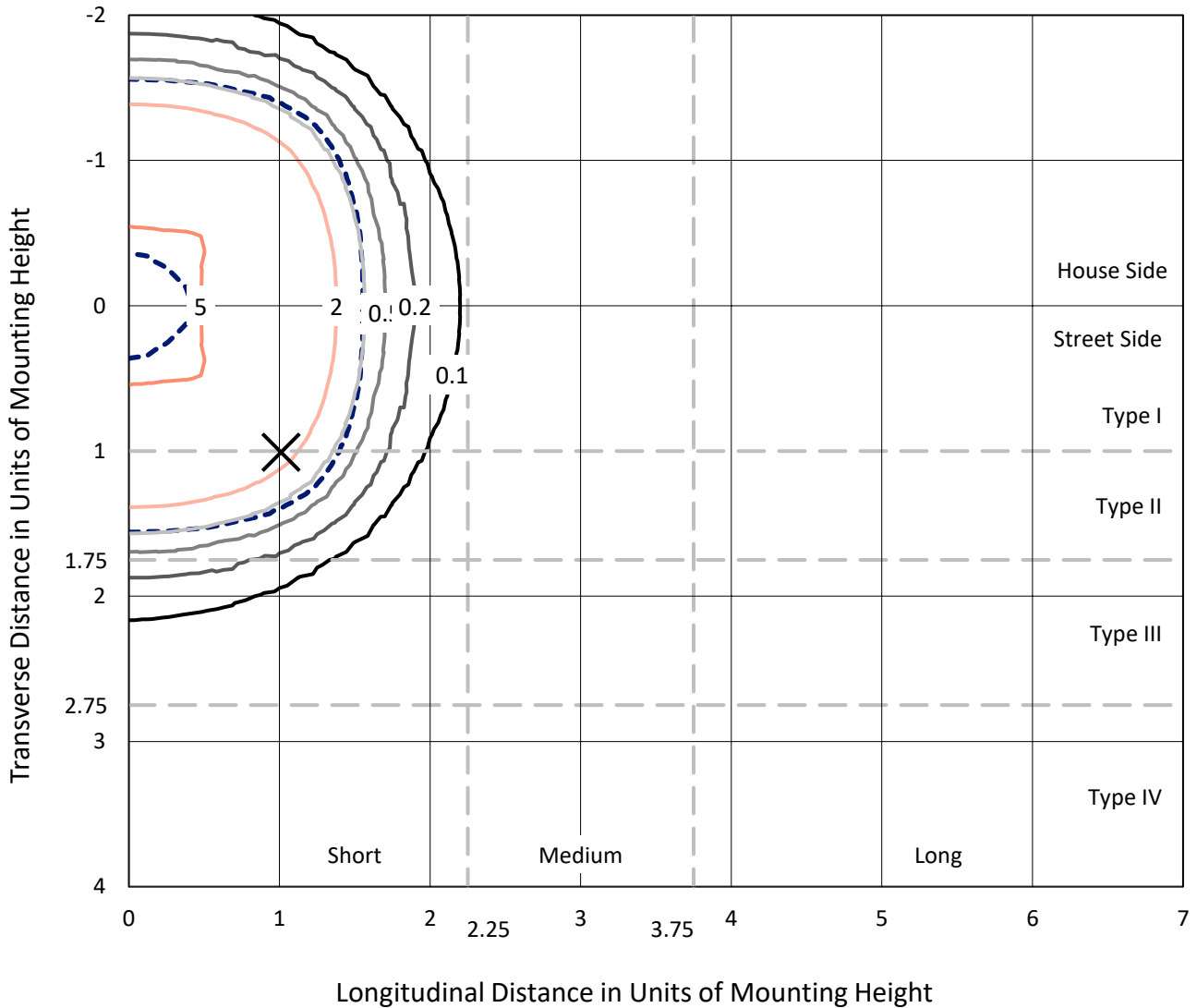
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

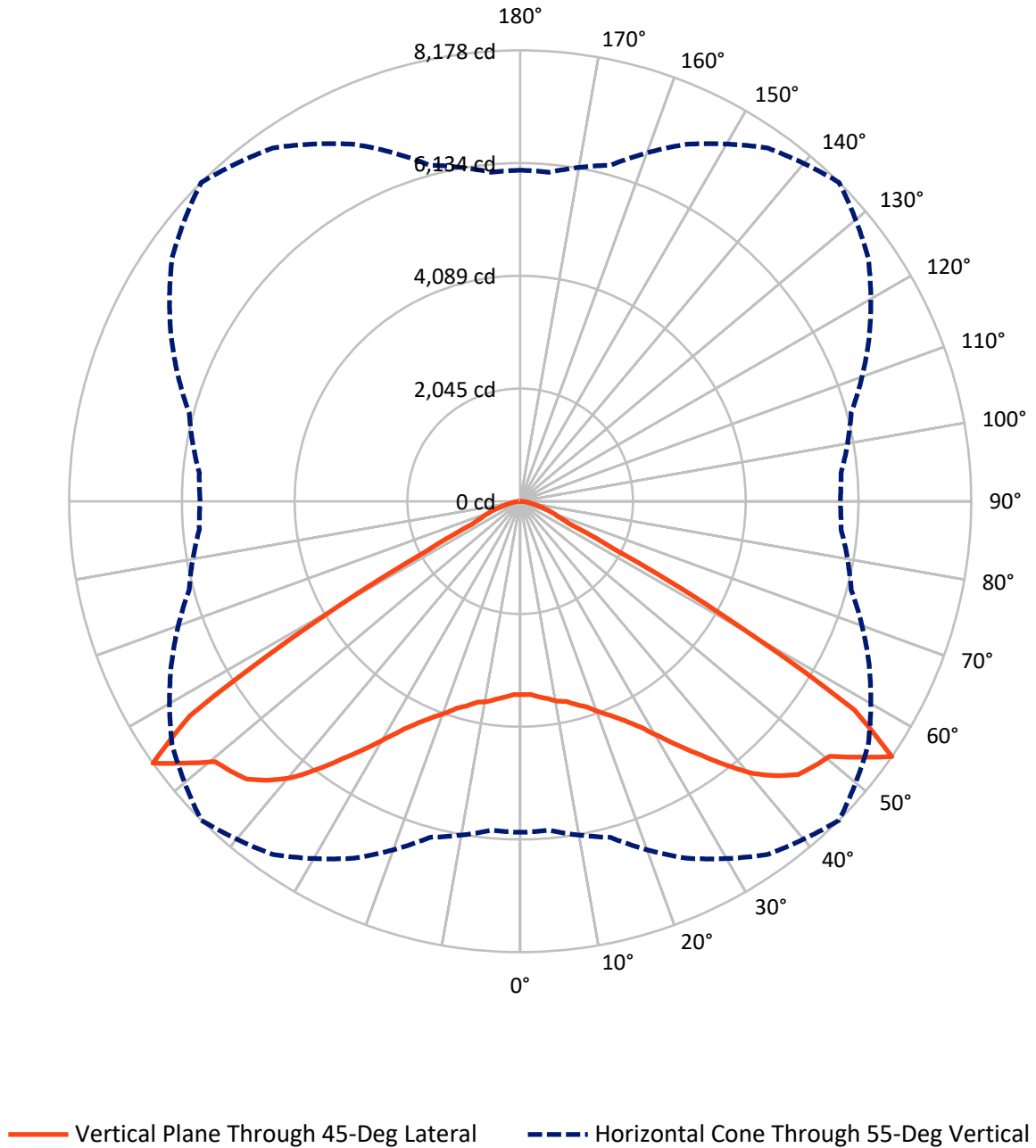
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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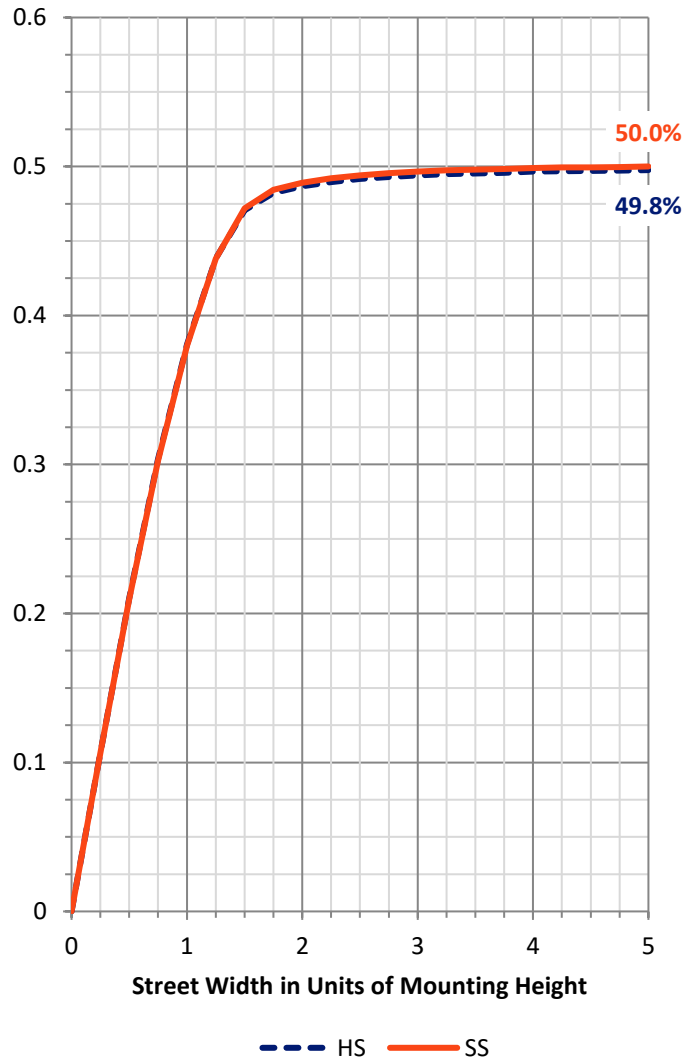
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9608.0	0.0	9608.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9608.0	0.0	9608.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19216.0	0.0	19216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.8	1.8
10°-20°	1086.0	5.7
20°-30°	2025.1	10.5
30°-40°	3390.6	17.6
40°-50°	5276.1	27.5
50°-60°	5478.2	28.5
60°-70°	1161.8	6.0
70°-80°	382.6	2.0
80°-90°	72.9	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°	19216.0	100.0
0°-180°	19216.0	100.0

Coefficient of Utilization



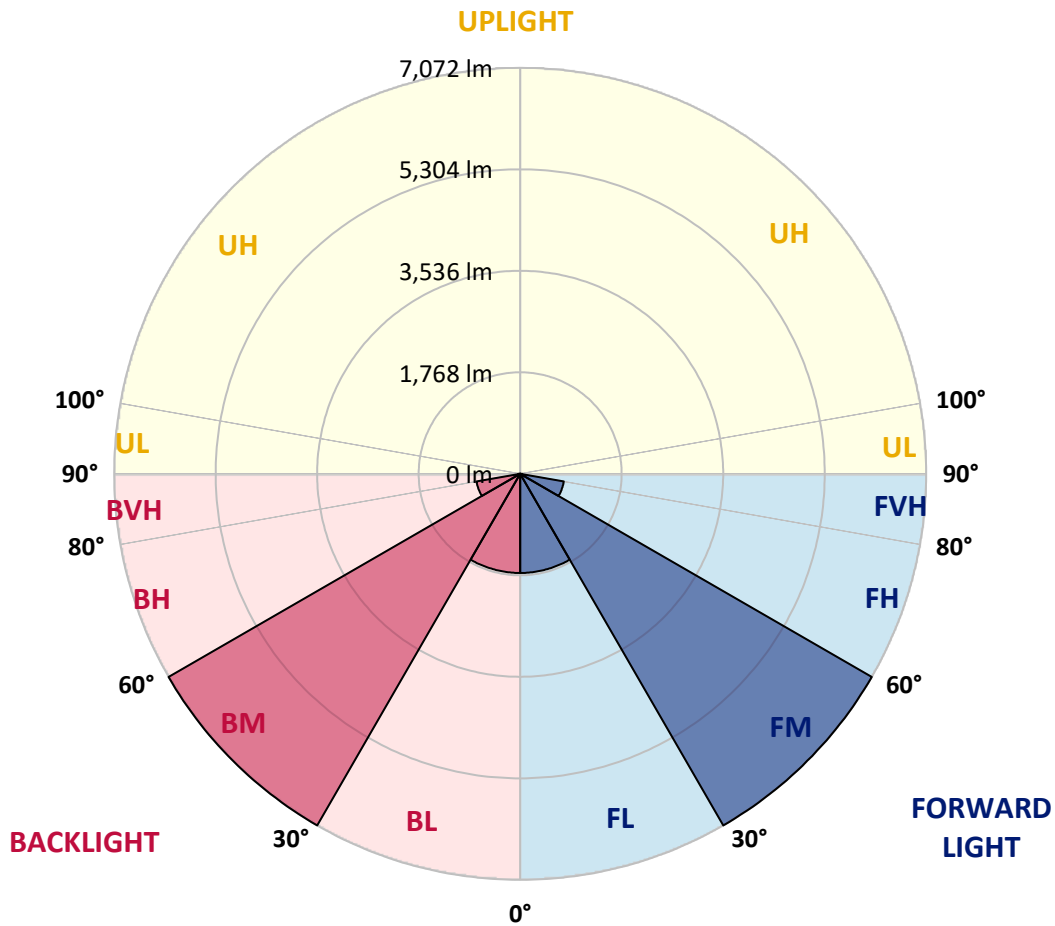
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.9	9.0			
FM (30°-60°)	7072.5	36.8			
FH (60°-80°)	772.2	4.0			G1/1800
FVH (80°-90°)	36.4	0.2			G1/100
BL (0°-30°)	1726.9	9.0	B3/2500		
BM (30°-60°)	7072.5	36.8	B4/8500		
BH (60°-80°)	772.2	4.0	B2/1000		G1/1800
BVH (80°-90°)	36.4	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6	3508.6
2.5°	3550.4	3534.1	3506.2	3527.1	3543.4	3508.6	3522.5	3529.5	3524.8	3506.2	3513.2
5°	3601.4	3592.1	3568.9	3585.2	3564.3	3564.3	3550.4	3531.8	3559.6	3555.0	3566.6
7.5°	3601.4	3589.8	3636.3	3606.1	3615.4	3615.4	3592.1	3573.6	3587.5	3566.6	3555.0
10°	3673.4	3689.7	3668.8	3675.7	3671.1	3687.3	3652.5	3640.9	3629.3	3622.3	3608.4
12.5°	3759.3	3747.7	3754.7	3750.0	3766.3	3724.5	3703.6	3678.1	3699.0	3668.8	3689.7
15°	3829.0	3822.0	3829.0	3847.6	3831.3	3829.0	3791.8	3766.3	3733.8	3740.8	3708.2
17.5°	3924.2	3917.2	3919.6	3935.8	3933.5	3921.9	3894.0	3845.2	3833.6	3815.1	3794.2
20°	4065.8	4054.2	4049.6	4056.5	4068.2	4077.4	4021.7	4003.1	3963.7	3933.5	3898.7
22.5°	4186.6	4181.9	4200.5	4170.3	4195.9	4223.7	4170.3	4161.0	4063.5	4047.3	4010.1
25°	4353.8	4346.8	4335.2	4379.3	4409.5	4407.2	4356.1	4305.0	4230.7	4212.1	4212.1
27.5°	4530.2	4490.8	4551.1	4562.7	4616.2	4632.4	4588.3	4514.0	4444.3	4404.9	4414.1
30°	4750.8	4713.7	4727.6	4811.2	4880.9	4941.2	4829.8	4720.6	4623.1	4553.5	4541.8
32.5°	4971.4	4934.3	4976.1	5057.3	5196.7	5287.2	5178.1	4987.7	4873.9	4771.7	4792.6
35°	5150.2	5178.1	5245.4	5368.5	5512.4	5658.7	5484.6	5338.3	5175.8	5062.0	5078.2
37.5°	5438.1	5524.1	5577.5	5719.1	5923.4	6074.4	5893.3	5702.9	5528.7	5380.1	5329.0
40°	5814.3	5872.4	5932.7	6099.9	6341.4	6492.3	6320.5	6072.1	5900.2	5747.0	5740.0
42.5°	6227.6	6283.4	6346.0	6550.4	6694.4	6808.1	6650.2	6517.9	6327.5	6206.7	6199.8
45°	6708.3	6668.8	6738.5	6873.1	6993.9	7068.2	6966.0	6901.0	6764.0	6652.6	6640.9
47.5°	7028.7	6993.9	7119.3	7240.0	7258.6	7177.3	7198.2	7258.6	7114.6	6931.2	6989.2
50°	7214.5	7214.5	7298.1	7409.5	7374.7	7270.2	7435.1	7439.7	7295.8	7133.2	7133.2
52.5°	6891.7	6963.7	7200.5	7565.1	7681.2	7711.4	7674.2	7516.3	7140.2	6808.1	6791.9
55°	6004.7	5988.5	6308.9	7144.8	7820.5	8178.1	7704.4	6977.6	6213.7	5839.9	5802.7
57.5°	3905.6	3924.2	4402.5	5254.7	6473.8	7140.2	6341.4	5319.7	4402.5	3887.0	3935.8
60°	1757.8	1820.5	2110.7	2746.9	3794.2	4337.5	3803.5	2886.3	2215.2	1922.6	1948.2
62.5°	1010.1	1021.7	1033.3	1226.0	1616.1	1911.0	1678.8	1295.7	1142.4	1091.3	1091.3
65°	852.2	845.2	847.5	863.8	905.6	966.0	940.4	905.6	910.2	905.6	898.6
67.5°	724.5	733.8	726.8	738.4	740.7	750.0	766.3	780.2	782.5	787.2	782.5
70°	594.4	596.8	601.4	610.7	613.0	620.0	643.2	654.8	661.8	661.8	671.1
72.5°	455.1	452.8	457.4	466.7	478.3	480.7	501.6	517.8	527.1	515.5	517.8
75°	299.5	301.9	308.8	315.8	332.0	348.3	355.3	371.5	373.8	378.5	366.9
77.5°	178.8	183.4	190.4	204.3	218.3	232.2	248.5	260.1	264.7	260.1	246.1
80°	116.1	116.1	125.4	137.0	153.3	164.9	174.2	183.4	190.4	183.4	178.8
82.5°	72.0	72.0	83.6	97.5	109.1	116.1	130.0	141.6	148.6	144.0	137.0
85°	37.2	39.5	48.8	60.4	69.7	74.3	72.0	65.0	58.1	55.7	51.1
87.5°	11.6	11.6	13.9	13.9	11.6	11.6	13.9	11.6	13.9	13.9	13.9
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)