

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: McGRAW-EDISON

Report Number: P651935

Luminaire Tested: **GALN-SA6A-840-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19348 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

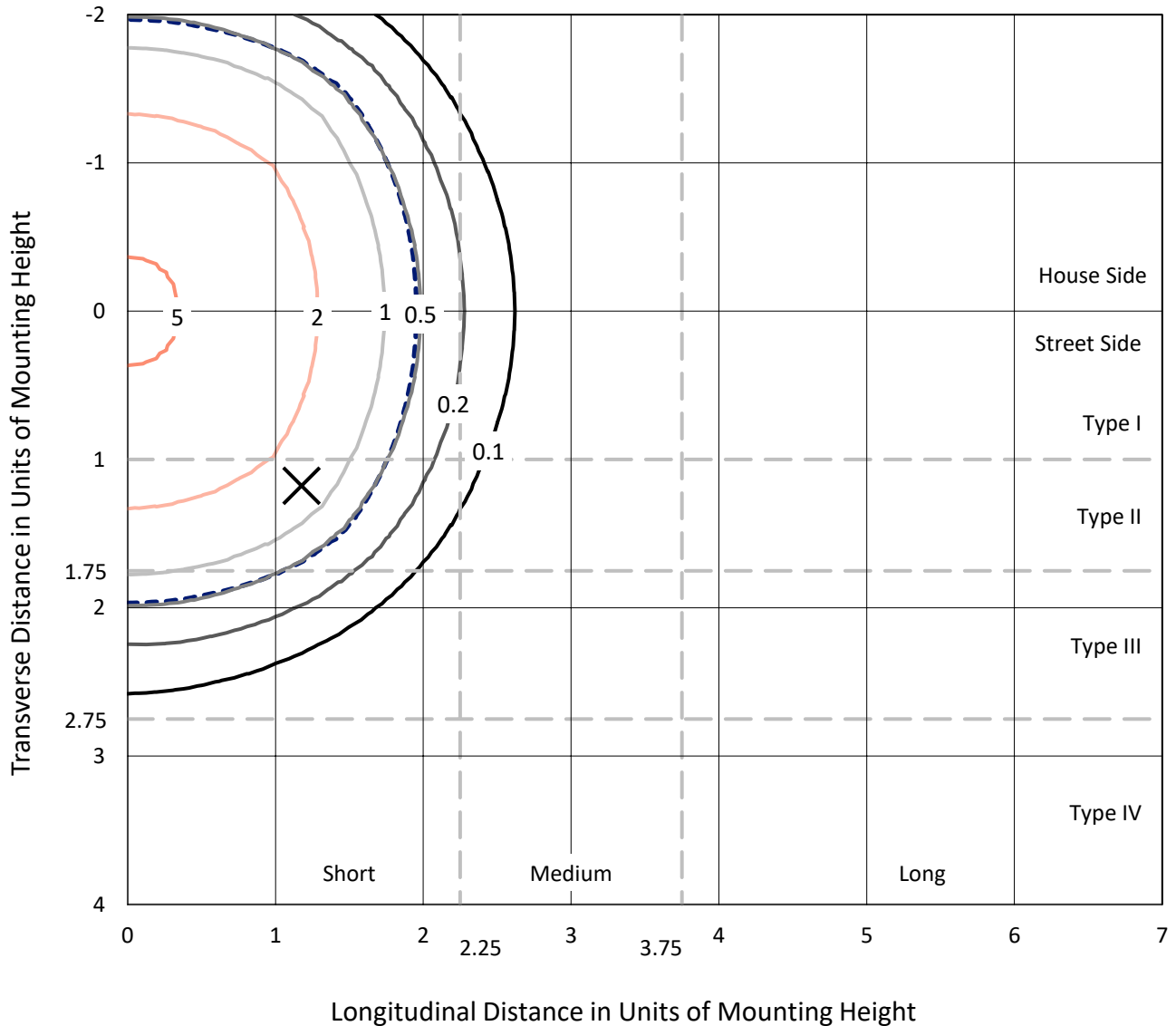
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

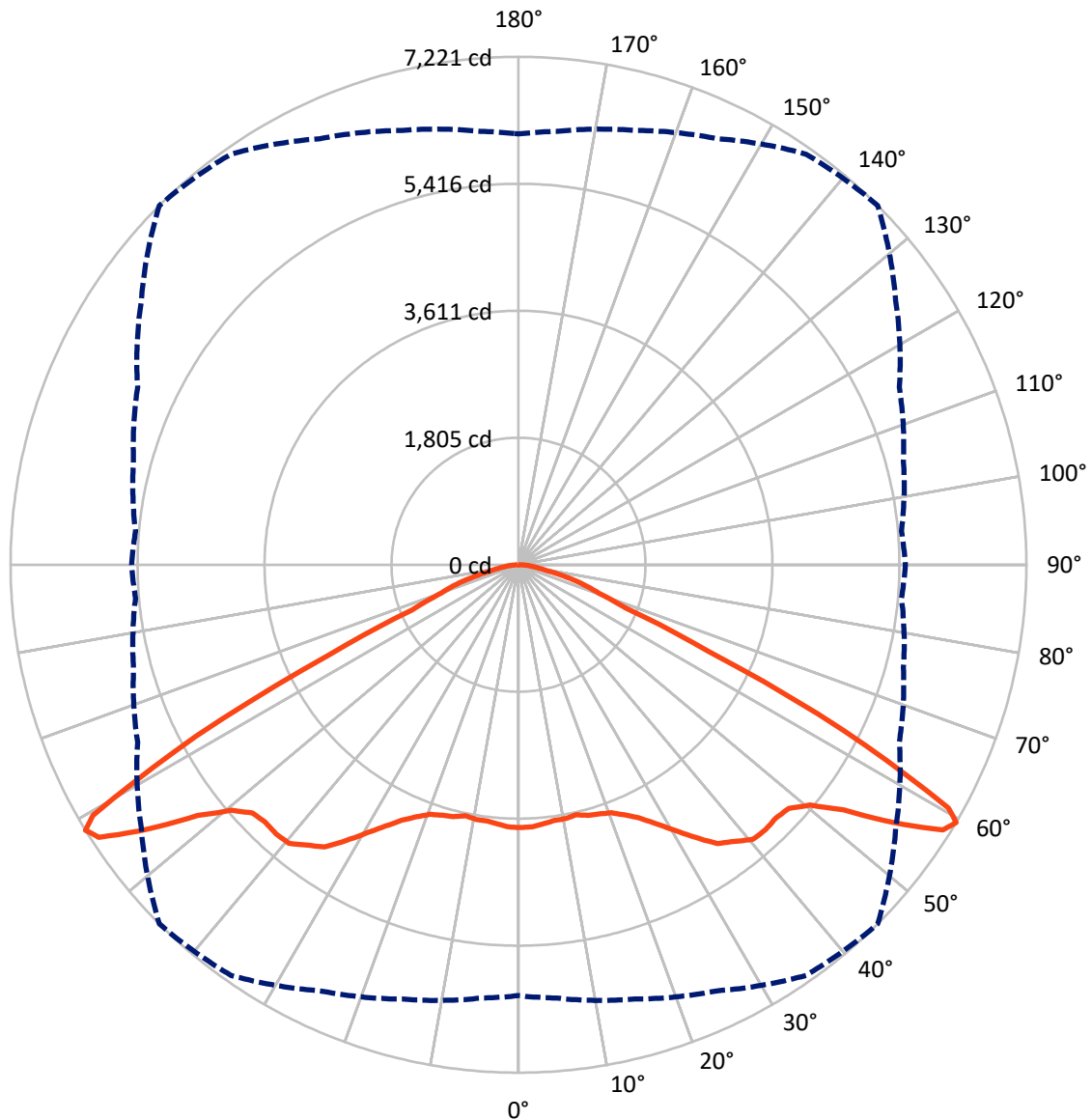
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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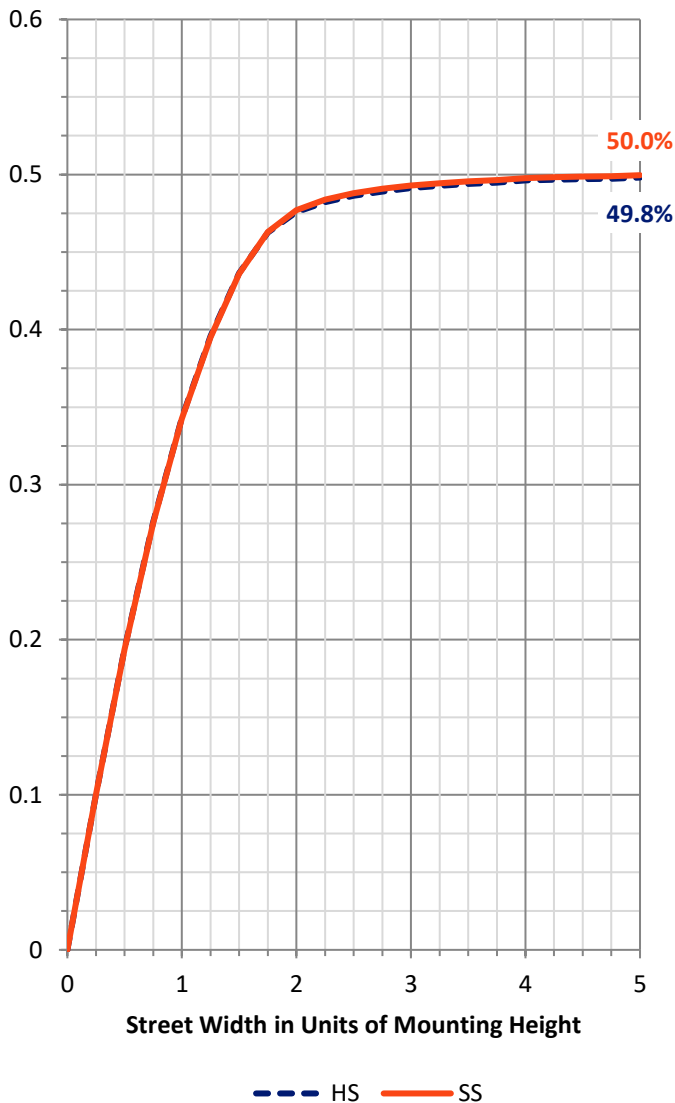
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9674.0	0.0	9674.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9674.0	0.0	9674.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	19348.0	0.0	19348.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.3	1.8
10°-20°	1047.6	5.4
20°-30°	1829.3	9.5
30°-40°	2921.7	15.1
40°-50°	3979.9	20.6
50°-60°	5381.9	27.8
60°-70°	2951.4	15.3
70°-80°	755.1	3.9
80°-90°	128.8	0.7
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°	19348.0	100.0
0°-180°	19348.0	100.0



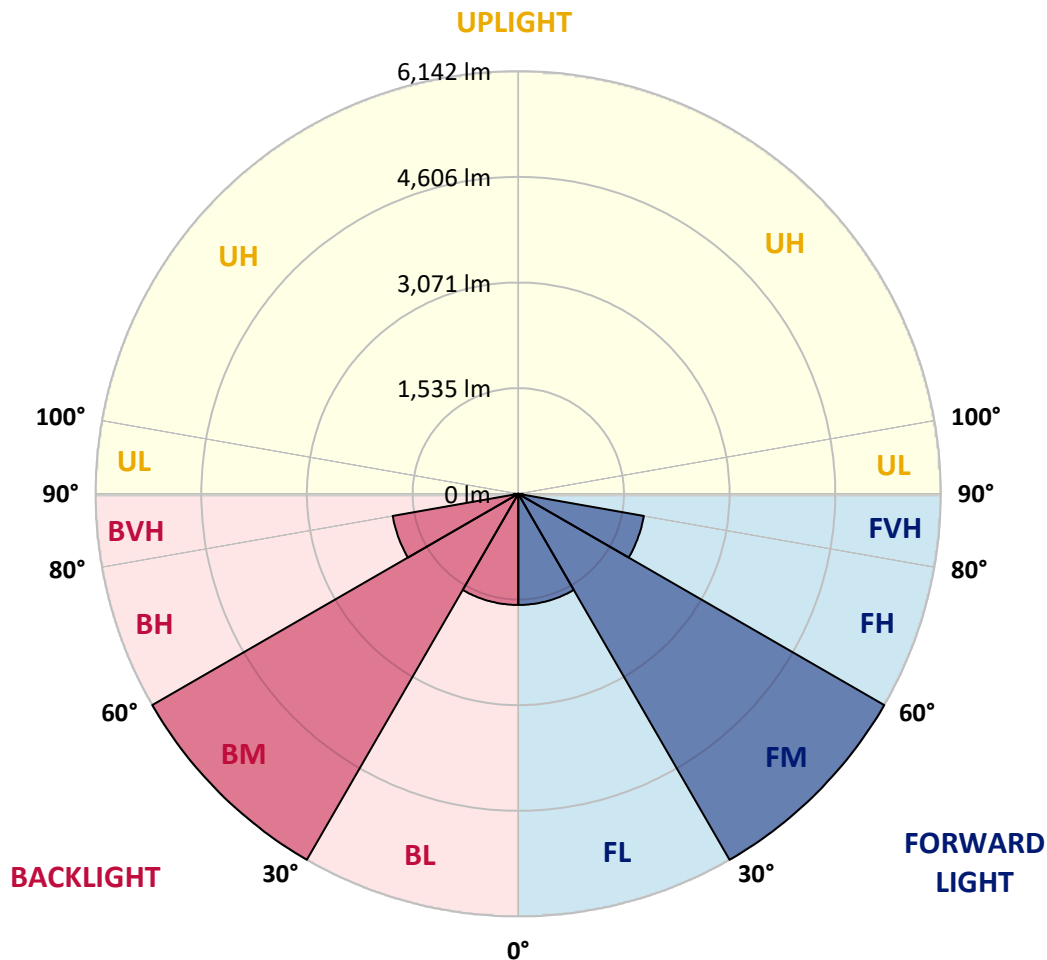
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.6	8.3			
FM (30°-60°)	6141.8	31.7			
FH (60°-80°)	1853.3	9.6			G2/5000
FVH (80°-90°)	64.4	0.3			G1/100
BL (0°-30°)	1614.6	8.3	B3/2500		
BM (30°-60°)	6141.8	31.7	B4/8500		
BH (60°-80°)	1853.3	9.6	B3/2500		G2/5000
BVH (80°-90°)	64.4	0.3			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°	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2	3737.2
2.5°	3714.8	3742.1	3722.3	3739.6	3737.2	3729.7	3717.3	3709.8	3699.9	3714.8	3690.0
5°	3699.9	3722.3	3744.6	3714.8	3714.8	3699.9	3692.5	3677.6	3677.6	3675.1	3672.6
7.5°	3724.7	3702.4	3692.5	3697.5	3702.4	3670.1	3692.5	3662.7	3637.9	3655.3	3675.1
10°	3702.4	3712.3	3675.1	3692.5	3665.2	3670.1	3655.3	3675.1	3647.8	3647.8	3647.8
12.5°	3724.7	3697.5	3709.8	3697.5	3690.0	3647.8	3667.7	3645.4	3642.9	3667.7	3645.4
15°	3769.4	3724.7	3714.8	3690.0	3697.5	3697.5	3677.6	3680.0	3652.8	3667.7	3672.6
17.5°	3754.5	3729.7	3722.3	3692.5	3717.3	3724.7	3687.5	3662.7	3680.0	3677.6	3675.1
20°	3766.8	3776.8	3769.4	3774.3	3784.2	3764.4	3729.7	3694.9	3672.6	3704.9	3702.4
22.5°	3846.2	3836.3	3831.3	3826.4	3843.8	3863.6	3816.5	3761.9	3761.9	3784.2	3794.2
25°	3910.7	3908.2	3905.8	3928.1	3987.6	3987.6	3928.1	3858.6	3841.3	3856.2	3843.8
27.5°	4004.9	4032.3	4022.3	4061.9	4148.7	4168.6	4089.3	4007.4	3960.3	3942.9	3965.2
30°	4220.7	4188.4	4195.9	4238.1	4314.9	4379.4	4257.9	4171.1	4106.6	4104.2	4114.1
32.5°	4364.5	4389.3	4411.6	4451.3	4572.9	4622.4	4476.1	4334.8	4295.1	4272.8	4280.2
35°	4652.2	4629.9	4624.9	4664.6	4786.1	4868.0	4684.5	4560.4	4508.3	4558.0	4558.0
37.5°	4925.0	4863.0	4815.8	4868.0	4979.5	4989.4	4833.2	4766.3	4739.0	4796.0	4793.5
40°	5053.9	5048.9	4939.9	4969.6	5118.4	5133.3	4987.0	4907.6	4902.6	4977.0	5051.5
42.5°	5187.8	5140.7	5031.6	5051.5	5143.2	5148.2	5009.2	4987.0	5041.5	5113.4	5118.4
45°	5210.2	5170.5	5101.0	5051.5	5118.4	5133.3	5051.5	5066.4	5071.2	5158.1	5158.1
47.5°	5254.8	5249.9	5210.2	5172.9	5185.4	5172.9	5120.8	5143.2	5217.6	5259.7	5239.9
50°	5378.8	5326.7	5366.3	5334.1	5336.6	5371.3	5324.2	5346.6	5331.7	5294.4	5269.6
52.5°	5651.5	5626.8	5661.4	5683.8	5708.6	5787.9	5733.3	5614.3	5502.7	5403.6	5401.1
55°	6050.8	6068.2	6135.1	6249.2	6345.9	6472.4	6209.5	5924.3	5745.8	5589.5	5599.5
57.5°	6427.8	6415.3	6507.1	6767.4	7050.2	7114.7	6598.8	6192.2	5902.1	5802.8	5760.7
59°	6125.2	6184.7	6393.0	6683.2	7127.1	7221.3	6546.8	5974.0	5666.4	5465.6	5500.3
60°	5649.1	5671.4	5857.4	6261.6	6861.7	7022.9	6197.1	5636.6	5227.5	5110.9	5163.0
62.5°	3992.6	3975.2	4109.1	4438.9	4977.0	5195.3	4607.5	4213.2	3955.3	3826.4	3856.2
65°	2122.8	2202.1	2256.7	2462.4	2747.6	2978.3	2735.3	2564.1	2420.3	2313.7	2311.2
67.5°	1433.3	1423.4	1435.8	1482.9	1579.7	1644.2	1639.2	1552.4	1540.0	1520.1	1542.5
70°	1207.7	1202.7	1180.4	1180.4	1200.3	1215.2	1232.5	1242.4	1262.3	1287.1	1284.5
72.5°	979.5	967.2	952.3	944.8	969.6	977.1	999.4	1009.3	1026.7	1024.2	1046.5
75°	647.2	647.2	664.6	684.4	691.9	706.8	709.2	739.0	739.0	743.9	724.1
77.5°	362.1	352.1	364.6	384.3	401.7	429.0	456.3	478.6	491.0	486.0	486.0
80°	210.8	210.8	223.2	245.5	267.9	292.6	312.4	329.8	342.2	337.2	327.3
82.5°	131.4	131.4	143.8	166.2	183.5	198.4	225.6	248.0	262.9	257.9	245.5
85°	66.9	66.9	81.8	96.7	119.0	128.9	126.5	116.6	114.0	101.7	101.7
87.5°	17.3	17.3	24.8	27.2	22.3	24.8	24.8	24.8	24.8	24.8	27.2
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)