

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: P647475

Luminaire Tested: **GALN-SA6D-835-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37672.5 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

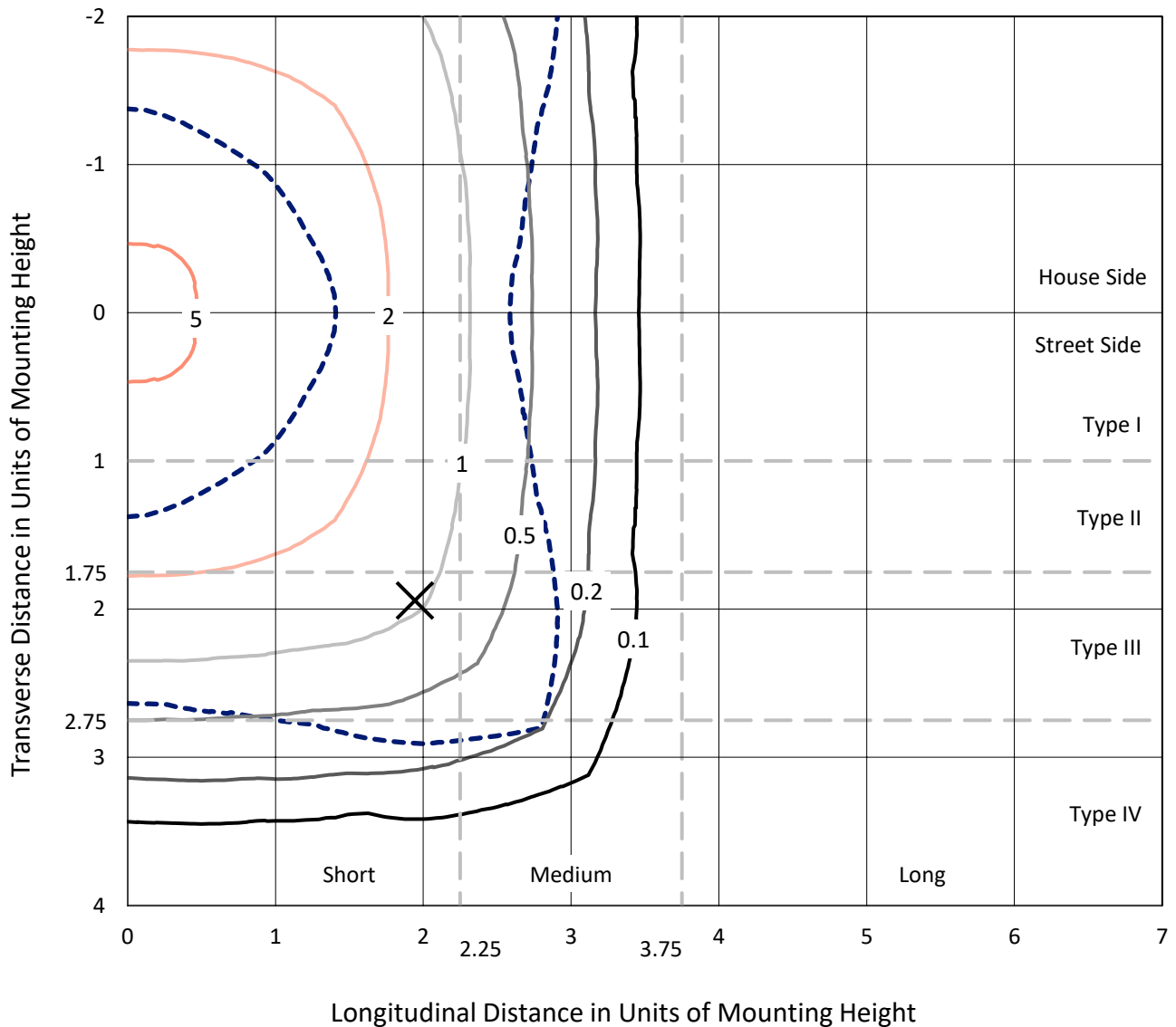
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

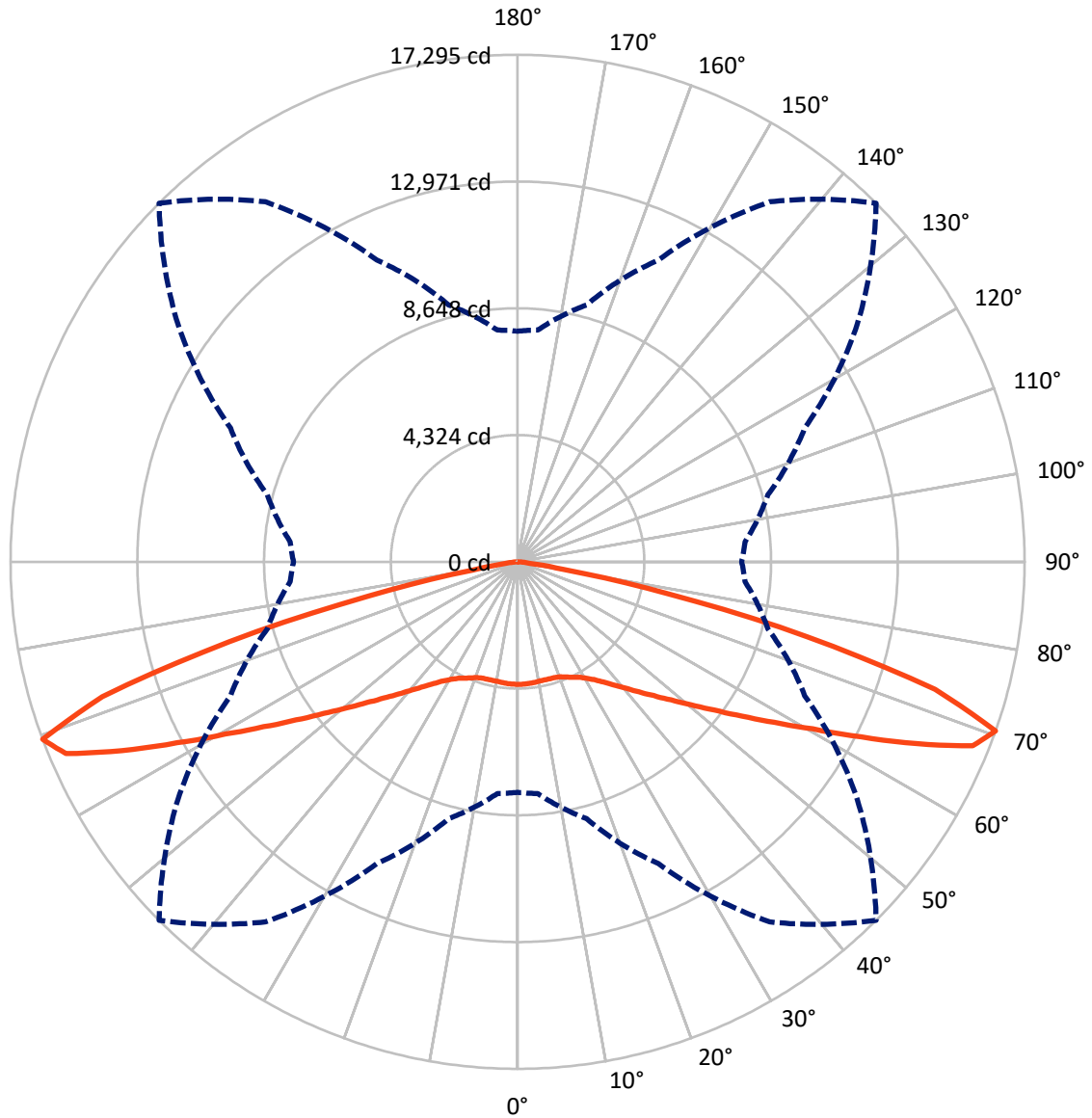
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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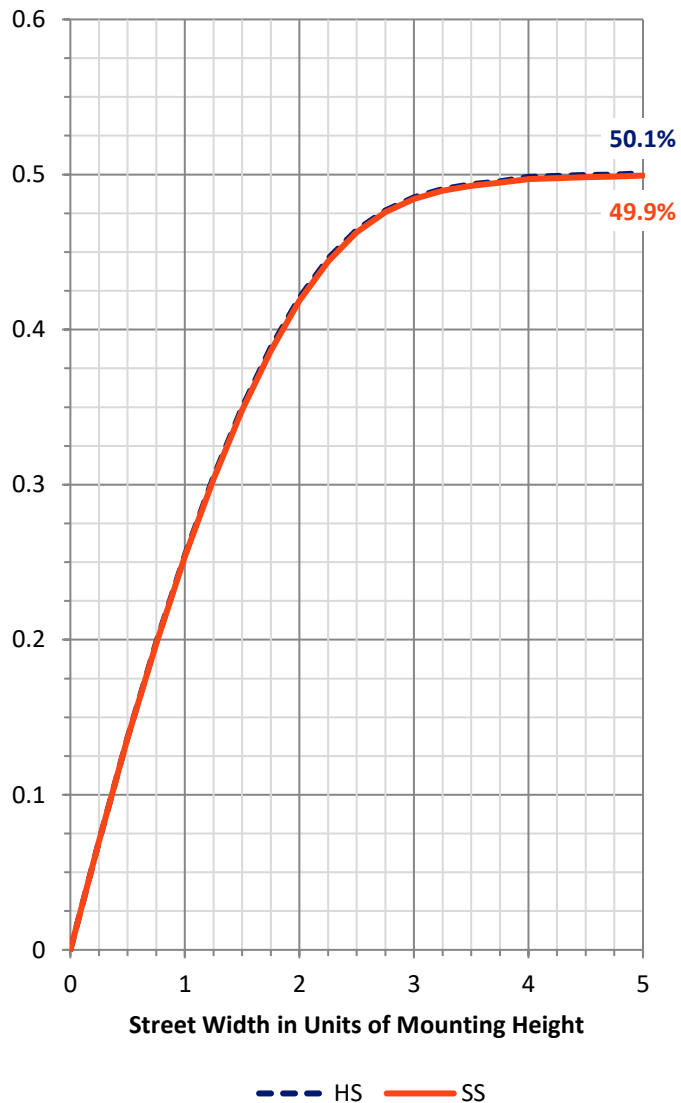
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18836.2	0.0	18836.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18836.2	0.0	18836.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	37672.5	0.0	37672.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.7	1.1
10°-20°	1164.1	3.1
20°-30°	1990.9	5.3
30°-40°	3160.1	8.4
40°-50°	5098.0	13.5
50°-60°	8294.6	22.0
60°-70°	12024.2	31.9
70°-80°	5333.5	14.2
80°-90°	210.4	0.6
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°	37672.5	100.0
0°-180°	37672.5	100.0

Coefficient of Utilization

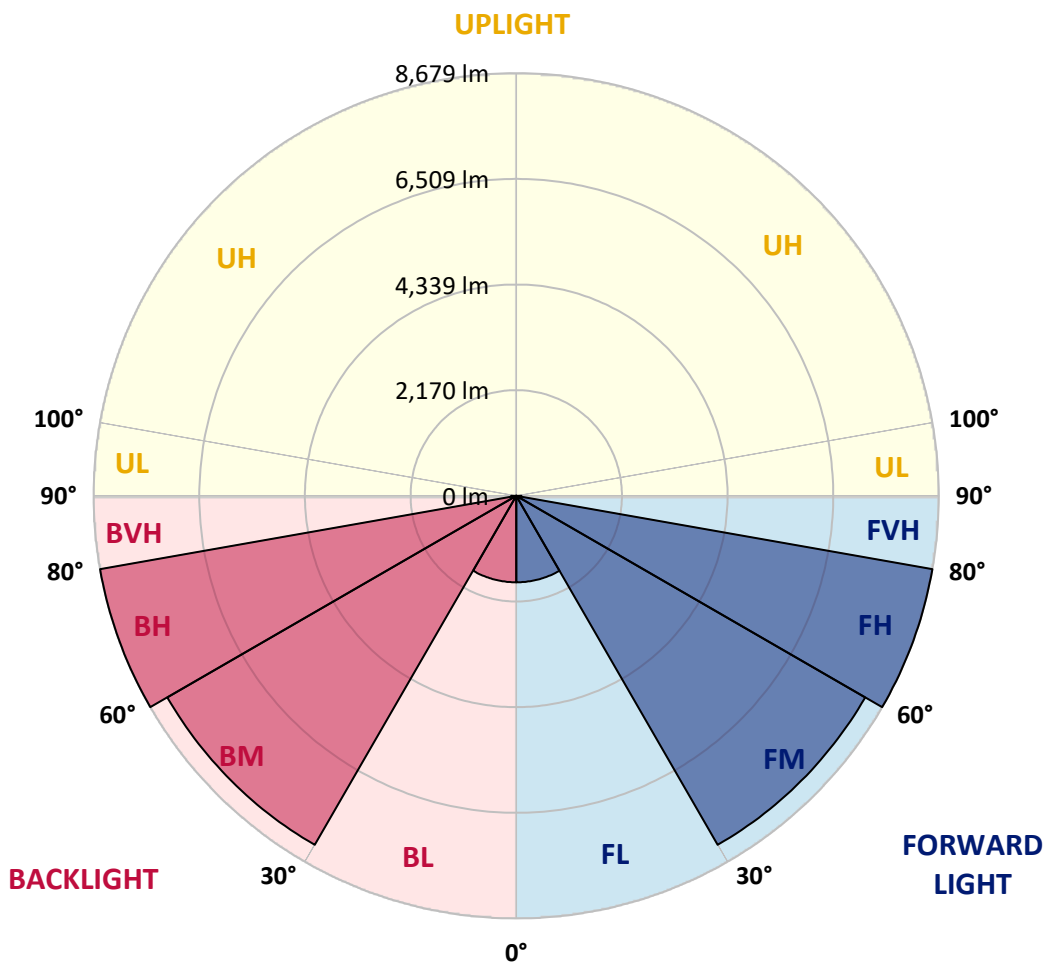


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1775.9	4.7			
FM (30°-60°)	8276.3	22.0			
FH (60°-80°)	8678.8	23.0			G4/12000
FVH (80°-90°)	105.2	0.3			G2/225
BL (0°-30°)	1775.9	4.7	B3/2500		
BM (30°-60°)	8276.3	22.0	B4/8500		
BH (60°-80°)	8678.8	23.0	B5		G4/12000
BVH (80°-90°)	105.2	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4183.3	4187.3	4181.4	4177.4	4175.4	4175.4	4173.4	4175.4	4187.3	4189.3	4183.3
5°	4171.4	4175.4	4173.4	4169.5	4167.4	4167.4	4165.5	4163.5	4173.4	4177.4	4175.4
7.5°	4155.5	4157.6	4155.5	4153.6	4155.5	4153.6	4147.6	4143.6	4151.6	4151.6	4149.6
10°	4127.7	4131.7	4129.8	4131.7	4135.7	4135.7	4127.7	4119.8	4121.8	4117.8	4117.8
12.5°	4094.0	4099.9	4102.0	4109.9	4119.8	4131.7	4113.9	4096.0	4092.0	4090.0	4088.0
15°	4072.1	4078.1	4086.1	4094.0	4111.8	4137.7	4111.8	4084.0	4076.1	4068.2	4064.2
17.5°	4066.2	4074.2	4086.1	4098.0	4121.8	4147.6	4125.8	4098.0	4078.1	4066.2	4062.2
20°	4082.1	4088.0	4105.9	4127.7	4161.5	4187.3	4165.5	4135.7	4105.9	4088.0	4082.1
22.5°	4113.9	4123.8	4145.6	4185.4	4233.0	4270.7	4241.0	4191.3	4143.6	4119.8	4111.8
25°	4183.3	4191.3	4217.1	4270.7	4326.3	4362.0	4330.3	4272.7	4207.2	4175.4	4165.5
27.5°	4288.6	4300.5	4328.3	4391.8	4437.5	4457.3	4435.5	4395.8	4348.2	4314.4	4306.4
30°	4437.5	4451.4	4493.1	4560.6	4590.3	4602.3	4592.4	4566.5	4532.8	4497.1	4489.1
32.5°	4638.0	4645.9	4693.6	4757.1	4784.9	4788.9	4777.0	4765.1	4709.5	4649.9	4645.9
35°	4862.4	4876.3	4933.8	5009.3	5035.1	5037.1	5013.2	4995.4	4929.8	4882.2	4882.2
37.5°	5160.2	5166.2	5221.7	5307.1	5334.9	5327.0	5315.1	5299.2	5229.7	5168.1	5170.1
40°	5509.7	5521.6	5569.2	5668.5	5668.5	5658.5	5666.5	5654.6	5585.1	5525.6	5527.5
42.5°	5924.6	5930.5	5988.1	6093.4	6085.4	6065.6	6073.5	6057.6	6013.9	5946.4	5922.6
45°	6367.4	6391.2	6490.4	6591.7	6575.8	6512.3	6544.1	6540.1	6500.4	6399.1	6405.1
47.5°	6901.4	6941.1	7036.4	7157.6	7139.7	7040.4	7076.1	7100.0	7044.4	6933.2	6913.3
50°	7503.0	7528.9	7669.8	7782.9	7767.1	7661.9	7743.2	7747.2	7608.3	7451.4	7451.4
52.5°	8144.3	8170.1	8360.7	8537.4	8547.4	8394.5	8460.0	8456.1	8229.7	8023.2	7983.5
55°	8863.1	8875.0	9121.2	9381.3	9436.9	9287.9	9295.9	9216.5	8922.6	8682.4	8660.5
57.5°	9605.6	9649.3	9921.3	10258.9	10423.6	10332.3	10290.6	10078.1	9794.2	9518.3	9504.4
60°	10427.6	10429.6	10783.0	11182.1	11515.7	11577.2	11406.4	11122.5	10755.2	10389.9	10374.0
62.5°	10997.4	11082.8	11529.5	12204.6	12802.2	13147.7	12697.0	12101.3	11378.6	10789.0	10729.4
65°	11114.6	11172.2	11853.1	12996.8	14217.9	14962.3	13920.0	12653.3	11420.4	10634.1	10594.4
67.5°	10167.5	10229.0	11146.3	12901.5	15210.6	16737.4	14714.2	12387.2	10713.5	9740.6	9663.2
70°	7864.4	7933.9	9067.5	11356.8	14990.1	17295.3	14148.3	10804.9	8835.3	7785.0	7644.0
72.5°	4181.4	4437.5	5406.4	7794.9	12166.9	14890.9	11601.0	7884.3	5698.3	4657.9	4471.2
75°	1526.9	1558.6	2098.6	3456.7	7078.2	10211.2	7350.2	3760.4	2162.2	1669.7	1584.4
77.5°	631.4	629.4	690.9	1044.4	2571.1	5229.7	2869.0	1103.9	689.0	637.4	629.4
80°	373.3	373.3	411.0	434.8	677.1	1578.4	756.5	492.4	413.0	377.2	383.2
82.5°	166.8	176.7	260.1	274.0	327.6	432.8	365.3	313.7	270.1	186.7	168.7
85°	91.3	79.4	137.0	143.0	156.8	160.8	172.7	170.8	156.8	91.3	93.3
87.5°	17.9	21.8	39.7	29.8	33.7	29.8	39.7	55.6	57.6	31.8	25.8
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)