

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: P647486

Luminaire Tested: **GALN-SA6D-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23212 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

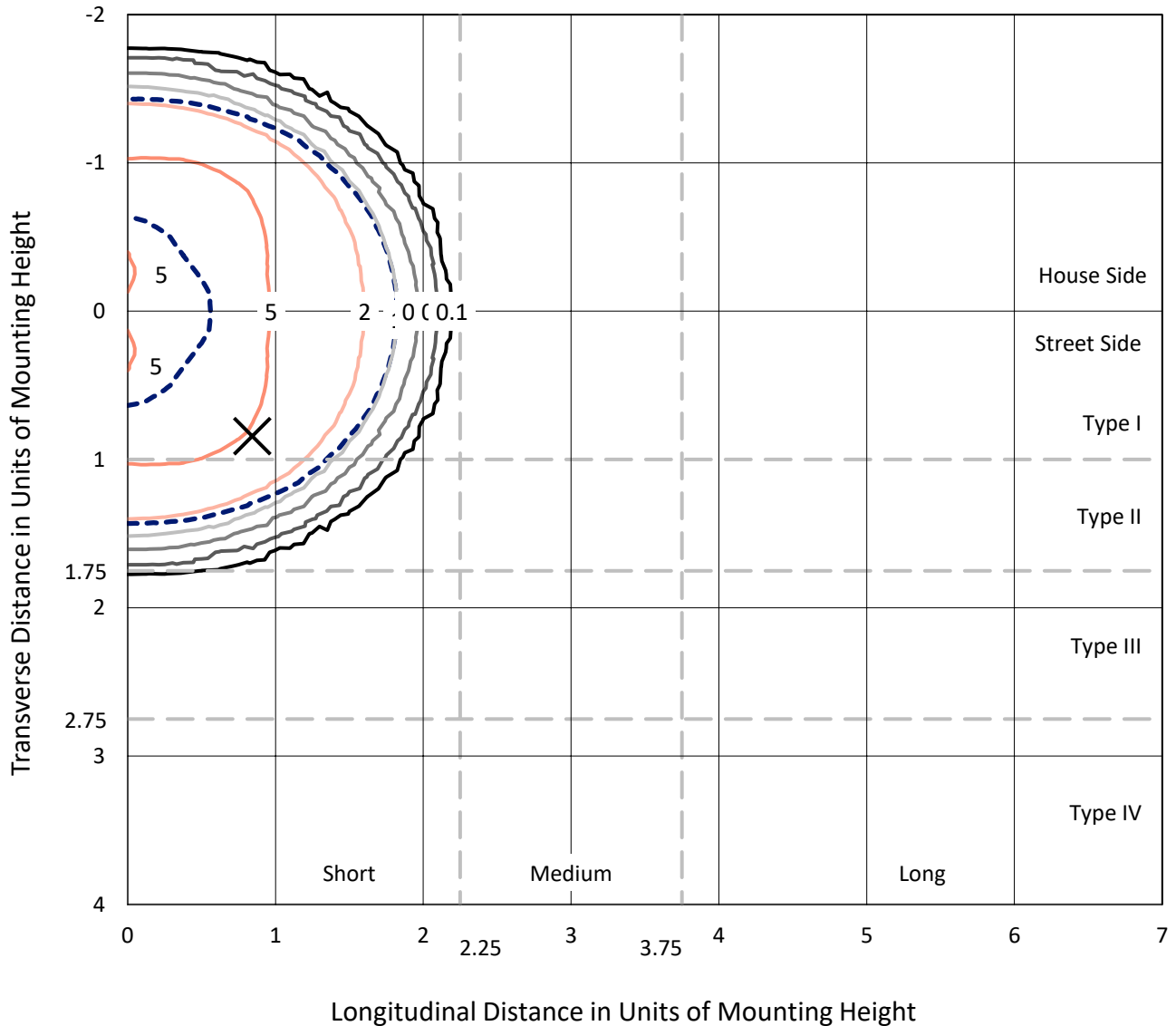
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P647486
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Iso-Footcandle Lines of Horizontal Illumination

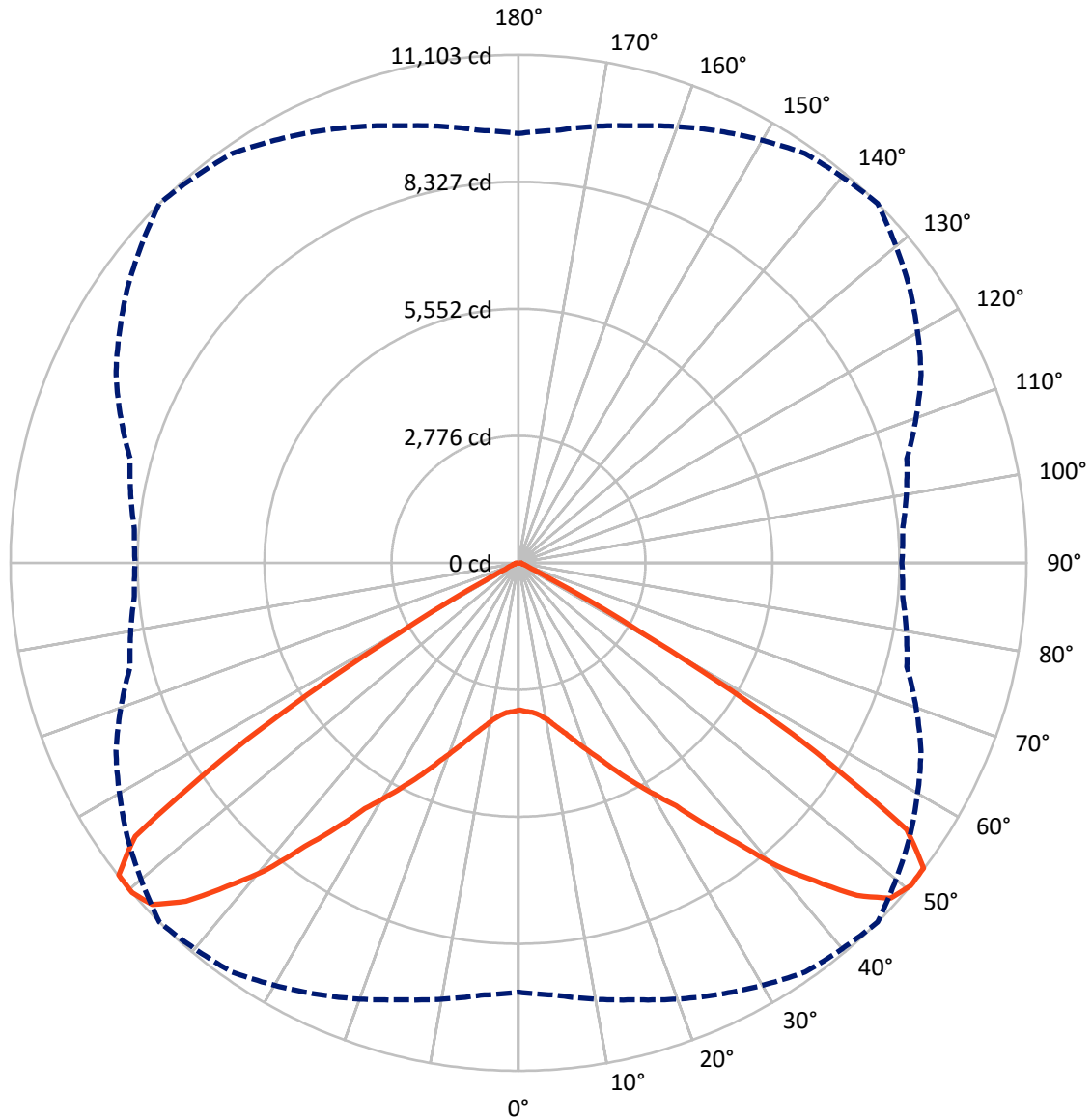
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type V - Short - N/A

REPORT NUMBER: P647486
CATALOG NUMBER: GALN-SA6D-835-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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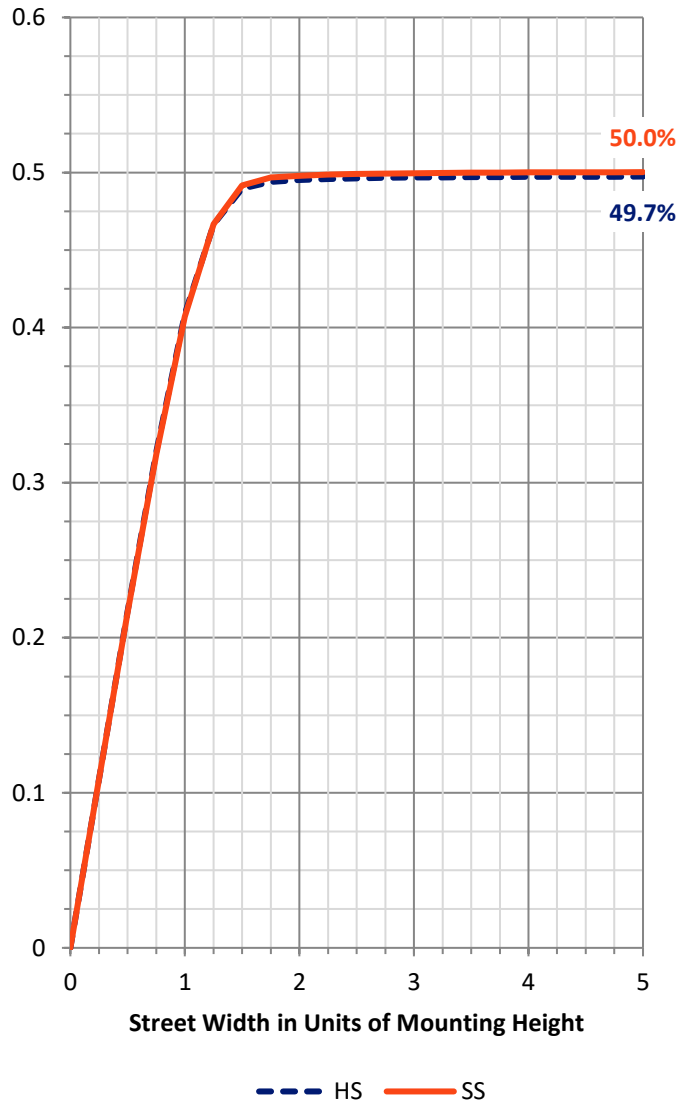
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11606.0	0.0	11606.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11606.0	0.0	11606.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23212.0	0.0	23212.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.2	1.4
10°-20°	1103.4	4.8
20°-30°	2253.6	9.7
30°-40°	4297.7	18.5
40°-50°	7242.2	31.2
50°-60°	6906.7	29.8
60°-70°	964.1	4.2
70°-80°	92.2	0.4
80°-90°	31.9	0.1
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°	23212.0	100.0
0°-180°	23212.0	100.0

Coefficient of Utilization



REPORT NUMBER: P647486

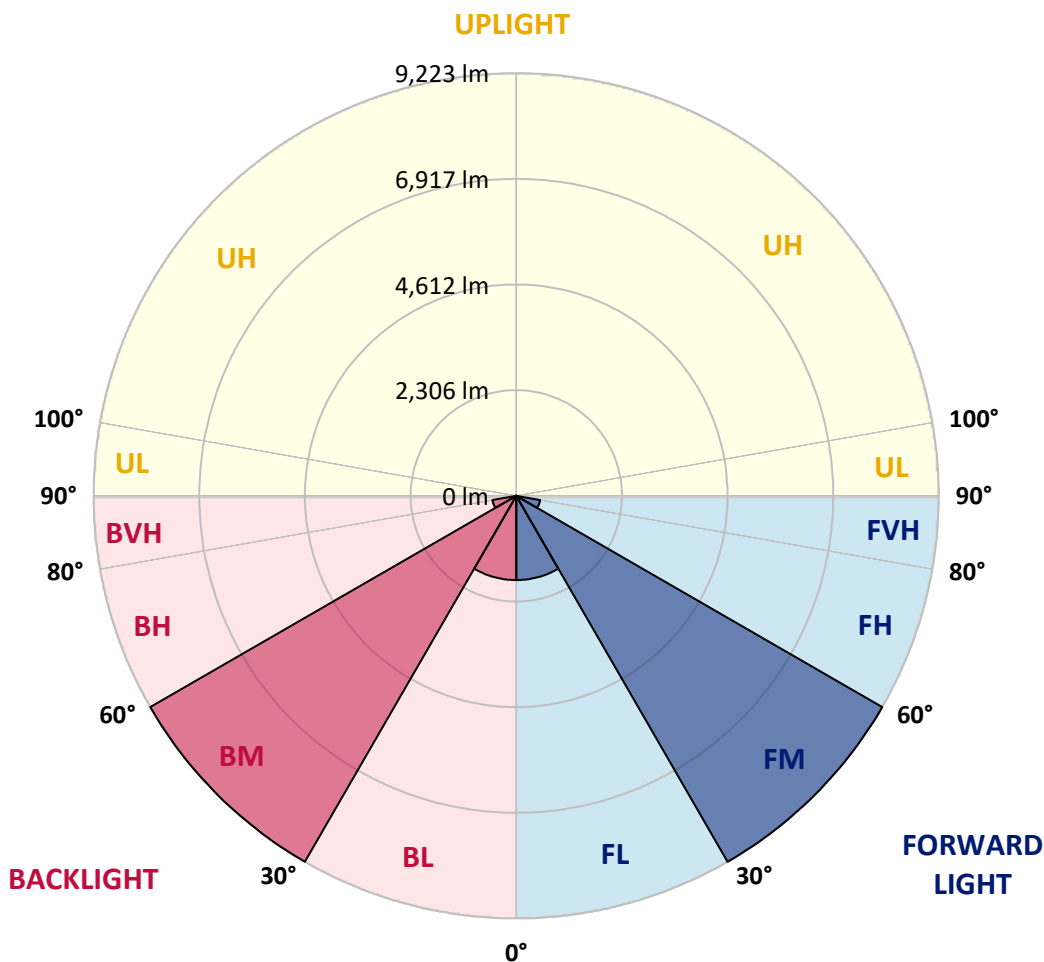
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1838.6	7.9			
FM (30°-60°)	9223.3	39.7			
FH (60°-80°)	528.2	2.3			G0/660
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	1838.6	7.9	B3/2500		
BM (30°-60°)	9223.3	39.7	B5		
BH (60°-80°)	528.2	2.3	B2/1000		G0/660
BVH (80°-90°)	15.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1	3218.1
2.5°	3206.4	3206.4	3202.5	3233.7	3218.1	3253.2	3249.4	3261.0	3272.8	3268.9	3300.1
5°	3179.1	3175.1	3175.1	3210.3	3245.5	3284.5	3319.6	3343.1	3382.1	3382.1	3421.2
7.5°	3206.4	3186.9	3214.2	3229.8	3296.2	3362.6	3421.2	3468.1	3557.9	3589.1	3577.4
10°	3214.2	3237.6	3257.1	3304.0	3386.0	3487.6	3538.4	3655.5	3757.1	3827.4	3843.0
12.5°	3265.0	3300.1	3354.8	3468.1	3542.2	3675.0	3745.3	3858.6	3999.2	4077.3	4132.0
15°	3362.6	3374.3	3444.6	3589.1	3749.2	3870.3	3979.7	4061.7	4198.4	4288.2	4292.1
17.5°	3487.6	3538.4	3635.9	3772.7	3940.6	4120.2	4206.2	4296.0	4346.7	4467.9	4495.2
20°	3737.5	3745.3	3839.0	4018.7	4229.6	4393.6	4456.1	4503.0	4483.5	4608.4	4631.8
22.5°	3971.8	3979.7	4096.8	4339.0	4565.4	4706.1	4733.4	4706.1	4647.5	4737.3	4745.1
25°	4210.1	4280.3	4366.3	4608.4	4889.6	5077.1	5081.0	5006.8	4885.7	4901.3	4940.4
27.5°	4581.1	4631.8	4721.7	4944.3	5252.8	5463.7	5428.6	5338.7	5182.5	5194.3	5182.5
30°	5014.6	5061.5	5135.7	5420.8	5647.3	5877.7	5928.5	5842.6	5608.2	5557.4	5616.1
32.5°	5537.9	5604.3	5741.0	6002.7	6194.1	6334.6	6369.8	6338.5	6119.8	6100.4	6139.3
35°	6174.5	6264.3	6389.4	6619.7	6775.9	7029.9	7029.9	6924.4	6725.2	6748.6	6744.7
37.5°	6846.2	6979.0	7174.3	7408.7	7619.5	7756.2	7713.3	7623.4	7424.2	7373.5	7424.2
40°	7689.8	7756.2	8002.3	8306.9	8564.7	8720.9	8537.3	8342.1	7865.5	7939.8	8076.5
42.5°	8459.2	8564.7	8752.1	9088.0	9380.9	9509.8	9291.1	8904.4	8330.3	8271.8	8373.3
45°	9115.3	9228.6	9474.6	9955.0	10263.6	10376.8	9892.5	9267.7	8611.5	8463.1	8506.0
47.5°	9552.8	9611.3	9955.0	10411.9	10693.1	10950.9	10255.7	9517.6	8744.3	8463.1	8447.5
50°	9384.8	9486.4	9888.6	10408.0	10919.6	11103.2	10439.3	9709.0	8787.3	8428.0	8381.1
52.5°	8334.3	8510.0	8959.1	9658.1	10431.4	11087.6	10693.1	9646.5	8771.6	8463.1	8533.4
55°	5799.6	5803.5	6350.3	7381.3	8748.2	10294.8	10322.1	9716.8	8873.2	8681.8	8685.7
57.5°	2331.5	2448.8	2866.6	3901.5	5163.0	7068.8	8404.6	9013.8	8884.9	8838.0	8959.1
60°	589.8	593.6	722.5	1101.4	1816.0	3030.6	4401.5	5955.8	6858.0	7166.5	7209.5
62.5°	300.8	304.6	335.9	390.6	496.0	812.4	1445.0	2292.5	3261.0	3753.2	3882.0
65°	246.0	246.0	265.6	292.9	296.8	312.4	374.9	535.0	777.2	882.6	894.3
67.5°	187.5	187.5	203.1	218.7	226.5	222.6	214.8	222.6	269.5	257.8	249.9
70°	117.1	121.1	128.9	144.5	152.3	156.2	160.1	168.0	191.4	199.2	191.4
72.5°	70.3	70.3	74.2	85.9	97.6	105.5	117.1	125.0	136.7	156.2	152.3
75°	31.2	31.2	39.1	50.7	62.5	74.2	85.9	97.6	105.5	117.1	121.1
77.5°	7.8	11.7	19.5	35.2	46.9	62.5	78.1	89.8	97.6	97.6	93.7
80°	3.9	3.9	15.7	27.3	50.7	66.4	85.9	93.7	105.5	97.6	85.9
82.5°	3.9	3.9	15.7	27.3	46.9	66.4	89.8	101.6	109.4	97.6	82.0
85°	0.0	3.9	11.7	23.4	39.1	46.9	39.1	27.3	15.7	15.7	11.7
87.5°	0.0	0.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)