

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: P532649

Luminaire Tested: **GALN-SA8A-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532649
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-SA8A-735-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 615mA 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: 22231 lumens
Efficiency: N/A
Efficacy: 91.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

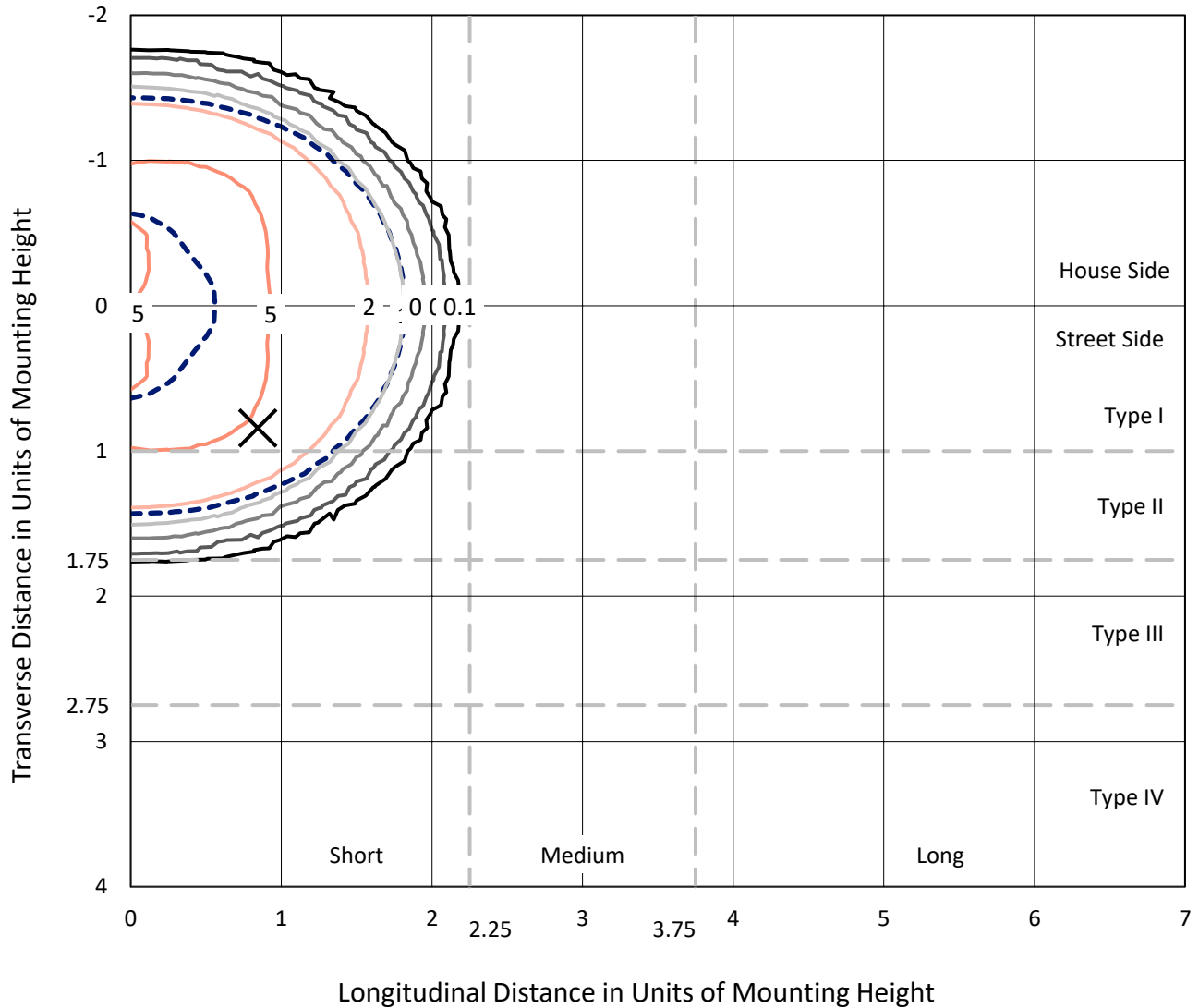
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

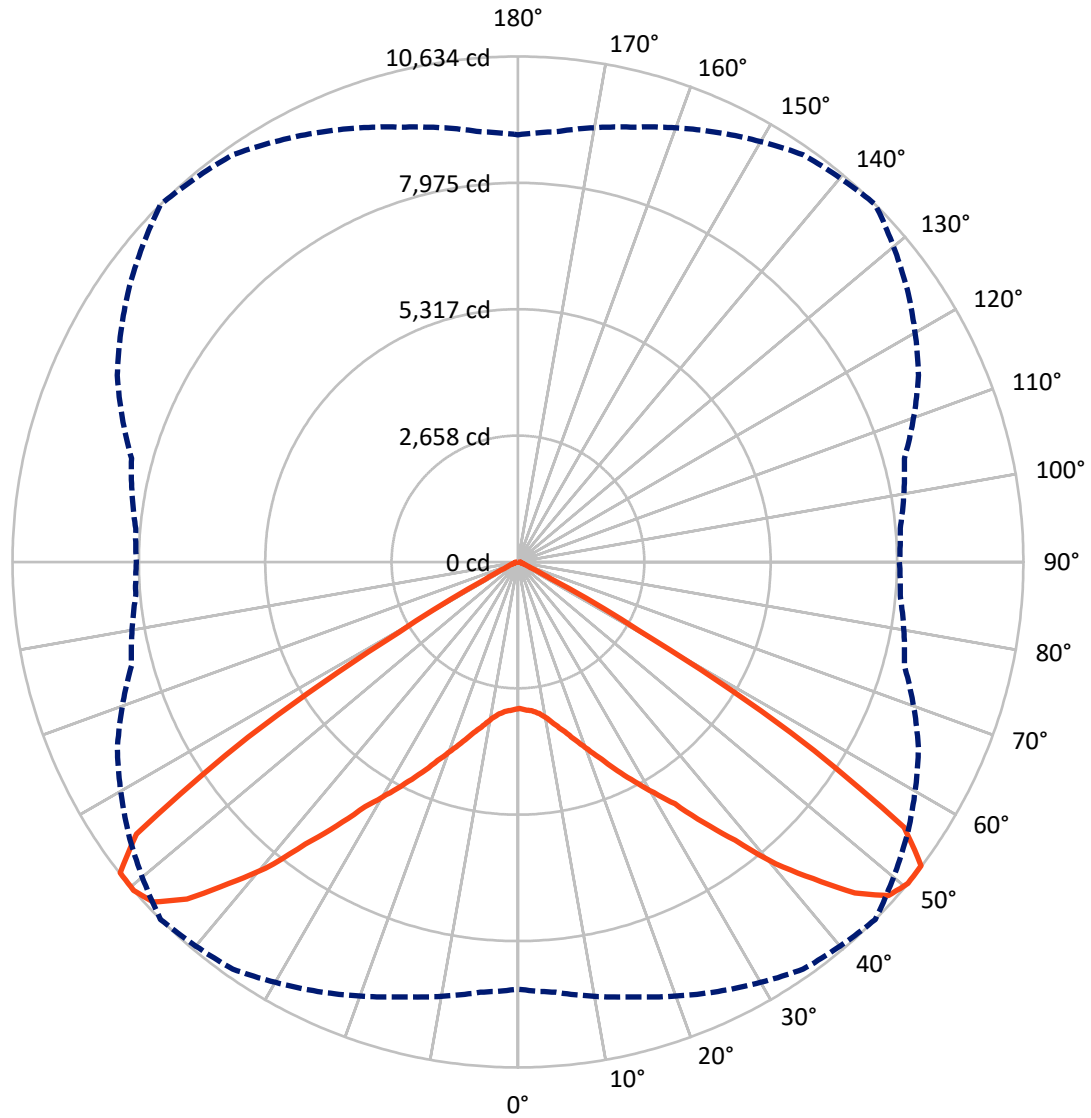
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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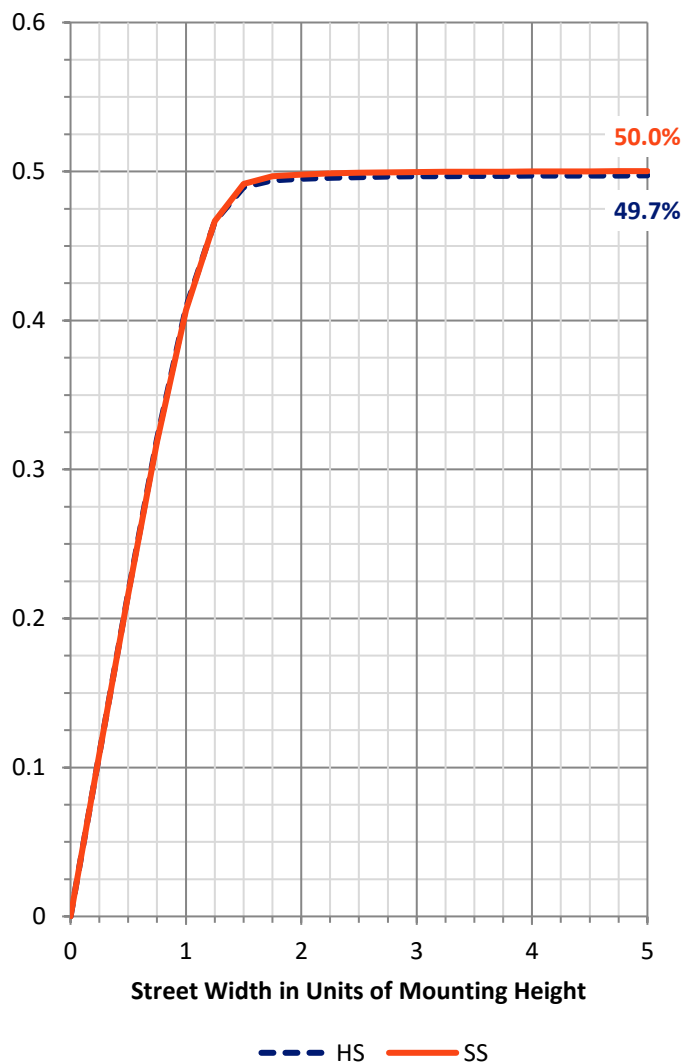
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11115.5	0.0	11115.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11115.5	0.0	11115.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22231.0	0.0	22231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.6	1.4
10°-20°	1056.8	4.8
20°-30°	2158.4	9.7
30°-40°	4116.0	18.5
40°-50°	6936.1	31.2
50°-60°	6614.8	29.8
60°-70°	923.4	4.2
70°-80°	88.3	0.4
80°-90°	30.5	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°	22231.0	100.0
0°-180°	22231.0	100.0

Coefficient of Utilization



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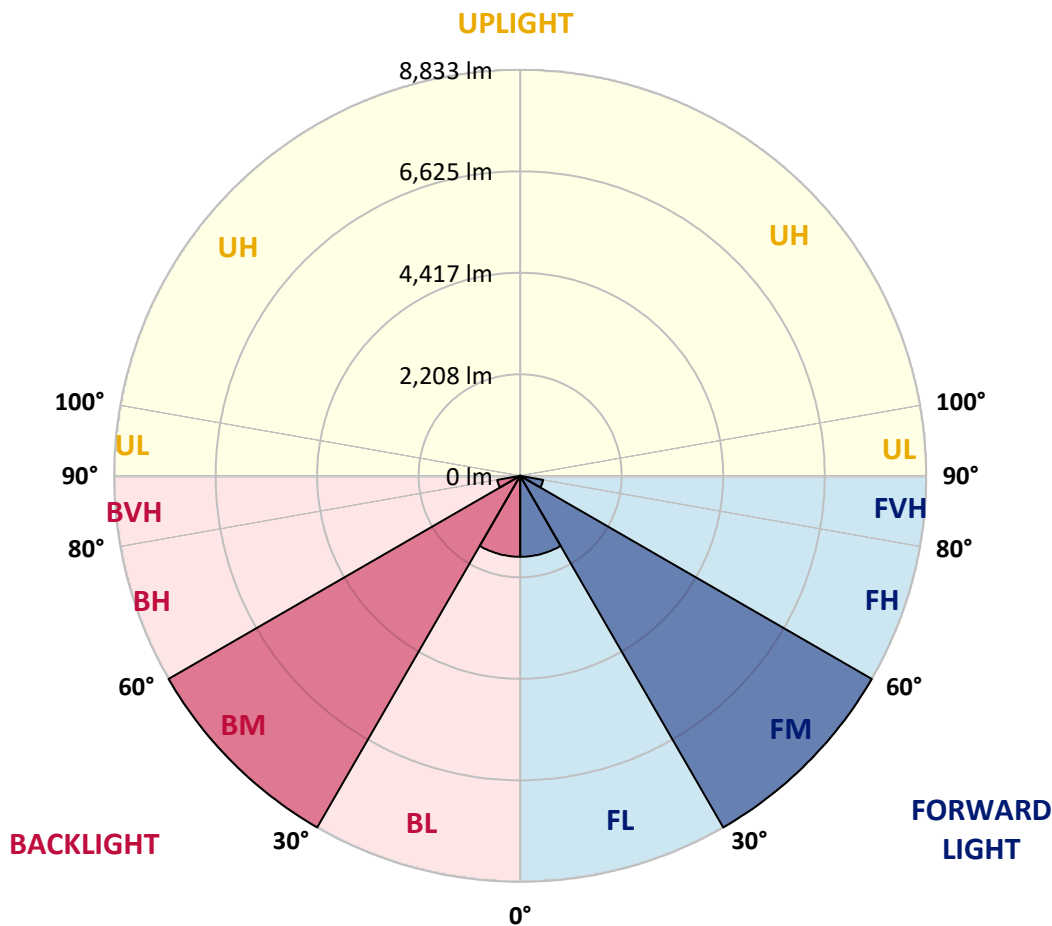
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1760.9	7.9			
FM (30°-60°)	8833.5	39.7			
FH (60°-80°)	505.8	2.3			G0/660
FVH (80°-90°)	15.3	0.1			G1/100
BL (0°-30°)	1760.9	7.9	B3/2500		
BM (30°-60°)	8833.5	39.7	B5		
BH (60°-80°)	505.8	2.3	B2/1000		G0/660
BVH (80°-90°)	15.3	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°	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1	3082.1
2.5°	3070.9	3070.9	3067.1	3097.0	3082.1	3115.7	3112.0	3123.2	3134.4	3130.7	3160.6
5°	3044.7	3040.9	3040.9	3074.6	3108.3	3145.7	3179.3	3201.8	3239.2	3239.2	3276.6
7.5°	3070.9	3052.2	3078.3	3093.3	3156.9	3220.5	3276.6	3321.5	3407.5	3437.4	3426.2
10°	3078.3	3100.8	3119.5	3164.4	3242.9	3340.2	3388.8	3501.0	3598.3	3665.6	3680.5
12.5°	3127.0	3160.6	3213.0	3321.5	3392.5	3519.7	3587.0	3695.5	3830.2	3905.0	3957.3
15°	3220.5	3231.7	3299.0	3437.4	3590.8	3706.7	3811.5	3890.0	4020.9	4107.0	4110.7
17.5°	3340.2	3388.8	3482.3	3613.2	3774.1	3946.1	4028.4	4114.4	4163.1	4279.0	4305.2
20°	3579.6	3587.0	3676.8	3848.9	4050.8	4207.9	4267.8	4312.7	4294.0	4413.7	4436.1
22.5°	3804.0	3811.5	3923.7	4155.6	4372.5	4507.2	4533.4	4507.2	4451.1	4537.1	4544.6
25°	4032.1	4099.5	4181.8	4413.7	4683.0	4862.5	4866.3	4795.2	4679.2	4694.2	4731.6
27.5°	4387.5	4436.1	4522.1	4735.3	5030.8	5232.8	5199.1	5113.1	4963.5	4974.7	4963.5
30°	4802.7	4847.5	4918.6	5191.7	5408.6	5629.3	5677.9	5595.6	5371.2	5322.6	5378.7
32.5°	5303.9	5367.5	5498.4	5749.0	5932.3	6066.9	6100.6	6070.7	5861.2	5842.5	5879.9
35°	5913.6	5999.6	6119.3	6340.0	6489.6	6732.7	6732.7	6631.7	6441.0	6463.4	6459.7
37.5°	6556.9	6684.1	6871.1	7095.5	7297.5	7428.4	7387.3	7301.2	7110.5	7061.9	7110.5
40°	7364.8	7428.4	7664.1	7955.8	8202.7	8352.3	8176.5	7989.5	7533.2	7604.2	7735.1
42.5°	8101.7	8202.7	8382.2	8703.9	8984.4	9107.9	8898.4	8528.1	7978.3	7922.2	8019.4
45°	8730.1	8838.5	9074.2	9534.3	9829.8	9938.2	9474.4	8876.0	8247.6	8105.4	8146.6
47.5°	9149.0	9205.1	9534.3	9971.9	10241.2	10488.1	9822.3	9115.3	8374.7	8105.4	8090.5
50°	8988.2	9085.4	9470.7	9968.1	10458.1	10633.9	9998.1	9298.6	8415.9	8071.8	8026.9
52.5°	7982.0	8150.3	8580.5	9250.0	9990.6	10619.0	10241.2	9238.8	8400.9	8105.4	8172.8
55°	5554.5	5558.2	6081.9	7069.3	8378.5	9859.7	9885.9	9306.1	8498.2	8314.9	8318.6
57.5°	2233.0	2345.2	2745.4	3736.7	4944.8	6770.1	8049.3	8632.8	8509.4	8464.5	8580.5
60°	564.8	568.5	692.0	1054.8	1739.3	2902.5	4215.4	5704.1	6568.1	6863.6	6904.8
62.5°	288.0	291.8	321.7	374.0	475.0	778.0	1383.9	2195.6	3123.2	3594.5	3718.0
65°	235.6	235.6	254.3	280.5	284.3	299.2	359.1	512.4	744.3	845.3	856.5
67.5°	179.5	179.5	194.5	209.5	216.9	213.2	205.7	213.2	258.1	246.9	239.4
70°	112.2	116.0	123.4	138.4	145.9	149.6	153.4	160.8	183.3	190.8	183.3
72.5°	67.3	67.3	71.1	82.3	93.5	101.0	112.2	119.7	130.9	149.6	145.9
75°	29.9	29.9	37.4	48.6	59.8	71.1	82.3	93.5	101.0	112.2	116.0
77.5°	7.5	11.2	18.7	33.7	44.9	59.8	74.8	86.0	93.5	93.5	89.8
80°	3.7	3.7	15.0	26.2	48.6	63.6	82.3	89.8	101.0	93.5	82.3
82.5°	3.7	3.7	15.0	26.2	44.9	63.6	86.0	97.3	104.7	93.5	78.5
85°	0.0	3.7	11.2	22.4	37.4	44.9	37.4	26.2	15.0	15.0	11.2
87.5°	0.0	0.0	3.7	3.7	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)