

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: P648573

Luminaire Tested: **GALN-SA8B-835-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-835-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21592 lumens
Efficiency: N/A
Efficacy: 66.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

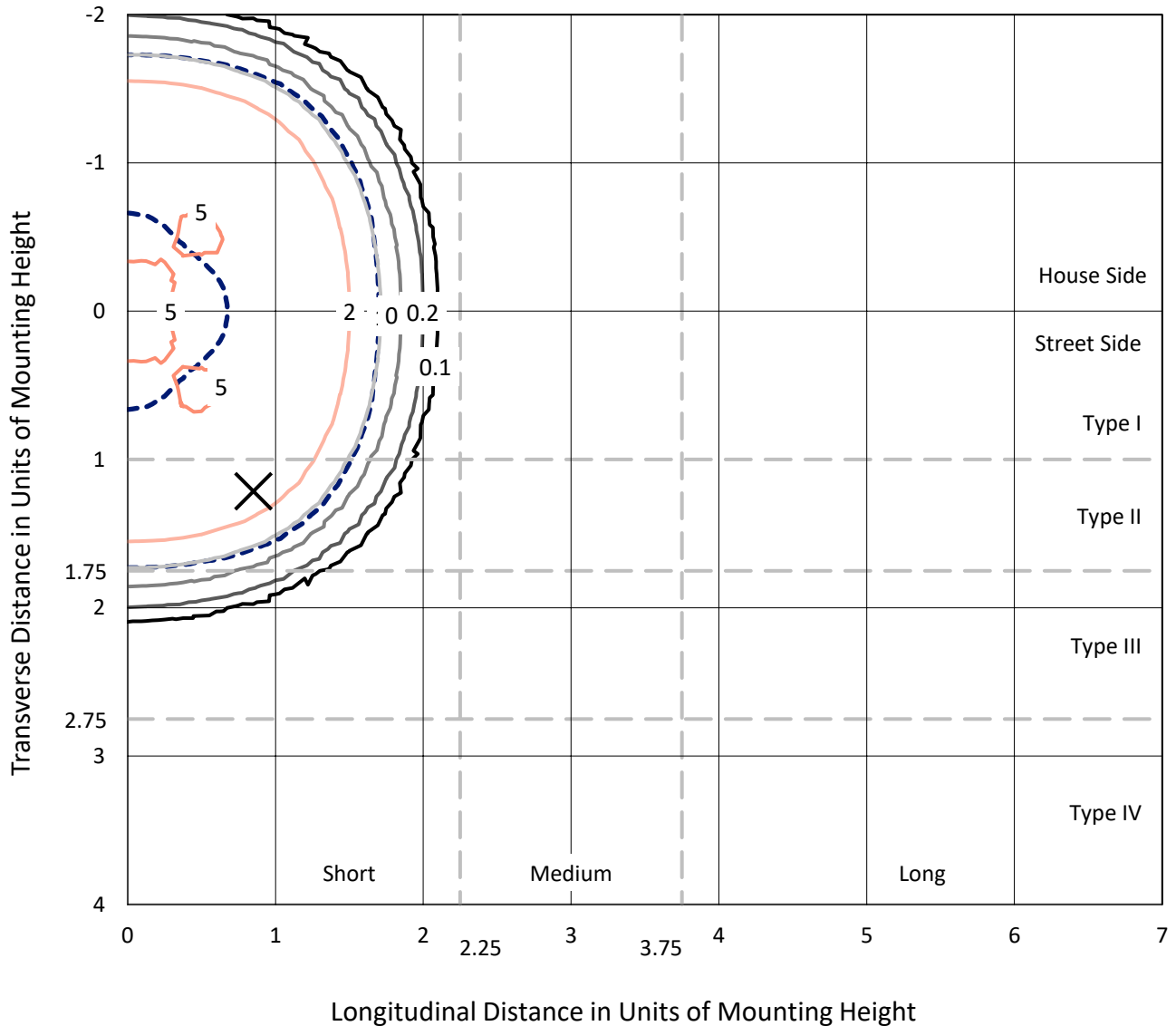
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

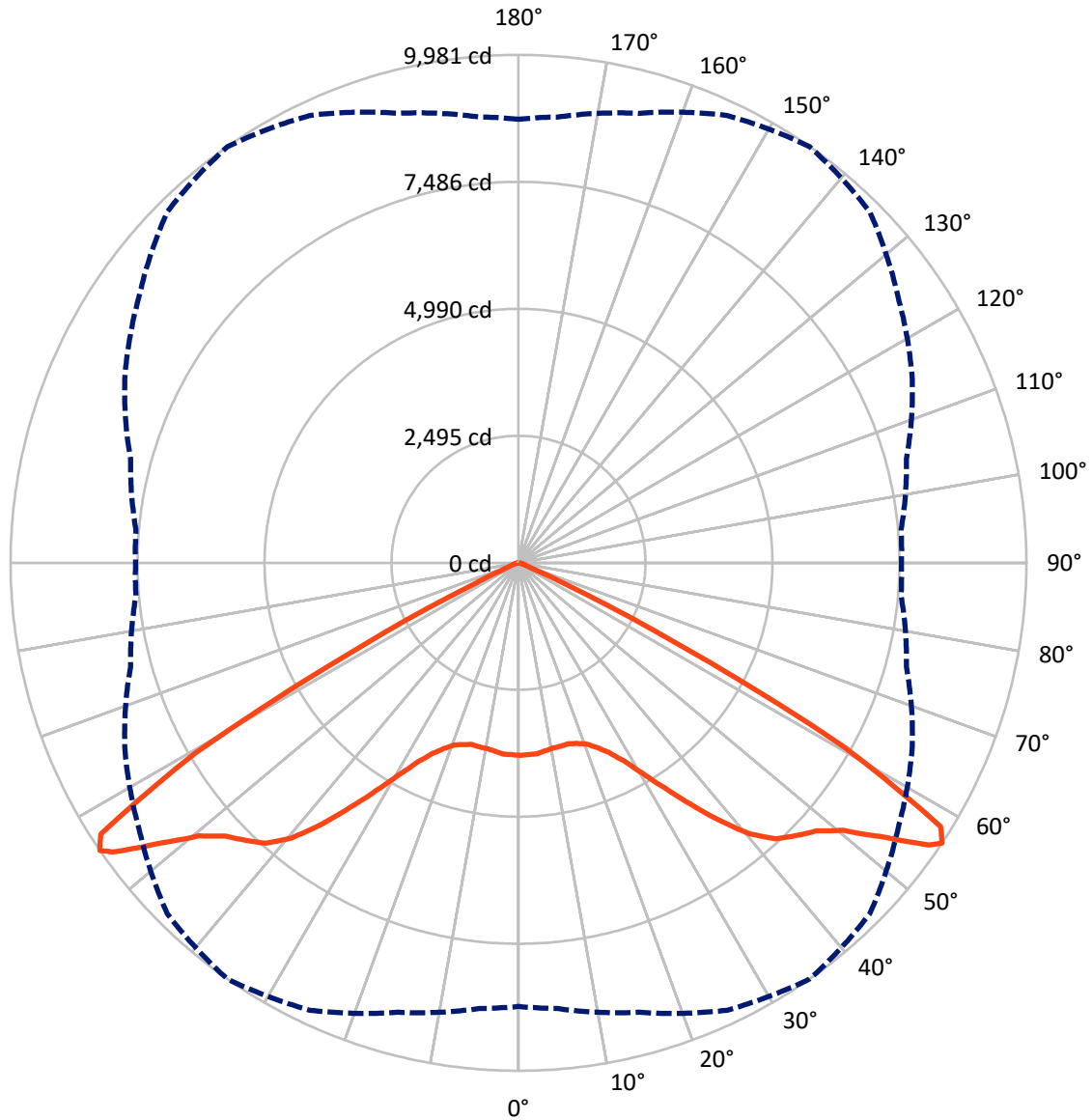
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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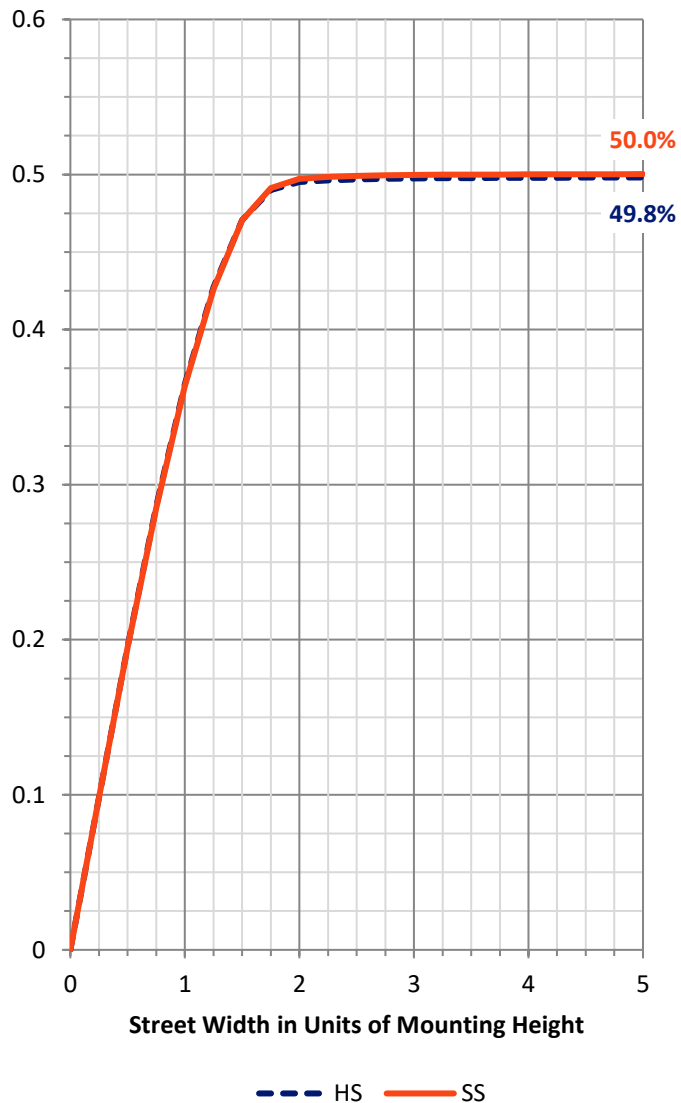
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10796.0	0.0	10796.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10796.0	0.0	10796.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21592.0	0.0	21592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.6	1.6
10°-20°	1038.1	4.8
20°-30°	1879.9	8.7
30°-40°	3486.0	16.1
40°-50°	5722.0	26.5
50°-60°	7371.7	34.1
60°-70°	1624.6	7.5
70°-80°	94.3	0.4
80°-90°	19.8	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°	21592.0	100.0
0°-180°	21592.0	100.0

Coefficient of Utilization

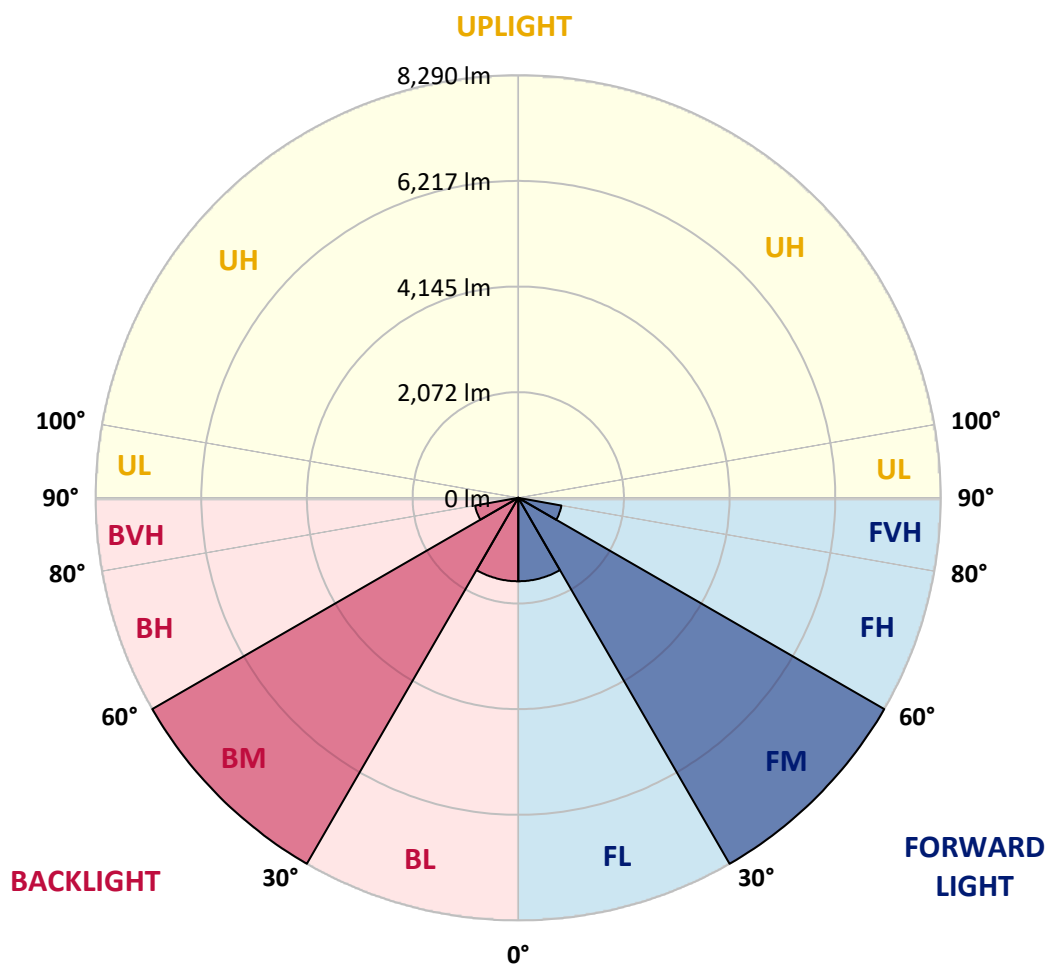


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1636.8	7.6			
FM (30°-60°)	8289.8	38.4			
FH (60°-80°)	859.5	4.0			G1/1800
FVH (80°-90°)	9.9	0.0			G0/10
BL (0°-30°)	1636.8	7.6	B3/2500		
BM (30°-60°)	8289.8	38.4	B4/8500		
BH (60°-80°)	859.5	4.0	B2/1000		G1/1800
BVH (80°-90°)	9.9	0.0			G0/10
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°	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4	3783.4
2.5°	3791.2	3791.2	3795.1	3799.0	3771.6	3759.9	3763.8	3756.0	3752.1	3763.8	3763.8
5°	3779.5	3779.5	3767.7	3771.6	3771.6	3736.4	3736.4	3744.2	3744.2	3720.8	3713.0
7.5°	3748.1	3740.3	3724.7	3744.2	3732.5	3732.5	3705.2	3685.6	3677.8	3693.4	3677.8
10°	3681.7	3685.6	3701.2	3709.1	3701.2	3724.7	3677.8	3650.3	3622.9	3611.2	3611.2
12.5°	3650.3	3673.8	3650.3	3669.9	3697.3	3677.8	3650.3	3630.8	3591.7	3576.0	3576.0
15°	3646.4	3662.1	3669.9	3697.3	3685.6	3693.4	3638.6	3615.1	3556.5	3529.1	3517.3
17.5°	3642.5	3662.1	3673.8	3724.7	3732.5	3736.4	3693.4	3622.9	3572.1	3544.7	3517.3
20°	3685.6	3693.4	3716.9	3767.7	3799.0	3853.8	3775.5	3701.2	3591.7	3560.4	3548.6
22.5°	3740.3	3779.5	3803.0	3857.7	3939.9	3986.8	3885.1	3791.2	3677.8	3638.6	3591.7
25°	3916.4	3908.6	3947.7	4061.2	4127.7	4162.9	4080.8	3943.8	3795.1	3748.1	3756.0
27.5°	4135.5	4143.3	4178.6	4303.8	4401.6	4456.4	4358.5	4178.6	4033.8	3955.6	3947.7
30°	4421.1	4413.3	4452.5	4620.6	4796.7	4878.9	4706.8	4495.4	4354.6	4252.9	4276.4
32.5°	4722.4	4726.3	4835.8	4988.4	5274.1	5434.5	5156.7	4898.4	4687.2	4616.7	4581.6
35°	5168.4	5188.0	5274.1	5508.8	5825.7	6033.1	5727.9	5418.8	5176.3	5047.1	5062.8
37.5°	5720.0	5700.5	5845.3	6099.6	6432.1	6584.7	6326.5	5974.4	5727.9	5641.8	5696.6
40°	6306.9	6326.5	6400.9	6631.7	7003.4	7105.1	6721.7	6530.0	6314.7	6271.8	6338.2
42.5°	6893.8	6882.1	6936.8	7144.2	7414.1	7343.8	7116.8	7003.4	6850.8	6764.7	6854.7
45°	7324.2	7304.6	7406.3	7547.2	7645.1	7512.0	7410.2	7371.2	7292.9	7199.0	7281.1
47.5°	7742.9	7727.2	7825.0	7864.1	7872.0	7695.9	7715.4	7785.8	7590.2	7394.7	7488.5
50°	8098.9	8071.5	8192.8	8278.8	8259.3	7977.6	8048.0	7977.6	7672.4	7441.6	7406.3
52.5°	8693.6	8705.3	8834.4	8991.0	8944.0	8709.2	8607.5	8286.6	7895.4	7688.0	7566.8
55°	9069.2	9010.5	9233.5	9730.3	9785.2	9542.6	9092.7	8619.3	8032.3	7778.0	7746.8
56°	8717.1	8791.4	9143.5	9699.1	9980.7	9757.7	9104.4	8537.0	7891.5	7547.2	7523.8
57.5°	7821.1	7781.9	8259.3	9018.3	9785.2	9691.3	8783.5	7950.2	7199.0	6811.6	6764.7
60°	4867.1	4980.6	5399.3	6338.2	7363.3	7410.2	6510.4	5794.4	4918.0	4573.7	4655.9
62.5°	1905.4	1807.6	2069.7	2770.0	3474.3	3630.8	3290.4	2734.9	2245.8	1905.4	1881.9
65°	442.1	430.3	485.1	669.1	935.1	1083.8	1029.0	739.5	543.9	516.5	477.3
67.5°	250.4	250.4	238.7	238.7	262.1	277.8	266.1	262.1	273.9	285.6	281.7
70°	176.1	172.2	164.4	168.3	160.4	160.4	172.2	191.7	207.3	207.3	211.3
72.5°	105.6	105.6	105.6	117.4	117.4	117.4	129.1	144.8	148.7	144.8	140.9
75°	47.0	47.0	54.8	66.5	74.3	78.2	90.0	97.8	105.6	97.8	90.0
77.5°	11.7	11.7	19.6	27.4	35.2	43.1	58.7	70.4	74.3	70.4	58.7
80°	3.9	3.9	7.8	19.6	35.2	43.1	58.7	62.6	66.5	58.7	47.0
82.5°	3.9	3.9	7.8	19.6	27.4	35.2	47.0	54.8	58.7	50.9	47.0
85°	0.0	3.9	7.8	15.7	23.5	31.3	31.3	23.5	19.6	11.7	15.7
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)