

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: P648586

Luminaire Tested: **GALN-SA8B-835-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648586
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-SA8B-835-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3500K, 800mA 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: 23250.4 lumens
Efficiency: N/A
Efficacy: 71.5 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

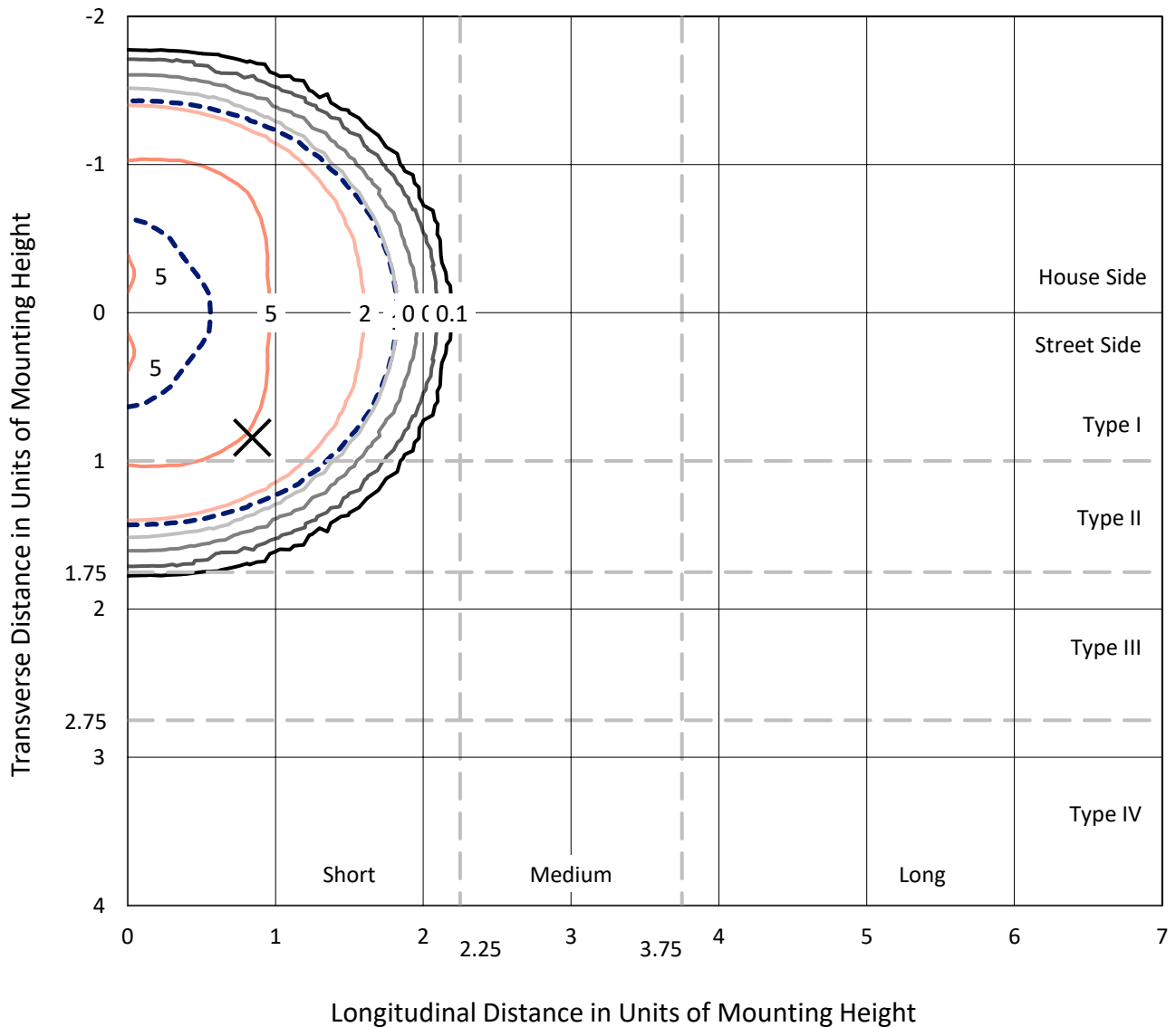
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

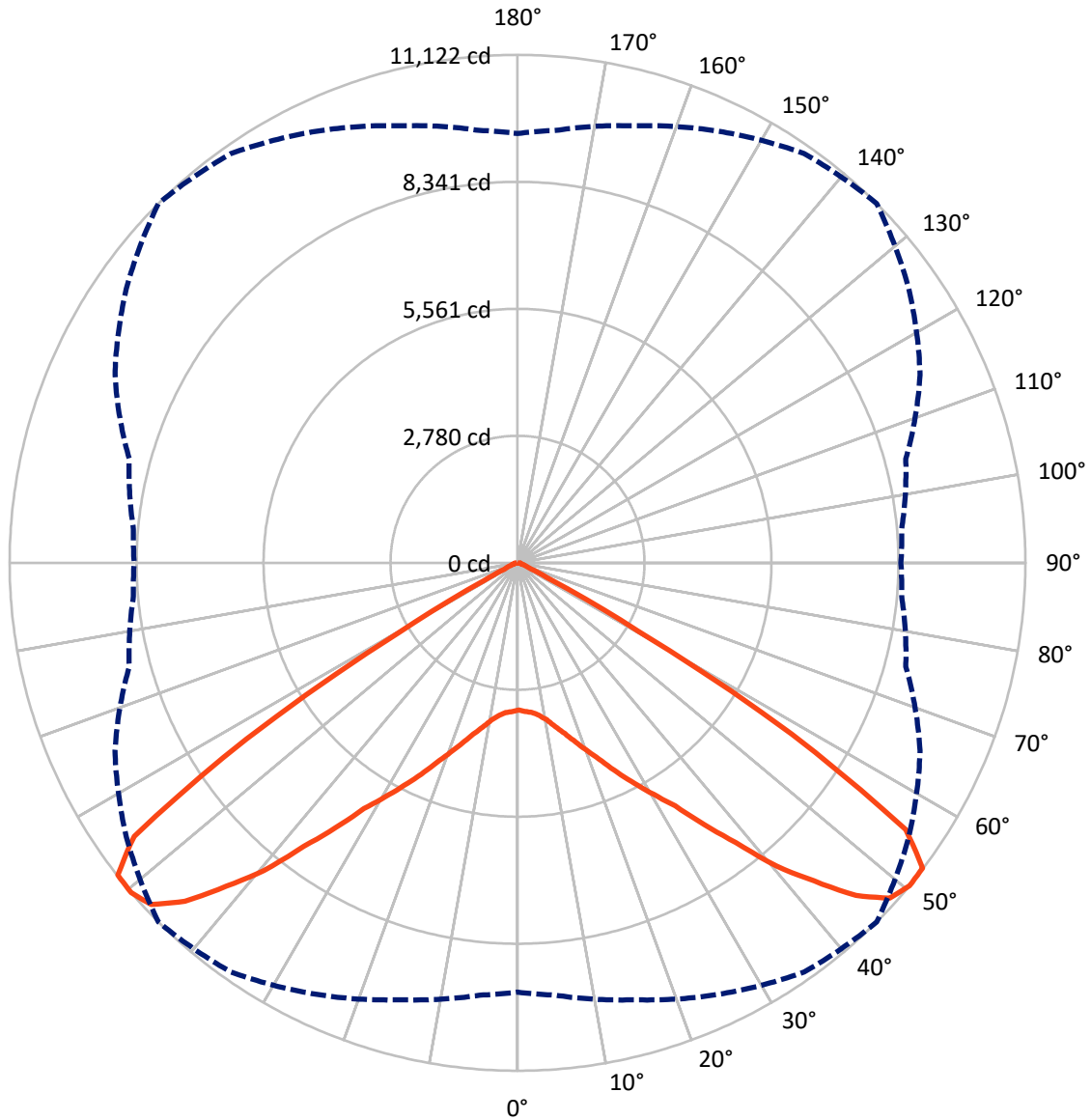
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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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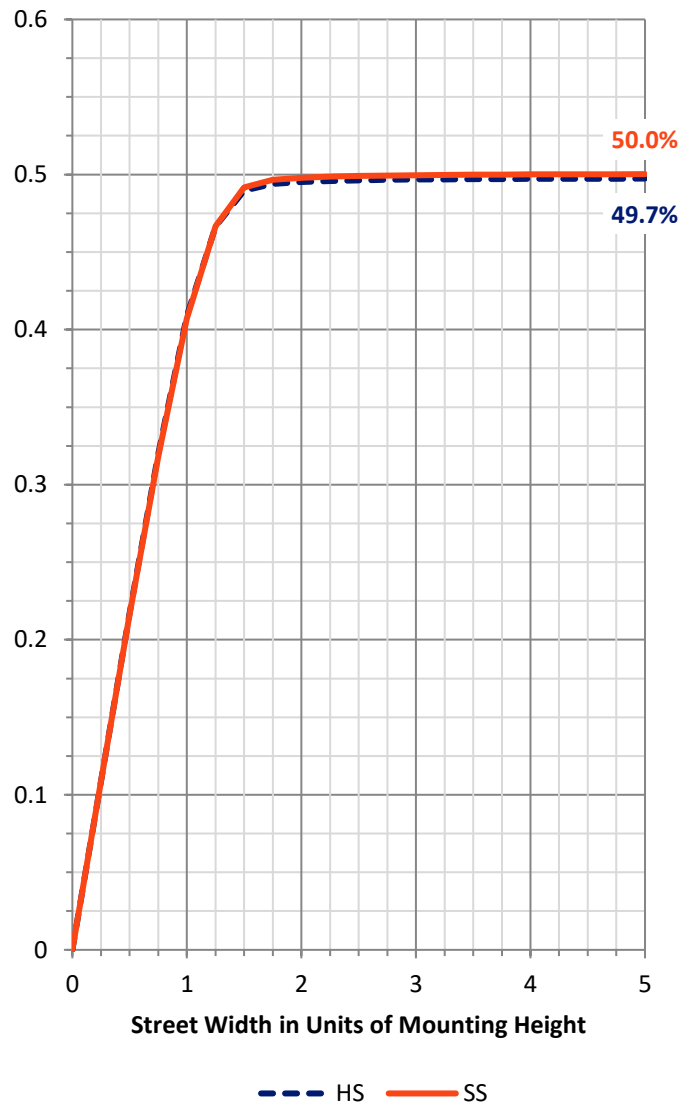
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11625.2	0.0	11625.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11625.2	0.0	11625.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	23250.4	0.0	23250.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.7	1.4
10°-20°	1105.2	4.8
20°-30°	2257.4	9.7
30°-40°	4304.8	18.5
40°-50°	7254.2	31.2
50°-60°	6918.2	29.8
60°-70°	965.7	4.2
70°-80°	92.4	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°	23250.4	100.0
0°-180°	23250.4	100.0

Coefficient of Utilization



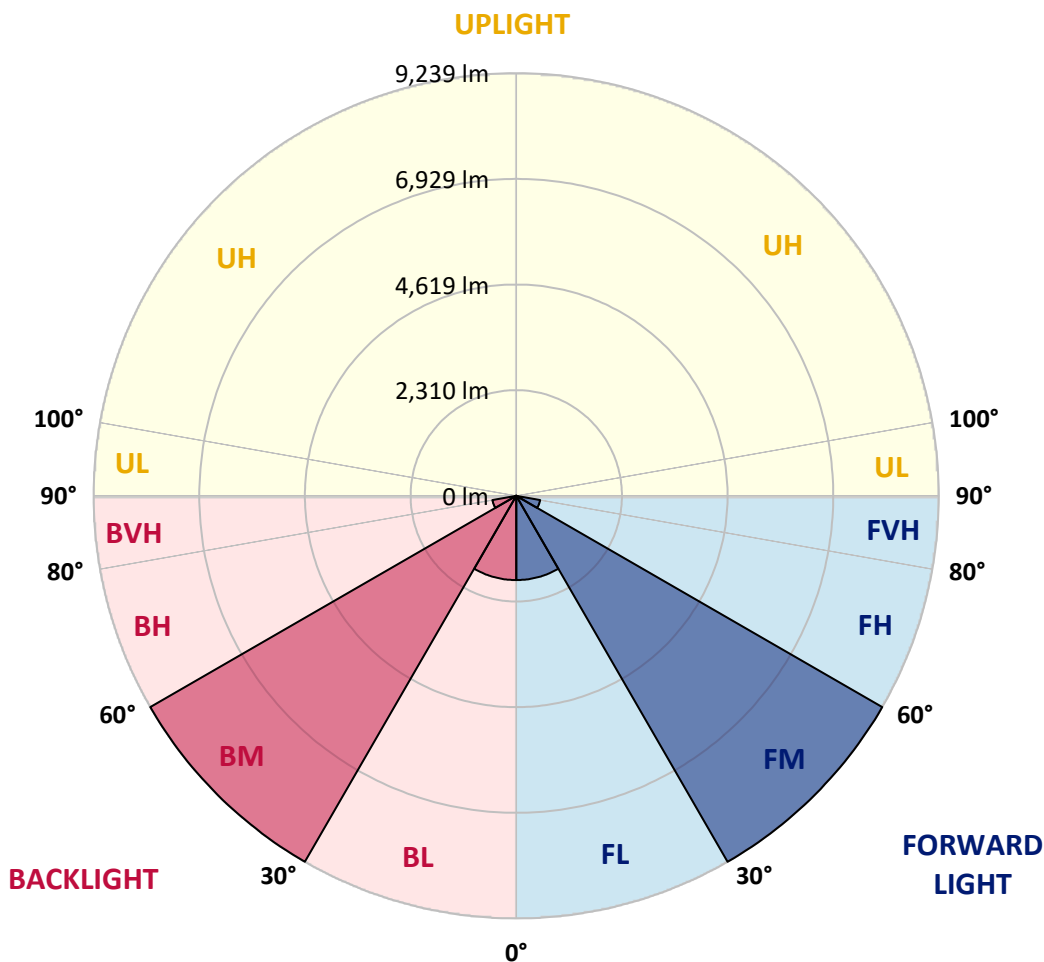
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1841.6	7.9			
FM (30°-60°)	9238.6	39.7			
FH (60°-80°)	529.1	2.3			G0/660
FVH (80°-90°)	16.0	0.1			G1/100
BL (0°-30°)	1841.6	7.9	B3/2500		
BM (30°-60°)	9238.6	39.7	B5		
BH (60°-80°)	529.1	2.3	B2/1000		G0/660
BVH (80°-90°)	16.0	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°	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4	3223.4
2.5°	3211.7	3211.7	3207.8	3239.0	3223.4	3258.6	3254.7	3266.4	3278.2	3274.3	3305.6
5°	3184.3	3180.4	3180.4	3215.6	3250.8	3289.9	3325.1	3348.6	3387.7	3387.7	3426.8
7.5°	3211.7	3192.1	3219.5	3235.1	3301.7	3368.2	3426.8	3473.8	3563.7	3595.1	3583.3
10°	3219.5	3243.0	3262.5	3309.5	3391.6	3493.4	3544.2	3661.5	3763.3	3833.6	3849.3
12.5°	3270.4	3305.6	3360.3	3473.8	3548.1	3681.1	3751.5	3865.0	4005.8	4084.0	4138.8
15°	3368.2	3379.9	3450.3	3595.1	3755.4	3876.7	3986.3	4068.4	4205.3	4295.3	4299.2
17.5°	3493.4	3544.2	3642.0	3778.9	3947.1	4127.0	4213.1	4303.1	4353.9	4475.2	4502.6
20°	3743.7	3751.5	3845.4	4025.3	4236.6	4400.9	4463.5	4510.4	4490.9	4616.0	4639.5
22.5°	3978.4	3986.3	4103.6	4346.1	4573.0	4713.8	4741.2	4713.8	4655.2	4745.1	4753.0
25°	4217.0	4287.5	4373.5	4616.0	4897.7	5085.5	5089.4	5015.0	4893.8	4909.4	4948.6
27.5°	4588.7	4639.5	4729.5	4952.5	5261.5	5472.8	5437.5	5347.6	5191.1	5202.8	5191.1
30°	5022.9	5069.8	5144.2	5429.7	5656.6	5887.5	5938.3	5852.2	5617.5	5566.7	5625.3
32.5°	5547.1	5613.6	5750.5	6012.6	6204.3	6345.1	6380.4	6349.0	6130.0	6110.4	6149.5
35°	6184.8	6274.7	6399.9	6630.7	6787.1	7041.4	7041.4	6935.8	6736.3	6759.8	6755.9
37.5°	6857.6	6990.5	7186.1	7420.9	7632.1	7769.1	7726.0	7636.1	7436.5	7385.6	7436.5
40°	7702.5	7769.1	8015.5	8320.6	8578.8	8735.3	8551.5	8355.9	7878.5	7952.9	8089.8
42.5°	8473.2	8578.8	8766.6	9103.0	9396.4	9525.5	9306.4	8919.2	8344.1	8285.4	8387.1
45°	9130.4	9243.9	9490.3	9971.4	10280.5	10393.9	9908.9	9282.9	8625.8	8477.1	8520.1
47.5°	9568.5	9627.2	9971.4	10429.2	10710.8	10969.0	10272.6	9533.3	8758.8	8477.1	8461.5
50°	9400.3	9502.0	9905.0	10425.3	10937.7	11121.6	10456.5	9725.0	8801.8	8441.9	8394.9
52.5°	8348.0	8524.1	8973.9	9674.1	10448.7	11105.9	10710.8	9662.4	8786.1	8477.1	8547.5
55°	5809.2	5813.1	6360.8	7393.5	8762.7	10311.8	10339.2	9732.8	8887.8	8696.2	8700.1
57.5°	2335.4	2452.7	2871.3	3908.0	5171.6	7080.6	8418.4	9028.7	8899.6	8852.7	8973.9
60°	590.7	594.6	723.7	1103.2	1819.1	3035.6	4408.8	5965.7	6869.3	7178.4	7221.4
62.5°	301.2	305.1	336.5	391.2	496.8	813.7	1447.4	2296.3	3266.4	3759.3	3888.5
65°	246.5	246.5	266.0	293.4	297.3	313.0	375.5	536.0	778.5	884.1	895.8
67.5°	187.8	187.8	203.4	219.1	226.9	223.0	215.2	223.0	269.9	258.2	250.3
70°	117.4	121.3	129.1	144.8	152.5	156.4	160.4	168.2	191.7	199.5	191.7
72.5°	70.4	70.4	74.3	86.1	97.8	105.6	117.4	125.2	136.9	156.4	152.5
75°	31.3	31.3	39.2	50.8	62.6	74.3	86.1	97.8	105.6	117.4	121.3
77.5°	7.8	11.7	19.6	35.2	47.0	62.6	78.2	90.0	97.8	97.8	93.9
80°	3.9	3.9	15.7	27.4	50.8	66.5	86.1	93.9	105.6	97.8	86.1
82.5°	3.9	3.9	15.7	27.4	47.0	66.5	90.0	101.7	109.5	97.8	82.1
85°	0.0	3.9	11.7	23.5	39.2	47.0	39.2	27.4	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)