

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: P648521

Luminaire Tested: **GALN-SA7B-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648521
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21318.7 lumens
Efficiency: N/A
Efficacy: 74.5 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

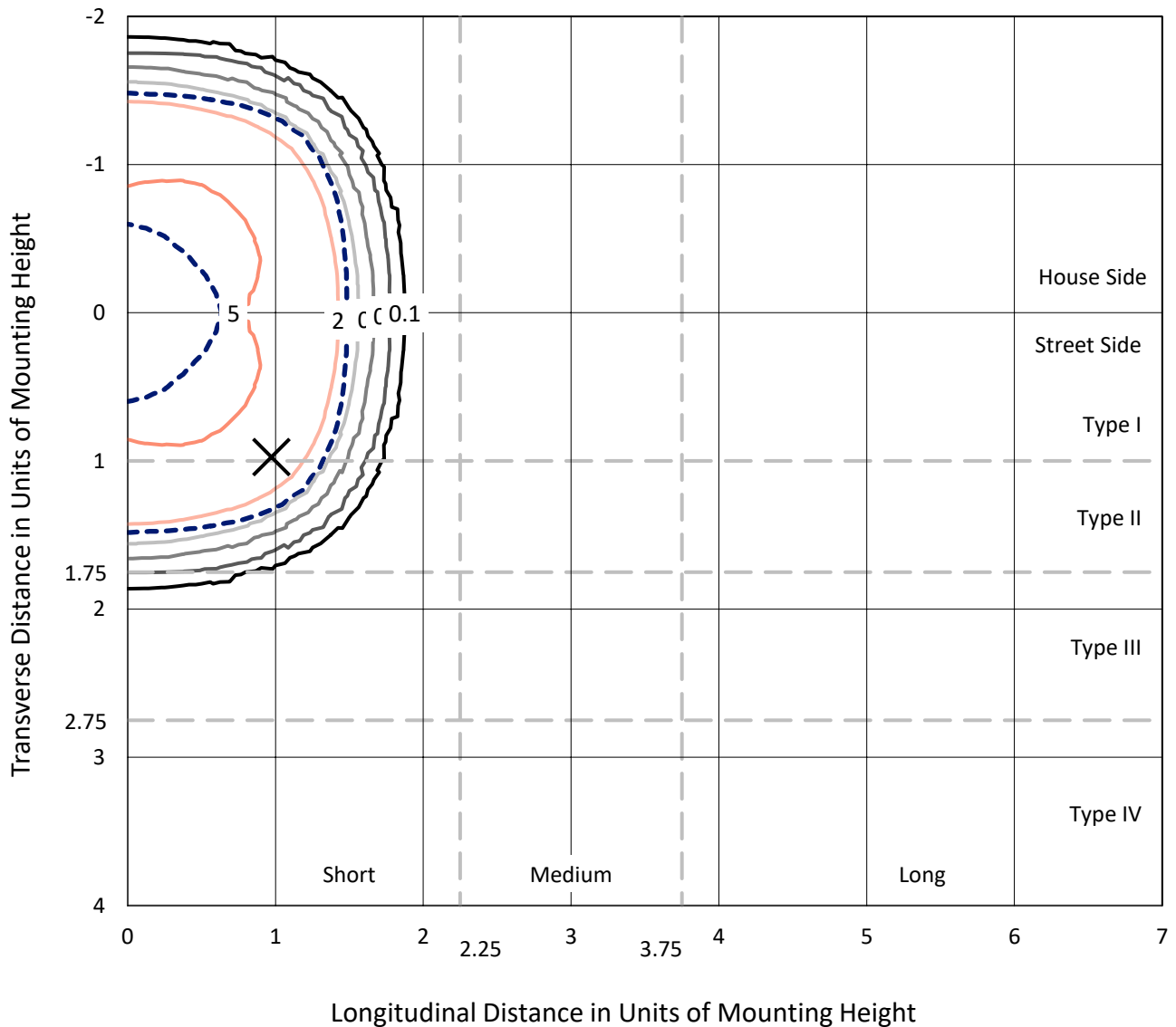
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

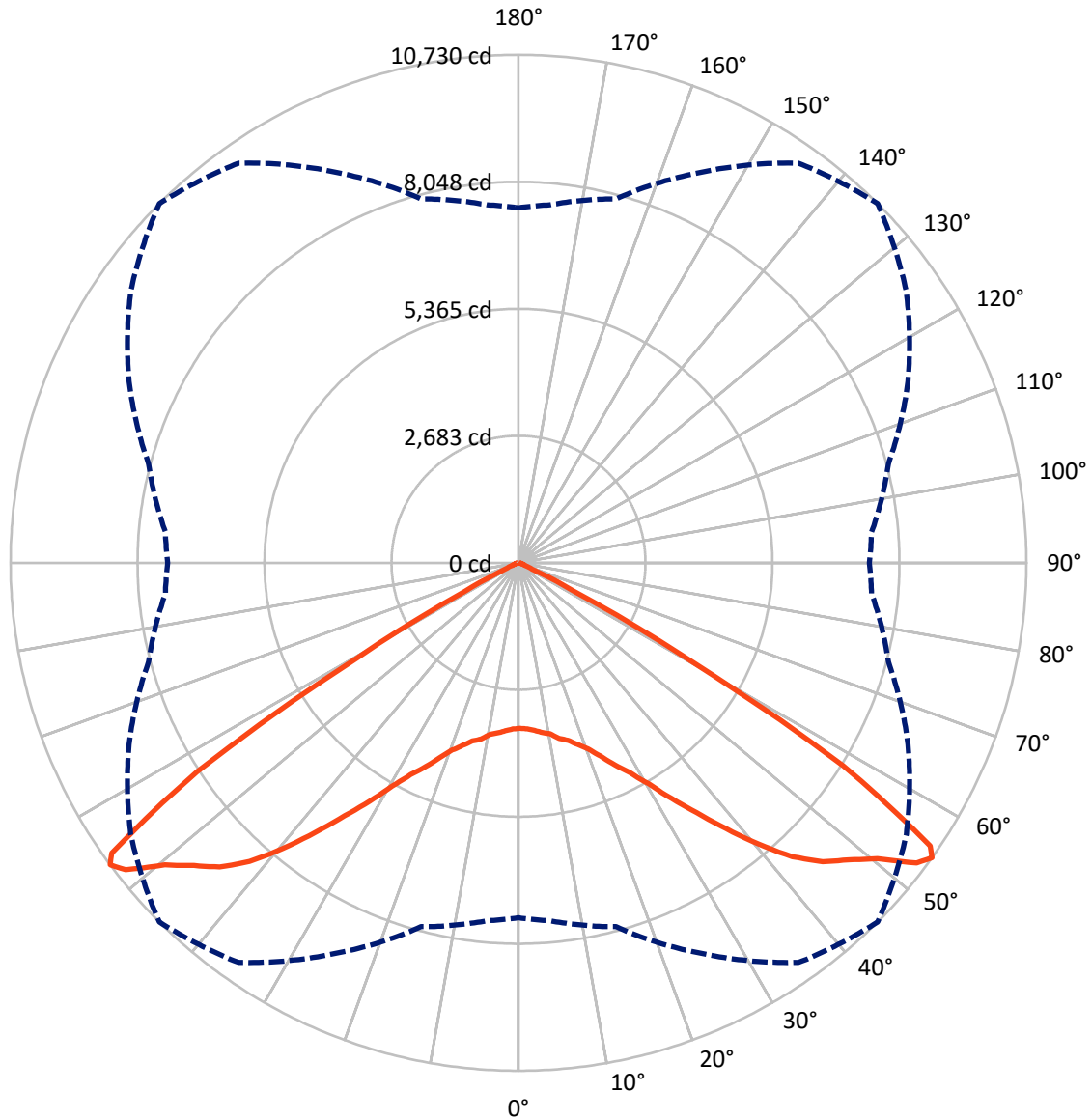
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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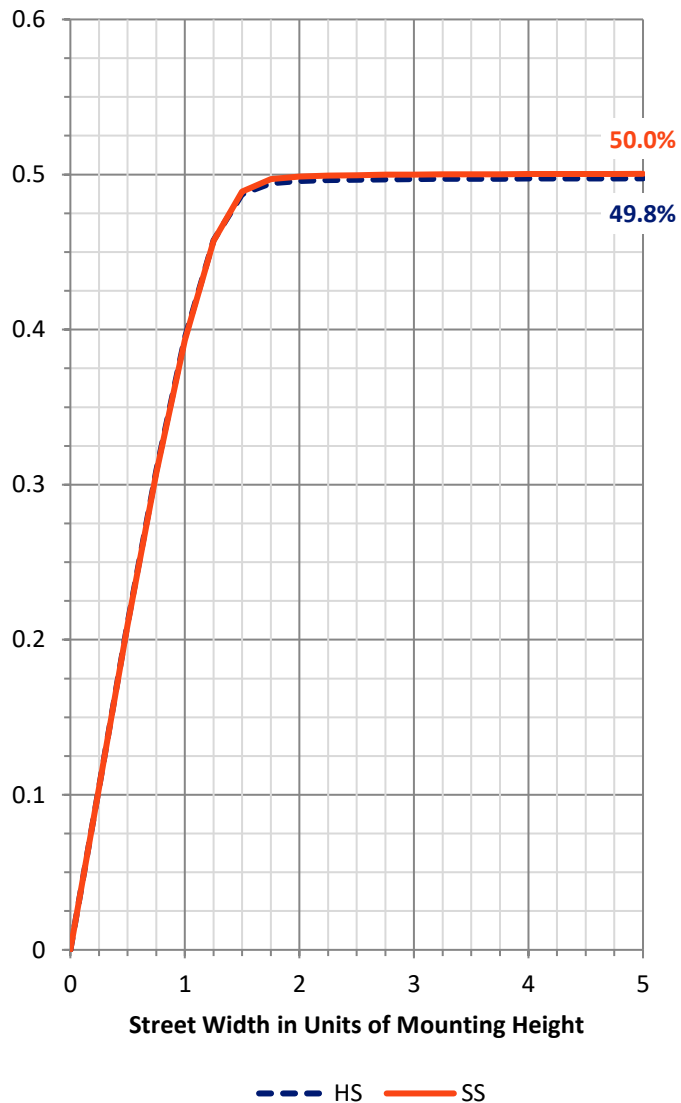
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10659.4	0.0	10659.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10659.4	0.0	10659.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	21318.7	0.0	21318.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.1	1.6
10°-20°	1108.0	5.2
20°-30°	2171.6	10.2
30°-40°	3904.9	18.3
40°-50°	6684.5	31.4
50°-60°	6467.8	30.3
60°-70°	553.7	2.6
70°-80°	65.6	0.3
80°-90°	20.6	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°	21318.7	100.0
0°-180°	21318.7	100.0

Coefficient of Utilization

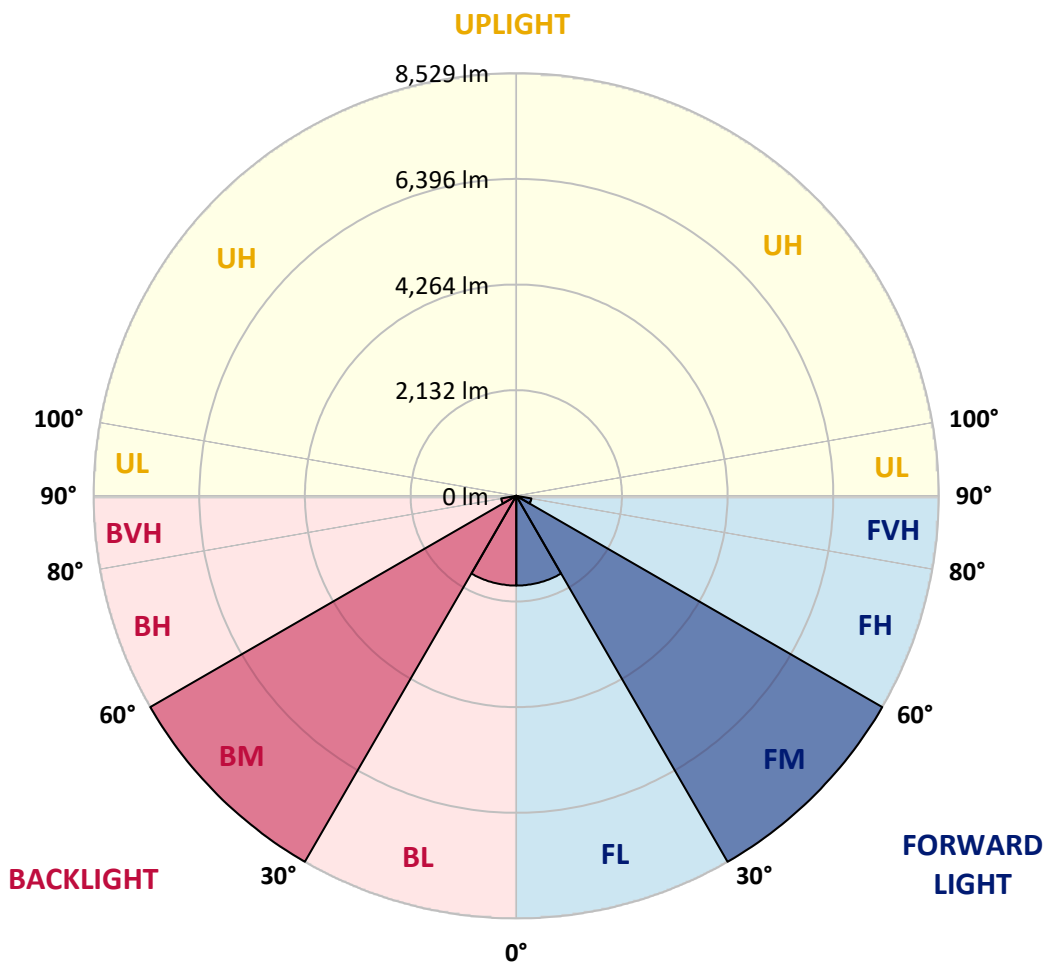


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1810.8	8.5			
FM (30°-60°)	8528.6	40.0			
FH (60°-80°)	309.6	1.5			G0/660
FVH (80°-90°)	10.3	0.0			G1/100
BL (0°-30°)	1810.8	8.5	B3/2500		
BM (30°-60°)	8528.6	40.0	B5		
BH (60°-80°)	309.6	1.5	B1/500		G0/660
BVH (80°-90°)	10.3	0.0			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°	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6	3495.6
2.5°	3512.5	3532.7	3519.3	3529.4	3529.4	3512.5	3522.6	3482.1	3509.1	3488.9	3492.3
5°	3566.6	3563.1	3563.1	3566.6	3553.0	3559.8	3546.3	3532.7	3522.6	3509.1	3549.7
7.5°	3634.1	3634.1	3610.4	3617.2	3610.4	3620.6	3593.6	3566.6	3556.4	3546.3	3539.6
10°	3698.3	3691.5	3681.4	3711.7	3688.1	3674.6	3661.1	3644.2	3607.0	3593.6	3580.0
12.5°	3792.9	3789.4	3775.9	3806.3	3792.9	3806.3	3755.7	3711.7	3705.0	3661.1	3684.7
15°	3904.3	3934.7	3911.0	3911.0	3904.3	3887.4	3867.2	3846.9	3786.0	3769.2	3772.6
17.5°	4049.5	4039.3	4042.8	4042.8	4076.5	4032.6	3992.1	3941.4	3911.0	3900.9	3867.2
20°	4188.0	4201.5	4198.1	4221.8	4242.0	4194.8	4150.8	4144.1	4059.6	4073.2	4025.9
22.5°	4431.2	4421.1	4437.9	4454.8	4441.3	4434.5	4394.0	4343.3	4269.1	4235.2	4228.5
25°	4687.8	4670.9	4640.5	4681.1	4701.4	4731.7	4654.1	4627.1	4512.2	4461.5	4464.9
27.5°	4907.4	4931.0	4964.8	4981.7	5032.3	5022.2	4968.1	4880.4	4792.5	4735.1	4698.0
30°	5208.0	5221.4	5278.9	5302.6	5390.3	5414.0	5329.6	5228.2	5072.8	4998.5	4954.7
32.5°	5484.9	5579.5	5576.1	5694.3	5836.2	5934.1	5782.1	5626.7	5471.4	5383.6	5305.9
35°	5934.1	5917.2	6015.2	6140.1	6369.8	6481.2	6315.8	6136.8	5900.3	5758.5	5697.7
37.5°	6352.9	6359.7	6491.4	6690.7	6954.1	7126.3	6981.1	6687.3	6444.1	6261.7	6177.2
40°	6960.8	6974.3	7109.4	7335.7	7632.9	7818.6	7649.8	7352.6	7028.4	6886.5	6886.5
42.5°	7673.5	7730.9	7818.6	8014.6	8281.4	8487.4	8335.4	8102.4	7774.8	7592.4	7619.5
45°	8406.4	8433.4	8490.8	8781.3	8906.2	9007.6	8865.7	8757.6	8538.1	8315.1	8278.0
47.5°	9092.0	9102.1	9271.0	9362.2	9460.1	9375.6	9466.9	9325.0	9078.4	8862.3	8818.4
50°	9395.9	9379.0	9618.8	9895.8	9970.1	9821.5	9743.8	9649.2	9274.3	9014.3	8899.4
52.5°	8511.1	8609.0	9054.8	9824.8	10405.8	10530.7	10078.1	9642.5	8943.3	8436.7	8359.1
54°	7497.9	7589.0	7957.2	9098.7	10307.8	10730.0	10000.5	9075.0	8088.9	7487.7	7410.0
55°	6494.8	6393.4	7062.1	8227.4	9848.5	10554.4	9693.1	8342.2	7214.1	6663.6	6555.5
57.5°	3515.9	3532.7	4096.8	5197.8	6920.3	8092.2	7146.6	5643.6	4262.3	3644.2	3590.2
60°	1114.5	1141.5	1388.1	2100.7	3306.5	3948.2	3384.1	2266.2	1567.1	1256.4	1205.7
62.5°	347.9	361.4	395.2	587.6	905.1	1293.5	1013.2	607.9	452.6	415.4	422.2
65°	212.7	212.7	216.2	229.7	270.2	314.1	304.0	266.8	256.7	249.9	246.6
67.5°	138.4	135.1	141.9	152.0	158.7	162.1	172.3	182.4	179.0	172.3	172.3
70°	84.4	81.0	87.8	101.3	104.7	111.4	121.6	135.1	131.7	125.0	128.3
72.5°	47.3	47.3	50.7	60.8	70.9	77.7	87.8	98.0	101.3	98.0	98.0
75°	16.9	20.3	27.0	37.1	43.9	54.0	64.2	74.3	84.4	77.7	74.3
77.5°	6.7	6.7	13.5	23.6	33.7	43.9	60.8	70.9	77.7	70.9	64.2
80°	3.4	3.4	10.1	20.3	30.4	40.6	50.7	60.8	64.2	57.4	50.7
82.5°	3.4	3.4	10.1	20.3	30.4	37.1	54.0	60.8	67.6	60.8	50.7
85°	0.0	3.4	10.1	20.3	27.0	30.4	30.4	20.3	16.9	10.1	10.1
87.5°	0.0	0.0	3.4	0.0	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)