

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: P648576

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648576
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-SA8B-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 24715.4 lumens
Efficiency: N/A
Efficacy: 76.0 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

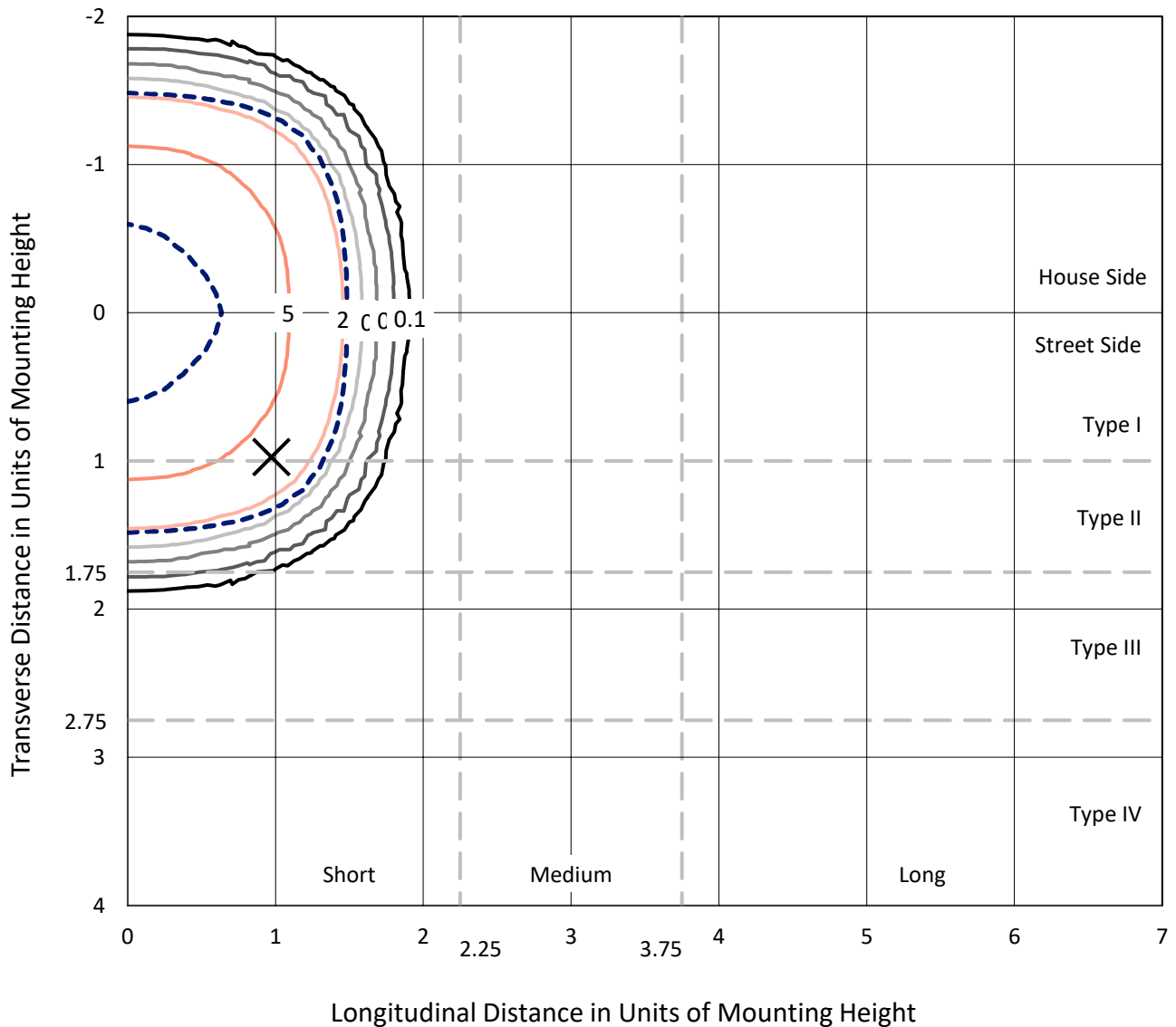
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

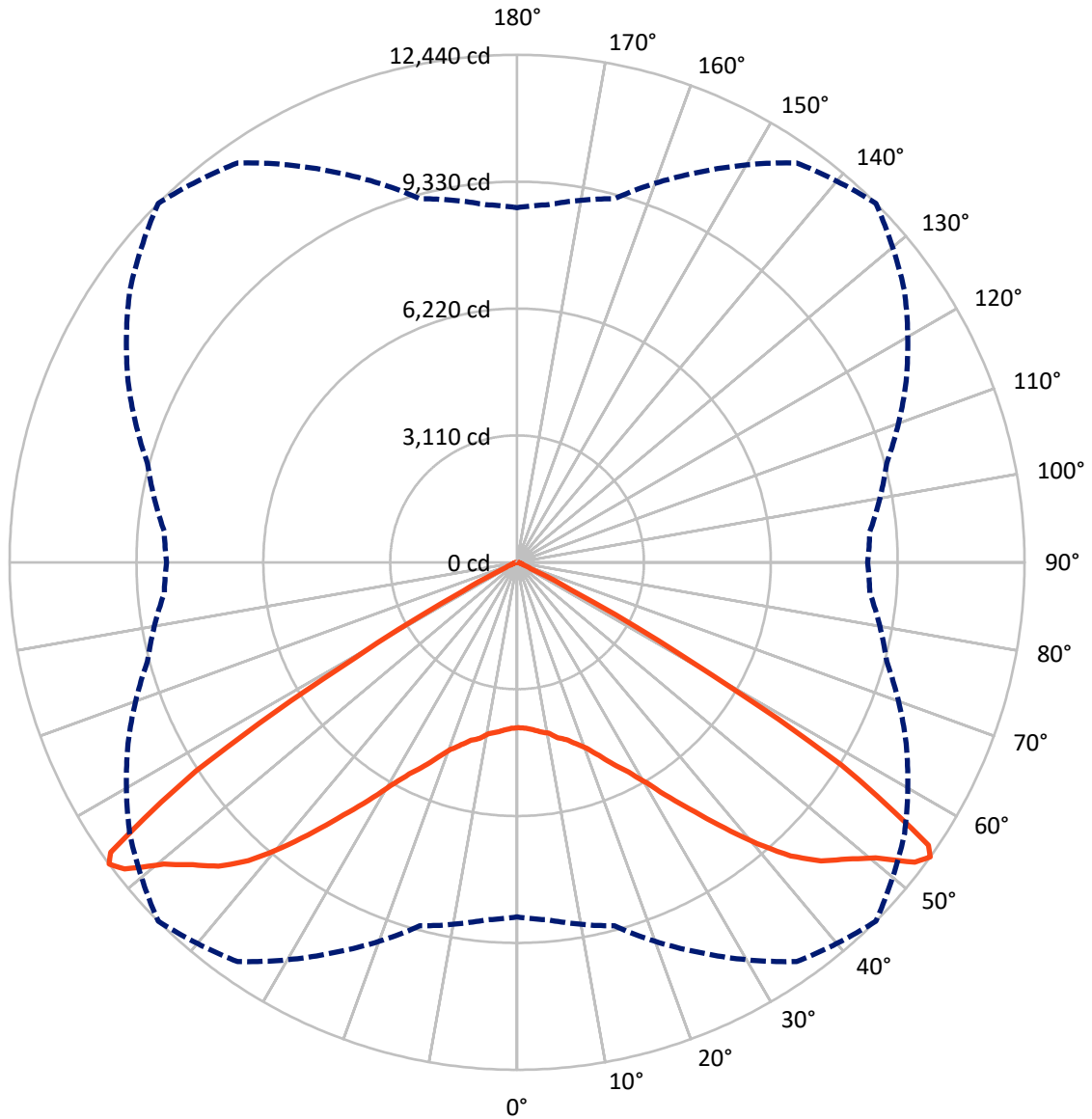
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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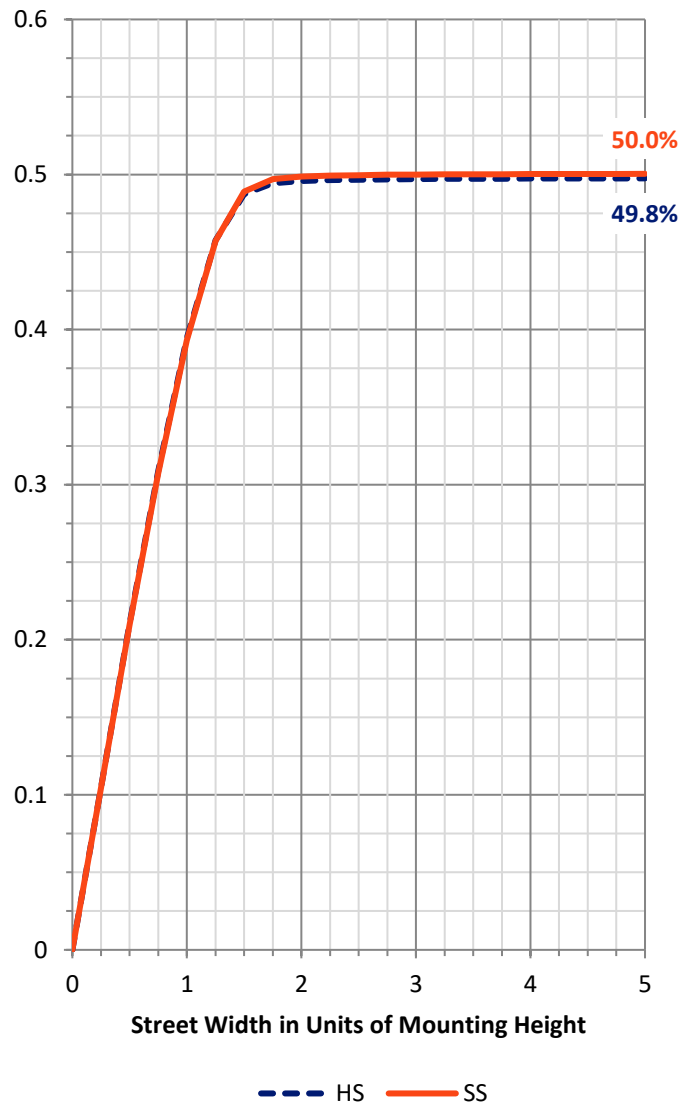
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12357.7	0.0	12357.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12357.7	0.0	12357.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	24715.4	0.0	24715.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.6	1.6
10°-20°	1284.5	5.2
20°-30°	2517.5	10.2
30°-40°	4527.1	18.3
40°-50°	7749.5	31.4
50°-60°	7498.3	30.3
60°-70°	641.9	2.6
70°-80°	76.1	0.3
80°-90°	23.9	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°	24715.4	100.0
0°-180°	24715.4	100.0

Coefficient of Utilization

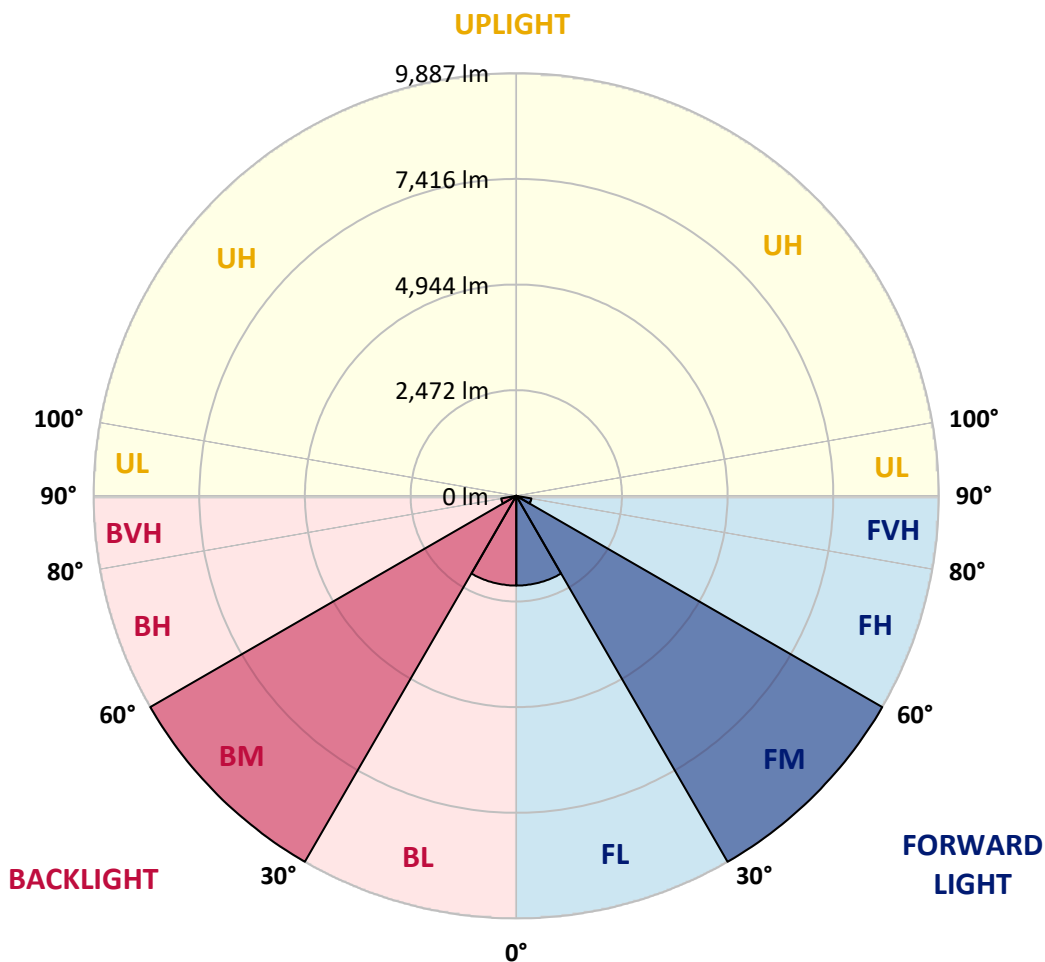


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2099.3	8.5			
FM (30°-60°)	9887.4	40.0			
FH (60°-80°)	359.0	1.5			G0/660
FVH (80°-90°)	11.9	0.0			G1/100
BL (0°-30°)	2099.3	8.5	B3/2500		
BM (30°-60°)	9887.4	40.0	B5		
BH (60°-80°)	359.0	1.5	B1/500		G0/660
BVH (80°-90°)	11.9	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°	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6	4052.6
2.5°	4072.1	4095.6	4080.0	4091.7	4091.7	4072.1	4083.9	4036.9	4068.2	4044.7	4048.7
5°	4134.8	4130.9	4130.9	4134.8	4119.1	4127.0	4111.3	4095.6	4083.9	4068.2	4115.2
7.5°	4213.1	4213.1	4185.7	4193.5	4185.7	4197.4	4166.1	4134.8	4123.0	4111.3	4103.5
10°	4287.5	4279.6	4267.9	4303.1	4275.7	4260.1	4244.4	4224.8	4181.8	4166.1	4150.4
12.5°	4397.1	4393.2	4377.5	4412.8	4397.1	4412.8	4354.0	4303.1	4295.3	4244.4	4271.8
15°	4526.4	4561.6	4534.2	4534.2	4526.4	4506.8	4483.2	4459.7	4389.3	4369.7	4373.6
17.5°	4694.7	4683.0	4686.9	4686.9	4726.0	4675.1	4628.2	4569.4	4534.2	4522.5	4483.2
20°	4855.2	4870.9	4867.0	4894.4	4917.9	4863.1	4812.2	4804.3	4706.5	4722.1	4667.3
22.5°	5137.2	5125.4	5145.0	5164.6	5148.9	5141.1	5094.1	5035.3	4949.2	4910.0	4902.2
25°	5434.7	5415.1	5379.9	5426.9	5450.4	5485.6	5395.6	5364.3	5231.1	5172.4	5176.3
27.5°	5689.2	5716.7	5755.8	5775.4	5834.1	5822.4	5759.7	5657.9	5556.1	5489.5	5446.5
30°	6037.7	6053.4	6119.9	6147.3	6249.1	6276.5	6178.7	6061.2	5881.1	5795.0	5744.1
32.5°	6358.8	6468.4	6464.5	6601.6	6766.0	6879.5	6703.3	6523.3	6343.2	6241.3	6151.2
35°	6879.5	6859.9	6973.6	7118.4	7384.6	7513.9	7322.0	7114.5	6840.4	6675.9	6605.5
37.5°	7365.1	7372.9	7525.6	7756.6	8062.0	8261.7	8093.4	7752.7	7470.8	7259.3	7161.5
40°	8069.8	8085.5	8242.2	8504.5	8849.1	9064.4	8868.6	8524.1	8148.2	7983.7	7983.7
42.5°	8896.1	8962.6	9064.4	9291.5	9600.8	9839.6	9663.5	9393.3	9013.5	8802.1	8833.4
45°	9745.7	9777.0	9843.6	10180.3	10325.2	10442.6	10278.2	10152.9	9898.5	9640.0	9596.9
47.5°	10540.6	10552.3	10748.1	10853.8	10967.3	10869.4	10975.2	10810.7	10524.9	10274.3	10223.4
50°	10892.9	10873.4	11151.4	11472.4	11558.6	11386.3	11296.3	11186.6	10752.0	10450.5	10317.4
52.5°	9867.1	9980.7	10497.5	11390.2	12063.7	12208.5	11683.9	11178.8	10368.3	9780.9	9690.9
54°	8692.5	8798.2	9224.9	10548.4	11950.1	12439.6	11593.8	10521.0	9377.7	8680.7	8590.6
55°	7529.6	7412.0	8187.4	9538.2	11417.6	12235.9	11237.5	9671.3	8363.5	7725.3	7600.0
57.5°	4076.1	4095.6	4749.5	6026.0	8022.9	9381.6	8285.2	6542.8	4941.4	4224.8	4162.2
60°	1292.1	1323.4	1609.3	2435.4	3833.3	4577.3	3923.4	2627.3	1816.8	1456.5	1397.8
62.5°	403.3	419.0	458.1	681.3	1049.4	1499.7	1174.7	704.8	524.7	481.6	489.5
65°	246.6	246.6	250.6	266.2	313.3	364.2	352.4	309.4	297.5	289.7	285.8
67.5°	160.5	156.6	164.4	176.2	184.0	187.9	199.7	211.4	207.5	199.7	199.7
70°	97.9	94.0	101.8	117.4	121.4	129.2	140.9	156.6	152.7	144.9	148.8
72.5°	54.8	54.8	58.7	70.5	82.2	90.0	101.8	113.5	117.4	113.5	113.5
75°	19.6	23.5	31.3	43.1	50.9	62.6	74.4	86.1	97.9	90.0	86.1
77.5°	7.8	7.8	15.7	27.4	39.2	50.9	70.5	82.2	90.0	82.2	74.4
80°	3.9	3.9	11.7	23.5	35.2	47.0	58.7	70.5	74.4	66.6	58.7
82.5°	3.9	3.9	11.7	23.5	35.2	43.1	62.6	70.5	78.3	70.5	58.7
85°	0.0	3.9	11.7	23.5	31.3	35.2	35.2	23.5	19.6	11.7	11.7
87.5°	0.0	0.0	3.9	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)