

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: P647035

Luminaire Tested: **GALN-SA7C-835-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P647035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-835-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40214.1 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

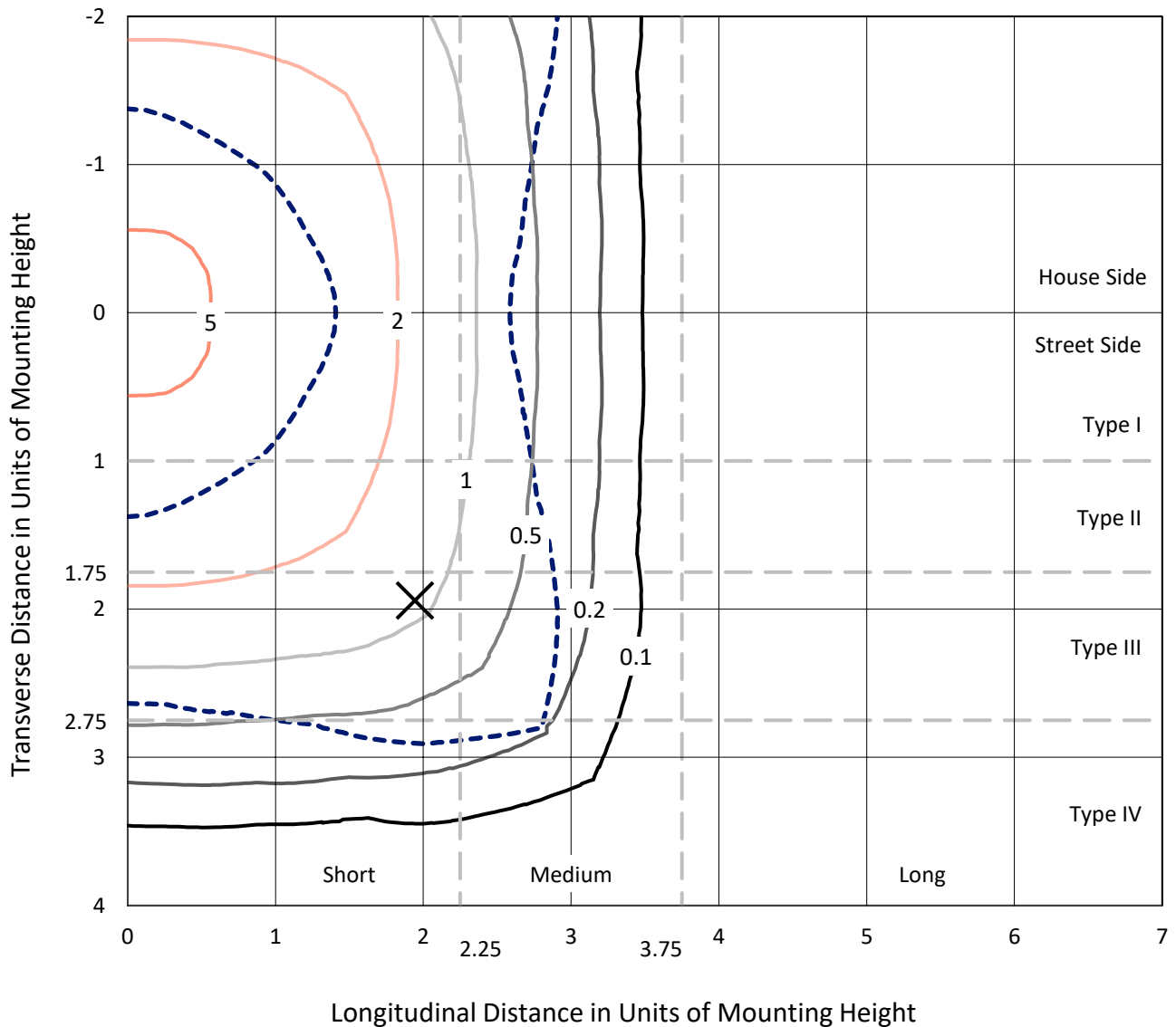
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

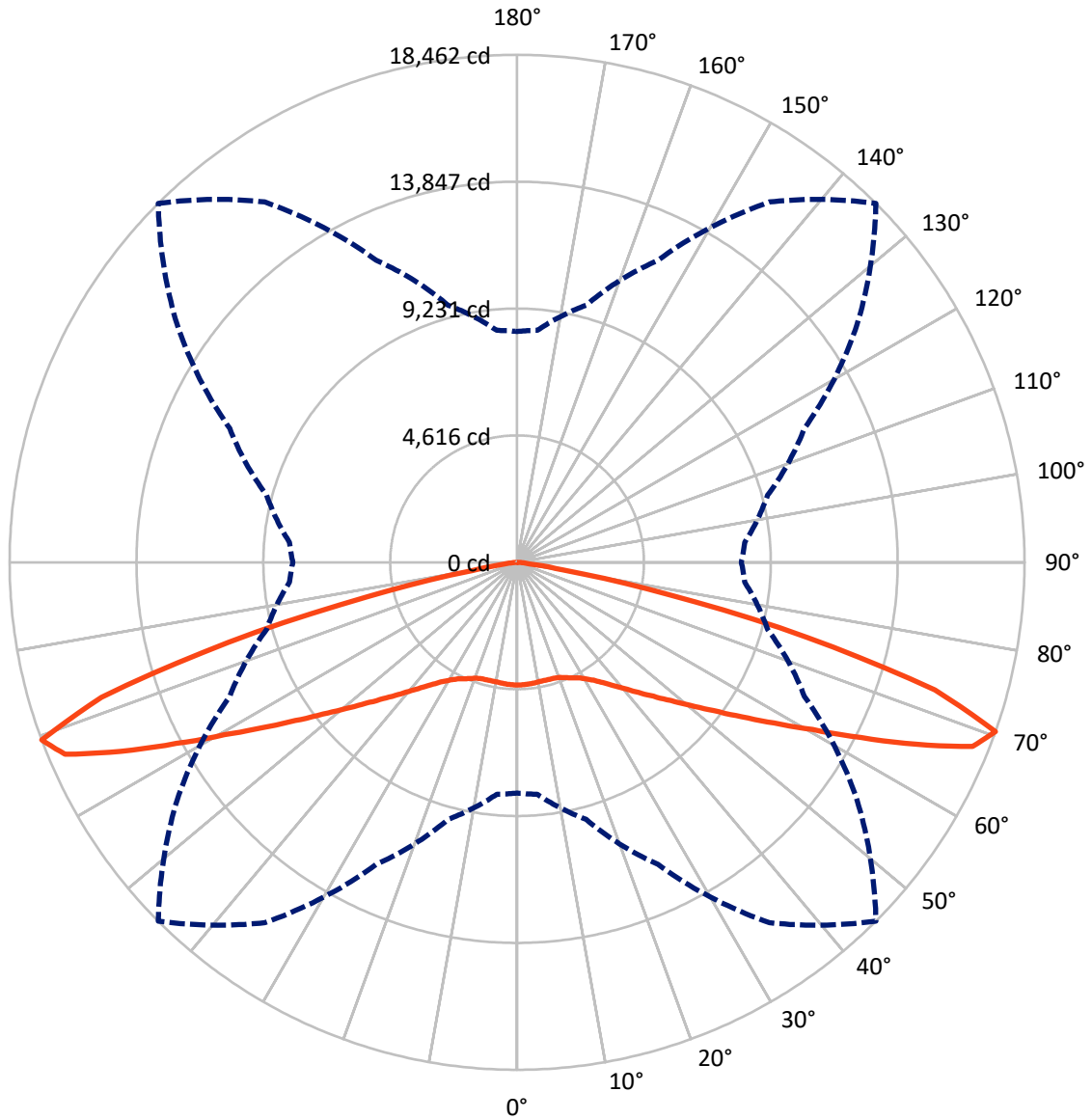
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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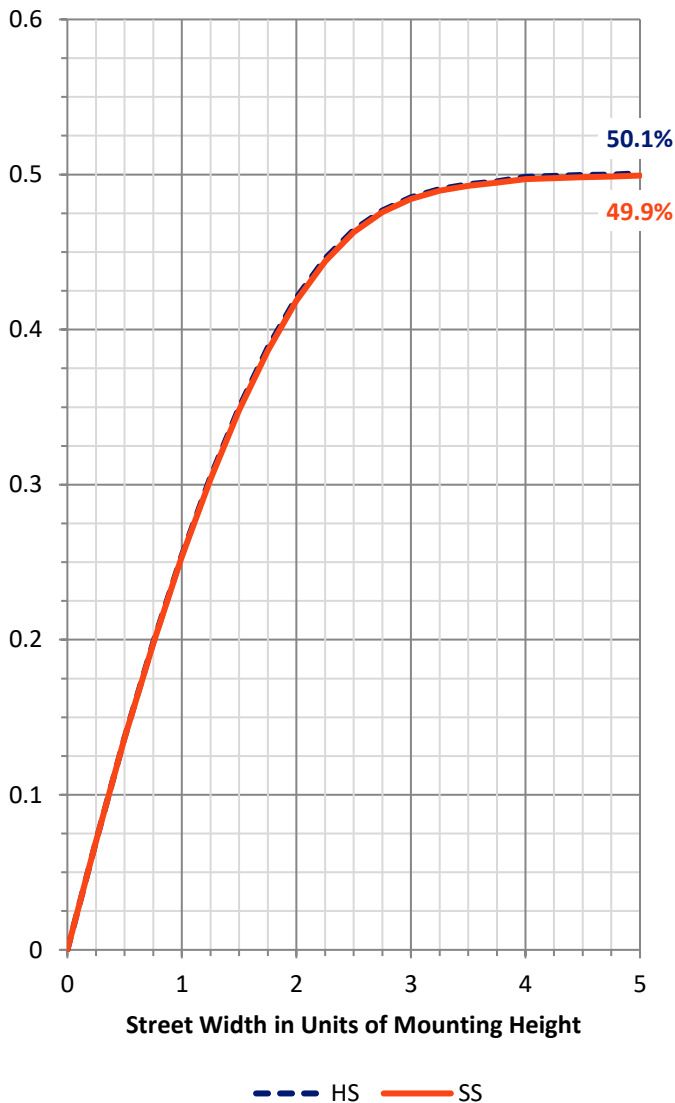
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20107.0	0.0	20107.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20107.0	0.0	20107.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40214.1	0.0	40214.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.5	1.1
10°-20°	1242.6	3.1
20°-30°	2125.3	5.3
30°-40°	3373.3	8.4
40°-50°	5442.0	13.5
50°-60°	8854.2	22.0
60°-70°	12835.4	31.9
70°-80°	5693.3	14.2
80°-90°	224.6	0.6
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°	40214.1	100.0
0°-180°	40214.1	100.0

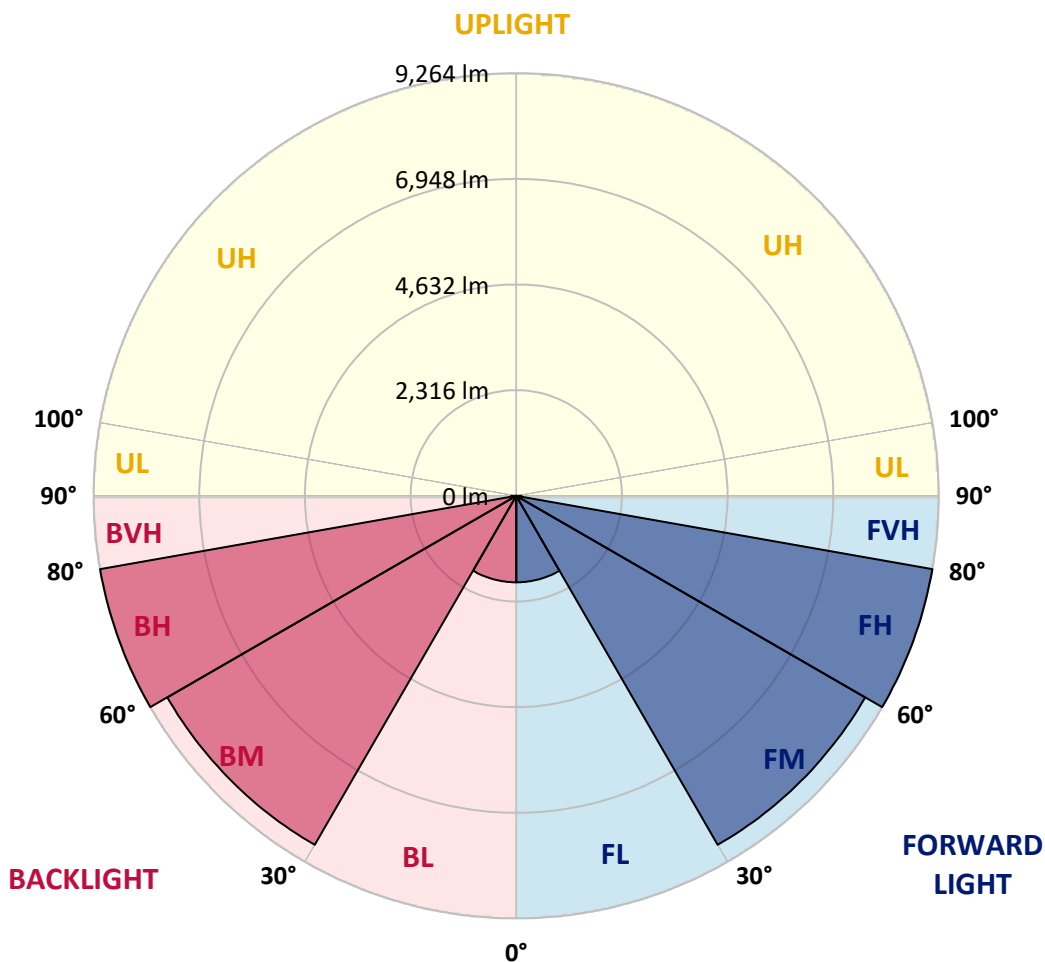


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1895.7	4.7			
FM (30°-60°)	8834.7	22.0			
FH (60°-80°)	9264.4	23.0			G4/12000
FVH (80°-90°)	112.3	0.3			G2/225
BL (0°-30°)	1895.7	4.7	B3/2500		
BM (30°-60°)	8834.7	22.0	B5		
BH (60°-80°)	9264.4	23.0	B5		G4/12000
BVH (80°-90°)	112.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6	4465.6
2.5°	4465.6	4469.8	4463.5	4459.3	4457.1	4457.1	4455.0	4457.1	4469.8	4471.9	4465.6
5°	4452.8	4457.1	4455.0	4450.7	4448.6	4448.6	4446.5	4444.4	4455.0	4459.3	4457.1
7.5°	4435.9	4438.0	4435.9	4433.8	4435.9	4433.8	4427.5	4423.2	4431.7	4431.7	4429.6
10°	4406.3	4410.5	4408.4	4410.5	4414.7	4414.7	4406.3	4397.8	4399.9	4395.7	4395.7
12.5°	4370.2	4376.6	4378.7	4387.1	4397.8	4410.5	4391.4	4372.4	4368.1	4366.0	4363.8
15°	4346.9	4353.2	4361.7	4370.2	4389.3	4416.8	4389.3	4359.6	4351.1	4342.7	4338.4
17.5°	4340.6	4349.0	4361.7	4374.5	4399.9	4427.5	4404.1	4374.5	4353.2	4340.6	4336.3
20°	4357.5	4363.8	4382.9	4406.3	4442.3	4469.8	4446.5	4414.7	4382.9	4363.8	4357.5
22.5°	4391.4	4402.0	4425.3	4467.7	4518.5	4558.9	4527.1	4474.1	4423.2	4397.8	4389.3
25°	4465.6	4474.1	4501.6	4558.9	4618.2	4656.3	4622.4	4561.0	4491.1	4457.1	4446.5
27.5°	4577.9	4590.7	4620.3	4688.1	4736.8	4758.1	4734.7	4692.4	4641.5	4605.4	4597.0
30°	4736.8	4751.7	4796.2	4868.3	4900.1	4912.8	4902.2	4874.6	4838.6	4800.4	4792.0
32.5°	4950.9	4959.4	5010.3	5078.1	5107.7	5112.0	5099.3	5086.6	5027.3	4963.7	4959.4
35°	5190.4	5205.2	5266.7	5347.3	5374.8	5376.9	5351.5	5332.4	5262.5	5211.6	5211.6
37.5°	5508.3	5514.7	5574.0	5665.2	5694.8	5686.4	5673.6	5656.7	5582.5	5516.8	5518.9
40°	5881.3	5894.0	5944.9	6050.9	6050.9	6040.3	6048.8	6036.1	5961.9	5898.3	5900.5
42.5°	6324.3	6330.6	6392.1	6504.5	6496.0	6474.8	6483.2	6466.3	6419.7	6347.6	6322.2
45°	6796.9	6822.4	6928.3	7036.4	7019.4	6951.6	6985.5	6981.3	6938.9	6830.8	6837.2
47.5°	7367.0	7409.5	7511.2	7640.4	7621.4	7515.4	7553.5	7579.0	7519.6	7401.0	7379.8
50°	8009.2	8036.8	8187.3	8308.1	8291.1	8178.7	8265.7	8269.9	8121.6	7954.1	7954.1
52.5°	8693.8	8721.4	8924.8	9113.4	9124.1	8960.8	9030.8	9026.6	8784.9	8564.5	8522.1
55°	9461.0	9473.8	9736.5	10014.2	10073.5	9914.6	9923.0	9838.2	9524.6	9268.1	9244.9
57.5°	10253.7	10300.3	10590.7	10951.0	11126.9	11029.4	10984.9	10758.1	10455.0	10160.4	10145.6
60°	11131.1	11133.2	11510.5	11936.5	12292.6	12358.2	12176.0	11872.9	11480.8	11090.9	11073.9
62.5°	11739.4	11830.5	12307.4	13027.9	13665.9	14034.7	13553.6	12917.8	12146.3	11516.8	11453.3
65°	11864.4	11925.9	12652.8	13873.6	15177.0	15971.9	14859.1	13507.0	12190.8	11351.5	11309.2
67.5°	10853.5	10919.2	11898.3	13771.9	16236.8	17866.6	15706.9	13223.0	11436.3	10397.8	10315.2
70°	8394.9	8469.2	9679.3	12123.0	16001.5	18462.1	15102.9	11533.8	9431.3	8310.2	8159.7
72.5°	4463.5	4736.8	5771.1	8320.8	12987.7	15895.5	12383.7	8416.2	6082.7	4972.1	4772.9
75°	1629.8	1663.7	2240.2	3689.9	7555.7	10900.1	7846.1	4014.1	2308.0	1782.4	1691.3
77.5°	674.0	671.8	737.6	1114.8	2744.6	5582.5	3062.5	1178.4	735.5	680.3	671.8
80°	398.5	398.5	438.7	464.2	722.7	1684.9	807.5	525.6	440.8	402.7	409.0
82.5°	178.1	188.6	277.7	292.5	349.7	462.0	389.9	334.9	288.2	199.2	180.2
85°	97.5	84.8	146.3	152.6	167.4	171.6	184.4	182.3	167.4	97.5	99.6
87.5°	19.1	23.3	42.4	31.8	36.0	31.8	42.4	59.4	61.5	33.9	27.6
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)