

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: P650940

Luminaire Tested: **GALN-SA6C-840-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650940
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-SA6C-840-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 36772.7 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

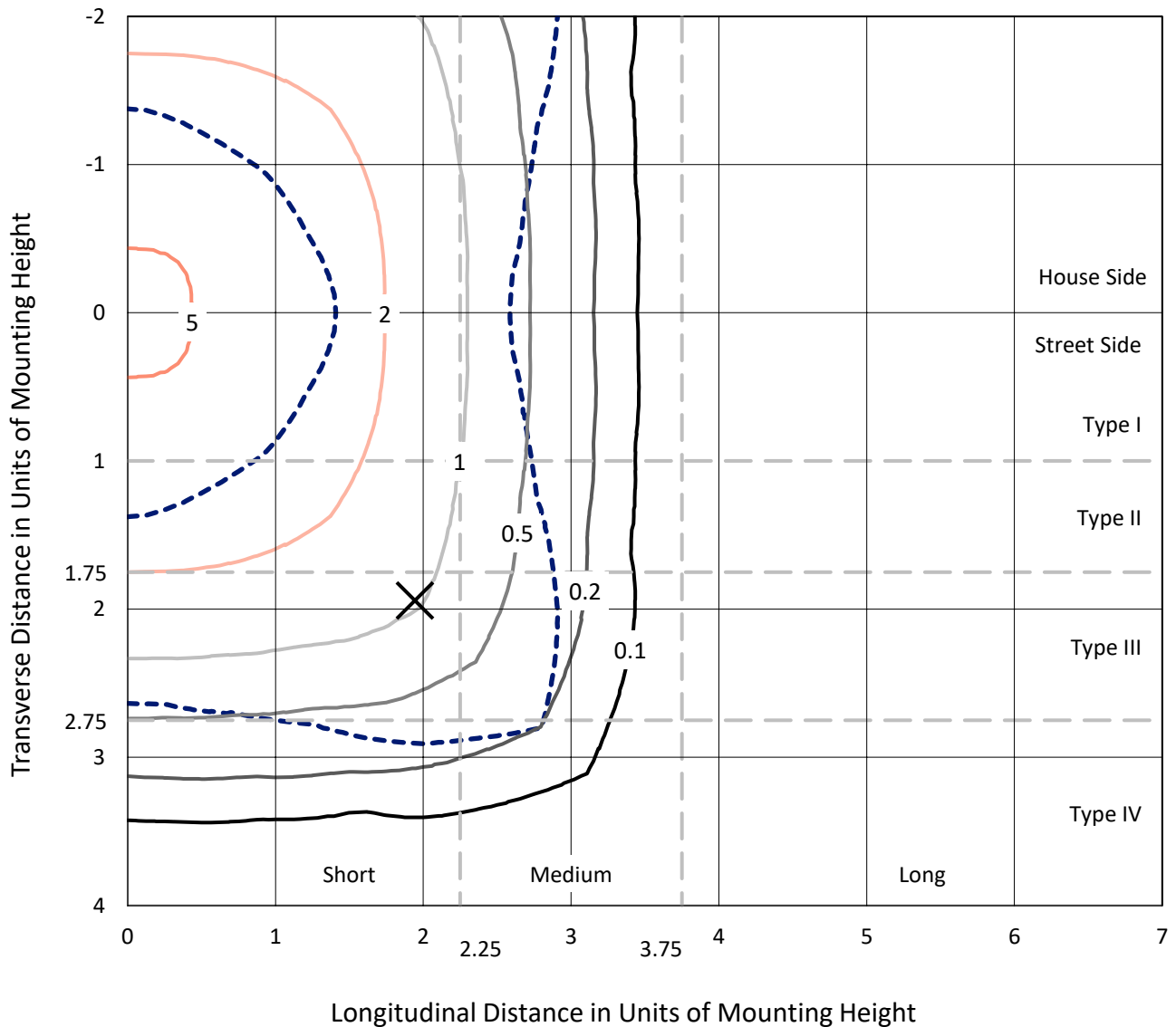
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

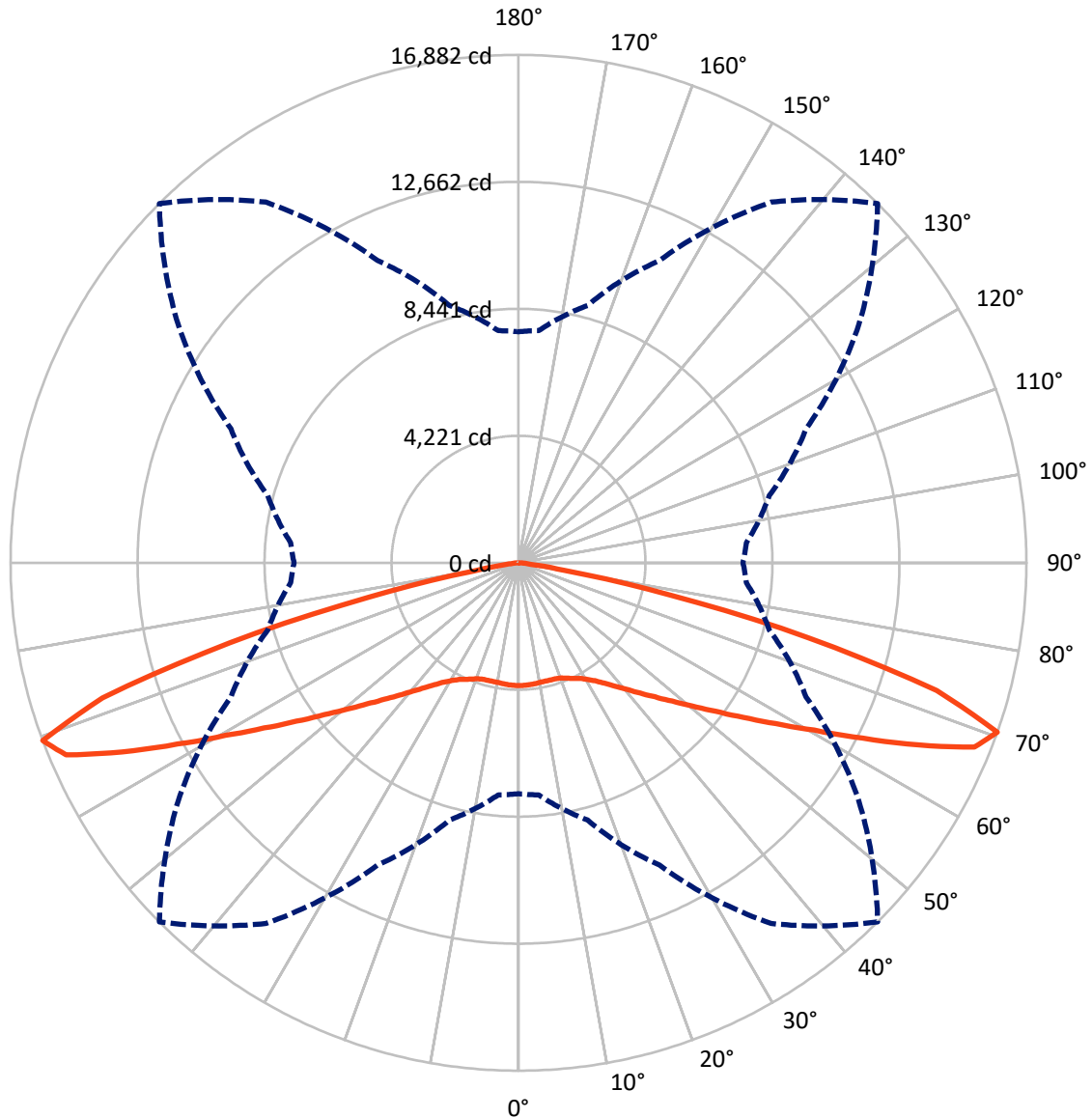
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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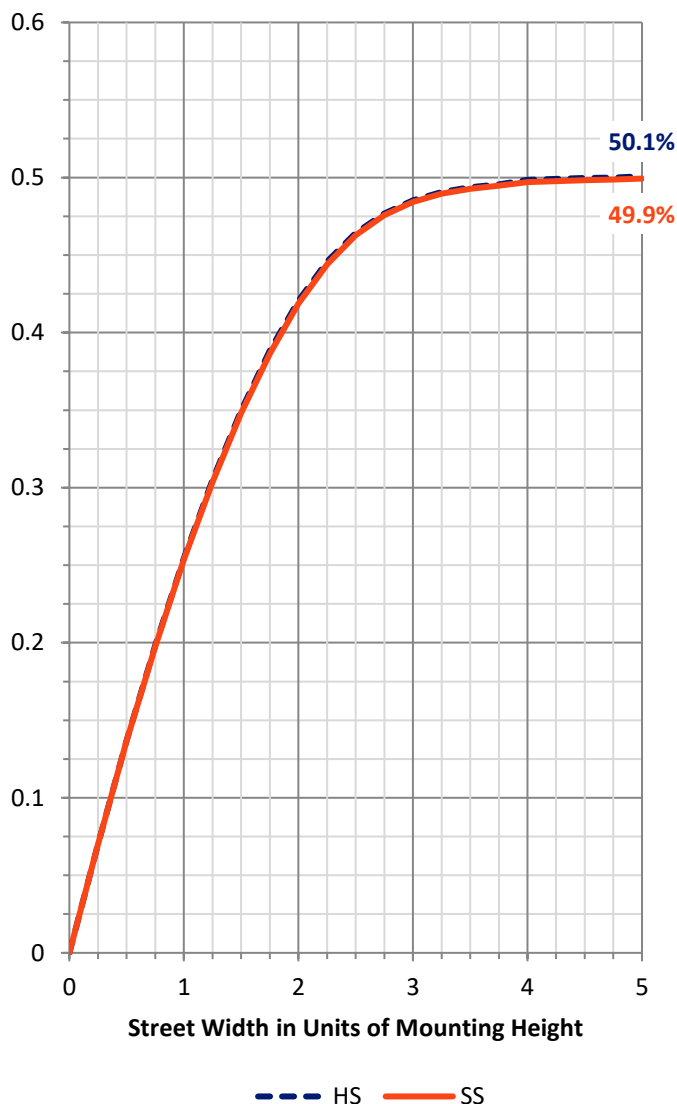
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18386.4	0.0	18386.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18386.4	0.0	18386.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	36772.7	0.0	36772.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.2	1.1
10°-20°	1136.3	3.1
20°-30°	1943.4	5.3
30°-40°	3084.6	8.4
40°-50°	4976.3	13.5
50°-60°	8096.5	22.0
60°-70°	11737.0	31.9
70°-80°	5206.1	14.2
80°-90°	205.3	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°	36772.7	100.0
0°-180°	36772.7	100.0

Coefficient of Utilization

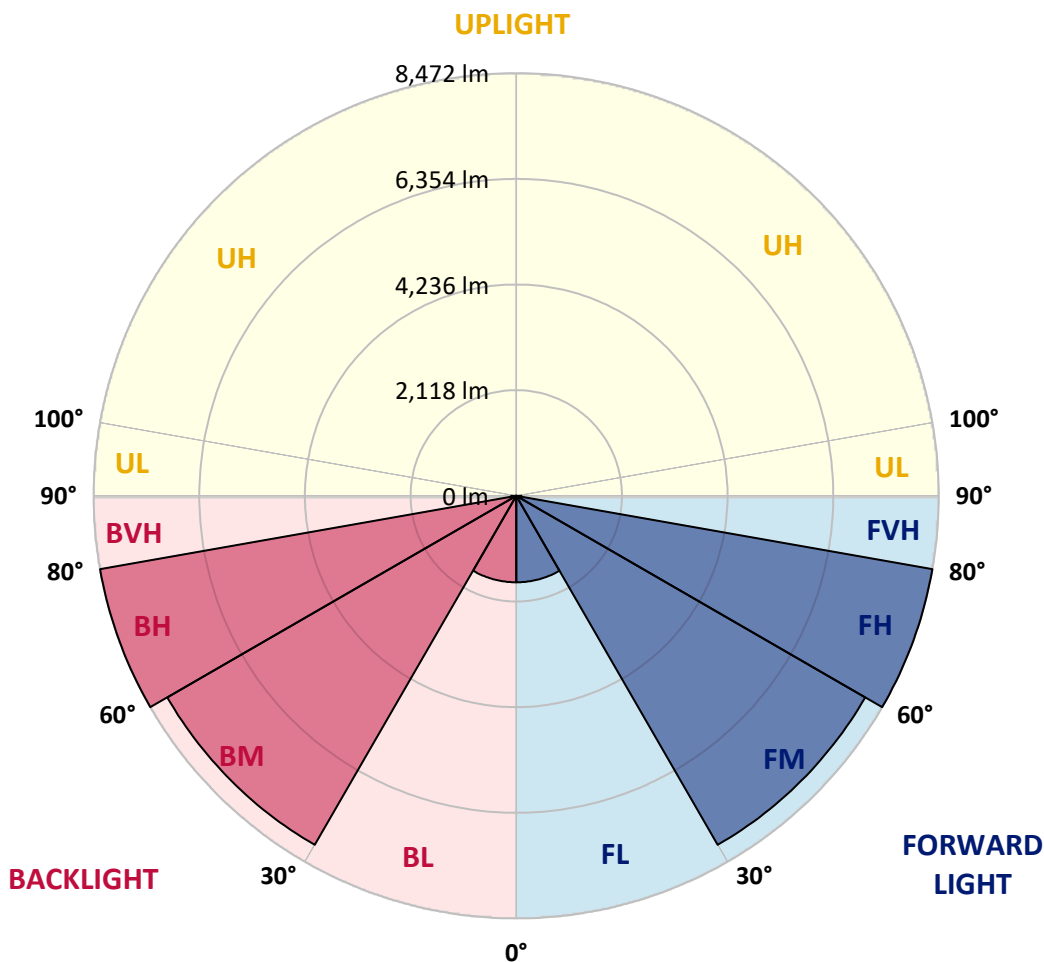


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1733.5	4.7			
FM (30°-60°)	8078.7	22.0			
FH (60°-80°)	8471.6	23.0			G4/12000
FVH (80°-90°)	102.7	0.3			G2/225
BL (0°-30°)	1733.5	4.7	B3/2500		
BM (30°-60°)	8078.7	22.0	B4/8500		
BH (60°-80°)	8471.6	23.0	B5		G4/12000
BVH (80°-90°)	102.7	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°	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5	4083.5
2.5°	4083.5	4087.3	4081.5	4077.6	4075.7	4075.7	4073.7	4075.7	4087.3	4089.3	4083.5
5°	4071.8	4075.7	4073.7	4069.9	4067.9	4067.9	4066.0	4064.0	4073.7	4077.6	4075.7
7.5°	4056.3	4058.2	4056.3	4054.4	4056.3	4054.4	4048.6	4044.7	4052.4	4052.4	4050.5
10°	4029.1	4033.0	4031.1	4033.0	4036.9	4036.9	4029.1	4021.4	4023.3	4019.5	4019.5
12.5°	3996.3	4002.1	4004.0	4011.7	4021.4	4033.0	4015.6	3998.2	3994.3	3992.3	3990.4
15°	3974.9	3980.7	3988.4	3996.3	4013.7	4038.9	4013.7	3986.5	3978.8	3971.0	3967.2
17.5°	3969.1	3976.8	3988.4	4000.1	4023.3	4048.6	4027.2	4000.1	3980.7	3969.1	3965.2
20°	3984.6	3990.4	4007.9	4029.1	4062.1	4087.3	4066.0	4036.9	4007.9	3990.4	3984.6
22.5°	4015.6	4025.3	4046.6	4085.4	4131.9	4168.8	4139.7	4091.2	4044.7	4021.4	4013.7
25°	4083.5	4091.2	4116.4	4168.8	4223.0	4257.9	4226.9	4170.7	4106.7	4075.7	4066.0
27.5°	4186.2	4197.8	4224.9	4286.9	4331.5	4350.9	4329.6	4290.8	4244.3	4211.3	4203.6
30°	4331.5	4345.1	4385.7	4451.7	4480.8	4492.4	4482.7	4457.5	4424.5	4389.7	4381.9
32.5°	4527.3	4535.0	4581.5	4643.5	4670.7	4674.5	4662.9	4651.3	4597.0	4538.9	4535.0
35°	4746.3	4759.8	4816.0	4889.7	4914.9	4916.8	4893.5	4876.1	4812.1	4765.6	4765.6
37.5°	5036.9	5042.8	5097.0	5180.4	5207.5	5199.7	5188.1	5172.7	5104.8	5044.7	5046.7
40°	5378.0	5389.6	5436.2	5533.1	5533.1	5523.4	5531.2	5519.5	5451.7	5393.6	5395.5
42.5°	5783.1	5788.9	5845.1	5947.8	5940.1	5920.7	5928.5	5912.9	5870.3	5804.4	5781.1
45°	6215.2	6238.5	6335.4	6434.2	6418.8	6356.8	6387.7	6383.9	6345.1	6246.3	6252.1
47.5°	6736.6	6775.3	6868.4	6986.6	6969.2	6872.2	6907.1	6930.4	6876.2	6767.6	6748.3
50°	7323.8	7349.0	7486.7	7597.1	7581.6	7478.8	7558.3	7562.2	7426.5	7273.5	7273.5
52.5°	7949.8	7975.0	8161.1	8333.6	8343.2	8194.0	8257.9	8254.1	8033.1	7831.6	7792.9
55°	8651.4	8663.0	8903.3	9157.2	9211.5	9066.1	9073.9	8996.3	8709.6	8475.0	8453.7
57.5°	9376.2	9418.9	9684.4	10013.8	10174.7	10085.5	10044.8	9837.4	9560.3	9290.9	9277.4
60°	10178.5	10180.5	10525.5	10915.0	11240.6	11300.7	11134.0	10856.9	10498.4	10141.7	10126.2
62.5°	10734.8	10818.1	11254.2	11913.1	12496.4	12833.7	12393.7	11812.3	11106.8	10531.3	10473.1
65°	10849.2	10905.3	11570.1	12686.4	13878.3	14605.1	13587.5	12351.1	11147.5	10380.1	10341.4
67.5°	9924.6	9984.8	10880.1	12593.4	14847.3	16337.6	14362.8	12091.4	10457.7	9508.0	9432.4
70°	7676.6	7744.3	8851.0	11085.6	14632.1	16882.2	13810.4	10546.8	8624.3	7599.0	7461.4
72.5°	4081.5	4331.5	5277.3	7608.7	11876.3	14535.3	11323.9	7695.9	5562.1	4546.6	4364.5
75°	1490.3	1521.4	2048.5	3374.1	6909.1	9967.3	7174.6	3670.6	2110.5	1629.9	1546.5
77.5°	616.3	614.4	674.4	1019.4	2509.7	5104.8	2800.4	1077.6	672.5	622.1	614.4
80°	364.3	364.3	401.2	424.5	660.9	1540.7	738.4	480.6	403.1	368.2	374.1
82.5°	162.8	172.5	253.9	267.4	319.7	422.5	356.6	306.2	263.6	182.2	164.8
85°	89.1	77.5	133.7	139.5	153.1	157.0	168.6	166.7	153.1	89.1	91.1
87.5°	17.4	21.3	38.8	29.1	33.0	29.1	38.8	54.2	56.2	31.0	25.2
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)