

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: P532173

Luminaire Tested: **GALN-SA7C-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27376 lumens
Efficiency: N/A
Efficacy: 72.6 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

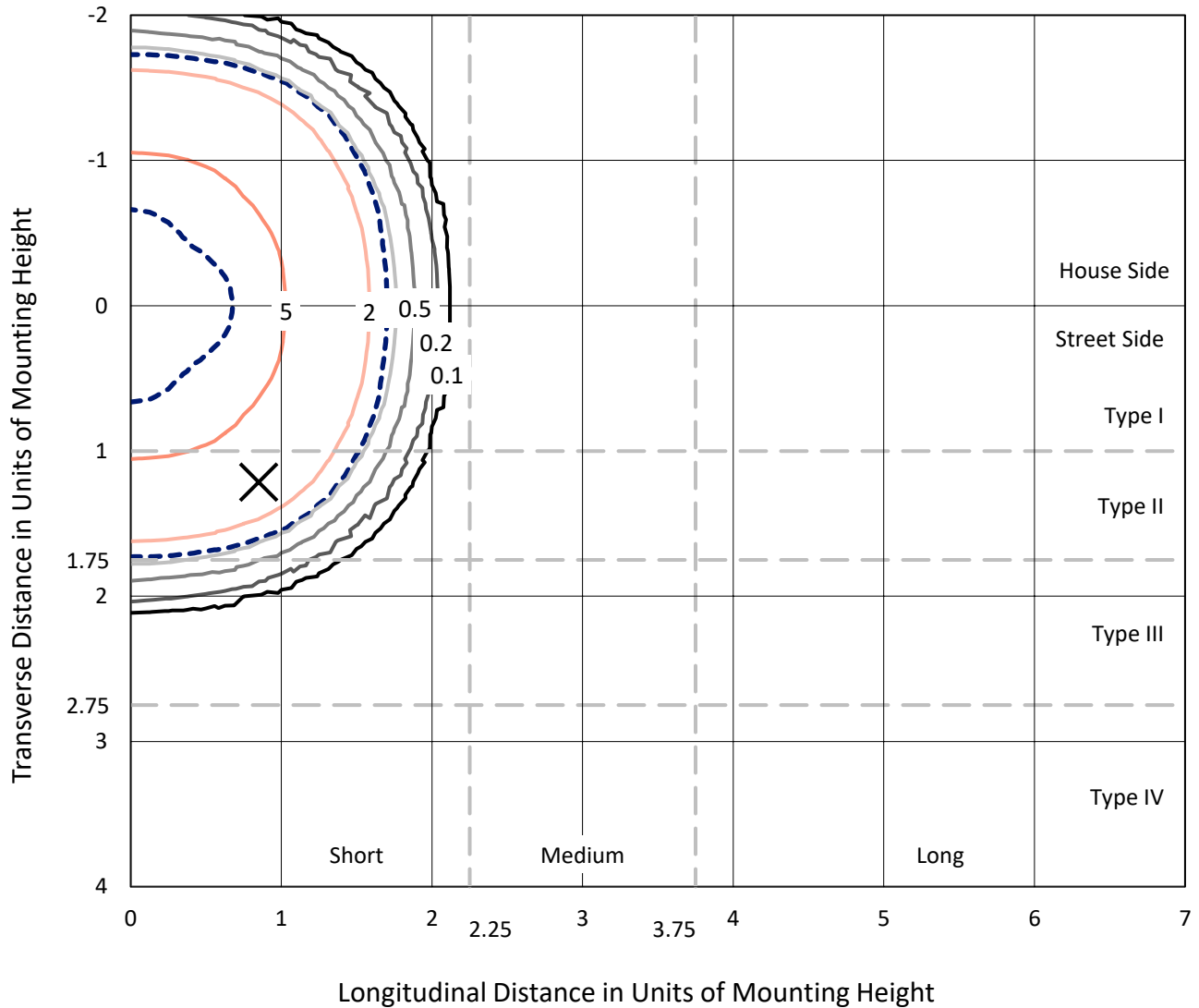
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

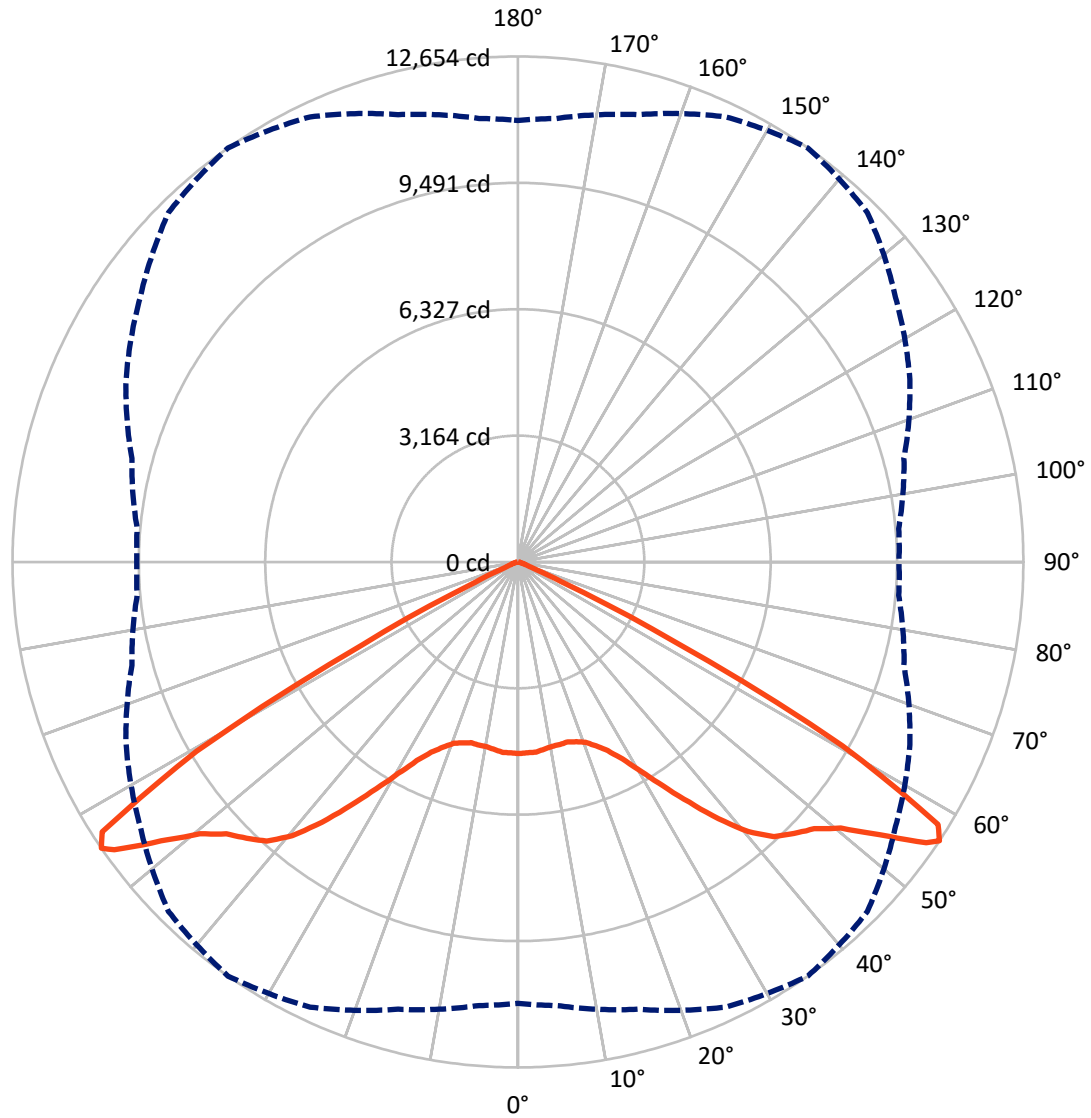
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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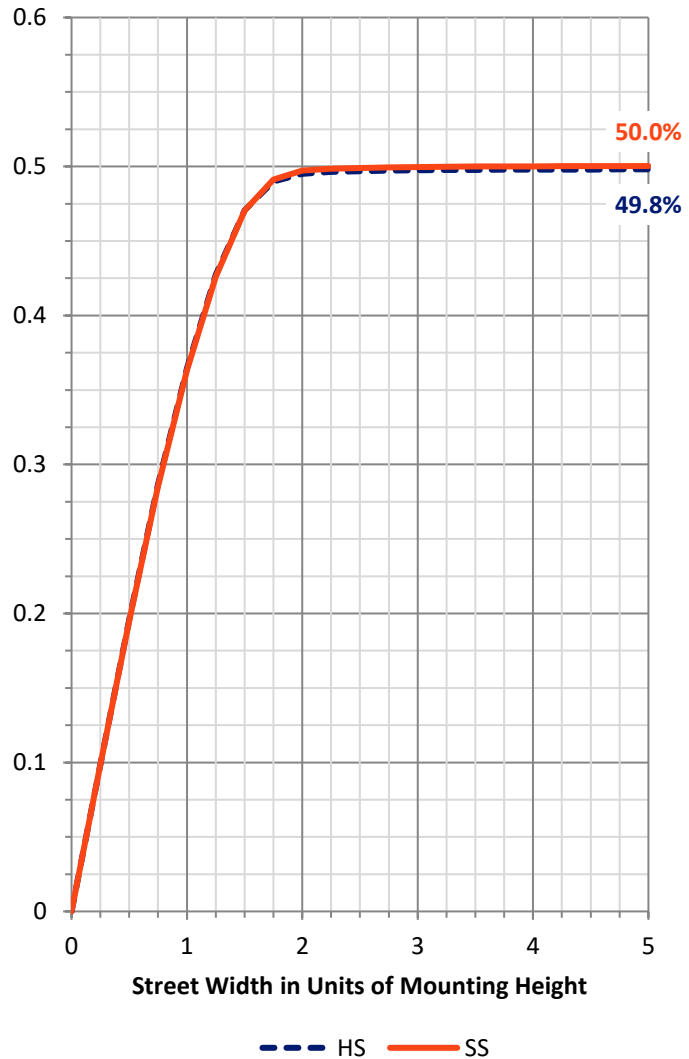
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13688.0	0.0	13688.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13688.0	0.0	13688.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27376.0	0.0	27376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.8	1.6
10°-20°	1316.2	4.8
20°-30°	2383.5	8.7
30°-40°	4419.8	16.1
40°-50°	7254.8	26.5
50°-60°	9346.4	34.1
60°-70°	2059.8	7.5
70°-80°	119.5	0.4
80°-90°	25.2	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°	27376.0	100.0
0°-180°	27376.0	100.0

Coefficient of Utilization



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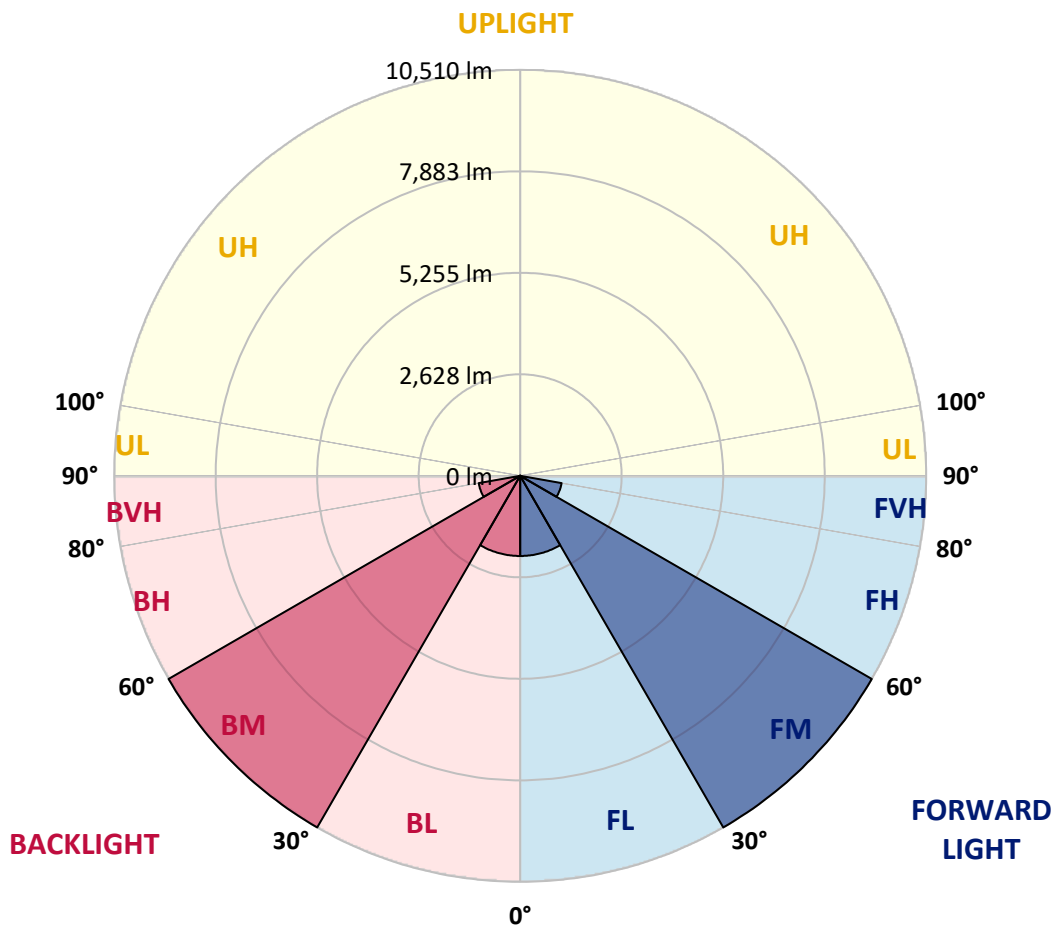
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2075.3	7.6			
FM (30°-60°)	10510.5	38.4			
FH (60°-80°)	1089.7	4.0			G1/1800
FVH (80°-90°)	12.6	0.0			G1/100
BL (0°-30°)	2075.3	7.6	B3/2500		
BM (30°-60°)	10510.5	38.4	B5		
BH (60°-80°)	1089.7	4.0	B3/2500		G1/1800
BVH (80°-90°)	12.6	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°	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9	4796.9
2.5°	4806.8	4806.8	4811.7	4816.7	4782.0	4767.1	4772.1	4762.1	4757.2	4772.1	4772.1
5°	4791.9	4791.9	4777.0	4782.0	4782.0	4737.3	4737.3	4747.3	4747.3	4717.5	4707.6
7.5°	4752.2	4742.3	4722.5	4747.3	4732.4	4732.4	4697.7	4672.8	4662.9	4682.8	4662.9
10°	4667.9	4672.8	4692.7	4702.6	4692.7	4722.5	4662.9	4628.2	4593.5	4578.6	4578.6
12.5°	4628.2	4658.0	4628.2	4653.0	4687.7	4662.9	4628.2	4603.4	4553.8	4534.0	4534.0
15°	4623.2	4643.1	4653.0	4687.7	4672.8	4682.8	4613.3	4583.6	4509.2	4474.4	4459.5
17.5°	4618.3	4643.1	4658.0	4722.5	4732.4	4737.3	4682.8	4593.5	4529.0	4494.3	4459.5
20°	4672.8	4682.8	4712.5	4777.0	4816.7	4886.2	4786.9	4692.7	4553.8	4514.1	4499.2
22.5°	4742.3	4791.9	4821.7	4891.1	4995.3	5054.8	4925.8	4806.8	4662.9	4613.3	4553.8
25°	4965.5	4955.6	5005.2	5149.1	5233.4	5278.0	5173.9	5000.2	4811.7	4752.2	4762.1
27.5°	5243.3	5253.2	5297.9	5456.6	5580.6	5650.1	5526.1	5297.9	5114.3	5015.1	5005.2
30°	5605.4	5595.5	5645.1	5858.4	6081.6	6185.8	5967.6	5699.7	5521.1	5392.1	5421.9
32.5°	5987.4	5992.4	6131.3	6324.7	6686.8	6890.2	6538.0	6210.6	5942.8	5853.5	5808.8
35°	6552.9	6577.7	6686.8	6984.5	7386.3	7649.2	7262.3	6870.4	6562.8	6399.1	6419.0
37.5°	7252.3	7227.5	7411.1	7733.5	8155.2	8348.6	8021.2	7574.8	7262.3	7153.1	7222.6
40°	7996.4	8021.2	8115.5	8408.2	8879.4	9008.4	8522.2	8279.2	8006.3	7951.8	8036.1
42.5°	8740.5	8725.6	8795.1	9058.0	9400.3	9311.0	9023.3	8879.4	8685.9	8576.8	8690.9
45°	9286.2	9261.4	9390.3	9568.9	9692.9	9524.3	9395.3	9345.7	9246.5	9127.4	9231.6
47.5°	9817.0	9797.1	9921.1	9970.7	9980.7	9757.4	9782.2	9871.5	9623.5	9375.5	9494.5
50°	10268.4	10233.6	10387.4	10496.6	10471.7	10114.6	10203.9	10114.6	9727.7	9435.0	9390.3
52.5°	11022.4	11037.3	11201.0	11399.4	11339.8	11042.2	10913.2	10506.5	10010.4	9747.5	9593.7
55°	11498.6	11424.2	11706.9	12336.9	12406.4	12098.8	11528.3	10928.1	10184.0	9861.6	9821.9
56°	11052.1	11146.4	11592.8	12297.2	12654.4	12371.6	11543.2	10823.9	10005.5	9568.9	9539.2
57.5°	9916.2	9866.6	10471.7	11434.1	12406.4	12287.3	11136.5	10079.9	9127.4	8636.3	8576.8
60°	6170.9	6314.8	6845.6	8036.1	9335.8	9395.3	8254.4	7346.6	6235.4	5798.9	5903.1
62.5°	2415.8	2291.8	2624.1	3512.1	4405.0	4603.4	4171.8	3467.4	2847.4	2415.8	2386.0
65°	560.5	545.7	615.1	848.3	1185.6	1374.1	1304.6	937.5	689.5	654.8	605.2
67.5°	317.5	317.5	302.6	302.6	332.4	352.2	337.3	332.4	347.2	362.1	357.2
70°	223.2	218.3	208.3	213.3	203.4	203.4	218.3	243.1	262.9	262.9	267.9
72.5°	133.9	133.9	133.9	148.8	148.8	148.8	163.7	183.5	188.5	183.5	178.6
75°	59.5	59.5	69.4	84.3	94.3	99.2	114.1	124.0	133.9	124.0	114.1
77.5°	14.9	14.9	24.8	34.7	44.6	54.6	74.4	89.3	94.3	89.3	74.4
80°	5.0	5.0	9.9	24.8	44.6	54.6	74.4	79.4	84.3	74.4	59.5
82.5°	5.0	5.0	9.9	24.8	34.7	44.6	59.5	69.4	74.4	64.5	59.5
85°	0.0	5.0	9.9	19.8	29.8	39.7	39.7	29.8	24.8	14.9	19.8
87.5°	0.0	0.0	5.0	5.0	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)