

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: P532181

Luminaire Tested: **GALN-SA7C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29479 lumens
Efficiency: N/A
Efficacy: 78.2 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

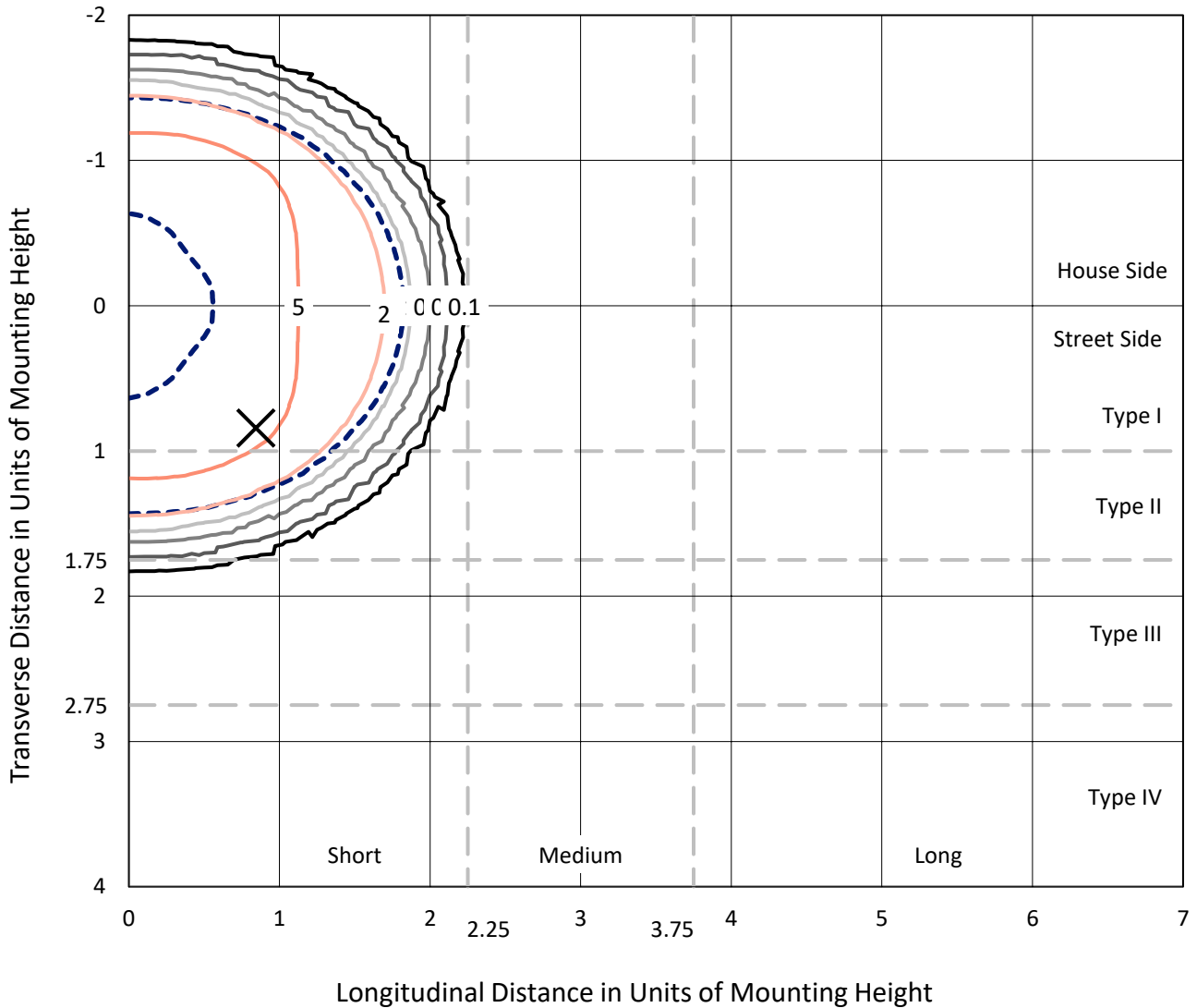
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

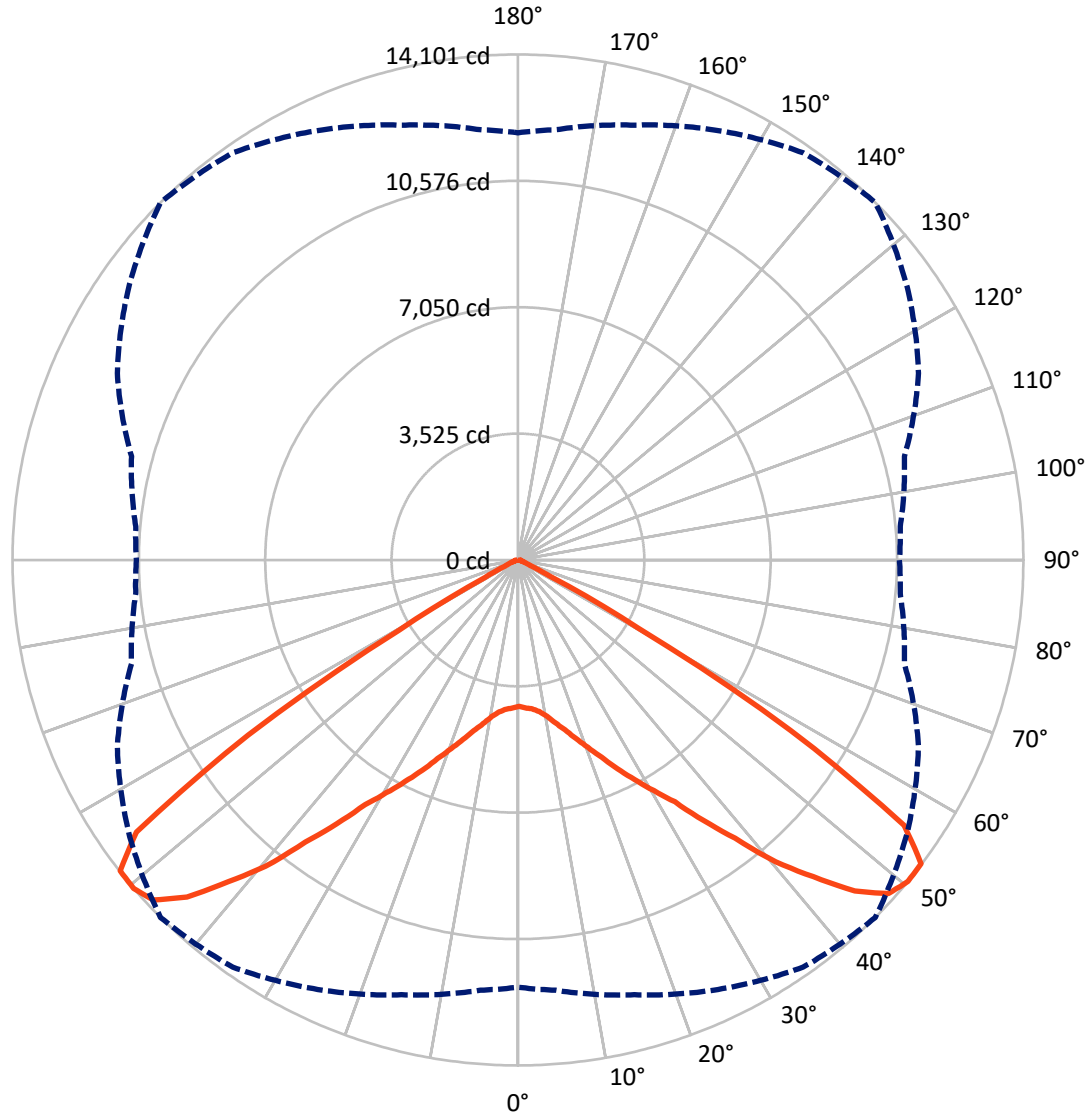
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14739.5	0.0	14739.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14739.5	0.0	14739.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29479.0	0.0	29479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.6	1.4
10°-20°	1401.3	4.8
20°-30°	2862.1	9.7
30°-40°	5458.0	18.5
40°-50°	9197.5	31.2
50°-60°	8771.5	29.8
60°-70°	1224.5	4.2
70°-80°	117.1	0.4
80°-90°	40.5	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°	29479.0	100.0
0°-180°	29479.0	100.0

Coefficient of Utilization

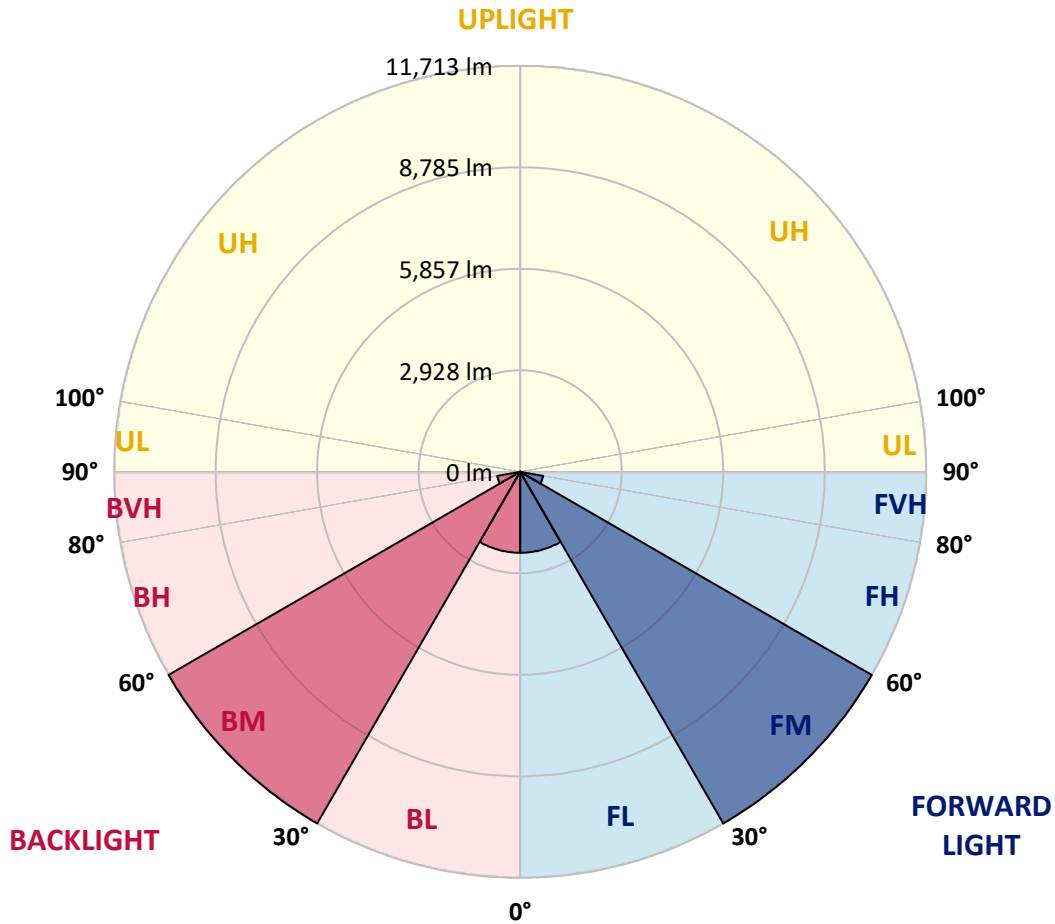


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2335.0	7.9			
FM (30°-60°)	11713.5	39.7			
FH (60°-80°)	670.8	2.3			G1/1800
FVH (80°-90°)	20.2	0.1			G1/100
BL (0°-30°)	2335.0	7.9	B3/2500		
BM (30°-60°)	11713.5	39.7	B5		
BH (60°-80°)	670.8	2.3	B2/1000		G1/1800
BVH (80°-90°)	20.2	0.1			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°	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9	4086.9
2.5°	4072.1	4072.1	4067.1	4106.8	4086.9	4131.6	4126.6	4141.5	4156.4	4151.4	4191.1
5°	4037.3	4032.4	4032.4	4077.0	4121.7	4171.3	4215.9	4245.7	4295.3	4295.3	4344.9
7.5°	4072.1	4047.3	4082.0	4101.8	4186.1	4270.5	4344.9	4404.4	4518.4	4558.1	4543.2
10°	4082.0	4111.7	4136.5	4196.1	4300.2	4429.2	4493.6	4642.4	4771.4	4860.7	4880.5
12.5°	4146.5	4191.1	4260.5	4404.4	4498.6	4667.2	4756.5	4900.4	5078.9	5178.1	5247.6
15°	4270.5	4285.3	4374.6	4558.1	4761.5	4915.2	5054.1	5158.3	5331.9	5445.9	5450.9
17.5°	4429.2	4493.6	4617.6	4791.2	5004.5	5232.7	5341.8	5455.9	5520.3	5674.1	5708.8
20°	4746.6	4756.5	4875.6	5103.7	5371.5	5579.9	5659.2	5718.7	5693.9	5852.7	5882.4
22.5°	5044.2	5054.1	5202.9	5510.4	5798.1	5976.7	6011.4	5976.7	5902.3	6016.3	6026.3
25°	5346.7	5436.0	5545.1	5852.7	6209.8	6447.8	6452.8	6358.6	6204.8	6224.6	6274.2
27.5°	5817.9	5882.4	5996.5	6279.2	6671.0	6938.9	6894.2	6780.2	6581.8	6596.6	6581.8
30°	6368.5	6428.0	6522.2	6884.3	7172.0	7464.6	7529.1	7420.0	7122.4	7057.9	7132.3
32.5°	7033.1	7117.4	7291.0	7623.3	7866.4	8044.9	8089.6	8049.9	7772.1	7747.3	7796.9
35°	7841.6	7955.6	8114.4	8407.0	8605.4	8927.8	8927.8	8793.9	8540.9	8570.7	8565.7
37.5°	8694.7	8863.3	9111.3	9408.9	9676.7	9850.3	9795.8	9681.7	9428.7	9364.2	9428.7
40°	9766.0	9850.3	10162.8	10549.7	10877.0	11075.4	10842.3	10594.3	9989.2	10083.4	10257.0
42.5°	10743.1	10877.0	11115.1	11541.6	11913.6	12077.3	11799.5	11308.5	10579.4	10505.0	10634.0
45°	11576.4	11720.2	12032.7	12642.7	13034.6	13178.4	12563.4	11769.8	10936.5	10748.1	10802.6
47.5°	12131.9	12206.3	12642.7	13223.0	13580.1	13907.5	13024.6	12087.2	11105.2	10748.1	10728.2
50°	11918.6	12047.5	12558.4	13218.1	13867.8	14100.9	13257.8	12330.3	11159.7	10703.4	10643.9
52.5°	10584.4	10807.6	11378.0	12265.8	13247.8	14081.1	13580.1	12250.9	11139.9	10748.1	10837.3
55°	7365.4	7370.4	8064.8	9374.2	11110.1	13074.2	13109.0	12340.2	11268.8	11025.8	11030.8
57.5°	2961.0	3109.8	3640.6	4954.9	6557.0	8977.4	10673.7	11447.4	11283.7	11224.2	11378.0
60°	748.9	753.9	917.6	1398.7	2306.3	3848.9	5589.8	7563.8	8709.5	9101.4	9155.9
62.5°	381.9	386.9	426.5	496.0	629.9	1031.7	1835.2	2911.4	4141.5	4766.4	4930.1
65°	312.5	312.5	337.3	372.0	377.0	396.8	476.1	679.5	987.0	1120.9	1135.8
67.5°	238.1	238.1	257.9	277.8	287.7	282.7	272.8	282.7	342.2	327.4	317.4
70°	148.8	153.8	163.7	183.5	193.4	198.4	203.4	213.3	243.0	253.0	243.0
72.5°	89.3	89.3	94.2	109.1	124.0	133.9	148.8	158.7	173.6	198.4	193.4
75°	39.7	39.7	49.6	64.5	79.4	94.2	109.1	124.0	133.9	148.8	153.8
77.5°	9.9	14.9	24.8	44.6	59.5	79.4	99.2	114.1	124.0	124.0	119.0
80°	5.0	5.0	19.8	34.7	64.5	84.3	109.1	119.0	133.9	124.0	109.1
82.5°	5.0	5.0	19.8	34.7	59.5	84.3	114.1	129.0	138.9	124.0	104.2
85°	0.0	5.0	14.9	29.8	49.6	59.5	49.6	34.7	19.8	19.8	14.9
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)