

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: P531688

Luminaire Tested: **GALN-SA7A-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531688
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7A-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25418 lumens
Efficiency: N/A
Efficacy: 118.2 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): 215
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

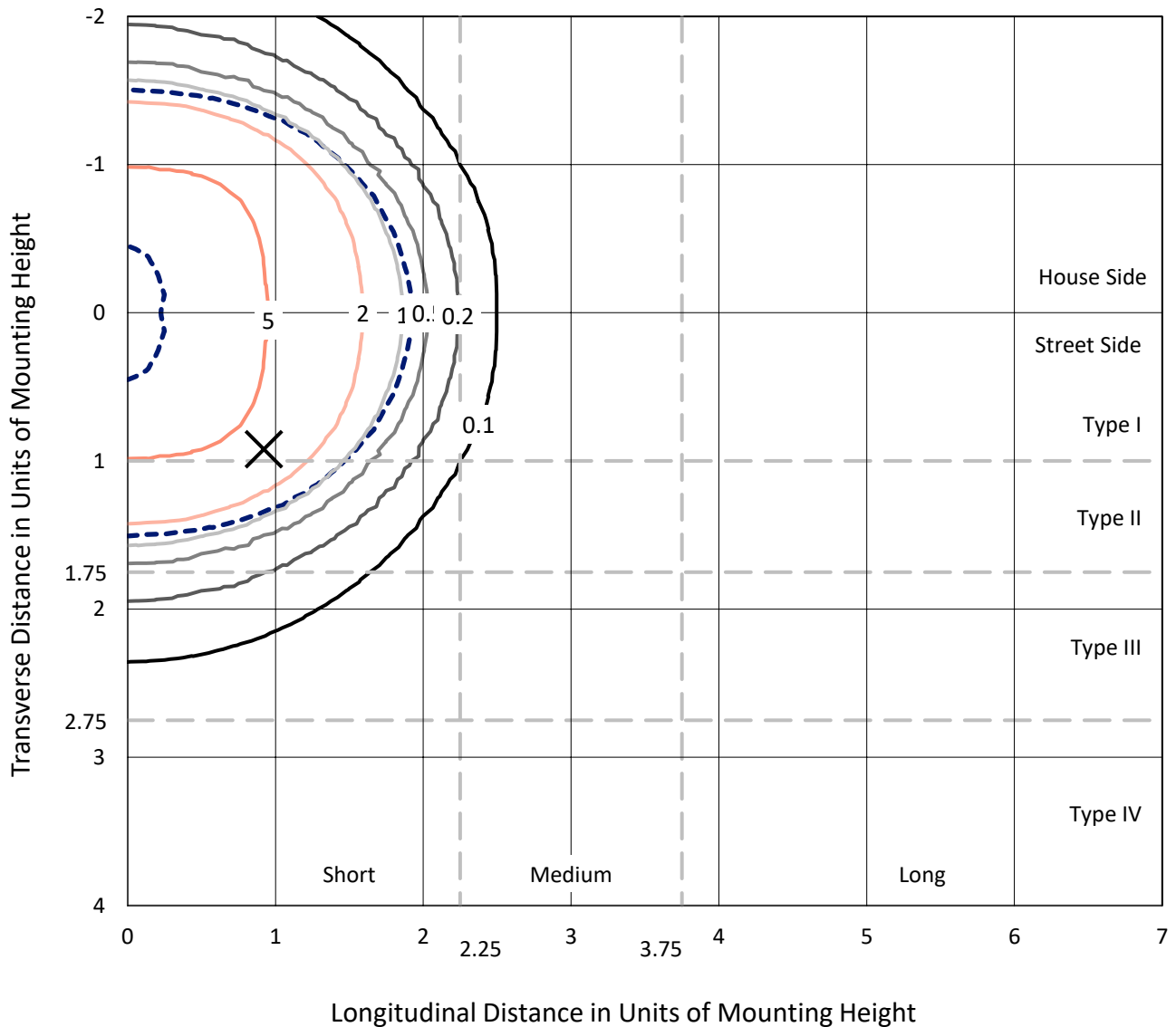




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Iso-Footcandle Lines of Horizontal Illumination

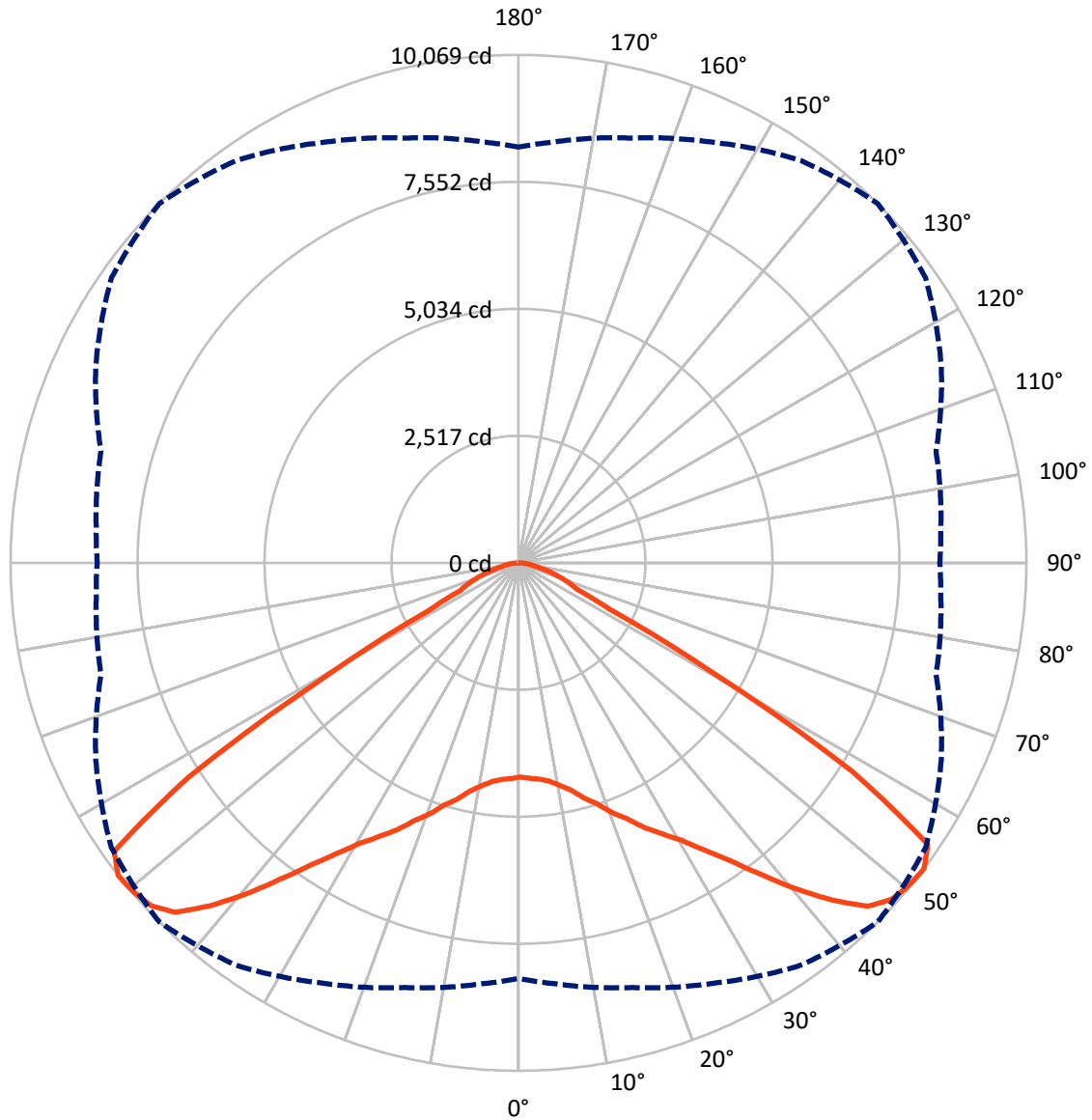
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12709.0	0.0	12709.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12709.0	0.0	12709.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25418.0	0.0	25418.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.4	1.6
10°-20°	1371.7	5.4
20°-30°	2611.5	10.3
30°-40°	4484.2	17.6
40°-50°	6892.3	27.1
50°-60°	6999.0	27.5
60°-70°	1950.5	7.7
70°-80°	575.4	2.3
80°-90°	115.9	0.5
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°	25418.0	100.0
0°-180°	25418.0	100.0

Coefficient of Utilization

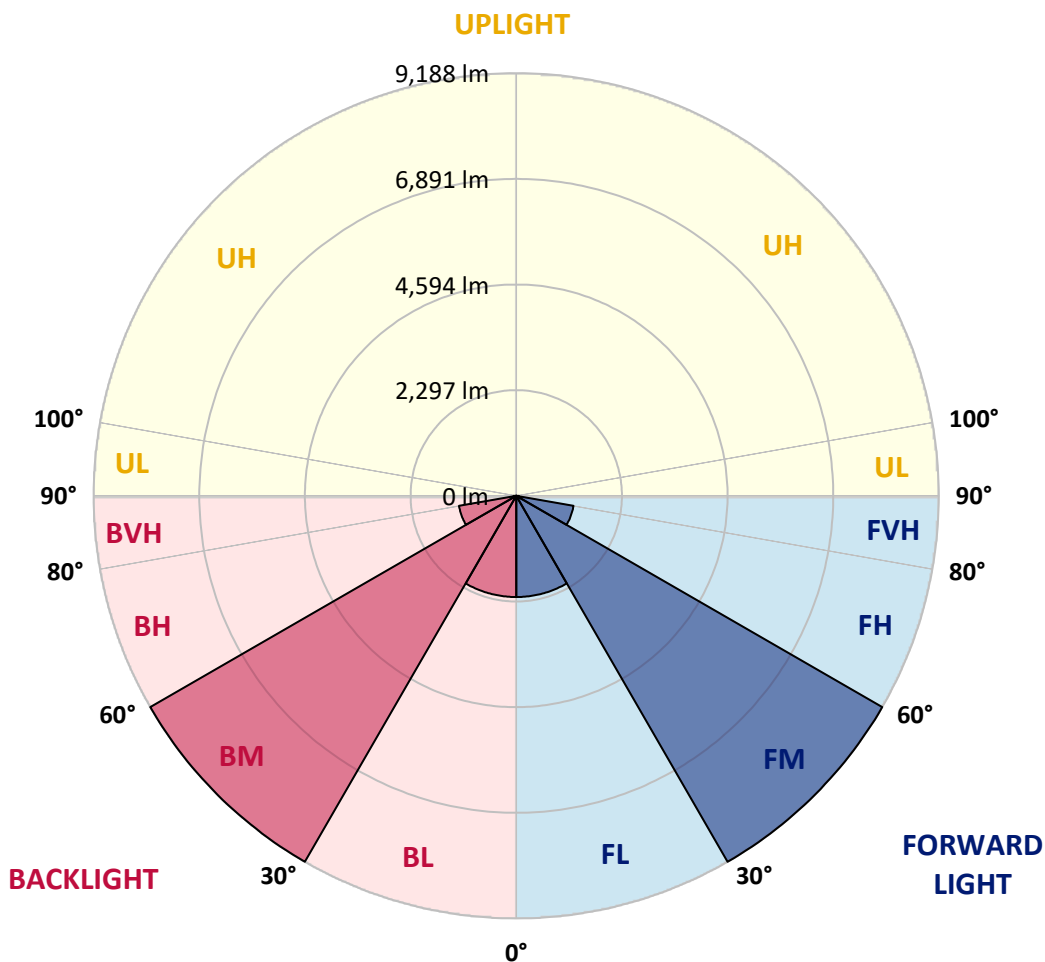


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2200.3	8.7			
FM	(30°-60°)	9187.8	36.1			
FH	(60°-80°)	1263.0	5.0			G1/1800
FVH	(80°-90°)	57.9	0.2			G1/100
BL	(0°-30°)	2200.3	8.7	B3/2500		
BM	(30°-60°)	9187.8	36.1	B5		
BH	(60°-80°)	1263.0	5.0	B3/2500		G1/1800
BVH	(80°-90°)	57.9	0.2			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°	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0	4249.0
2.5°	4258.4	4214.3	4230.0	4239.5	4280.5	4277.3	4267.9	4280.5	4293.1	4296.3	4290.0
5°	4255.3	4223.7	4236.3	4245.8	4286.8	4308.9	4302.6	4356.2	4394.1	4384.6	4431.9
7.5°	4230.0	4249.0	4233.2	4280.5	4315.2	4368.8	4425.6	4476.1	4523.4	4577.0	4586.5
10°	4286.8	4286.8	4315.2	4353.0	4444.5	4485.5	4567.5	4640.1	4731.6	4794.7	4769.4
12.5°	4346.7	4356.2	4356.2	4454.0	4529.7	4621.2	4696.9	4794.7	4924.0	4999.7	5037.5
15°	4406.7	4413.0	4444.5	4577.0	4690.6	4835.7	4905.1	4993.4	5065.9	5207.9	5211.0
17.5°	4460.3	4495.0	4589.6	4737.9	4879.8	5018.6	5129.0	5220.5	5283.6	5340.4	5327.8
20°	4662.2	4687.4	4785.2	4933.5	5144.8	5280.4	5318.3	5334.1	5375.1	5488.6	5453.9
22.5°	4857.7	4867.2	4958.7	5185.8	5334.1	5513.9	5554.9	5545.4	5561.2	5589.6	5640.0
25°	5059.6	5075.4	5201.6	5394.0	5602.2	5816.7	5851.4	5778.8	5756.7	5788.3	5791.4
27.5°	5318.3	5321.4	5482.3	5649.5	5886.1	6088.0	6141.6	6084.8	5980.7	6005.9	6047.0
30°	5646.3	5624.3	5785.1	6024.9	6274.1	6387.6	6479.1	6450.7	6337.2	6315.1	6280.4
32.5°	6024.9	6031.2	6176.3	6438.1	6602.1	6791.4	6889.2	6841.9	6769.3	6731.5	6753.5
35°	6558.0	6586.4	6684.1	6901.8	7166.8	7261.4	7416.0	7315.0	7125.8	7173.1	7214.1
37.5°	6996.4	7078.4	7261.4	7520.0	7677.8	7851.3	7908.0	7772.4	7633.6	7576.8	7712.5
40°	7668.3	7643.1	7845.0	8103.6	8337.0	8510.5	8438.0	8302.3	7958.5	7961.7	7999.5
42.5°	8245.6	8258.2	8412.7	8721.9	9040.5	9147.7	8917.4	8586.2	8204.5	8163.5	8245.6
45°	8731.3	8781.8	8870.1	9283.3	9595.6	9712.3	9286.5	8895.4	8384.3	8214.0	8349.7
47.5°	8904.8	8986.8	9179.3	9557.8	9866.9	9961.5	9620.9	9059.4	8551.5	8273.9	8346.5
50°	8930.1	8901.7	9217.1	9564.1	9835.4	10040.4	9740.7	9179.3	8510.5	8365.4	8343.3
52.5°	8239.2	8378.0	8715.6	9191.9	9740.7	10068.8	9848.0	9245.5	8567.3	8403.3	8349.7
55°	6668.4	6504.3	7119.4	7920.7	8930.1	9841.7	9810.1	9280.2	8602.0	8466.4	8393.8
57.5°	3722.2	3769.5	4116.5	4987.1	6289.8	7803.9	8721.9	8914.3	8586.2	8507.4	8545.2
60°	1722.3	1738.1	1886.3	2293.2	3100.8	4425.6	5633.7	6860.8	7425.4	7539.0	7539.0
62.5°	1283.8	1277.5	1315.4	1387.9	1558.3	2034.6	2715.9	3690.6	4466.6	5009.2	5151.1
65°	1160.8	1157.7	1176.6	1201.8	1214.4	1280.7	1432.1	1731.8	1984.1	2129.2	2104.0
67.5°	1015.7	1012.6	1018.9	1034.6	1056.7	1091.4	1129.3	1192.4	1280.7	1274.4	1258.6
70°	820.1	820.1	829.6	842.2	867.5	908.5	952.6	996.8	1072.5	1088.3	1085.1
72.5°	605.6	596.2	615.1	640.3	665.6	716.0	763.4	804.4	858.0	873.8	867.5
75°	384.8	391.1	403.8	432.2	476.3	511.0	561.5	596.2	630.9	643.5	646.6
77.5°	214.5	220.8	242.9	277.6	321.7	359.6	403.8	432.2	454.2	457.4	460.5
80°	129.3	132.5	154.6	186.1	224.0	265.0	299.7	328.1	347.0	337.5	334.4
82.5°	78.9	82.0	100.9	129.3	160.9	192.4	230.3	255.5	274.4	261.8	249.2
85°	41.0	44.2	59.9	78.9	104.1	119.9	119.9	107.2	104.1	97.8	94.6
87.5°	12.6	12.6	15.8	18.9	15.8	18.9	22.1	25.2	25.2	28.4	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)