

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: P531740

Luminaire Tested: **GALN-SA7A-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531740
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-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 4000K, 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: 27910 lumens
Efficiency: N/A
Efficacy: 129.8 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

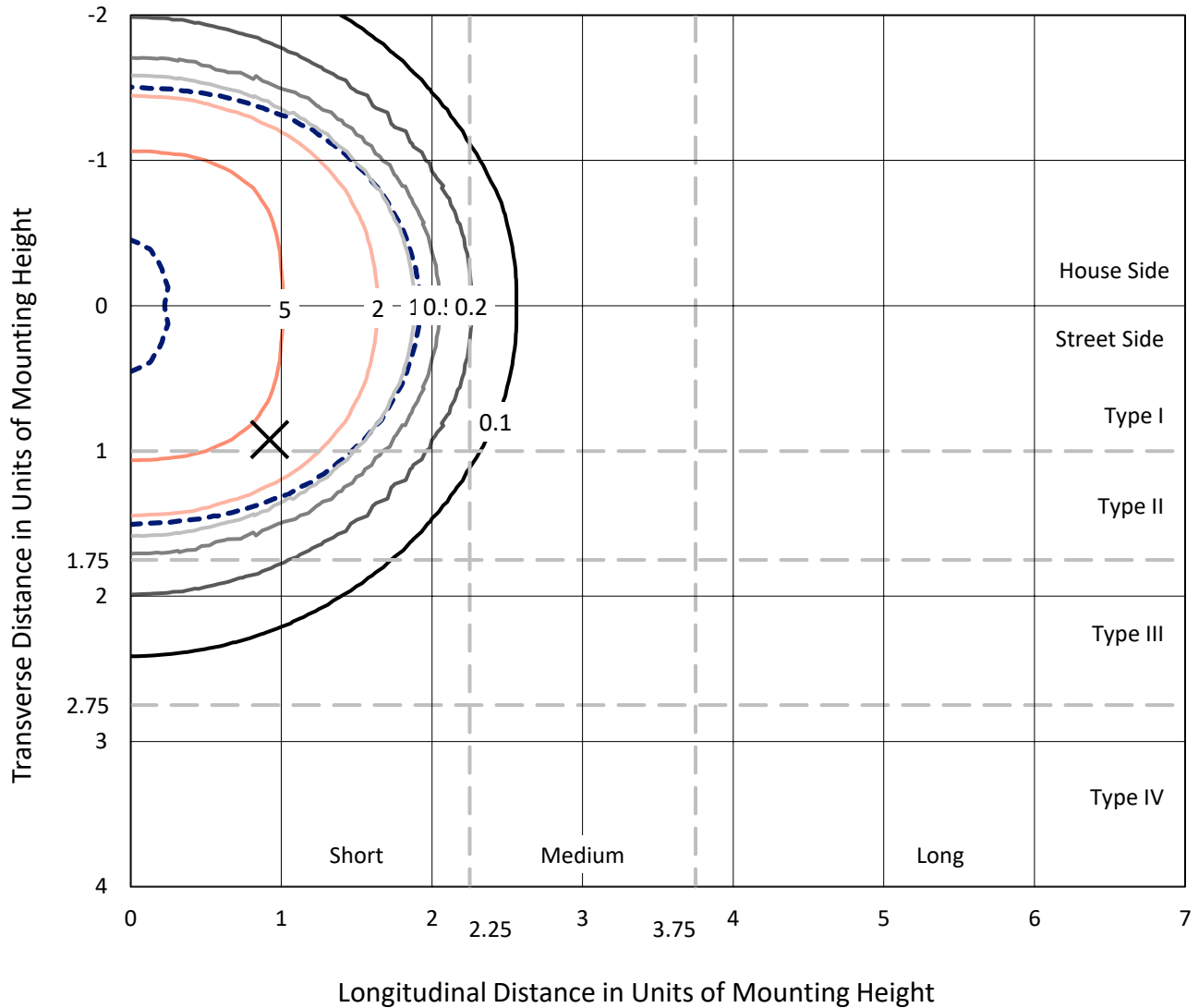
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

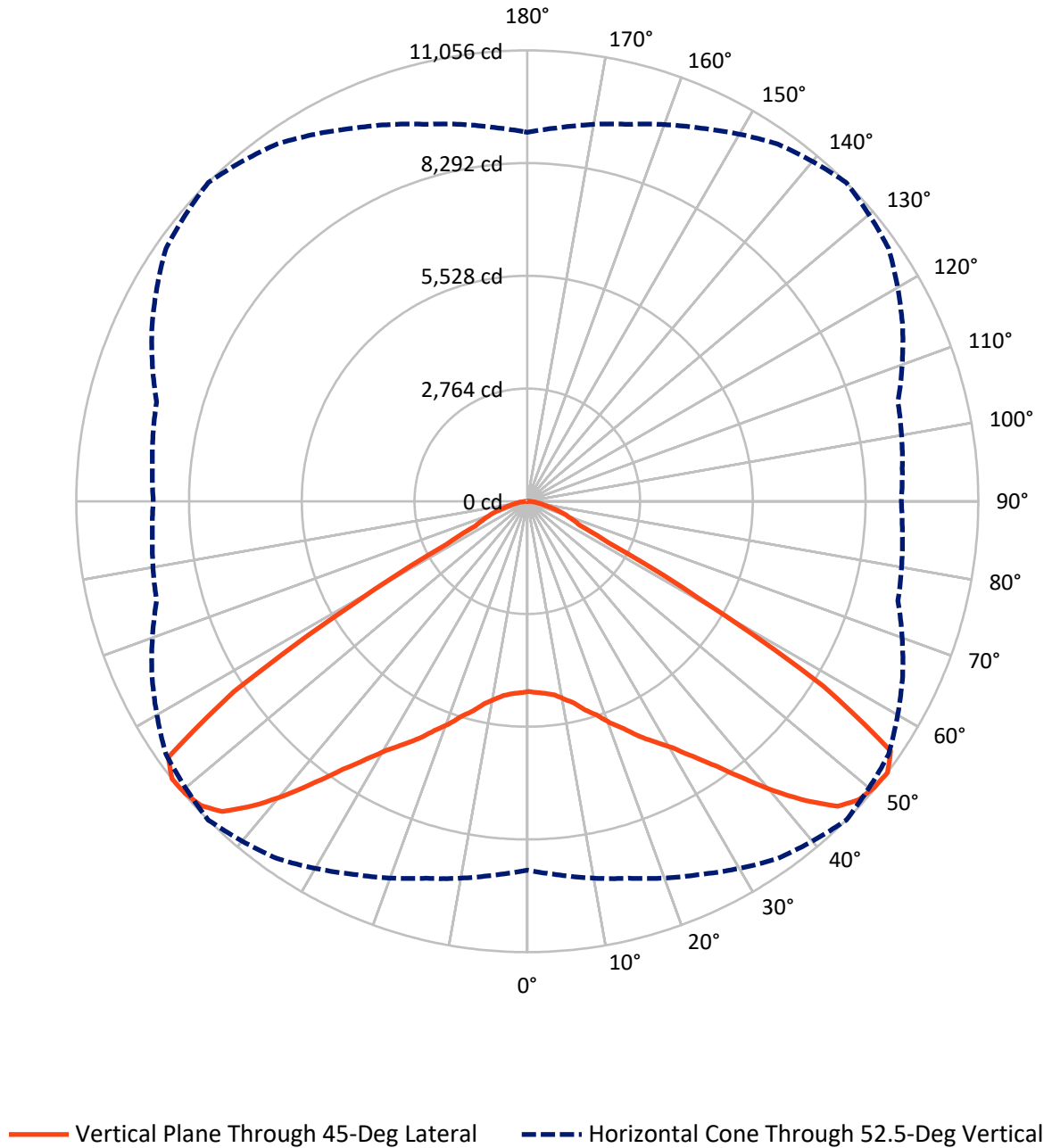
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13955.0	0.0	13955.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13955.0	0.0	13955.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	27910.0	0.0	27910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	1.6
10°-20°	1506.2	5.4
20°-30°	2867.6	10.3
30°-40°	4923.8	17.6
40°-50°	7568.0	27.1
50°-60°	7685.2	27.5
60°-70°	2141.8	7.7
70°-80°	631.8	2.3
80°-90°	127.3	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°	27910.0	100.0
0°-180°	27910.0	100.0

Coefficient of Utilization



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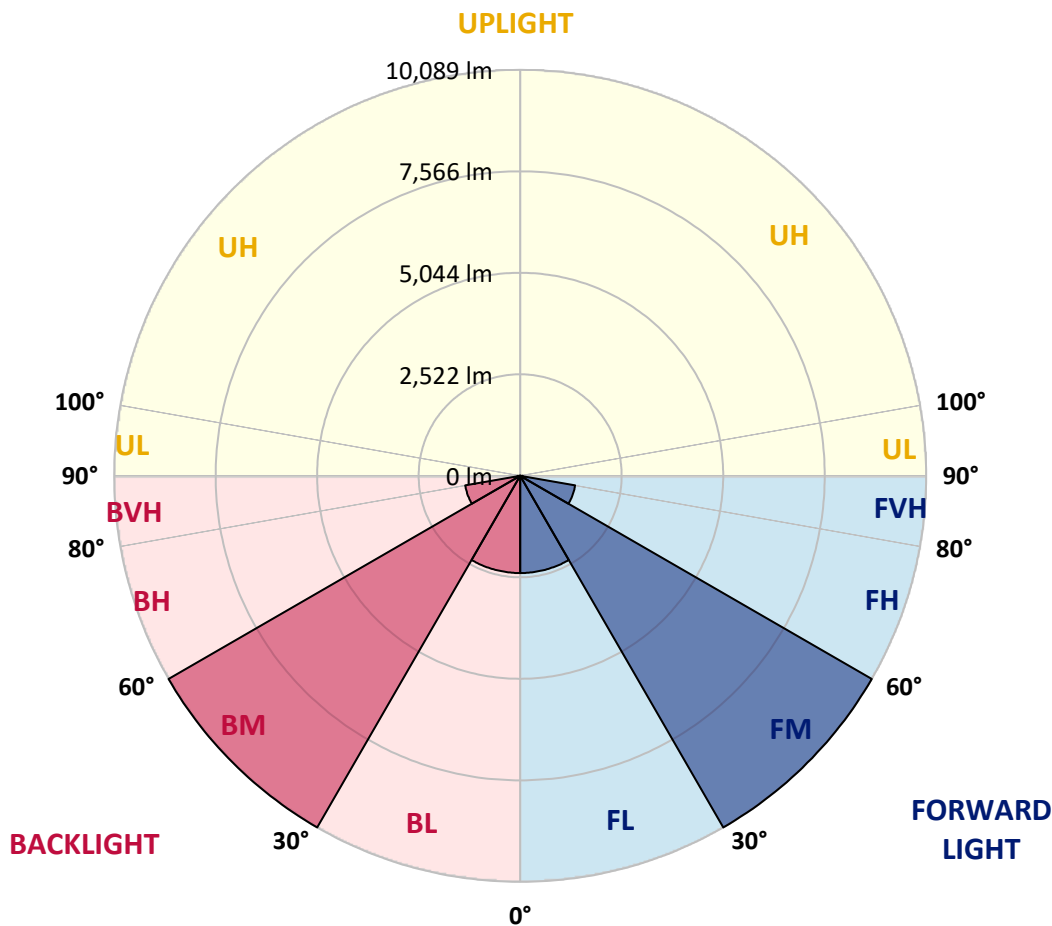
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2416.1	8.7			
FM (30°-60°)	10088.5	36.1			
FH (60°-80°)	1386.8	5.0			G1/1800
FVH (80°-90°)	63.6	0.2			G1/100
BL (0°-30°)	2416.1	8.7	B3/2500		
BM (30°-60°)	10088.5	36.1	B5		
BH (60°-80°)	1386.8	5.0	B3/2500		G1/1800
BVH (80°-90°)	63.6	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°	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5	4665.5
2.5°	4675.9	4627.4	4644.7	4655.1	4700.2	4696.7	4686.3	4700.2	4714.0	4717.5	4710.6
5°	4672.5	4637.8	4651.7	4662.1	4707.1	4731.3	4724.4	4783.3	4824.9	4814.5	4866.4
7.5°	4644.7	4665.5	4648.2	4700.2	4738.3	4797.1	4859.5	4914.9	4966.9	5025.7	5036.1
10°	4707.1	4707.1	4738.3	4779.8	4880.3	4925.3	5015.4	5095.0	5195.5	5264.7	5237.0
12.5°	4772.9	4783.3	4783.3	4890.7	4973.8	5074.2	5157.4	5264.7	5406.7	5489.9	5531.4
15°	4838.7	4845.6	4880.3	5025.7	5150.4	5309.8	5386.0	5482.9	5562.6	5718.5	5721.9
17.5°	4897.6	4935.7	5039.6	5202.4	5358.3	5510.7	5631.9	5732.3	5801.6	5863.9	5850.1
20°	5119.3	5147.0	5254.3	5417.1	5649.2	5798.1	5839.7	5857.0	5902.0	6026.7	5988.6
22.5°	5334.0	5344.4	5444.8	5694.2	5857.0	6054.4	6099.5	6089.1	6106.4	6137.6	6193.0
25°	5555.7	5573.0	5711.5	5922.8	6151.4	6387.0	6425.1	6345.4	6321.1	6355.8	6359.2
27.5°	5839.7	5843.2	6019.8	6203.4	6463.2	6684.8	6743.7	6681.4	6567.1	6594.8	6639.8
30°	6199.9	6175.7	6352.3	6615.6	6889.2	7013.9	7114.3	7083.1	6958.5	6934.2	6896.1
32.5°	6615.6	6622.5	6781.8	7069.3	7249.4	7457.2	7564.6	7512.6	7433.0	7391.4	7415.7
35°	7200.9	7232.1	7339.5	7578.4	7869.4	7973.3	8143.0	8032.2	7824.4	7876.3	7921.3
37.5°	7682.4	7772.4	7973.3	8257.3	8430.5	8621.0	8683.3	8534.4	8382.0	8319.7	8468.6
40°	8420.1	8392.4	8614.1	8898.1	9154.4	9344.9	9265.2	9116.3	8738.8	8742.2	8783.8
42.5°	9054.0	9067.8	9237.5	9577.0	9926.8	10044.6	9791.7	9428.0	9008.9	8963.9	9054.0
45°	9587.4	9642.8	9739.8	10193.5	10536.4	10664.6	10197.0	9767.5	9206.4	9019.3	9168.3
47.5°	9777.9	9867.9	10079.2	10494.8	10834.3	10938.2	10564.1	9947.6	9389.9	9085.1	9164.8
50°	9805.6	9774.4	10120.8	10501.8	10799.6	11024.8	10695.7	10079.2	9344.9	9185.6	9161.3
52.5°	9047.0	9199.4	9570.0	10093.0	10695.7	11055.9	10813.5	10151.9	9407.2	9227.1	9168.3
55°	7322.1	7142.0	7817.4	8697.2	9805.6	10806.6	10771.9	10190.0	9445.3	9296.4	9216.7
57.5°	4087.1	4139.1	4520.1	5476.0	6906.5	8569.0	9577.0	9788.2	9428.0	9341.4	9383.0
60°	1891.1	1908.5	2071.3	2518.1	3404.8	4859.5	6186.1	7533.4	8153.4	8278.1	8278.1
62.5°	1409.7	1402.8	1444.3	1524.0	1711.0	2234.0	2982.2	4052.5	4904.5	5500.3	5656.1
65°	1274.6	1271.2	1291.9	1319.6	1333.5	1406.2	1572.5	1901.5	2178.6	2338.0	2310.2
67.5°	1115.3	1111.8	1118.8	1136.1	1160.3	1198.4	1240.0	1309.3	1406.2	1399.3	1382.0
70°	900.5	900.5	910.9	924.8	952.5	997.5	1046.0	1094.5	1177.6	1195.0	1191.5
72.5°	665.0	654.6	675.4	703.1	730.8	786.2	838.2	883.2	942.1	959.4	952.5
75°	422.6	429.5	443.3	474.5	523.0	561.1	616.5	654.6	692.7	706.6	710.0
77.5°	235.5	242.5	266.7	304.8	353.3	394.9	443.3	474.5	498.8	502.2	505.7
80°	142.0	145.5	169.7	204.4	245.9	290.9	329.0	360.2	381.0	370.6	367.1
82.5°	86.6	90.1	110.8	142.0	176.6	211.3	252.8	280.6	301.3	287.5	273.6
85°	45.0	48.5	65.8	86.6	114.3	131.6	131.6	117.8	114.3	107.4	103.9
87.5°	13.9	13.9	17.3	20.8	17.3	20.8	24.2	27.7	27.7	31.2	27.7
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)