

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: P534079

Luminaire Tested: **GALN-SA9C-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534079
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-SA9C-740-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 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: 41188 lumens
Efficiency: N/A
Efficacy: 85.6 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

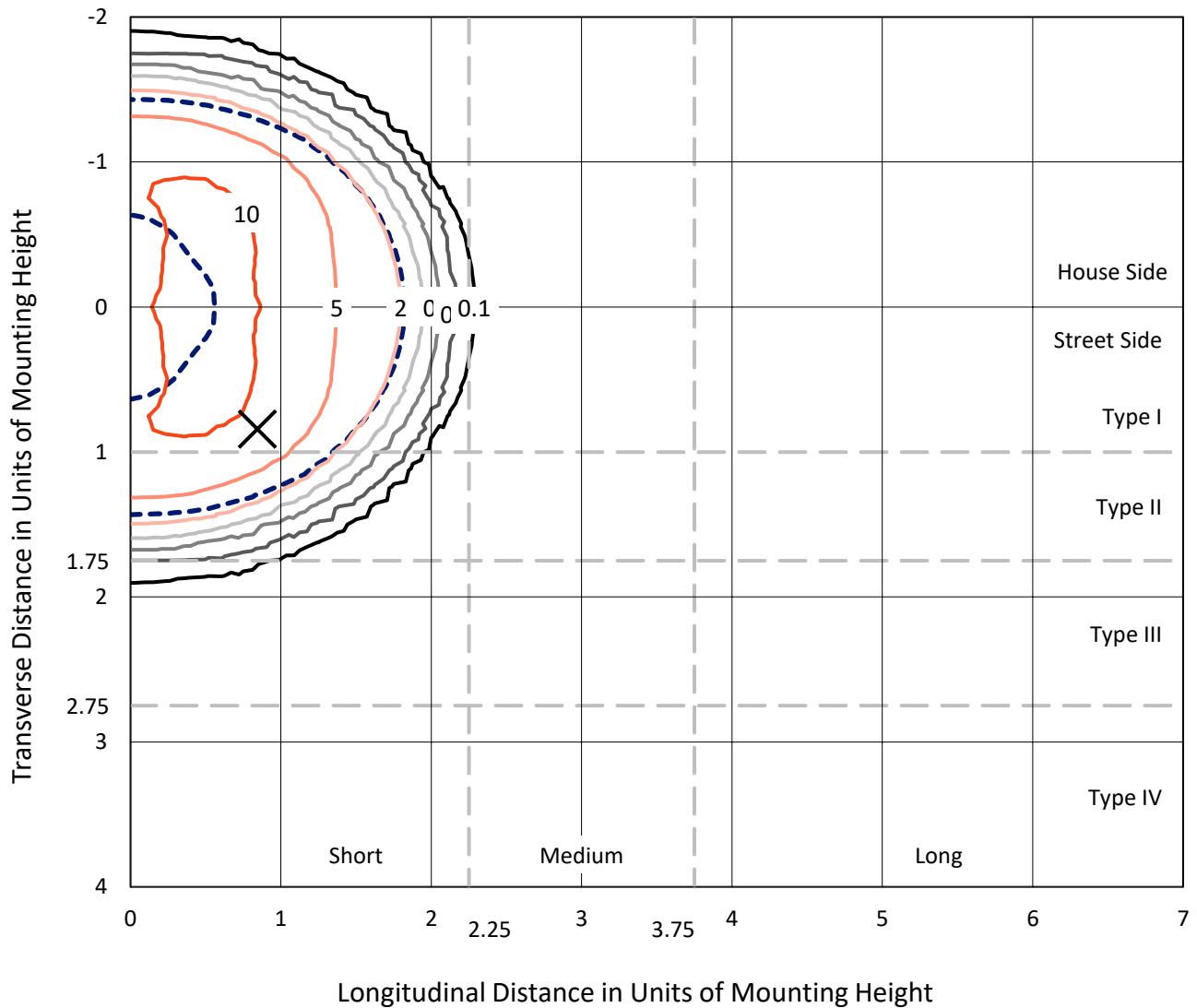
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

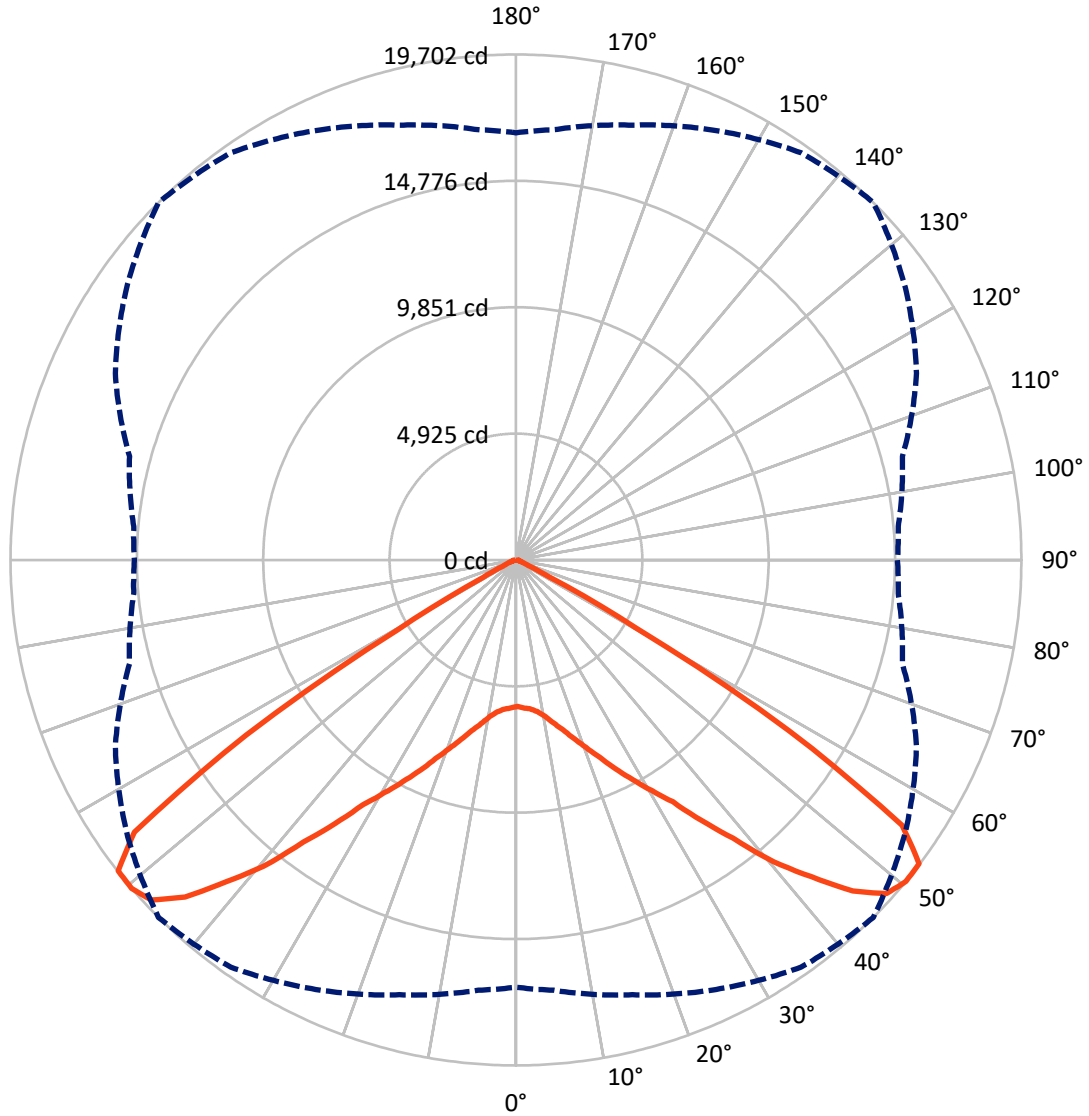
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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	20594.0	0.0	20594.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20594.0	0.0	20594.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	41188.0	0.0	41188.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.1	1.4
10°-20°	1957.9	4.8
20°-30°	3998.9	9.7
30°-40°	7625.9	18.5
40°-50°	12850.8	31.2
50°-60°	12255.5	29.8
60°-70°	1710.8	4.2
70°-80°	163.6	0.4
80°-90°	56.5	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°	41188.0	100.0
0°-180°	41188.0	100.0

Coefficient of Utilization



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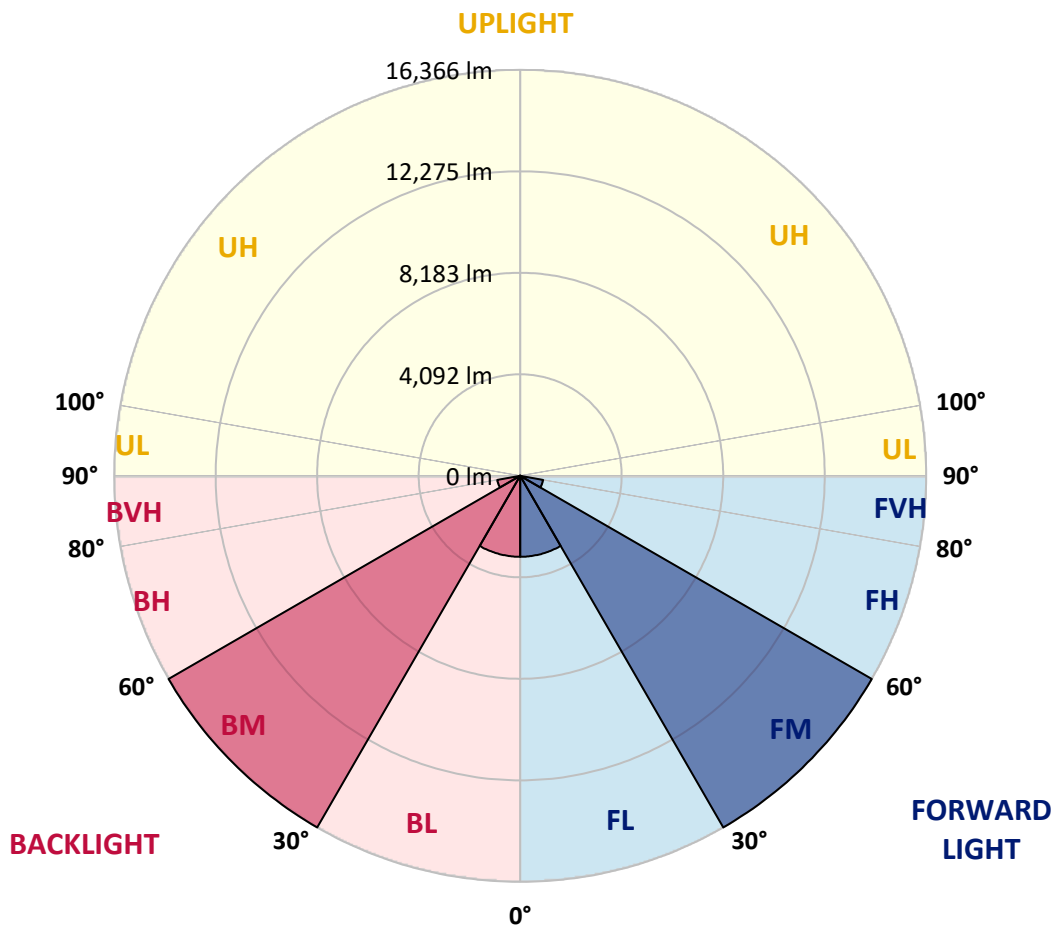
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3262.5	7.9			
FM (30°-60°)	16366.1	39.7			
FH (60°-80°)	937.2	2.3			G1/1800
FVH (80°-90°)	28.3	0.1			G1/100
BL (0°-30°)	3262.5	7.9	B4/5000		
BM (30°-60°)	16366.1	39.7	B5		
BH (60°-80°)	937.2	2.3	B2/1000		G1/1800
BVH (80°-90°)	28.3	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°	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3	5710.3
2.5°	5689.5	5689.5	5682.5	5738.0	5710.3	5772.6	5765.7	5786.5	5807.3	5800.4	5855.8
5°	5641.0	5634.0	5634.0	5696.4	5758.8	5828.1	5890.4	5932.0	6001.3	6001.3	6070.6
7.5°	5689.5	5654.8	5703.3	5731.1	5848.9	5966.7	6070.6	6153.8	6313.2	6368.6	6347.8
10°	5703.3	5744.9	5779.6	5862.7	6008.3	6188.4	6278.5	6486.4	6666.6	6791.3	6819.1
12.5°	5793.4	5855.8	5952.8	6153.8	6285.4	6521.1	6645.8	6846.8	7096.2	7234.8	7331.9
15°	5966.7	5987.5	6112.2	6368.6	6652.7	6867.6	7061.6	7207.1	7449.7	7609.1	7616.0
17.5°	6188.4	6278.5	6451.8	6694.3	6992.3	7311.1	7463.5	7622.9	7713.0	7927.8	7976.4
20°	6631.9	6645.8	6812.1	7130.9	7505.1	7796.2	7907.1	7990.2	7955.6	8177.3	8218.9
22.5°	7047.7	7061.6	7269.5	7699.2	8101.1	8350.6	8399.1	8350.6	8246.6	8406.0	8419.9
25°	7470.5	7595.2	7747.7	8177.3	8676.3	9008.9	9015.8	8884.2	8669.3	8697.1	8766.4
27.5°	8128.8	8218.9	8378.3	8773.3	9320.8	9695.0	9632.6	9473.2	9196.0	9216.8	9196.0
30°	8898.0	8981.2	9112.9	9618.7	10020.7	10429.5	10519.6	10367.2	9951.4	9861.3	9965.2
32.5°	9826.6	9944.5	10187.0	10651.3	10990.9	11240.3	11302.7	11247.3	10859.2	10824.6	10893.9
35°	10956.2	11115.6	11337.4	11746.2	12023.4	12473.9	12473.9	12286.8	11933.3	11974.9	11968.0
37.5°	12148.2	12383.8	12730.3	13146.1	13520.3	13762.8	13686.6	13527.2	13173.8	13083.7	13173.8
40°	13645.0	13762.8	14199.4	14740.0	15197.3	15474.5	15148.8	14802.3	13956.9	14088.5	14331.1
42.5°	15010.2	15197.3	15530.0	16125.9	16645.7	16874.4	16486.3	15800.2	14781.5	14677.6	14857.8
45°	16174.5	16375.4	16812.0	17664.4	18211.9	18412.8	17553.5	16444.7	15280.5	15017.2	15093.4
47.5°	16950.6	17054.6	17664.4	18475.2	18974.2	19431.5	18198.0	16888.2	15516.1	15017.2	14989.4
50°	16652.6	16832.8	17546.6	18468.3	19376.1	19701.8	18523.7	17227.8	15592.3	14954.8	14871.6
52.5°	14788.5	15100.3	15897.3	17137.7	18509.8	19674.1	18974.2	17116.9	15564.6	15017.2	15141.9
55°	10290.9	10297.9	11268.1	13097.6	15523.0	18267.3	18315.8	17241.7	15744.8	15405.2	15412.2
57.5°	4137.2	4345.1	5086.6	6923.0	9161.4	12543.2	14913.2	15994.3	15765.6	15682.4	15897.3
60°	1046.4	1053.3	1282.0	1954.2	3222.4	5377.6	7810.0	10568.1	12169.0	12716.4	12792.7
62.5°	533.6	540.5	596.0	693.0	880.1	1441.4	2564.1	4067.9	5786.5	6659.7	6888.4
65°	436.6	436.6	471.2	519.7	526.7	554.4	665.3	949.4	1379.1	1566.2	1587.0
67.5°	332.6	332.6	360.4	388.1	401.9	395.0	381.1	395.0	478.2	457.4	443.5
70°	207.9	214.8	228.7	256.4	270.3	277.2	284.1	298.0	339.6	353.4	339.6
72.5°	124.7	124.7	131.7	152.5	173.2	187.1	207.9	221.8	242.5	277.2	270.3
75°	55.4	55.4	69.3	90.1	110.9	131.7	152.5	173.2	187.1	207.9	214.8
77.5°	13.9	20.8	34.6	62.4	83.2	110.9	138.6	159.4	173.2	173.2	166.3
80°	6.9	6.9	27.7	48.5	90.1	117.8	152.5	166.3	187.1	173.2	152.5
82.5°	6.9	6.9	27.7	48.5	83.2	117.8	159.4	180.2	194.0	173.2	145.5
85°	0.0	6.9	20.8	41.6	69.3	83.2	69.3	48.5	27.7	27.7	20.8
87.5°	0.0	0.0	6.9	6.9	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)