

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: P534019

Luminaire Tested: **GALN-SA9C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534019
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-SA9C-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 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: 34835 lumens
Efficiency: N/A
Efficacy: 72.4 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

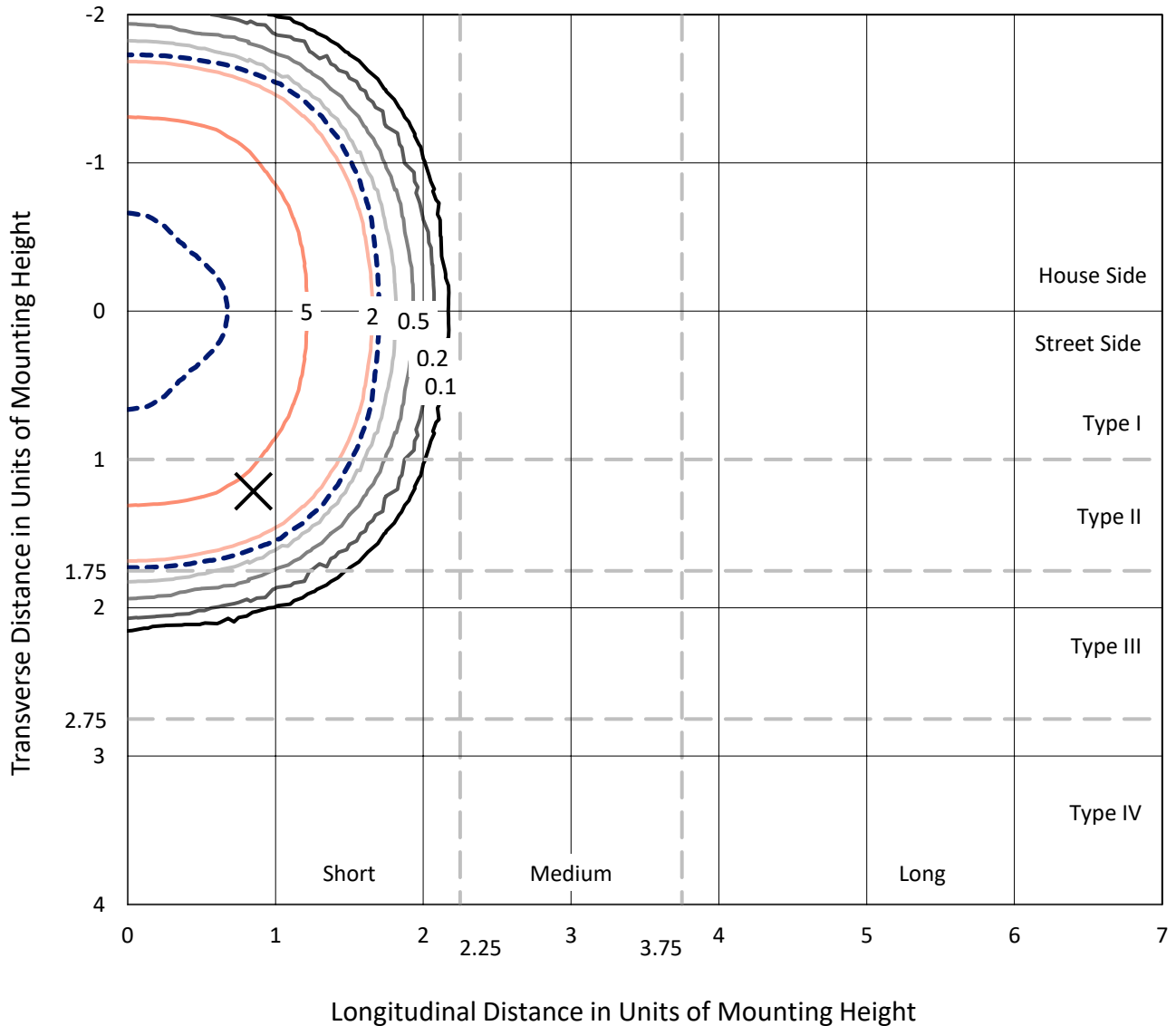
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

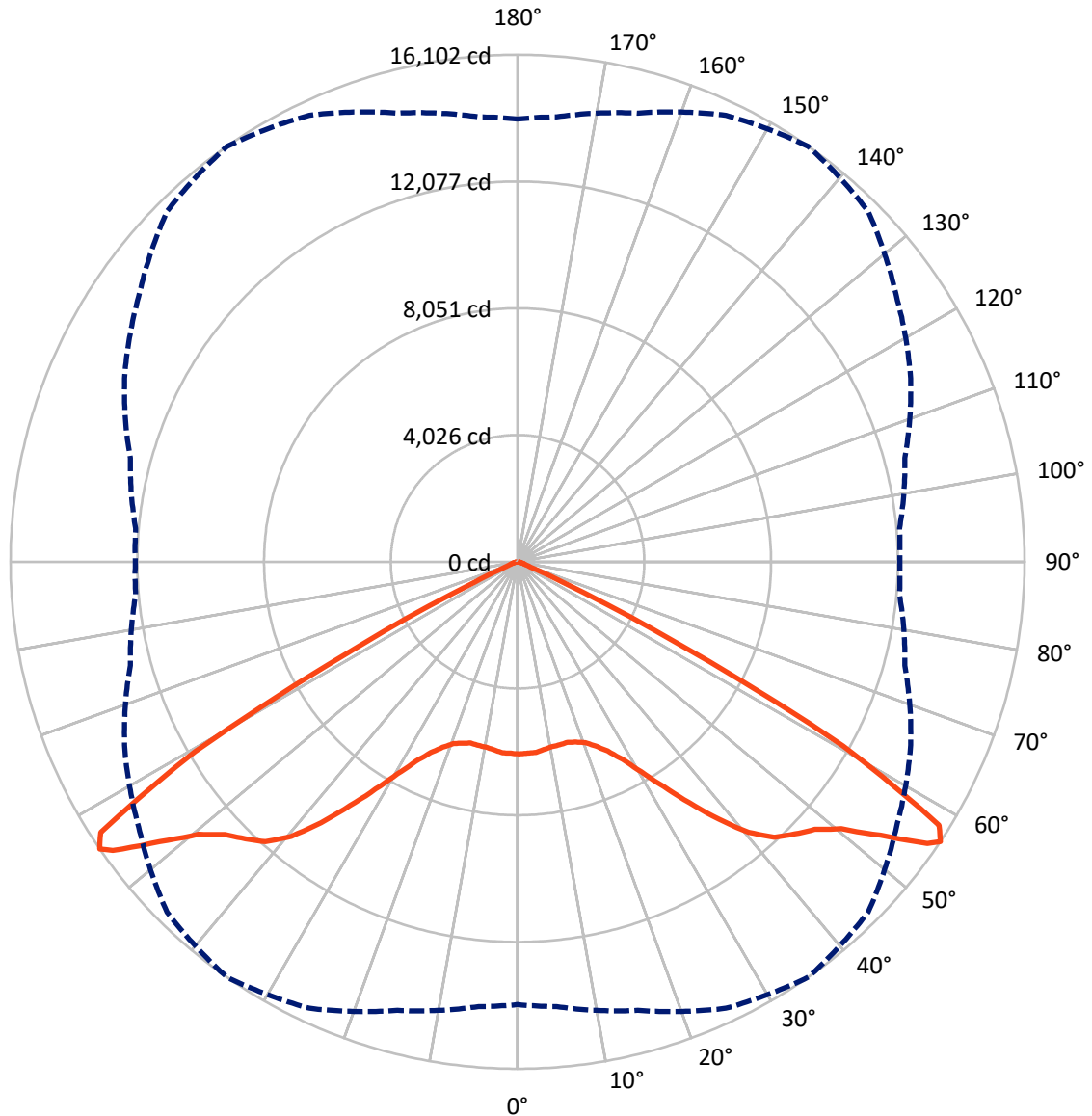
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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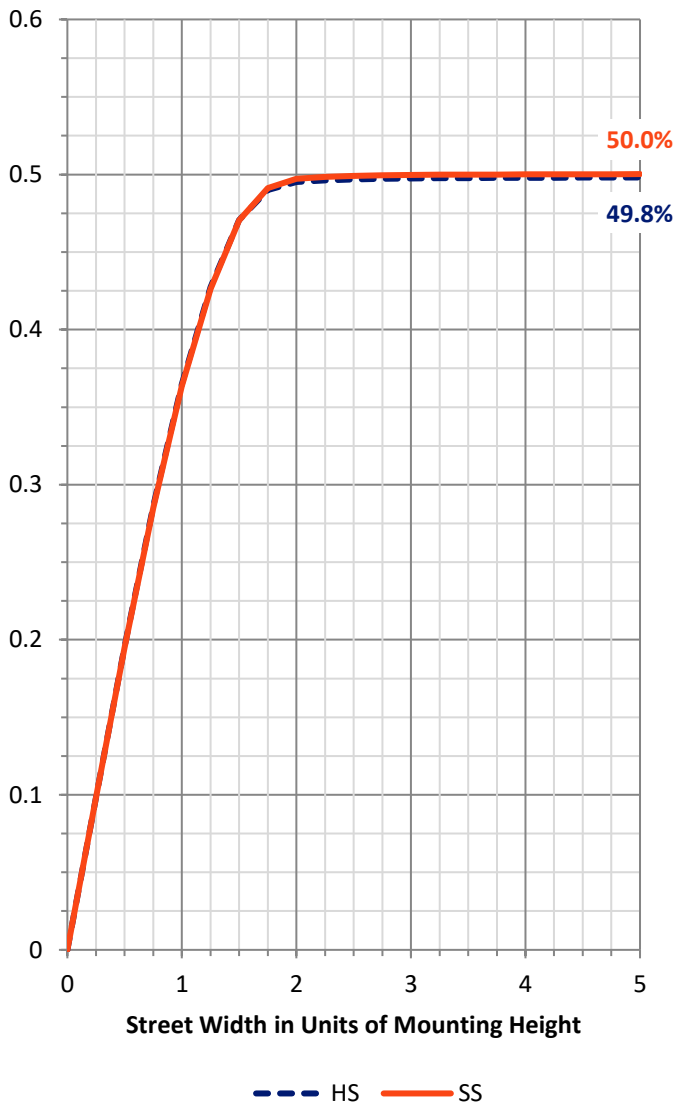
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17417.5	0.0	17417.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17417.5	0.0	17417.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	34835.0	0.0	34835.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.7	1.6
10°-20°	1674.8	4.8
20°-30°	3032.9	8.7
30°-40°	5624.1	16.1
40°-50°	9231.5	26.5
50°-60°	11892.9	34.1
60°-70°	2621.1	7.5
70°-80°	152.1	0.4
80°-90°	32.0	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°	34835.0	100.0
0°-180°	34835.0	100.0

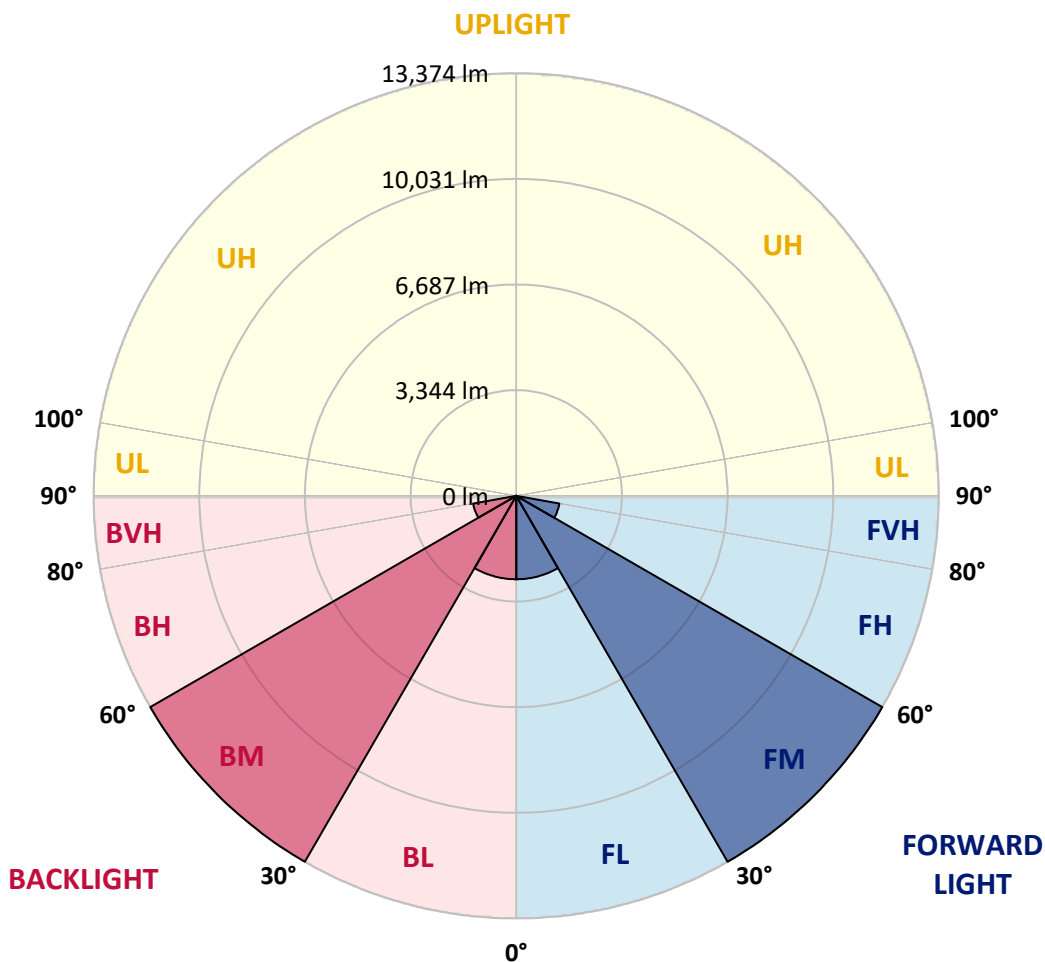


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2640.7	7.6			
FM (30°-60°)	13374.2	38.4			
FH (60°-80°)	1386.6	4.0			G1/1800
FVH (80°-90°)	16.0	0.0			G1/100
BL (0°-30°)	2640.7	7.6	B4/5000		
BM (30°-60°)	13374.2	38.4	B5		
BH (60°-80°)	1386.6	4.0	B3/2500		G1/1800
BVH (80°-90°)	16.0	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°	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8	6103.8
2.5°	6116.5	6116.5	6122.8	6129.1	6084.9	6066.0	6072.3	6059.7	6053.3	6072.3	6072.3
5°	6097.5	6097.5	6078.6	6084.9	6084.9	6028.1	6028.1	6040.7	6040.7	6002.8	5990.2
7.5°	6047.0	6034.4	6009.2	6040.7	6021.8	6021.8	5977.6	5946.0	5933.4	5958.7	5933.4
10°	5939.7	5946.0	5971.3	5983.9	5971.3	6009.2	5933.4	5889.2	5845.0	5826.1	5826.1
12.5°	5889.2	5927.1	5889.2	5920.8	5965.0	5933.4	5889.2	5857.7	5794.5	5769.3	5769.3
15°	5882.9	5908.2	5920.8	5965.0	5946.0	5958.7	5870.3	5832.4	5737.7	5693.6	5674.6
17.5°	5876.6	5908.2	5927.1	6009.2	6021.8	6028.1	5958.7	5845.0	5763.0	5718.8	5674.6
20°	5946.0	5958.7	5996.5	6078.6	6129.1	6217.5	6091.2	5971.3	5794.5	5744.0	5725.1
22.5°	6034.4	6097.5	6135.4	6223.8	6356.3	6432.1	6268.0	6116.5	5933.4	5870.3	5794.5
25°	6318.5	6305.8	6369.0	6552.0	6659.3	6716.1	6583.6	6362.6	6122.8	6047.0	6059.7
27.5°	6671.9	6684.6	6741.4	6943.4	7101.2	7189.5	7031.7	6741.4	6507.8	6381.6	6369.0
30°	7132.7	7120.1	7183.2	7454.6	7738.7	7871.2	7593.5	7252.7	7025.4	6861.3	6899.2
32.5°	7618.8	7625.1	7801.8	8048.0	8508.8	8767.6	8319.4	7902.8	7561.9	7448.3	7391.5
35°	8338.3	8369.9	8508.8	8887.5	9398.8	9733.3	9241.0	8742.3	8351.0	8142.7	8167.9
37.5°	9228.4	9196.8	9430.3	9840.6	10377.2	10623.3	10206.7	9638.6	9241.0	9102.1	9190.5
40°	10175.2	10206.7	10326.7	10699.1	11298.7	11462.8	10844.3	10535.0	10187.8	10118.4	10225.7
42.5°	11122.0	11103.1	11191.4	11526.0	11961.5	11847.9	11481.8	11298.7	11052.6	10913.7	11058.9
45°	11816.3	11784.8	11948.9	12176.1	12333.9	12119.3	11955.2	11892.1	11765.8	11614.3	11746.9
47.5°	12491.7	12466.5	12624.3	12687.4	12700.0	12416.0	12447.5	12561.2	12245.6	11929.9	12081.4
50°	13066.1	13021.9	13217.6	13356.5	13324.9	12870.5	12984.1	12870.5	12378.1	12005.7	11948.9
52.5°	14025.6	14044.5	14252.8	14505.3	14429.6	14050.8	13886.7	13369.1	12737.9	12403.4	12207.7
55°	14631.5	14536.9	14896.7	15698.3	15786.7	15395.3	14669.4	13905.6	12958.8	12548.5	12498.0
56°	14063.5	14183.4	14751.5	15647.8	16102.3	15742.5	14688.4	13773.1	12731.6	12176.1	12138.2
57.5°	12618.0	12554.9	13324.9	14549.5	15786.7	15635.2	14170.8	12826.3	11614.3	10989.4	10913.7
60°	7852.3	8035.4	8710.8	10225.7	11879.5	11955.2	10503.4	9348.3	7934.4	7378.9	7511.4
62.5°	3074.0	2916.2	3339.1	4469.0	5605.2	5857.7	5308.5	4412.2	3623.2	3074.0	3036.1
65°	713.3	694.3	782.7	1079.4	1508.6	1748.5	1660.1	1193.0	877.4	833.2	770.1
67.5°	404.0	404.0	385.0	385.0	422.9	448.2	429.2	422.9	441.8	460.8	454.5
70°	284.0	277.7	265.1	271.4	258.8	258.8	277.7	309.3	334.5	334.5	340.9
72.5°	170.4	170.4	170.4	189.4	189.4	189.4	208.3	233.5	239.9	233.5	227.2
75°	75.7	75.7	88.4	107.3	119.9	126.2	145.2	157.8	170.4	157.8	145.2
77.5°	18.9	18.9	31.6	44.2	56.8	69.4	94.7	113.6	119.9	113.6	94.7
80°	6.3	6.3	12.6	31.6	56.8	69.4	94.7	101.0	107.3	94.7	75.7
82.5°	6.3	6.3	12.6	31.6	44.2	56.8	75.7	88.4	94.7	82.1	75.7
85°	0.0	6.3	12.6	25.2	37.9	50.5	50.5	37.9	31.6	18.9	25.2
87.5°	0.0	0.0	6.3	6.3	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)