

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: P458109

Luminaire Tested: **GALN-SA9C-730-U-5WQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P458109
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 60749 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

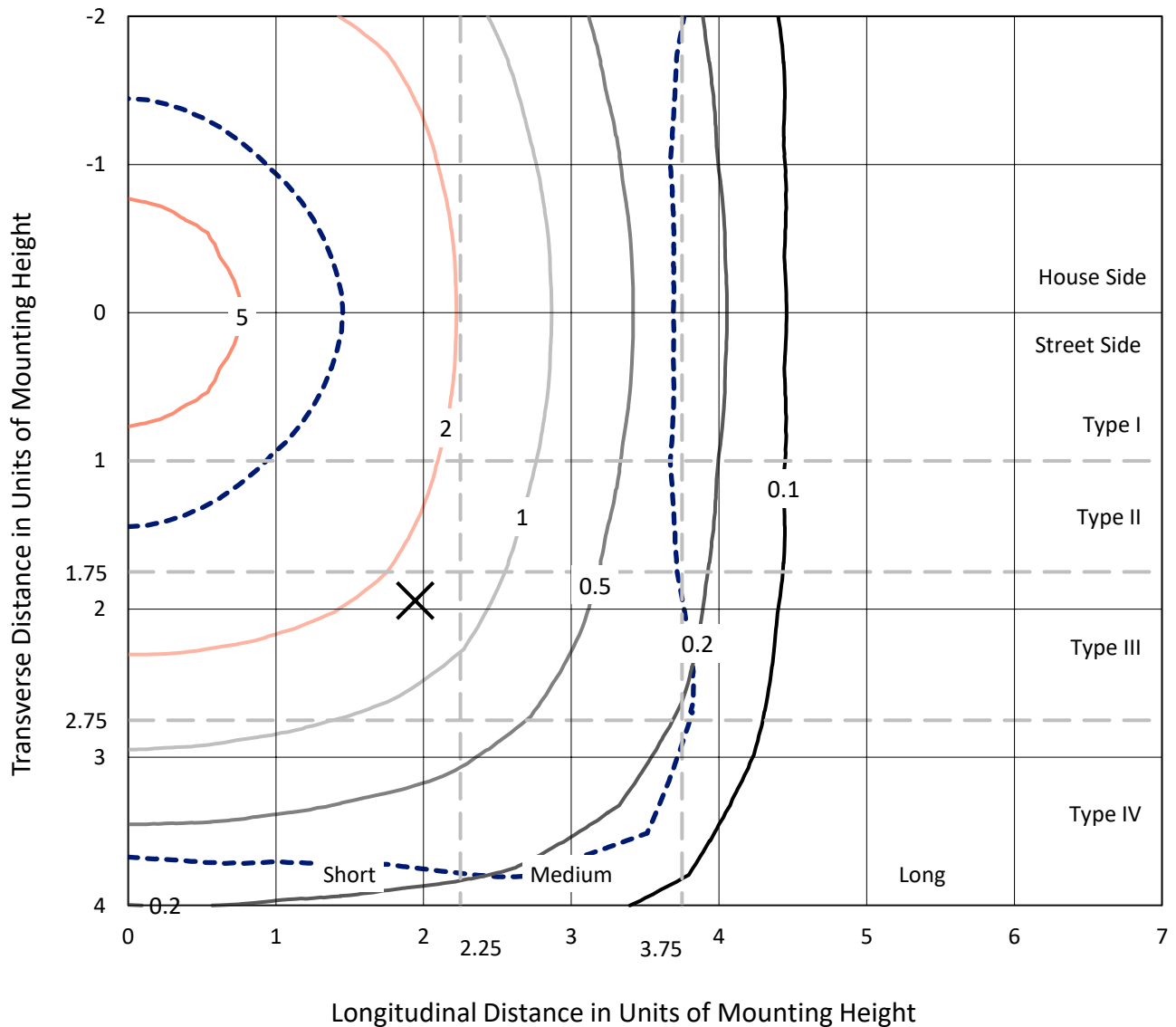
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

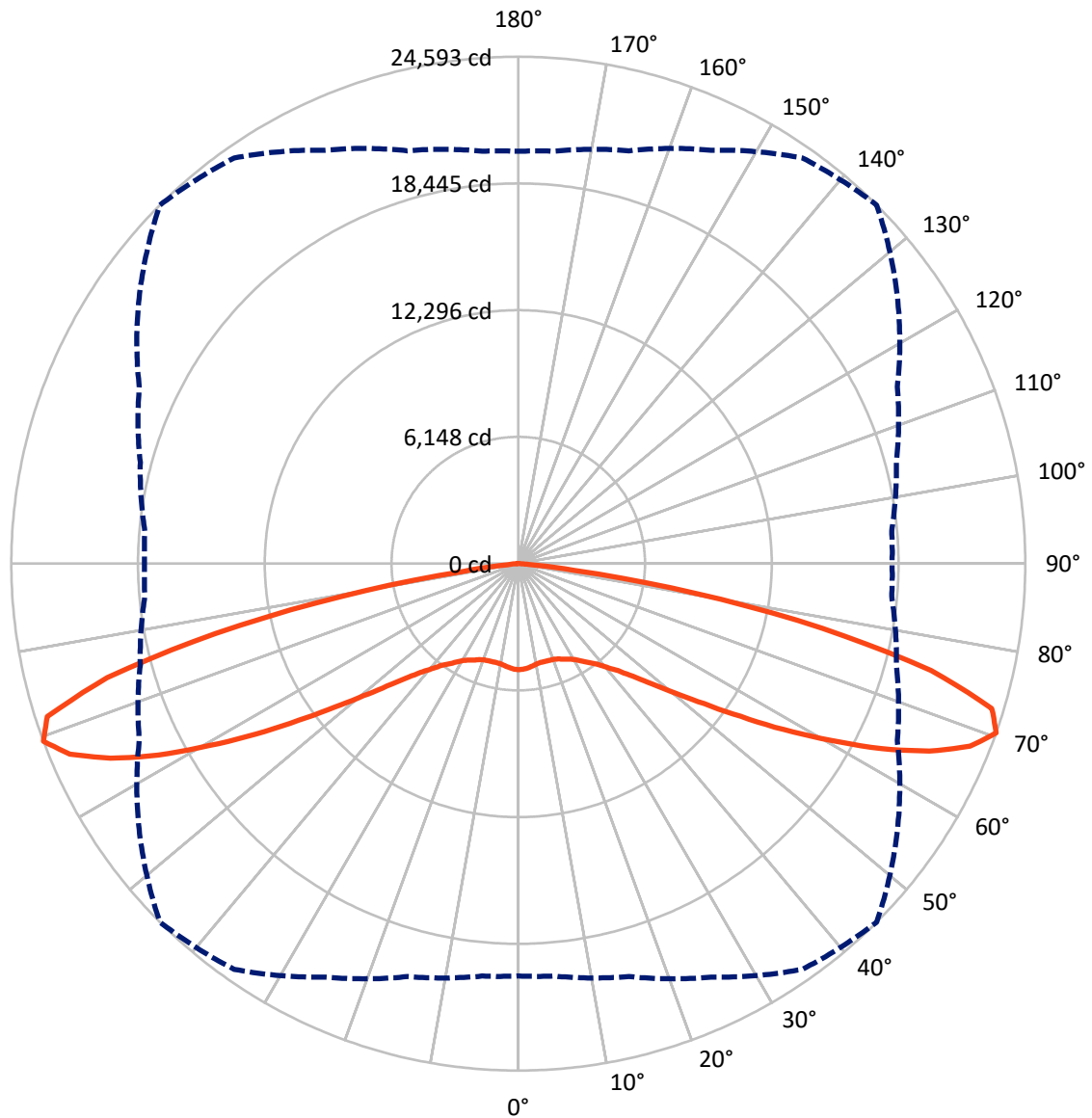
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	30374.5	0.0	30374.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	30374.5	0.0	30374.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	60749.0	0.0	60749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.0	0.8
10°-20°	1408.1	2.3
20°-30°	2399.1	3.9
30°-40°	3718.5	6.1
40°-50°	6258.8	10.3
50°-60°	11387.6	18.7
60°-70°	19279.0	31.7
70°-80°	14922.7	24.6
80°-90°	894.2	1.5
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°	60749.0	100.0
0°-180°	60749.0	100.0

Coefficient of Utilization



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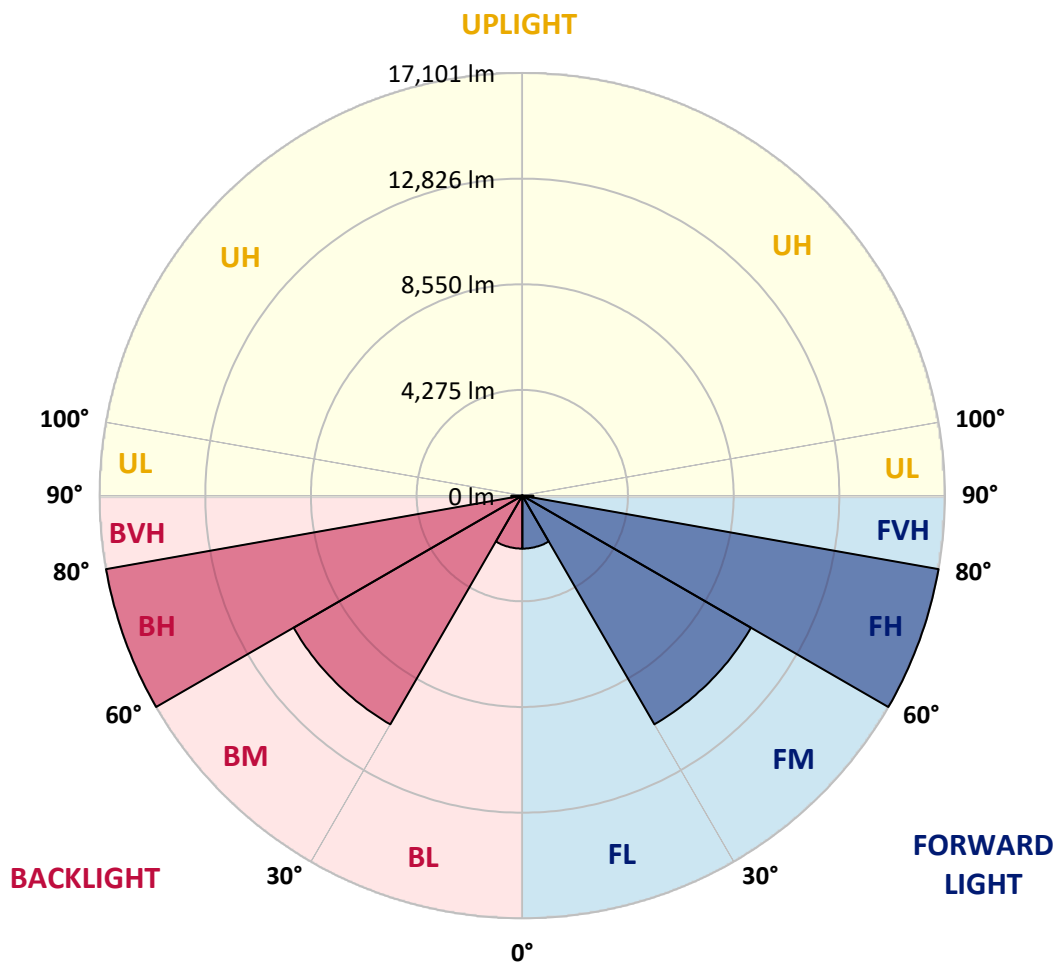
CATALOG NUMBER: GALN-SA9C-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2144.1	3.5			
FM (30°-60°)	10682.5	17.6			
FH (60°-80°)	17100.8	28.1			G5
FVH (80°-90°)	447.1	0.7			G3/500
BL (0°-30°)	2144.1	3.5	B3/2500		
BM (30°-60°)	10682.5	17.6	B5		
BH (60°-80°)	17100.8	28.1	B5		G5
BVH (80°-90°)	447.1	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1	5143.1
2.5°	5130.3	5133.5	5133.5	5127.1	5123.9	5123.9	5120.7	5120.7	5130.3	5133.5	5136.7
5°	5085.4	5085.4	5085.4	5082.2	5075.8	5075.8	5069.4	5069.4	5072.6	5082.2	5075.8
7.5°	5024.4	5030.9	5030.9	5018.0	5008.4	5008.4	5005.2	5008.4	5011.6	5021.2	5018.0
10°	5005.2	5008.4	4992.3	4969.9	4953.8	4944.2	4947.4	4953.8	4969.9	4976.3	4979.5
12.5°	5018.0	5018.0	4989.1	4957.1	4928.2	4915.3	4912.1	4934.6	4963.5	4982.7	4989.1
15°	5034.1	5027.6	4992.3	4950.6	4921.8	4918.6	4915.3	4931.4	4973.1	5011.6	5014.8
17.5°	5043.7	5040.5	4995.6	4944.2	4928.2	4928.2	4925.0	4937.8	4982.7	5030.9	5034.1
20°	5075.8	5066.1	5014.8	4960.3	4947.4	4953.8	4944.2	4960.3	5008.4	5066.1	5079.0
22.5°	5139.9	5130.3	5079.0	5024.4	5018.0	5018.0	5014.8	5030.9	5082.2	5143.1	5152.8
25°	5216.9	5207.3	5159.2	5120.7	5127.1	5139.9	5133.5	5136.7	5178.4	5229.8	5245.8
27.5°	5319.6	5303.6	5261.9	5229.8	5249.0	5249.0	5249.0	5245.8	5271.5	5319.6	5335.7
30°	5444.7	5438.3	5393.4	5390.2	5406.2	5390.2	5390.2	5393.4	5396.6	5441.5	5457.6
32.5°	5608.4	5595.5	5573.1	5566.7	5611.6	5624.4	5579.5	5537.8	5560.2	5605.2	5614.8
35°	5877.9	5858.6	5826.5	5791.3	5826.5	5887.5	5791.3	5759.2	5816.9	5877.9	5884.3
37.5°	6243.6	6234.0	6182.7	6118.5	6115.3	6179.5	6080.0	6076.8	6185.9	6259.7	6269.3
40°	6702.5	6712.1	6647.9	6586.9	6554.9	6606.2	6529.2	6558.1	6664.0	6747.4	6741.0
42.5°	7347.4	7312.1	7212.6	7154.8	7119.6	7100.3	7081.1	7126.0	7244.7	7334.5	7405.1
45°	8101.3	8088.5	7963.4	7892.8	7815.8	7786.9	7780.5	7860.7	8005.1	8114.2	8123.8
47.5°	8954.8	8925.9	8845.7	8771.9	8743.0	8707.7	8675.7	8736.6	8881.0	8958.0	8980.5
50°	9833.9	9840.3	9840.3	9827.5	9856.4	9862.8	9776.1	9798.6	9878.8	9872.4	9866.0
52.5°	10838.1	10873.4	11040.3	11056.3	11194.3	11287.3	11130.1	11037.1	11008.2	10834.9	10847.8
55°	12018.9	12050.9	12301.2	12551.5	12923.6	13080.9	12750.4	12461.6	12256.3	11993.2	12006.0
57.5°	13491.5	13507.6	13745.0	14226.3	14816.6	15185.6	14604.9	14033.8	13616.7	13366.4	13266.9
60°	15076.5	15092.6	15439.1	16026.2	16943.8	17393.0	16674.3	15740.7	15214.5	14832.7	14858.3
62.5°	16979.1	17043.3	17354.5	18163.0	19276.4	19780.1	18827.2	17579.1	16866.8	16392.0	16411.2
65°	19016.5	19125.6	19465.7	20354.4	21381.1	21923.3	20755.5	19314.9	18429.3	17848.6	17909.6
67.5°	20338.4	20434.6	20925.5	21907.3	23187.5	23636.7	22128.7	20450.7	19343.8	18650.7	18522.4
70°	20001.5	20081.7	20736.2	22128.7	24024.9	24592.8	22455.9	20283.8	18981.2	18182.3	18131.0
72.5°	17656.1	17489.3	18445.4	20444.2	23068.8	24021.7	21426.0	18525.6	16886.1	16064.7	15968.5
75°	11701.2	12063.8	13475.5	15830.5	19517.0	20697.7	18288.2	14874.4	12811.3	12127.9	12022.1
77.5°	3911.1	4190.2	5444.7	8974.0	13305.4	15079.7	13324.7	9728.0	6882.1	5544.2	5569.9
80°	1036.3	1023.5	1325.1	2467.3	5749.5	8733.4	6692.8	3295.1	1803.1	1305.8	1238.5
82.5°	372.2	417.1	535.8	683.4	1524.0	2714.3	1915.4	924.0	677.0	500.5	484.5
85°	163.6	160.4	231.0	272.7	381.8	506.9	449.2	391.4	343.3	227.8	211.8
87.5°	35.3	35.3	54.5	41.7	67.4	67.4	83.4	99.5	102.7	67.4	54.5
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)