

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: P459152

Luminaire Tested: **GALN-SA6C-735-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P459152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40530 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

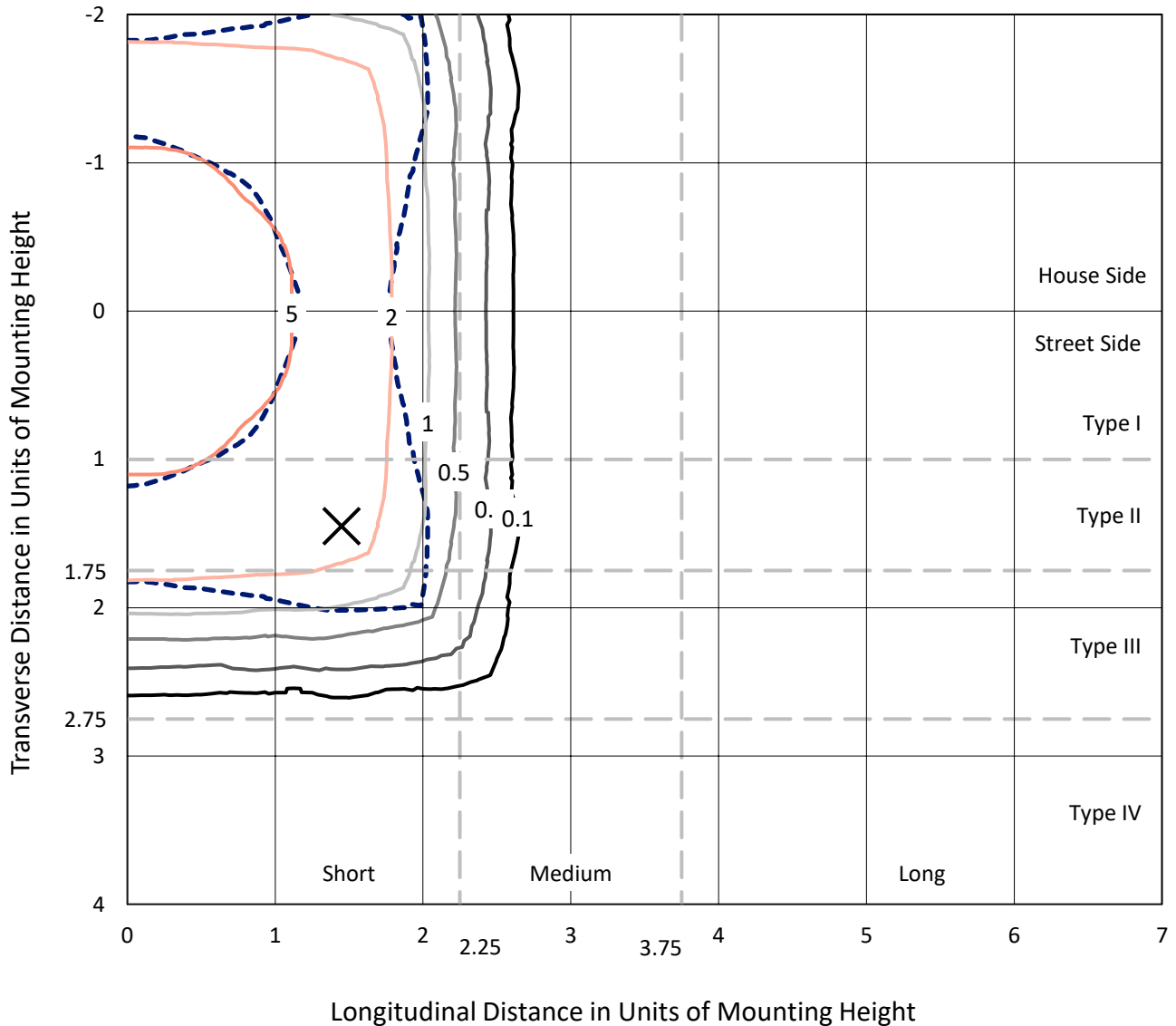
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

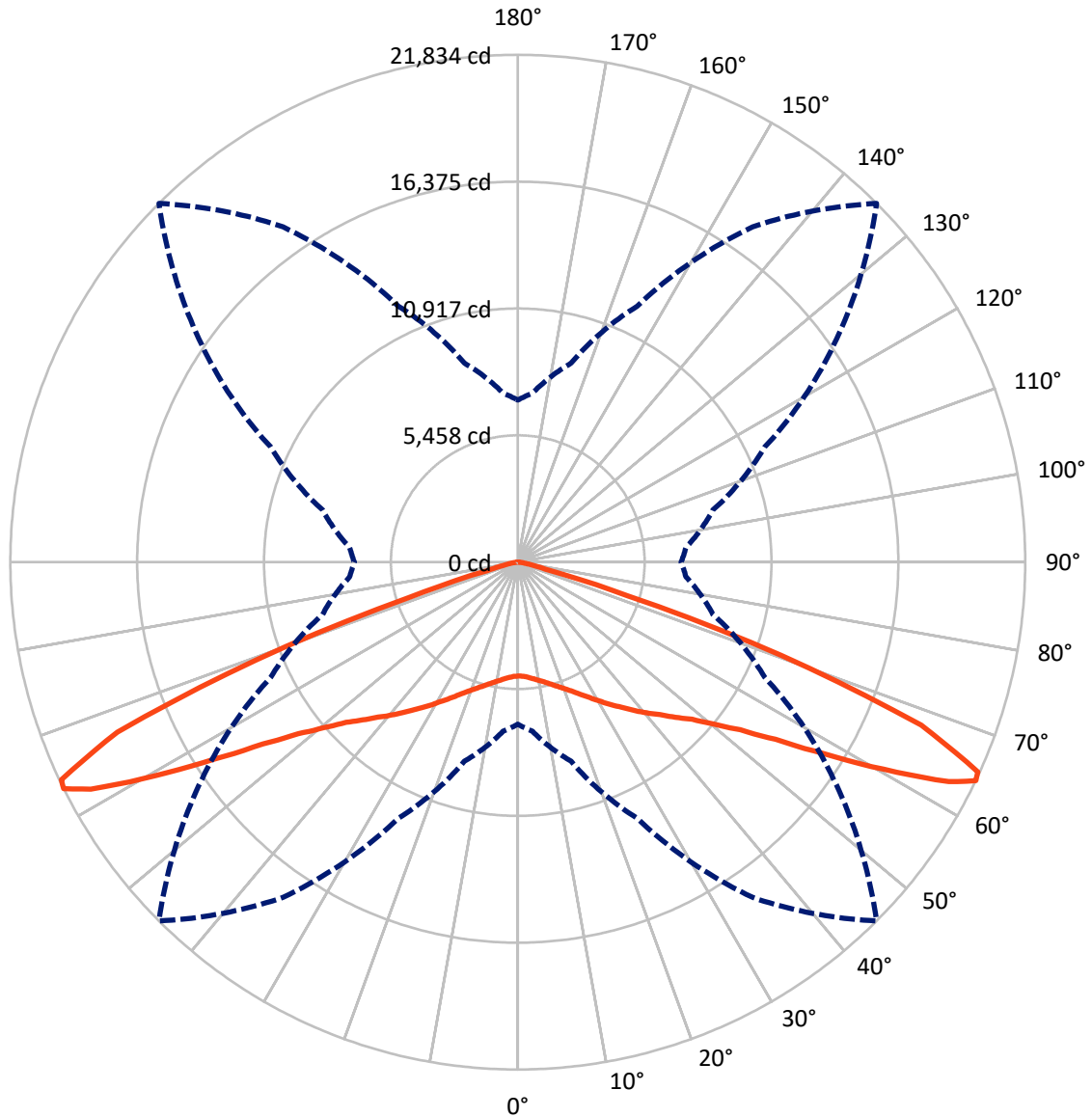
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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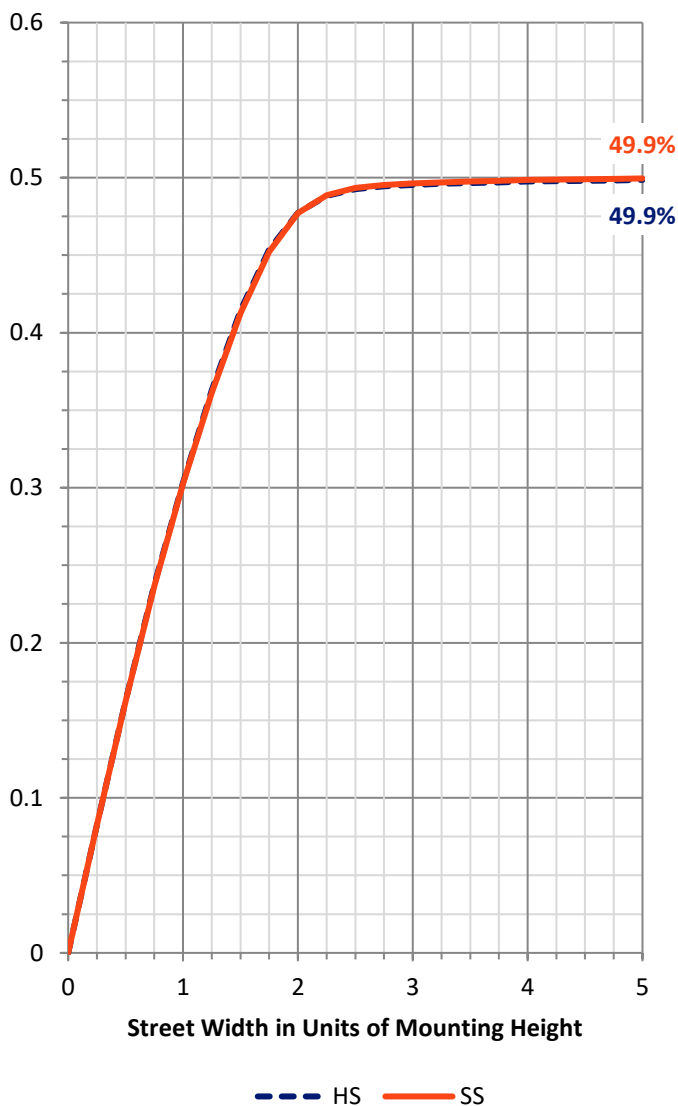
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20265.0	0.0	20265.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20265.0	0.0	20265.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40530.0	0.0	40530.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.3	1.2
10°-20°	1552.4	3.8
20°-30°	2933.6	7.2
30°-40°	4858.3	12.0
40°-50°	7584.7	18.7
50°-60°	11725.7	28.9
60°-70°	10110.9	24.9
70°-80°	1145.8	2.8
80°-90°	137.3	0.3
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°	40530.0	100.0
0°-180°	40530.0	100.0

Coefficient of Utilization



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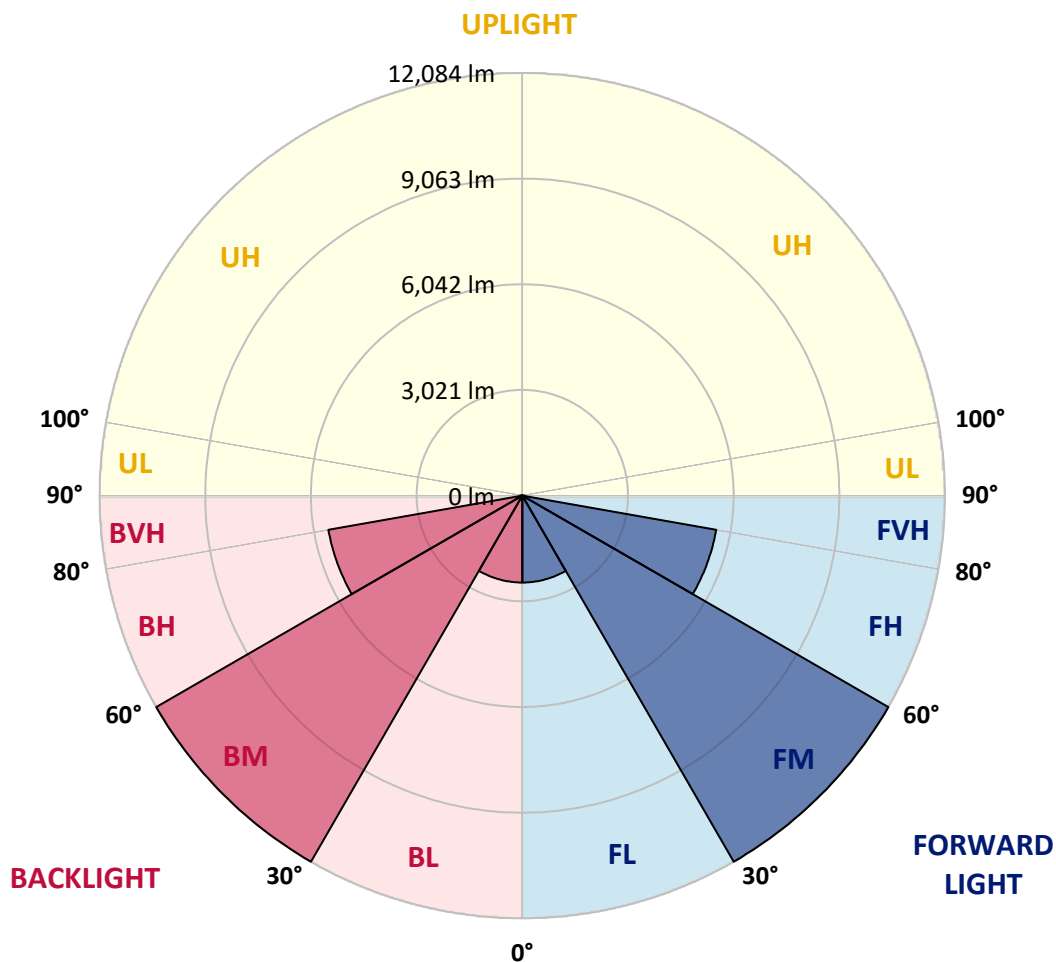
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2483.6	6.1			
FM	(30°-60°)	12084.4	29.8			
FH	(60°-80°)	5628.4	13.9			G3/7500
FVH	(80°-90°)	68.6	0.2			G1/100
BL	(0°-30°)	2483.6	6.1	B3/2500		
BM	(30°-60°)	12084.4	29.8	B5		
BH	(60°-80°)	5628.4	13.9	B5		G3/7500
BVH	(80°-90°)	68.6	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7	4898.7
2.5°	4918.1	4928.8	4920.2	4918.1	4915.9	4915.9	4915.9	4918.1	4926.6	4933.1	4928.8
5°	4980.3	4988.9	4984.6	4982.5	4980.3	4982.5	4978.2	4976.0	4982.5	4982.5	4980.3
7.5°	5057.6	5068.3	5064.0	5068.3	5070.5	5072.6	5061.9	5053.3	5051.1	5057.6	5053.3
10°	5162.8	5171.4	5173.5	5175.7	5179.9	5177.8	5164.9	5149.9	5147.7	5145.6	5143.5
12.5°	5280.8	5287.3	5289.4	5298.0	5304.5	5306.6	5291.6	5278.7	5257.2	5261.5	5252.9
15°	5413.9	5426.8	5424.7	5437.5	5454.7	5459.0	5444.0	5422.5	5403.2	5392.5	5386.0
17.5°	5577.1	5585.7	5581.4	5594.3	5615.7	5626.5	5613.6	5585.7	5566.4	5542.7	5529.9
20°	5770.3	5785.3	5789.6	5789.6	5808.9	5819.7	5800.3	5791.8	5761.7	5744.5	5733.8
22.5°	5989.2	5995.7	6008.6	6021.4	6040.8	6036.5	6030.0	6017.2	5989.2	5974.2	5957.0
25°	6236.1	6242.6	6274.8	6302.7	6309.1	6304.8	6296.2	6289.8	6264.0	6229.7	6216.8
27.5°	6523.8	6536.7	6579.6	6605.3	6605.3	6607.5	6590.3	6611.8	6556.0	6515.2	6510.9
30°	6884.4	6893.0	6929.5	6955.3	6942.4	6931.6	6927.3	6948.8	6888.7	6815.7	6798.5
32.5°	7240.8	7270.8	7303.0	7358.8	7313.8	7294.4	7290.1	7305.2	7236.5	7154.9	7131.3
35°	7622.9	7644.3	7704.4	7751.7	7710.9	7665.8	7685.1	7732.4	7650.8	7541.3	7537.0
37.5°	8045.8	8065.1	8142.4	8191.7	8161.7	8084.4	8116.6	8172.4	8090.9	7955.6	7927.7
40°	8485.8	8526.6	8623.2	8674.7	8625.4	8522.3	8582.4	8642.5	8569.6	8412.9	8350.6
42.5°	8979.6	9044.0	9183.5	9209.3	9114.8	8975.3	9080.5	9177.1	9125.6	8945.2	8921.6
45°	9557.0	9595.7	9767.4	9823.2	9692.3	9518.4	9649.3	9825.4	9786.7	9578.5	9533.4
47.5°	10203.2	10239.7	10417.9	10501.6	10336.3	10102.3	10338.4	10568.1	10544.5	10321.3	10299.8
50°	10967.4	10976.0	11222.9	11317.3	11152.0	10950.2	11160.6	11446.1	11351.7	11066.2	11061.9
52.5°	11804.6	11815.3	12126.6	12309.1	12216.8	11989.2	12238.2	12412.1	12171.7	11798.2	11770.3
55°	12530.2	12583.9	13008.9	13494.1	13620.7	13455.4	13530.5	13449.0	12856.5	12332.7	12251.1
57.5°	12826.4	12931.6	13577.8	14483.7	15308.0	15552.7	14973.1	14196.0	13129.1	12388.5	12309.1
60°	12103.0	12216.8	13219.3	14938.8	17042.5	18105.1	16475.8	14322.7	12508.7	11467.6	11343.1
62.5°	9692.3	9724.5	11199.2	13867.6	18053.6	20805.7	17109.1	13242.9	10703.4	9288.7	9239.3
64°	6974.6	7305.2	8868.0	12158.8	17611.4	21833.9	16744.1	11729.5	8694.1	7262.2	7030.4
65°	5216.4	5306.6	7148.5	10383.5	16832.1	21756.6	16035.7	10282.6	7200.0	5557.8	5300.2
67.5°	1970.7	1981.4	2638.3	5175.7	11982.8	18719.1	12238.2	5594.3	3033.3	2193.9	2114.5
70°	817.9	832.9	968.2	1741.0	5149.9	12019.3	5901.2	2017.9	1109.8	899.5	886.6
72.5°	598.9	607.5	648.3	772.8	1584.3	4935.2	1940.6	856.5	650.4	581.8	575.3
75°	470.1	474.4	504.5	568.9	738.5	1367.4	807.2	588.2	495.9	446.5	442.2
77.5°	358.5	369.2	390.7	433.6	495.9	648.3	534.5	440.1	382.1	341.3	334.9
80°	246.9	259.7	300.5	317.7	332.7	420.7	364.9	332.7	298.4	249.0	234.0
82.5°	152.4	161.0	201.8	216.8	210.4	236.1	234.0	238.3	212.5	154.6	143.8
85°	79.4	83.7	109.5	113.8	105.2	96.6	120.2	139.5	130.9	88.0	85.9
87.5°	17.2	19.3	23.6	21.5	23.6	23.6	30.1	45.1	47.2	30.1	27.9
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)