

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: P529368

Luminaire Tested: **GALN-SA4C-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA4C-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23336 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

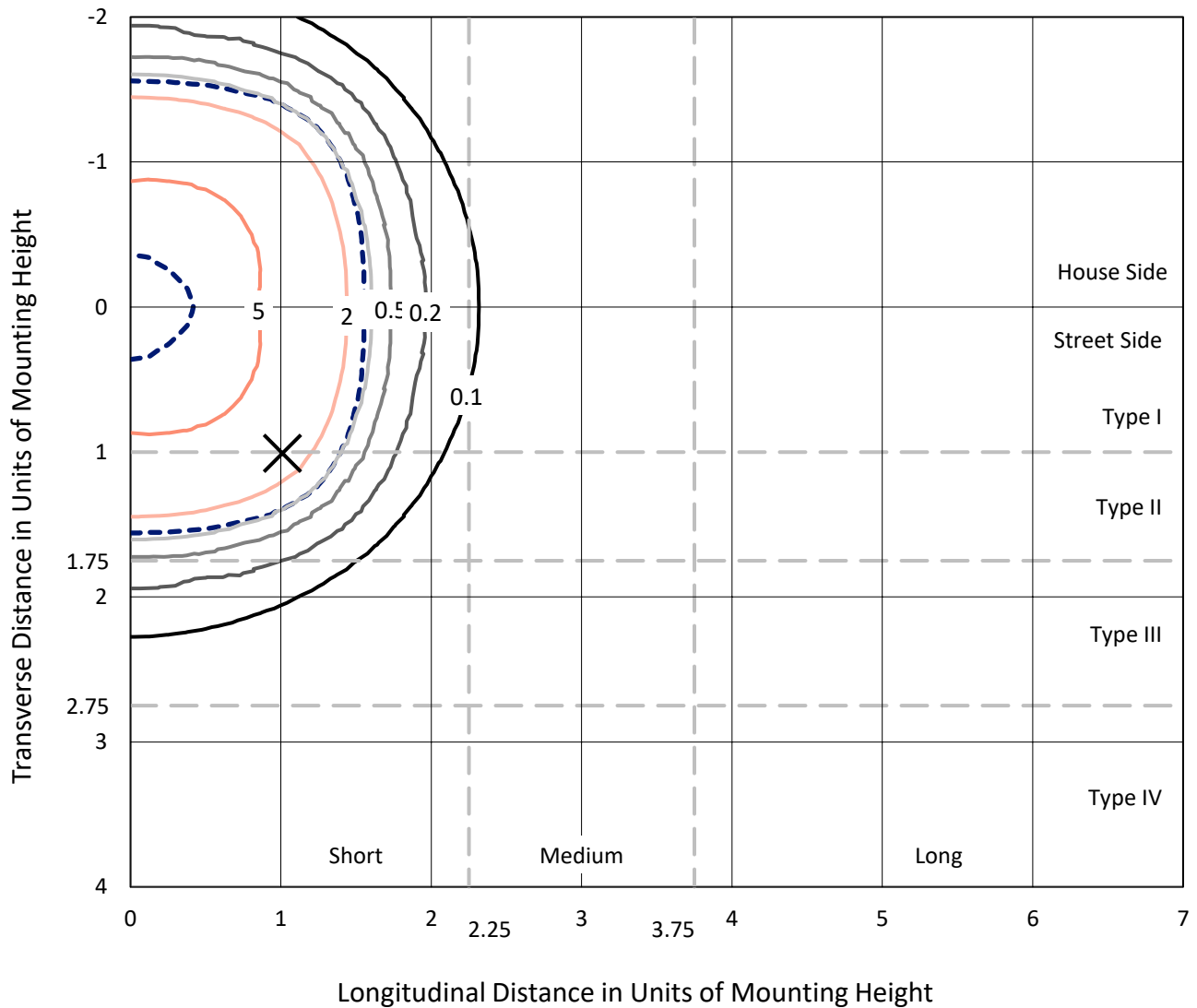
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529368
 CATALOG NUMBER: GALN-SA4C-735-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

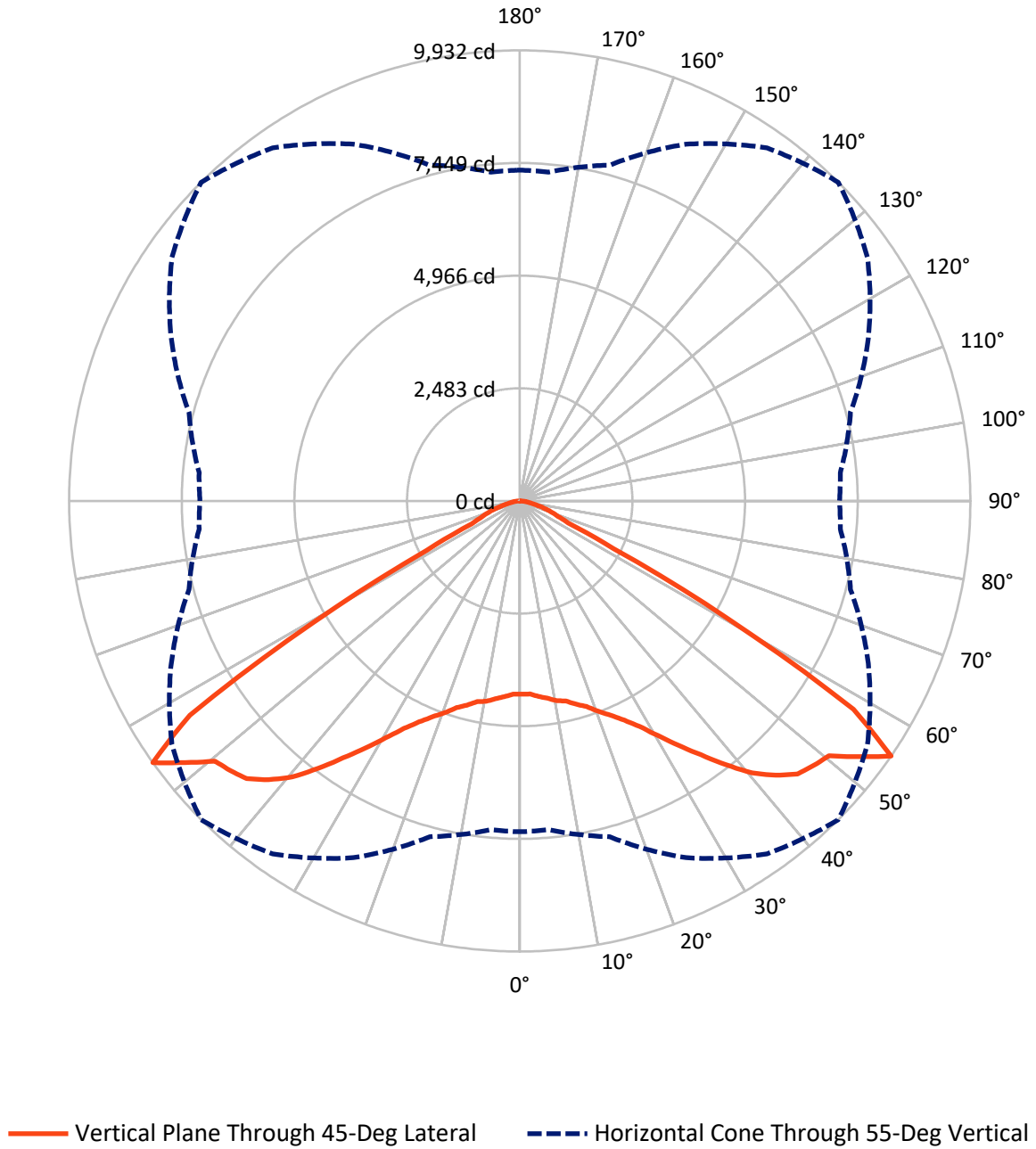
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

REPORT NUMBER: P529368
CATALOG NUMBER: GALN-SA4C-735-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P529368
 CATALOG NUMBER: GALN-SA4C-735-U-5NQ-GRSWH

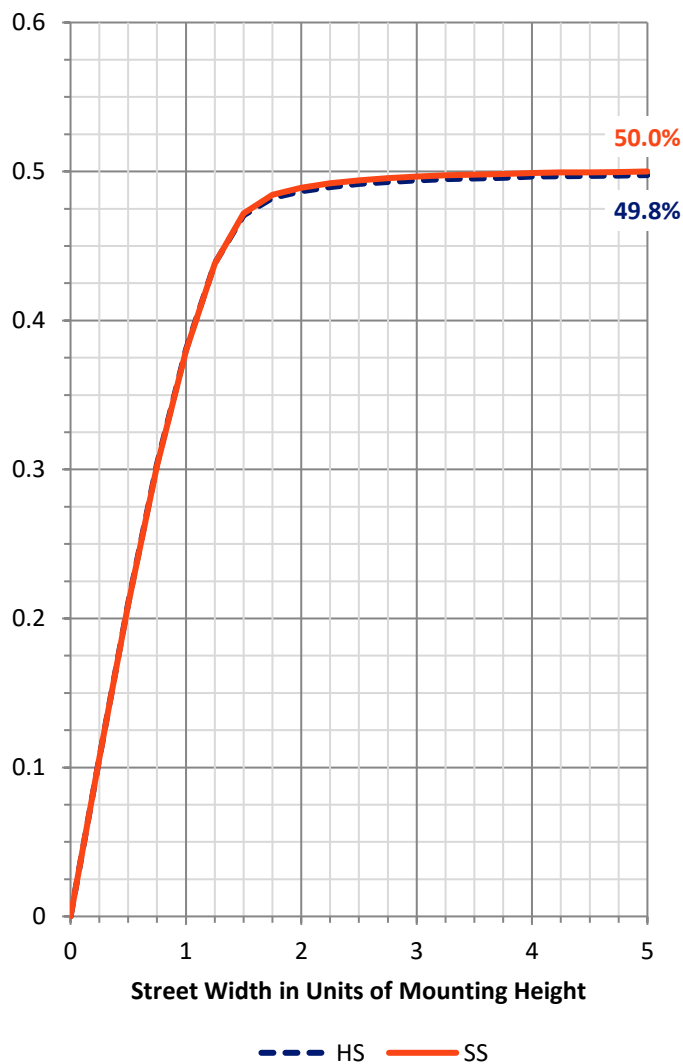
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11668.0	0.0	11668.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11668.0	0.0	11668.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23336.0	0.0	23336.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.2	1.8
10°-20°	1318.9	5.7
20°-30°	2459.3	10.5
30°-40°	4117.6	17.6
40°-50°	6407.3	27.5
50°-60°	6652.8	28.5
60°-70°	1410.8	6.0
70°-80°	464.6	2.0
80°-90°	88.5	0.4
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°	23336.0	100.0
0°-180°	23336.0	100.0

Coefficient of Utilization

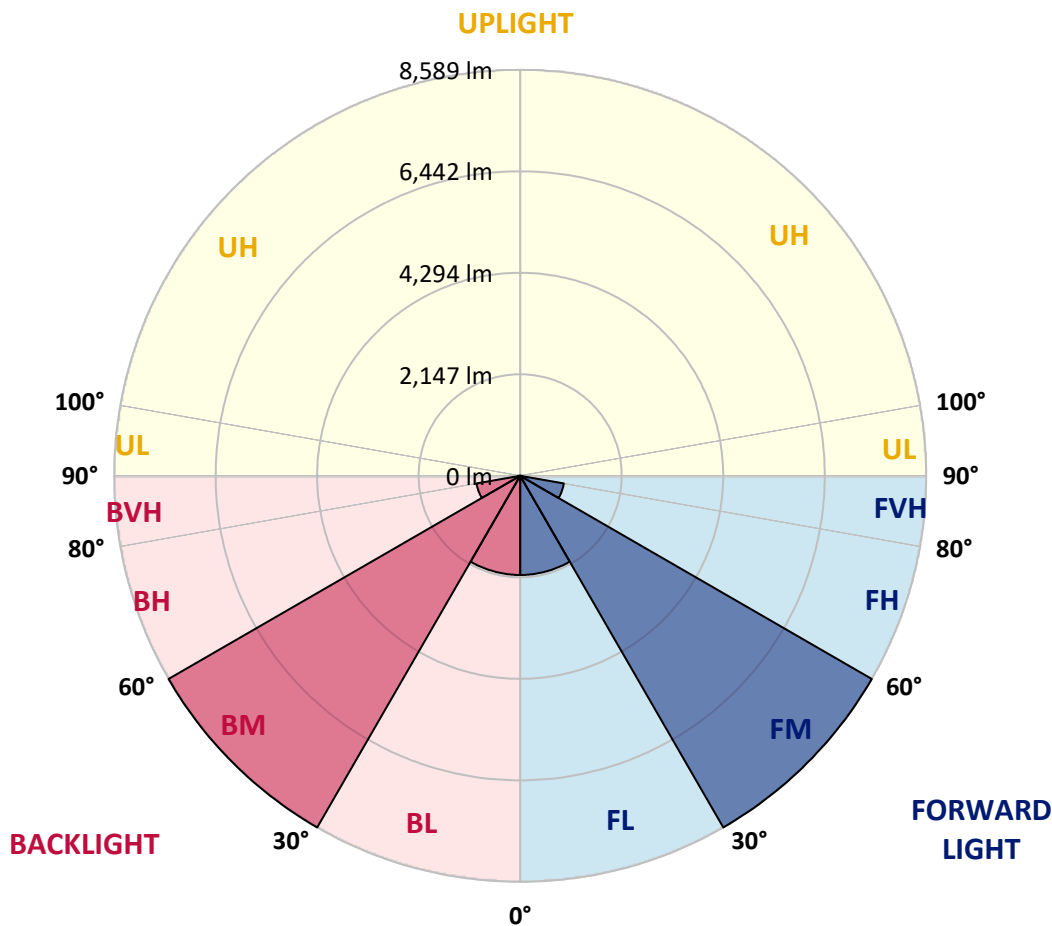


REPORT NUMBER: P529368
 CATALOG NUMBER: GALN-SA4C-735-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2097.2	9.0			
FM (30°-60°)	8588.8	36.8			
FH (60°-80°)	937.7	4.0			G1/1800
FVH (80°-90°)	44.2	0.2			G1/100
BL (0°-30°)	2097.2	9.0	B3/2500		
BM (30°-60°)	8588.8	36.8	B5		
BH (60°-80°)	937.7	4.0	B2/1000		G1/1800
BVH (80°-90°)	44.2	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





REPORT NUMBER: P529368

CATALOG NUMBER: GALN-SA4C-735-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8	4260.8
2.5°	4311.6	4291.8	4258.0	4283.4	4303.1	4260.8	4277.7	4286.2	4280.5	4258.0	4266.4
5°	4373.6	4362.3	4334.1	4353.9	4328.5	4328.5	4311.6	4289.0	4322.8	4317.2	4331.3
7.5°	4373.6	4359.5	4415.9	4379.2	4390.5	4390.5	4362.3	4339.8	4356.7	4331.3	4317.2
10°	4461.0	4480.8	4455.4	4463.8	4458.2	4477.9	4435.6	4421.5	4407.4	4399.0	4382.1
12.5°	4565.4	4551.3	4559.7	4554.1	4573.8	4523.1	4497.7	4466.7	4492.0	4455.4	4480.8
15°	4649.9	4641.5	4649.9	4672.5	4652.8	4649.9	4604.8	4573.8	4534.3	4542.8	4503.3
17.5°	4765.6	4757.1	4759.9	4779.7	4776.8	4762.7	4728.9	4669.7	4655.6	4633.0	4607.6
20°	4937.6	4923.5	4917.8	4926.3	4940.4	4951.7	4884.0	4861.4	4813.5	4776.8	4734.5
22.5°	5084.2	5078.6	5101.1	5064.5	5095.5	5129.3	5064.5	5053.2	4934.8	4915.0	4869.9
25°	5287.2	5278.8	5264.7	5318.3	5354.9	5352.1	5290.1	5228.0	5137.8	5115.2	5115.2
27.5°	5501.5	5453.6	5526.9	5541.0	5605.9	5625.6	5572.0	5481.8	5397.2	5349.3	5360.6
30°	5769.4	5724.3	5741.2	5842.7	5927.3	6000.7	5865.3	5732.8	5614.3	5529.7	5515.6
32.5°	6037.3	5992.2	6043.0	6141.7	6310.8	6420.8	6288.3	6057.1	5918.9	5794.8	5820.2
35°	6254.4	6288.3	6370.1	6519.5	6694.3	6872.0	6660.5	6482.9	6285.5	6147.3	6167.0
37.5°	6604.1	6708.4	6773.3	6945.3	7193.5	7376.7	7156.8	6925.6	6714.1	6533.6	6471.6
40°	7060.9	7131.4	7204.7	7407.8	7701.0	7884.3	7675.7	7373.9	7165.3	6979.1	6970.7
42.5°	7562.9	7630.5	7706.7	7954.8	8129.7	8267.8	8076.1	7915.3	7684.1	7537.5	7529.0
45°	8146.6	8098.6	8183.2	8346.8	8493.4	8583.6	8459.6	8380.6	8214.2	8078.9	8064.8
47.5°	8535.7	8493.4	8645.7	8792.3	8814.9	8716.2	8741.6	8814.9	8640.0	8417.3	8487.8
50°	8761.3	8761.3	8862.8	8998.2	8955.9	8829.0	9029.2	9034.8	8860.0	8662.6	8662.6
52.5°	8369.3	8456.8	8744.4	9187.1	9328.1	9364.7	9319.6	9127.9	8671.1	8267.8	8248.1
55°	7292.2	7272.4	7661.6	8676.7	9497.3	9931.5	9356.3	8473.7	7545.9	7091.9	7046.8
57.5°	4743.0	4765.6	5346.5	6381.3	7861.8	8671.1	7701.0	6460.3	5346.5	4720.4	4779.7
60°	2134.6	2210.8	2563.3	3335.9	4607.6	5267.5	4618.9	3505.1	2690.1	2334.8	2365.9
62.5°	1226.6	1240.7	1254.8	1488.9	1962.6	2320.7	2038.8	1573.5	1387.4	1325.3	1325.3
65°	1034.9	1026.4	1029.2	1049.0	1099.7	1173.1	1142.0	1099.7	1105.4	1099.7	1091.3
67.5°	879.8	891.1	882.6	896.7	899.5	910.8	930.6	947.5	950.3	955.9	950.3
70°	721.9	724.7	730.3	741.6	744.4	752.9	781.1	795.2	803.7	803.7	814.9
72.5°	552.7	549.9	555.5	566.8	580.9	583.7	609.1	628.8	640.1	626.0	628.8
75°	363.8	366.6	375.0	383.5	403.2	423.0	431.4	451.2	454.0	459.6	445.5
77.5°	217.1	222.8	231.2	248.1	265.1	282.0	301.7	315.8	321.5	315.8	298.9
80°	141.0	141.0	152.3	166.4	186.1	200.2	211.5	222.8	231.2	222.8	217.1
82.5°	87.4	87.4	101.5	118.4	132.5	141.0	157.9	172.0	180.5	174.8	166.4
85°	45.1	47.9	59.2	73.3	84.6	90.2	87.4	79.0	70.5	67.7	62.0
87.5°	14.1	14.1	16.9	16.9	14.1	14.1	16.9	14.1	16.9	16.9	16.9
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)