

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: P529374

Luminaire Tested: **GALN-SA4C-735-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P529374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
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-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22701 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

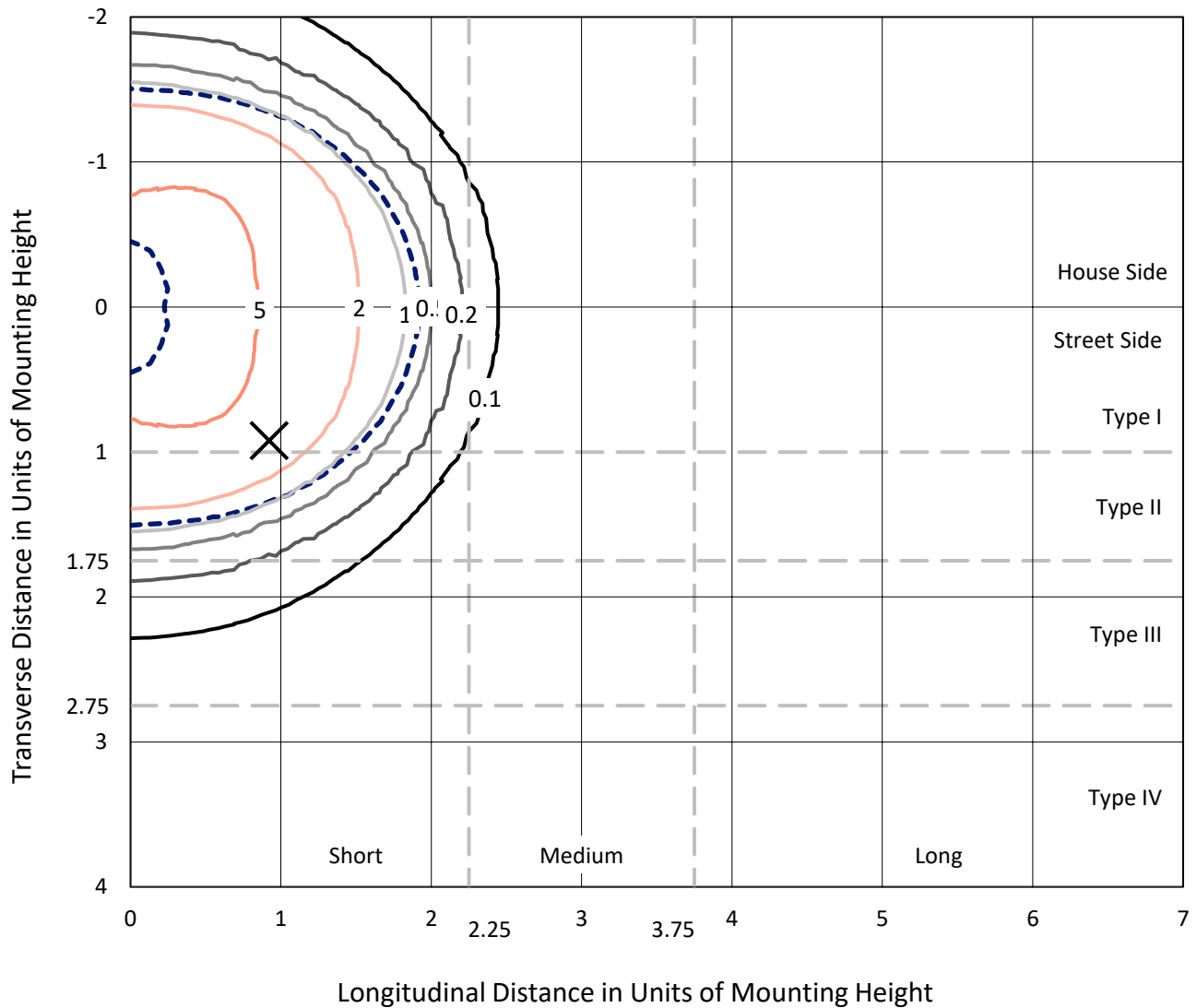
Input Watts (W): 213  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P529374  
 CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

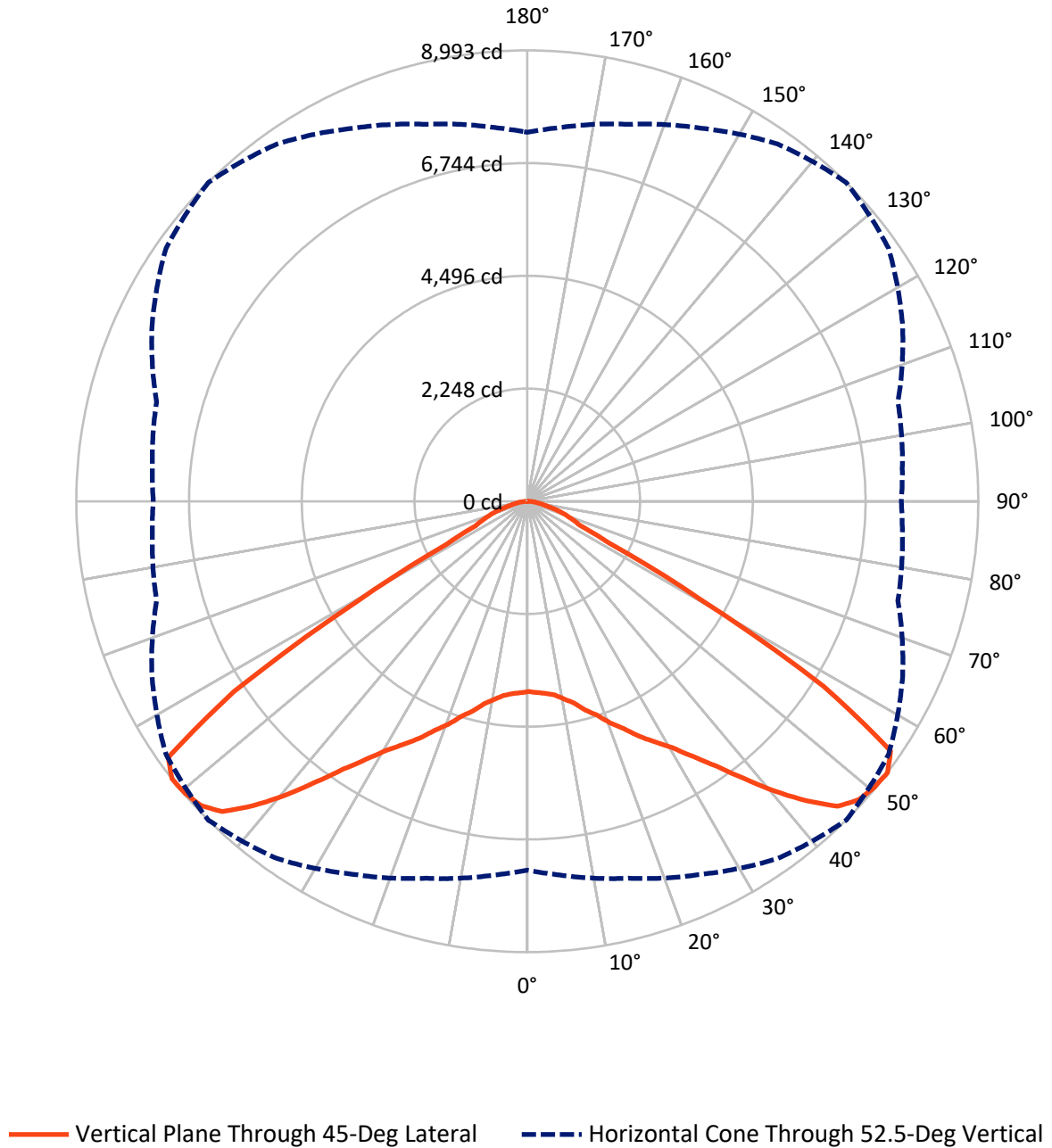
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P529374  
CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSWH

### Luminous Intensity Polar Plot



REPORT NUMBER: P529374

CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSWH

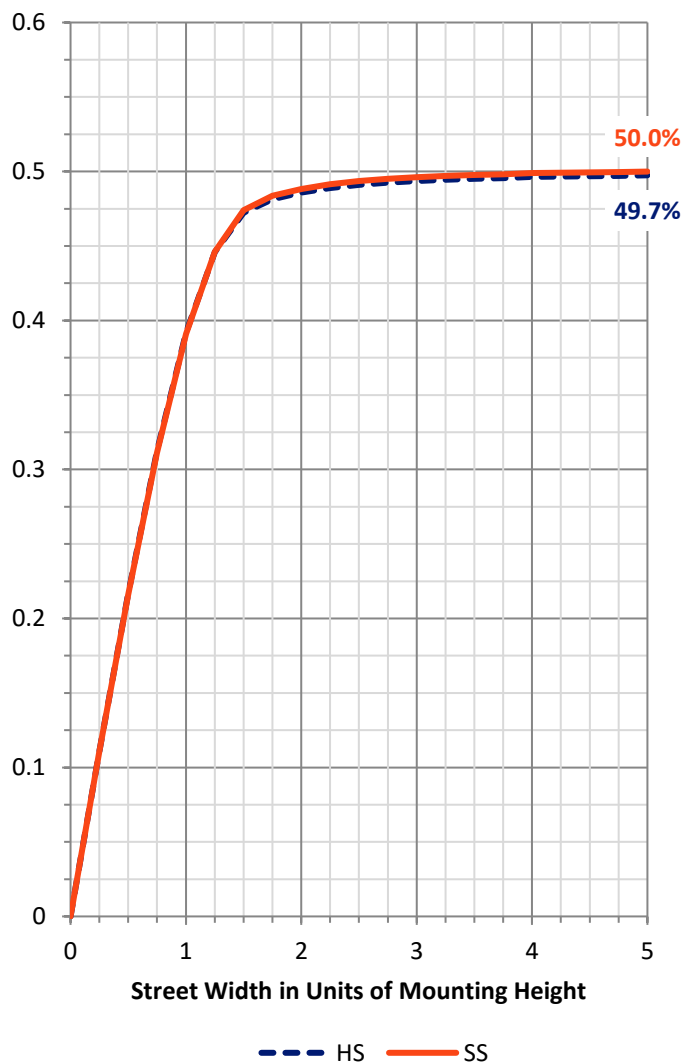
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11350.5	0.0	11350.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11350.5	0.0	11350.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	22701.0	0.0	22701.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.8	1.6
10°-20°	1225.1	5.4
20°-30°	2332.4	10.3
30°-40°	4004.9	17.6
40°-50°	6155.6	27.1
50°-60°	6250.9	27.5
60°-70°	1742.0	7.7
70°-80°	513.9	2.3
80°-90°	103.5	0.5
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°	22701.0	100.0
0°-180°	22701.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P529374

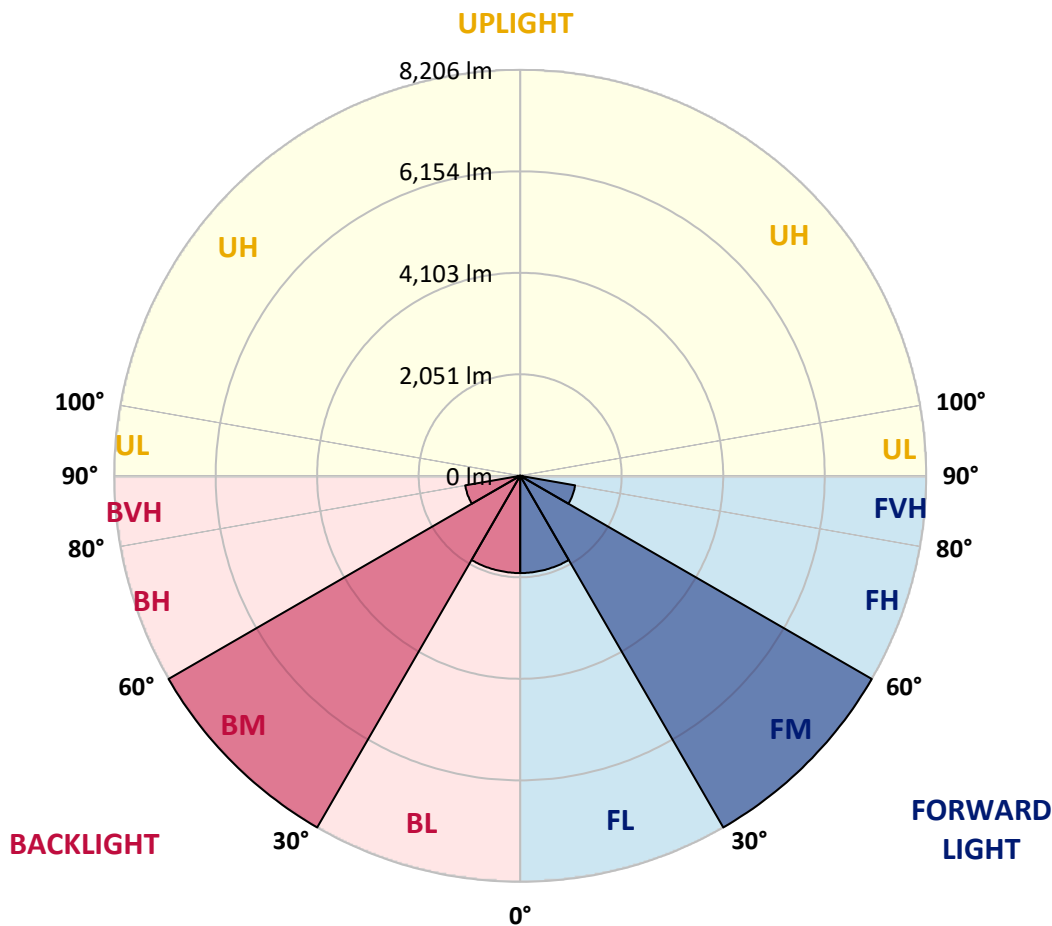
CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSWH

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1965.1	8.7			
FM (30°-60°)	8205.6	36.1			
FH (60°-80°)	1128.0	5.0			G1/1800
FVH (80°-90°)	51.8	0.2			G1/100
BL (0°-30°)	1965.1	8.7	B3/2500		
BM (30°-60°)	8205.6	36.1	B4/8500		
BH (60°-80°)	1128.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	51.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





REPORT NUMBER: P529374

CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8	3794.8
2.5°	3803.2	3763.8	3777.9	3786.3	3822.9	3820.1	3811.7	3822.9	3834.2	3837.0	3831.4
5°	3800.4	3772.2	3783.5	3792.0	3828.6	3848.3	3842.7	3890.6	3924.4	3915.9	3958.2
7.5°	3777.9	3794.8	3780.7	3822.9	3853.9	3901.8	3952.5	3997.6	4039.9	4087.8	4096.2
10°	3828.6	3828.6	3853.9	3887.7	3969.4	4006.1	4079.3	4144.1	4225.8	4282.1	4259.6
12.5°	3882.1	3890.6	3890.6	3977.9	4045.5	4127.2	4194.8	4282.1	4397.7	4465.3	4499.1
15°	3935.6	3941.3	3969.4	4087.8	4189.2	4318.8	4380.7	4459.6	4524.4	4651.2	4654.0
17.5°	3983.5	4014.5	4099.0	4231.4	4358.2	4482.2	4580.8	4662.5	4718.8	4769.5	4758.3
20°	4163.8	4186.4	4273.7	4406.1	4594.9	4716.0	4749.8	4763.9	4800.5	4901.9	4870.9
22.5°	4338.5	4346.9	4428.6	4631.5	4763.9	4924.5	4961.1	4952.6	4966.7	4992.1	5037.2
25°	4518.8	4532.9	4645.6	4817.4	5003.4	5194.9	5225.9	5161.1	5141.4	5169.6	5172.4
27.5°	4749.8	4752.6	4896.3	5045.6	5256.9	5437.2	5485.1	5434.4	5341.4	5364.0	5400.6
30°	5042.8	5023.1	5166.7	5380.9	5603.4	5704.8	5786.5	5761.2	5659.8	5640.0	5609.0
32.5°	5380.9	5386.5	5516.1	5749.9	5896.4	6065.4	6152.8	6110.5	6045.7	6011.9	6031.6
35°	5857.0	5882.3	5969.7	6164.0	6400.7	6485.2	6623.2	6533.1	6364.1	6406.3	6442.9
37.5°	6248.6	6321.8	6485.2	6716.2	6857.1	7012.0	7062.7	6941.6	6817.6	6766.9	6888.1
40°	6848.6	6826.1	7006.4	7237.4	7445.9	7600.8	7536.0	7414.9	7107.8	7110.6	7144.4
42.5°	7364.2	7375.4	7513.5	7789.6	8074.1	8169.9	7964.2	7668.4	7327.5	7290.9	7364.2
45°	7798.0	7843.1	7922.0	8291.0	8569.9	8674.2	8293.8	7944.5	7488.1	7336.0	7457.1
47.5°	7953.0	8026.2	8198.1	8536.1	8812.2	8896.7	8592.5	8091.0	7637.4	7389.5	7454.3
50°	7975.5	7950.1	8231.9	8541.8	8784.0	8967.2	8699.5	8198.1	7600.8	7471.2	7451.5
52.5°	7358.5	7482.5	7783.9	8209.3	8699.5	8992.5	8795.3	8257.2	7651.5	7505.0	7457.1
55°	5955.6	5809.1	6358.4	7074.0	7975.5	8789.7	8761.5	8288.2	7682.5	7561.4	7496.6
57.5°	3324.3	3366.6	3676.4	4454.0	5617.5	6969.8	7789.6	7961.4	7668.4	7598.0	7631.8
60°	1538.2	1552.3	1684.7	2048.1	2769.3	3952.5	5031.5	6127.4	6631.7	6733.1	6733.1
62.5°	1146.6	1141.0	1174.8	1239.6	1391.7	1817.1	2425.6	3296.1	3989.2	4473.7	4600.5
65°	1036.7	1033.9	1050.8	1073.4	1084.6	1143.8	1279.0	1546.6	1772.0	1901.6	1879.1
67.5°	907.1	904.3	910.0	924.0	943.8	974.8	1008.6	1064.9	1143.8	1138.1	1124.1
70°	732.5	732.5	740.9	752.2	774.7	811.4	850.8	890.2	957.8	971.9	969.1
72.5°	540.9	532.5	549.4	571.9	594.4	639.5	681.8	718.4	766.3	780.4	774.7
75°	343.7	349.3	360.6	386.0	425.4	456.4	501.5	532.5	563.4	574.7	577.5
77.5°	191.6	197.2	216.9	247.9	287.4	321.2	360.6	386.0	405.7	408.5	411.3
80°	115.5	118.3	138.0	166.2	200.0	236.6	267.6	293.0	309.9	301.4	298.6
82.5°	70.4	73.2	90.2	115.5	143.7	171.8	205.7	228.2	245.1	233.8	222.6
85°	36.6	39.4	53.5	70.4	93.0	107.1	107.1	95.8	93.0	87.3	84.5
87.5°	11.3	11.3	14.1	16.9	14.1	16.9	19.7	22.5	22.5	25.4	22.5
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)