

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: P529842

Luminaire Tested: **GALN-SA5A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529842
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-SA5A-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 615mA 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: 18694 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

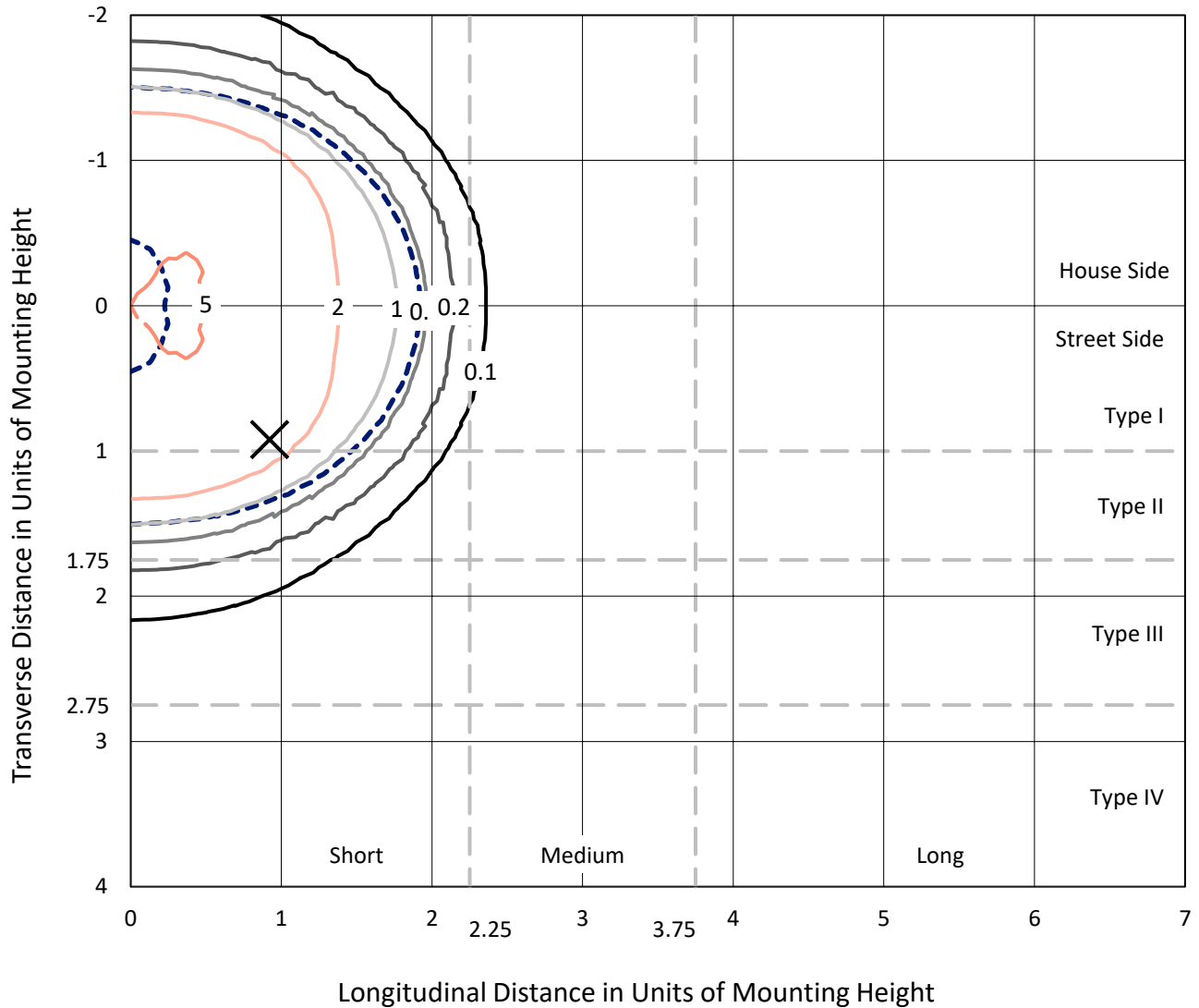
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529842
 CATALOG NUMBER: GALN-SA5A-735-U-RW-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

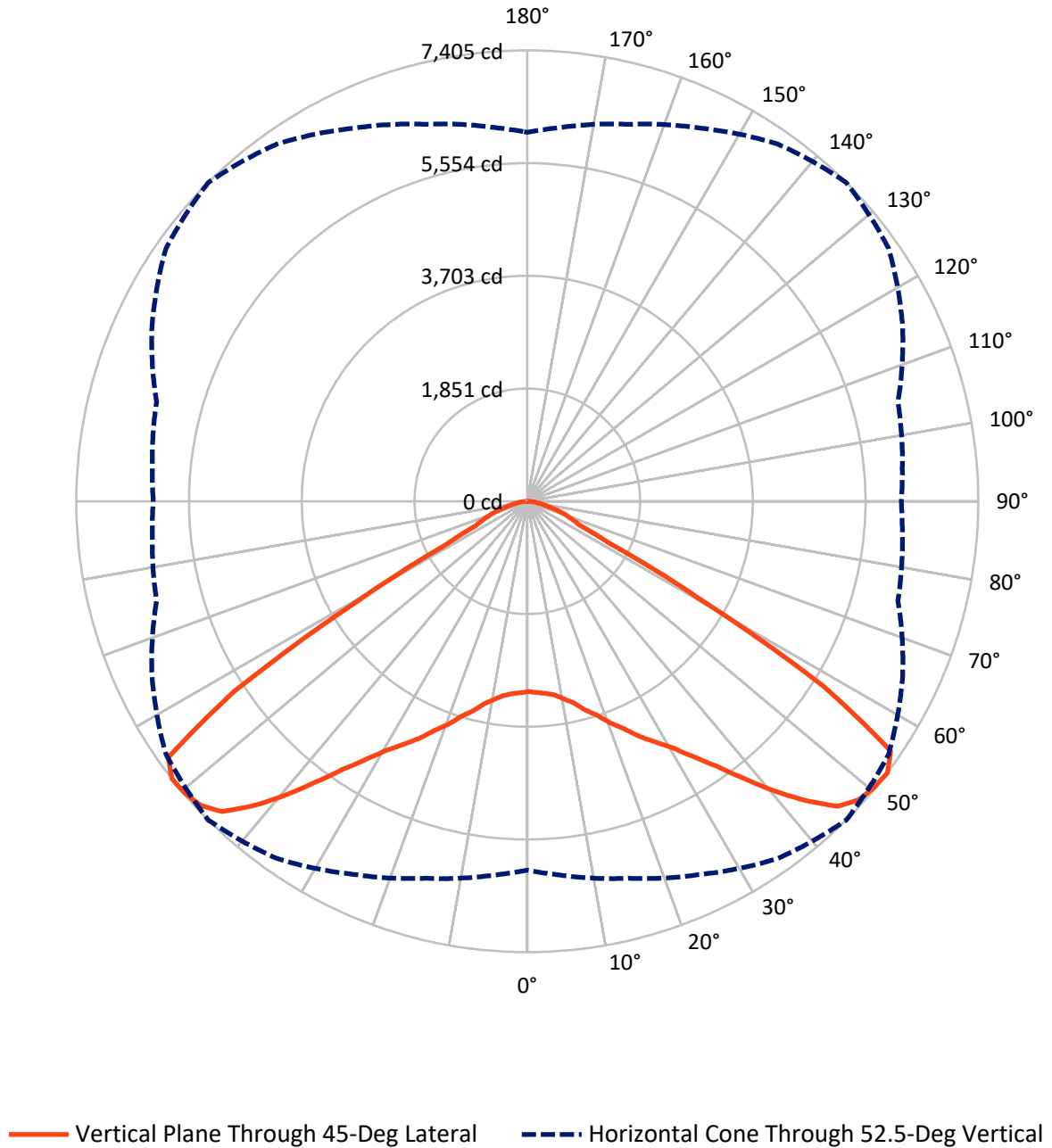
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

REPORT NUMBER: P529842
CATALOG NUMBER: GALN-SA5A-735-U-RW-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P529842

CATALOG NUMBER: GALN-SA5A-735-U-RW-GRSWH

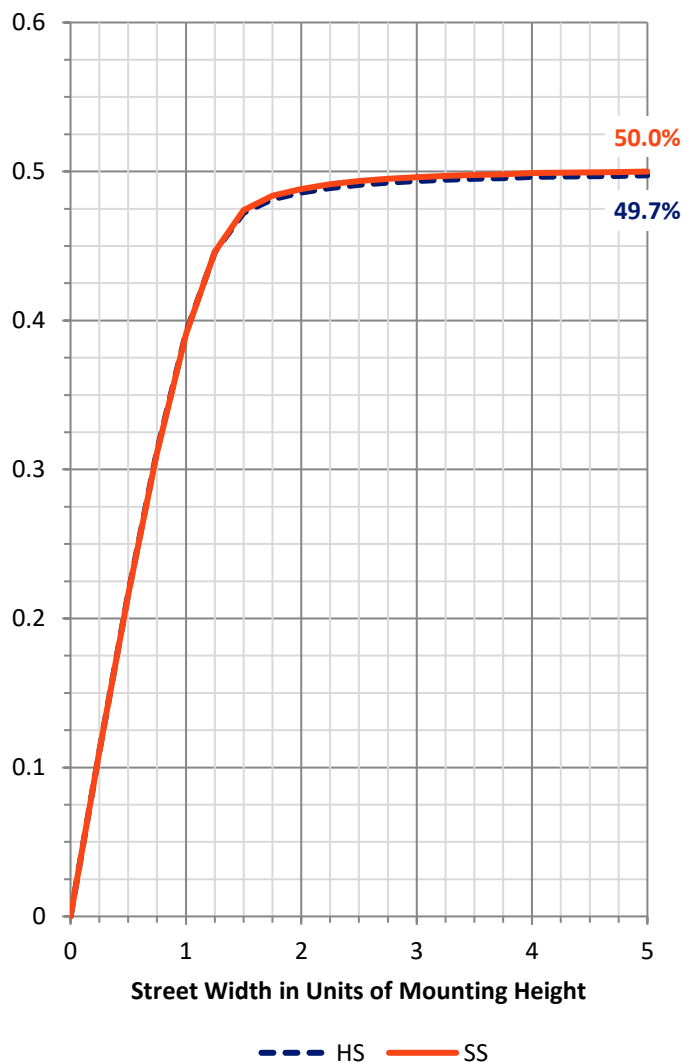
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9347.0	0.0	9347.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9347.0	0.0	9347.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18694.0	0.0	18694.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.0	1.6
10°-20°	1008.8	5.4
20°-30°	1920.7	10.3
30°-40°	3297.9	17.6
40°-50°	5069.0	27.1
50°-60°	5147.5	27.5
60°-70°	1434.5	7.7
70°-80°	423.2	2.3
80°-90°	85.2	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°	18694.0	100.0
0°-180°	18694.0	100.0

Coefficient of Utilization

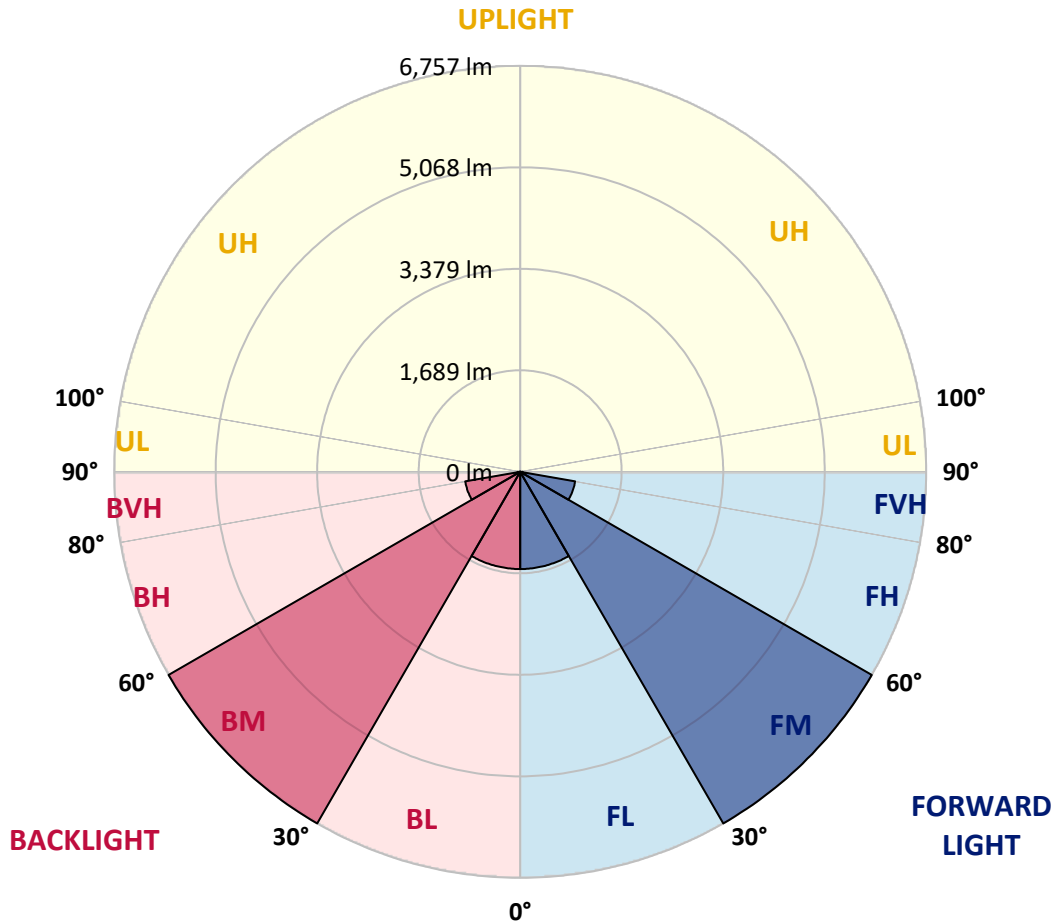


REPORT NUMBER: P529842
 CATALOG NUMBER: GALN-SA5A-735-U-RW-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1618.3	8.7			
FM (30°-60°)	6757.2	36.1			
FH (60°-80°)	928.9	5.0			G1/1800
FVH (80°-90°)	42.6	0.2			G1/100
BL (0°-30°)	1618.3	8.7	B3/2500		
BM (30°-60°)	6757.2	36.1	B4/8500		
BH (60°-80°)	928.9	5.0	B2/1000		G1/1800
BVH (80°-90°)	42.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





REPORT NUMBER: P529842

CATALOG NUMBER: GALN-SA5A-735-U-RW-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9	3124.9
2.5°	3131.9	3099.4	3111.0	3118.0	3148.1	3145.8	3138.9	3148.1	3157.4	3159.7	3155.1
5°	3129.6	3106.4	3115.7	3122.6	3152.8	3169.0	3164.4	3203.8	3231.7	3224.7	3259.5
7.5°	3111.0	3124.9	3113.3	3148.1	3173.7	3213.1	3254.9	3292.0	3326.8	3366.2	3373.2
10°	3152.8	3152.8	3173.7	3201.5	3268.8	3298.9	3359.3	3412.6	3479.9	3526.3	3507.7
12.5°	3196.9	3203.8	3203.8	3275.7	3331.4	3398.7	3454.4	3526.3	3621.4	3677.1	3704.9
15°	3240.9	3245.6	3268.8	3366.2	3449.7	3556.5	3607.5	3672.5	3725.8	3830.2	3832.5
17.5°	3280.4	3305.9	3375.5	3484.5	3588.9	3691.0	3772.2	3839.5	3885.9	3927.6	3918.4
20°	3428.9	3447.4	3519.3	3628.4	3783.8	3883.6	3911.4	3923.0	3953.2	4036.7	4011.2
22.5°	3572.7	3579.7	3646.9	3814.0	3923.0	4055.2	4085.4	4078.4	4090.0	4110.9	4148.0
25°	3721.2	3732.8	3825.6	3967.1	4120.2	4278.0	4303.5	4250.1	4233.9	4257.1	4259.4
27.5°	3911.4	3913.7	4032.0	4155.0	4329.0	4477.5	4516.9	4475.1	4398.6	4417.2	4447.3
30°	4152.7	4136.4	4254.8	4431.1	4614.3	4697.9	4765.1	4744.3	4660.7	4644.5	4619.0
32.5°	4431.1	4435.7	4542.4	4735.0	4855.6	4994.8	5066.7	5031.9	4978.6	4950.7	4967.0
35°	4823.1	4844.0	4915.9	5076.0	5270.9	5340.5	5454.2	5379.9	5240.7	5275.5	5305.7
37.5°	5145.6	5205.9	5340.5	5530.7	5646.7	5774.3	5816.1	5716.3	5614.2	5572.5	5672.2
40°	5639.8	5621.2	5769.7	5959.9	6131.6	6259.2	6205.8	6106.1	5853.2	5855.5	5883.3
42.5°	6064.3	6073.6	6187.3	6414.6	6648.9	6727.8	6558.4	6314.9	6034.1	6004.0	6064.3
45°	6421.6	6458.7	6523.6	6827.6	7057.2	7143.1	6829.9	6542.2	6166.4	6041.1	6140.9
47.5°	6549.2	6609.5	6751.0	7029.4	7256.7	7326.3	7075.8	6662.8	6289.3	6085.2	6138.5
50°	6567.7	6546.8	6778.8	7034.0	7233.5	7384.3	7164.0	6751.0	6259.2	6152.5	6136.2
52.5°	6059.7	6161.7	6410.0	6760.3	7164.0	7405.2	7242.8	6799.7	6300.9	6180.3	6140.9
55°	4904.3	4783.7	5236.1	5825.3	6567.7	7238.2	7215.0	6825.2	6326.5	6226.7	6173.3
57.5°	2737.5	2772.3	3027.5	3667.8	4625.9	5739.5	6414.6	6556.1	6314.9	6256.9	6284.7
60°	1266.7	1278.3	1387.3	1686.6	2280.5	3254.9	4143.4	5045.9	5461.1	5544.6	5544.6
62.5°	944.2	939.6	967.4	1020.8	1146.0	1496.4	1997.5	2714.3	3285.0	3684.1	3788.4
65°	853.7	851.4	865.3	883.9	893.2	941.9	1053.2	1273.6	1459.2	1566.0	1547.4
67.5°	747.0	744.7	749.3	760.9	777.2	802.7	830.5	876.9	941.9	937.3	925.7
70°	603.2	603.2	610.1	619.4	638.0	668.1	700.6	733.1	788.8	800.4	798.1
72.5°	445.4	438.5	452.4	470.9	489.5	526.6	561.4	591.6	631.0	642.6	638.0
75°	283.0	287.7	297.0	317.8	350.3	375.8	412.9	438.5	464.0	473.3	475.6
77.5°	157.8	162.4	178.6	204.2	236.6	264.5	297.0	317.8	334.1	336.4	338.7
80°	95.1	97.4	113.7	136.9	164.7	194.9	220.4	241.3	255.2	248.2	245.9
82.5°	58.0	60.3	74.2	95.1	118.3	141.5	169.4	187.9	201.8	192.6	183.3
85°	30.2	32.5	44.1	58.0	76.6	88.2	88.2	78.9	76.6	71.9	69.6
87.5°	9.3	9.3	11.6	13.9	11.6	13.9	16.2	18.6	18.6	20.9	18.6
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)