

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: P529373

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16743 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

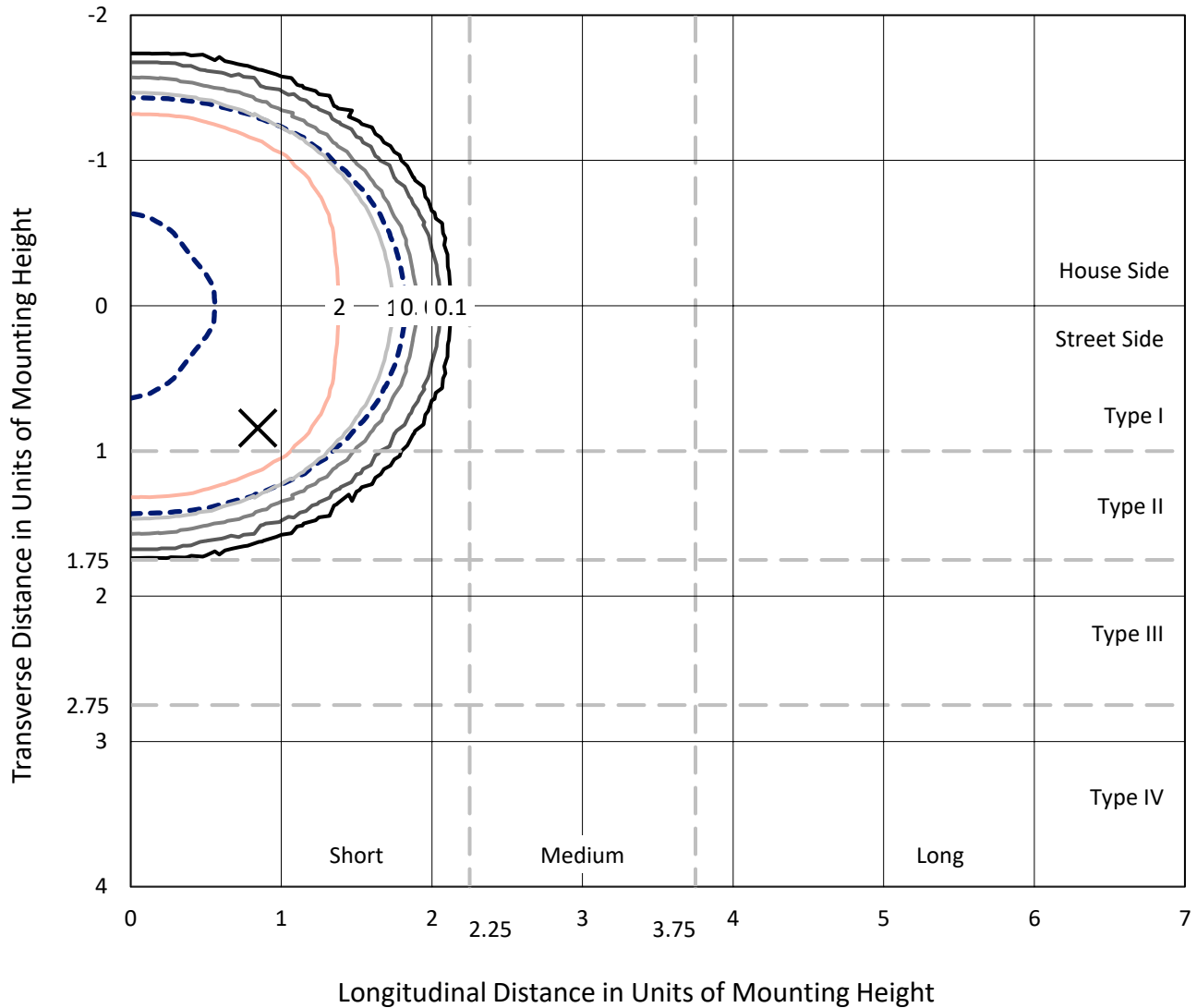
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529373
 CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

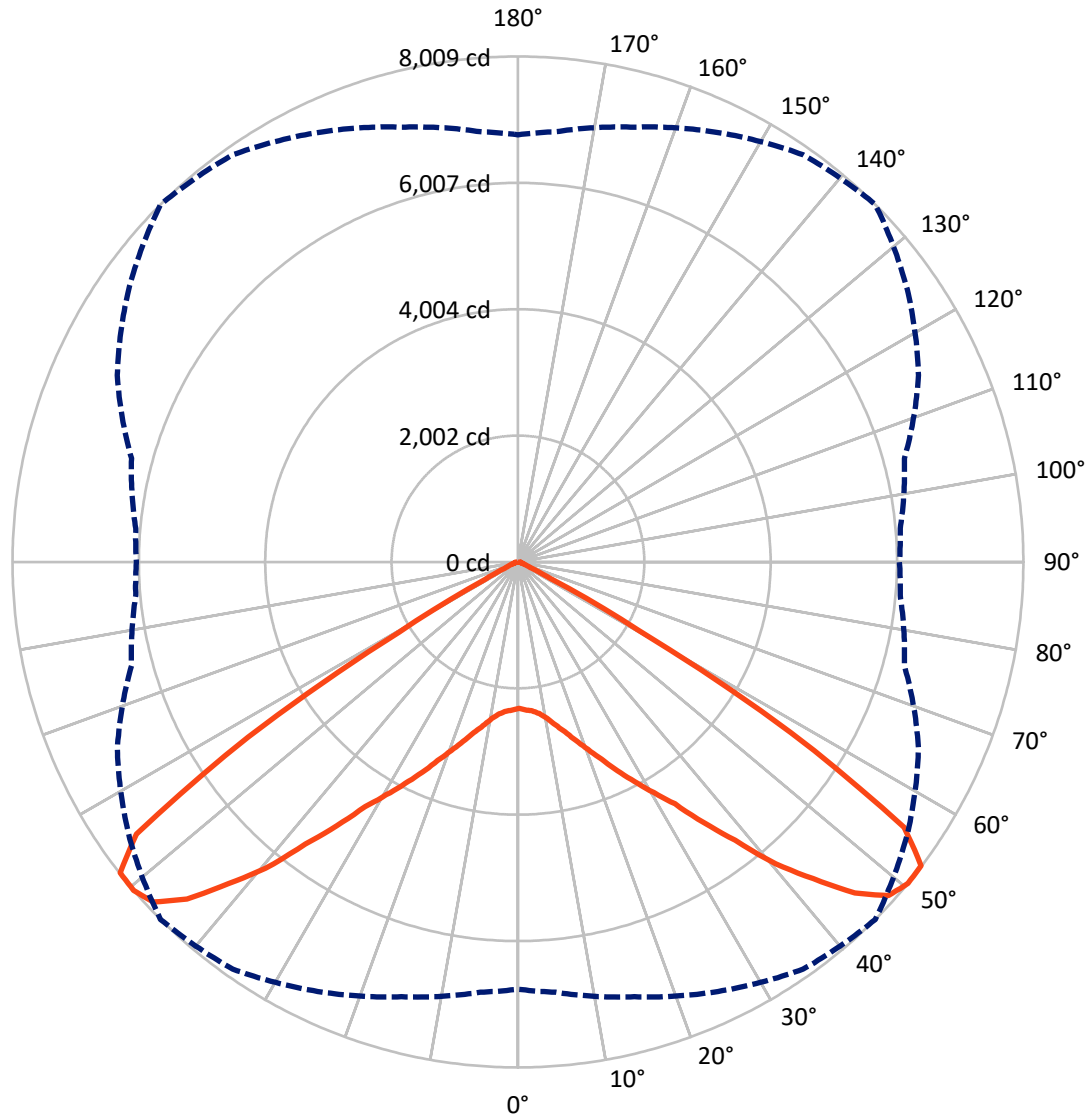
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P529373
CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P529373
 CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8371.5	0.0	8371.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8371.5	0.0	8371.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	16743.0	0.0	16743.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	1.4
10°-20°	795.9	4.8
20°-30°	1625.6	9.7
30°-40°	3099.9	18.5
40°-50°	5223.8	31.2
50°-60°	4981.9	29.8
60°-70°	695.4	4.2
70°-80°	66.5	0.4
80°-90°	23.0	0.1
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°	16743.0	100.0
0°-180°	16743.0	100.0

Coefficient of Utilization



REPORT NUMBER: P529373

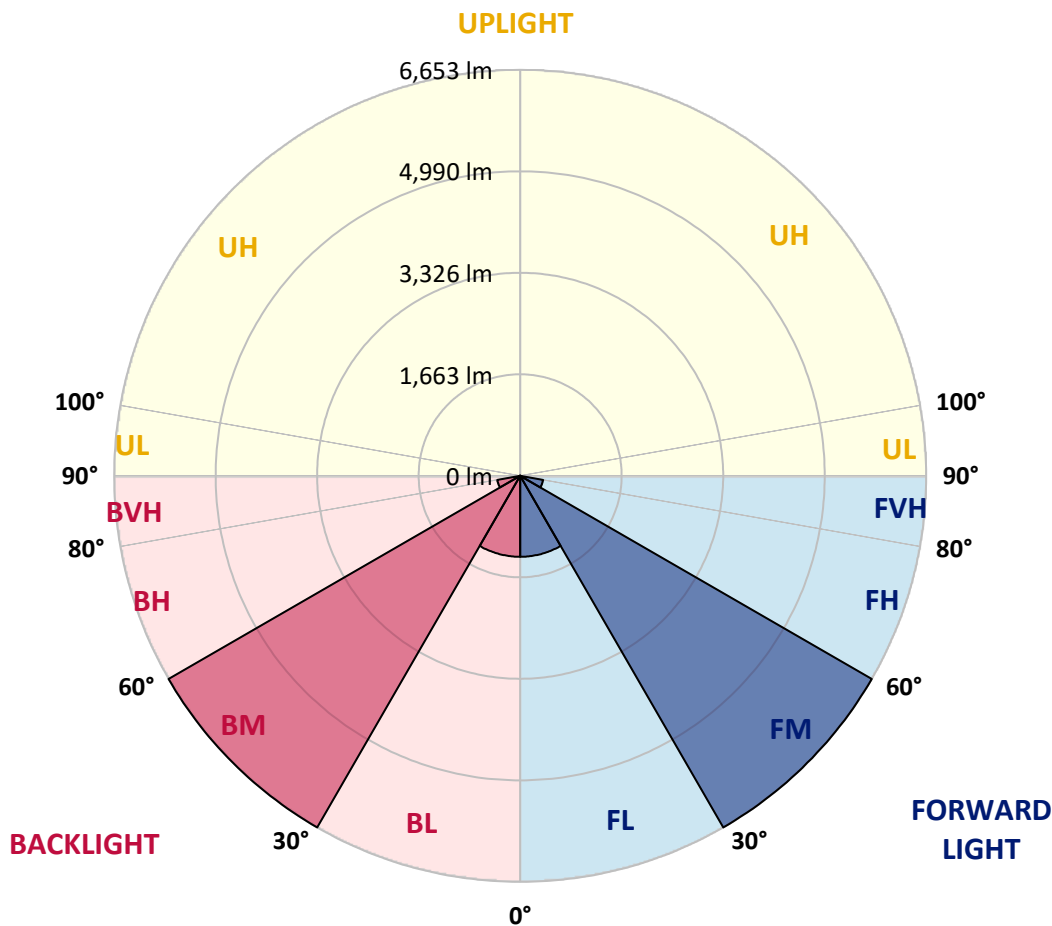
CATALOG NUMBER: GALN-SA4C-735-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.2	7.9			
FM (30°-60°)	6652.8	39.7			
FH (60°-80°)	381.0	2.3			G0/660
FVH (80°-90°)	11.5	0.1			G1/100
BL (0°-30°)	1326.2	7.9	B3/2500		
BM (30°-60°)	6652.8	39.7	B4/8500		
BH (60°-80°)	381.0	2.3	B1/500		G0/660
BVH (80°-90°)	11.5	0.1			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: P529373

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2	2321.2
2.5°	2312.8	2312.8	2310.0	2332.5	2321.2	2346.6	2343.8	2352.2	2360.7	2357.9	2380.4
5°	2293.1	2290.2	2290.2	2315.6	2341.0	2369.1	2394.5	2411.4	2439.5	2439.5	2467.7
7.5°	2312.8	2298.7	2318.4	2329.7	2377.6	2425.5	2467.7	2501.5	2566.3	2588.9	2580.4
10°	2318.4	2335.3	2349.4	2383.2	2442.4	2515.6	2552.2	2636.7	2710.0	2760.7	2772.0
12.5°	2355.0	2380.4	2419.8	2501.5	2555.0	2650.8	2701.5	2783.2	2884.6	2941.0	2980.4
15°	2425.5	2433.9	2484.6	2588.9	2704.3	2791.7	2870.6	2929.7	3028.3	3093.1	3095.9
17.5°	2515.6	2552.2	2622.7	2721.3	2842.4	2972.0	3033.9	3098.7	3135.4	3222.7	3242.4
20°	2695.9	2701.5	2769.1	2898.7	3050.8	3169.2	3214.2	3248.0	3234.0	3324.1	3341.0
22.5°	2864.9	2870.6	2955.1	3129.7	3293.1	3394.5	3414.2	3394.5	3352.3	3417.1	3422.7
25°	3036.8	3087.5	3149.4	3324.1	3526.9	3662.1	3665.0	3611.4	3524.1	3535.4	3563.5
27.5°	3304.4	3341.0	3405.8	3566.4	3788.9	3941.0	3915.7	3850.9	3738.2	3746.6	3738.2
30°	3617.1	3650.9	3704.4	3910.0	4073.4	4239.6	4276.3	4214.3	4045.3	4008.6	4050.9
32.5°	3994.5	4042.4	4141.0	4329.8	4467.8	4569.2	4594.6	4572.0	4414.3	4400.2	4428.4
35°	4453.7	4518.5	4608.7	4774.9	4887.5	5070.7	5070.7	4994.6	4850.9	4867.8	4865.0
37.5°	4938.3	5034.0	5174.9	5343.9	5496.0	5594.6	5563.6	5498.8	5355.2	5318.6	5355.2
40°	5546.7	5594.6	5772.1	5991.8	6177.7	6290.4	6158.0	6017.2	5673.5	5727.0	5825.6
42.5°	6101.7	6177.7	6313.0	6555.2	6766.5	6859.5	6701.7	6422.8	6008.7	5966.5	6039.7
45°	6574.9	6656.6	6834.1	7180.6	7403.2	7484.8	7135.5	6684.8	6211.6	6104.5	6135.5
47.5°	6890.5	6932.7	7180.6	7510.2	7713.0	7899.0	7397.5	6865.1	6307.3	6104.5	6093.2
50°	6769.3	6842.6	7132.7	7507.4	7876.4	8008.8	7529.9	7003.1	6338.3	6079.2	6045.3
52.5°	6011.5	6138.3	6462.3	6966.5	7524.3	7997.5	7713.0	6958.1	6327.0	6104.5	6155.2
55°	4183.3	4186.1	4580.5	5324.2	6310.1	7425.7	7445.4	7008.8	6400.3	6262.3	6265.1
57.5°	1681.8	1766.3	2067.7	2814.2	3724.1	5098.8	6062.2	6501.7	6408.7	6374.9	6462.3
60°	425.4	428.2	521.2	794.4	1309.9	2186.0	3174.8	4296.0	4946.7	5169.3	5200.2
62.5°	216.9	219.7	242.3	281.7	357.8	585.9	1042.3	1653.6	2352.2	2707.2	2800.1
65°	177.5	177.5	191.6	211.3	214.1	225.4	270.4	385.9	560.6	636.6	645.1
67.5°	135.2	135.2	146.5	157.8	163.4	160.6	154.9	160.6	194.4	185.9	180.3
70°	84.5	87.3	93.0	104.2	109.9	112.7	115.5	121.1	138.0	143.7	138.0
72.5°	50.7	50.7	53.5	62.0	70.4	76.1	84.5	90.1	98.6	112.7	109.9
75°	22.5	22.5	28.2	36.6	45.1	53.5	62.0	70.4	76.1	84.5	87.3
77.5°	5.6	8.5	14.1	25.4	33.8	45.1	56.3	64.8	70.4	70.4	67.6
80°	2.8	2.8	11.3	19.7	36.6	47.9	62.0	67.6	76.1	70.4	62.0
82.5°	2.8	2.8	11.3	19.7	33.8	47.9	64.8	73.2	78.9	70.4	59.2
85°	0.0	2.8	8.5	16.9	28.2	33.8	28.2	19.7	11.3	11.3	8.5
87.5°	0.0	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)