

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: P531003

Luminaire Tested: **GALN-SA6B-735-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18864 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

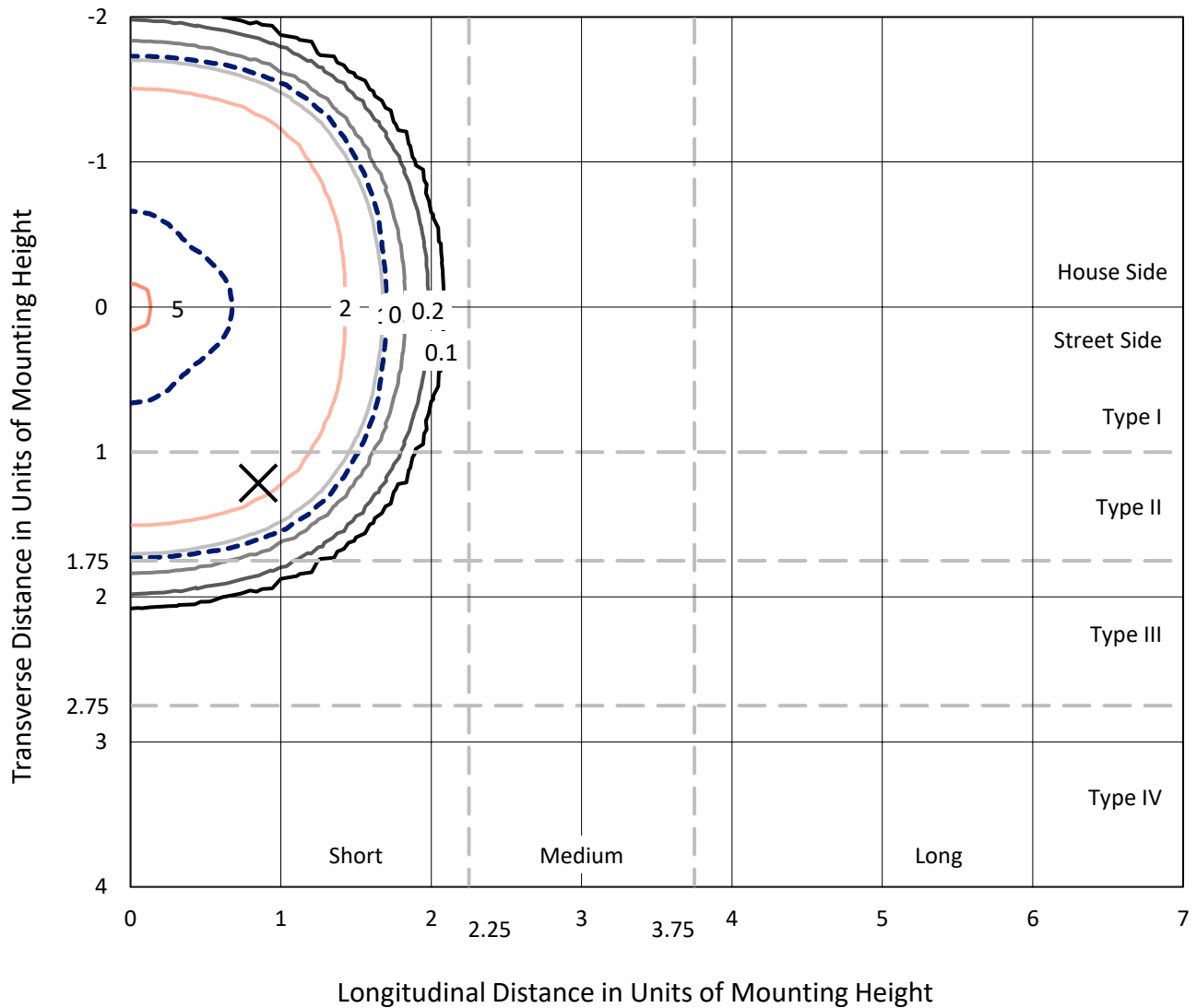
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531003
 CATALOG NUMBER: GALN-SA6B-735-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

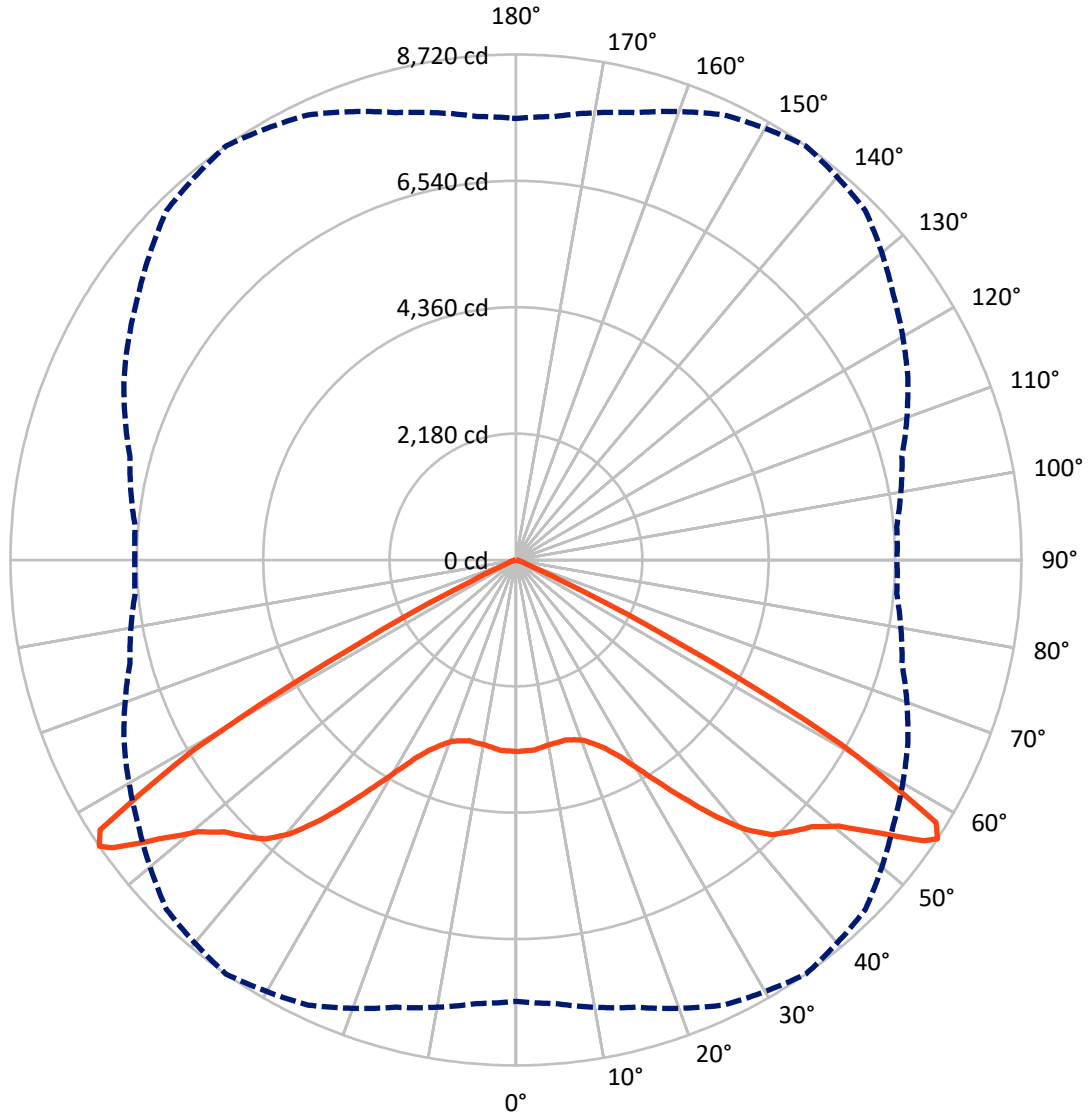
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type V - Short - N/A

REPORT NUMBER: P531003
CATALOG NUMBER: GALN-SA6B-735-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P531003
 CATALOG NUMBER: GALN-SA6B-735-U-5MQ-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9432.0	0.0	9432.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9432.0	0.0	9432.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18864.0	0.0	18864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.7	1.6
10°-20°	907.0	4.8
20°-30°	1642.4	8.7
30°-40°	3045.6	16.1
40°-50°	4999.1	26.5
50°-60°	6440.3	34.1
60°-70°	1419.4	7.5
70°-80°	82.4	0.4
80°-90°	17.3	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°	18864.0	100.0
0°-180°	18864.0	100.0

Coefficient of Utilization



REPORT NUMBER: P531003

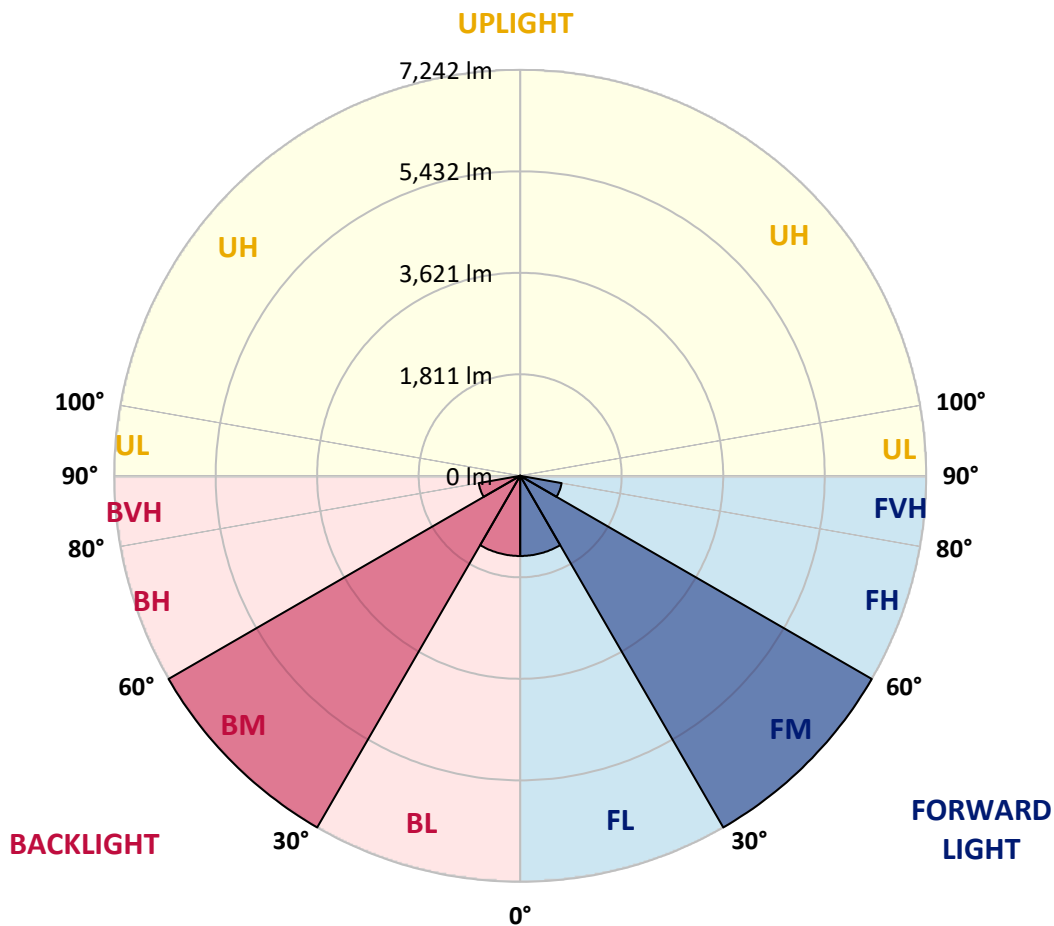
CATALOG NUMBER: GALN-SA6B-735-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1430.0	7.6			
FM (30°-60°)	7242.5	38.4			
FH (60°-80°)	750.9	4.0			G1/1800
FVH (80°-90°)	8.7	0.0			G0/10
BL (0°-30°)	1430.0	7.6	B3/2500		
BM (30°-60°)	7242.5	38.4	B4/8500		
BH (60°-80°)	750.9	4.0	B2/1000		G1/1800
BVH (80°-90°)	8.7	0.0			G0/10
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: P531003

CATALOG NUMBER: GALN-SA6B-735-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4	3305.4
2.5°	3312.2	3312.2	3315.6	3319.1	3295.1	3284.9	3288.3	3281.5	3278.0	3288.3	3288.3
5°	3302.0	3302.0	3291.7	3295.1	3295.1	3264.4	3264.4	3271.2	3271.2	3250.7	3243.9
7.5°	3274.6	3267.8	3254.1	3271.2	3260.9	3260.9	3237.0	3219.9	3213.1	3226.8	3213.1
10°	3216.5	3219.9	3233.6	3240.4	3233.6	3254.1	3213.1	3189.2	3165.2	3155.0	3155.0
12.5°	3189.2	3209.7	3189.2	3206.3	3230.2	3213.1	3189.2	3172.1	3137.9	3124.2	3124.2
15°	3185.7	3199.4	3206.3	3230.2	3219.9	3226.8	3178.9	3158.4	3107.1	3083.2	3072.9
17.5°	3182.3	3199.4	3209.7	3254.1	3260.9	3264.4	3226.8	3165.2	3120.8	3096.9	3072.9
20°	3219.9	3226.8	3247.3	3291.7	3319.1	3366.9	3298.5	3233.6	3137.9	3110.5	3100.3
22.5°	3267.8	3302.0	3322.5	3370.3	3442.1	3483.1	3394.3	3312.2	3213.1	3178.9	3137.9
25°	3421.6	3414.8	3448.9	3548.1	3606.2	3636.9	3565.2	3445.5	3315.6	3274.6	3281.5
27.5°	3613.0	3619.9	3650.6	3760.0	3845.5	3893.3	3807.9	3650.6	3524.1	3455.8	3448.9
30°	3862.5	3855.7	3889.9	4036.9	4190.7	4262.5	4112.1	3927.5	3804.4	3715.6	3736.1
32.5°	4125.7	4129.2	4224.9	4358.2	4607.7	4747.8	4505.2	4279.6	4095.0	4033.5	4002.7
35°	4515.4	4532.5	4607.7	4812.8	5089.7	5270.8	5004.2	4734.2	4522.2	4409.5	4423.1
37.5°	4997.4	4980.3	5106.8	5328.9	5619.5	5752.8	5527.2	5219.6	5004.2	4929.0	4976.9
40°	5510.1	5527.2	5592.1	5793.8	6118.5	6207.4	5872.4	5704.9	5516.9	5479.3	5537.4
42.5°	6022.8	6012.6	6060.4	6241.6	6477.4	6415.9	6217.7	6118.5	5985.2	5910.0	5988.6
45°	6398.8	6381.7	6470.6	6593.7	6679.1	6562.9	6474.0	6439.8	6371.5	6289.4	6361.2
47.5°	6764.6	6750.9	6836.4	6870.5	6877.4	6723.6	6740.6	6802.2	6631.3	6460.4	6542.4
50°	7075.6	7051.7	7157.7	7232.9	7215.8	6969.7	7031.2	6969.7	6703.0	6501.4	6470.6
52.5°	7595.2	7605.4	7718.2	7855.0	7814.0	7608.9	7520.0	7239.7	6897.9	6716.7	6610.8
55°	7923.3	7872.1	8066.9	8501.0	8548.9	8336.9	7943.8	7530.2	7017.5	6795.3	6768.0
56°	7615.7	7680.6	7988.3	8473.7	8719.8	8524.9	7954.1	7458.5	6894.5	6593.7	6573.2
57.5°	6832.9	6798.8	7215.8	7878.9	8548.9	8466.8	7673.8	6945.7	6289.4	5951.0	5910.0
60°	4252.2	4351.3	4717.1	5537.4	6433.0	6474.0	5687.8	5062.3	4296.7	3995.9	4067.6
62.5°	1664.7	1579.2	1808.2	2420.1	3035.3	3172.1	2874.7	2389.3	1962.0	1664.7	1644.1
65°	386.3	376.0	423.9	584.5	816.9	946.8	899.0	646.0	475.1	451.2	417.0
67.5°	218.8	218.8	208.5	208.5	229.0	242.7	232.4	229.0	239.3	249.5	246.1
70°	153.8	150.4	143.6	147.0	140.1	140.1	150.4	167.5	181.2	181.2	184.6
72.5°	92.3	92.3	92.3	102.5	102.5	102.5	112.8	126.5	129.9	126.5	123.1
75°	41.0	41.0	47.9	58.1	64.9	68.4	78.6	85.5	92.3	85.5	78.6
77.5°	10.3	10.3	17.1	23.9	30.8	37.6	51.3	61.5	64.9	61.5	51.3
80°	3.4	3.4	6.8	17.1	30.8	37.6	51.3	54.7	58.1	51.3	41.0
82.5°	3.4	3.4	6.8	17.1	23.9	30.8	41.0	47.9	51.3	44.4	41.0
85°	0.0	3.4	6.8	13.7	20.5	27.3	27.3	20.5	17.1	10.3	13.7
87.5°	0.0	0.0	3.4	3.4	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)