

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: P648466

Luminaire Tested: **GALN-SA6B-835-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648466
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18149.9 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

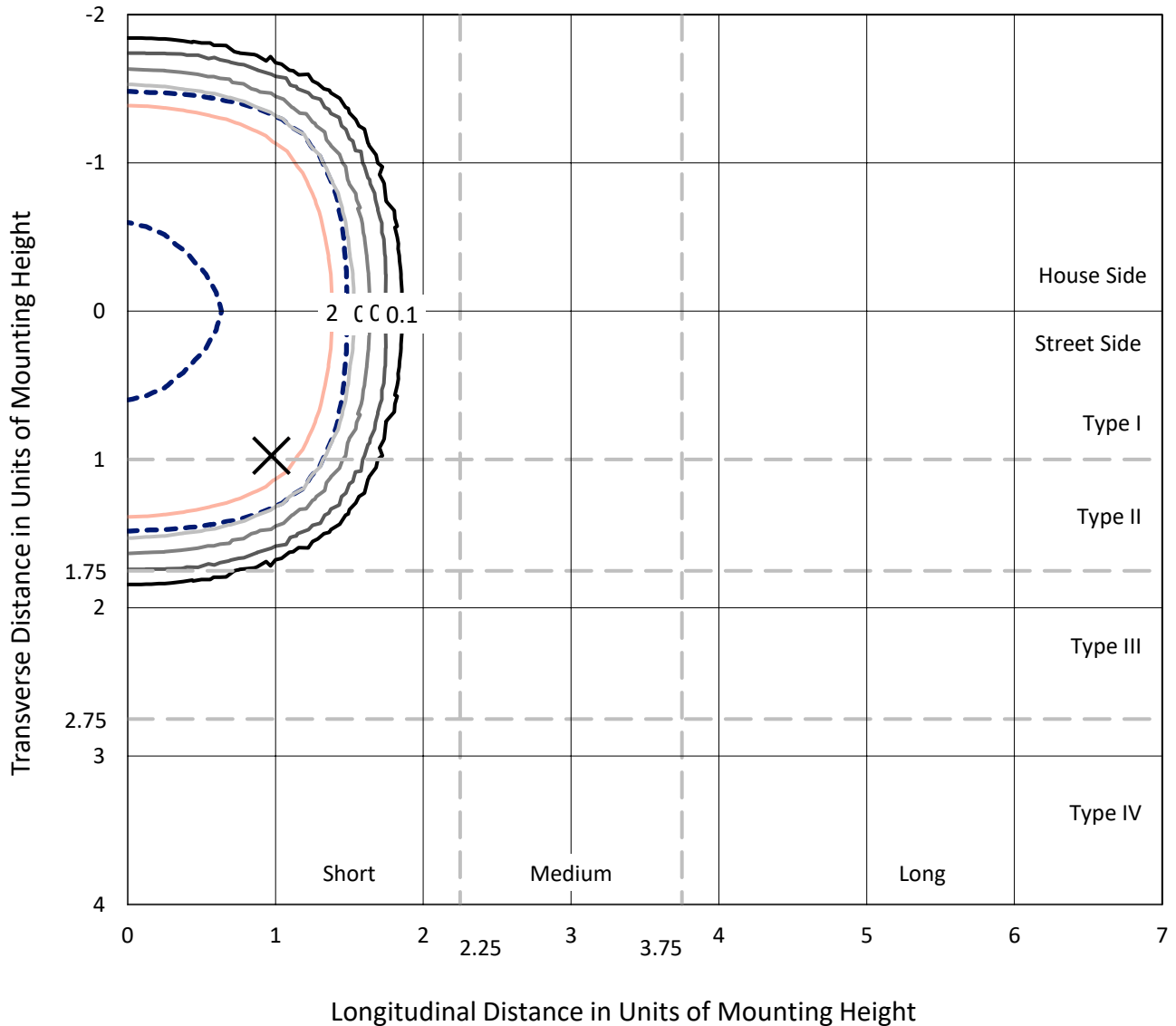
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

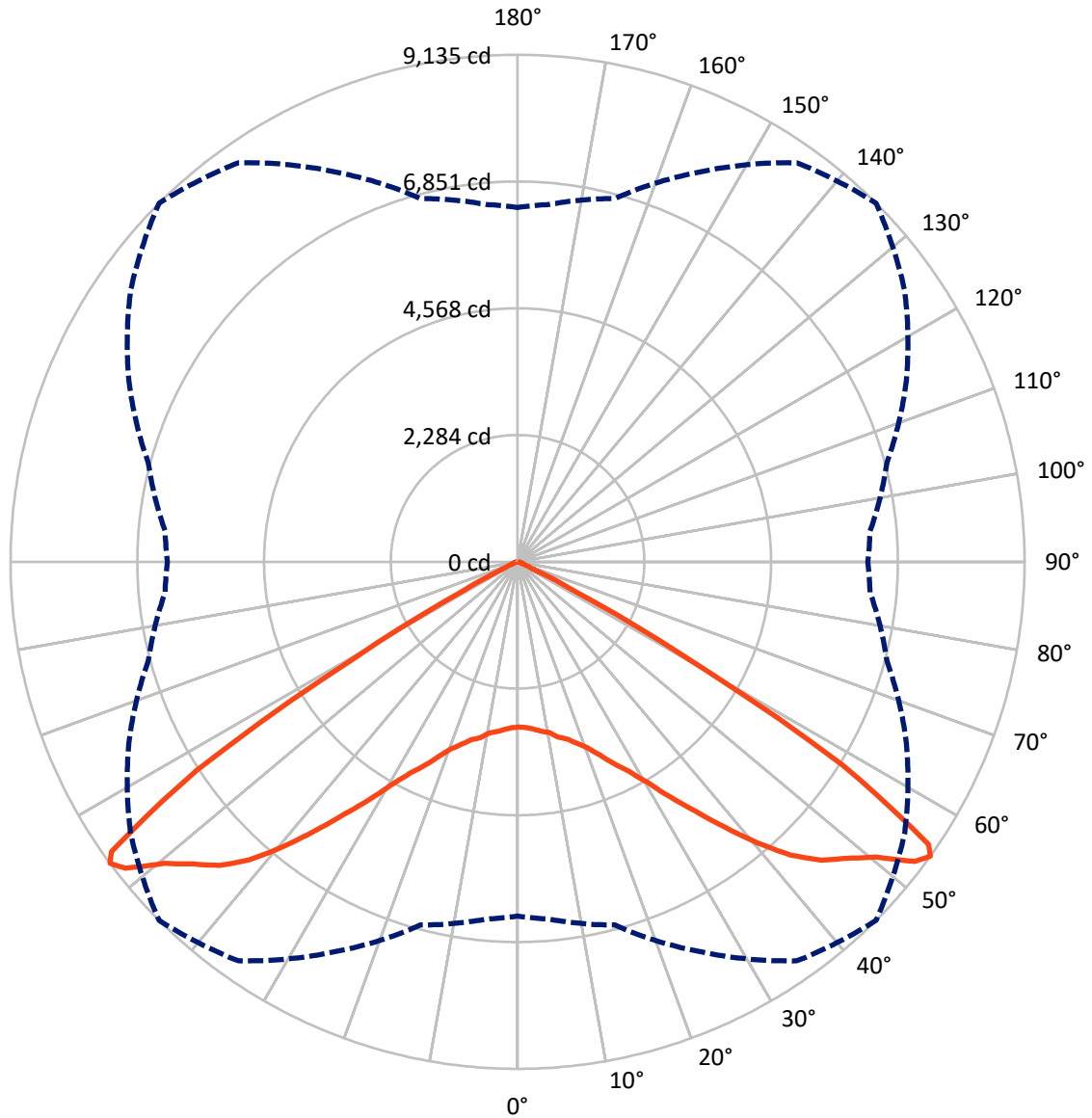
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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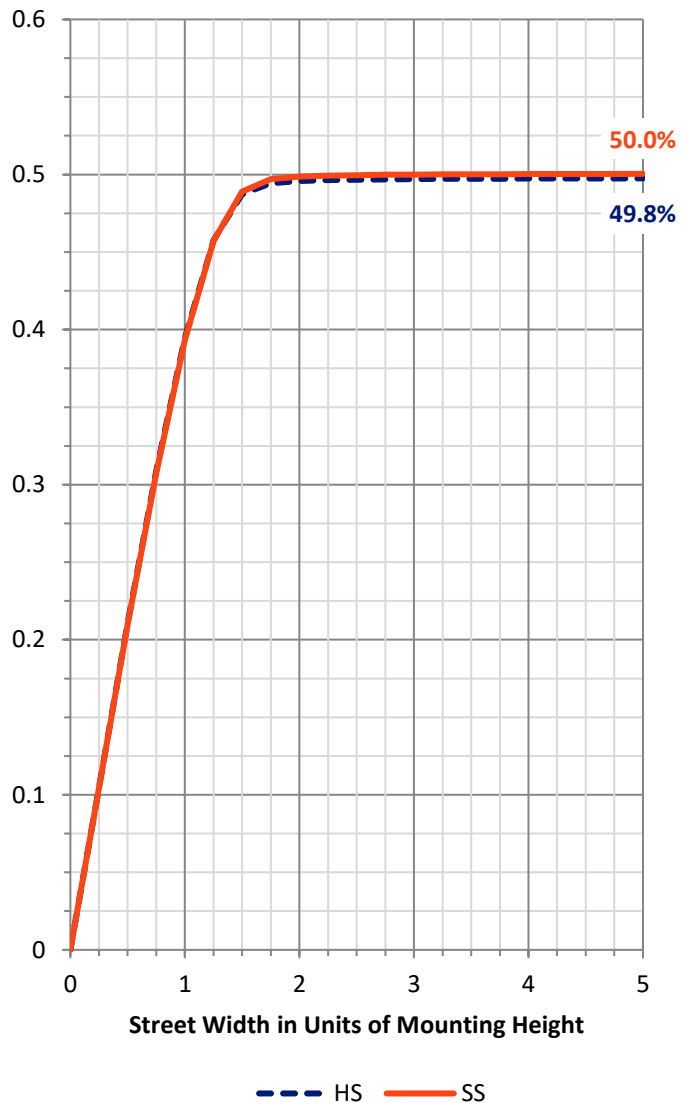
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9075.0	0.0	9075.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9075.0	0.0	9075.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18149.9	0.0	18149.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.3	1.6
10°-20°	943.3	5.2
20°-30°	1848.8	10.2
30°-40°	3324.5	18.3
40°-50°	5690.9	31.4
50°-60°	5506.5	30.3
60°-70°	471.4	2.6
70°-80°	55.9	0.3
80°-90°	17.5	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°	18149.9	100.0
0°-180°	18149.9	100.0

Coefficient of Utilization



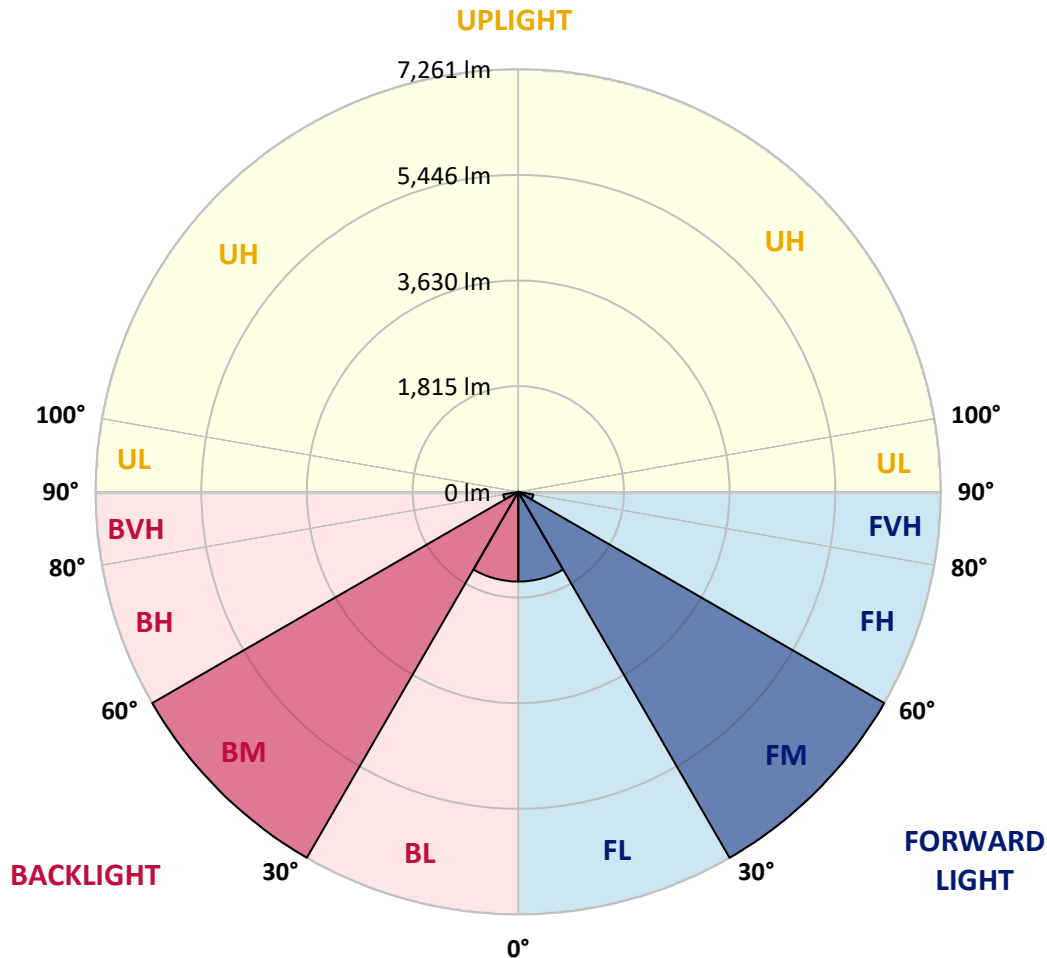
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 CATALOG NUMBER: GALN-SA6B-835-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1541.7	8.5			
FM (30°-60°)	7260.9	40.0			
FH (60°-80°)	263.6	1.5			G0/660
FVH (80°-90°)	8.8	0.0			G0/10
BL (0°-30°)	1541.7	8.5	B3/2500		
BM (30°-60°)	7260.9	40.0	B4/8500		
BH (60°-80°)	263.6	1.5	B1/500		G0/660
BVH (80°-90°)	8.8	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0	2976.0
2.5°	2990.4	3007.7	2996.1	3004.8	3004.8	2990.4	2999.0	2964.5	2987.5	2970.3	2973.1
5°	3036.4	3033.5	3033.5	3036.4	3024.9	3030.7	3019.2	3007.7	2999.0	2987.5	3022.1
7.5°	3093.9	3093.9	3073.8	3079.5	3073.8	3082.4	3059.4	3036.4	3027.8	3019.2	3013.4
10°	3148.5	3142.8	3134.2	3160.0	3139.9	3128.4	3116.9	3102.6	3070.9	3059.4	3047.9
12.5°	3229.1	3226.2	3214.7	3240.5	3229.1	3240.5	3197.5	3160.0	3154.3	3116.9	3137.0
15°	3323.9	3349.8	3329.7	3329.7	3323.9	3309.6	3292.3	3275.1	3223.3	3209.0	3211.8
17.5°	3447.5	3438.9	3441.8	3441.8	3470.6	3433.2	3398.7	3355.5	3329.7	3321.1	3292.3
20°	3565.5	3577.0	3574.1	3594.2	3611.5	3571.3	3533.8	3528.1	3456.2	3467.8	3427.4
22.5°	3772.5	3763.9	3778.3	3792.6	3781.1	3775.4	3740.9	3697.7	3634.5	3605.7	3600.0
25°	3991.0	3976.6	3950.8	3985.3	4002.5	4028.4	3962.3	3939.3	3841.6	3798.4	3801.2
27.5°	4177.9	4198.1	4226.8	4241.2	4284.3	4275.7	4229.7	4154.9	4080.1	4031.3	3999.6
30°	4433.8	4445.3	4494.3	4514.4	4589.1	4609.2	4537.3	4451.1	4318.8	4255.6	4218.2
32.5°	4669.7	4750.1	4747.3	4847.9	4968.7	5052.1	4922.6	4790.4	4658.1	4583.4	4517.2
35°	5052.1	5037.7	5121.1	5227.5	5423.0	5517.9	5376.9	5224.6	5023.3	4902.5	4850.8
37.5°	5408.6	5414.4	5526.5	5696.2	5920.4	6067.1	5943.4	5693.3	5486.2	5331.0	5259.1
40°	5926.1	5937.6	6052.7	6245.4	6498.4	6656.5	6512.8	6259.7	5983.7	5862.9	5862.9
42.5°	6532.9	6581.7	6656.5	6823.3	7050.4	7225.8	7096.5	6898.1	6619.2	6463.9	6486.8
45°	7156.9	7179.9	7228.7	7476.0	7582.4	7668.6	7547.9	7455.9	7269.0	7079.2	7047.5
47.5°	7740.5	7749.2	7893.0	7970.5	8053.9	7982.1	8059.7	7938.9	7729.1	7545.0	7507.6
50°	7999.4	7985.0	8189.1	8424.8	8488.1	8361.7	8295.5	8215.0	7895.8	7674.4	7576.6
52.5°	7246.0	7329.3	7708.9	8364.5	8859.1	8965.4	8580.1	8209.2	7614.0	7182.7	7116.6
54°	6383.3	6461.0	6774.4	7746.3	8775.7	9135.1	8514.0	7726.2	6886.6	6374.7	6308.6
55°	5529.4	5443.1	6012.4	7004.4	8384.6	8985.6	8252.4	7102.2	6141.9	5673.1	5581.1
57.5°	2993.3	3007.7	3487.9	4425.2	5891.7	6889.5	6084.3	4804.8	3628.7	3102.6	3056.5
60°	948.8	971.9	1181.8	1788.5	2815.0	3361.3	2881.1	1929.4	1334.2	1069.7	1026.5
62.5°	296.1	307.6	336.5	500.3	770.6	1101.3	862.6	517.6	385.3	353.7	359.4
65°	181.2	181.2	184.0	195.5	230.0	267.4	258.8	227.1	218.5	212.7	209.9
67.5°	117.9	115.0	120.7	129.4	135.1	138.0	146.7	155.3	152.4	146.7	146.7
70°	71.9	69.0	74.8	86.3	89.1	94.9	103.5	115.0	112.1	106.4	109.2
72.5°	40.2	40.2	43.1	51.8	60.4	66.2	74.8	83.4	86.3	83.4	83.4
75°	14.4	17.2	23.0	31.6	37.3	46.0	54.7	63.3	71.9	66.2	63.3
77.5°	5.7	5.7	11.5	20.1	28.7	37.3	51.8	60.4	66.2	60.4	54.7
80°	2.9	2.9	8.6	17.2	25.9	34.5	43.1	51.8	54.7	48.9	43.1
82.5°	2.9	2.9	8.6	17.2	25.9	31.6	46.0	51.8	57.5	51.8	43.1
85°	0.0	2.9	8.6	17.2	23.0	25.9	25.9	17.2	14.4	8.6	8.6
87.5°	0.0	0.0	2.9	0.0	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)