

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: P652425

Luminaire Tested: **GALN-SA6B-840-U-5MQ**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-840-U-5MQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29762.1 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G3

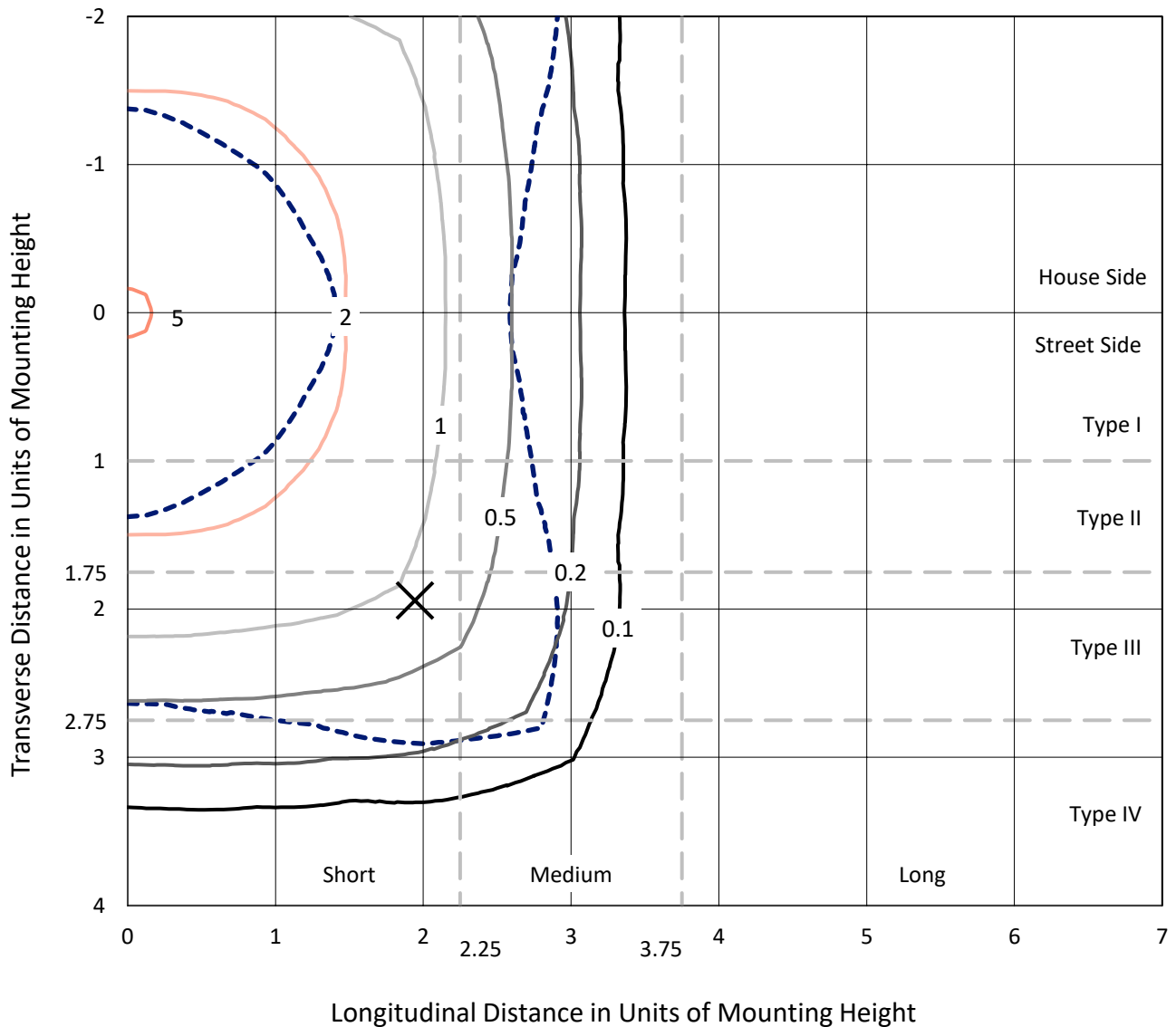
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

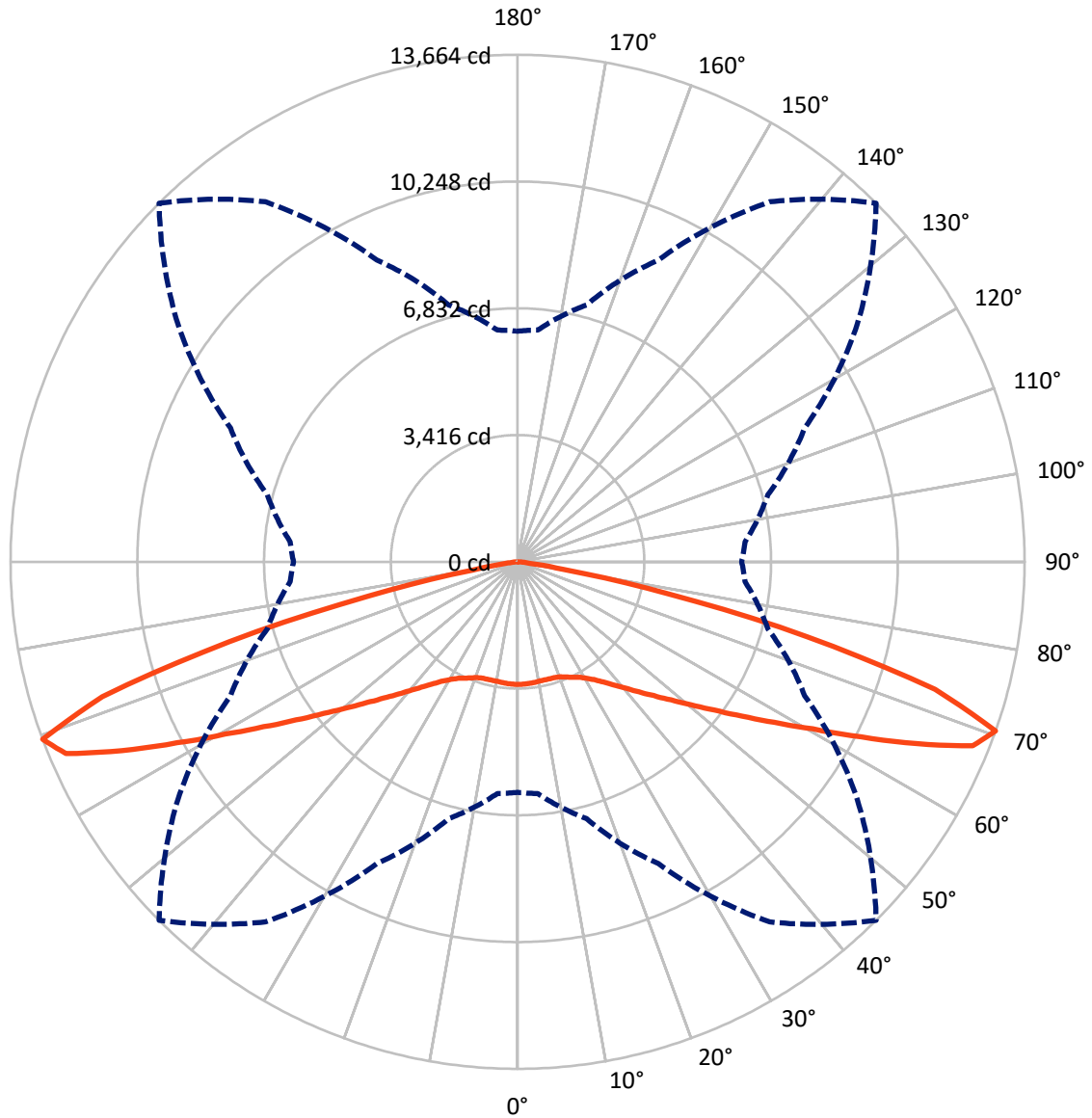
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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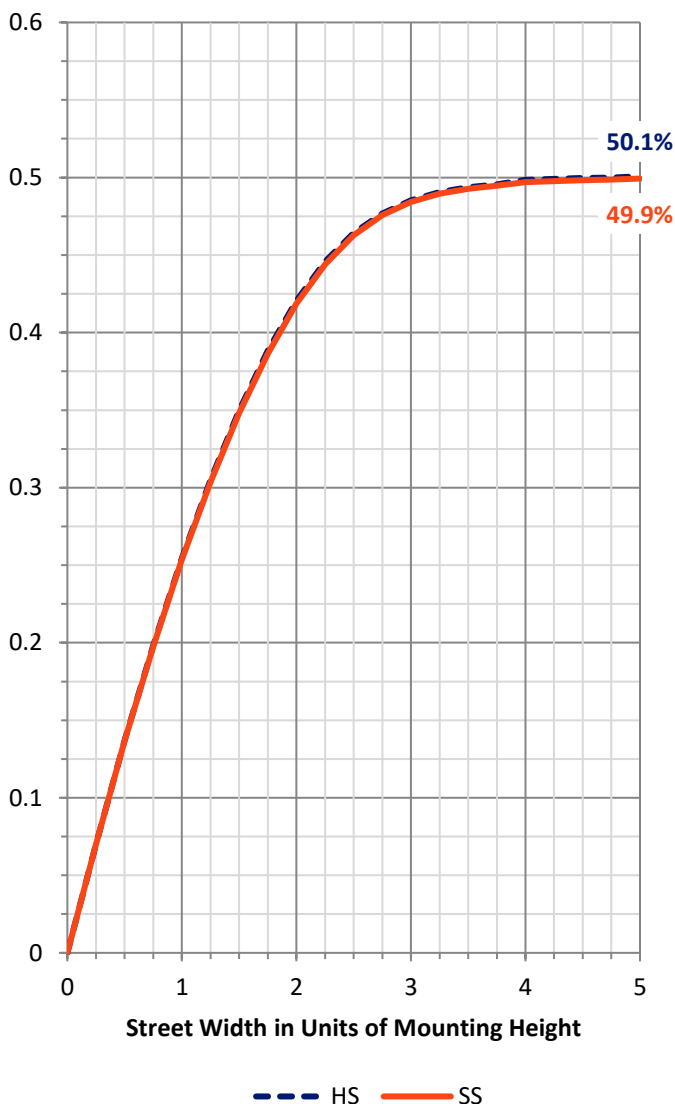
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14881.1	0.0	14881.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14881.1	0.0	14881.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	29762.1	0.0	29762.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	313.4	1.1
10°-20°	919.7	3.1
20°-30°	1572.9	5.3
30°-40°	2496.5	8.4
40°-50°	4027.6	13.5
50°-60°	6552.9	22.0
60°-70°	9499.4	31.9
70°-80°	4213.6	14.2
80°-90°	166.2	0.6
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°	29762.1	100.0
0°-180°	29762.1	100.0

**Coefficient of Utilization**



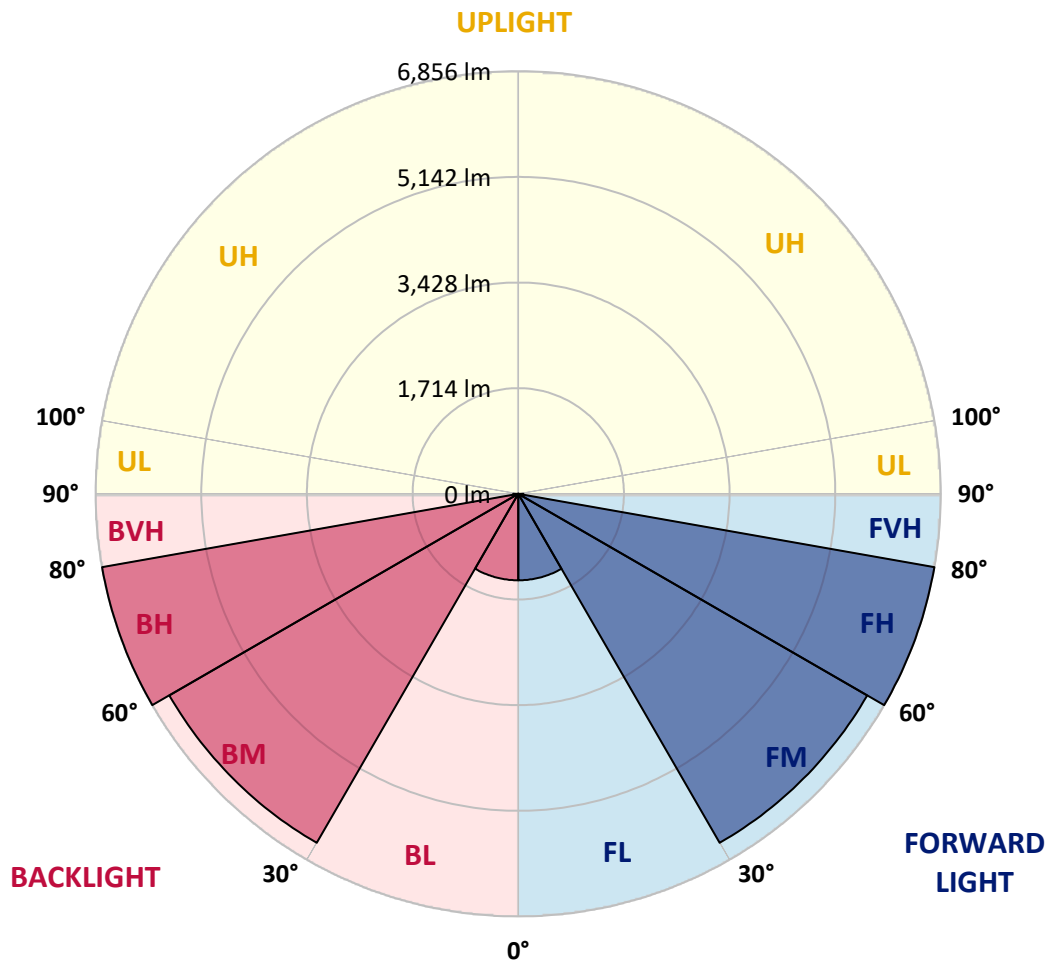
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1403.0	4.7			
FM (30°-60°)	6538.5	22.0			
FH (60°-80°)	6856.5	23.0			G3/7500
FVH (80°-90°)	83.1	0.3			G1/100
BL (0°-30°)	1403.0	4.7	B3/2500		
BM (30°-60°)	6538.5	22.0	B4/8500		
BH (60°-80°)	6856.5	23.0	B5		G3/7500
BVH (80°-90°)	83.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0	3305.0
2.5°	3305.0	3308.1	3303.4	3300.3	3298.7	3298.7	3297.1	3298.7	3308.1	3309.7	3305.0
5°	3295.5	3298.7	3297.1	3293.9	3292.4	3292.4	3290.8	3289.2	3297.1	3300.3	3298.7
7.5°	3283.0	3284.5	3283.0	3281.4	3283.0	3281.4	3276.7	3273.6	3279.8	3279.8	3278.3
10°	3261.1	3264.2	3262.6	3264.2	3267.3	3267.3	3261.1	3254.8	3256.4	3253.2	3253.2
12.5°	3234.4	3239.0	3240.6	3246.9	3254.8	3264.2	3250.0	3235.9	3232.8	3231.2	3229.7
15°	3217.1	3221.8	3228.1	3234.4	3248.4	3268.9	3248.4	3226.5	3220.3	3214.0	3210.9
17.5°	3212.4	3218.7	3228.1	3237.5	3256.4	3276.7	3259.5	3237.5	3221.8	3212.4	3209.3
20°	3225.0	3229.7	3243.7	3261.1	3287.7	3308.1	3290.8	3267.3	3243.7	3229.7	3225.0
22.5°	3250.0	3257.9	3275.1	3306.5	3344.2	3373.9	3350.5	3311.2	3273.6	3254.8	3248.4
25°	3305.0	3311.2	3331.6	3373.9	3417.9	3446.1	3421.0	3375.5	3323.8	3298.7	3290.8
27.5°	3388.1	3397.5	3419.4	3469.6	3505.7	3521.4	3504.2	3472.7	3435.1	3408.5	3402.2
30°	3505.7	3516.7	3549.6	3603.0	3626.5	3635.9	3628.1	3607.6	3581.0	3552.8	3546.5
32.5°	3664.2	3670.5	3708.1	3758.3	3780.2	3783.3	3773.9	3764.6	3720.6	3673.6	3670.5
35°	3841.4	3852.4	3897.9	3957.5	3977.8	3979.4	3960.6	3946.5	3894.8	3857.1	3857.1
37.5°	4076.7	4081.4	4125.3	4192.7	4214.7	4208.4	4199.0	4186.5	4131.6	4083.0	4084.5
40°	4352.8	4362.2	4399.8	4478.2	4478.2	4470.4	4476.6	4467.2	4412.3	4365.3	4366.9
42.5°	4680.6	4685.3	4730.8	4813.9	4807.7	4791.9	4798.2	4785.6	4751.1	4697.8	4679.0
45°	5030.4	5049.2	5127.6	5207.6	5195.0	5144.9	5170.0	5166.9	5135.5	5055.4	5060.1
47.5°	5452.3	5483.7	5558.9	5654.6	5640.5	5562.1	5590.3	5609.1	5565.2	5477.4	5461.7
50°	5927.5	5948.0	6059.3	6148.7	6136.2	6053.1	6117.3	6120.5	6010.7	5886.7	5886.7
52.5°	6434.2	6454.6	6605.2	6744.8	6752.6	6631.9	6683.6	6680.5	6501.7	6338.5	6307.2
55°	7002.0	7011.4	7205.9	7411.4	7455.4	7337.7	7343.9	7281.2	7049.1	6859.3	6842.0
57.5°	7588.7	7623.2	7838.0	8104.7	8234.9	8162.7	8129.9	7962.0	7737.7	7519.6	7508.7
60°	8238.0	8239.6	8518.8	8834.1	9097.6	9146.2	9011.3	8787.0	8496.9	8208.2	8195.7
62.5°	8688.2	8755.7	9108.6	9641.9	10114.0	10386.9	10030.9	9560.3	8989.4	8523.5	8476.4
65°	8780.8	8826.3	9364.3	10267.8	11232.4	11820.7	10997.2	9996.4	9022.3	8401.2	8369.8
67.5°	8032.6	8081.2	8805.9	10192.5	12016.7	13223.0	11624.6	9786.2	8463.9	7695.3	7634.2
70°	6213.1	6268.0	7163.6	8972.1	11842.6	13663.7	11177.6	8536.1	6980.0	6150.3	6039.0
72.5°	3303.4	3505.7	4271.2	6158.1	9612.1	11764.2	9165.0	6228.7	4501.8	3679.8	3532.4
75°	1206.2	1231.3	1657.9	2730.9	5591.9	8067.0	5806.8	2970.8	1708.2	1319.2	1251.7
77.5°	498.8	497.2	545.9	825.0	2031.3	4131.6	2266.6	872.1	544.3	503.5	497.2
80°	294.9	294.9	324.7	343.5	534.9	1247.0	597.6	389.0	326.2	298.1	302.8
82.5°	131.8	139.6	205.5	216.5	258.8	342.0	288.6	247.8	213.4	147.4	133.3
85°	72.2	62.7	108.2	112.9	123.9	127.1	136.5	134.9	123.9	72.2	73.8
87.5°	14.1	17.2	31.4	23.5	26.7	23.5	31.4	43.9	45.5	25.1	20.4
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)