

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: P531031

Luminaire Tested: **GALN-SA6B-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531031  
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-740-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 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: 23180 lumens  
Efficiency: N/A  
Efficacy: 95.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

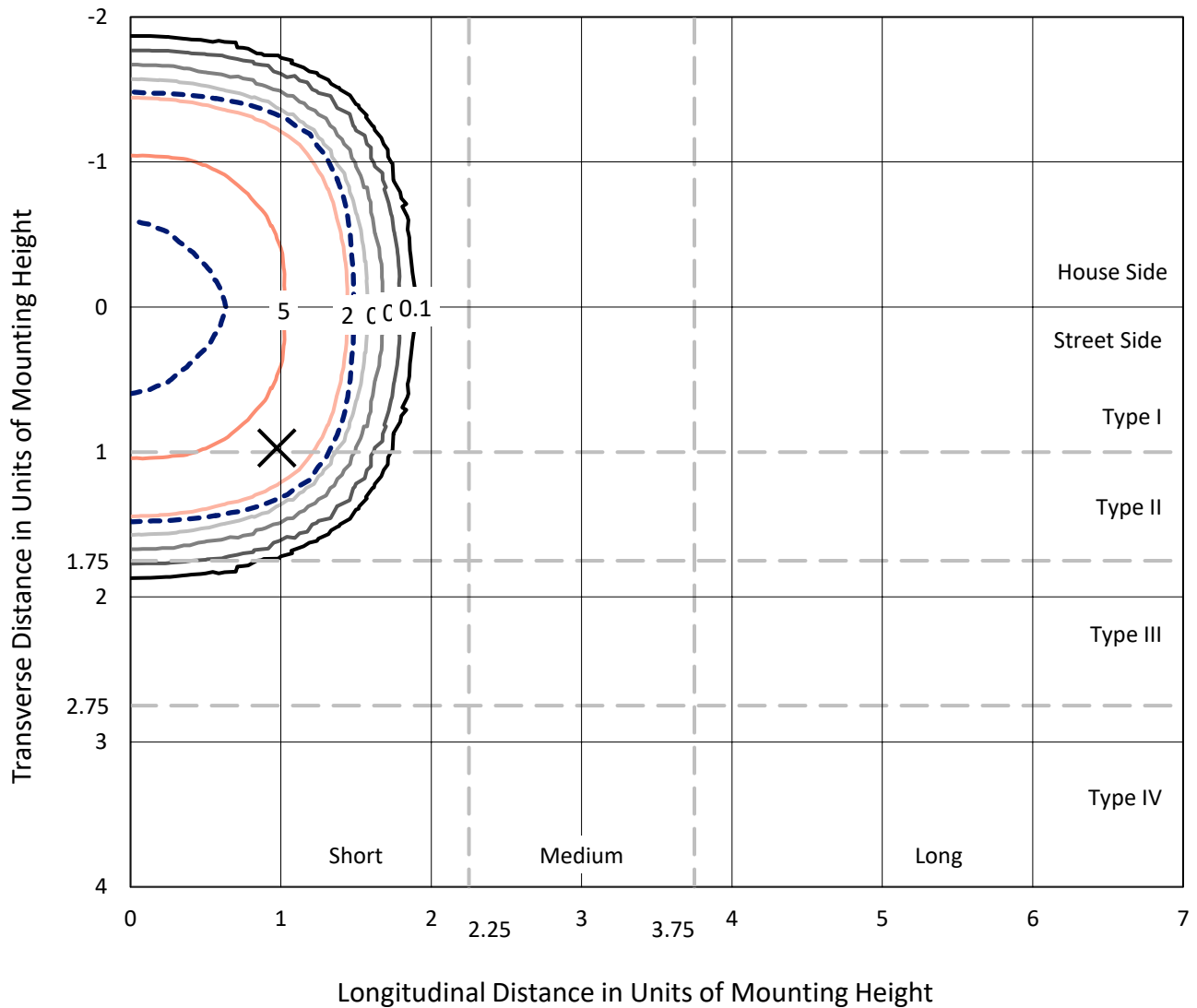
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

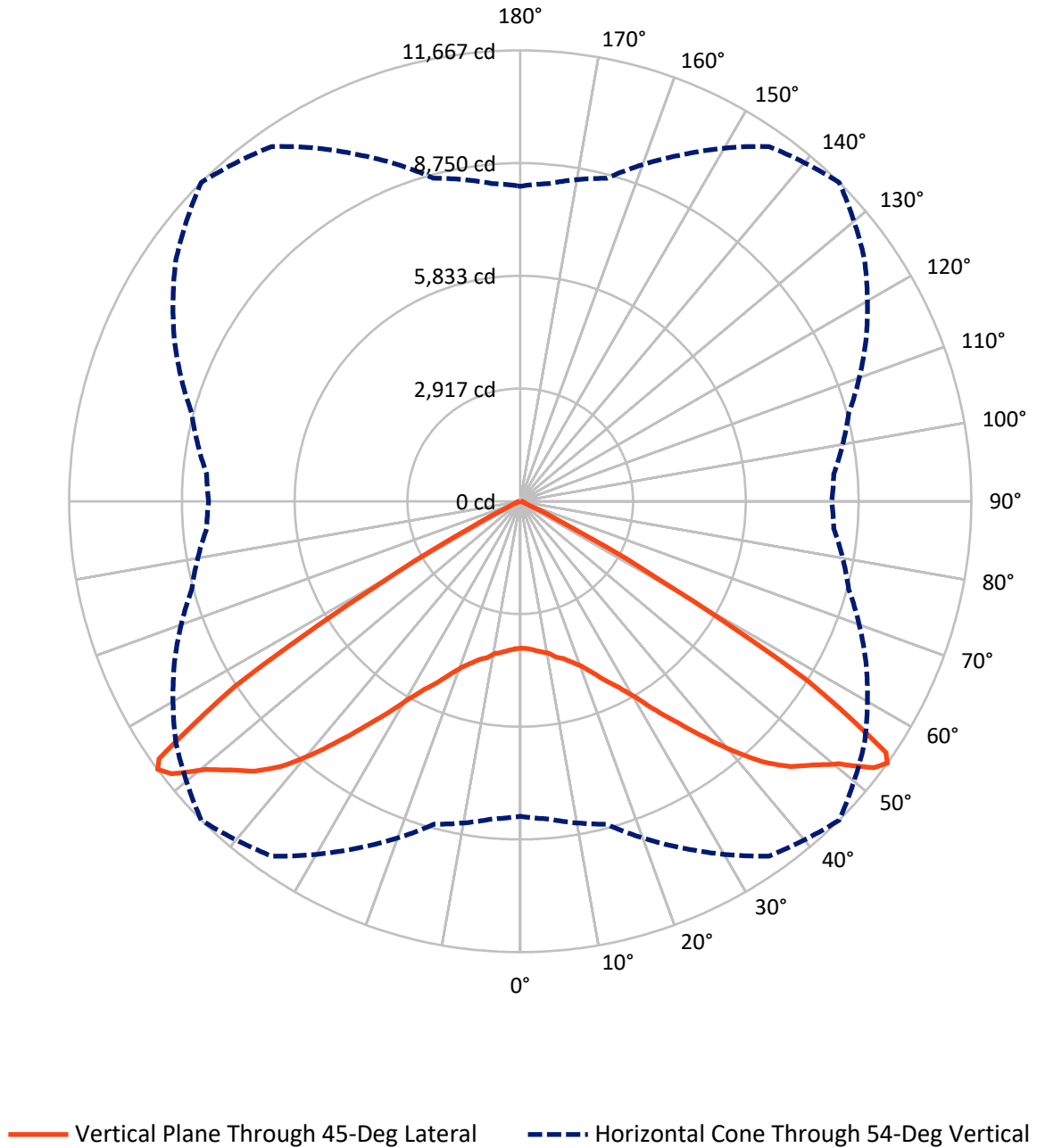
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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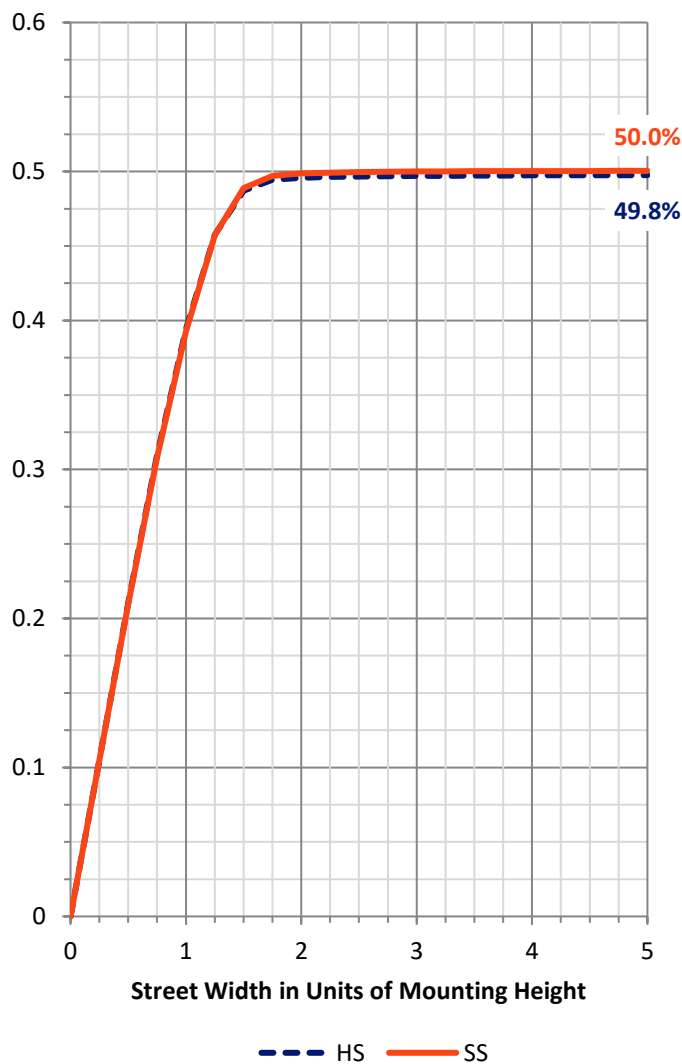
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11590.0	0.0	11590.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11590.0	0.0	11590.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23180.0	0.0	23180.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	372.0	1.6
10°-20°	1204.7	5.2
20°-30°	2361.1	10.2
30°-40°	4245.8	18.3
40°-50°	7268.0	31.4
50°-60°	7032.5	30.3
60°-70°	602.0	2.6
70°-80°	71.4	0.3
80°-90°	22.4	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°	23180.0	100.0
0°-180°	23180.0	100.0

**Coefficient of Utilization**



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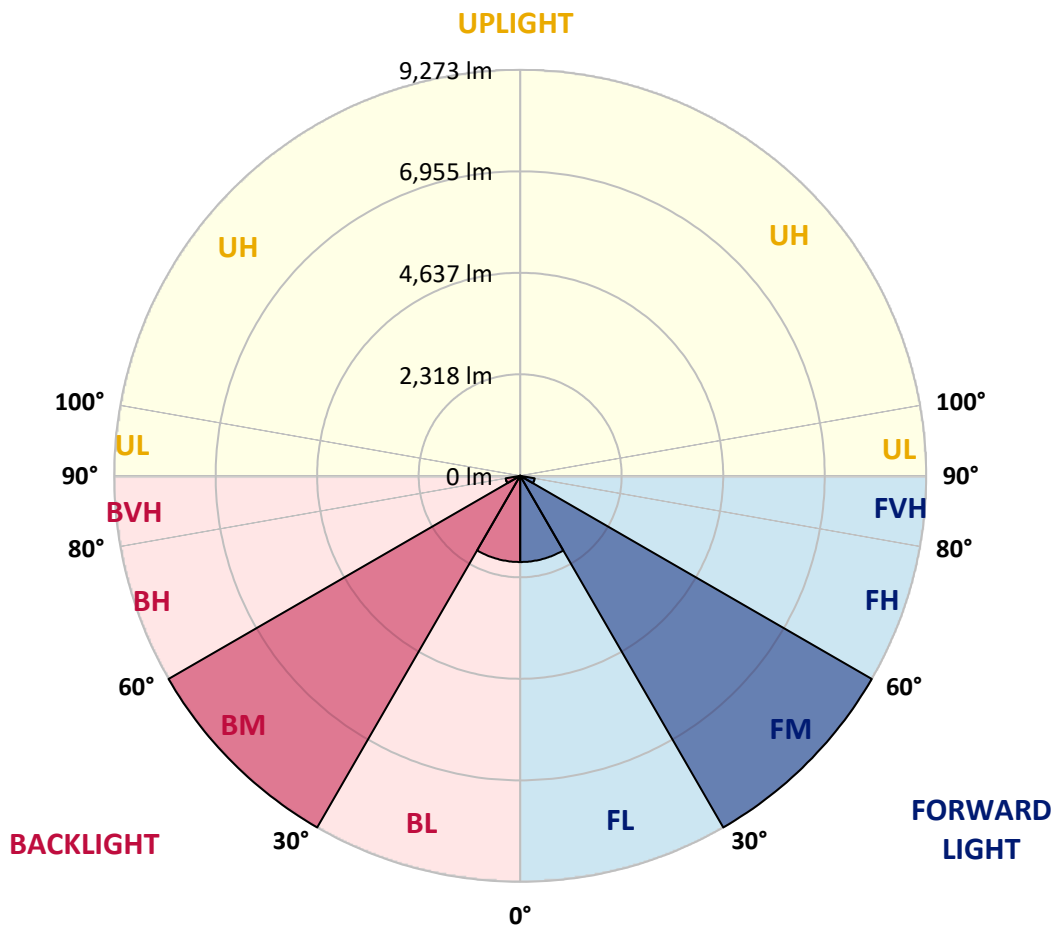
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.9	8.5			
FM (30°-60°)	9273.2	40.0			
FH (60°-80°)	336.7	1.5			G0/660
FVH (80°-90°)	11.2	0.0			G1/100
BL (0°-30°)	1968.9	8.5	B3/2500		
BM (30°-60°)	9273.2	40.0	B5		
BH (60°-80°)	336.7	1.5	B1/500		G0/660
BVH (80°-90°)	11.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8	3800.8
2.5°	3819.2	3841.2	3826.5	3837.5	3837.5	3819.2	3830.2	3786.1	3815.5	3793.5	3797.1
5°	3877.9	3874.2	3874.2	3877.9	3863.2	3870.6	3855.9	3841.2	3830.2	3815.5	3859.6
7.5°	3951.4	3951.4	3925.7	3933.0	3925.7	3936.7	3907.3	3877.9	3866.9	3855.9	3848.5
10°	4021.1	4013.8	4002.8	4035.8	4010.1	3995.4	3980.7	3962.4	3922.0	3907.3	3892.6
12.5°	4124.0	4120.3	4105.6	4138.6	4124.0	4138.6	4083.6	4035.8	4028.5	3980.7	4006.4
15°	4245.1	4278.2	4252.5	4252.5	4245.1	4226.8	4204.7	4182.7	4116.6	4098.3	4101.9
17.5°	4403.0	4392.0	4395.7	4395.7	4432.4	4384.7	4340.6	4285.5	4252.5	4241.5	4204.7
20°	4553.6	4568.3	4564.6	4590.3	4612.4	4561.0	4513.2	4505.9	4414.1	4428.8	4377.3
22.5°	4818.0	4807.0	4825.4	4843.7	4829.0	4821.7	4777.6	4722.5	4641.7	4605.0	4597.7
25°	5097.1	5078.7	5045.7	5089.8	5111.8	5144.8	5060.4	5031.0	4906.2	4851.1	4854.7
27.5°	5335.8	5361.5	5398.2	5416.6	5471.7	5460.7	5401.9	5306.4	5210.9	5148.5	5108.1
30°	5662.6	5677.3	5739.8	5765.5	5860.9	5886.6	5794.8	5684.7	5515.7	5435.0	5387.2
32.5°	5963.8	6066.6	6062.9	6191.4	6345.7	6452.2	6286.9	6118.0	5949.1	5853.6	5769.1
35°	6452.2	6433.8	6540.3	6676.2	6925.9	7047.1	6867.1	6672.5	6415.5	6261.2	6195.1
37.5°	6907.5	6914.9	7058.1	7274.8	7561.2	7748.5	7590.6	7271.1	7006.7	6808.4	6716.6
40°	7568.5	7583.2	7730.1	7976.2	8299.3	8501.3	8317.7	7994.5	7642.0	7487.8	7487.8
42.5°	8343.4	8405.8	8501.3	8714.3	9004.4	9228.4	9063.2	8809.8	8453.6	8255.3	8284.6
45°	9140.3	9169.7	9232.1	9547.9	9683.8	9793.9	9639.7	9522.2	9283.5	9041.1	9000.7
47.5°	9885.7	9896.8	10080.4	10179.5	10286.0	10194.2	10293.4	10139.1	9871.1	9636.0	9588.3
50°	10216.3	10197.9	10458.6	10759.7	10840.5	10679.0	10594.5	10491.7	10084.0	9801.3	9676.4
52.5°	9254.1	9360.6	9845.4	10682.6	11314.3	11450.1	10958.0	10484.3	9724.2	9173.3	9088.9
54°	8152.4	8251.6	8651.9	9893.1	11207.8	11666.8	10873.6	9867.4	8795.1	8141.4	8057.0
55°	7061.8	6951.6	7678.7	8945.6	10708.3	11475.8	10539.4	9070.5	7844.0	7245.4	7127.9
57.5°	3822.8	3841.2	4454.5	5651.6	7524.5	8798.8	7770.5	6136.4	4634.4	3962.4	3903.6
60°	1211.8	1241.2	1509.3	2284.2	3595.2	4292.9	3679.6	2464.1	1703.9	1366.1	1311.0
62.5°	378.2	392.9	429.7	639.0	984.2	1406.5	1101.7	661.0	492.1	451.7	459.0
65°	231.4	231.4	235.0	249.7	293.8	341.5	330.5	290.1	279.1	271.7	268.1
67.5°	150.6	146.9	154.2	165.3	172.6	176.3	187.3	198.3	194.6	187.3	187.3
70°	91.8	88.1	95.5	110.2	113.8	121.2	132.2	146.9	143.2	135.9	139.5
72.5°	51.4	51.4	55.1	66.1	77.1	84.5	95.5	106.5	110.2	106.5	106.5
75°	18.4	22.0	29.4	40.4	47.7	58.8	69.8	80.8	91.8	84.5	80.8
77.5°	7.3	7.3	14.7	25.7	36.7	47.7	66.1	77.1	84.5	77.1	69.8
80°	3.7	3.7	11.0	22.0	33.1	44.1	55.1	66.1	69.8	62.4	55.1
82.5°	3.7	3.7	11.0	22.0	33.1	40.4	58.8	66.1	73.4	66.1	55.1
85°	0.0	3.7	11.0	22.0	29.4	33.1	33.1	22.0	18.4	11.0	11.0
87.5°	0.0	0.0	3.7	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)