

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: P530797

Luminaire Tested: **GALN-SA6A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530797
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-SA6A-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA 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: 18629 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

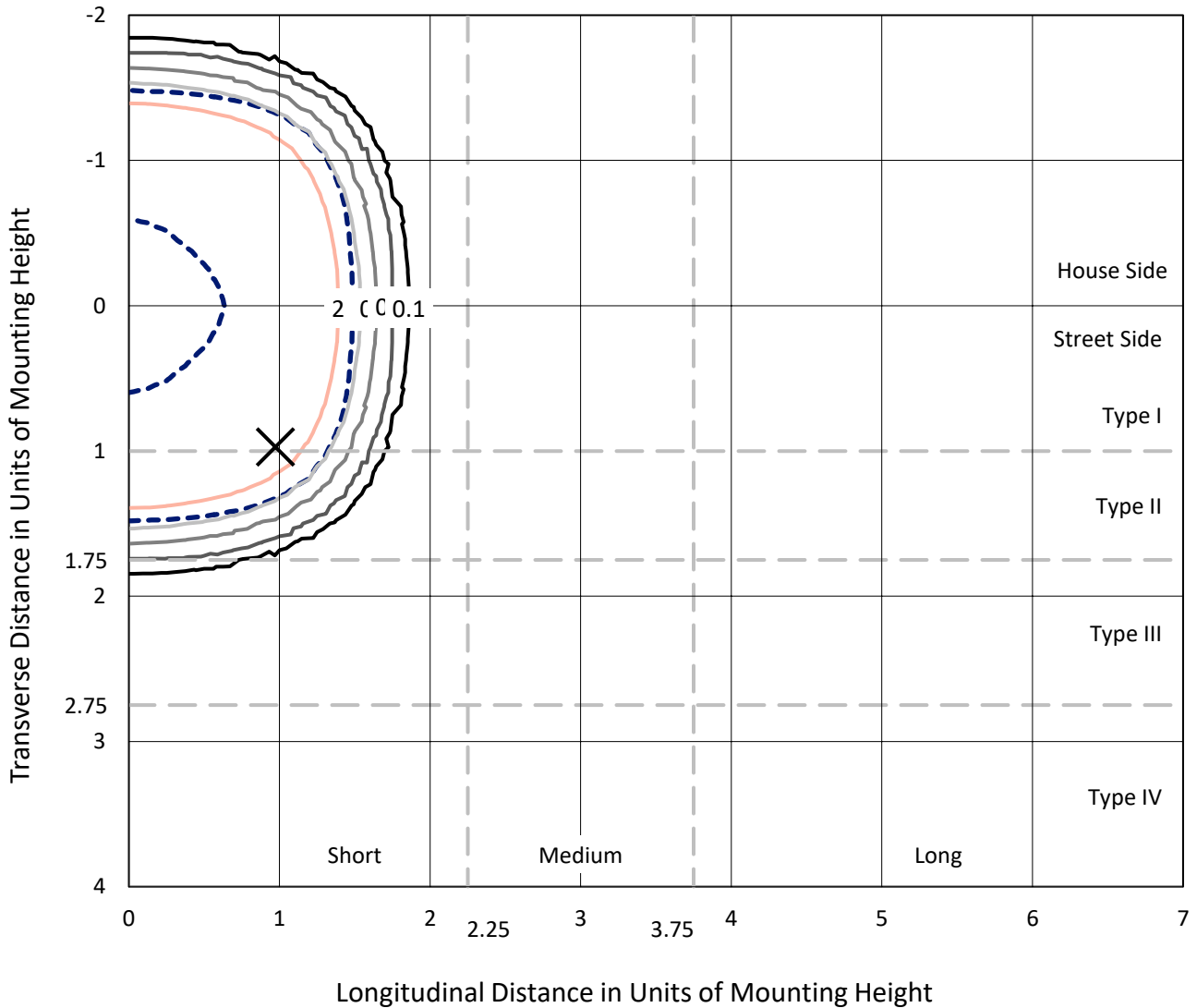
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

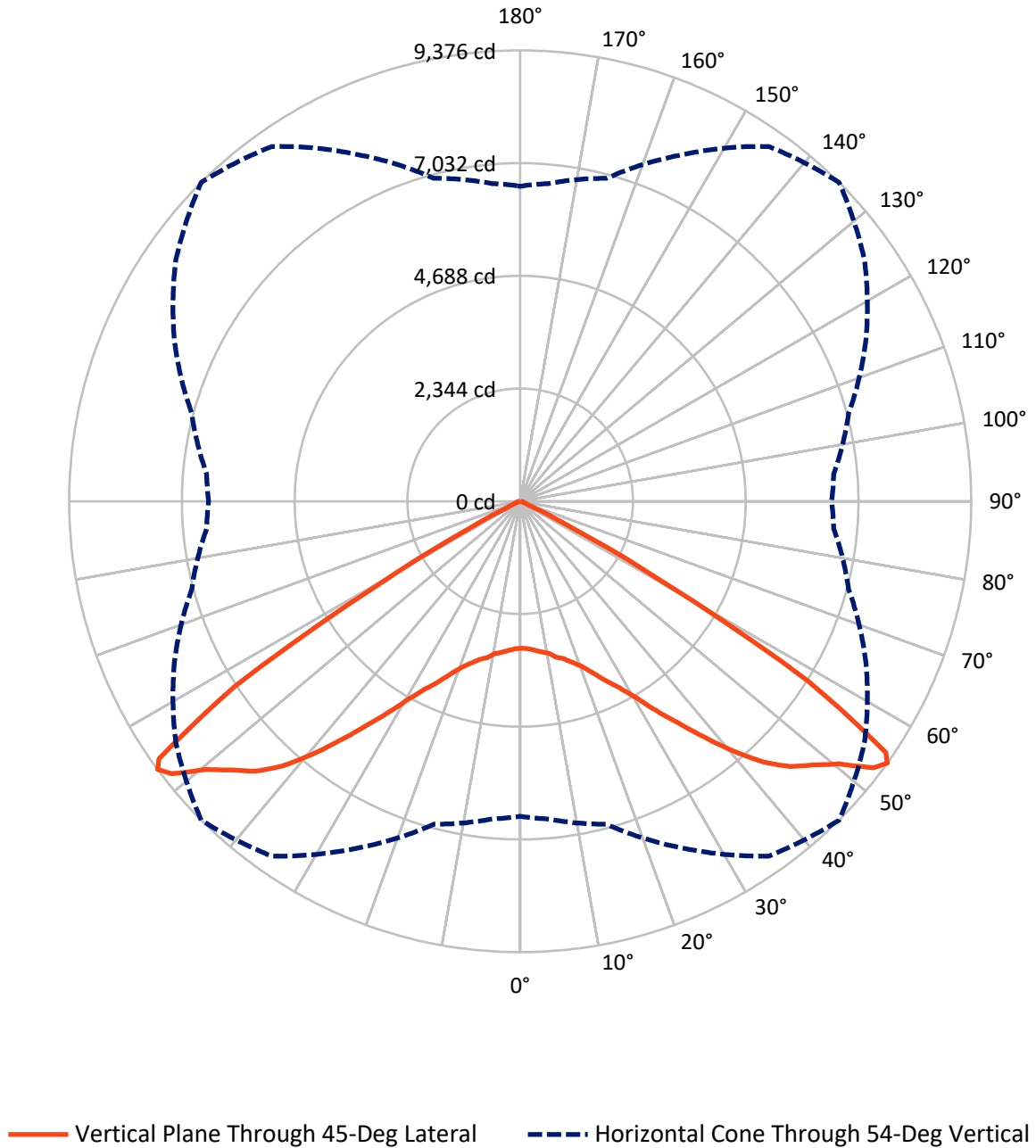
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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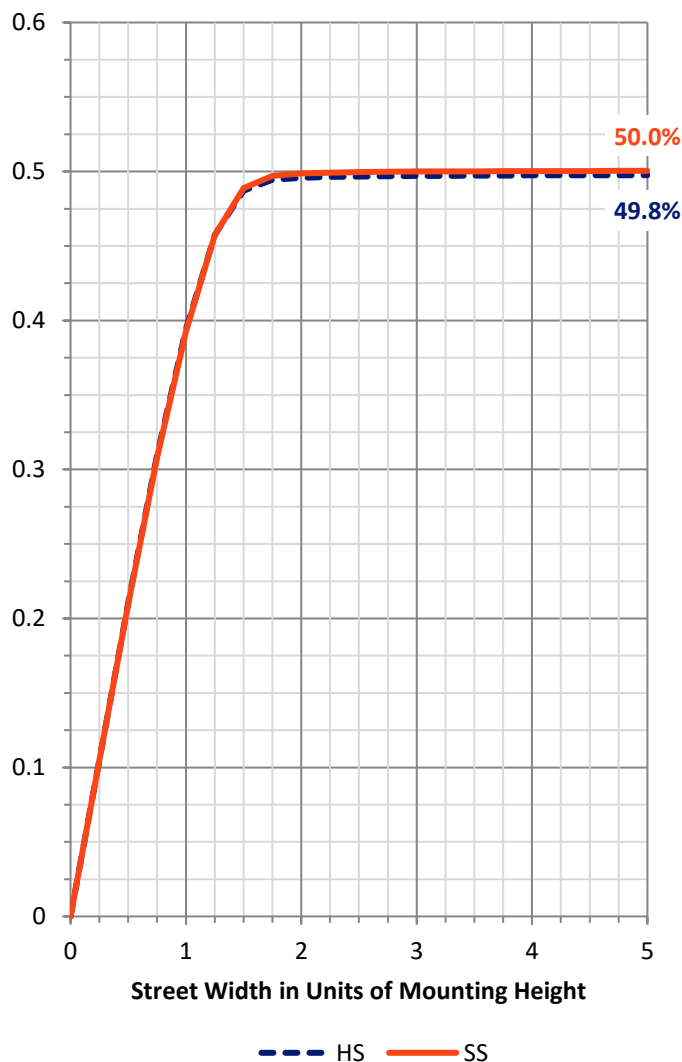
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9314.5	0.0	9314.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9314.5	0.0	9314.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18629.0	0.0	18629.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.0	1.6
10°-20°	968.2	5.2
20°-30°	1897.6	10.2
30°-40°	3412.2	18.3
40°-50°	5841.1	31.4
50°-60°	5651.8	30.3
60°-70°	483.8	2.6
70°-80°	57.4	0.3
80°-90°	18.0	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°	18629.0	100.0
0°-180°	18629.0	100.0

Coefficient of Utilization



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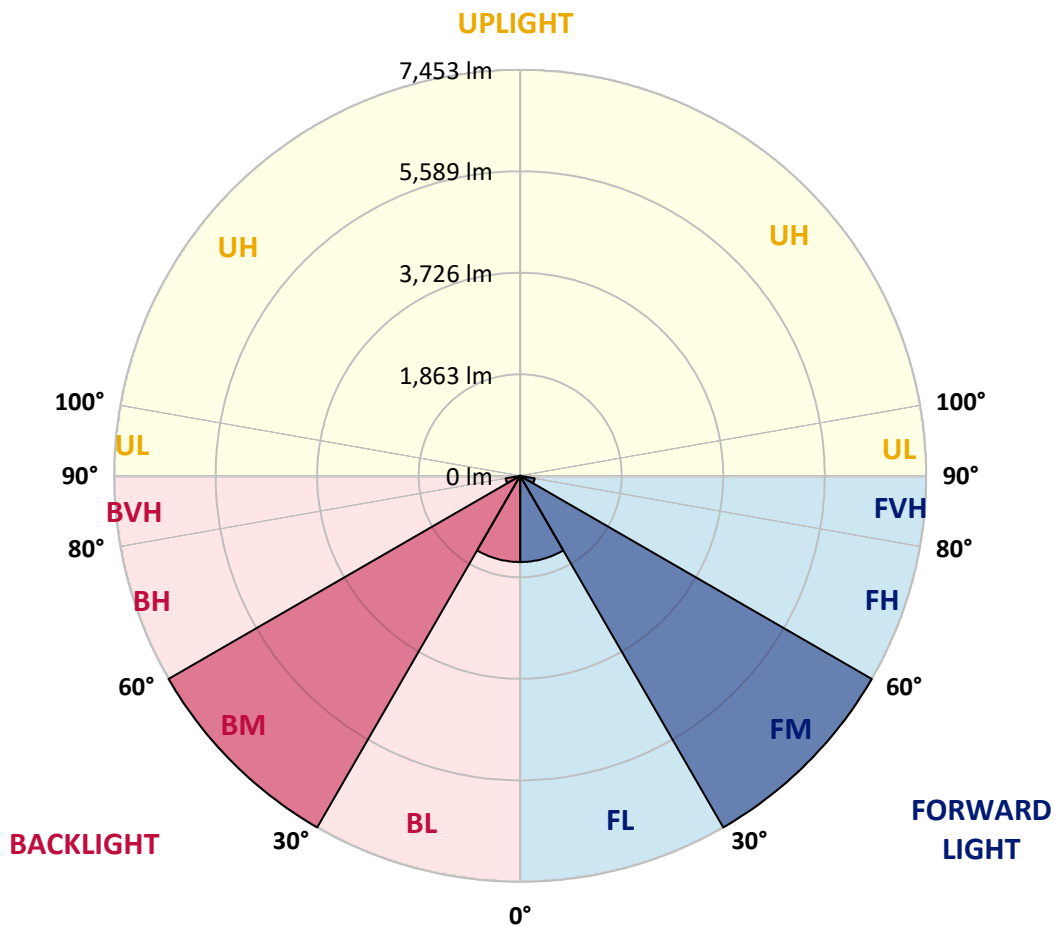
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1582.4	8.5			
FM (30°-60°)	7452.6	40.0			
FH (60°-80°)	270.6	1.5			G0/660
FVH (80°-90°)	9.0	0.0			G0/10
BL (0°-30°)	1582.4	8.5	B3/2500		
BM (30°-60°)	7452.6	40.0	B4/8500		
BH (60°-80°)	270.6	1.5	B1/500		G0/660
BVH (80°-90°)	9.0	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°	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6	3054.6
2.5°	3069.3	3087.0	3075.2	3084.1	3084.1	3069.3	3078.2	3042.8	3066.4	3048.7	3051.6
5°	3116.6	3113.6	3113.6	3116.6	3104.7	3110.6	3098.8	3087.0	3078.2	3066.4	3101.8
7.5°	3175.6	3175.6	3154.9	3160.8	3154.9	3163.8	3140.2	3116.6	3107.7	3098.8	3092.9
10°	3231.7	3225.7	3216.9	3243.5	3222.8	3211.0	3199.2	3184.4	3152.0	3140.2	3128.4
12.5°	3314.3	3311.3	3299.5	3326.1	3314.3	3326.1	3281.8	3243.5	3237.6	3199.2	3219.8
15°	3411.7	3438.2	3417.6	3417.6	3411.7	3396.9	3379.2	3361.5	3308.4	3293.6	3296.6
17.5°	3538.6	3529.7	3532.7	3532.7	3562.2	3523.8	3488.4	3444.1	3417.6	3408.7	3379.2
20°	3659.6	3671.4	3668.4	3689.1	3706.8	3665.5	3627.1	3621.2	3547.4	3559.2	3517.9
22.5°	3872.1	3863.2	3878.0	3892.7	3880.9	3875.0	3839.6	3795.3	3730.4	3700.9	3695.0
25°	4096.4	4081.6	4055.1	4090.5	4108.2	4134.7	4066.9	4043.3	3942.9	3898.6	3901.6
27.5°	4288.2	4308.9	4338.4	4353.1	4397.4	4388.6	4341.3	4264.6	4187.9	4137.7	4105.2
30°	4550.9	4562.7	4612.9	4633.5	4710.2	4730.9	4657.1	4568.6	4432.8	4367.9	4329.5
32.5°	4792.9	4875.5	4872.6	4975.9	5099.8	5185.4	5052.6	4916.8	4781.1	4704.3	4636.5
35°	5185.4	5170.6	5256.2	5365.4	5566.1	5663.5	5518.9	5362.5	5155.9	5031.9	4978.8
37.5°	5551.4	5557.3	5672.4	5846.5	6076.7	6227.2	6100.3	5843.5	5631.0	5471.7	5397.9
40°	6082.6	6094.4	6212.4	6410.2	6669.9	6832.2	6684.7	6424.9	6141.6	6017.7	6017.7
42.5°	6705.3	6755.5	6832.2	7003.4	7236.5	7416.6	7283.8	7080.1	6793.8	6634.5	6658.1
45°	7345.7	7369.3	7419.5	7673.3	7782.5	7871.1	7747.1	7652.7	7460.8	7266.1	7233.6
47.5°	7944.8	7953.7	8101.3	8181.0	8266.5	8192.8	8272.4	8148.5	7933.0	7744.2	7705.8
50°	8210.5	8195.7	8405.2	8647.3	8712.2	8582.3	8514.4	8431.8	8104.2	7877.0	7776.6
52.5°	7437.2	7522.8	7912.4	8585.3	9092.9	9202.1	8806.6	8425.9	7815.0	7372.3	7304.4
54°	6551.8	6631.5	6953.2	7950.8	9007.3	9376.2	8738.7	7930.1	7068.3	6543.0	6475.1
55°	5675.3	5586.8	6171.1	7189.3	8605.9	9222.8	8470.2	7289.7	6303.9	5822.9	5728.4
57.5°	3072.3	3087.0	3579.9	4542.0	6047.2	7071.3	6244.9	4931.6	3724.5	3184.4	3137.2
60°	973.9	997.5	1213.0	1835.7	2889.3	3450.0	2957.2	1980.3	1369.4	1097.9	1053.6
62.5°	304.0	315.8	345.3	513.5	790.9	1130.3	885.4	531.2	395.5	363.0	368.9
65°	185.9	185.9	188.9	200.7	236.1	274.5	265.6	233.2	224.3	218.4	215.4
67.5°	121.0	118.1	124.0	132.8	138.7	141.7	150.5	159.4	156.4	150.5	150.5
70°	73.8	70.8	76.7	88.5	91.5	97.4	106.2	118.1	115.1	109.2	112.1
72.5°	41.3	41.3	44.3	53.1	62.0	67.9	76.7	85.6	88.5	85.6	85.6
75°	14.8	17.7	23.6	32.5	38.4	47.2	56.1	64.9	73.8	67.9	64.9
77.5°	5.9	5.9	11.8	20.7	29.5	38.4	53.1	62.0	67.9	62.0	56.1
80°	3.0	3.0	8.9	17.7	26.6	35.4	44.3	53.1	56.1	50.2	44.3
82.5°	3.0	3.0	8.9	17.7	26.6	32.5	47.2	53.1	59.0	53.1	44.3
85°	0.0	3.0	8.9	17.7	23.6	26.6	26.6	17.7	14.8	8.9	8.9
87.5°	0.0	0.0	3.0	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)