

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: P531037

Luminaire Tested: **GALN-SA6B-740-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21806 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

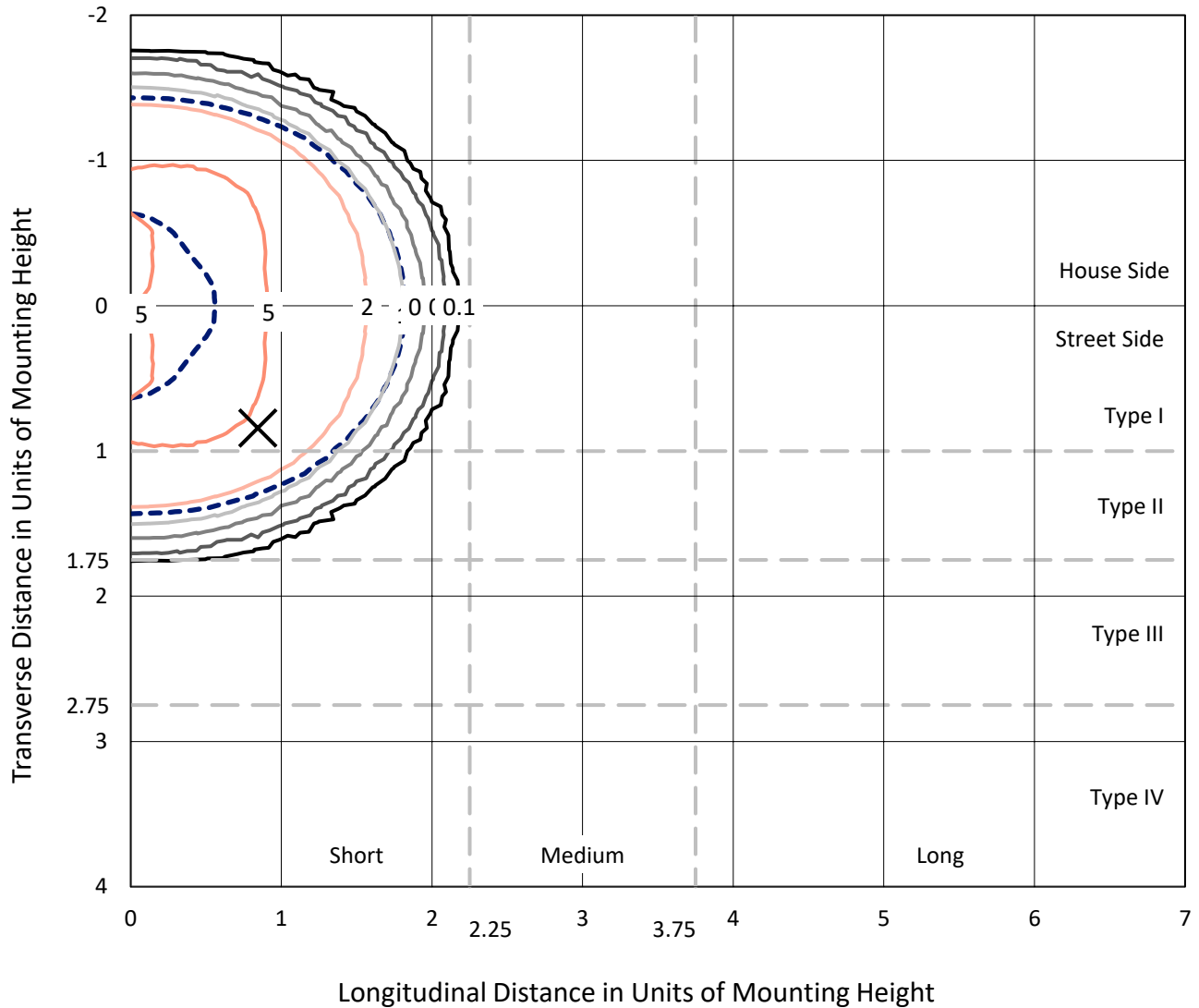
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

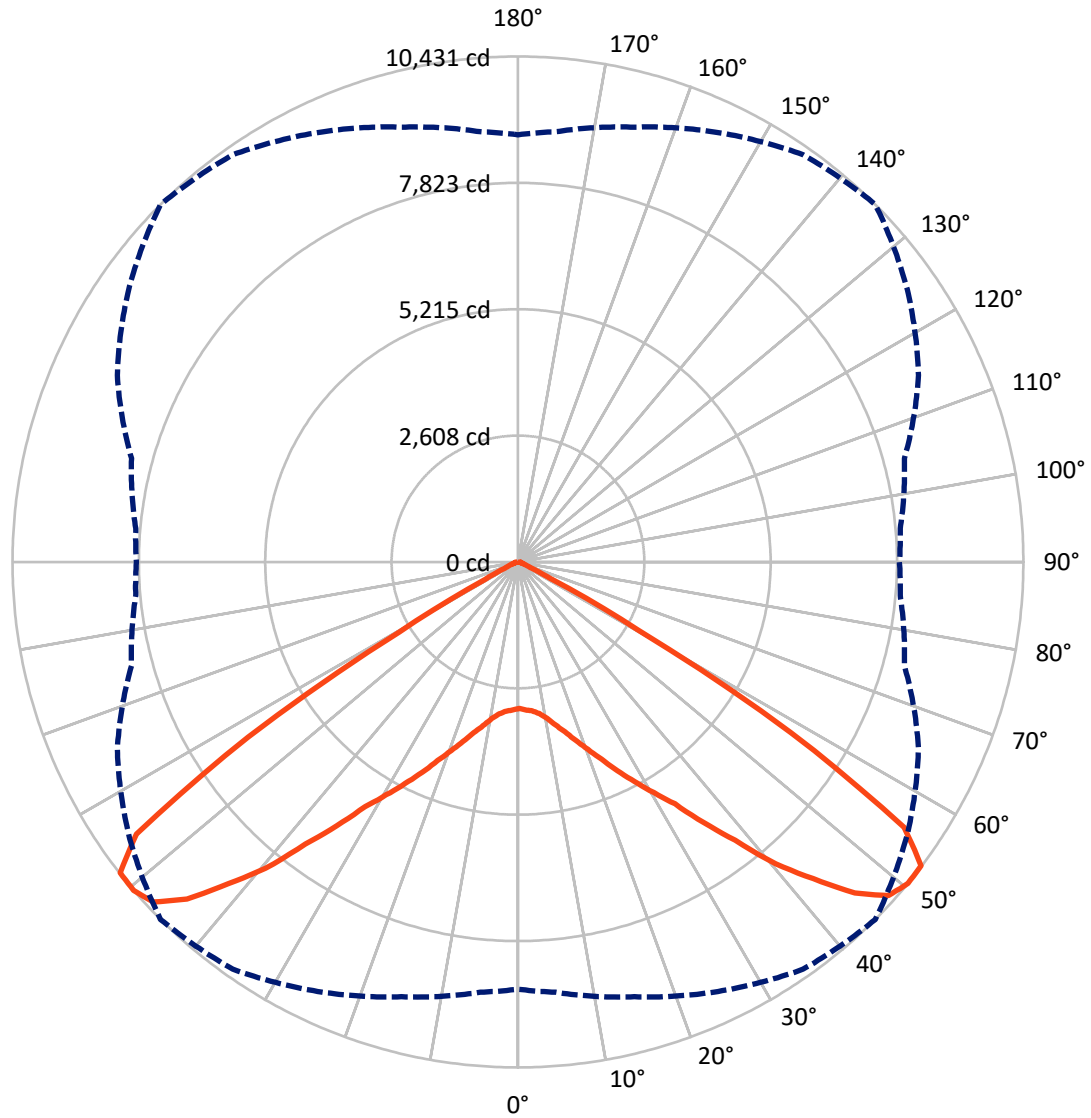
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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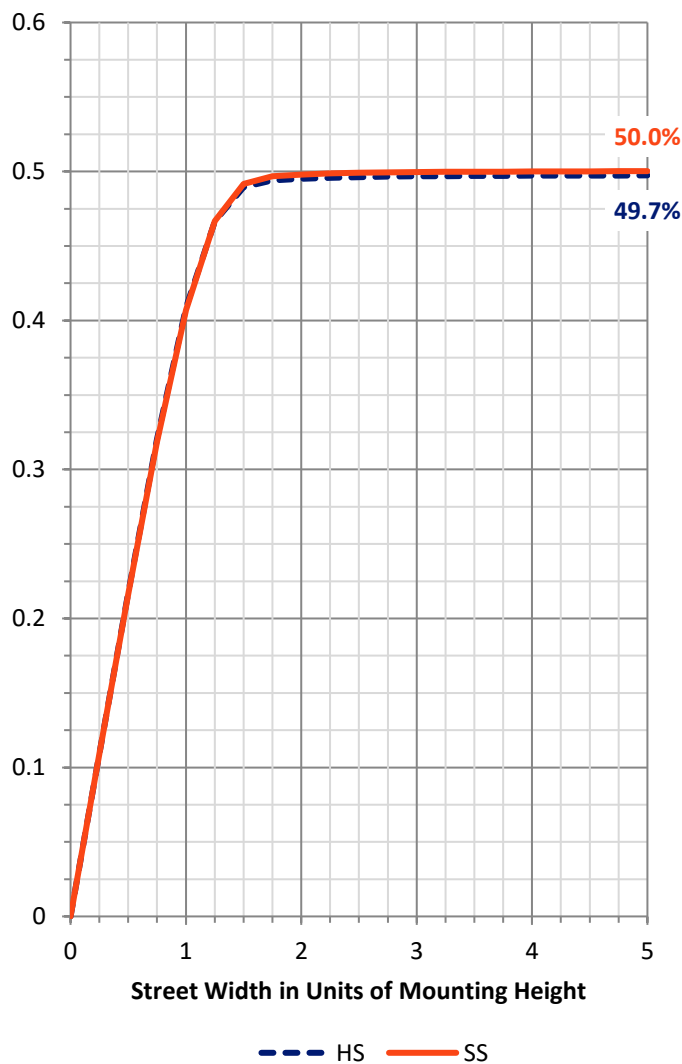
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10903.0	0.0	10903.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10903.0	0.0	10903.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21806.0	0.0	21806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.8	1.4
10°-20°	1036.6	4.8
20°-30°	2117.1	9.7
30°-40°	4037.3	18.5
40°-50°	6803.5	31.2
50°-60°	6488.4	29.8
60°-70°	905.7	4.2
70°-80°	86.6	0.4
80°-90°	29.9	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°	21806.0	100.0
0°-180°	21806.0	100.0

Coefficient of Utilization



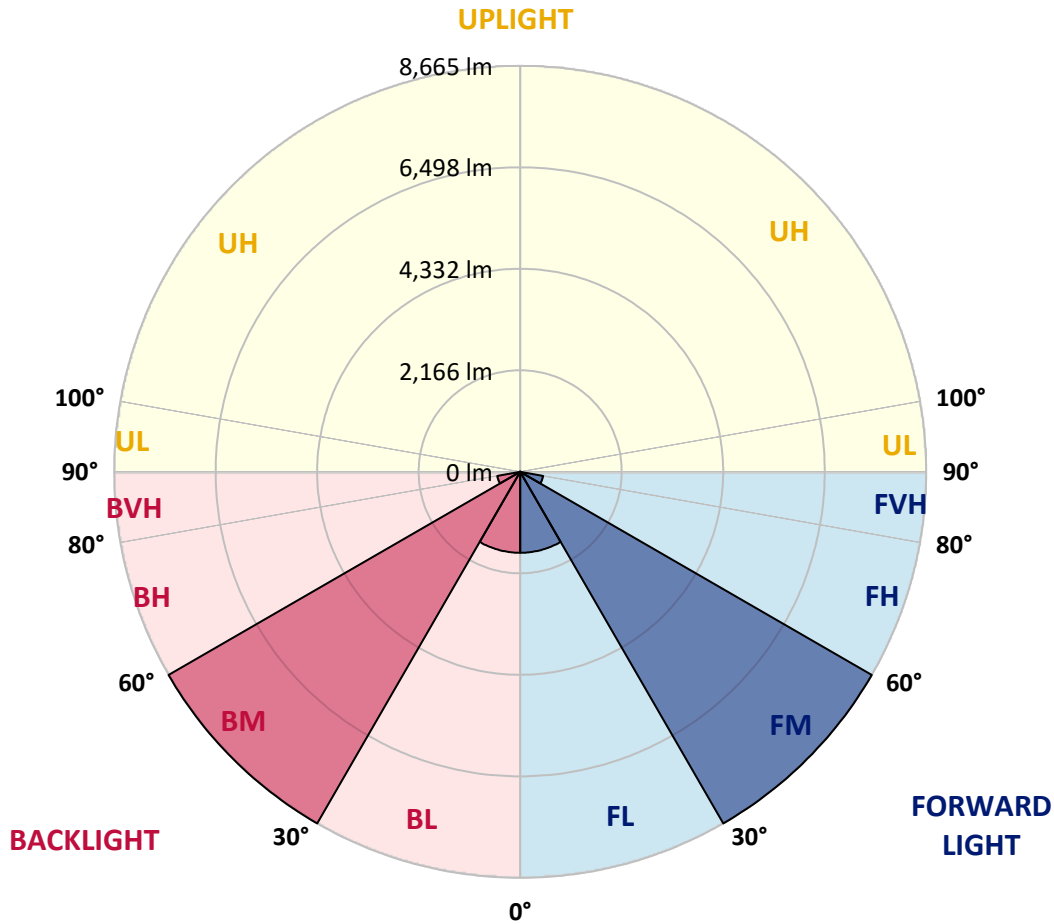
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1727.2	7.9			
FM (30°-60°)	8664.6	39.7			
FH (60°-80°)	496.2	2.3			G0/660
FVH (80°-90°)	15.0	0.1			G1/100
BL (0°-30°)	1727.2	7.9	B3/2500		
BM (30°-60°)	8664.6	39.7	B5		
BH (60°-80°)	496.2	2.3	B1/500		G0/660
BVH (80°-90°)	15.0	0.1			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°	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2	3023.2
2.5°	3012.2	3012.2	3008.5	3037.8	3023.2	3056.2	3052.5	3063.5	3074.5	3070.9	3100.2
5°	2986.5	2982.8	2982.8	3015.8	3048.8	3085.5	3118.6	3140.6	3177.3	3177.3	3213.9
7.5°	3012.2	2993.8	3019.5	3034.2	3096.5	3158.9	3213.9	3258.0	3342.4	3371.7	3360.7
10°	3019.5	3041.5	3059.9	3103.9	3180.9	3276.3	3324.0	3434.1	3529.5	3595.5	3610.2
12.5°	3067.2	3100.2	3151.6	3258.0	3327.7	3452.4	3518.5	3624.9	3756.9	3830.3	3881.7
15°	3158.9	3169.9	3236.0	3371.7	3522.1	3635.9	3738.6	3815.6	3944.1	4028.4	4032.1
17.5°	3276.3	3324.0	3415.7	3544.1	3701.9	3870.7	3951.4	4035.8	4083.5	4197.2	4222.9
20°	3511.1	3518.5	3606.5	3775.3	3973.4	4127.5	4186.2	4230.2	4211.9	4329.3	4351.3
22.5°	3731.3	3738.6	3848.7	4076.1	4288.9	4421.0	4446.7	4421.0	4366.0	4450.4	4457.7
25°	3955.1	4021.1	4101.8	4329.3	4593.4	4769.6	4773.2	4703.5	4589.8	4604.5	4641.1
27.5°	4303.6	4351.3	4435.7	4644.8	4934.7	5132.8	5099.8	5015.4	4868.6	4879.6	4868.6
30°	4710.8	4754.9	4824.6	5092.4	5305.2	5521.7	5569.4	5488.7	5268.5	5220.8	5275.9
32.5°	5202.5	5264.9	5393.3	5639.1	5818.9	5950.9	5984.0	5954.6	5749.1	5730.8	5767.5
35°	5800.5	5884.9	6002.3	6218.8	6365.5	6604.0	6604.0	6504.9	6317.8	6339.8	6336.2
37.5°	6431.6	6556.3	6739.7	6959.9	7158.0	7286.4	7246.0	7161.7	6974.6	6926.9	6974.6
40°	7224.0	7286.4	7517.5	7803.7	8045.9	8192.6	8020.2	7836.7	7389.1	7458.8	7587.3
42.5°	7946.8	8045.9	8222.0	8537.5	8812.7	8933.7	8728.3	8365.1	7825.7	7770.7	7866.1
45°	8563.2	8669.6	8900.7	9352.0	9641.8	9748.2	9293.3	8706.3	8089.9	7950.5	7990.8
47.5°	8974.1	9029.1	9352.0	9781.2	10045.4	10287.6	9634.5	8941.1	8214.6	7950.5	7935.8
50°	8816.3	8911.7	9289.6	9777.6	10258.2	10430.6	9806.9	9120.9	8255.0	7917.5	7873.4
52.5°	7829.4	7994.5	8416.4	9073.2	9799.6	10416.0	10045.4	9062.1	8240.3	7950.5	8016.5
55°	5448.3	5452.0	5965.6	6934.2	8218.3	9671.2	9696.9	9128.2	8335.7	8155.9	8159.6
57.5°	2190.3	2300.4	2693.0	3665.2	4850.3	6640.7	7895.4	8467.8	8346.7	8302.7	8416.4
60°	554.0	557.7	678.7	1034.6	1706.0	2847.1	4134.8	5595.1	6442.6	6732.4	6772.8
62.5°	282.5	286.2	315.5	366.9	465.9	763.1	1357.5	2153.6	3063.5	3525.8	3646.9
65°	231.1	231.1	249.5	275.2	278.8	293.5	352.2	502.6	730.1	829.2	840.2
67.5°	176.1	176.1	190.8	205.5	212.8	209.1	201.8	209.1	253.2	242.1	234.8
70°	110.1	113.7	121.1	135.7	143.1	146.8	150.4	157.8	179.8	187.1	179.8
72.5°	66.0	66.0	69.7	80.7	91.7	99.1	110.1	117.4	128.4	146.8	143.1
75°	29.4	29.4	36.7	47.7	58.7	69.7	80.7	91.7	99.1	110.1	113.7
77.5°	7.3	11.0	18.3	33.0	44.0	58.7	73.4	84.4	91.7	91.7	88.1
80°	3.7	3.7	14.7	25.7	47.7	62.4	80.7	88.1	99.1	91.7	80.7
82.5°	3.7	3.7	14.7	25.7	44.0	62.4	84.4	95.4	102.7	91.7	77.0
85°	0.0	3.7	11.0	22.0	36.7	44.0	36.7	25.7	14.7	14.7	11.0
87.5°	0.0	0.0	3.7	3.7	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)