

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: P652436

Luminaire Tested: **GALN-SA6B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652436
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-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 18338.9 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

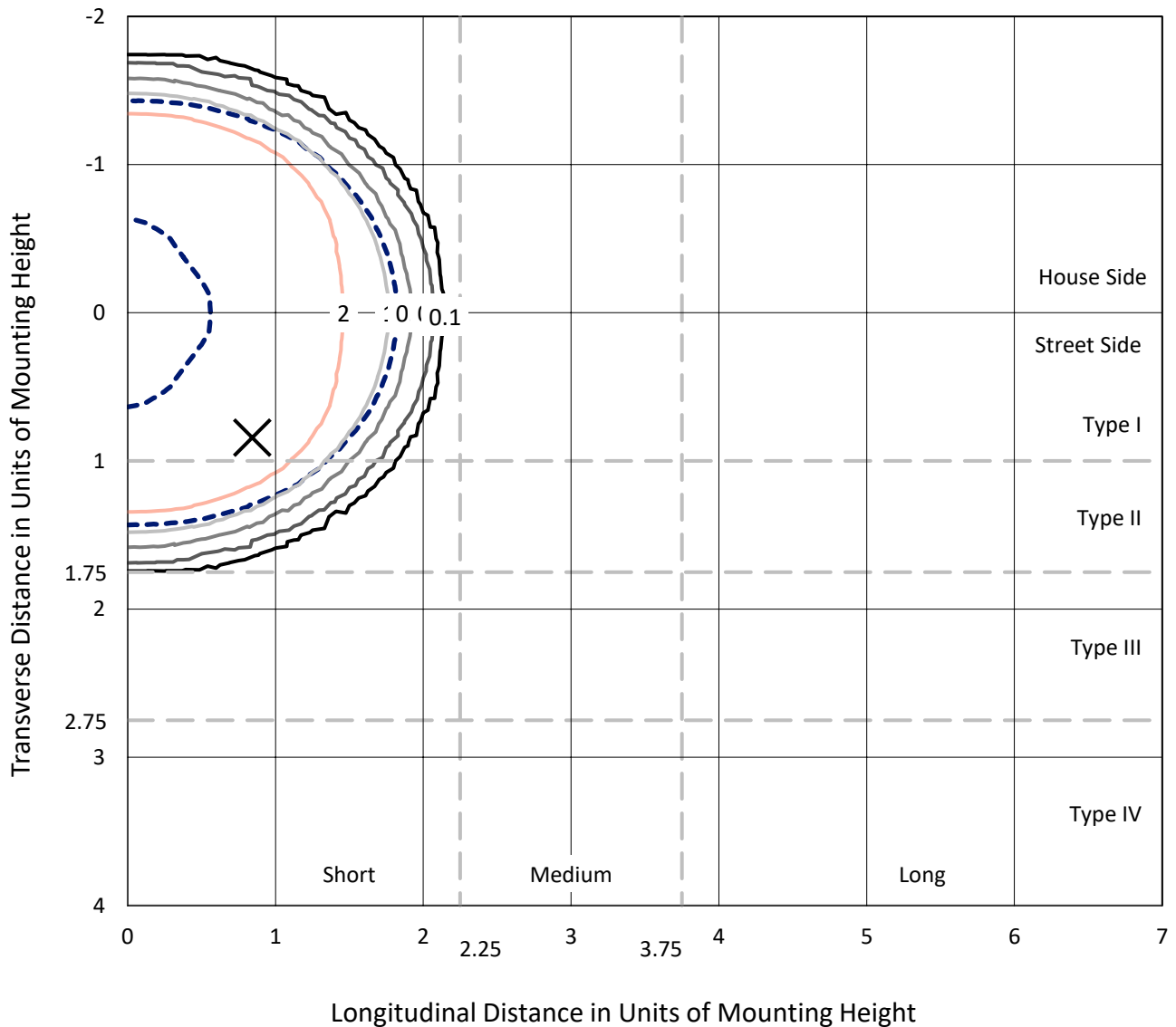
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

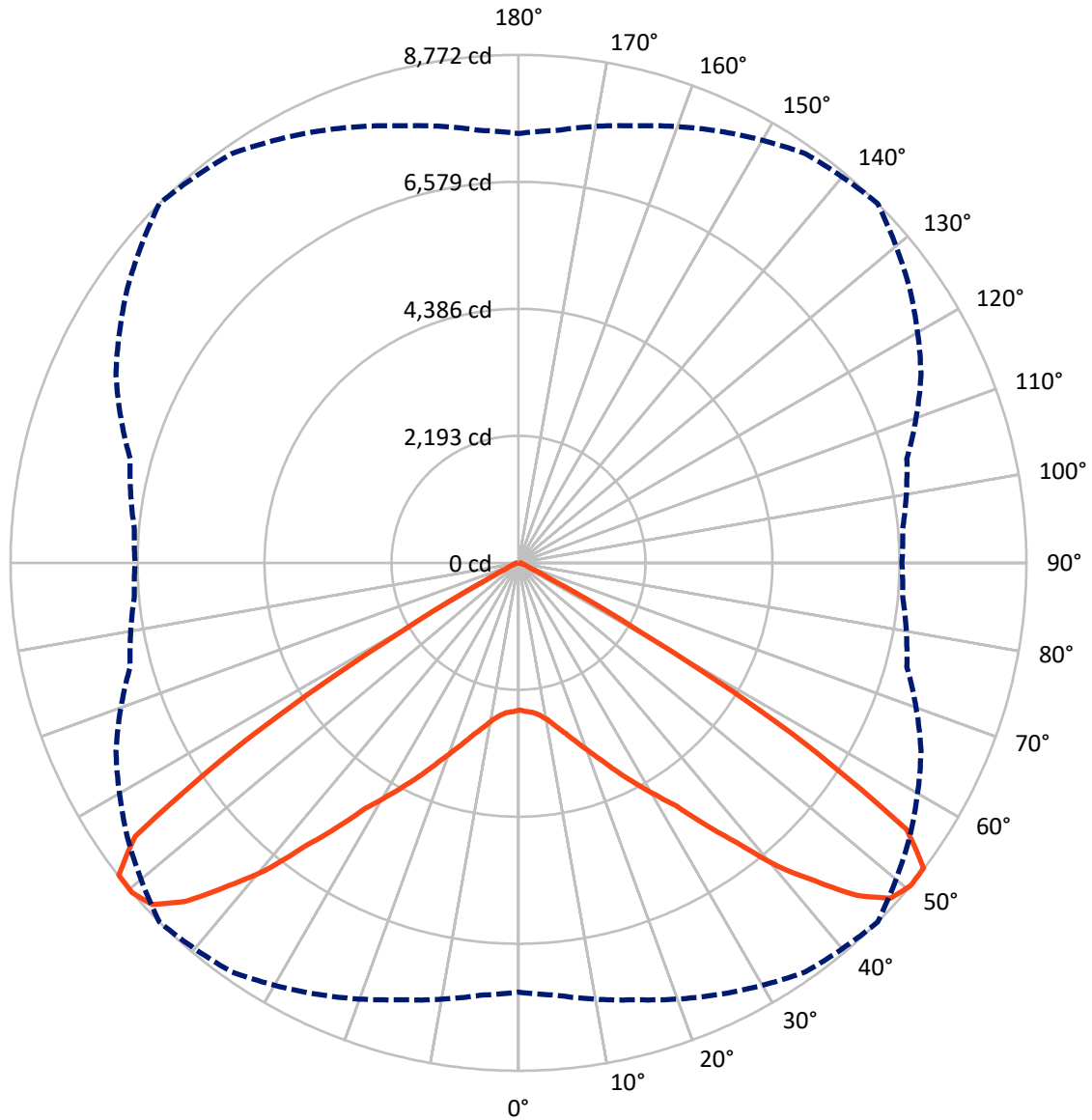
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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 50-Deg Vertical

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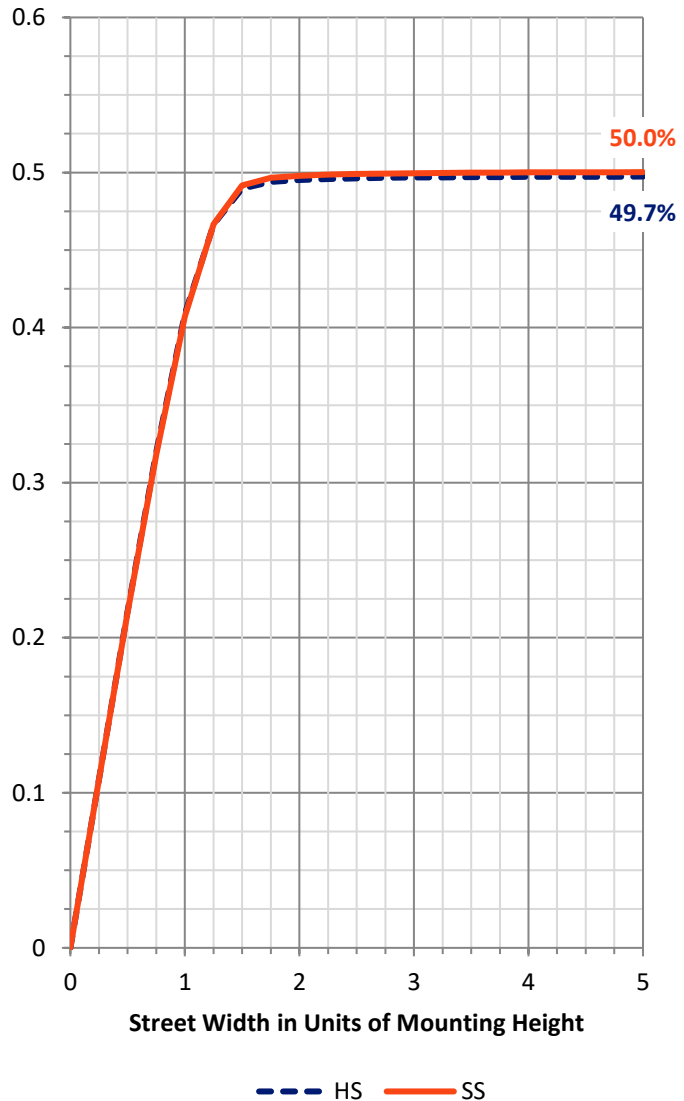
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9169.4	0.0	9169.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9169.4	0.0	9169.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18338.9	0.0	18338.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	1.4
10°-20°	871.8	4.8
20°-30°	1780.5	9.7
30°-40°	3395.4	18.5
40°-50°	5721.8	31.2
50°-60°	5456.7	29.8
60°-70°	761.7	4.2
70°-80°	72.8	0.4
80°-90°	25.2	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°	18338.9	100.0
0°-180°	18338.9	100.0

Coefficient of Utilization



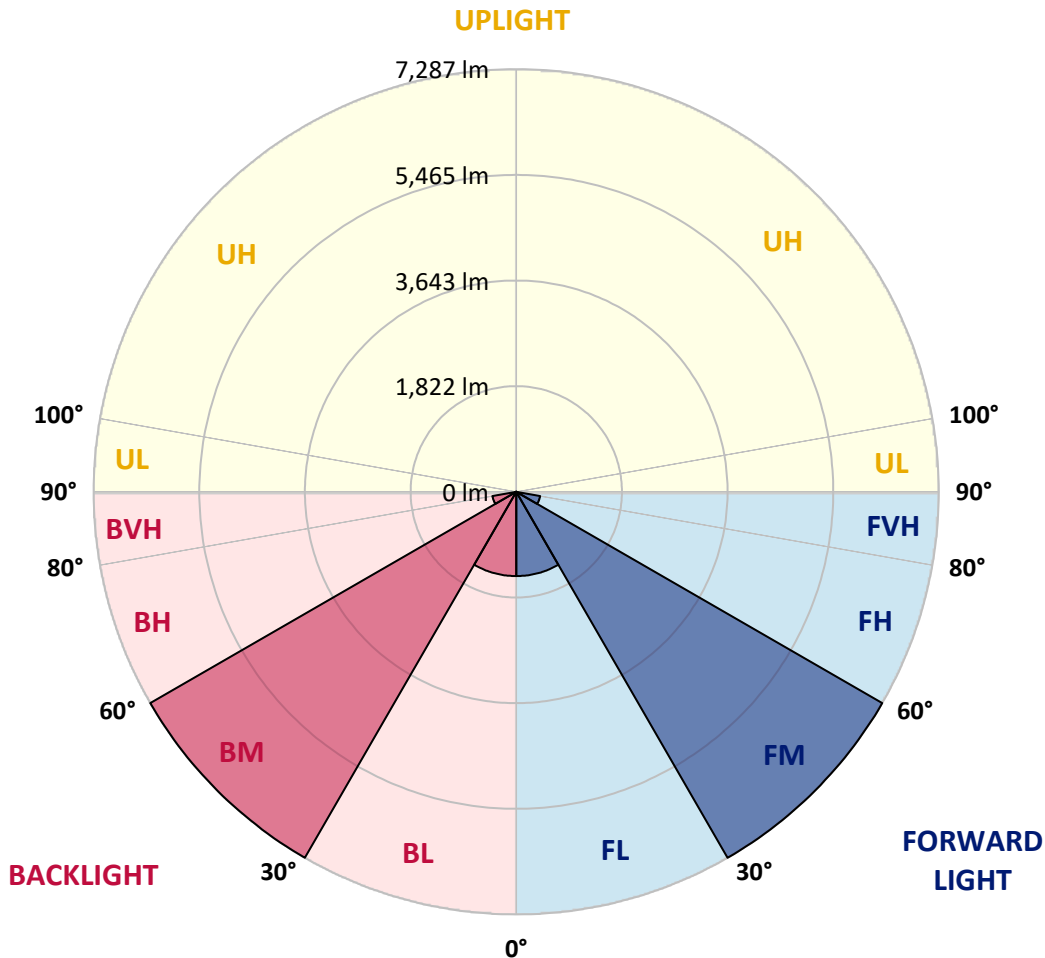
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.6	7.9			
FM (30°-60°)	7286.9	39.7			
FH (60°-80°)	417.3	2.3			G0/660
FVH (80°-90°)	12.6	0.1			G1/100
BL (0°-30°)	1452.6	7.9	B3/2500		
BM (30°-60°)	7286.9	39.7	B4/8500		
BH (60°-80°)	417.3	2.3	B1/500		G0/660
BVH (80°-90°)	12.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5	2542.5
2.5°	2533.3	2533.3	2530.1	2554.8	2542.5	2570.3	2567.2	2576.4	2585.7	2582.6	2607.3
5°	2511.6	2508.5	2508.5	2536.3	2564.0	2594.9	2622.7	2641.2	2672.1	2672.1	2702.9
7.5°	2533.3	2517.8	2539.4	2551.8	2604.2	2656.6	2702.9	2740.0	2811.0	2835.6	2826.3
10°	2539.4	2557.9	2573.4	2610.4	2675.1	2755.4	2795.5	2888.1	2968.3	3023.8	3036.2
12.5°	2579.5	2607.3	2650.5	2740.0	2798.6	2903.5	2959.1	3048.5	3159.6	3221.3	3264.5
15°	2656.6	2665.9	2721.5	2835.6	2962.1	3057.8	3144.2	3208.9	3317.0	3387.9	3391.0
17.5°	2755.4	2795.5	2872.6	2980.6	3113.3	3255.3	3323.1	3394.1	3434.2	3529.8	3551.5
20°	2952.8	2959.1	3033.1	3175.0	3341.6	3471.2	3520.6	3557.6	3542.2	3640.9	3659.4
22.5°	3138.0	3144.2	3236.8	3428.0	3607.0	3718.1	3739.7	3718.1	3671.8	3742.8	3748.9
25°	3326.2	3381.7	3449.6	3640.9	3863.0	4011.2	4014.3	3955.6	3860.0	3872.4	3903.2
27.5°	3619.3	3659.4	3730.4	3906.3	4150.1	4316.7	4288.9	4218.0	4094.5	4103.7	4094.5
30°	3961.8	3998.9	4057.5	4282.7	4461.7	4643.7	4683.9	4616.0	4430.8	4390.7	4437.0
32.5°	4375.3	4427.8	4535.8	4742.5	4893.7	5004.7	5032.5	5007.8	4835.0	4819.6	4850.5
35°	4878.2	4949.2	5047.9	5230.0	5353.4	5554.0	5554.0	5470.6	5313.3	5331.8	5328.7
37.5°	5409.0	5513.8	5668.1	5853.3	6019.9	6127.9	6093.9	6023.0	5865.6	5825.5	5865.6
40°	6075.4	6127.9	6322.2	6562.9	6766.6	6890.0	6745.0	6590.7	6214.2	6272.9	6380.9
42.5°	6683.3	6766.6	6914.7	7180.0	7411.5	7513.2	7340.5	7035.0	6581.4	6535.2	6615.4
45°	7201.7	7291.1	7485.5	7865.0	8108.8	8198.2	7815.7	7322.0	6803.6	6686.4	6720.3
47.5°	7547.2	7593.5	7865.0	8226.0	8448.2	8651.9	8102.6	7519.5	6908.5	6686.4	6674.0
50°	7414.5	7494.7	7812.6	8223.0	8627.1	8772.1	8247.6	7670.7	6942.5	6658.6	6621.5
52.5°	6584.5	6723.4	7078.2	7630.6	8241.5	8759.9	8448.2	7621.2	6930.1	6686.4	6741.9
55°	4582.0	4585.1	5017.1	5831.7	6911.6	8133.5	8155.1	7676.8	7010.3	6859.1	6862.2
57.5°	1842.0	1934.6	2264.8	3082.4	4079.1	5584.8	6640.0	7121.4	7019.6	6982.6	7078.2
60°	465.9	469.0	570.8	870.1	1434.7	2394.4	3477.4	4705.5	5418.2	5661.9	5695.9
62.5°	237.6	240.7	265.3	308.6	391.8	641.8	1141.7	1811.2	2576.4	2965.2	3067.0
65°	194.4	194.4	209.8	231.4	234.5	246.8	296.2	422.7	614.0	697.4	706.6
67.5°	148.1	148.1	160.5	172.8	179.0	175.9	169.7	175.9	212.9	203.6	197.5
70°	92.6	95.6	101.8	114.1	120.3	123.5	126.5	132.7	151.2	157.4	151.2
72.5°	55.5	55.5	58.6	67.9	77.1	83.3	92.6	98.7	108.0	123.5	120.3
75°	24.7	24.7	30.9	40.1	49.4	58.6	67.9	77.1	83.3	92.6	95.6
77.5°	6.1	9.3	15.4	27.8	37.0	49.4	61.7	71.0	77.1	77.1	74.1
80°	3.1	3.1	12.4	21.6	40.1	52.5	67.9	74.1	83.3	77.1	67.9
82.5°	3.1	3.1	12.4	21.6	37.0	52.5	71.0	80.2	86.4	77.1	64.8
85°	0.0	3.1	9.3	18.5	30.9	37.0	30.9	21.6	12.4	12.4	9.3
87.5°	0.0	0.0	3.1	3.1	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)