

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: P652426

Luminaire Tested: **GALN-SA6B-840-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652426
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-840-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 19494.4 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

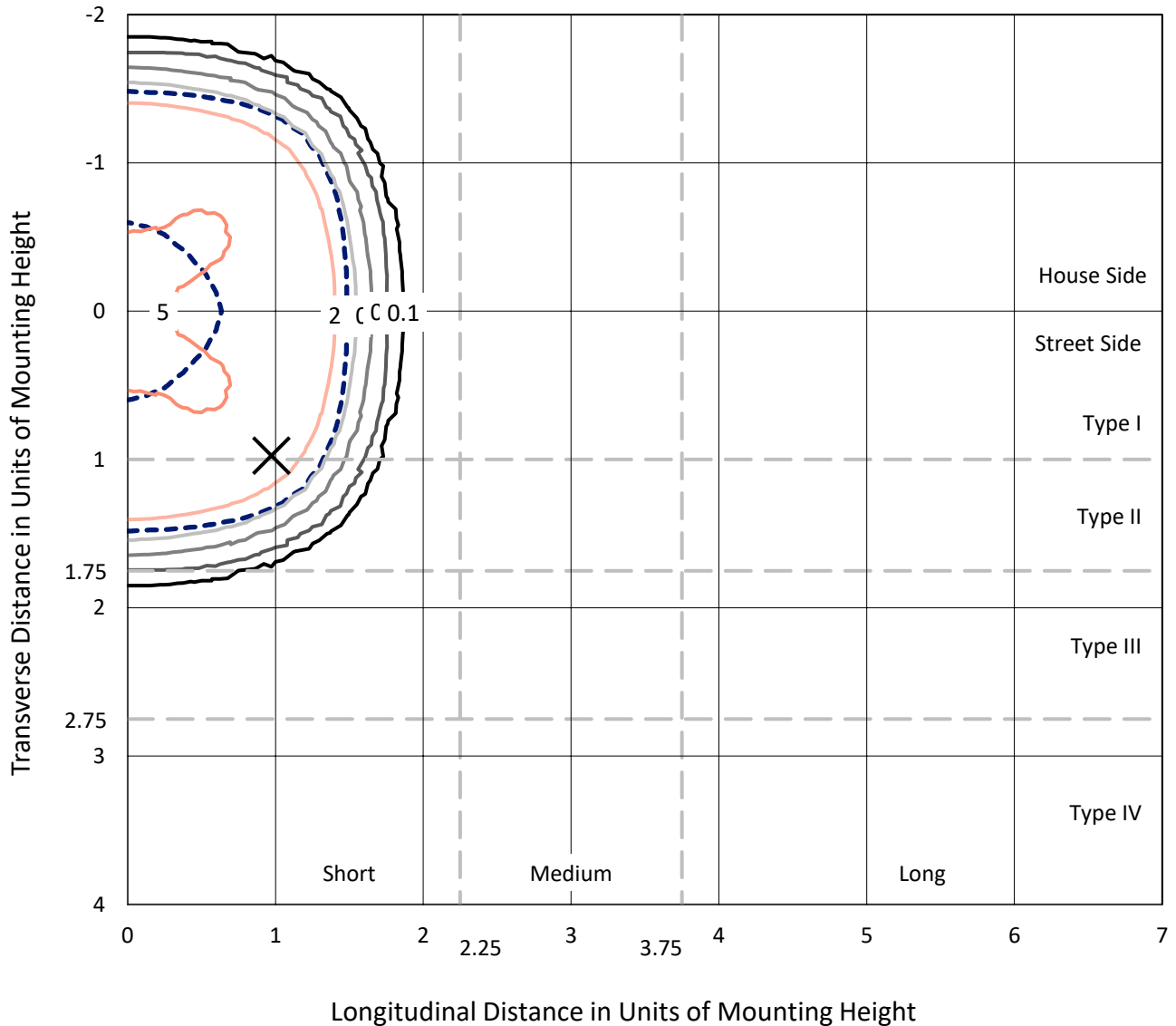
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

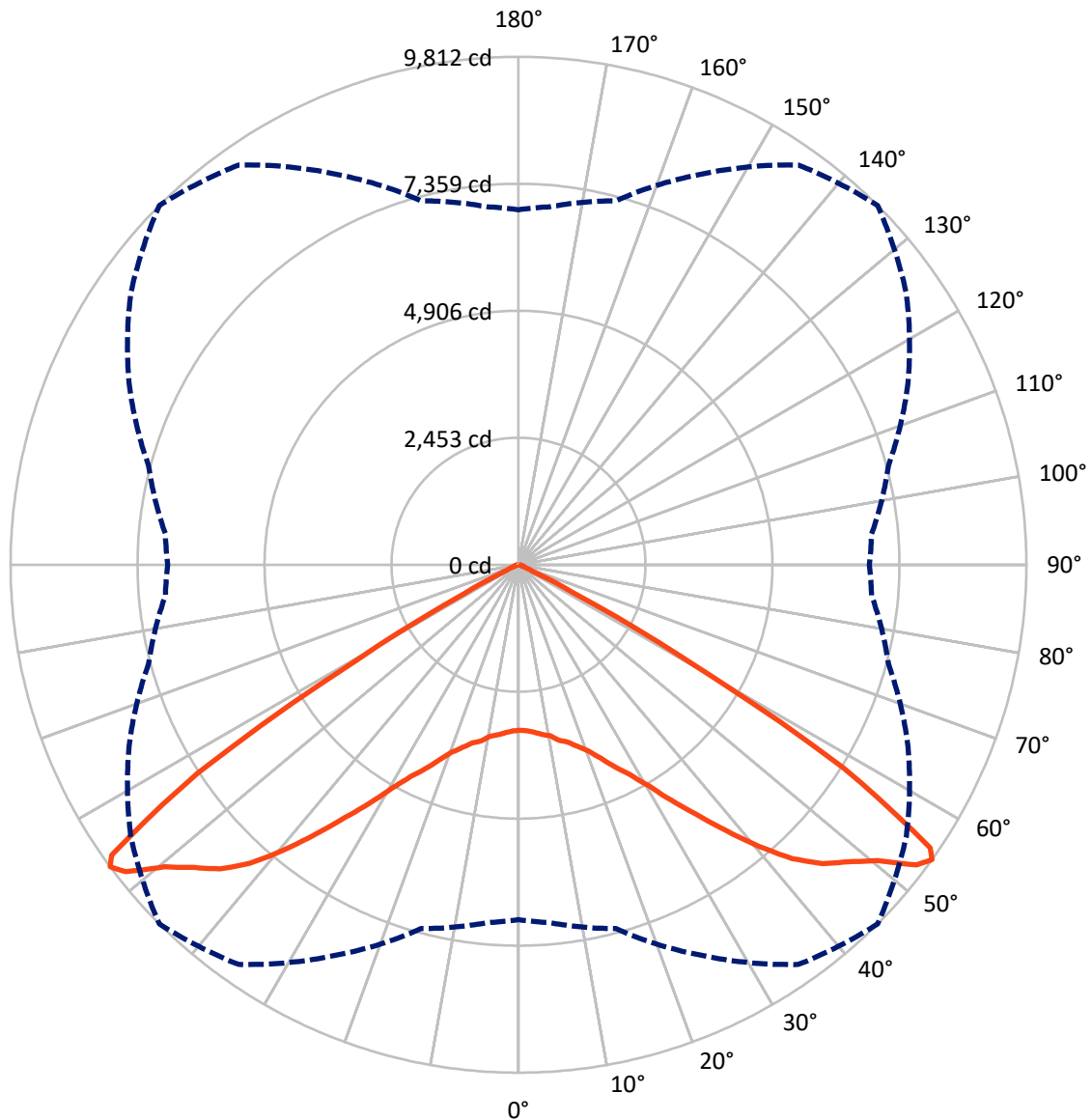
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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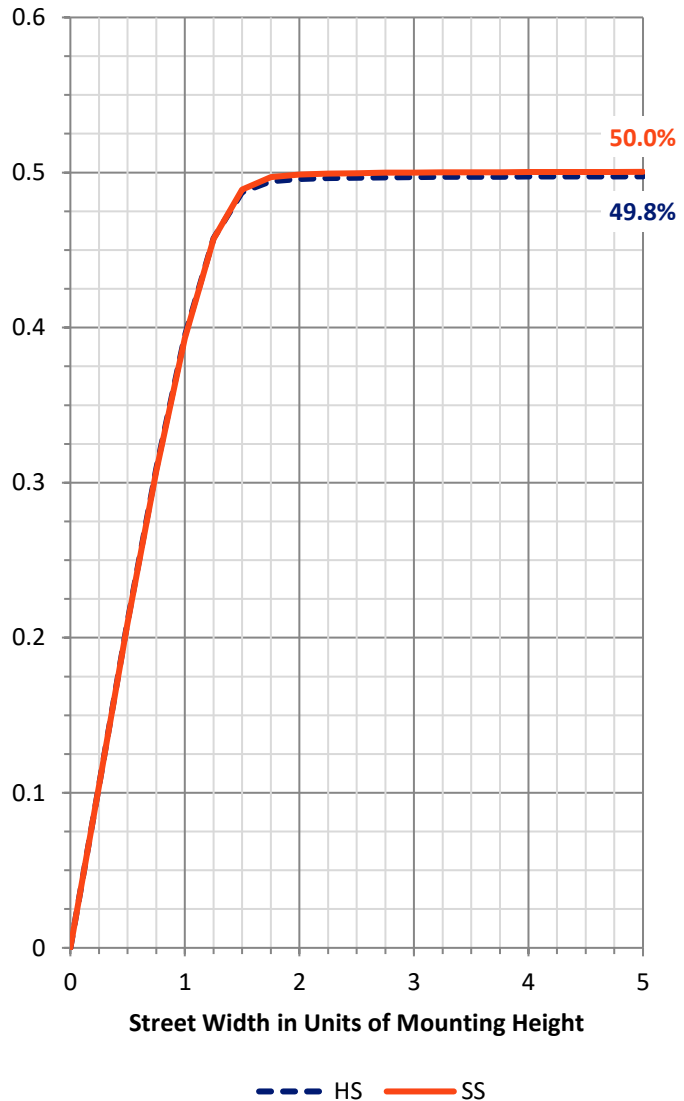
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9747.2	0.0	9747.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9747.2	0.0	9747.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19494.4	0.0	19494.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	1.6
10°-20°	1013.2	5.2
20°-30°	1985.7	10.2
30°-40°	3570.7	18.3
40°-50°	6112.4	31.4
50°-60°	5914.4	30.3
60°-70°	506.3	2.6
70°-80°	60.0	0.3
80°-90°	18.8	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°	19494.4	100.0
0°-180°	19494.4	100.0

Coefficient of Utilization

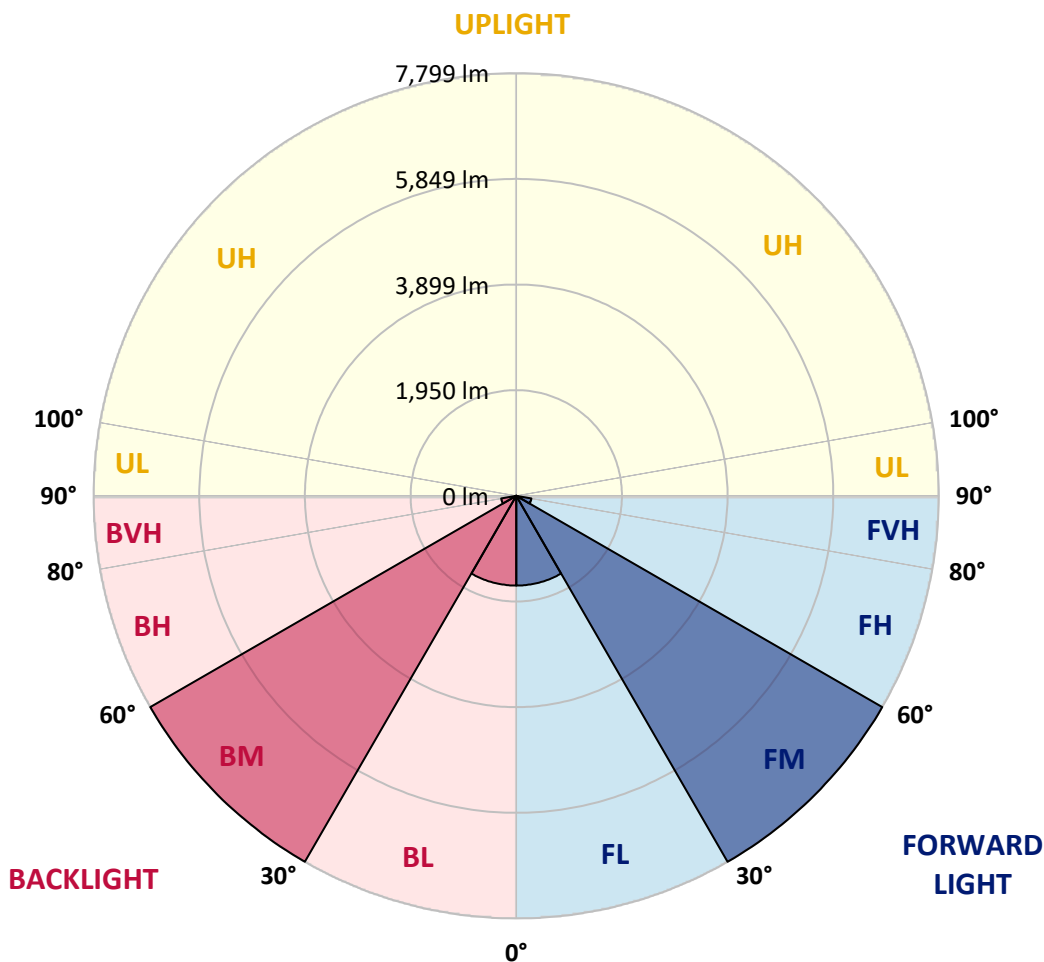


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1655.9	8.5			
FM (30°-60°)	7798.8	40.0			
FH (60°-80°)	283.2	1.5			G0/660
FVH (80°-90°)	9.4	0.0			G0/10
BL (0°-30°)	1655.9	8.5	B3/2500		
BM (30°-60°)	7798.8	40.0	B4/8500		
BH (60°-80°)	283.2	1.5	B1/500		G0/660
BVH (80°-90°)	9.4	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°	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5	3196.5
2.5°	3211.9	3230.4	3218.1	3227.3	3227.3	3211.9	3221.2	3184.1	3208.8	3190.3	3193.4
5°	3261.3	3258.2	3258.2	3261.3	3249.0	3255.2	3242.8	3230.4	3221.2	3208.8	3245.9
7.5°	3323.1	3323.1	3301.5	3307.7	3301.5	3310.8	3286.0	3261.3	3252.1	3242.8	3236.6
10°	3381.7	3375.6	3366.4	3394.1	3372.5	3360.1	3347.8	3332.4	3298.4	3286.0	3273.7
12.5°	3468.3	3465.2	3452.8	3480.6	3468.3	3480.6	3434.3	3394.1	3388.0	3347.8	3369.4
15°	3570.1	3598.0	3576.4	3576.4	3570.1	3554.7	3536.2	3517.7	3462.1	3446.7	3449.7
17.5°	3702.9	3693.7	3696.8	3696.8	3727.6	3687.5	3650.4	3604.1	3576.4	3567.1	3536.2
20°	3829.6	3841.9	3838.8	3860.4	3879.0	3835.8	3795.6	3789.5	3712.3	3724.6	3681.3
22.5°	4051.9	4042.7	4058.2	4073.6	4061.2	4055.0	4018.0	3971.6	3903.7	3872.8	3866.7
25°	4286.7	4271.2	4243.4	4280.5	4299.0	4326.8	4255.8	4231.1	4126.1	4079.8	4082.8
27.5°	4487.4	4509.0	4539.9	4555.4	4601.7	4592.4	4543.0	4462.7	4382.4	4329.9	4295.9
30°	4762.2	4774.6	4827.2	4848.8	4929.0	4950.6	4873.4	4780.8	4638.7	4570.8	4530.6
32.5°	5015.6	5102.0	5098.9	5207.0	5336.7	5426.3	5287.3	5145.2	5003.2	4922.9	4851.8
35°	5426.3	5410.8	5500.4	5614.7	5824.7	5926.6	5775.2	5611.6	5395.4	5265.7	5210.1
37.5°	5809.2	5815.4	5935.9	6118.1	6359.0	6516.5	6383.7	6115.0	5892.6	5725.9	5648.7
40°	6365.1	6377.5	6501.0	6708.0	6979.7	7149.6	6995.2	6723.4	6426.9	6297.2	6297.2
42.5°	7016.8	7069.3	7149.6	7328.7	7572.7	7761.1	7622.2	7409.0	7109.5	6942.7	6967.3
45°	7687.0	7711.7	7764.2	8029.8	8144.1	8236.7	8107.0	8008.2	7807.4	7603.6	7569.6
47.5°	8313.9	8323.2	8477.6	8561.0	8650.5	8573.3	8656.7	8527.0	8301.6	8103.9	8063.8
50°	8591.9	8576.4	8795.7	9048.9	9116.9	8981.0	8910.0	8823.5	8480.6	8242.9	8137.9
52.5°	7782.7	7872.3	8280.0	8984.1	9515.3	9629.5	9215.7	8817.3	8178.1	7714.7	7643.8
54°	6856.2	6939.6	7276.2	8320.1	9425.8	9811.8	9144.7	8298.5	7396.7	6846.9	6775.9
55°	5939.0	5846.3	6457.8	7523.2	9005.7	9651.1	8863.6	7628.3	6596.8	6093.4	5994.6
57.5°	3215.0	3230.4	3746.2	4753.0	6328.1	7399.8	6535.0	5160.7	3897.5	3332.4	3282.9
60°	1019.1	1043.8	1269.3	1921.0	3023.6	3610.3	3094.5	2072.3	1433.0	1148.9	1102.6
62.5°	318.1	330.4	361.4	537.4	827.7	1182.9	926.5	555.9	413.9	379.9	386.0
65°	194.6	194.6	197.6	210.0	247.1	287.2	278.0	244.0	234.7	228.5	225.5
67.5°	126.7	123.5	129.7	139.0	145.2	148.3	157.5	166.8	163.7	157.5	157.5
70°	77.2	74.1	80.3	92.7	95.7	101.9	111.2	123.5	120.4	114.3	117.3
72.5°	43.2	43.2	46.3	55.6	64.8	71.1	80.3	89.6	92.7	89.6	89.6
75°	15.5	18.5	24.7	34.0	40.1	49.5	58.7	68.0	77.2	71.1	68.0
77.5°	6.1	6.1	12.4	21.6	30.9	40.1	55.6	64.8	71.1	64.8	58.7
80°	3.1	3.1	9.3	18.5	27.8	37.1	46.3	55.6	58.7	52.5	46.3
82.5°	3.1	3.1	9.3	18.5	27.8	34.0	49.5	55.6	61.7	55.6	46.3
85°	0.0	3.1	9.3	18.5	24.7	27.8	27.8	18.5	15.5	9.3	9.3
87.5°	0.0	0.0	3.1	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)