

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: P651942

Luminaire Tested: **GALN-SA6A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19983.8 lumens
Efficiency: N/A
Efficacy: 109.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

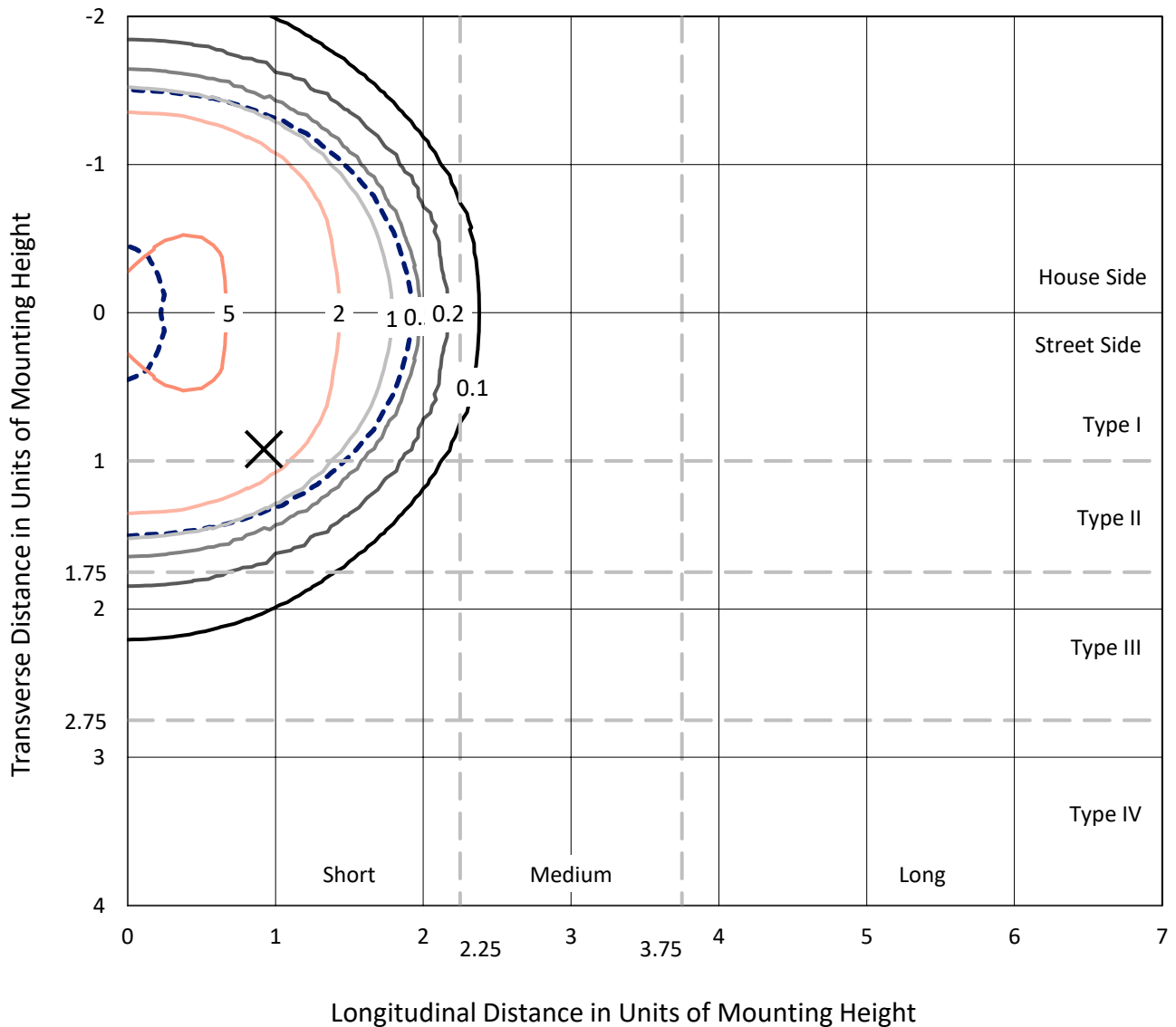
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

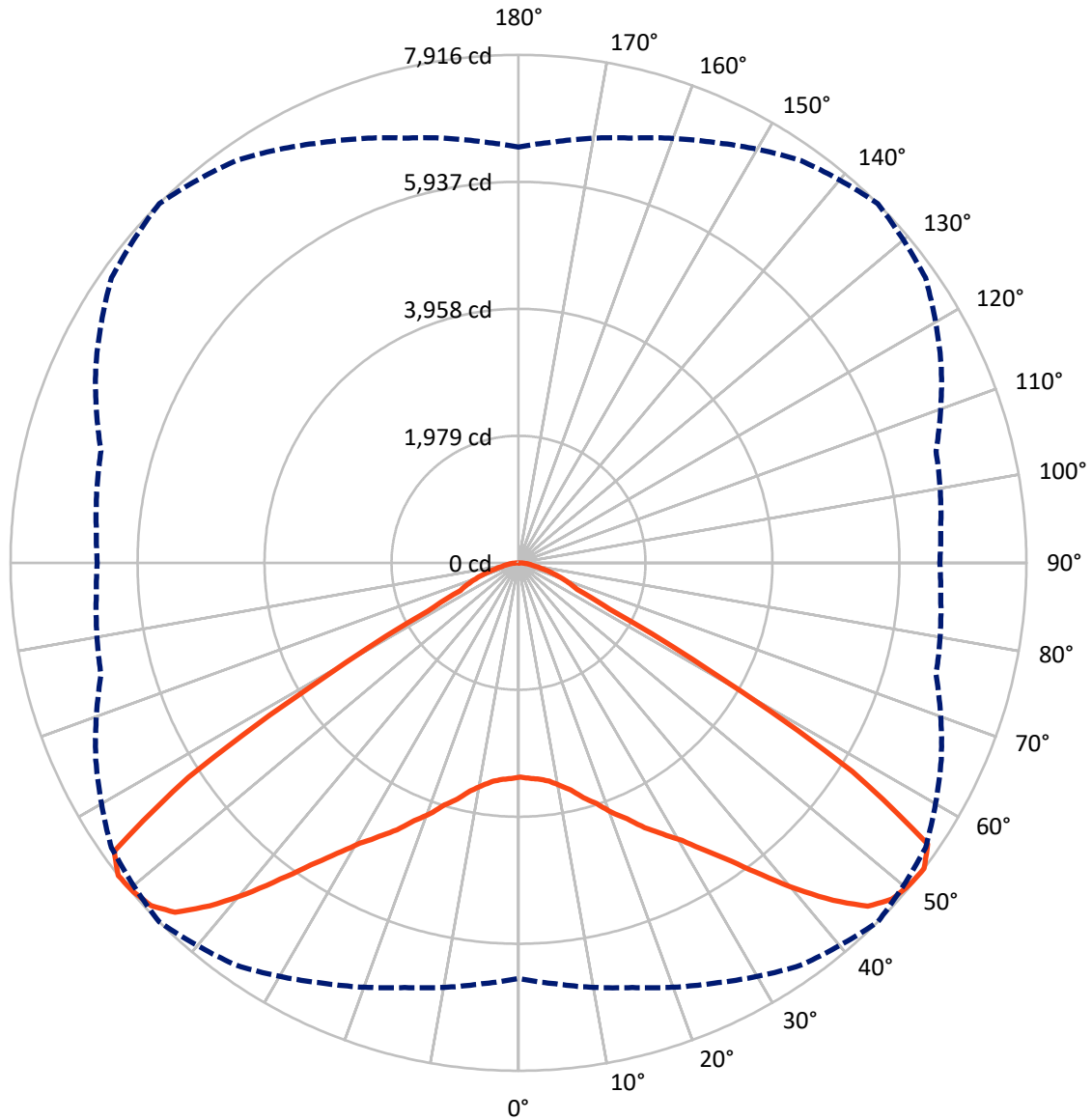
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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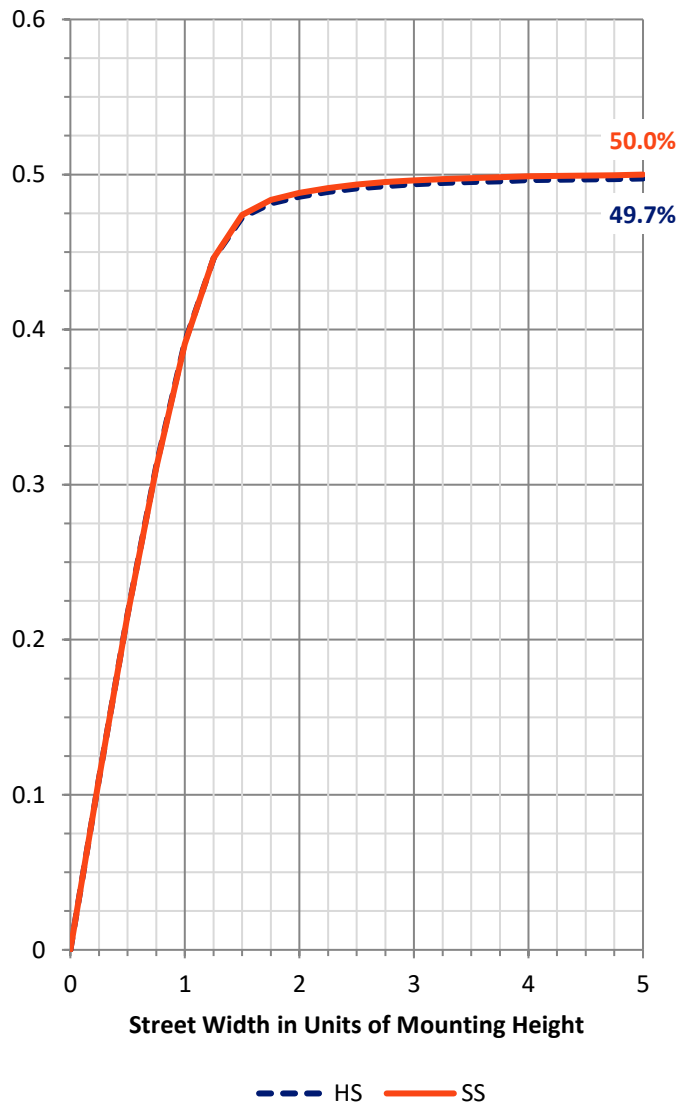
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9991.9	0.0	9991.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9991.9	0.0	9991.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	19983.8	0.0	19983.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	1.6
10°-20°	1078.4	5.4
20°-30°	2053.2	10.3
30°-40°	3525.5	17.6
40°-50°	5418.8	27.1
50°-60°	5502.7	27.5
60°-70°	1533.5	7.7
70°-80°	452.4	2.3
80°-90°	91.1	0.5
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°	19983.8	100.0
0°-180°	19983.8	100.0

Coefficient of Utilization



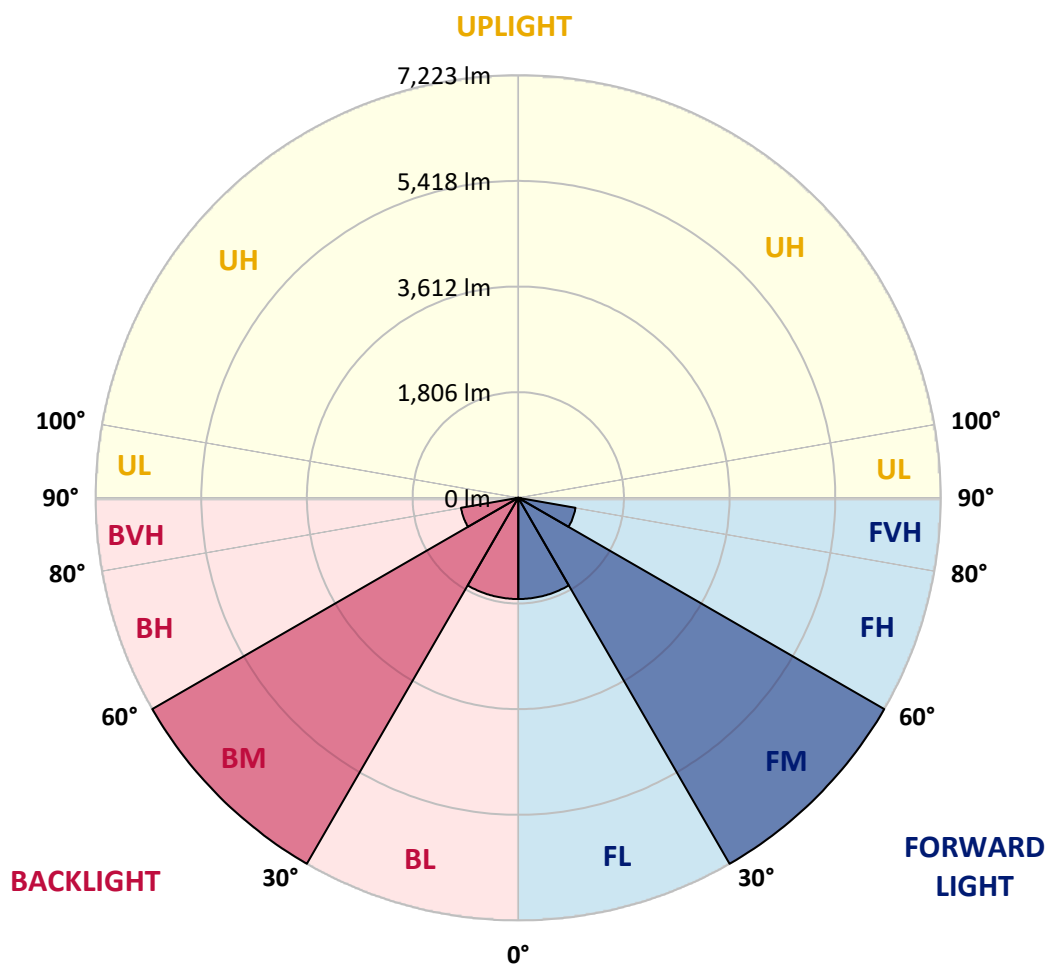
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1729.9	8.7			
FM (30°-60°)	7223.5	36.1			
FH (60°-80°)	992.9	5.0			G1/1800
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	1729.9	8.7	B3/2500		
BM (30°-60°)	7223.5	36.1	B4/8500		
BH (60°-80°)	992.9	5.0	B2/1000		G1/1800
BVH (80°-90°)	45.6	0.2			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°	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5	3340.5
2.5°	3348.0	3313.3	3325.7	3333.1	3365.3	3362.9	3355.4	3365.3	3375.3	3377.8	3372.8
5°	3345.5	3320.7	3330.6	3338.1	3370.3	3387.7	3382.8	3424.9	3454.7	3447.2	3484.4
7.5°	3325.7	3340.5	3328.2	3365.3	3392.7	3434.8	3479.5	3519.2	3556.3	3598.5	3606.0
10°	3370.3	3370.3	3392.7	3422.4	3494.4	3526.6	3591.1	3648.1	3720.0	3769.6	3749.8
12.5°	3417.4	3424.9	3424.9	3501.8	3561.3	3633.2	3692.7	3769.6	3871.3	3930.8	3960.5
15°	3464.6	3469.5	3494.4	3598.5	3687.8	3801.8	3856.4	3925.9	3982.9	4094.5	4096.9
17.5°	3506.7	3534.0	3608.4	3725.0	3836.6	3945.7	4032.5	4104.4	4154.0	4198.6	4188.7
20°	3665.4	3685.3	3762.1	3878.7	4044.9	4151.5	4181.3	4193.6	4225.9	4315.2	4287.9
22.5°	3819.2	3826.6	3898.5	4077.1	4193.6	4335.0	4367.3	4359.8	4372.3	4394.6	4434.3
25°	3977.9	3990.3	4089.5	4240.8	4404.5	4573.1	4600.4	4543.3	4526.0	4550.8	4553.3
27.5°	4181.3	4183.7	4310.2	4441.7	4627.7	4786.4	4828.6	4783.9	4702.1	4722.0	4754.2
30°	4439.2	4421.8	4548.3	4736.8	4932.7	5022.0	5093.9	5071.6	4982.3	4964.9	4937.7
32.5°	4736.8	4741.7	4855.8	5061.6	5190.7	5339.4	5416.3	5379.1	5322.1	5292.3	5309.7
35°	5155.9	5178.2	5255.2	5426.2	5634.5	5709.0	5830.5	5751.1	5602.3	5639.5	5671.8
37.5°	5500.6	5565.1	5709.0	5912.3	6036.4	6172.7	6217.3	6110.7	6001.6	5957.0	6063.6
40°	6028.9	6009.0	6167.7	6371.2	6554.7	6691.1	6634.0	6527.3	6257.0	6259.6	6289.3
42.5°	6482.8	6492.6	6614.1	6857.2	7107.7	7192.0	7011.0	6750.5	6450.5	6418.3	6482.8
45°	6864.7	6904.4	6973.7	7298.6	7544.2	7635.9	7301.1	6993.6	6591.8	6458.0	6564.6
47.5°	7001.1	7065.5	7216.8	7514.4	7757.5	7831.8	7564.0	7122.6	6723.3	6505.1	6562.1
50°	7020.9	6998.5	7246.6	7519.4	7732.7	7893.9	7658.2	7216.8	6691.1	6577.0	6559.6
52.5°	6477.8	6586.9	6852.2	7226.7	7658.2	7916.2	7742.6	7268.8	6735.7	6606.7	6564.6
55°	5242.7	5113.8	5597.4	6227.3	7020.9	7737.6	7712.8	7296.2	6763.0	6656.3	6599.3
57.5°	2926.4	2963.6	3236.4	3920.9	4945.2	6135.5	6857.2	7008.5	6750.5	6688.6	6718.3
60°	1354.1	1366.5	1483.0	1802.9	2437.8	3479.5	4429.3	5394.0	5837.9	5927.2	5927.2
62.5°	1009.4	1004.4	1034.2	1091.2	1225.1	1599.6	2135.3	2901.6	3511.7	3938.2	4049.8
65°	912.7	910.1	925.0	944.9	954.8	1006.8	1125.9	1361.5	1559.9	1674.0	1654.2
67.5°	798.5	796.1	801.1	813.4	830.8	858.1	887.8	937.5	1006.8	1001.9	989.5
70°	644.8	644.8	652.3	662.1	682.0	714.3	749.0	783.6	843.2	855.6	853.1
72.5°	476.2	468.7	483.6	503.4	523.3	563.0	600.1	632.4	674.6	686.9	682.0
75°	302.6	307.6	317.5	339.8	374.5	401.7	441.4	468.7	496.0	505.9	508.4
77.5°	168.6	173.6	191.0	218.2	253.0	282.7	317.5	339.8	357.1	359.6	362.1
80°	101.7	104.2	121.5	146.3	176.1	208.3	235.6	257.9	272.8	265.3	262.9
82.5°	62.0	64.5	79.4	101.7	126.5	151.3	181.1	200.9	215.8	205.9	196.0
85°	32.2	34.7	47.1	62.0	81.8	94.3	94.3	84.4	81.8	76.9	74.4
87.5°	9.9	9.9	12.4	14.9	12.4	14.9	17.3	19.8	19.8	22.3	19.8
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)