

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: P650951

Luminaire Tested: **GALN-SA6C-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650951
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-SA6C-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 1050mA 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: 22658.2 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

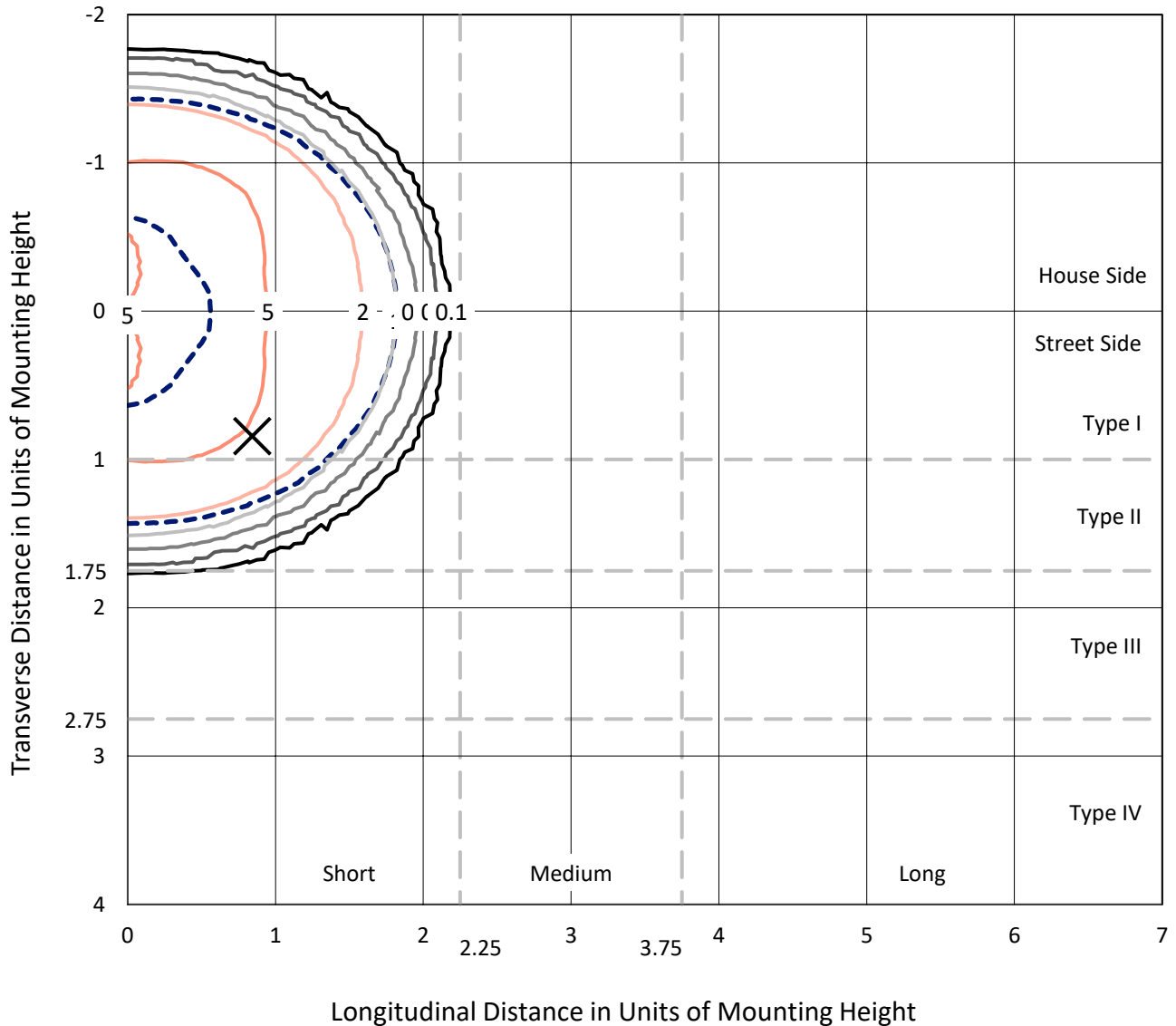
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650951
 CATALOG NUMBER: GALN-SA6C-840-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

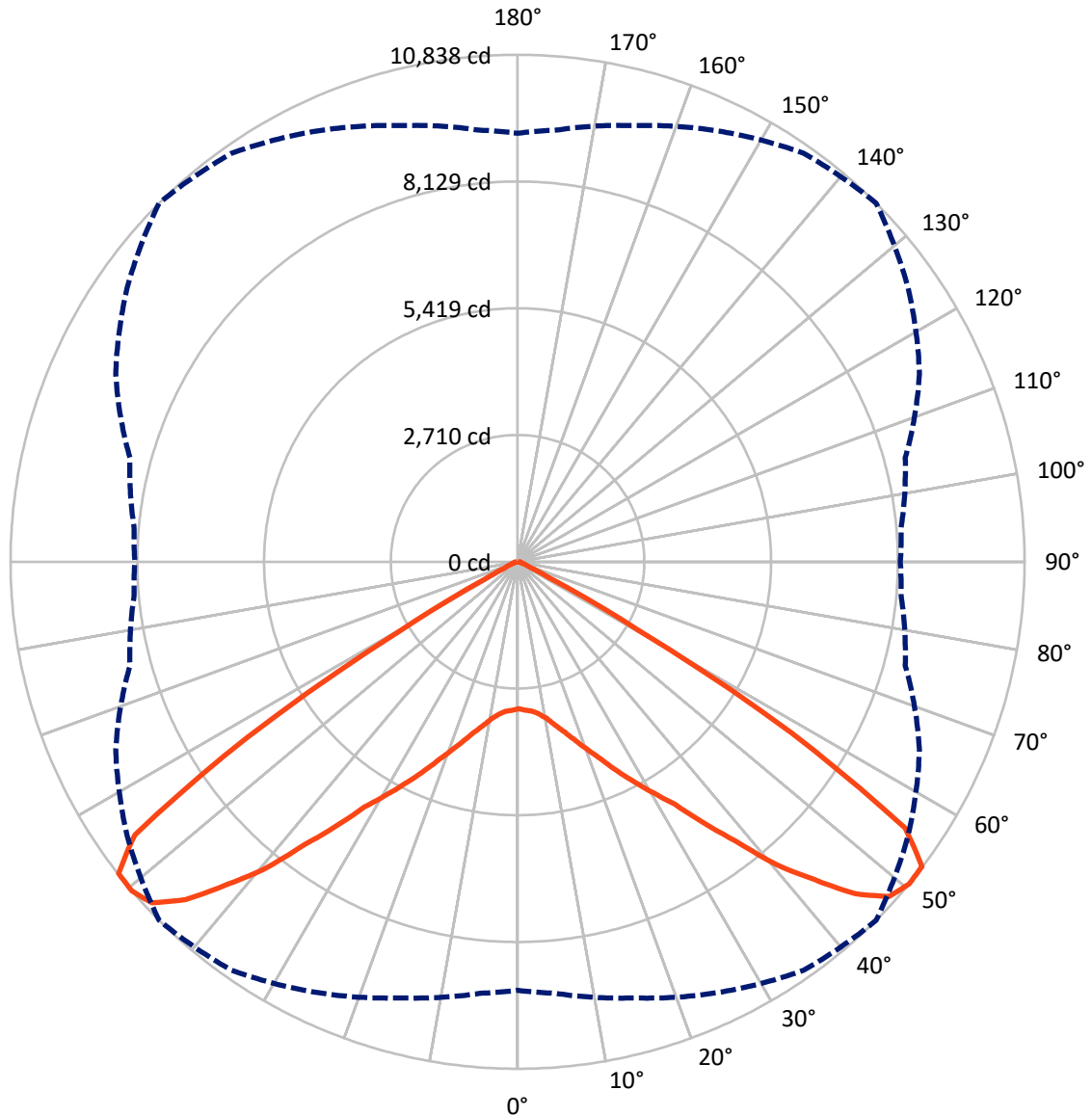
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

REPORT NUMBER: P650951
CATALOG NUMBER: GALN-SA6C-840-U-RW-GRSBK

Luminous Intensity Polar Plot



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

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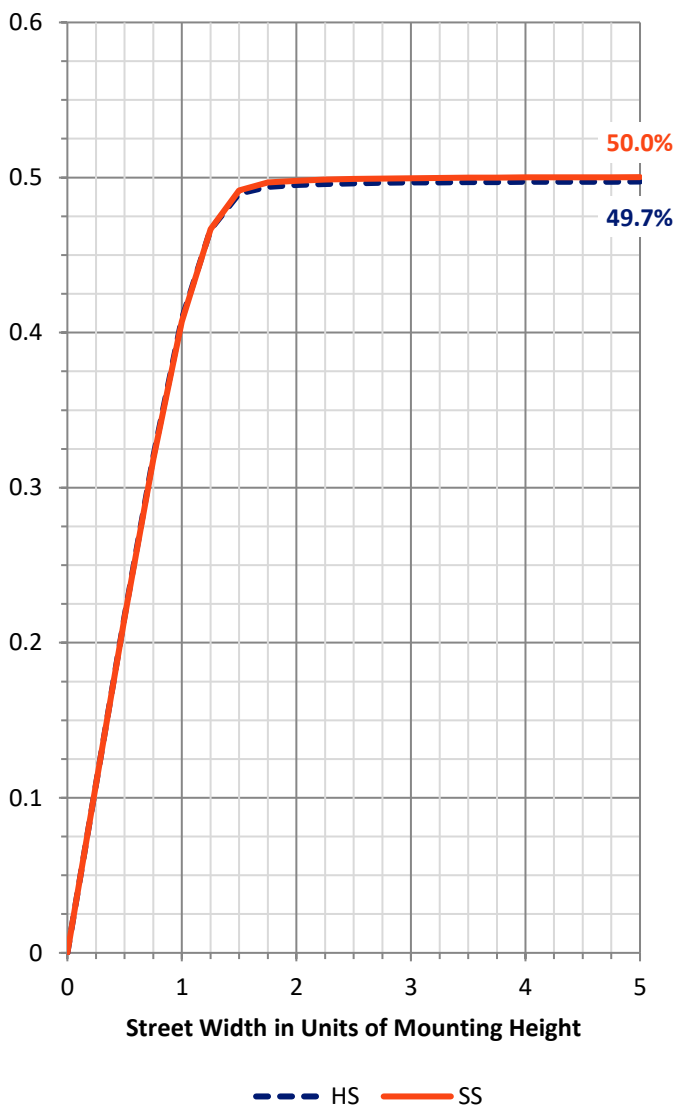
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11329.1	0.0	11329.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11329.1	0.0	11329.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	22658.2	0.0	22658.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.5	1.4
10°-20°	1077.1	4.8
20°-30°	2199.9	9.7
30°-40°	4195.1	18.5
40°-50°	7069.4	31.2
50°-60°	6742.0	29.8
60°-70°	941.1	4.2
70°-80°	90.0	0.4
80°-90°	31.1	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°	22658.2	100.0
0°-180°	22658.2	100.0

Coefficient of Utilization



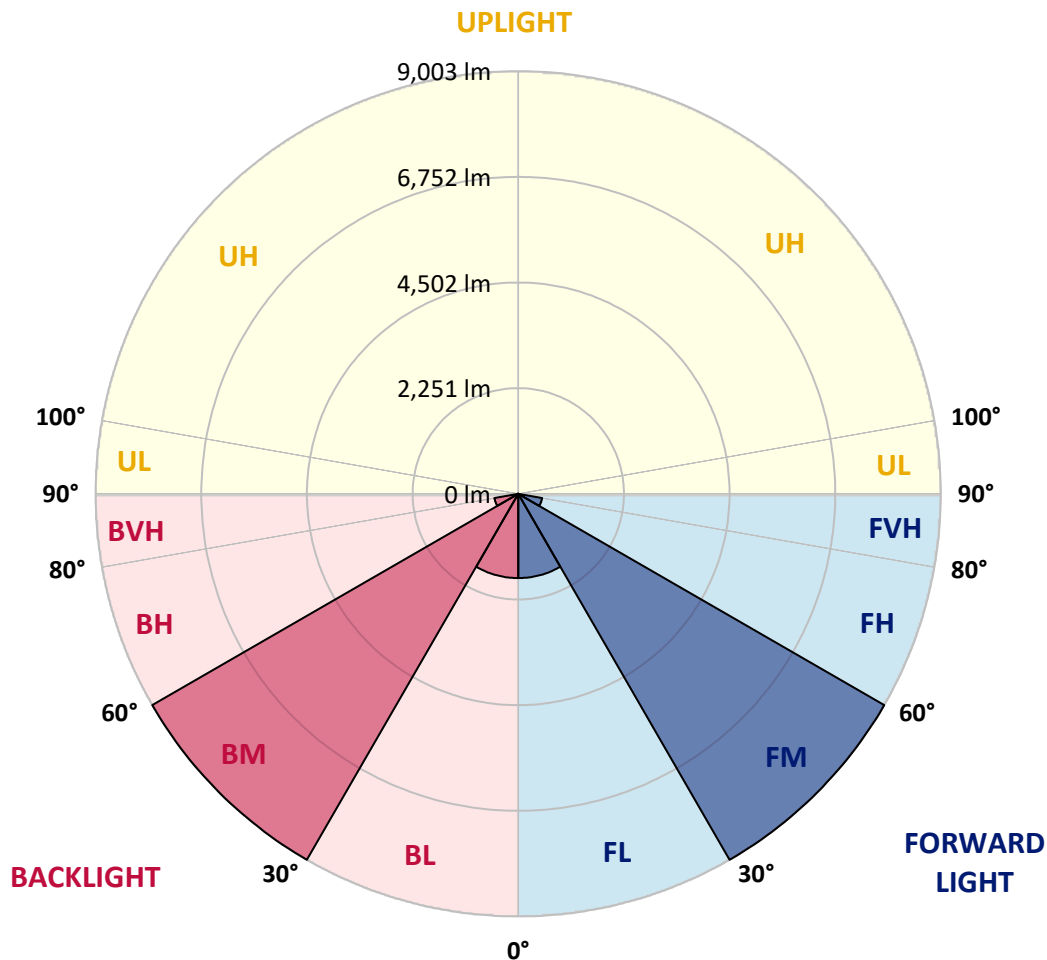
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1794.7	7.9			
FM (30°-60°)	9003.3	39.7			
FH (60°-80°)	515.6	2.3			G0/660
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	1794.7	7.9	B3/2500		
BM (30°-60°)	9003.3	39.7	B5		
BH (60°-80°)	515.6	2.3	B2/1000		G0/660
BVH (80°-90°)	15.5	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°	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3	3141.3
2.5°	3129.9	3129.9	3126.1	3156.5	3141.3	3175.6	3171.8	3183.3	3194.7	3190.8	3221.4
5°	3103.2	3099.3	3099.3	3133.7	3168.0	3206.1	3240.5	3263.3	3301.4	3301.4	3339.5
7.5°	3129.9	3110.8	3137.5	3152.7	3217.6	3282.3	3339.5	3385.3	3473.0	3503.4	3492.1
10°	3137.5	3160.4	3179.4	3225.2	3305.2	3404.4	3453.9	3568.3	3667.4	3736.1	3751.3
12.5°	3187.1	3221.4	3274.8	3385.3	3457.8	3587.4	3656.0	3766.5	3903.8	3980.0	4033.4
15°	3282.3	3293.8	3362.4	3503.4	3659.8	3777.9	3884.7	3964.7	4098.2	4185.9	4189.7
17.5°	3404.4	3453.9	3549.2	3682.7	3846.6	4021.9	4105.8	4193.5	4243.1	4361.3	4387.9
20°	3648.3	3656.0	3747.5	3922.8	4128.7	4288.8	4349.8	4395.6	4376.5	4498.5	4521.4
22.5°	3877.1	3884.7	3999.0	4235.4	4456.5	4593.8	4620.5	4593.8	4536.6	4624.3	4631.9
25°	4109.6	4178.3	4262.1	4498.5	4772.9	4955.9	4959.8	4887.3	4769.1	4784.4	4822.5
27.5°	4471.8	4521.4	4609.0	4826.3	5127.5	5333.4	5299.1	5211.3	5058.9	5070.3	5058.9
30°	4895.0	4940.7	5013.1	5291.4	5512.6	5737.5	5787.0	5703.2	5474.4	5424.9	5482.1
32.5°	5405.8	5470.6	5604.0	5859.5	6046.3	6183.5	6217.8	6187.3	5973.8	5954.8	5992.9
35°	6027.2	6114.9	6236.9	6461.8	6614.3	6862.1	6862.1	6759.2	6564.8	6587.6	6583.8
37.5°	6682.9	6812.5	7003.2	7231.8	7437.7	7571.2	7529.2	7441.6	7247.1	7197.5	7247.1
40°	7506.3	7571.2	7811.4	8108.7	8360.3	8512.8	8333.6	8143.0	7677.9	7750.3	7883.8
42.5°	8257.4	8360.3	8543.3	8871.1	9157.1	9282.9	9069.4	8692.0	8131.5	8074.4	8173.5
45°	8897.9	9008.4	9248.6	9717.5	10018.7	10129.2	9656.5	9046.6	8406.0	8261.2	8303.1
47.5°	9324.8	9382.0	9717.5	10163.5	10438.0	10689.6	10011.0	9290.5	8535.6	8261.2	8245.9
50°	9160.9	9260.0	9652.7	10159.7	10659.1	10838.3	10190.2	9477.3	8577.6	8226.9	8181.2
52.5°	8135.4	8307.0	8745.4	9427.8	10182.6	10823.1	10438.0	9416.3	8562.4	8261.2	8329.9
55°	5661.2	5665.1	6198.8	7205.2	8539.5	10049.2	10075.9	9485.0	8661.5	8474.7	8478.5
57.5°	2275.9	2390.3	2798.2	3808.5	5039.9	6900.2	8204.0	8798.7	8672.9	8627.1	8745.4
60°	575.7	579.4	705.3	1075.1	1772.7	2958.3	4296.4	5813.7	6694.4	6995.5	7037.5
62.5°	293.5	297.4	327.8	381.2	484.2	793.0	1410.5	2237.8	3183.3	3663.6	3789.4
65°	240.2	240.2	259.2	285.9	289.7	304.9	366.0	522.3	758.7	861.6	873.0
67.5°	183.0	183.0	198.2	213.4	221.1	217.3	209.7	217.3	263.1	251.6	244.0
70°	114.4	118.2	125.8	141.0	148.7	152.5	156.3	163.9	186.8	194.4	186.8
72.5°	68.6	68.6	72.4	83.8	95.3	102.9	114.4	122.0	133.5	152.5	148.7
75°	30.5	30.5	38.1	49.5	61.0	72.4	83.8	95.3	102.9	114.4	118.2
77.5°	7.7	11.4	19.1	34.3	45.8	61.0	76.3	87.7	95.3	95.3	91.5
80°	3.8	3.8	15.2	26.7	49.5	64.8	83.8	91.5	102.9	95.3	83.8
82.5°	3.8	3.8	15.2	26.7	45.8	64.8	87.7	99.2	106.7	95.3	80.1
85°	0.0	3.8	11.4	22.9	38.1	45.8	38.1	26.7	15.2	15.2	11.4
87.5°	0.0	0.0	3.8	3.8	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)