

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: P531293

Luminaire Tested: **GALN-SA6C-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-750-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21746 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

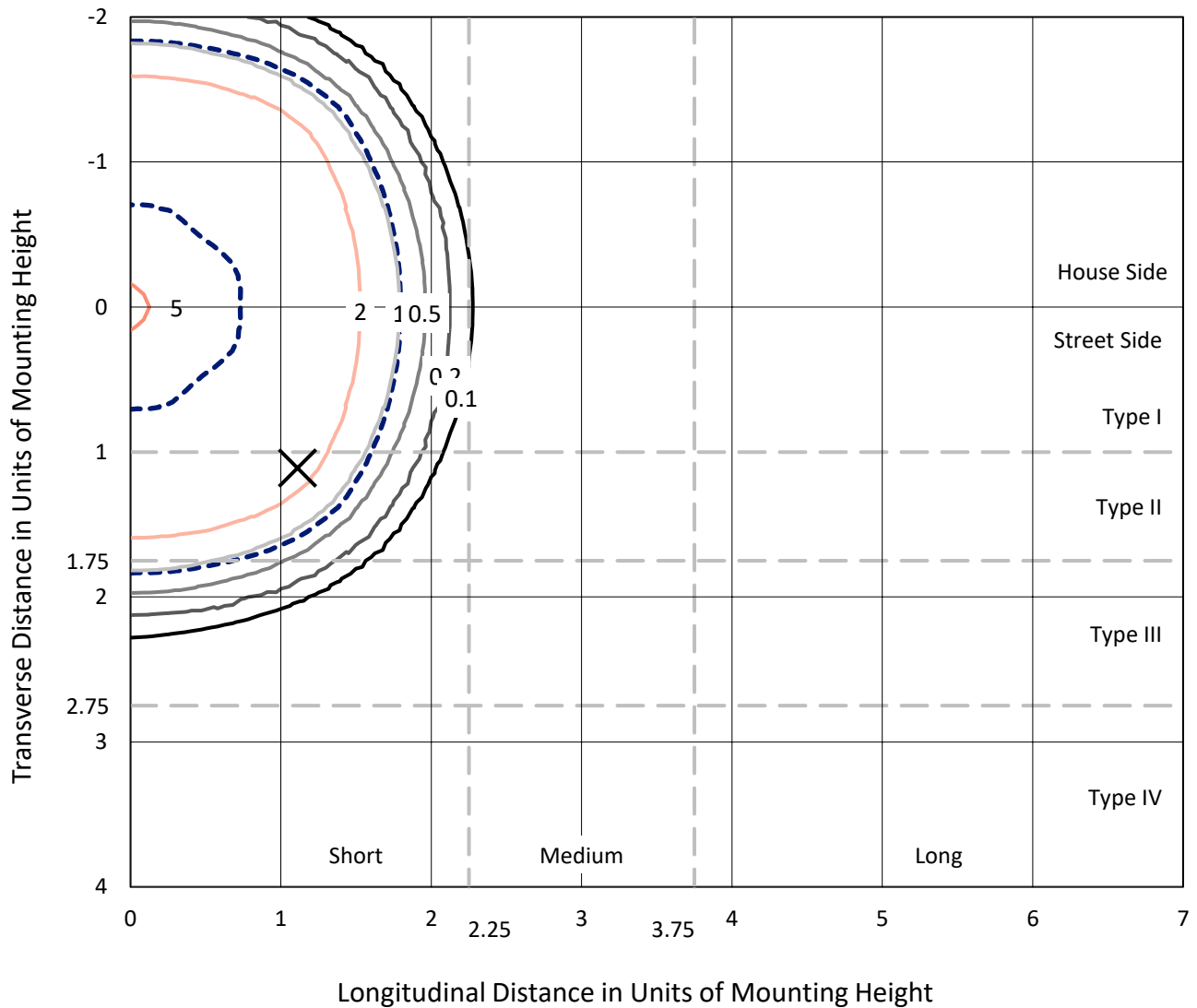
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

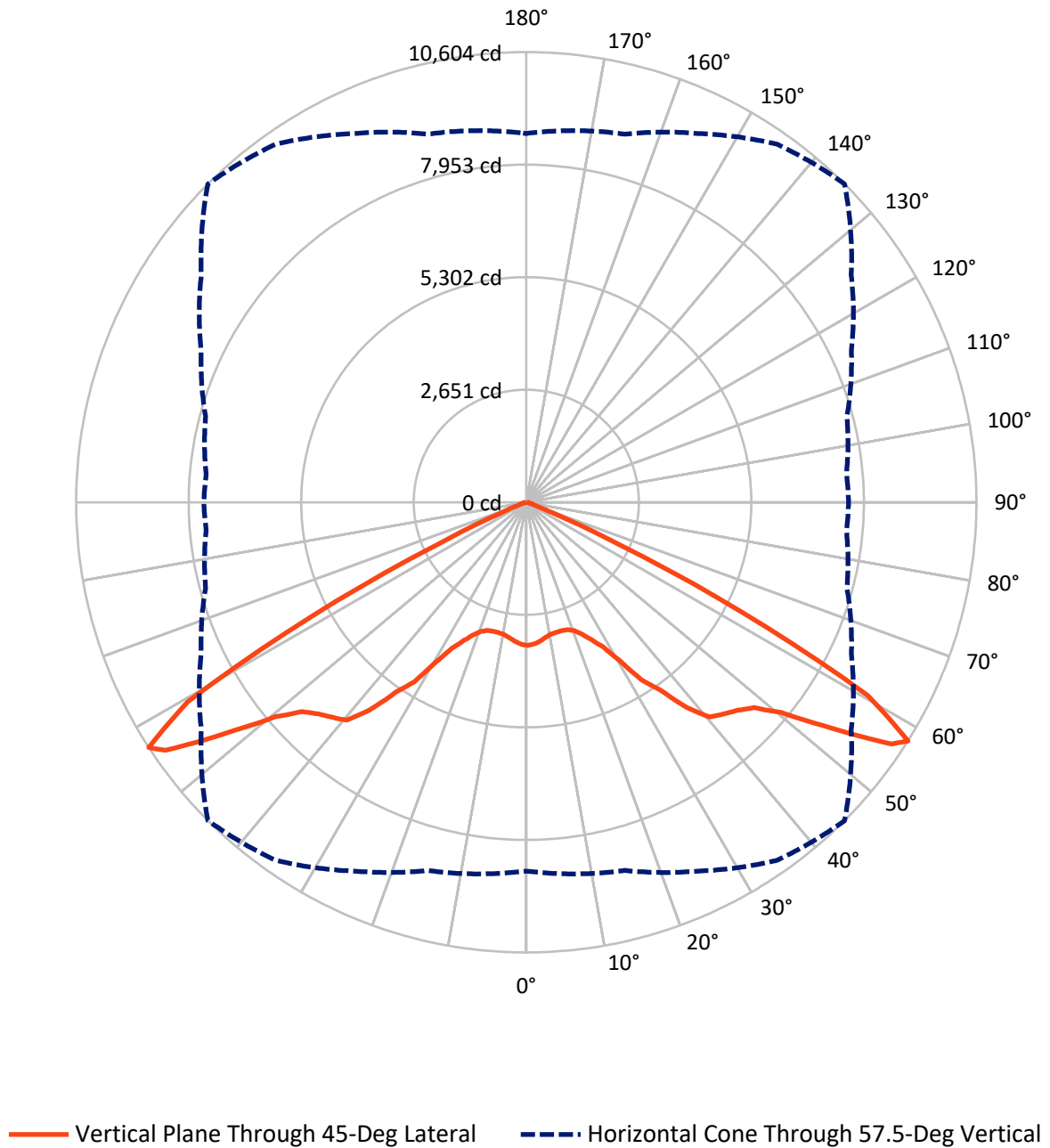
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10873.0	0.0	10873.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10873.0	0.0	10873.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21746.0	0.0	21746.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.0	1.4
10°-20°	895.9	4.1
20°-30°	1653.8	7.6
30°-40°	3252.4	15.0
40°-50°	5297.2	24.4
50°-60°	7554.5	34.7
60°-70°	2615.6	12.0
70°-80°	140.3	0.6
80°-90°	26.4	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°	21746.0	100.0
0°-180°	21746.0	100.0

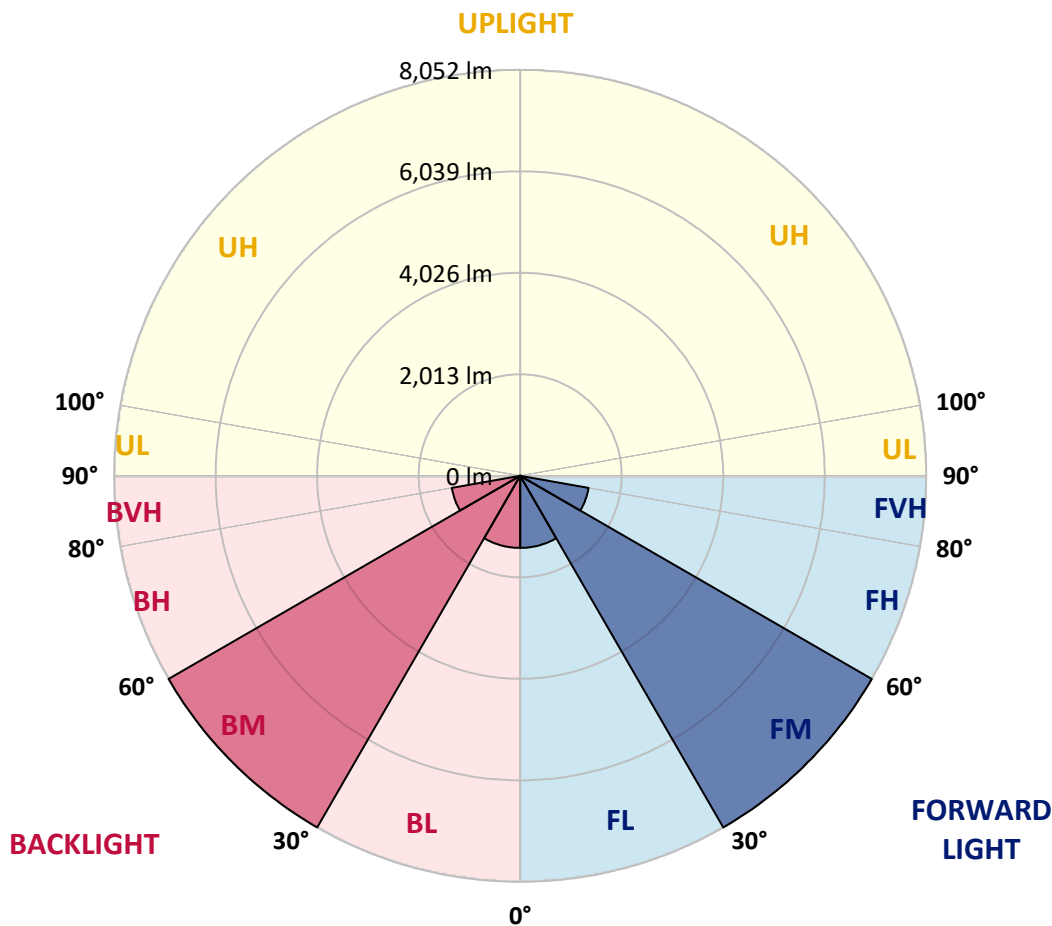


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1429.8	6.6			
FM (30°-60°)	8052.1	37.0			
FH (60°-80°)	1377.9	6.3			G1/1800
FVH (80°-90°)	13.2	0.1			G1/100
BL (0°-30°)	1429.8	6.6	B3/2500		
BM (30°-60°)	8052.1	37.0	B4/8500		
BH (60°-80°)	1377.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	13.2	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°	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0	3373.0
2.5°	3364.0	3382.1	3359.4	3350.4	3345.8	3345.8	3332.2	3332.2	3327.7	3332.2	3314.1
5°	3309.6	3327.7	3327.7	3323.2	3296.0	3291.4	3277.8	3268.8	3273.3	3255.2	3268.8
7.5°	3255.2	3268.8	3250.6	3246.1	3237.0	3218.9	3214.4	3173.6	3178.1	3178.1	3187.2
10°	3246.1	3241.6	3214.4	3191.7	3164.5	3160.0	3146.4	3137.3	3137.3	3132.7	3146.4
12.5°	3246.1	3223.4	3218.9	3169.0	3123.7	3141.8	3105.5	3082.9	3114.6	3123.7	3141.8
15°	3241.6	3264.2	3187.2	3164.5	3132.7	3137.3	3105.5	3082.9	3101.0	3110.1	3123.7
17.5°	3268.8	3255.2	3232.5	3187.2	3173.6	3155.4	3114.6	3096.5	3096.5	3119.1	3123.7
20°	3341.3	3305.0	3259.7	3237.0	3250.6	3228.0	3178.1	3110.1	3128.2	3146.4	3160.0
22.5°	3409.3	3382.1	3350.4	3336.8	3413.8	3377.6	3291.4	3214.4	3187.2	3218.9	3241.6
25°	3540.8	3540.8	3481.8	3500.0	3586.1	3590.6	3490.9	3354.9	3336.8	3350.4	3359.4
27.5°	3808.3	3821.9	3772.0	3790.1	3826.4	3858.1	3772.0	3658.7	3617.8	3613.3	3626.9
30°	4098.4	4125.6	4121.1	4198.2	4302.4	4320.6	4193.6	4007.7	3885.3	3862.7	3880.8
32.5°	4479.2	4492.8	4483.8	4574.4	4855.5	4987.0	4656.1	4393.1	4229.9	4270.7	4229.9
35°	5195.6	5182.0	5082.2	5100.4	5331.6	5426.8	5109.4	4941.7	4864.6	4946.2	4928.1
37.5°	5812.1	5762.3	5680.7	5798.5	6038.8	6125.0	5794.0	5499.3	5358.8	5494.8	5553.7
40°	6333.5	6206.6	6093.2	6211.1	6533.0	6650.9	6165.8	5925.5	5871.1	5970.8	6097.8
42.5°	6773.3	6691.7	6542.1	6551.1	6764.2	6818.6	6428.7	6288.2	6233.8	6392.4	6455.9
45°	7086.1	7009.0	6868.5	6859.4	7022.6	6986.3	6637.3	6542.1	6573.8	6678.1	6709.8
47.5°	7244.8	7285.6	7204.0	7226.6	7312.8	7226.6	6950.1	6950.1	6877.5	6941.0	6909.3
50°	7702.7	7575.7	7680.0	7680.0	7770.7	7779.7	7503.2	7403.4	7208.5	7099.7	7099.7
52.5°	8237.6	8246.7	8287.5	8437.1	8591.3	8722.7	8328.3	7902.1	7575.7	7435.2	7417.0
55°	8677.4	8768.1	8931.3	9212.4	9656.7	9838.0	9158.0	8396.3	7997.4	7779.7	7734.4
56°	8917.7	8831.5	9112.6	9498.0	10078.3	10314.0	9294.0	8496.1	8056.3	7811.5	7806.9
57.5°	8686.5	8781.7	8976.6	9584.1	10295.9	10604.2	9343.8	8450.7	7820.5	7571.2	7593.9
60°	6859.4	6950.1	7213.0	7893.1	9008.4	9248.6	7906.7	6968.2	6406.0	6047.9	6052.4
62.5°	3880.8	3948.8	4152.8	4783.0	5476.6	5707.9	4928.1	4302.4	3912.5	3713.1	3649.6
65°	1428.1	1400.9	1432.6	1754.5	2180.7	2375.6	2049.2	1731.9	1527.8	1455.3	1428.1
67.5°	535.0	494.2	462.4	494.2	621.1	657.4	603.0	503.2	471.5	485.1	494.2
70°	331.0	312.8	249.4	235.7	231.2	226.7	240.3	253.9	290.2	340.0	349.1
72.5°	231.2	217.6	176.8	167.7	158.7	154.1	176.8	194.9	226.7	263.0	267.5
75°	90.7	95.2	90.7	99.7	104.3	108.8	126.9	140.5	154.1	154.1	149.6
77.5°	18.1	18.1	27.2	36.3	45.3	58.9	86.1	99.7	104.3	99.7	86.1
80°	0.0	0.0	9.1	18.1	36.3	49.9	77.1	86.1	95.2	86.1	68.0
82.5°	0.0	0.0	9.1	22.7	36.3	45.3	72.5	90.7	104.3	95.2	72.5
85°	0.0	0.0	9.1	18.1	27.2	31.7	31.7	22.7	22.7	13.6	9.1
87.5°	0.0	0.0	0.0	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)