

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: P531265

Luminaire Tested: **GALN-SA6C-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531265
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-SA6C-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA 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: 28639 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

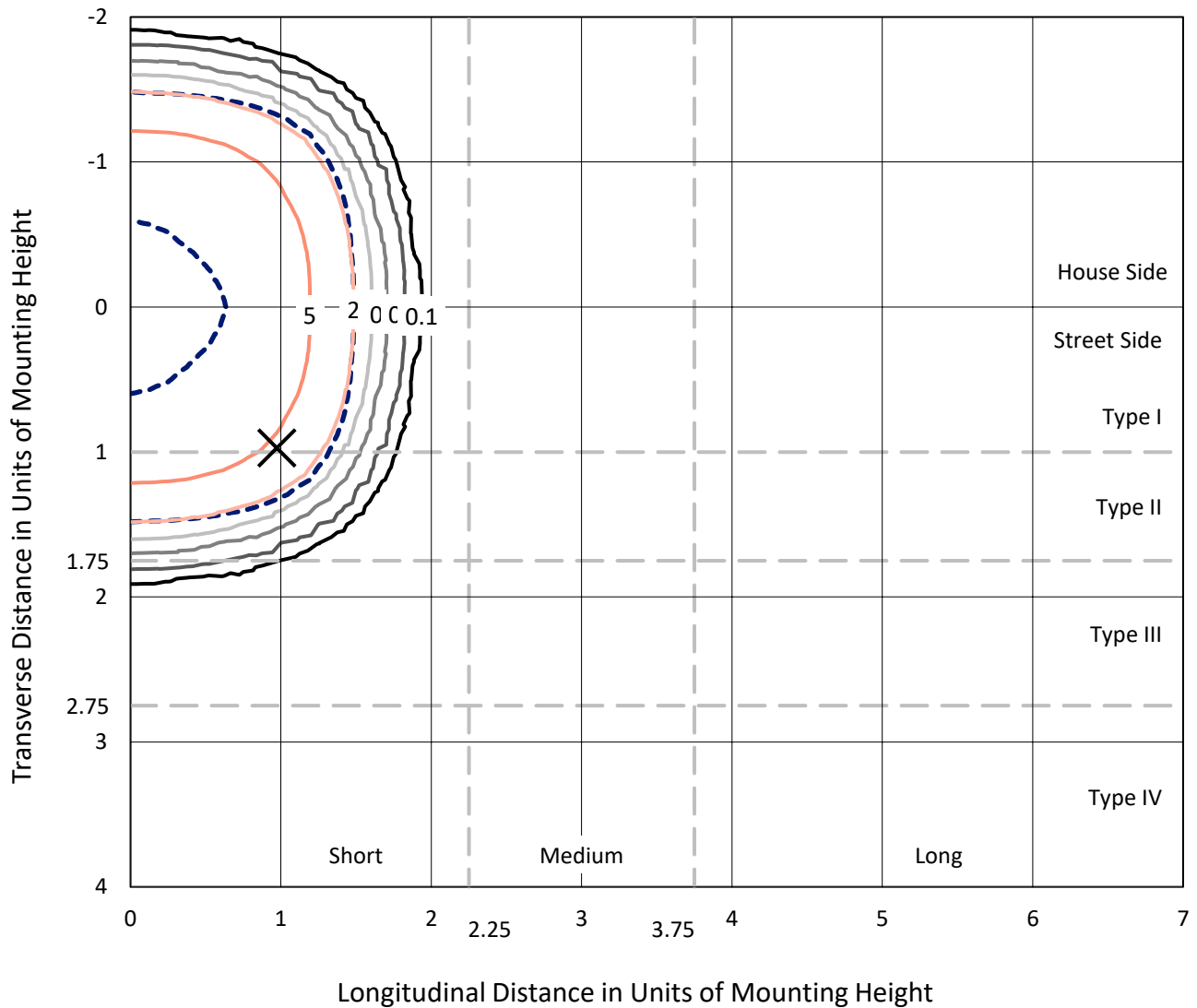
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

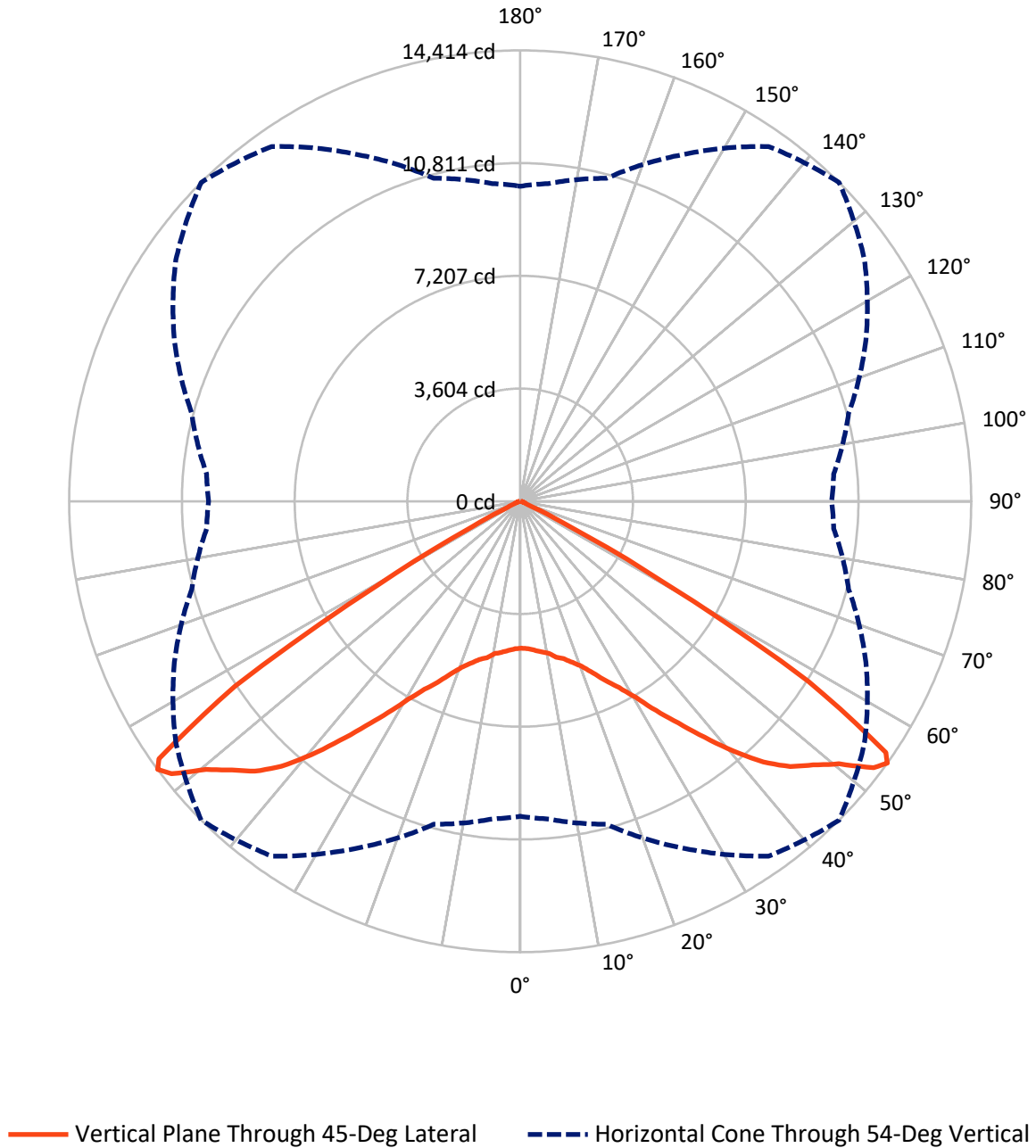
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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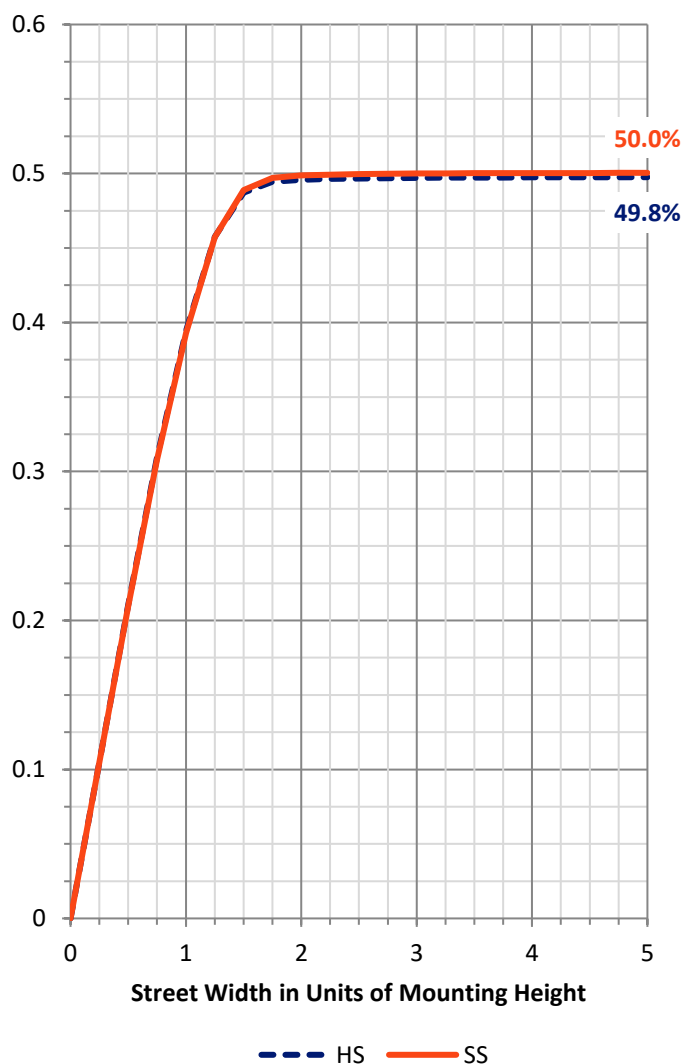
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14319.5	0.0	14319.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14319.5	0.0	14319.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28639.0	0.0	28639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.6	1.6
10°-20°	1488.4	5.2
20°-30°	2917.2	10.2
30°-40°	5245.7	18.3
40°-50°	8979.7	31.4
50°-60°	8688.7	30.3
60°-70°	743.8	2.6
70°-80°	88.2	0.3
80°-90°	27.6	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°	28639.0	100.0
0°-180°	28639.0	100.0

Coefficient of Utilization



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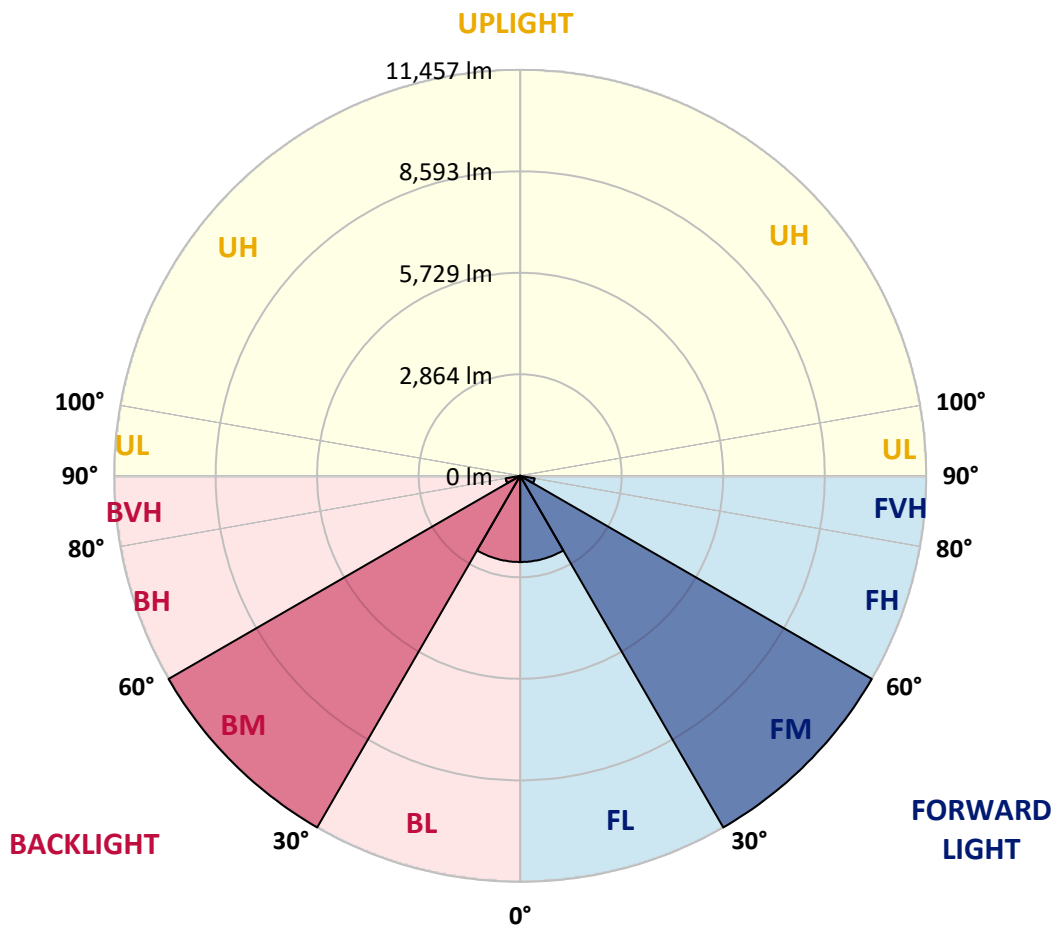
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2432.6	8.5			
FM (30°-60°)	11457.1	40.0			
FH (60°-80°)	416.0	1.5			G0/660
FVH (80°-90°)	13.8	0.0			G1/100
BL (0°-30°)	2432.6	8.5	B3/2500		
BM (30°-60°)	11457.1	40.0	B5		
BH (60°-80°)	416.0	1.5	B1/500		G0/660
BVH (80°-90°)	13.8	0.0			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°	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9	4695.9
2.5°	4718.6	4745.8	4727.7	4741.3	4741.3	4718.6	4732.2	4677.8	4714.1	4686.8	4691.4
5°	4791.2	4786.6	4786.6	4791.2	4773.0	4782.1	4764.0	4745.8	4732.2	4714.1	4768.5
7.5°	4881.9	4881.9	4850.2	4859.2	4850.2	4863.8	4827.5	4791.2	4777.6	4764.0	4754.9
10°	4968.1	4959.1	4945.4	4986.3	4954.5	4936.4	4918.2	4895.5	4845.6	4827.5	4809.3
12.5°	5095.2	5090.6	5072.5	5113.3	5095.2	5113.3	5045.3	4986.3	4977.2	4918.2	4950.0
15°	5244.9	5285.7	5254.0	5254.0	5244.9	5222.2	5195.0	5167.8	5086.1	5063.4	5067.9
17.5°	5440.0	5426.4	5430.9	5430.9	5476.3	5417.3	5362.9	5294.8	5254.0	5240.4	5195.0
20°	5626.0	5644.2	5639.6	5671.4	5698.6	5635.1	5576.1	5567.0	5453.6	5471.7	5408.2
22.5°	5952.7	5939.1	5961.8	5984.4	5966.3	5957.2	5902.8	5834.7	5734.9	5689.5	5680.5
25°	6297.5	6274.8	6234.0	6288.4	6315.7	6356.5	6252.1	6215.8	6061.6	5993.5	5998.1
27.5°	6592.4	6624.2	6669.5	6692.2	6760.3	6746.7	6674.1	6556.1	6438.2	6361.0	6311.1
30°	6996.2	7014.4	7091.5	7123.3	7241.2	7273.0	7159.6	7023.4	6814.7	6714.9	6655.9
32.5°	7368.3	7495.3	7490.8	7649.6	7840.1	7971.7	7767.5	7558.8	7350.1	7232.1	7127.8
35°	7971.7	7949.0	8080.6	8248.5	8557.0	8706.7	8484.4	8243.9	7926.3	7735.8	7654.1
37.5°	8534.3	8543.4	8720.3	8988.0	9341.9	9573.3	9378.2	8983.5	8656.8	8411.8	8298.4
40°	9351.0	9369.1	9550.6	9854.6	10253.9	10503.4	10276.5	9877.3	9441.7	9251.2	9251.2
42.5°	10308.3	10385.4	10503.4	10766.6	11125.0	11401.7	11197.6	10884.5	10444.4	10199.4	10235.7
45°	11292.9	11329.2	11406.3	11796.5	11964.3	12100.5	11909.9	11764.7	11469.8	11170.4	11120.4
47.5°	12213.9	12227.5	12454.4	12576.9	12708.4	12595.0	12717.5	12526.9	12195.7	11905.4	11846.4
50°	12622.2	12599.5	12921.7	13293.7	13393.5	13193.9	13089.5	12962.5	12458.9	12109.5	11955.3
52.5°	11433.5	11565.1	12164.0	13198.4	13978.8	14146.7	13538.7	12953.4	12014.3	11333.7	11229.3
54°	10072.4	10194.9	10689.4	12223.0	13847.2	14414.4	13434.4	12191.2	10866.4	10058.8	9954.4
55°	8724.9	8588.7	9487.1	11052.4	13230.2	14178.5	13021.5	11206.6	9691.3	8951.7	8806.5
57.5°	4723.1	4745.8	5503.5	6982.6	9296.5	10870.9	9600.5	7581.5	5725.8	4895.5	4822.9
60°	1497.2	1533.5	1864.8	2822.1	4441.8	5303.9	4546.2	3044.4	2105.2	1687.8	1619.7
62.5°	467.3	485.5	530.8	789.5	1215.9	1737.7	1361.1	816.7	608.0	558.1	567.1
65°	285.8	285.8	290.4	308.5	363.0	422.0	408.3	358.4	344.8	335.7	331.2
67.5°	186.0	181.5	190.6	204.2	213.2	217.8	231.4	245.0	240.5	231.4	231.4
70°	113.4	108.9	118.0	136.1	140.7	149.7	163.3	181.5	176.9	167.9	172.4
72.5°	63.5	63.5	68.1	81.7	95.3	104.4	118.0	131.6	136.1	131.6	131.6
75°	22.7	27.2	36.3	49.9	59.0	72.6	86.2	99.8	113.4	104.4	99.8
77.5°	9.1	9.1	18.1	31.8	45.4	59.0	81.7	95.3	104.4	95.3	86.2
80°	4.5	4.5	13.6	27.2	40.8	54.4	68.1	81.7	86.2	77.1	68.1
82.5°	4.5	4.5	13.6	27.2	40.8	49.9	72.6	81.7	90.7	81.7	68.1
85°	0.0	4.5	13.6	27.2	36.3	40.8	40.8	27.2	22.7	13.6	13.6
87.5°	0.0	0.0	4.5	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)