

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: P529425

Luminaire Tested: **GALN-SA4C-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529425
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-SA4C-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 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: 17973 lumens
Efficiency: N/A
Efficacy: 84.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

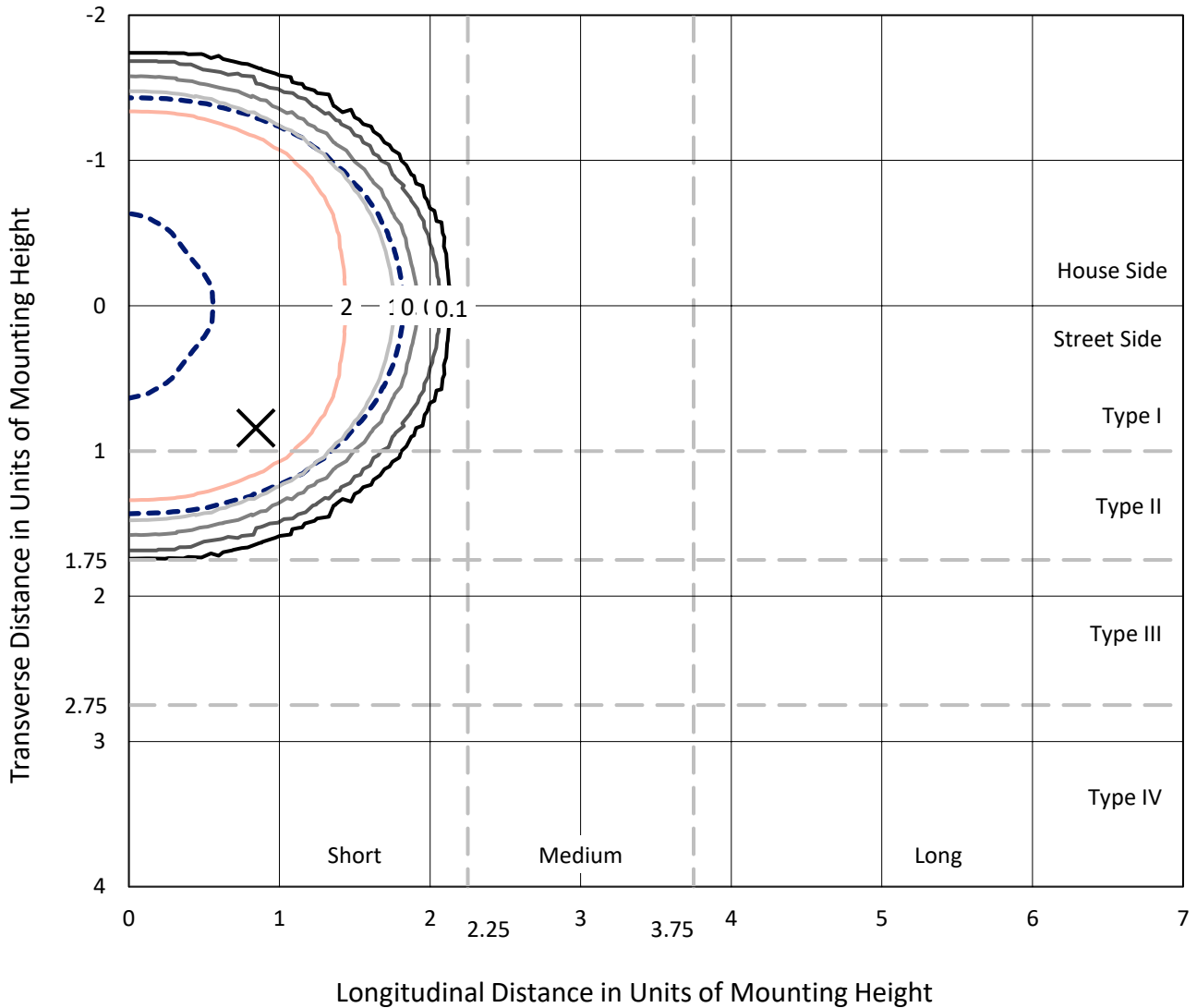
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

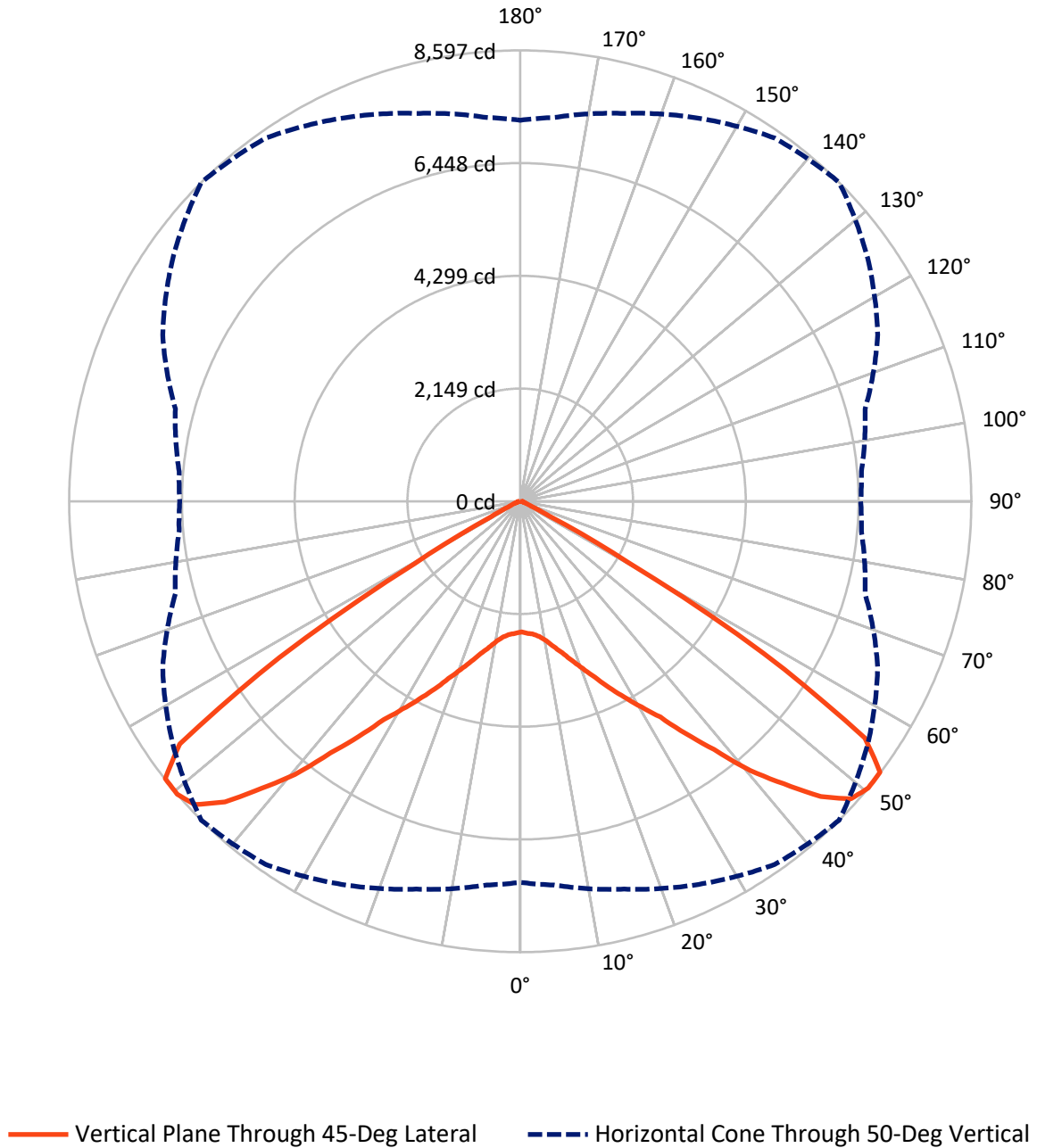
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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	8986.5	0.0	8986.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8986.5	0.0	8986.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17973.0	0.0	17973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.9	1.4
10°-20°	854.4	4.8
20°-30°	1745.0	9.7
30°-40°	3327.7	18.5
40°-50°	5607.6	31.2
50°-60°	5347.9	29.8
60°-70°	746.5	4.2
70°-80°	71.4	0.4
80°-90°	24.7	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°	17973.0	100.0
0°-180°	17973.0	100.0

Coefficient of Utilization



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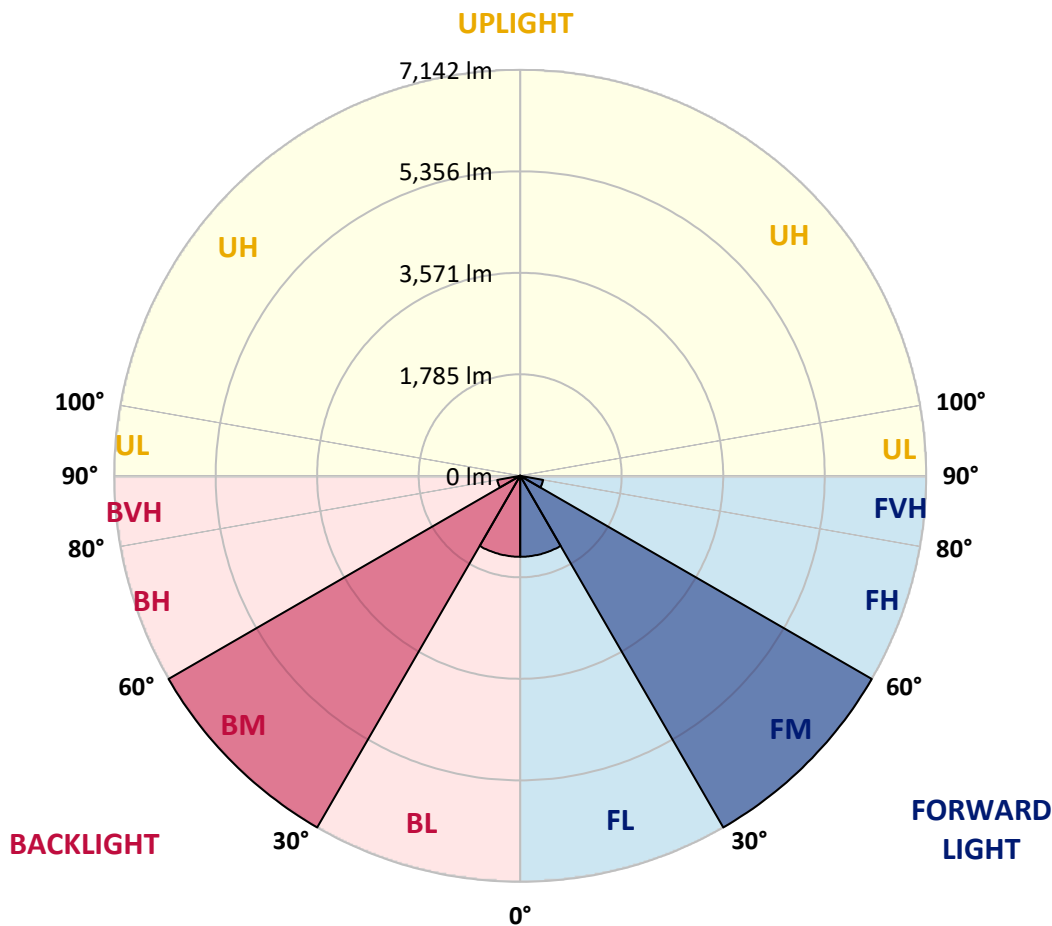
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1423.6	7.9			
FM (30°-60°)	7141.6	39.7			
FH (60°-80°)	409.0	2.3			G0/660
FVH (80°-90°)	12.3	0.1			G1/100
BL (0°-30°)	1423.6	7.9	B3/2500		
BM (30°-60°)	7141.6	39.7	B4/8500		
BH (60°-80°)	409.0	2.3	B1/500		G0/660
BVH (80°-90°)	12.3	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°	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8	2491.8
2.5°	2482.7	2482.7	2479.7	2503.9	2491.8	2519.0	2516.0	2525.0	2534.1	2531.1	2555.3
5°	2461.5	2458.5	2458.5	2485.7	2512.9	2543.2	2570.4	2588.5	2618.8	2618.8	2649.0
7.5°	2482.7	2467.6	2488.7	2500.8	2552.2	2603.6	2649.0	2685.3	2754.8	2779.0	2770.0
10°	2488.7	2506.9	2522.0	2558.3	2621.8	2700.4	2739.7	2830.4	2909.1	2963.5	2975.6
12.5°	2528.0	2555.3	2597.6	2685.3	2742.7	2845.6	2900.0	2987.7	3096.6	3157.0	3199.4
15°	2603.6	2612.7	2667.1	2779.0	2903.0	2996.8	3081.4	3144.9	3250.8	3320.3	3323.4
17.5°	2700.4	2739.7	2815.3	2921.2	3051.2	3190.3	3256.8	3326.4	3365.7	3459.4	3480.6
20°	2893.9	2900.0	2972.6	3111.7	3275.0	3402.0	3450.4	3486.6	3471.5	3568.3	3586.4
22.5°	3075.4	3081.4	3172.2	3359.6	3535.0	3643.9	3665.1	3643.9	3598.5	3668.1	3674.1
25°	3259.8	3314.3	3380.8	3568.3	3786.0	3931.2	3934.2	3876.7	3783.0	3795.1	3825.3
27.5°	3547.1	3586.4	3656.0	3828.4	4067.3	4230.5	4203.3	4133.8	4012.8	4021.9	4012.8
30°	3882.8	3919.1	3976.5	4197.3	4372.7	4551.1	4590.4	4523.9	4342.4	4303.1	4348.5
32.5°	4288.0	4339.4	4445.2	4647.9	4796.0	4904.9	4932.1	4907.9	4738.6	4723.5	4753.7
35°	4780.9	4850.5	4947.2	5125.6	5246.6	5443.2	5443.2	5361.5	5207.3	5225.4	5222.4
37.5°	5301.0	5403.9	5555.0	5736.5	5899.8	6005.6	5972.4	5902.8	5748.6	5709.3	5748.6
40°	5954.2	6005.6	6196.1	6432.0	6631.6	6752.5	6610.4	6459.2	6090.3	6147.7	6253.6
42.5°	6549.9	6631.6	6776.7	7036.8	7263.6	7363.4	7194.0	6894.7	6450.1	6404.8	6483.4
45°	7058.0	7145.7	7336.2	7708.1	7947.0	8034.7	7659.7	7175.9	6667.9	6553.0	6586.2
47.5°	7396.7	7442.0	7708.1	8061.9	8279.7	8479.2	7941.0	7369.4	6770.7	6553.0	6540.9
50°	7266.6	7345.2	7656.7	8058.9	8455.0	8597.2	8083.1	7517.6	6804.0	6525.7	6489.5
52.5°	6453.2	6589.3	6937.0	7478.3	8077.0	8585.1	8279.7	7469.2	6791.9	6553.0	6607.4
55°	4490.6	4493.6	4917.0	5715.3	6773.7	7971.2	7992.4	7523.7	6870.5	6722.3	6725.3
57.5°	1805.3	1896.0	2219.6	3021.0	3997.7	5473.4	6507.6	6979.3	6879.6	6843.3	6937.0
60°	456.6	459.6	559.4	852.8	1406.2	2346.6	3408.0	4611.6	5310.1	5549.0	5582.3
62.5°	232.8	235.9	260.1	302.4	384.0	629.0	1118.9	1775.1	2525.0	2906.0	3005.8
65°	190.5	190.5	205.6	226.8	229.8	241.9	290.3	414.3	601.8	683.4	692.5
67.5°	145.2	145.2	157.2	169.3	175.4	172.4	166.3	172.4	208.7	199.6	193.5
70°	90.7	93.7	99.8	111.9	117.9	121.0	124.0	130.0	148.2	154.2	148.2
72.5°	54.4	54.4	57.5	66.5	75.6	81.6	90.7	96.8	105.8	121.0	117.9
75°	24.2	24.2	30.2	39.3	48.4	57.5	66.5	75.6	81.6	90.7	93.7
77.5°	6.0	9.1	15.1	27.2	36.3	48.4	60.5	69.6	75.6	75.6	72.6
80°	3.0	3.0	12.1	21.2	39.3	51.4	66.5	72.6	81.6	75.6	66.5
82.5°	3.0	3.0	12.1	21.2	36.3	51.4	69.6	78.6	84.7	75.6	63.5
85°	0.0	3.0	9.1	18.1	30.2	36.3	30.2	21.2	12.1	12.1	9.1
87.5°	0.0	0.0	3.0	3.0	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)