

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: P529347

Luminaire Tested: **GALN-SA4C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529347
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-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 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: 16368 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

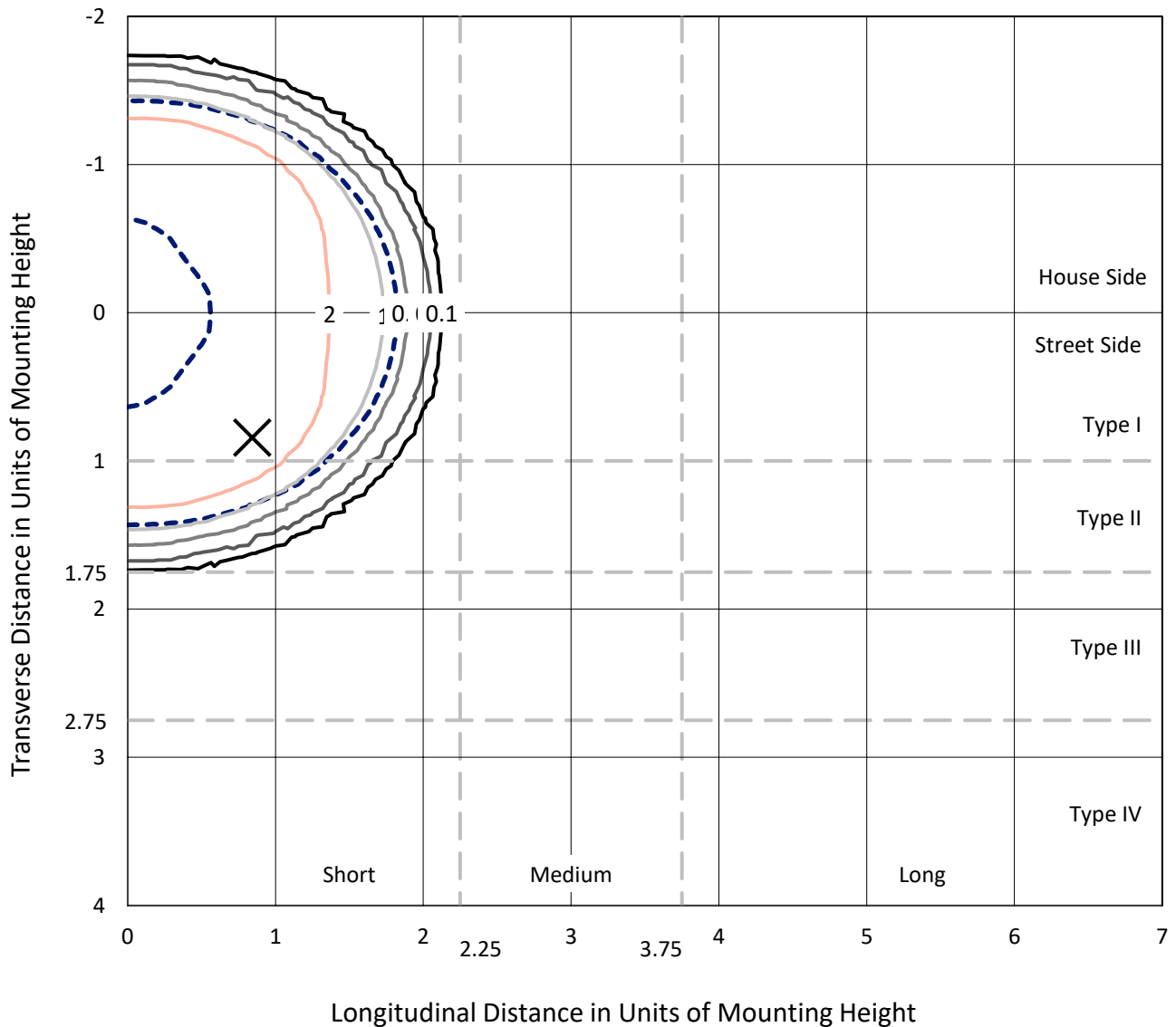
Input Watts (W): 213
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529347
 CATALOG NUMBER: GALN-SA4C-730-U-RW-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

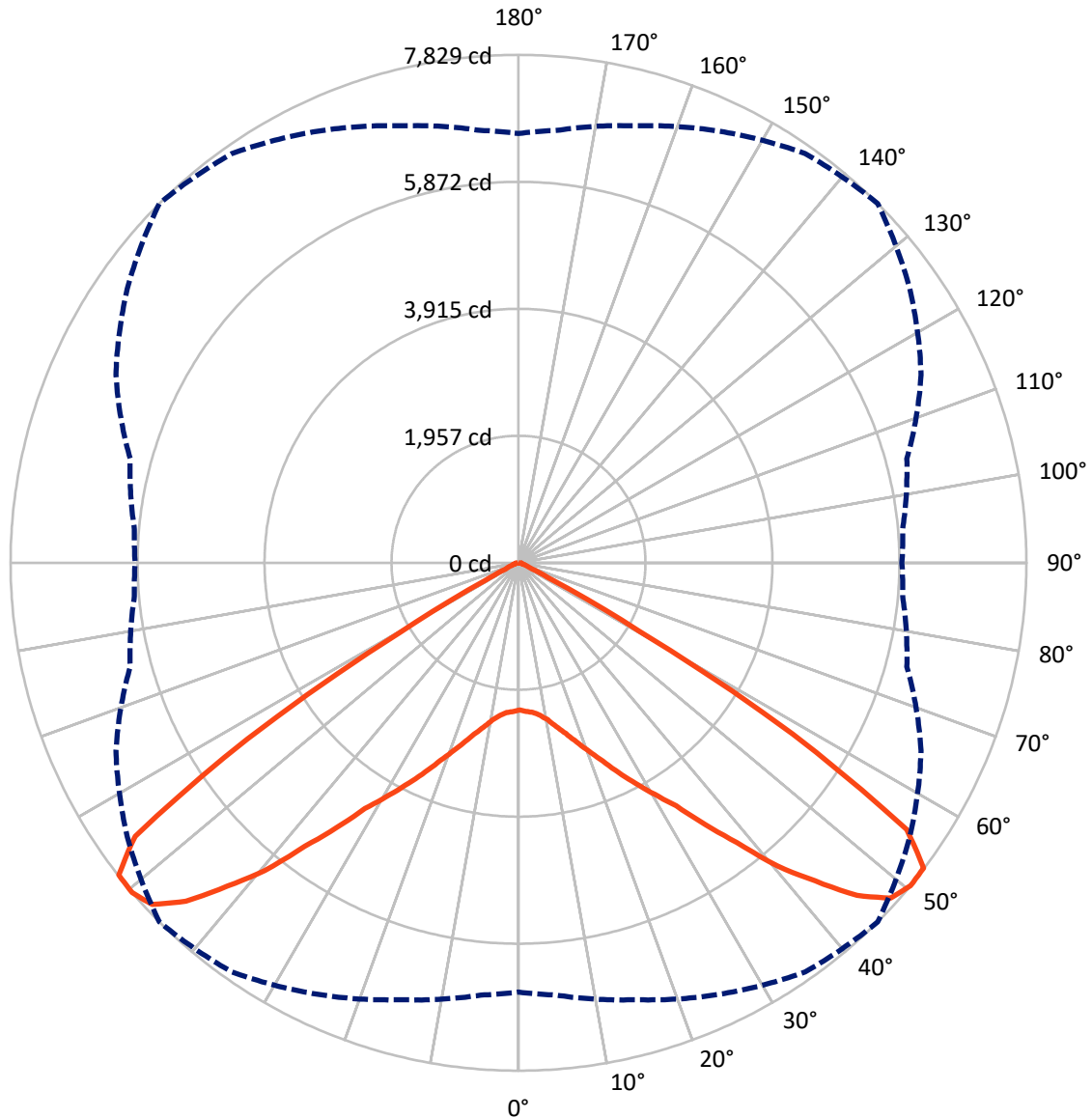
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

REPORT NUMBER: P529347
CATALOG NUMBER: GALN-SA4C-730-U-RW-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P529347
 CATALOG NUMBER: GALN-SA4C-730-U-RW-GRSBK

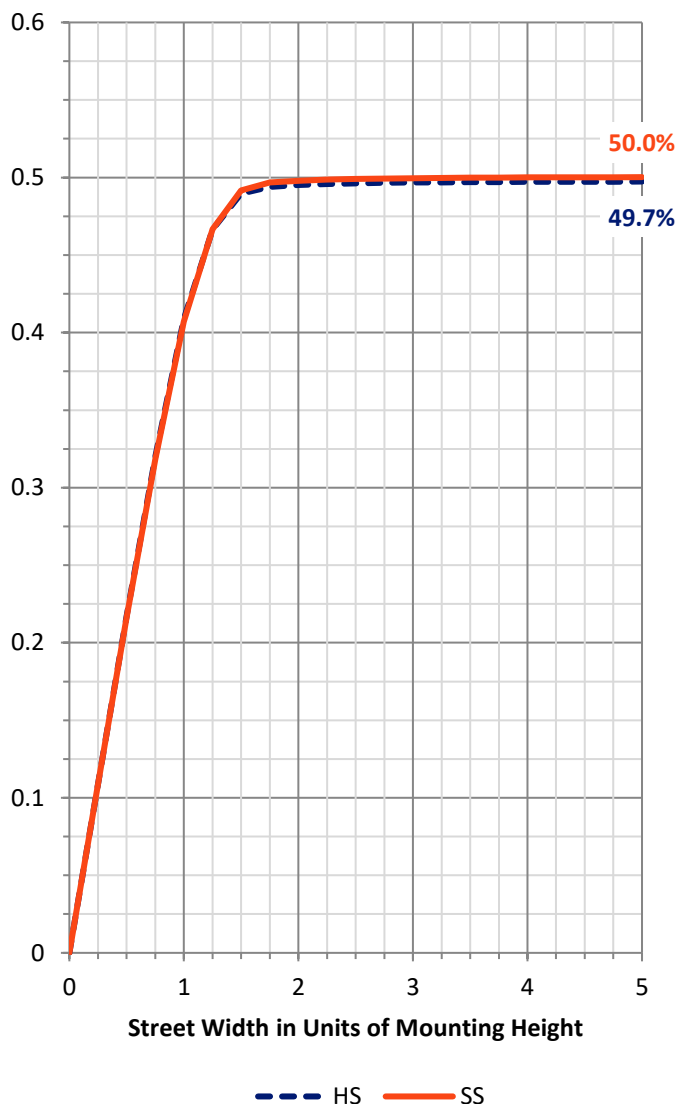
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8184.0	0.0	8184.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8184.0	0.0	8184.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16368.0	0.0	16368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.8	1.4
10°-20°	778.1	4.8
20°-30°	1589.2	9.7
30°-40°	3030.5	18.5
40°-50°	5106.9	31.2
50°-60°	4870.3	29.8
60°-70°	679.9	4.2
70°-80°	65.0	0.4
80°-90°	22.5	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°	16368.0	100.0
0°-180°	16368.0	100.0

Coefficient of Utilization



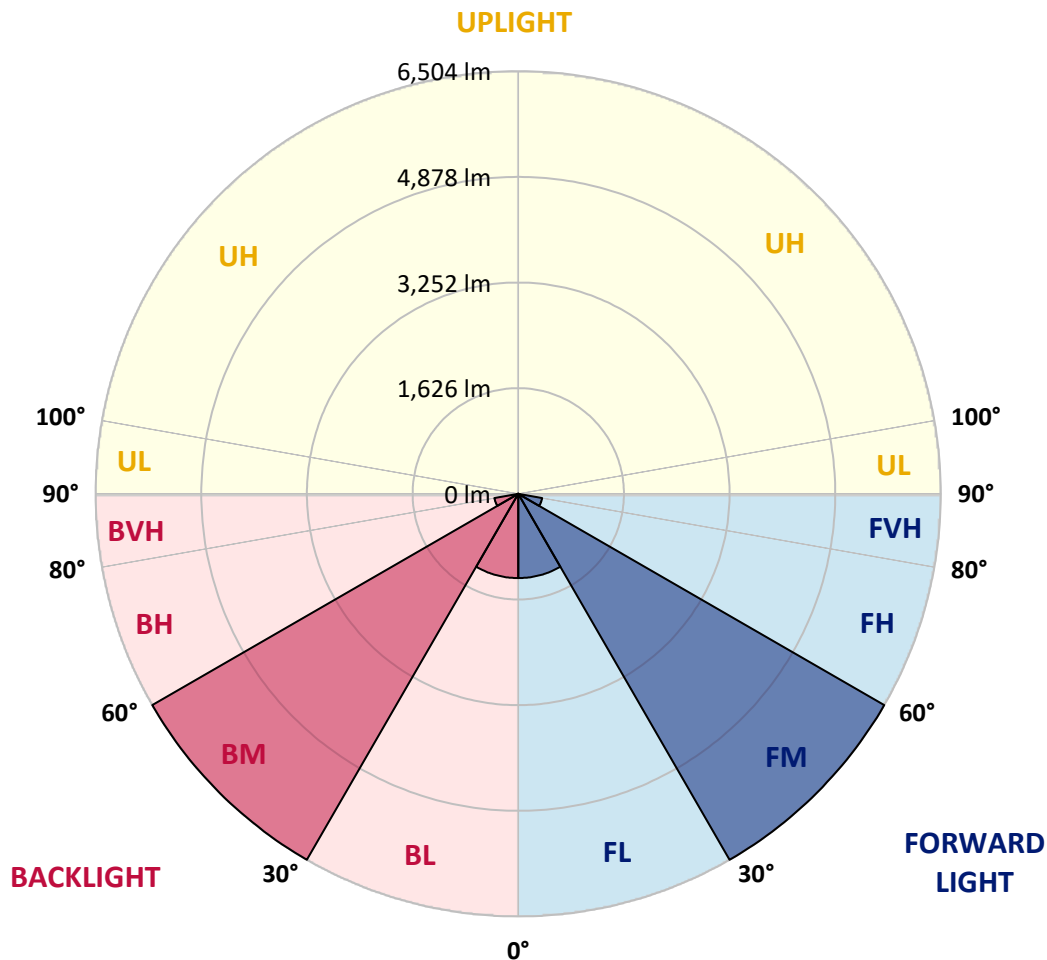
REPORT NUMBER: P529347
 CATALOG NUMBER: GALN-SA4C-730-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.5	7.9			
FM (30°-60°)	6503.8	39.7			
FH (60°-80°)	372.4	2.3			G0/660
FVH (80°-90°)	11.2	0.1			G1/100
BL (0°-30°)	1296.5	7.9	B3/2500		
BM (30°-60°)	6503.8	39.7	B4/8500		
BH (60°-80°)	372.4	2.3	B1/500		G0/660
BVH (80°-90°)	11.2	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





REPORT NUMBER: P529347
 CATALOG NUMBER: GALN-SA4C-730-U-RW-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2	2269.2
2.5°	2261.0	2261.0	2258.2	2280.3	2269.2	2294.0	2291.3	2299.5	2307.8	2305.0	2327.1
5°	2241.7	2238.9	2238.9	2263.7	2288.5	2316.1	2340.8	2357.4	2384.9	2384.9	2412.4
7.5°	2261.0	2247.2	2266.5	2277.5	2324.3	2371.1	2412.4	2445.5	2508.8	2530.9	2522.6
10°	2266.5	2283.0	2296.8	2329.8	2387.7	2459.3	2495.1	2577.7	2649.3	2698.9	2709.9
12.5°	2302.3	2327.1	2365.6	2445.5	2497.8	2591.5	2641.0	2720.9	2820.0	2875.1	2913.7
15°	2371.1	2379.4	2429.0	2530.9	2643.8	2729.2	2806.3	2864.1	2960.5	3023.8	3026.6
17.5°	2459.3	2495.1	2563.9	2660.3	2778.7	2905.4	2966.0	3029.3	3065.1	3150.5	3169.8
20°	2635.5	2641.0	2707.1	2833.8	2982.5	3098.2	3142.2	3175.3	3161.5	3249.6	3266.2
22.5°	2800.8	2806.3	2888.9	3059.6	3219.4	3318.5	3337.8	3318.5	3277.2	3340.5	3346.0
25°	2968.7	3018.3	3078.9	3249.6	3447.9	3580.1	3582.9	3530.5	3445.2	3456.2	3483.7
27.5°	3230.4	3266.2	3329.5	3486.5	3704.0	3852.8	3828.0	3764.6	3654.5	3662.7	3654.5
30°	3536.1	3569.1	3621.4	3822.5	3982.2	4144.7	4180.5	4119.9	3954.7	3918.9	3960.2
32.5°	3905.1	3951.9	4048.3	4232.8	4367.7	4466.9	4491.7	4469.6	4315.4	4301.6	4329.2
35°	4354.0	4417.3	4505.4	4667.9	4778.1	4957.1	4957.1	4882.7	4742.3	4758.8	4756.0
37.5°	4827.6	4921.3	5059.0	5224.2	5372.9	5469.3	5439.0	5375.7	5235.2	5199.4	5235.2
40°	5422.5	5469.3	5642.8	5857.6	6039.4	6149.5	6020.1	5882.4	5546.4	5598.8	5695.1
42.5°	5965.0	6039.4	6171.6	6408.4	6615.0	6705.8	6551.6	6279.0	5874.1	5832.8	5904.4
45°	6427.7	6507.6	6681.0	7019.8	7237.3	7317.2	6975.7	6535.1	6072.4	5967.8	5998.1
47.5°	6736.1	6777.4	7019.8	7342.0	7540.3	7722.0	7231.8	6711.3	6166.1	5967.8	5956.8
50°	6617.7	6689.3	6973.0	7339.2	7700.0	7829.4	7361.3	6846.3	6196.4	5943.0	5909.9
52.5°	5876.9	6000.8	6317.5	6810.5	7355.8	7818.4	7540.3	6802.2	6185.3	5967.8	6017.3
55°	4089.6	4092.3	4477.9	5204.9	6168.8	7259.4	7278.7	6851.8	6256.9	6122.0	6124.8
57.5°	1644.1	1726.7	2021.4	2751.2	3640.7	4984.6	5926.5	6356.1	6265.2	6232.2	6317.5
60°	415.8	418.6	509.5	776.6	1280.6	2137.1	3103.7	4199.8	4835.9	5053.5	5083.8
62.5°	212.1	214.8	236.8	275.4	349.7	572.8	1019.0	1616.6	2299.5	2646.5	2737.4
65°	173.5	173.5	187.3	206.5	209.3	220.3	264.4	377.3	548.0	622.4	630.7
67.5°	132.2	132.2	143.2	154.2	159.7	157.0	151.5	157.0	190.0	181.8	176.3
70°	82.6	85.4	90.9	101.9	107.4	110.2	112.9	118.4	134.9	140.5	134.9
72.5°	49.6	49.6	52.3	60.6	68.8	74.4	82.6	88.1	96.4	110.2	107.4
75°	22.0	22.0	27.5	35.8	44.1	52.3	60.6	68.8	74.4	82.6	85.4
77.5°	5.5	8.3	13.8	24.8	33.0	44.1	55.1	63.3	68.8	68.8	66.1
80°	2.8	2.8	11.0	19.3	35.8	46.8	60.6	66.1	74.4	68.8	60.6
82.5°	2.8	2.8	11.0	19.3	33.0	46.8	63.3	71.6	77.1	68.8	57.8
85°	0.0	2.8	8.3	16.5	27.5	33.0	27.5	19.3	11.0	11.0	8.3
87.5°	0.0	0.0	2.8	2.8	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)