

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: P528224

Luminaire Tested: **GALN-SA3B-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528224
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15300 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

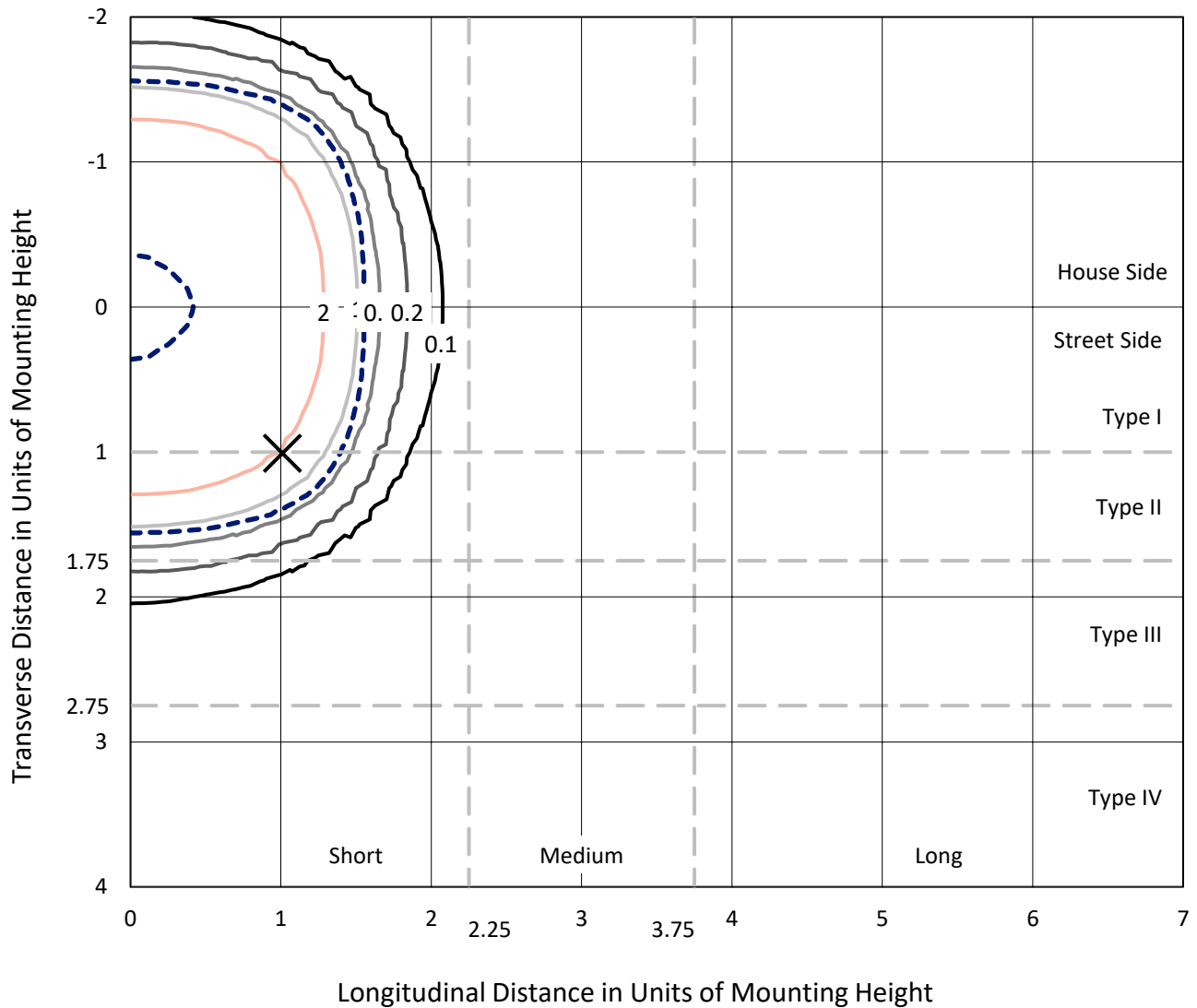
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

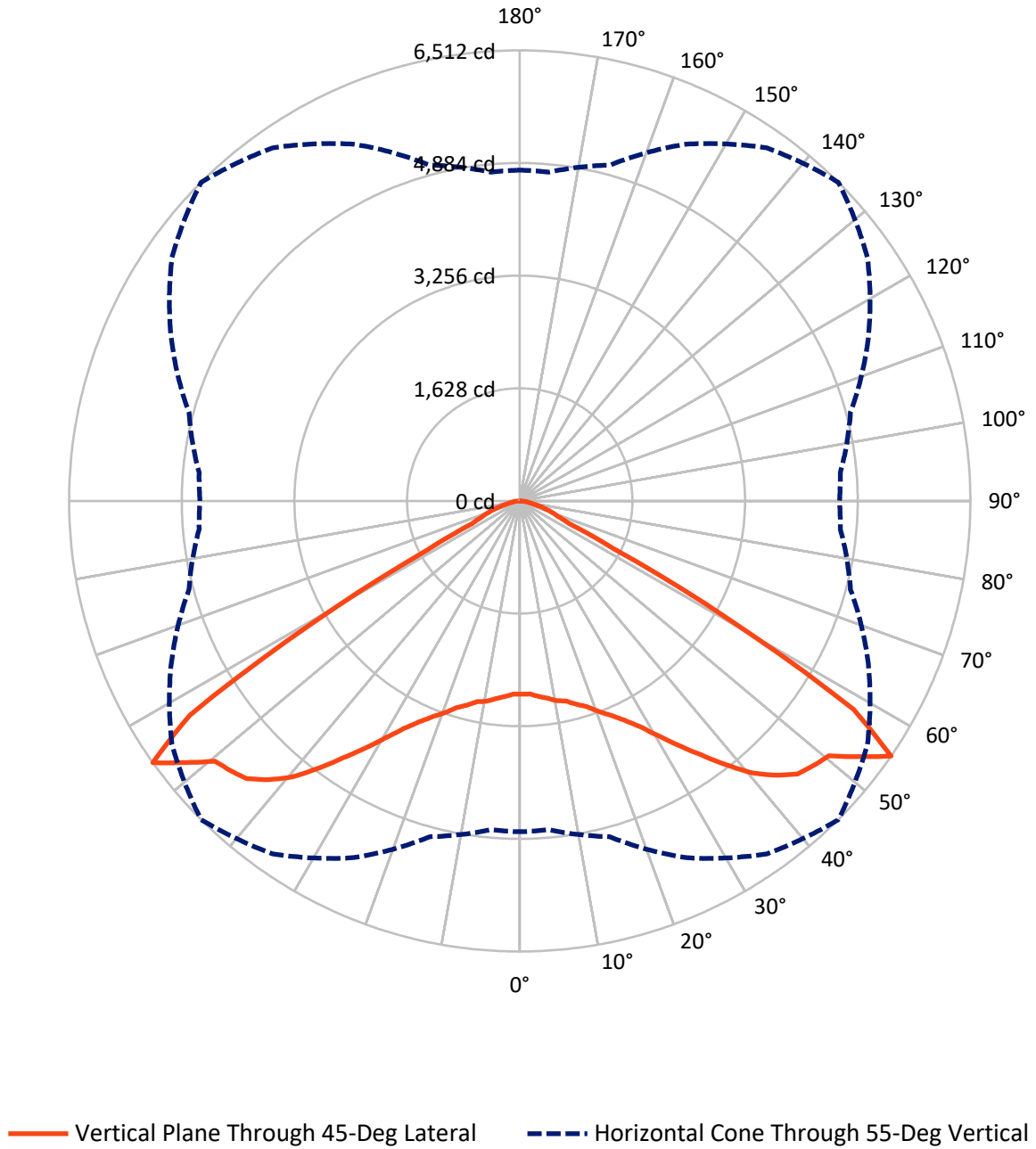
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	7650.0	0.0	7650.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7650.0	0.0	7650.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	15300.0	0.0	15300.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.9	1.8
10°-20°	864.7	5.7
20°-30°	1612.4	10.5
30°-40°	2699.7	17.6
40°-50°	4200.9	27.5
50°-60°	4361.8	28.5
60°-70°	925.0	6.0
70°-80°	304.6	2.0
80°-90°	58.0	0.4
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°	15300.0	100.0
0°-180°	15300.0	100.0

Coefficient of Utilization



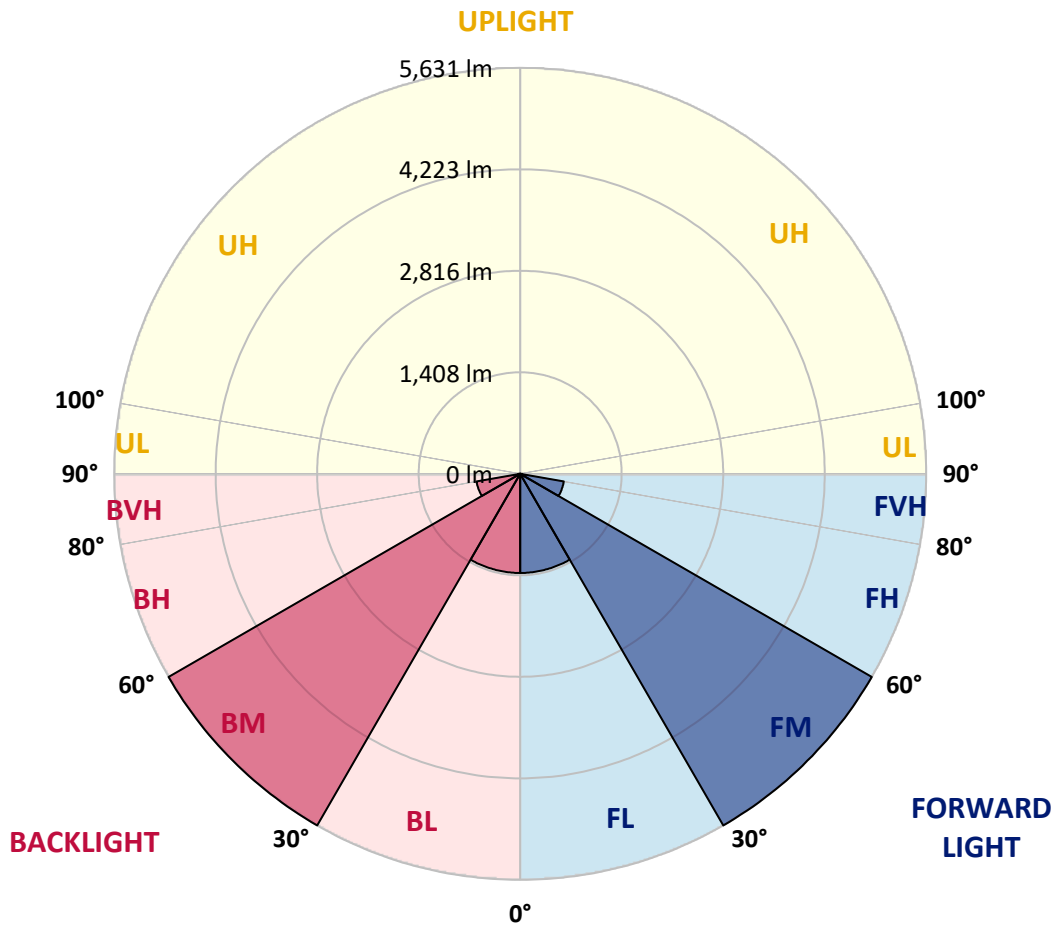
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.0	9.0			
FM (30°-60°)	5631.2	36.8			
FH (60°-80°)	614.8	4.0			G0/660
FVH (80°-90°)	29.0	0.2			G1/100
BL (0°-30°)	1375.0	9.0	B3/2500		
BM (30°-60°)	5631.2	36.8	B4/8500		
BH (60°-80°)	614.8	4.0	B2/1000		G0/660
BVH (80°-90°)	29.0	0.2			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°	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6	2793.6
2.5°	2826.8	2813.9	2791.7	2808.3	2821.3	2793.6	2804.6	2810.2	2806.5	2791.7	2797.2
5°	2867.5	2860.1	2841.6	2854.6	2837.9	2837.9	2826.8	2812.0	2834.2	2830.5	2839.8
7.5°	2867.5	2858.3	2895.2	2871.2	2878.6	2878.6	2860.1	2845.3	2856.4	2839.8	2830.5
10°	2924.8	2937.8	2921.1	2926.7	2923.0	2935.9	2908.2	2898.9	2889.7	2884.1	2873.1
12.5°	2993.2	2984.0	2989.5	2985.8	2998.8	2965.5	2948.9	2928.5	2945.2	2921.1	2937.8
15°	3048.7	3043.1	3048.7	3063.5	3050.5	3048.7	3019.1	2998.8	2972.9	2978.4	2952.5
17.5°	3124.5	3118.9	3120.8	3133.7	3131.9	3122.6	3100.5	3061.6	3052.4	3037.6	3021.0
20°	3237.3	3228.0	3224.3	3229.9	3239.1	3246.5	3202.1	3187.3	3155.9	3131.9	3104.2
22.5°	3333.4	3329.7	3344.5	3320.5	3340.8	3363.0	3320.5	3313.1	3235.4	3222.5	3192.9
25°	3466.5	3461.0	3451.7	3486.9	3510.9	3509.0	3468.4	3427.7	3368.5	3353.7	3353.7
27.5°	3607.0	3575.6	3623.7	3632.9	3675.4	3688.4	3653.2	3594.1	3538.6	3507.2	3514.6
30°	3782.7	3753.1	3764.2	3830.7	3886.2	3934.3	3845.5	3758.6	3681.0	3625.5	3616.3
32.5°	3958.3	3928.7	3962.0	4026.7	4137.6	4209.7	4122.8	3971.2	3880.7	3799.3	3815.9
35°	4100.7	4122.8	4176.5	4274.4	4389.1	4505.5	4366.9	4250.4	4121.0	4030.4	4043.3
37.5°	4329.9	4398.3	4440.8	4553.6	4716.3	4836.5	4692.3	4540.7	4402.0	4283.7	4243.0
40°	4629.4	4675.6	4723.7	4856.8	5049.1	5169.3	5032.5	4834.6	4697.8	4575.8	4570.3
42.5°	4958.5	5002.9	5052.8	5215.5	5330.1	5420.7	5295.0	5189.6	5038.0	4941.9	4936.3
45°	5341.2	5309.8	5365.2	5472.5	5568.6	5627.8	5546.4	5494.7	5385.6	5296.8	5287.6
47.5°	5596.3	5568.6	5668.5	5764.6	5779.4	5714.7	5731.3	5779.4	5664.8	5518.7	5564.9
50°	5744.3	5744.3	5810.8	5899.6	5871.8	5788.6	5919.9	5923.6	5809.0	5679.5	5679.5
52.5°	5487.3	5544.6	5733.2	6023.4	6115.9	6139.9	6110.3	5984.6	5685.1	5420.7	5407.8
55°	4781.0	4768.1	5023.2	5688.8	6226.8	6511.5	6134.4	5555.7	4947.4	4649.8	4620.2
57.5°	3109.7	3124.5	3505.3	4183.9	5154.5	5685.1	5049.1	4235.6	3505.3	3094.9	3133.7
60°	1399.5	1449.5	1680.6	2187.1	3021.0	3453.6	3028.4	2298.1	1763.8	1530.8	1551.2
62.5°	804.2	813.5	822.7	976.2	1286.8	1521.6	1336.7	1031.6	909.6	868.9	868.9
65°	678.5	673.0	674.8	687.8	721.0	769.1	748.8	721.0	724.7	721.0	715.5
67.5°	576.8	584.2	578.7	587.9	589.8	597.2	610.1	621.2	623.0	626.7	623.0
70°	473.3	475.1	478.8	486.2	488.1	493.6	512.1	521.4	526.9	526.9	534.3
72.5°	362.4	360.5	364.2	371.6	380.9	382.7	399.3	412.3	419.7	410.4	412.3
75°	238.5	240.3	245.9	251.4	264.4	277.3	282.9	295.8	297.7	301.4	292.1
77.5°	142.4	146.1	151.6	162.7	173.8	184.9	197.8	207.1	210.8	207.1	196.0
80°	92.4	92.4	99.8	109.1	122.0	131.3	138.7	146.1	151.6	146.1	142.4
82.5°	57.3	57.3	66.6	77.7	86.9	92.4	103.5	112.8	118.3	114.6	109.1
85°	29.6	31.4	38.8	48.1	55.5	59.2	57.3	51.8	46.2	44.4	40.7
87.5°	9.2	9.2	11.1	11.1	9.2	9.2	11.1	9.2	11.1	11.1	11.1
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)