

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: P528278

Luminaire Tested: **GALN-SA3B-760-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3B-760-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14411 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

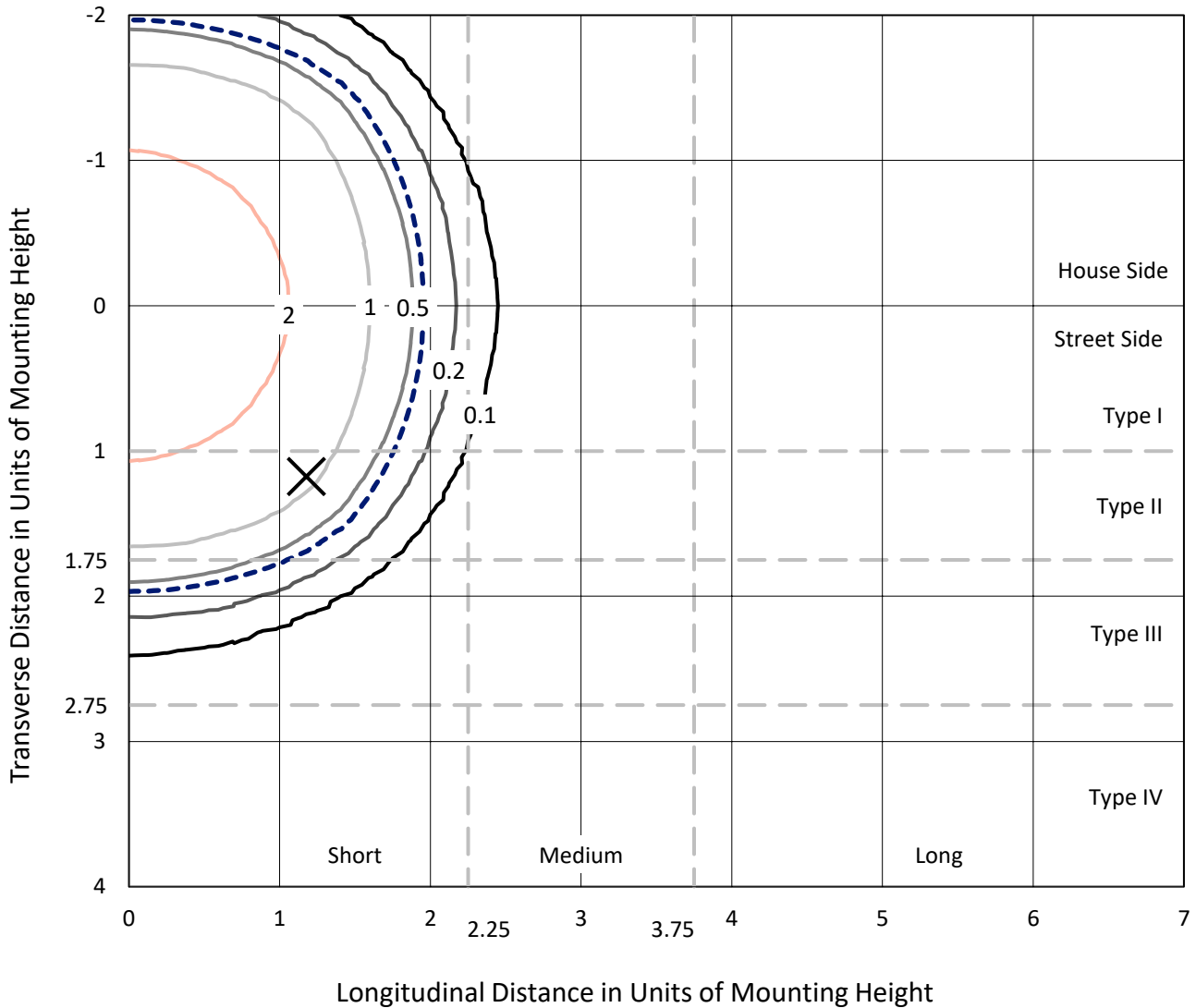
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

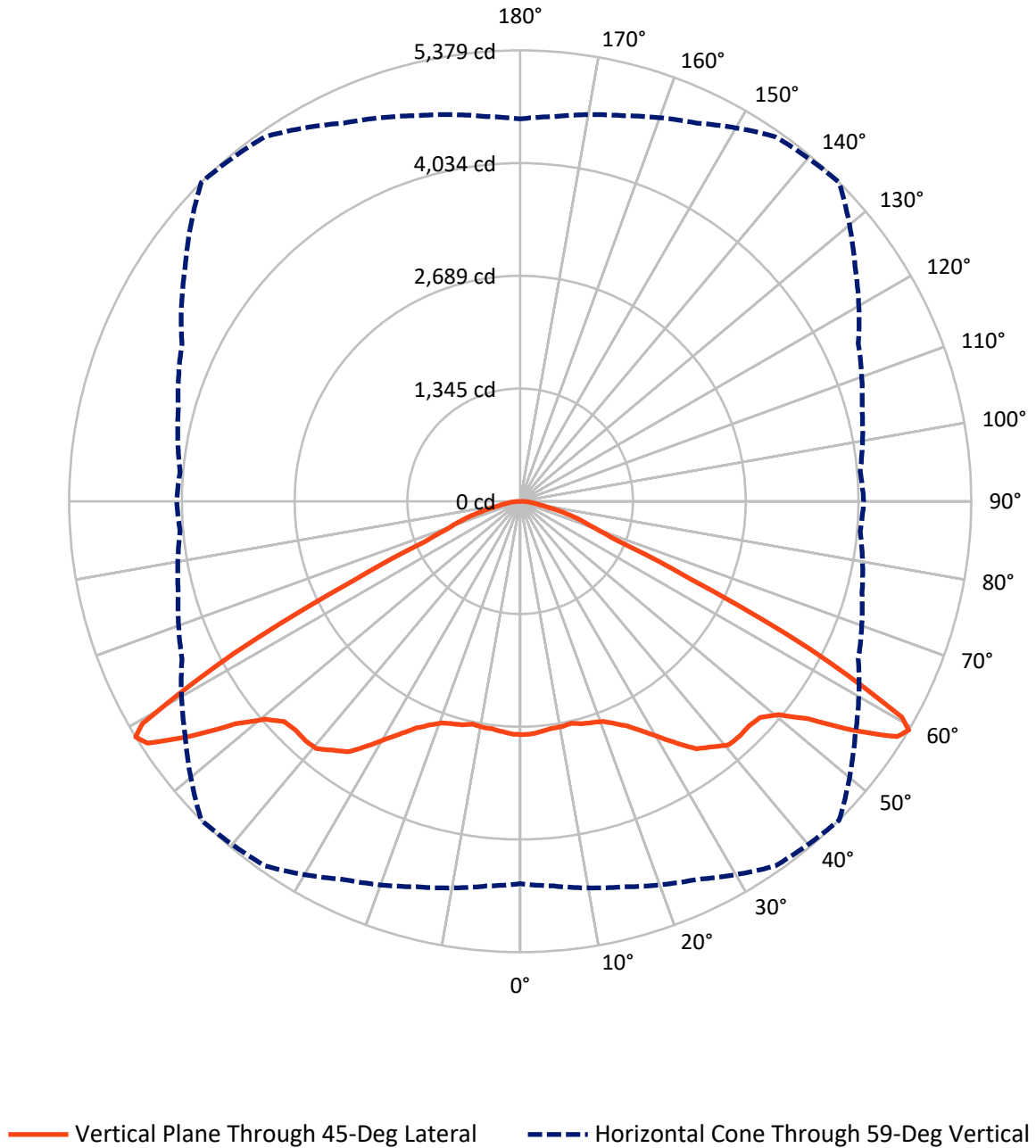
✕ Max cd
 - - - 1/2 Max cd



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	7205.5	0.0	7205.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7205.5	0.0	7205.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14411.0	0.0	14411.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	1.8
10°-20°	780.3	5.4
20°-30°	1362.5	9.5
30°-40°	2176.2	15.1
40°-50°	2964.4	20.6
50°-60°	4008.6	27.8
60°-70°	2198.3	15.3
70°-80°	562.4	3.9
80°-90°	95.9	0.7
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°	14411.0	100.0
0°-180°	14411.0	100.0



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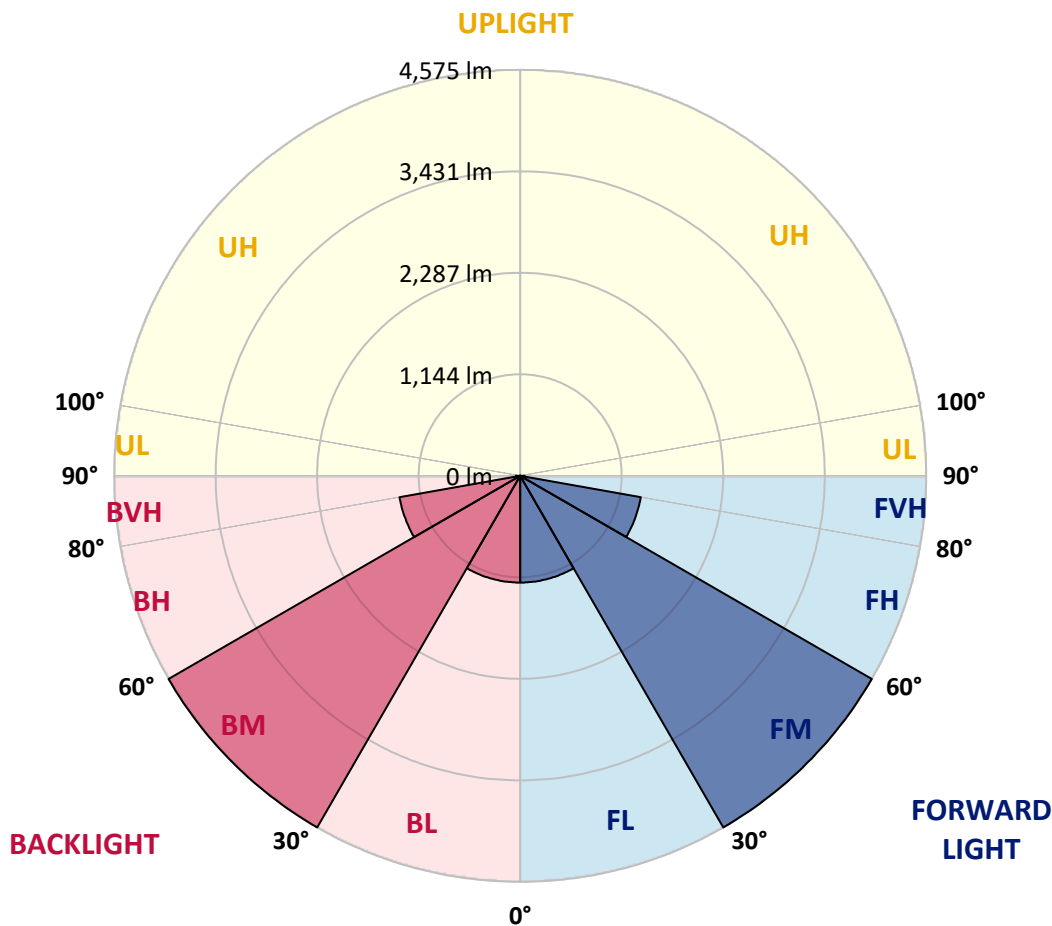
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.6	8.3			
FM (30°-60°)	4574.6	31.7			
FH (60°-80°)	1380.4	9.6			G1/1800
FVH (80°-90°)	48.0	0.3			G1/100
BL (0°-30°)	1202.6	8.3	B3/2500		
BM (30°-60°)	4574.6	31.7	B3/5000		
BH (60°-80°)	1380.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	48.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5	2783.5
2.5°	2766.9	2787.2	2772.4	2785.4	2783.5	2778.0	2768.7	2763.2	2755.8	2766.9	2748.4
5°	2755.8	2772.4	2789.1	2766.9	2766.9	2755.8	2750.3	2739.2	2739.2	2737.3	2735.5
7.5°	2774.3	2757.7	2750.3	2754.0	2757.7	2733.6	2750.3	2728.1	2709.6	2722.6	2737.3
10°	2757.7	2765.0	2737.3	2750.3	2730.0	2733.6	2722.6	2737.3	2717.0	2717.0	2717.0
12.5°	2774.3	2754.0	2763.2	2754.0	2748.4	2717.0	2731.8	2715.2	2713.3	2731.8	2715.2
15°	2807.5	2774.3	2766.9	2748.4	2754.0	2754.0	2739.2	2741.0	2720.7	2731.8	2735.5
17.5°	2796.4	2778.0	2772.4	2750.3	2768.7	2774.3	2746.6	2728.1	2741.0	2739.2	2737.3
20°	2805.7	2813.1	2807.5	2811.2	2818.6	2803.8	2778.0	2752.1	2735.5	2759.5	2757.7
22.5°	2864.8	2857.4	2853.7	2850.0	2862.9	2877.7	2842.6	2802.0	2802.0	2818.6	2826.0
25°	2912.8	2911.0	2909.1	2925.7	2970.1	2970.1	2925.7	2874.0	2861.1	2872.2	2862.9
27.5°	2983.0	3003.3	2995.9	3025.5	3090.1	3104.9	3045.8	2984.8	2949.8	2936.8	2953.4
30°	3143.7	3119.7	3125.2	3156.6	3213.9	3261.9	3171.4	3106.8	3058.7	3056.9	3064.3
32.5°	3250.8	3269.3	3285.9	3315.5	3406.0	3442.9	3333.9	3228.7	3199.1	3182.5	3188.0
35°	3465.1	3448.5	3444.8	3474.3	3564.8	3625.8	3489.1	3396.7	3358.0	3394.9	3394.9
37.5°	3668.3	3622.1	3587.0	3625.8	3708.9	3716.3	3599.9	3550.0	3529.7	3572.2	3570.4
40°	3764.3	3760.6	3679.3	3701.5	3812.3	3823.4	3714.4	3655.3	3651.6	3707.0	3762.5
42.5°	3864.0	3829.0	3747.7	3762.5	3830.8	3834.5	3731.1	3714.4	3755.1	3808.6	3812.3
45°	3880.7	3851.1	3799.4	3762.5	3812.3	3823.4	3762.5	3773.5	3777.2	3841.9	3841.9
47.5°	3913.9	3910.2	3880.7	3853.0	3862.2	3853.0	3814.2	3830.8	3886.2	3917.6	3902.8
50°	4006.3	3967.5	3997.0	3973.0	3974.9	4000.7	3965.6	3982.3	3971.2	3943.5	3925.0
52.5°	4209.4	4191.0	4216.8	4233.5	4251.9	4311.0	4270.4	4181.7	4098.6	4024.7	4022.9
55°	4506.8	4519.8	4569.6	4654.6	4726.6	4820.8	4625.0	4412.6	4279.6	4163.3	4170.7
57.5°	4787.6	4778.3	4846.7	5040.6	5251.2	5299.2	4915.0	4612.1	4396.0	4322.1	4290.7
59°	4562.2	4606.6	4761.7	4977.8	5308.4	5378.6	4876.2	4449.6	4220.5	4070.9	4096.8
60°	4207.6	4224.2	4362.8	4663.8	5110.8	5230.9	4615.8	4198.4	3893.6	3806.8	3845.6
62.5°	2973.8	2960.8	3060.6	3306.2	3707.0	3869.6	3431.8	3138.2	2946.1	2850.0	2872.2
65°	1581.1	1640.2	1680.8	1834.1	2046.5	2218.3	2037.3	1909.9	1802.7	1723.3	1721.5
67.5°	1067.6	1060.2	1069.4	1104.5	1176.6	1224.6	1220.9	1156.3	1147.0	1132.2	1148.9
70°	899.5	895.8	879.2	879.2	894.0	905.1	918.0	925.4	940.2	958.6	956.8
72.5°	729.6	720.4	709.3	703.7	722.2	727.7	744.4	751.8	764.7	762.8	779.5
75°	482.1	482.1	495.0	509.8	515.3	526.4	528.3	550.4	550.4	554.1	539.3
77.5°	269.7	262.3	271.5	286.3	299.2	319.5	339.9	356.5	365.7	362.0	362.0
80°	157.0	157.0	166.2	182.9	199.5	218.0	232.7	245.7	254.9	251.2	243.8
82.5°	97.9	97.9	107.1	123.8	136.7	147.8	168.1	184.7	195.8	192.1	182.9
85°	49.9	49.9	61.0	72.0	88.7	96.0	94.2	86.8	85.0	75.7	75.7
87.5°	12.9	12.9	18.5	20.3	16.6	18.5	18.5	18.5	18.5	18.5	20.3
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)