

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: P528196

Luminaire Tested: **GALN-SA3B-735-U-5MQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-735-U-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13967 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

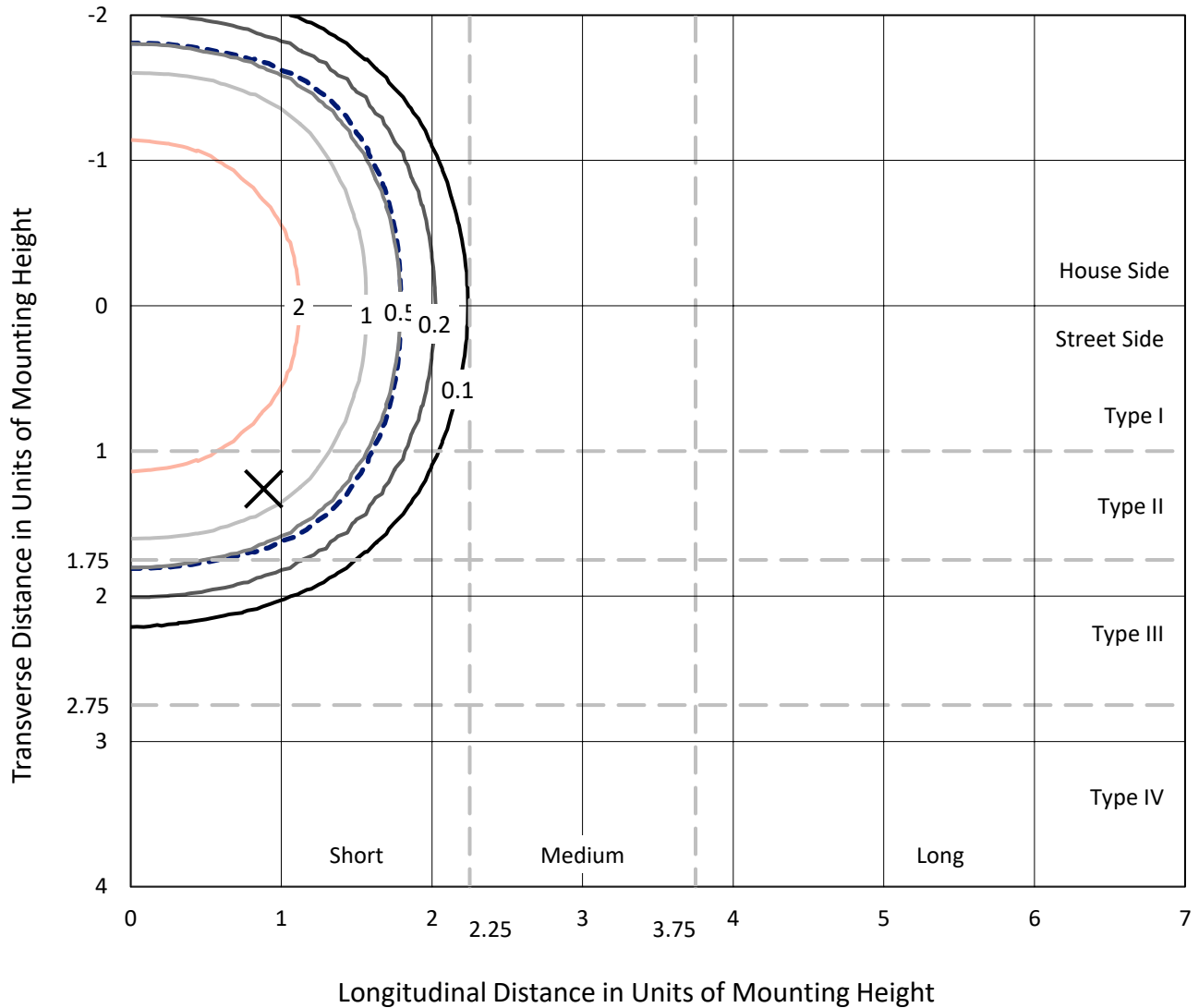
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

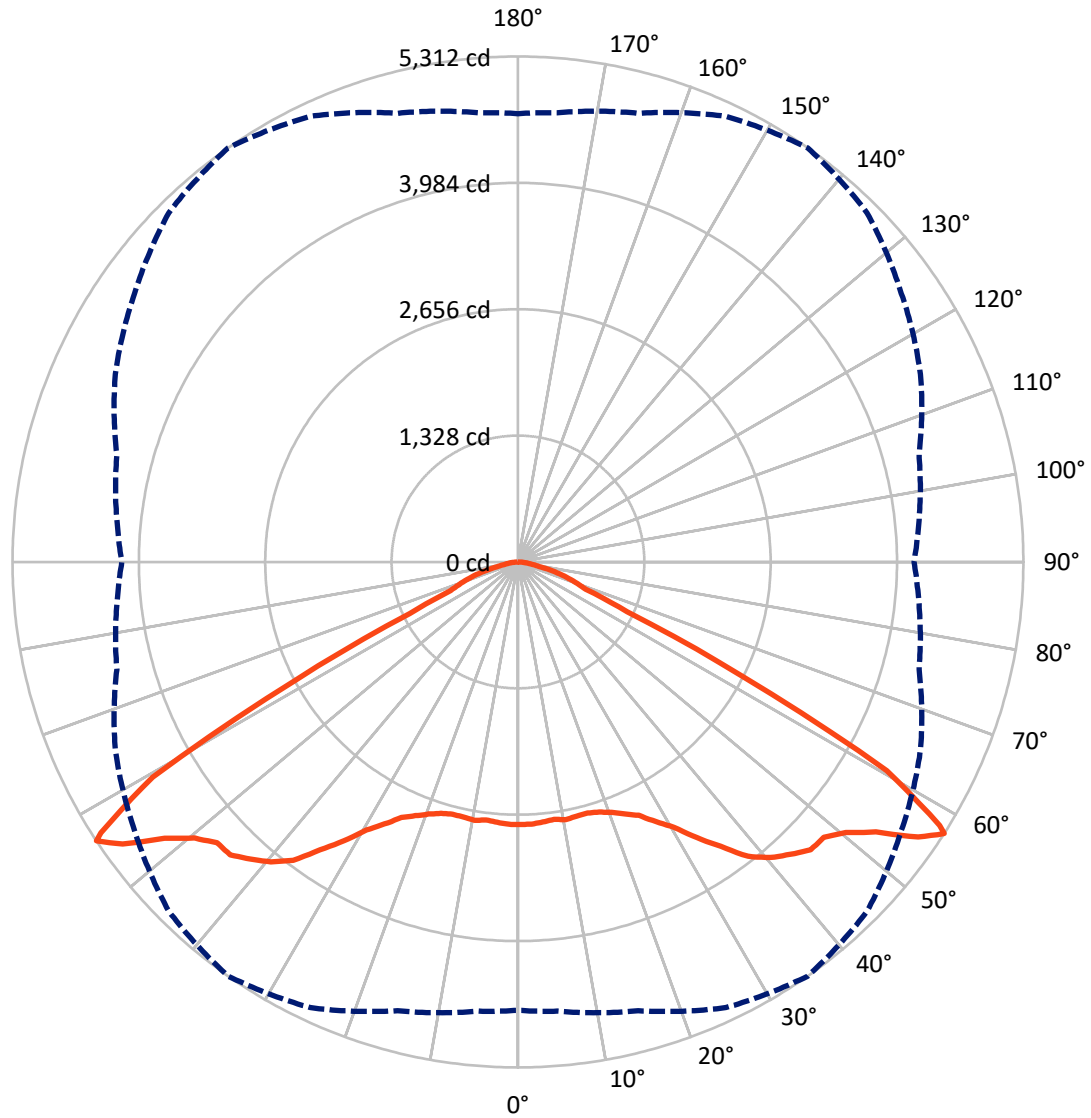
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6983.5	0.0	6983.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6983.5	0.0	6983.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13967.0	0.0	13967.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.5	1.9
10°-20°	774.5	5.5
20°-30°	1352.7	9.7
30°-40°	2216.4	15.9
40°-50°	3249.7	23.3
50°-60°	4093.3	29.3
60°-70°	1539.4	11.0
70°-80°	409.3	2.9
80°-90°	70.2	0.5
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°	13967.0	100.0
0°-180°	13967.0	100.0



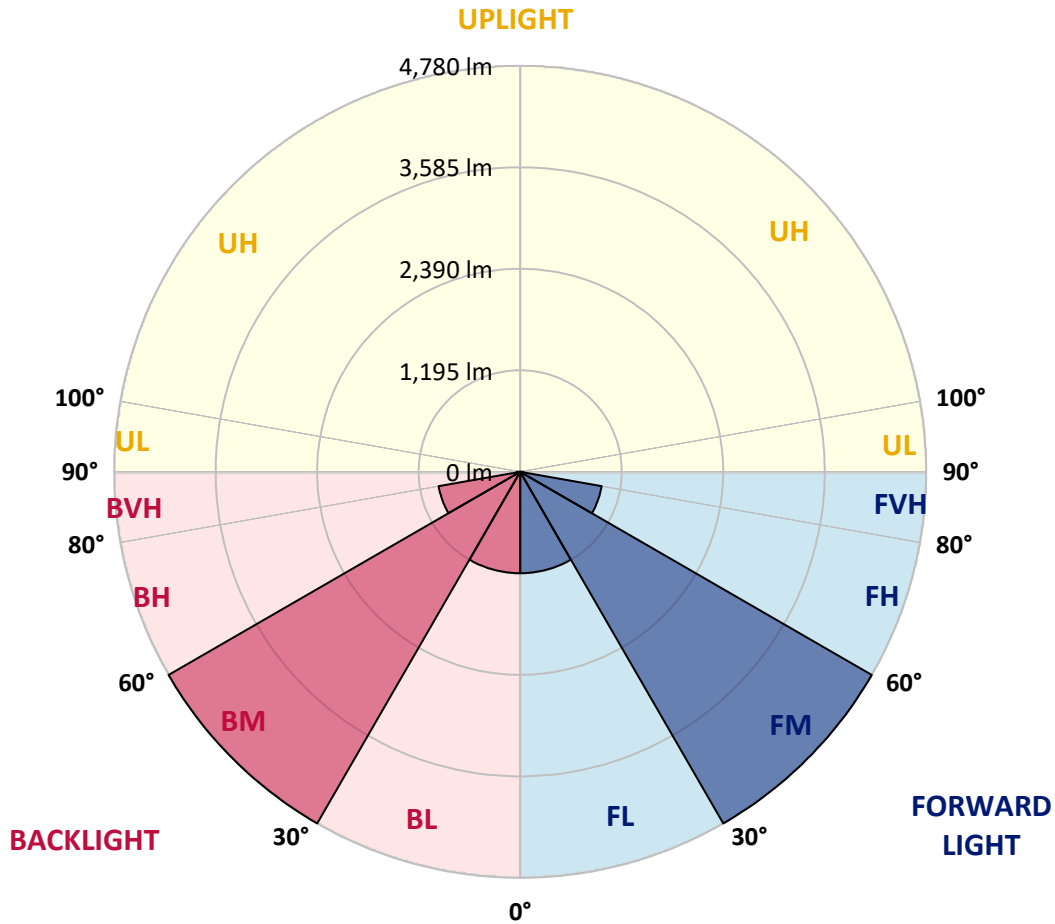
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1194.3	8.6			
FM (30°-60°)	4779.7	34.2			
FH (60°-80°)	974.4	7.0			G1/1800
FVH (80°-90°)	35.1	0.3			G1/100
BL (0°-30°)	1194.3	8.6	B3/2500		
BM (30°-60°)	4779.7	34.2	B3/5000		
BH (60°-80°)	974.4	7.0	B2/1000		G1/1800
BVH (80°-90°)	35.1	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°	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4	2758.4
2.5°	2744.6	2772.1	2760.1	2753.2	2758.4	2749.8	2736.0	2751.5	2748.1	2734.3	2729.1
5°	2737.7	2758.4	2744.6	2758.4	2744.6	2768.7	2761.8	2736.0	2767.0	2737.7	2748.1
7.5°	2732.6	2739.5	2742.9	2736.0	2730.8	2760.1	2744.6	2732.6	2715.4	2710.2	2718.8
10°	2720.5	2737.7	2711.9	2746.3	2753.2	2732.6	2732.6	2710.2	2696.4	2687.8	2717.1
12.5°	2751.5	2722.2	2718.8	2736.0	2741.2	2749.8	2725.7	2713.6	2687.8	2691.3	2686.1
15°	2715.4	2727.4	2729.1	2732.6	2737.7	2758.4	2736.0	2710.2	2699.9	2663.7	2667.2
17.5°	2729.1	2717.1	2729.1	2768.7	2761.8	2777.3	2753.2	2713.6	2689.5	2668.9	2696.4
20°	2753.2	2748.1	2753.2	2801.4	2810.0	2823.8	2803.1	2767.0	2720.5	2696.4	2710.2
22.5°	2779.0	2775.6	2779.0	2825.5	2875.4	2892.6	2871.9	2787.6	2763.5	2718.8	2703.3
25°	2825.5	2828.9	2865.1	2916.7	2949.4	2982.1	2944.2	2884.0	2806.6	2779.0	2746.3
27.5°	2928.7	2937.3	2958.0	3033.7	3090.5	3119.7	3066.4	2983.8	2935.6	2878.8	2870.2
30°	3056.1	3056.1	3092.2	3157.6	3235.0	3279.8	3214.4	3116.3	3057.8	3026.8	3007.9
32.5°	3224.7	3205.8	3219.5	3334.8	3455.3	3493.1	3405.4	3284.9	3192.0	3150.7	3136.9
35°	3369.2	3381.3	3412.3	3536.2	3670.4	3758.1	3620.5	3463.9	3369.2	3331.4	3324.5
37.5°	3556.8	3577.5	3592.9	3763.3	3925.1	3957.7	3825.3	3699.6	3584.3	3553.4	3536.2
40°	3821.8	3808.0	3813.2	3938.8	4085.1	4105.7	3975.0	3885.5	3790.8	3771.9	3771.9
42.5°	4040.3	4024.9	4042.1	4088.5	4200.4	4184.9	4112.6	4047.2	4007.7	3987.0	4007.7
45°	4172.8	4169.4	4200.4	4234.8	4313.9	4262.3	4205.5	4215.9	4178.0	4143.6	4141.9
47.5°	4317.4	4295.0	4332.9	4384.5	4324.3	4300.2	4296.7	4319.1	4307.1	4246.8	4227.9
50°	4387.9	4379.3	4439.6	4499.8	4467.1	4412.0	4424.1	4460.2	4305.3	4224.5	4178.0
52.5°	4577.2	4578.9	4694.2	4726.9	4713.2	4632.3	4658.1	4560.0	4377.6	4264.0	4269.2
55°	4874.9	4862.9	4991.9	5088.3	5103.8	5000.5	4876.6	4739.0	4510.1	4394.8	4360.4
57°	4711.4	4739.0	4881.8	5167.4	5312.0	5189.8	4919.7	4668.4	4363.8	4224.5	4162.5
57.5°	4492.9	4537.6	4785.4	5072.8	5224.2	5213.9	4866.3	4537.6	4265.8	4049.0	4054.1
60°	3291.8	3300.4	3524.1	3980.1	4453.3	4463.7	4040.3	3605.0	3302.1	3066.4	3099.1
62.5°	1736.2	1775.8	1865.3	2231.8	2641.4	2741.2	2484.8	2261.1	1999.5	1820.6	1837.8
65°	918.9	913.7	956.7	1060.0	1261.3	1312.9	1278.5	1101.3	1010.1	980.8	982.6
67.5°	746.8	755.4	750.3	755.4	769.2	791.5	786.4	793.3	798.4	807.0	805.3
70°	633.2	633.2	636.7	638.4	638.4	648.7	660.8	683.1	684.9	693.5	696.9
72.5°	499.0	495.6	500.7	512.8	514.5	523.1	540.3	554.1	559.2	559.2	548.9
75°	339.0	342.4	349.3	359.6	370.0	385.5	399.2	407.8	411.3	406.1	400.9
77.5°	191.0	194.4	199.6	215.1	227.1	240.9	256.4	265.0	273.6	275.3	265.0
80°	113.6	113.6	122.2	134.2	148.0	161.8	175.5	185.8	189.3	189.3	184.1
82.5°	68.8	70.6	77.4	89.5	101.5	110.1	122.2	130.8	137.7	135.9	132.5
85°	36.1	36.1	43.0	53.3	61.9	70.6	70.6	65.4	61.9	53.3	49.9
87.5°	12.0	10.3	13.8	13.8	12.0	13.8	13.8	15.5	15.5	15.5	15.5
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)