

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: P531007

Luminaire Tested: **GALN-SA6B-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16396 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

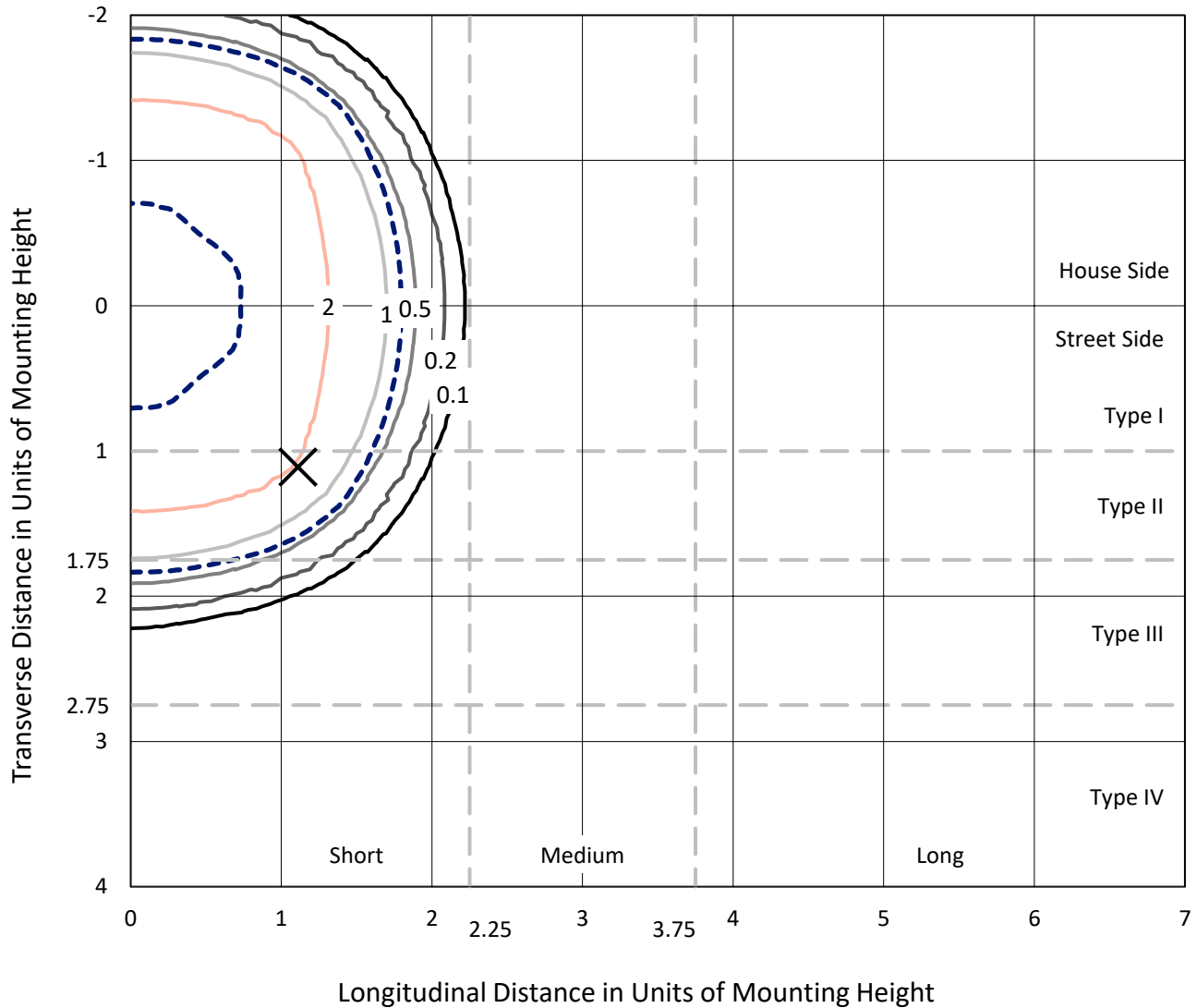
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

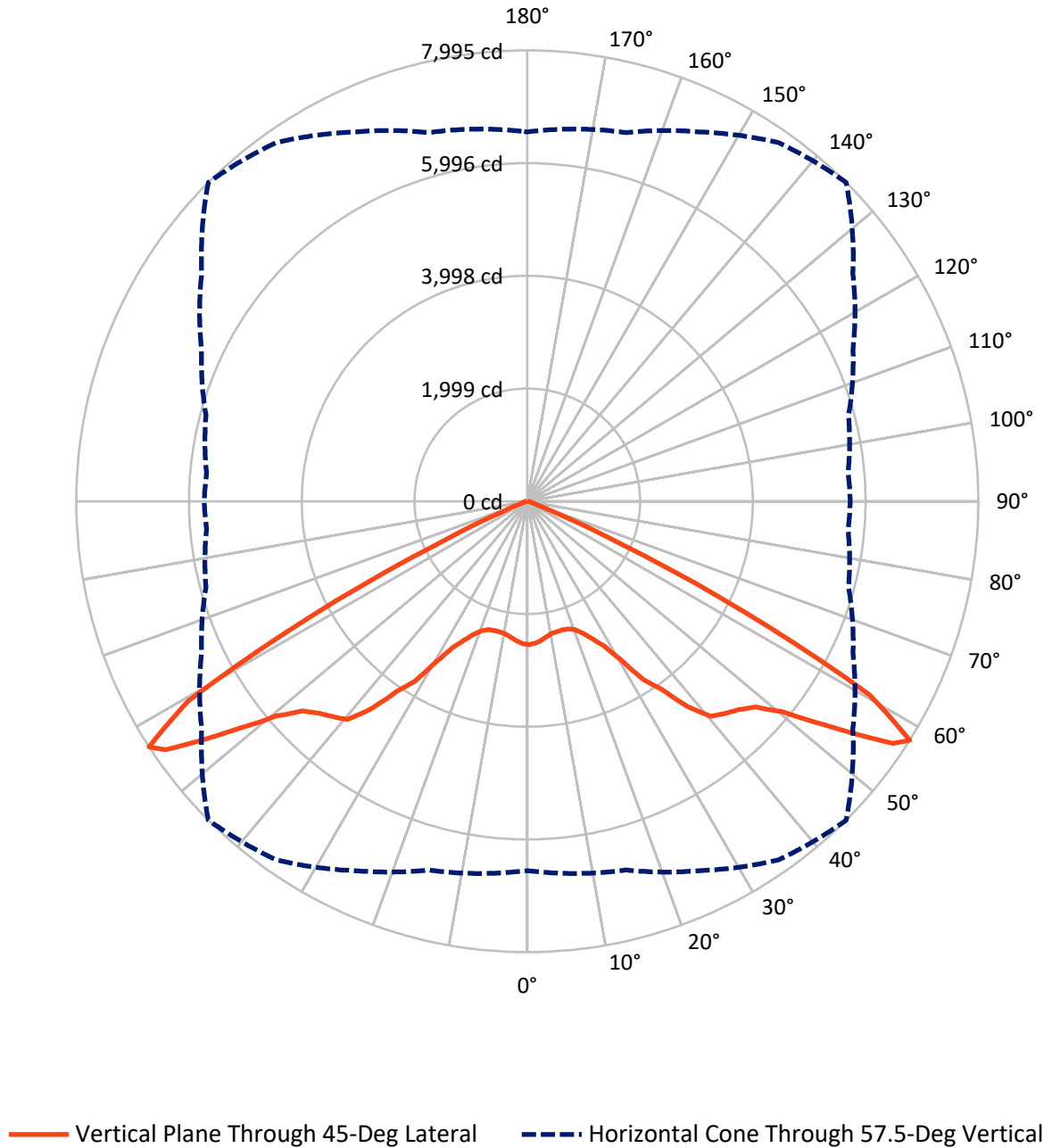
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot





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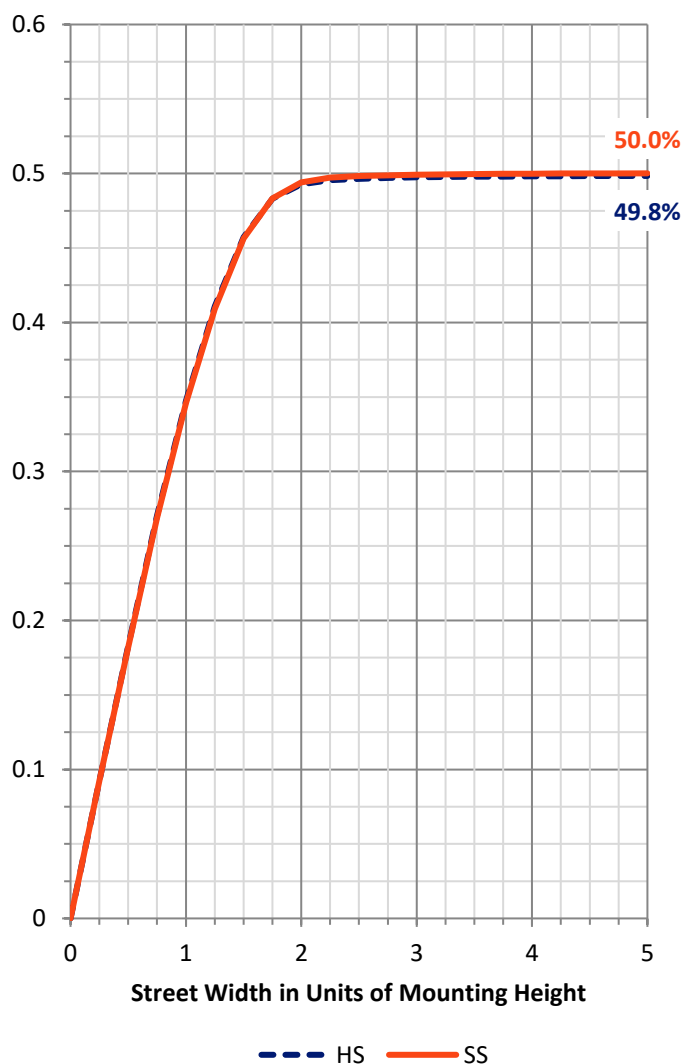
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8198.0	0.0	8198.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8198.0	0.0	8198.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16396.0	0.0	16396.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.7	1.4
10°-20°	675.5	4.1
20°-30°	1246.9	7.6
30°-40°	2452.2	15.0
40°-50°	3994.0	24.4
50°-60°	5695.9	34.7
60°-70°	1972.1	12.0
70°-80°	105.8	0.6
80°-90°	19.9	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°	16396.0	100.0
0°-180°	16396.0	100.0

Coefficient of Utilization

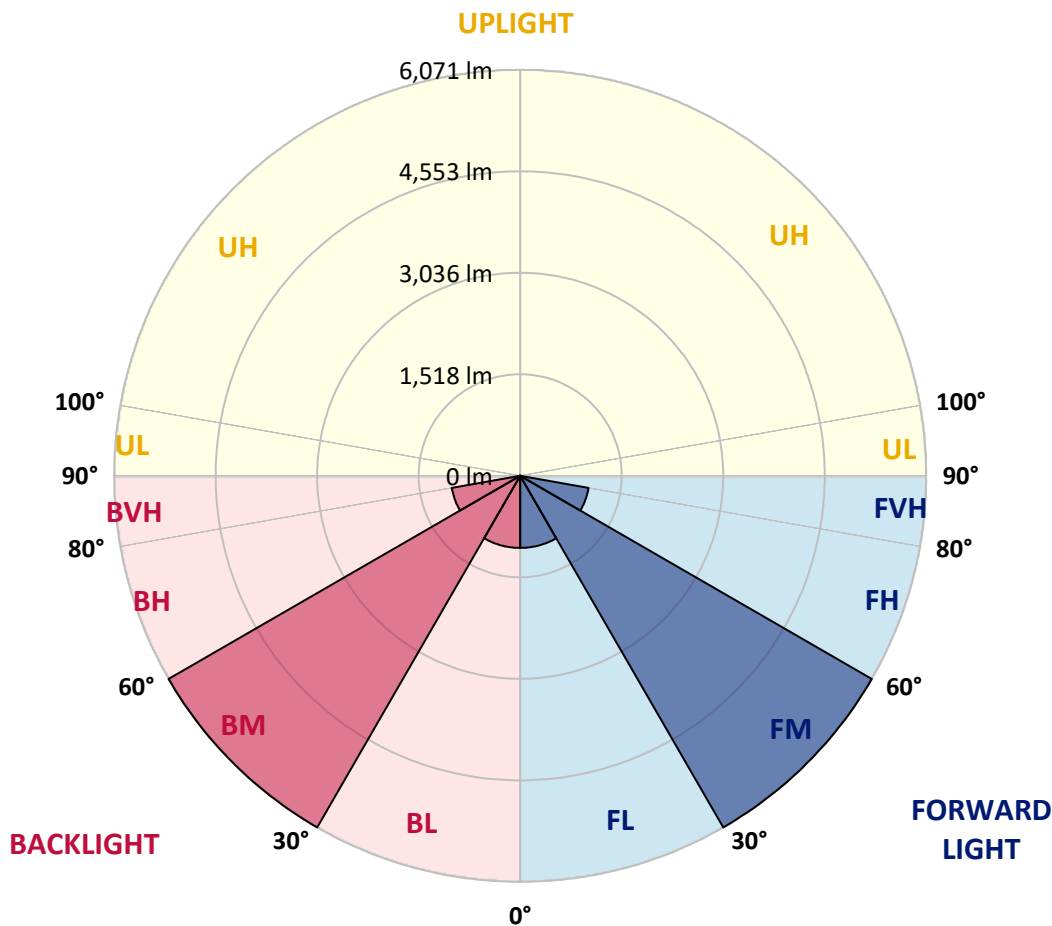


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1078.1	6.6			
FM (30°-60°)	6071.1	37.0			
FH (60°-80°)	1038.9	6.3			G1/1800
FVH (80°-90°)	9.9	0.1			G0/10
BL (0°-30°)	1078.1	6.6	B3/2500		
BM (30°-60°)	6071.1	37.0	B4/8500		
BH (60°-80°)	1038.9	6.3	B3/2500		G1/1800
BVH (80°-90°)	9.9	0.1			G0/10
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°	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2	2543.2
2.5°	2536.4	2550.0	2532.9	2526.1	2522.7	2522.7	2512.4	2512.4	2509.0	2512.4	2498.8
5°	2495.3	2509.0	2509.0	2505.6	2485.1	2481.7	2471.4	2464.6	2468.0	2454.3	2464.6
7.5°	2454.3	2464.6	2450.9	2447.5	2440.6	2427.0	2423.6	2392.8	2396.2	2396.2	2403.0
10°	2447.5	2444.1	2423.6	2406.5	2386.0	2382.5	2372.3	2365.4	2365.4	2362.0	2372.3
12.5°	2447.5	2430.4	2427.0	2389.4	2355.2	2368.9	2341.5	2324.4	2348.4	2355.2	2368.9
15°	2444.1	2461.2	2403.0	2386.0	2362.0	2365.4	2341.5	2324.4	2338.1	2344.9	2355.2
17.5°	2464.6	2454.3	2437.2	2403.0	2392.8	2379.1	2348.4	2334.7	2334.7	2351.8	2355.2
20°	2519.3	2491.9	2457.7	2440.6	2450.9	2433.8	2396.2	2344.9	2358.6	2372.3	2382.5
22.5°	2570.5	2550.0	2526.1	2515.8	2574.0	2546.6	2481.7	2423.6	2403.0	2427.0	2444.1
25°	2669.7	2669.7	2625.2	2638.9	2703.8	2707.3	2632.1	2529.5	2515.8	2526.1	2532.9
27.5°	2871.3	2881.6	2844.0	2857.7	2885.0	2908.9	2844.0	2758.5	2727.8	2724.4	2734.6
30°	3090.1	3110.6	3107.2	3165.3	3243.9	3257.6	3161.9	3021.7	2929.5	2912.4	2926.0
32.5°	3377.2	3387.5	3380.7	3449.0	3661.0	3760.1	3510.6	3312.3	3189.2	3220.0	3189.2
35°	3917.3	3907.1	3831.9	3845.6	4019.9	4091.7	3852.4	3725.9	3667.8	3729.3	3715.7
37.5°	4382.2	4344.6	4283.1	4372.0	4553.1	4618.1	4368.5	4146.4	4040.4	4142.9	4187.4
40°	4775.3	4679.6	4594.2	4683.0	4925.7	5014.6	4648.8	4467.7	4426.7	4501.9	4597.6
42.5°	5106.9	5045.4	4932.6	4939.4	5100.1	5141.1	4847.1	4741.1	4700.1	4819.8	4867.6
45°	5342.8	5284.6	5178.7	5171.8	5294.9	5267.6	5004.3	4932.6	4956.5	5035.1	5059.0
47.5°	5462.4	5493.2	5431.6	5448.7	5513.7	5448.7	5240.2	5240.2	5185.5	5233.4	5209.4
50°	5807.6	5711.9	5790.5	5790.5	5858.9	5865.7	5657.2	5582.0	5435.0	5353.0	5353.0
52.5°	6211.0	6217.8	6248.6	6361.4	6477.6	6576.7	6279.4	5958.0	5711.9	5606.0	5592.3
55°	6542.6	6610.9	6734.0	6945.9	7280.9	7417.6	6904.9	6330.6	6029.8	5865.7	5831.6
56°	6723.7	6658.8	6870.7	7161.3	7598.8	7776.6	7007.4	6405.8	6074.3	5889.7	5886.3
57.5°	6549.4	6621.2	6768.2	7226.2	7762.9	7995.3	7045.1	6371.7	5896.5	5708.5	5725.6
60°	5171.8	5240.2	5438.5	5951.2	6792.1	6973.3	5961.5	5253.9	4830.0	4560.0	4563.4
62.5°	2926.0	2977.3	3131.1	3606.3	4129.3	4303.6	3715.7	3243.9	2950.0	2799.6	2751.7
65°	1076.8	1056.2	1080.2	1322.9	1644.2	1791.2	1545.1	1305.8	1152.0	1097.3	1076.8
67.5°	403.4	372.6	348.7	372.6	468.3	495.6	454.6	379.4	355.5	365.8	372.6
70°	249.5	235.9	188.0	177.7	174.3	170.9	181.2	191.4	218.8	256.4	263.2
72.5°	174.3	164.1	133.3	126.5	119.6	116.2	133.3	147.0	170.9	198.3	201.7
75°	68.4	71.8	68.4	75.2	78.6	82.0	95.7	106.0	116.2	116.2	112.8
77.5°	13.7	13.7	20.5	27.3	34.2	44.4	64.9	75.2	78.6	75.2	64.9
80°	0.0	0.0	6.8	13.7	27.3	37.6	58.1	64.9	71.8	64.9	51.3
82.5°	0.0	0.0	6.8	17.1	27.3	34.2	54.7	68.4	78.6	71.8	54.7
85°	0.0	0.0	6.8	13.7	20.5	23.9	23.9	17.1	17.1	10.3	6.8
87.5°	0.0	0.0	0.0	0.0	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)