

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: P651928

Luminaire Tested: **GALN-SA6A-840-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13687.3 lumens
Efficiency: N/A
Efficacy: 75.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

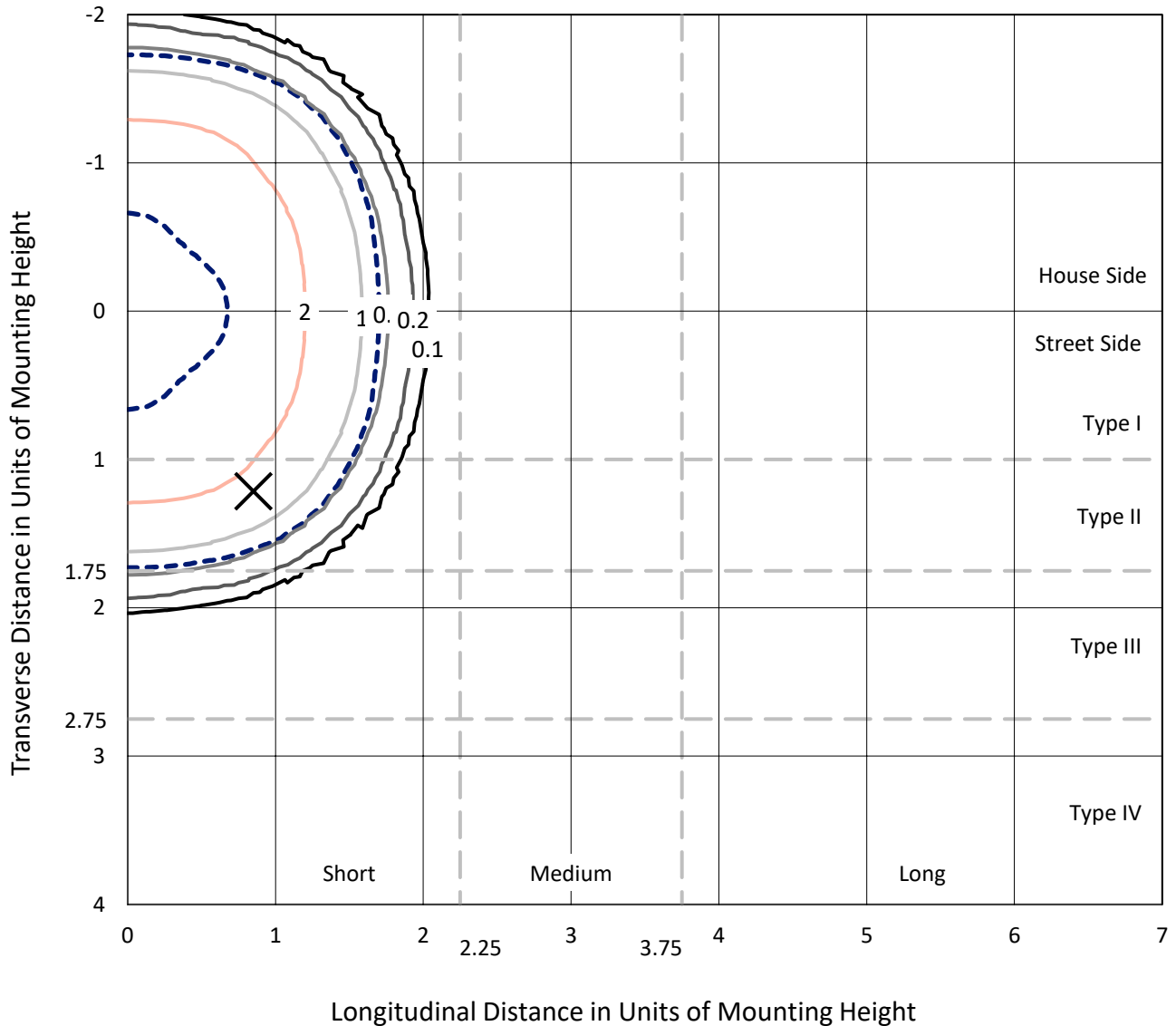
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

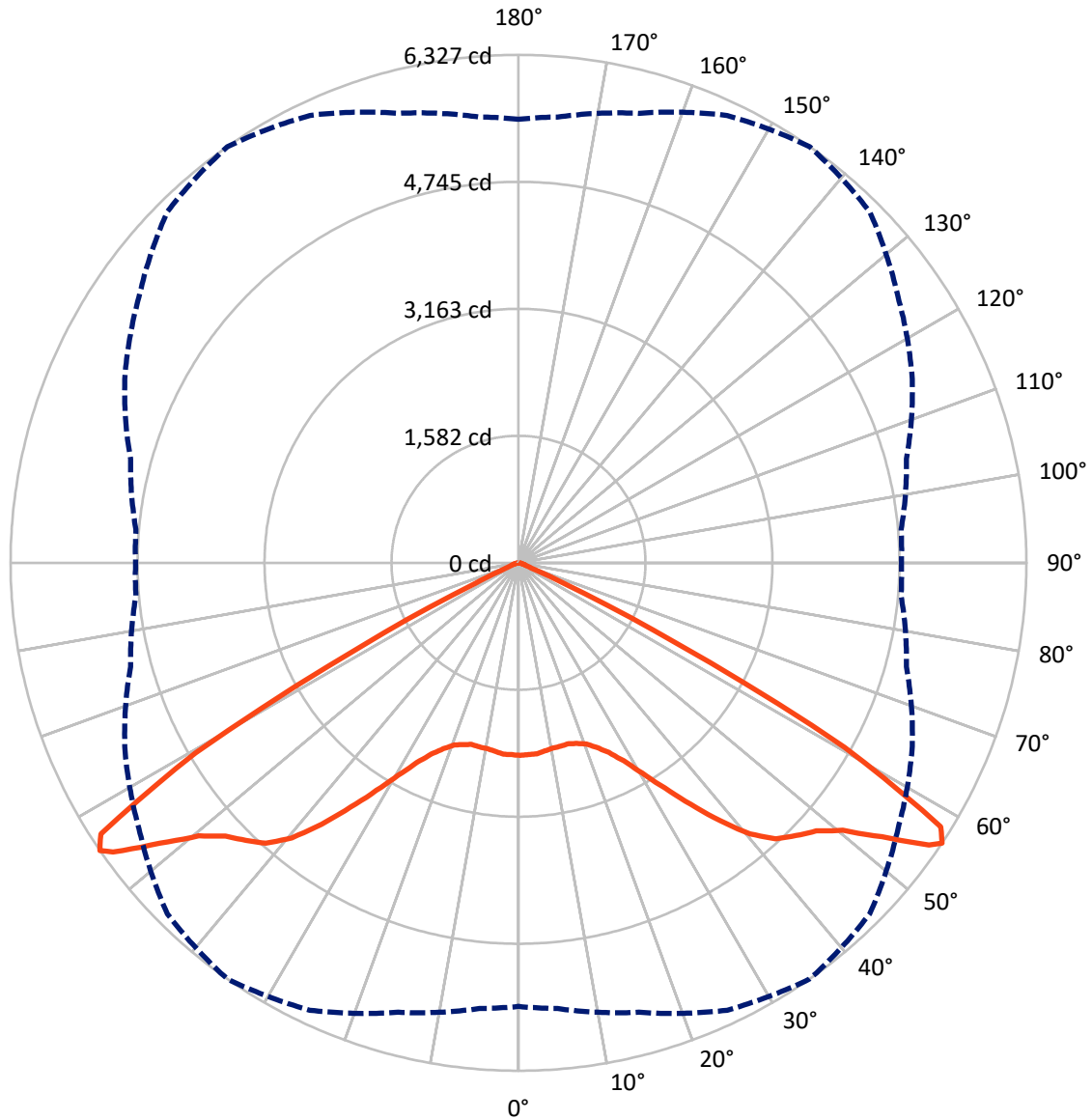
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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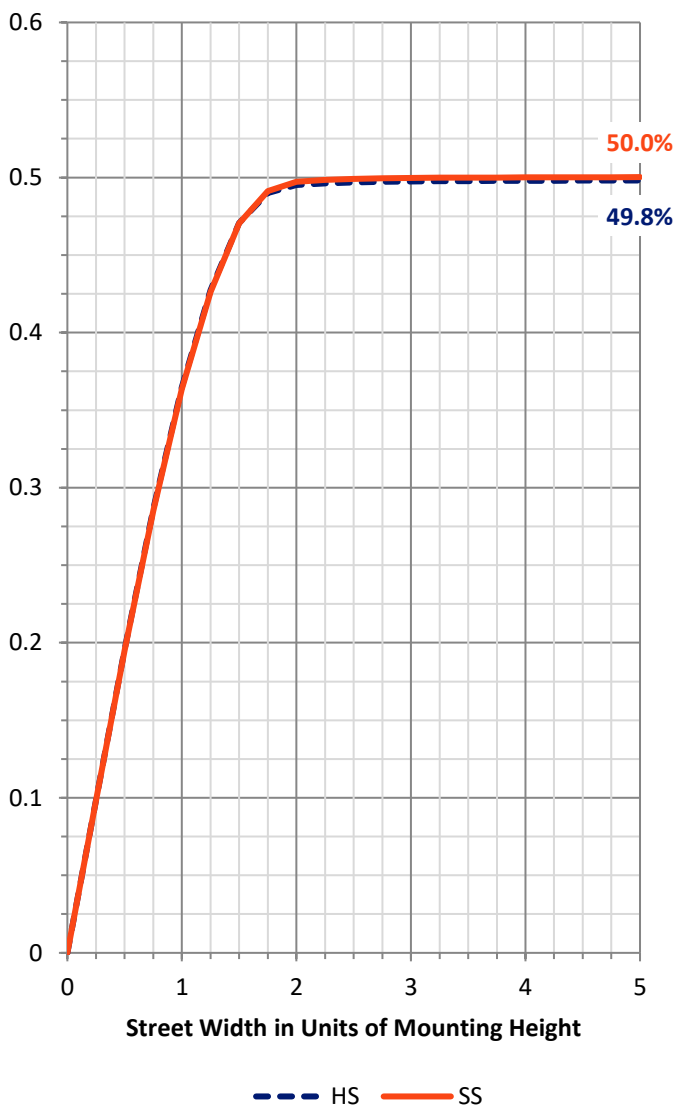
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6843.6	0.0	6843.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6843.6	0.0	6843.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13687.3	0.0	13687.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	1.6
10°-20°	658.1	4.8
20°-30°	1191.7	8.7
30°-40°	2209.8	16.1
40°-50°	3627.2	26.5
50°-60°	4672.9	34.1
60°-70°	1029.9	7.5
70°-80°	59.7	0.4
80°-90°	12.6	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°	13687.3	100.0
0°-180°	13687.3	100.0

Coefficient of Utilization

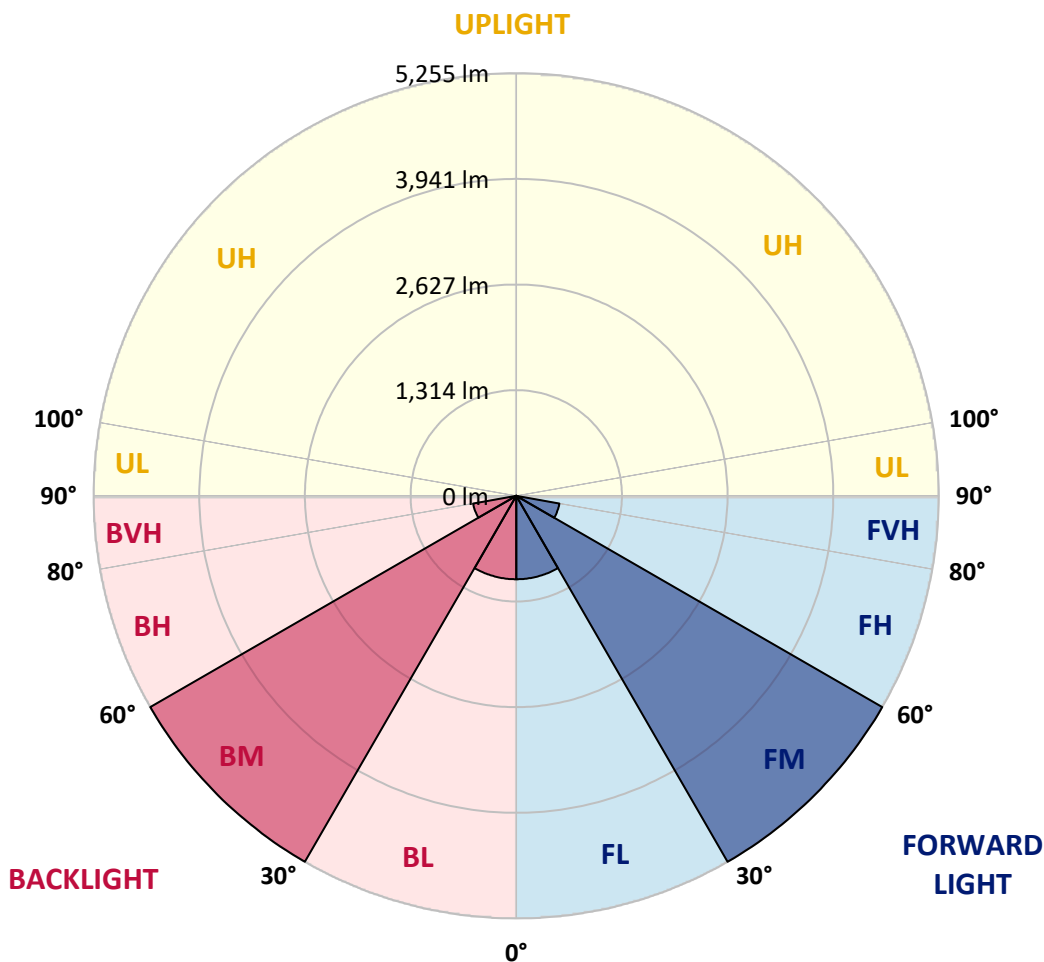


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.6	7.6			
FM (30°-60°)	5255.0	38.4			
FH (60°-80°)	544.8	4.0			G0/660
FVH (80°-90°)	6.3	0.0			G0/10
BL (0°-30°)	1037.6	7.6	B3/2500		
BM (30°-60°)	5255.0	38.4	B4/8500		
BH (60°-80°)	544.8	4.0	B2/1000		G0/660
BVH (80°-90°)	6.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3	2398.3
2.5°	2403.2	2403.2	2405.8	2408.2	2390.9	2383.4	2385.9	2381.0	2378.4	2385.9	2385.9
5°	2395.8	2395.8	2388.4	2390.9	2390.9	2368.5	2368.5	2373.5	2373.5	2358.6	2353.6
7.5°	2376.0	2371.0	2361.1	2373.5	2366.1	2366.1	2348.7	2336.3	2331.3	2341.3	2331.3
10°	2333.9	2336.3	2346.2	2351.2	2346.2	2361.1	2331.3	2314.0	2296.6	2289.2	2289.2
12.5°	2314.0	2328.9	2314.0	2326.4	2343.8	2331.3	2314.0	2301.6	2276.8	2266.8	2266.8
15°	2311.5	2321.4	2326.4	2343.8	2336.3	2341.3	2306.5	2291.6	2254.5	2237.1	2229.7
17.5°	2309.0	2321.4	2328.9	2361.1	2366.1	2368.5	2341.3	2296.6	2264.4	2247.0	2229.7
20°	2336.3	2341.3	2356.1	2388.4	2408.2	2442.9	2393.3	2346.2	2276.8	2256.9	2249.5
22.5°	2371.0	2395.8	2410.7	2445.5	2497.5	2527.3	2462.8	2403.2	2331.3	2306.5	2276.8
25°	2482.6	2477.7	2502.5	2574.4	2616.5	2638.9	2586.8	2500.0	2405.8	2376.0	2381.0
27.5°	2621.5	2626.4	2648.8	2728.2	2790.2	2824.9	2762.9	2648.8	2557.1	2507.4	2502.5
30°	2802.5	2797.6	2822.4	2929.0	3040.6	3092.8	2983.6	2849.7	2760.4	2695.9	2710.8
32.5°	2993.5	2996.1	3065.4	3162.2	3343.2	3444.9	3268.8	3105.1	2971.3	2926.6	2904.2
35°	3276.3	3288.6	3343.2	3492.1	3692.9	3824.4	3630.9	3435.0	3281.2	3199.4	3209.3
37.5°	3626.0	3613.6	3705.4	3866.6	4077.3	4174.1	4010.4	3787.2	3630.9	3576.4	3611.1
40°	3998.0	4010.4	4057.5	4203.8	4439.5	4504.0	4260.9	4139.4	4003.0	3975.7	4017.9
42.5°	4370.0	4362.6	4397.3	4528.8	4699.8	4655.3	4511.4	4439.5	4342.8	4288.2	4345.2
45°	4642.8	4630.5	4694.9	4784.2	4846.2	4761.9	4697.4	4672.6	4623.0	4563.4	4615.6
47.5°	4908.2	4898.3	4960.3	4985.1	4990.1	4878.5	4890.8	4935.5	4811.5	4687.5	4747.0
50°	5133.9	5116.6	5193.4	5248.0	5235.6	5057.0	5101.7	5057.0	4863.6	4717.3	4694.9
52.5°	5510.9	5518.3	5600.2	5699.4	5669.6	5520.8	5456.3	5253.0	5005.0	4873.5	4796.6
55°	5749.0	5711.8	5853.2	6168.1	6202.9	6049.1	5763.9	5463.8	5091.8	4930.5	4910.7
56°	5525.8	5572.9	5796.1	6148.3	6326.8	6185.5	5771.3	5411.7	5002.4	4784.2	4769.3
57.5°	4957.8	4933.1	5235.6	5716.8	6202.9	6143.3	5567.9	5039.7	4563.4	4317.9	4288.2
60°	3085.3	3157.2	3422.6	4017.9	4667.6	4697.4	4127.0	3673.1	3117.6	2899.3	2951.4
62.5°	1207.8	1145.9	1312.0	1755.9	2202.4	2301.6	2085.8	1733.6	1423.6	1207.8	1193.0
65°	280.2	272.8	307.6	424.1	592.7	687.0	652.3	468.8	344.7	327.4	302.6
67.5°	158.7	158.7	151.3	151.3	166.2	176.1	168.6	166.2	173.6	181.1	178.5
70°	111.6	109.2	104.2	106.6	101.7	101.7	109.2	121.5	131.4	131.4	133.9
72.5°	66.9	66.9	66.9	74.4	74.4	74.4	81.8	91.8	94.3	91.8	89.3
75°	29.8	29.8	34.7	42.1	47.1	49.6	57.0	62.0	66.9	62.0	57.0
77.5°	7.4	7.4	12.4	17.3	22.3	27.2	37.2	44.7	47.1	44.7	37.2
80°	2.4	2.4	5.0	12.4	22.3	27.2	37.2	39.7	42.1	37.2	29.8
82.5°	2.4	2.4	5.0	12.4	17.3	22.3	29.8	34.7	37.2	32.2	29.8
85°	0.0	2.4	5.0	9.9	14.9	19.8	19.8	14.9	12.4	7.4	9.9
87.5°	0.0	0.0	2.4	2.4	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)