

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: P652429

Luminaire Tested: **GALN-SA6B-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P652429
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-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 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: 14802.5 lumens
Efficiency: N/A
Efficacy: 60.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

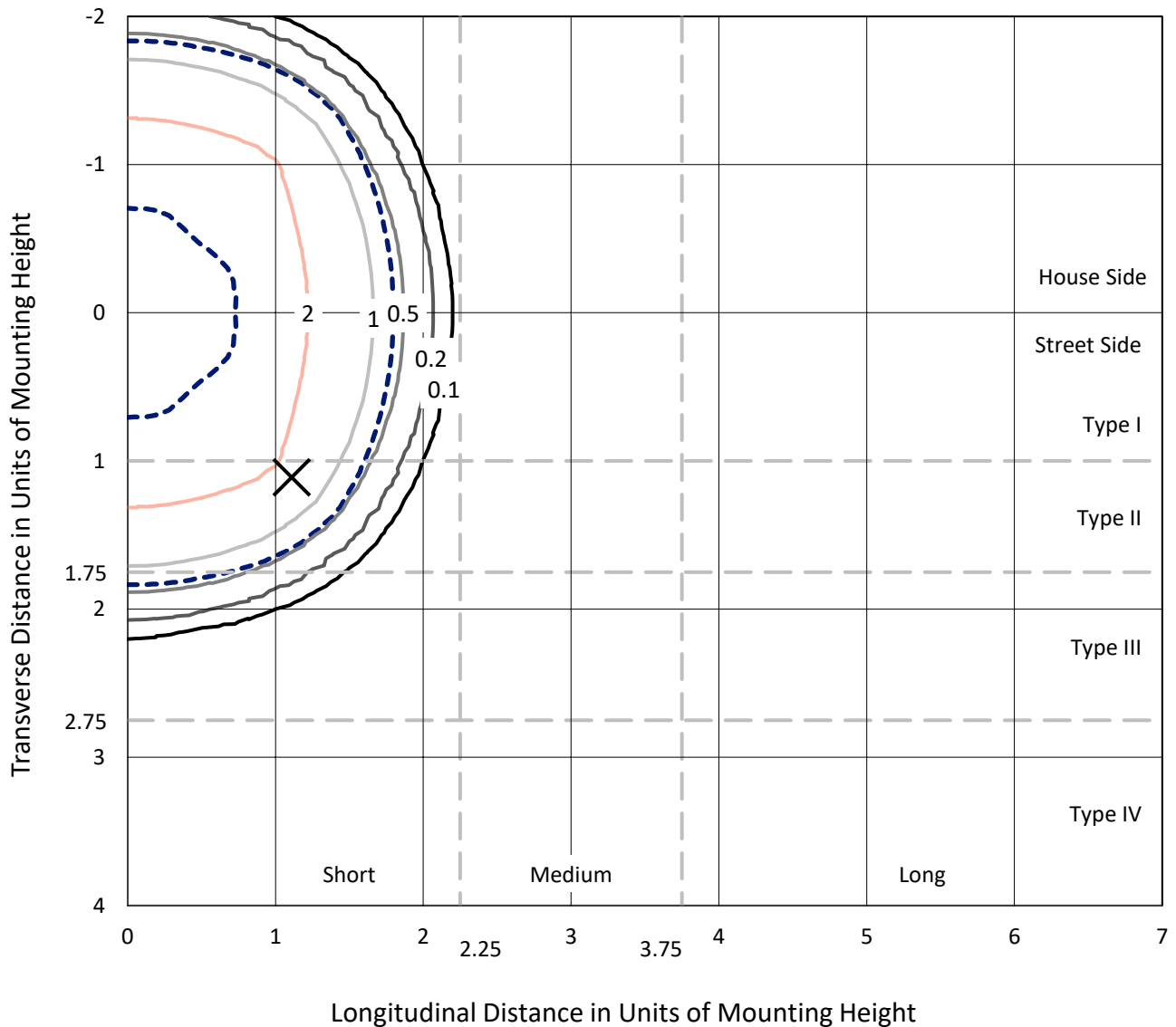
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

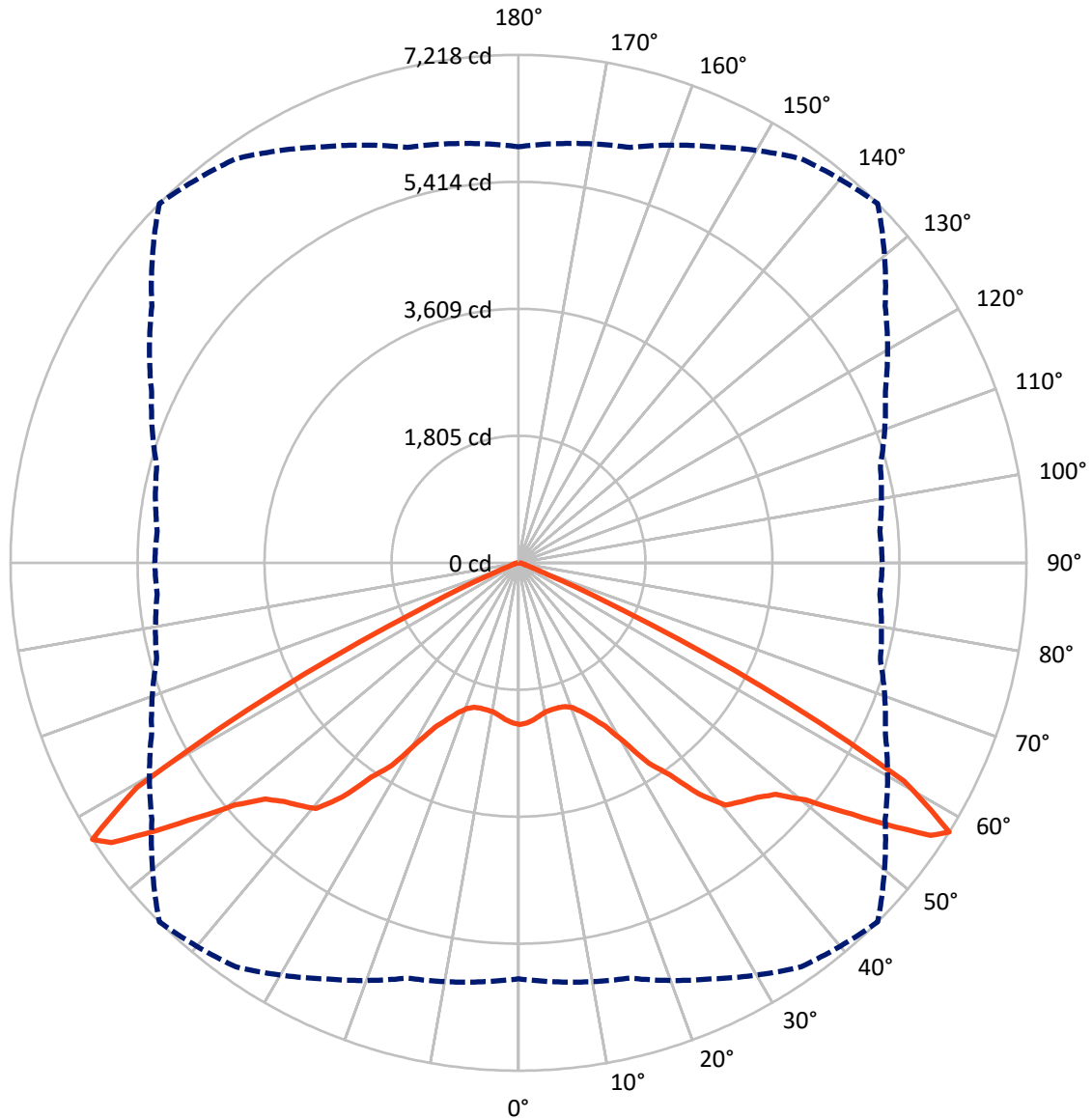
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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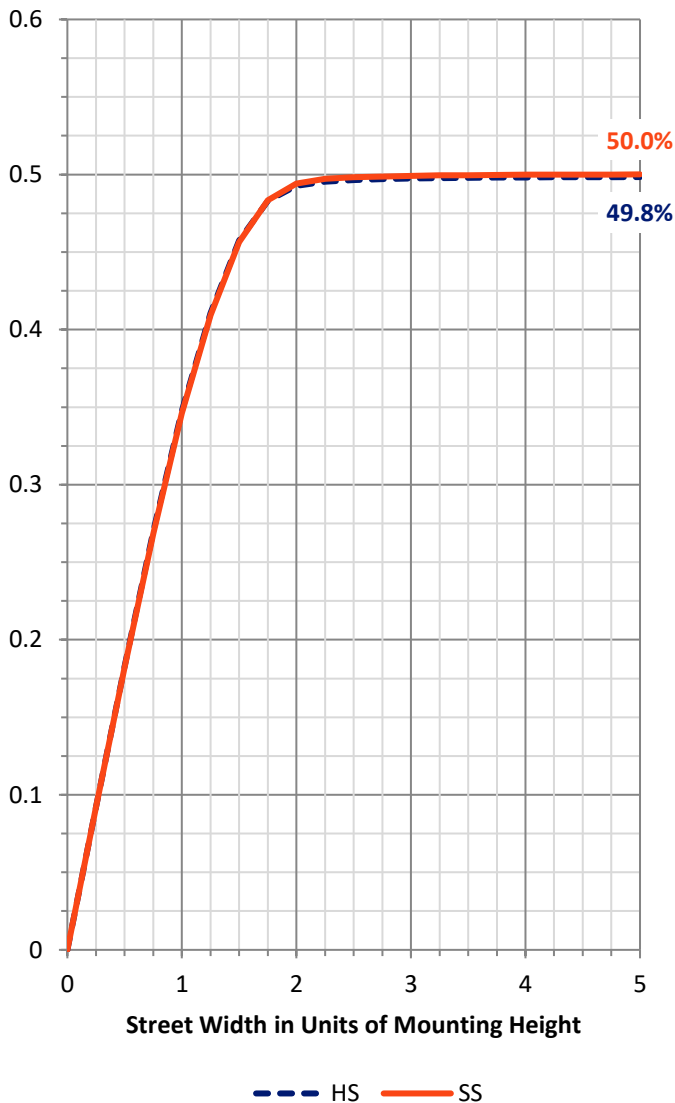
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7401.2	0.0	7401.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7401.2	0.0	7401.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	14802.5	0.0	14802.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.4
10°-20°	609.9	4.1
20°-30°	1125.7	7.6
30°-40°	2213.9	15.0
40°-50°	3605.8	24.4
50°-60°	5142.3	34.7
60°-70°	1780.4	12.0
70°-80°	95.5	0.6
80°-90°	17.9	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°	14802.5	100.0
0°-180°	14802.5	100.0

Coefficient of Utilization

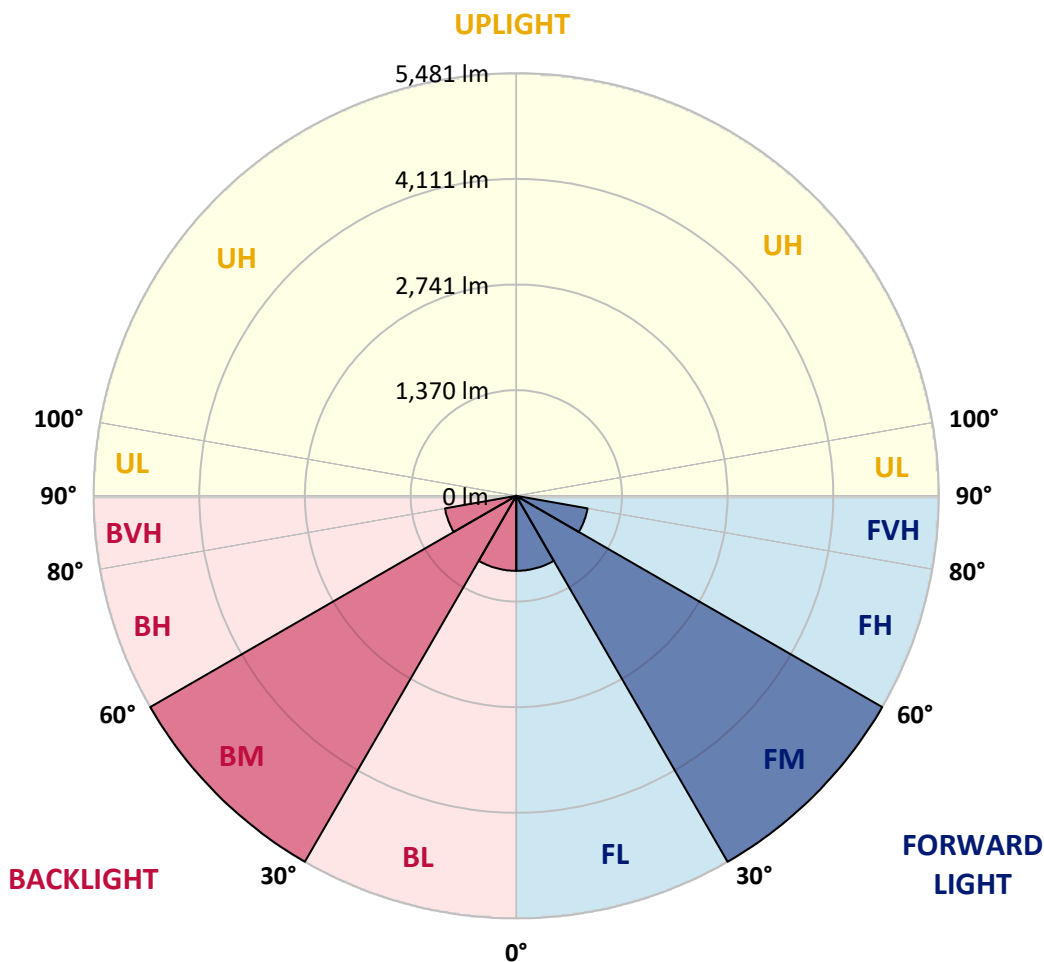


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	973.3	6.6			
FM	(30°-60°)	5481.0	37.0			
FH	(60°-80°)	938.0	6.3			G1/1800
FVH	(80°-90°)	9.0	0.1			G0/10
BL	(0°-30°)	973.3	6.6	B2/1000		
BM	(30°-60°)	5481.0	37.0	B4/8500		
BH	(60°-80°)	938.0	6.3	B2/1000		G1/1800
BVH	(80°-90°)	9.0	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°	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0	2296.0
2.5°	2289.9	2302.2	2286.8	2280.6	2277.5	2277.5	2268.3	2268.3	2265.1	2268.3	2255.9
5°	2252.8	2265.1	2265.1	2262.0	2243.5	2240.4	2231.2	2225.0	2228.1	2215.8	2225.0
7.5°	2215.8	2225.0	2212.7	2209.6	2203.4	2191.1	2188.0	2160.2	2163.3	2163.3	2169.5
10°	2209.6	2206.5	2188.0	2172.6	2154.1	2150.9	2141.7	2135.6	2135.6	2132.4	2141.7
12.5°	2209.6	2194.2	2191.1	2157.2	2126.3	2138.7	2113.9	2098.5	2120.1	2126.3	2138.7
15°	2206.5	2221.9	2169.5	2154.1	2132.4	2135.6	2113.9	2098.5	2110.8	2117.0	2126.3
17.5°	2225.0	2215.8	2200.3	2169.5	2160.2	2147.9	2120.1	2107.8	2107.8	2123.2	2126.3
20°	2274.4	2249.8	2218.9	2203.4	2212.7	2197.3	2163.3	2117.0	2129.3	2141.7	2150.9
22.5°	2320.7	2302.2	2280.6	2271.3	2323.8	2299.1	2240.4	2188.0	2169.5	2191.1	2206.5
25°	2410.2	2410.2	2370.1	2382.4	2441.1	2444.1	2376.2	2283.7	2271.3	2280.6	2286.8
27.5°	2592.3	2601.5	2567.6	2579.9	2604.6	2626.2	2567.6	2490.5	2462.7	2459.6	2468.8
30°	2789.8	2808.3	2805.2	2857.6	2928.6	2941.0	2854.6	2728.0	2644.8	2629.3	2641.7
32.5°	3049.0	3058.3	3052.1	3113.8	3305.1	3394.6	3169.4	2990.3	2879.2	2907.1	2879.2
35°	3536.6	3527.3	3459.5	3471.8	3629.2	3694.0	3478.0	3363.7	3311.4	3366.9	3354.5
37.5°	3956.3	3922.3	3866.8	3947.1	4110.6	4169.3	3944.0	3743.4	3647.7	3740.3	3780.4
40°	4311.2	4224.8	4147.6	4227.9	4447.0	4527.2	4197.0	4033.4	3996.4	4064.3	4150.8
42.5°	4610.5	4555.0	4453.2	4459.3	4604.4	4641.4	4376.0	4280.4	4243.3	4351.3	4394.6
45°	4823.5	4771.0	4675.4	4669.1	4780.2	4755.6	4517.9	4453.2	4474.8	4545.8	4567.3
47.5°	4931.5	4959.3	4903.7	4919.2	4977.8	4919.2	4730.9	4730.9	4681.5	4724.7	4703.1
50°	5243.2	5156.8	5227.7	5227.7	5289.5	5295.6	5107.4	5039.5	4906.8	4832.7	4832.7
52.5°	5607.4	5613.5	5641.3	5743.1	5848.1	5937.5	5669.1	5379.0	5156.8	5061.1	5048.8
55°	5906.7	5968.4	6079.5	6270.8	6573.3	6696.7	6233.8	5715.4	5443.8	5295.6	5264.7
56°	6070.3	6011.6	6203.0	6465.3	6860.3	7020.8	6326.4	5783.2	5483.9	5317.2	5314.2
57.5°	5912.8	5977.7	6110.4	6523.9	7008.4	7218.2	6360.3	5752.4	5323.4	5153.6	5169.1
60°	4669.1	4730.9	4909.9	5372.8	6132.0	6295.6	5382.1	4743.2	4360.6	4116.8	4119.9
62.5°	2641.7	2687.9	2826.9	3255.8	3727.9	3885.3	3354.5	2928.6	2663.3	2527.5	2484.2
65°	972.1	953.6	975.2	1194.3	1484.4	1617.1	1394.9	1178.8	1040.0	990.6	972.1
67.5°	364.2	336.4	314.8	336.4	422.8	447.5	410.4	342.5	320.9	330.2	336.4
70°	225.3	212.9	169.7	160.5	157.4	154.3	163.6	172.8	197.5	231.4	237.7
72.5°	157.4	148.1	120.3	114.2	108.0	105.0	120.3	132.7	154.3	179.0	182.1
75°	61.7	64.8	61.7	67.9	71.0	74.1	86.4	95.7	105.0	105.0	101.8
77.5°	12.4	12.4	18.5	24.7	30.9	40.1	58.6	67.9	71.0	67.9	58.6
80°	0.0	0.0	6.1	12.4	24.7	34.0	52.5	58.6	64.8	58.6	46.3
82.5°	0.0	0.0	6.1	15.4	24.7	30.9	49.4	61.7	71.0	64.8	49.4
85°	0.0	0.0	6.1	12.4	18.5	21.6	21.6	15.4	15.4	9.3	6.1
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)