

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: P531115

Luminaire Tested: **GALN-SA6B-827-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531115
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-827-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16030 lumens
Efficiency: N/A
Efficacy: 66.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

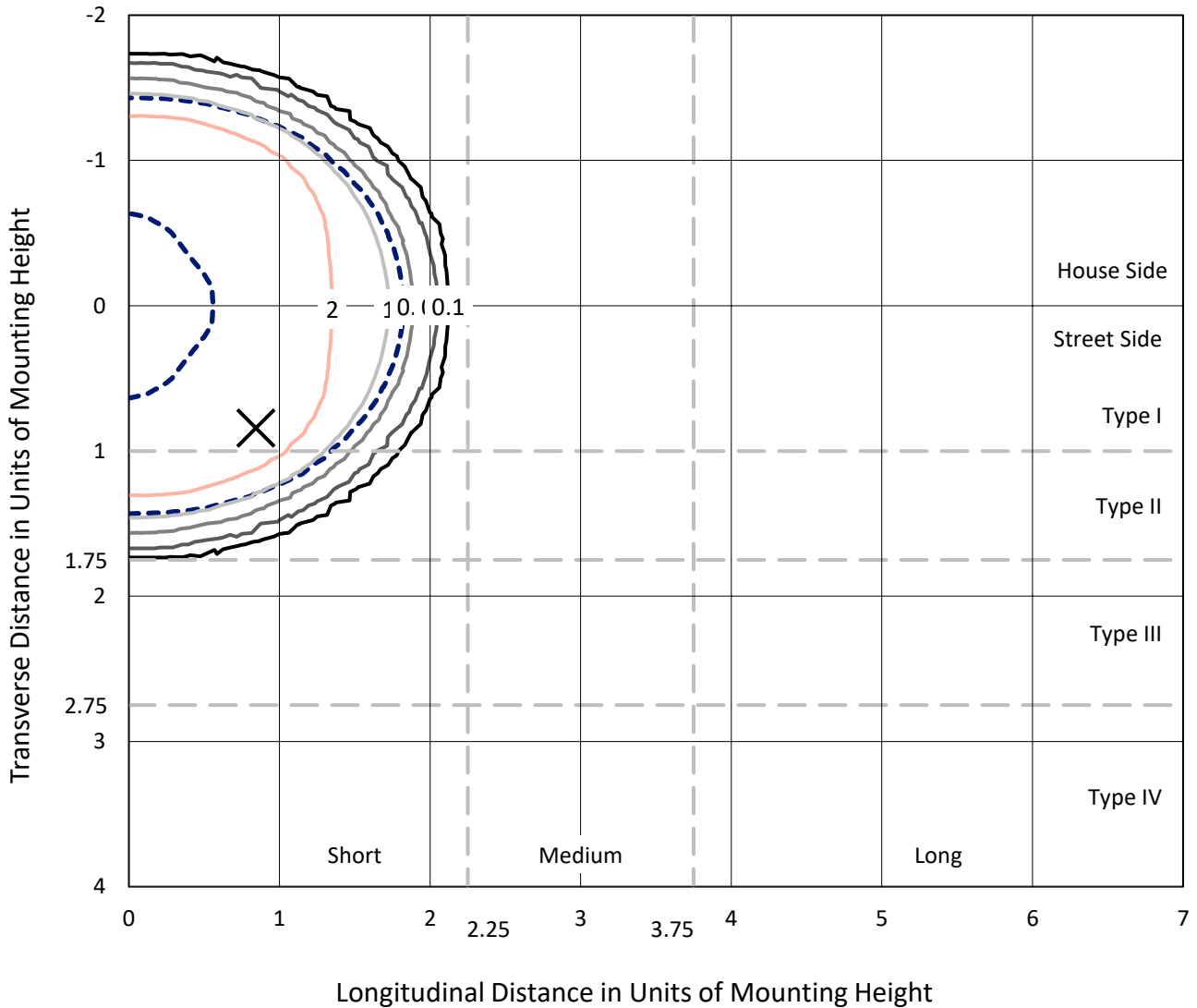
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

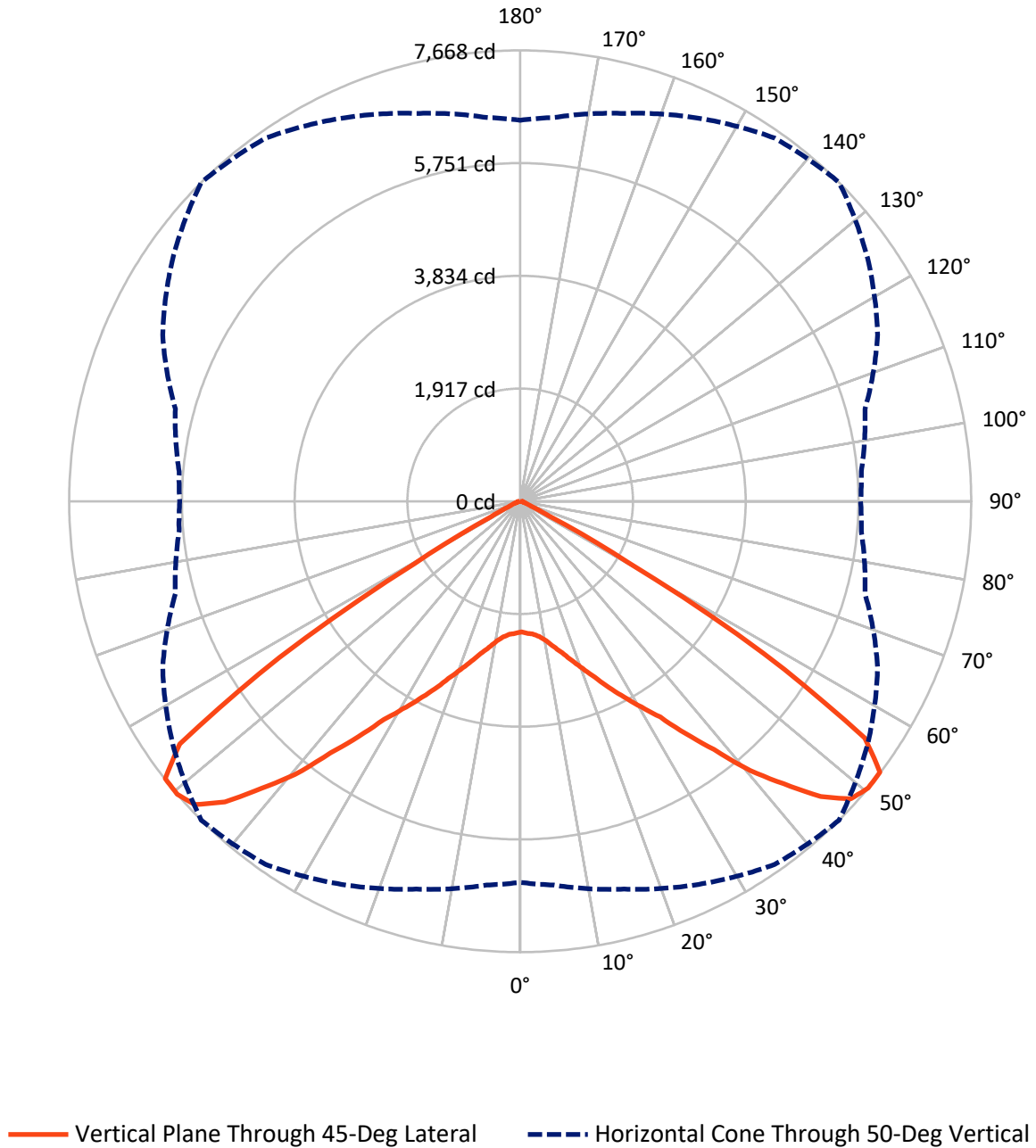
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	8015.0	0.0	8015.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8015.0	0.0	8015.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16030.0	0.0	16030.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.1	1.4
10°-20°	762.0	4.8
20°-30°	1556.3	9.7
30°-40°	2967.9	18.5
40°-50°	5001.4	31.2
50°-60°	4769.7	29.8
60°-70°	665.8	4.2
70°-80°	63.7	0.4
80°-90°	22.0	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°	16030.0	100.0
0°-180°	16030.0	100.0

Coefficient of Utilization



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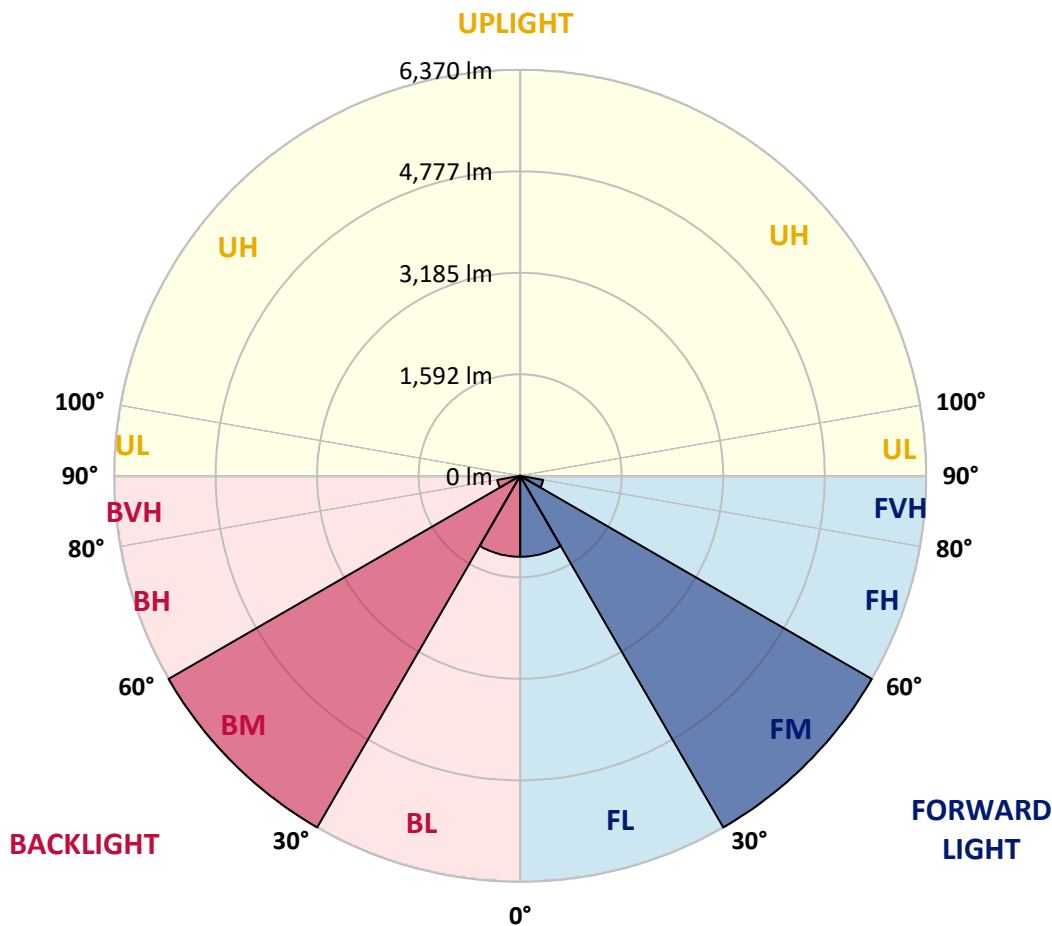
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1269.7	7.9			
FM (30°-60°)	6369.5	39.7			
FH (60°-80°)	364.8	2.3			G0/660
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	1269.7	7.9	B3/2500		
BM (30°-60°)	6369.5	39.7	B4/8500		
BH (60°-80°)	364.8	2.3	B1/500		G0/660
BVH (80°-90°)	11.0	0.1			G1/100
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°	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4	2222.4
2.5°	2214.3	2214.3	2211.6	2233.2	2222.4	2246.7	2244.0	2252.1	2260.1	2257.4	2279.0
5°	2195.4	2192.7	2192.7	2217.0	2241.3	2268.2	2292.5	2308.7	2335.7	2335.7	2362.6
7.5°	2214.3	2200.8	2219.7	2230.5	2276.3	2322.2	2362.6	2395.0	2457.0	2478.6	2470.5
10°	2219.7	2235.9	2249.4	2281.7	2338.4	2408.5	2443.5	2524.5	2594.6	2643.1	2653.9
12.5°	2254.7	2279.0	2316.8	2395.0	2446.2	2537.9	2586.5	2664.7	2761.8	2815.7	2853.5
15°	2322.2	2330.3	2378.8	2478.6	2589.2	2672.8	2748.3	2804.9	2899.3	2961.4	2964.1
17.5°	2408.5	2443.5	2511.0	2605.4	2721.3	2845.4	2904.7	2966.8	3001.8	3085.4	3104.3
20°	2581.1	2586.5	2651.2	2775.3	2920.9	3034.2	3077.4	3109.7	3096.2	3182.5	3198.7
22.5°	2742.9	2748.3	2829.2	2996.4	3152.9	3250.0	3268.8	3250.0	3209.5	3271.5	3276.9
25°	2907.4	2956.0	3015.3	3182.5	3376.7	3506.2	3508.9	3457.6	3374.0	3384.8	3411.8
27.5°	3163.7	3198.7	3260.8	3414.5	3627.6	3773.2	3748.9	3686.9	3579.0	3587.1	3579.0
30°	3463.0	3495.4	3546.6	3743.5	3900.0	4059.1	4094.1	4034.8	3873.0	3837.9	3878.4
32.5°	3824.4	3870.3	3964.7	4145.4	4277.5	4374.6	4398.9	4377.3	4226.3	4212.8	4239.8
35°	4264.1	4326.1	4412.4	4571.5	4679.4	4854.7	4854.7	4781.9	4644.3	4660.5	4657.8
37.5°	4728.0	4819.7	4954.5	5116.3	5262.0	5356.4	5326.7	5264.7	5127.1	5092.1	5127.1
40°	5310.5	5356.4	5526.3	5736.7	5914.7	6022.6	5895.8	5760.9	5431.9	5483.1	5577.5
42.5°	5841.8	5914.7	6044.1	6276.1	6478.4	6567.4	6416.3	6149.3	5752.8	5712.4	5782.5
45°	6295.0	6373.2	6543.1	6874.8	7087.9	7166.1	6831.7	6400.1	5947.0	5844.5	5874.2
47.5°	6597.0	6637.5	6874.8	7190.4	7384.6	7562.6	7082.5	6572.8	6038.7	5844.5	5833.8
50°	6481.1	6551.2	6829.0	7187.7	7541.0	7667.8	7209.3	6704.9	6068.4	5820.3	5787.9
52.5°	5755.5	5876.9	6187.1	6669.8	7203.9	7657.0	7384.6	6661.8	6057.6	5844.5	5893.1
55°	4005.1	4007.8	4385.4	5097.5	6041.4	7109.5	7128.3	6710.3	6127.7	5995.6	5998.3
57.5°	1610.1	1691.1	1979.6	2694.4	3565.5	4881.7	5804.1	6224.8	6135.8	6103.5	6187.1
60°	407.3	410.0	499.0	760.6	1254.1	2092.9	3039.6	4113.0	4736.0	4949.1	4978.8
62.5°	207.7	210.4	231.9	269.7	342.5	561.0	997.9	1583.2	2252.1	2591.9	2680.9
65°	169.9	169.9	183.4	202.3	205.0	215.8	258.9	369.5	536.7	609.5	617.6
67.5°	129.5	129.5	140.2	151.0	156.4	153.7	148.3	153.7	186.1	178.0	172.6
70°	80.9	83.6	89.0	99.8	105.2	107.9	110.6	116.0	132.2	137.6	132.2
72.5°	48.5	48.5	51.2	59.3	67.4	72.8	80.9	86.3	94.4	107.9	105.2
75°	21.6	21.6	27.0	35.1	43.2	51.2	59.3	67.4	72.8	80.9	83.6
77.5°	5.4	8.1	13.5	24.3	32.4	43.2	53.9	62.0	67.4	67.4	64.7
80°	2.7	2.7	10.8	18.9	35.1	45.9	59.3	64.7	72.8	67.4	59.3
82.5°	2.7	2.7	10.8	18.9	32.4	45.9	62.0	70.1	75.5	67.4	56.6
85°	0.0	2.7	8.1	16.2	27.0	32.4	27.0	18.9	10.8	10.8	8.1
87.5°	0.0	0.0	2.7	2.7	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)