

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: P528542

Luminaire Tested: **GALN-SA3C-827-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-827-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13519 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

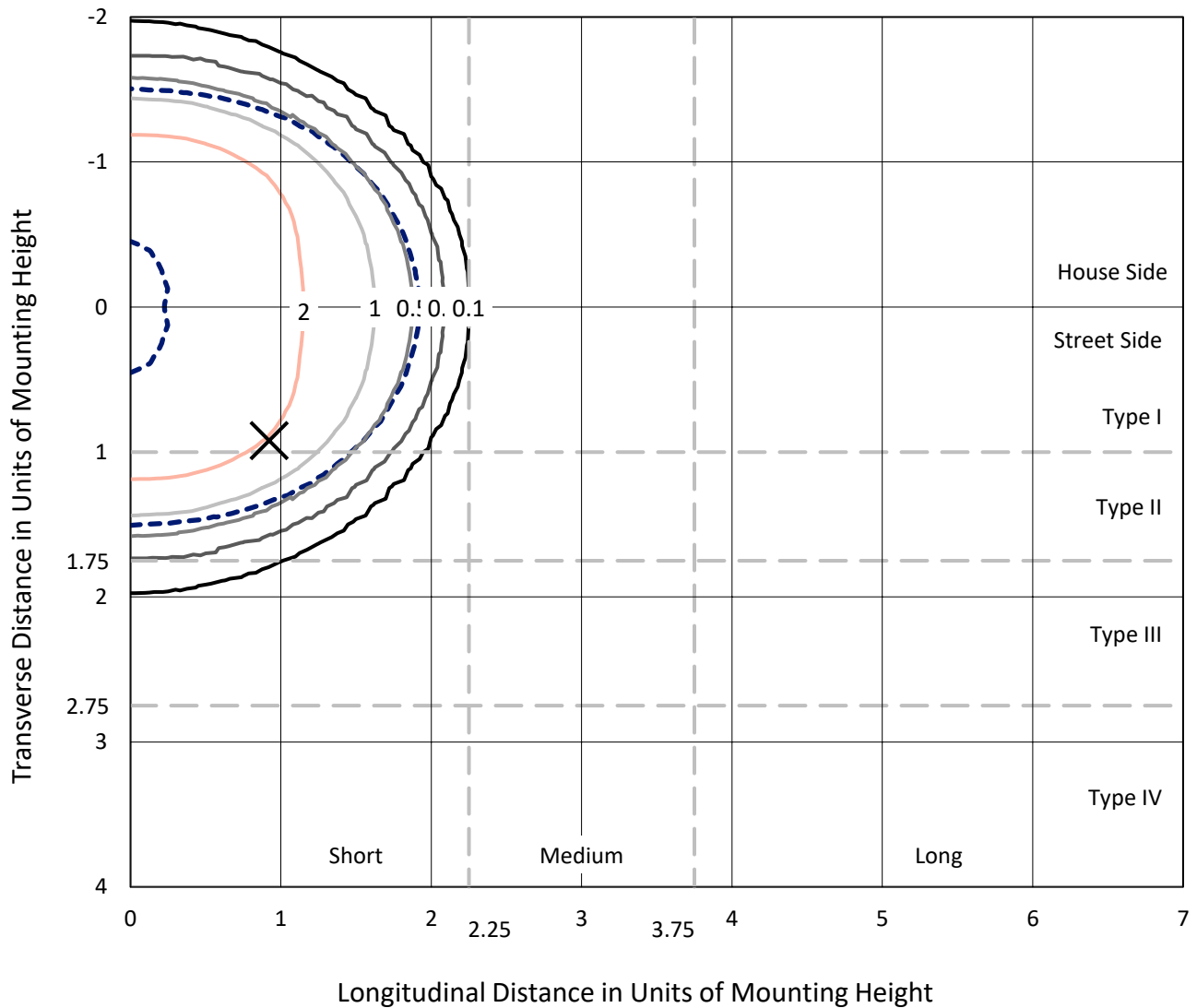
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

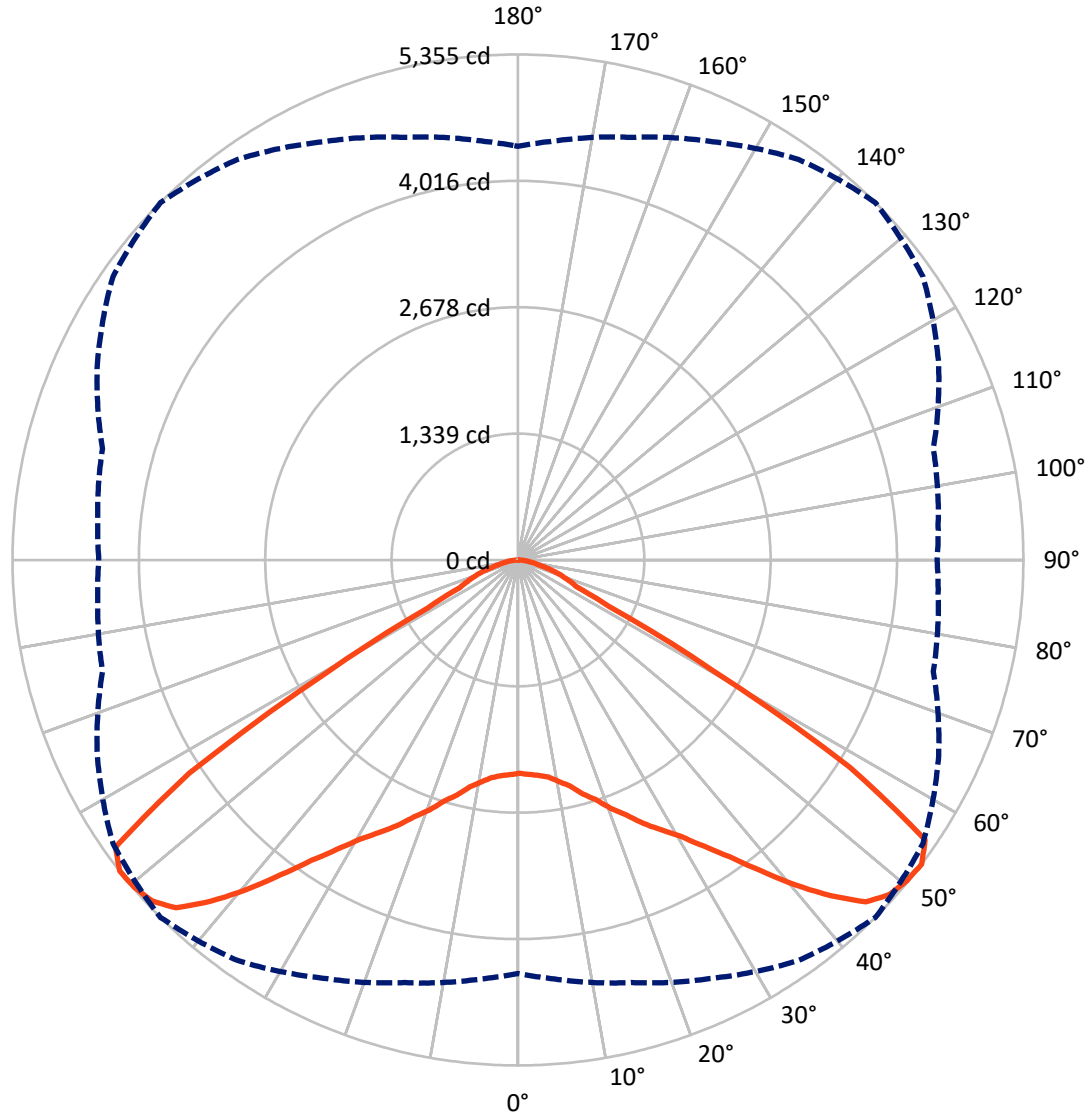
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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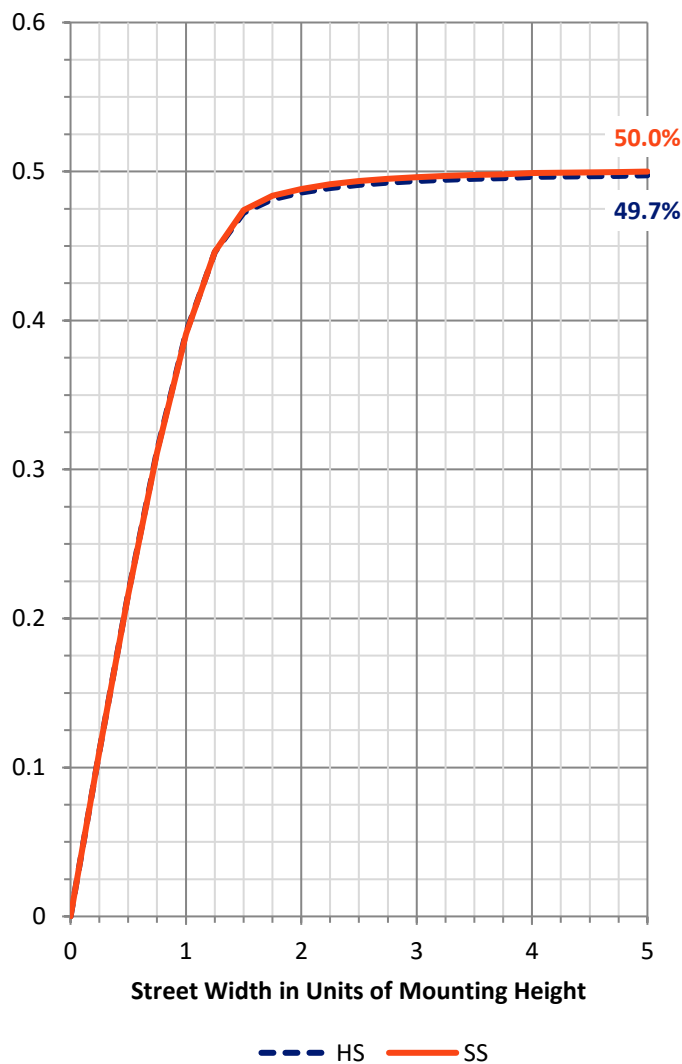
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6759.5	0.0	6759.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6759.5	0.0	6759.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13519.0	0.0	13519.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	1.6
10°-20°	729.6	5.4
20°-30°	1389.0	10.3
30°-40°	2385.0	17.6
40°-50°	3665.8	27.1
50°-60°	3722.6	27.5
60°-70°	1037.4	7.7
70°-80°	306.0	2.3
80°-90°	61.6	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°	13519.0	100.0
0°-180°	13519.0	100.0

Coefficient of Utilization



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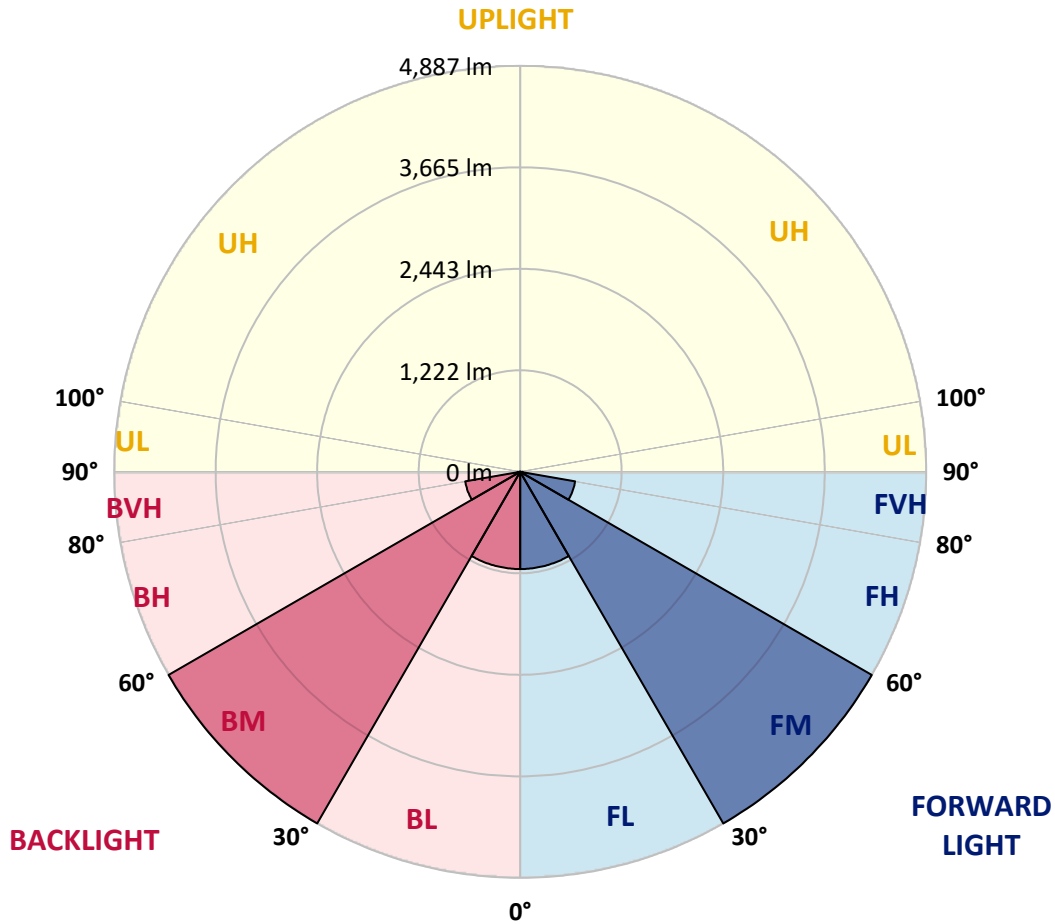
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1170.3	8.7			
FM (30°-60°)	4886.7	36.1			
FH (60°-80°)	671.7	5.0			G1/1800
FVH (80°-90°)	30.8	0.2			G1/100
BL (0°-30°)	1170.3	8.7	B3/2500		
BM (30°-60°)	4886.7	36.1	B3/5000		
BH (60°-80°)	671.7	5.0	B2/1000		G1/1800
BVH (80°-90°)	30.8	0.2			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°	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9	2259.9
2.5°	2264.9	2241.4	2249.8	2254.8	2276.7	2275.0	2269.9	2276.7	2283.4	2285.0	2281.7
5°	2263.2	2246.5	2253.2	2258.2	2280.0	2291.8	2288.4	2316.9	2337.1	2332.0	2357.2
7.5°	2249.8	2259.9	2251.5	2276.7	2295.1	2323.6	2353.8	2380.7	2405.8	2434.4	2439.4
10°	2280.0	2280.0	2295.1	2315.2	2363.9	2385.7	2429.3	2467.9	2516.6	2550.1	2536.7
12.5°	2311.9	2316.9	2316.9	2368.9	2409.2	2457.8	2498.1	2550.1	2618.9	2659.2	2679.3
15°	2343.8	2347.1	2363.9	2434.4	2494.8	2571.9	2608.8	2655.8	2694.4	2769.9	2771.6
17.5°	2372.3	2390.7	2441.1	2519.9	2595.4	2669.2	2728.0	2776.6	2810.2	2840.4	2833.7
20°	2479.7	2493.1	2545.1	2623.9	2736.3	2808.5	2828.6	2837.0	2858.8	2919.2	2900.8
22.5°	2583.7	2588.7	2637.4	2758.2	2837.0	2932.6	2954.5	2949.4	2957.8	2972.9	2999.8
25°	2691.1	2699.4	2766.5	2868.9	2979.6	3093.7	3112.2	3073.6	3061.8	3078.6	3080.3
27.5°	2828.6	2830.3	2915.9	3004.8	3130.6	3238.0	3266.5	3236.3	3180.9	3194.4	3216.2
30°	3003.1	2991.4	3076.9	3204.4	3337.0	3397.4	3446.0	3430.9	3370.5	3358.8	3340.3
32.5°	3204.4	3207.8	3285.0	3424.2	3511.5	3612.1	3664.1	3639.0	3600.4	3580.2	3592.0
35°	3488.0	3503.1	3555.1	3670.8	3811.8	3862.1	3944.3	3890.6	3790.0	3815.1	3836.9
37.5°	3721.2	3764.8	3862.1	3999.7	4083.6	4175.8	4206.0	4133.9	4060.1	4029.9	4102.0
40°	4078.5	4065.1	4172.5	4310.0	4434.2	4526.5	4487.9	4415.7	4232.9	4234.5	4254.7
42.5°	4385.5	4392.3	4474.5	4638.9	4808.3	4865.4	4742.9	4566.7	4363.7	4341.9	4385.5
45°	4643.9	4670.8	4717.7	4937.5	5103.6	5165.7	4939.2	4731.1	4459.4	4368.8	4440.9
47.5°	4736.2	4779.8	4882.1	5083.5	5247.9	5298.2	5117.0	4818.4	4548.3	4400.6	4439.2
50°	4749.6	4734.5	4902.3	5086.8	5231.1	5340.2	5180.8	4882.1	4526.5	4449.3	4437.6
52.5°	4382.2	4456.0	4635.5	4888.9	5180.8	5355.3	5237.8	4917.4	4556.7	4469.4	4440.9
55°	3546.7	3459.4	3786.6	4212.7	4749.6	5234.5	5217.7	4935.8	4575.1	4503.0	4464.4
57.5°	1979.7	2004.9	2189.4	2652.5	3345.4	4150.7	4638.9	4741.2	4566.7	4524.8	4544.9
60°	916.0	924.4	1003.3	1219.7	1649.2	2353.8	2996.4	3649.0	3949.3	4009.7	4009.7
62.5°	682.8	679.5	699.6	738.2	828.8	1082.1	1444.5	1962.9	2375.6	2664.2	2739.7
65°	617.4	615.7	625.8	639.2	645.9	681.2	761.7	921.1	1055.3	1132.5	1119.0
67.5°	540.2	538.5	541.9	550.3	562.0	580.5	600.6	634.2	681.2	677.8	669.4
70°	436.2	436.2	441.2	447.9	461.4	483.2	506.7	530.2	570.4	578.8	577.1
72.5°	322.1	317.1	327.2	340.6	354.0	380.8	406.0	427.8	456.3	464.7	461.4
75°	204.7	208.0	214.7	229.8	253.3	271.8	298.6	317.1	335.5	342.3	343.9
77.5°	114.1	117.4	129.2	147.6	171.1	191.3	214.7	229.8	241.6	243.3	244.9
80°	68.8	70.5	82.2	99.0	119.1	140.9	159.4	174.5	184.5	179.5	177.8
82.5°	41.9	43.6	53.7	68.8	85.6	102.3	122.5	135.9	146.0	139.3	132.5
85°	21.8	23.5	31.9	41.9	55.4	63.8	63.8	57.0	55.4	52.0	50.3
87.5°	6.7	6.7	8.4	10.1	8.4	10.1	11.7	13.4	13.4	15.1	13.4
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)