

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: P528146

Luminaire Tested: **GALN-SA3B-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12796 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

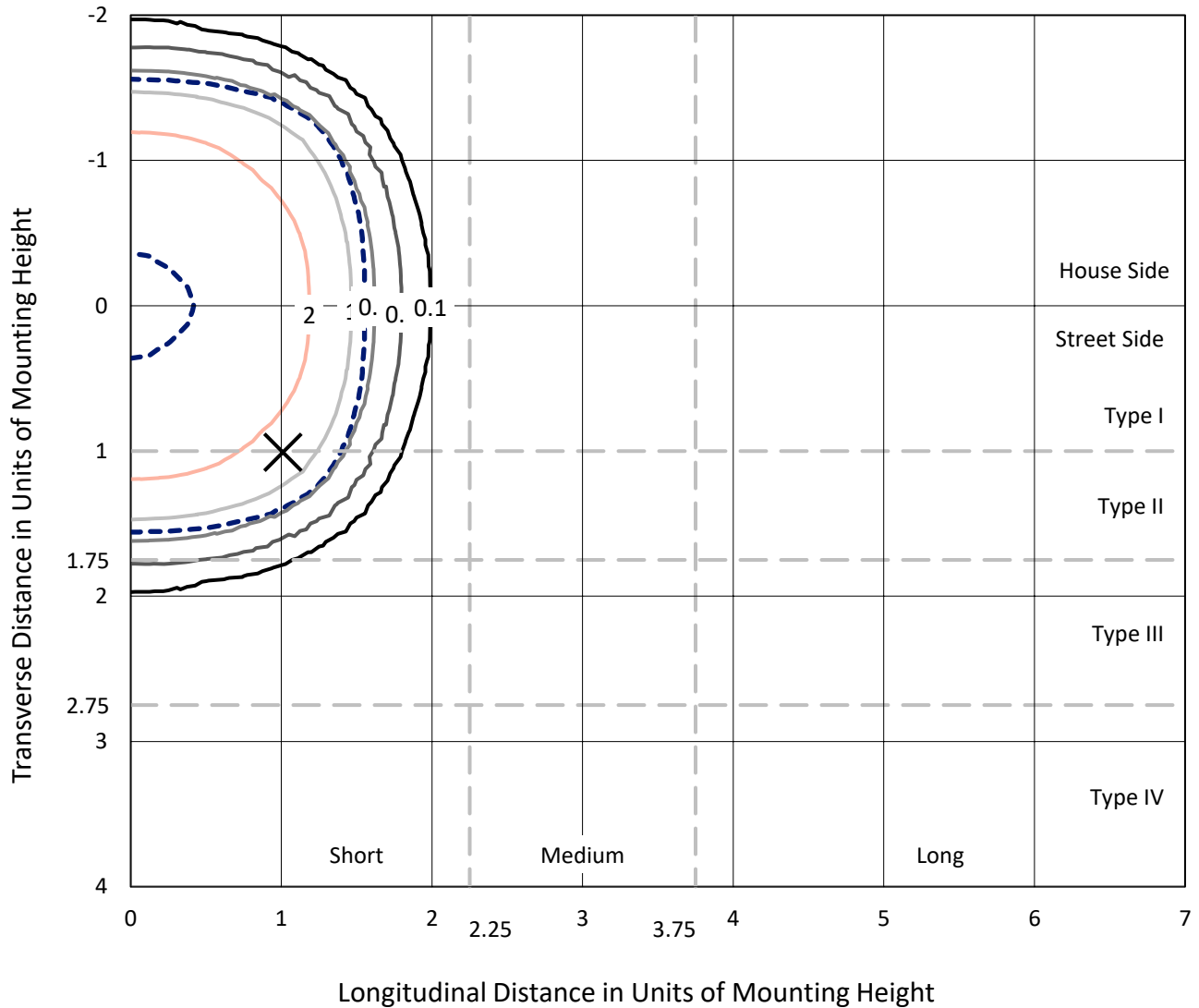
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

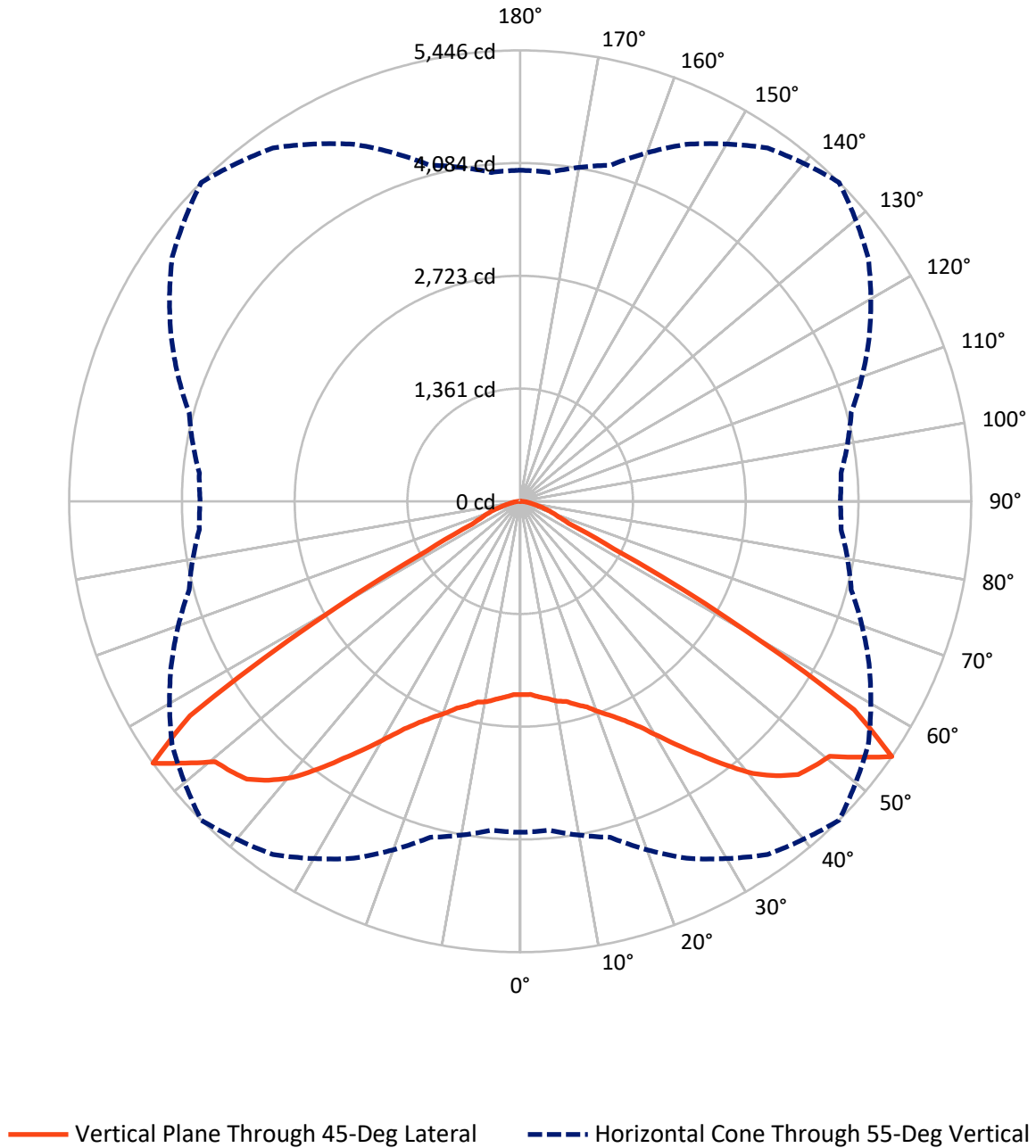
✕ Max cd
 - - - 1/2 Max cd



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



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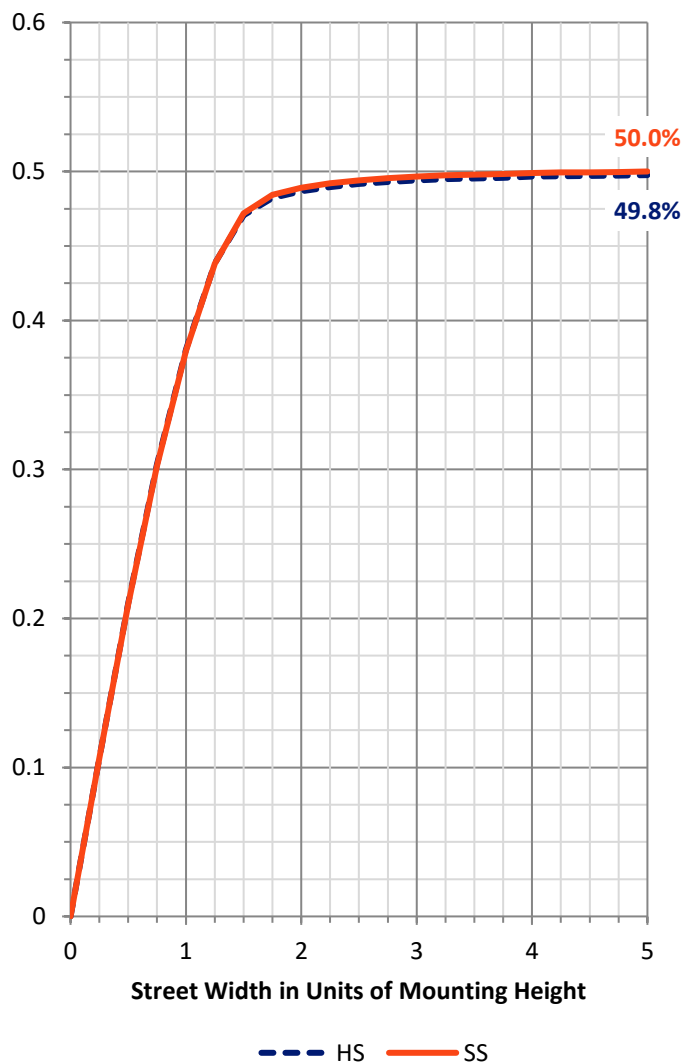
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6398.0	0.0	6398.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6398.0	0.0	6398.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12796.0	0.0	12796.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.2	1.8
10°-20°	723.2	5.7
20°-30°	1348.5	10.5
30°-40°	2257.8	17.6
40°-50°	3513.4	27.5
50°-60°	3648.0	28.5
60°-70°	773.6	6.0
70°-80°	254.8	2.0
80°-90°	48.5	0.4
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°	12796.0	100.0
0°-180°	12796.0	100.0

Coefficient of Utilization

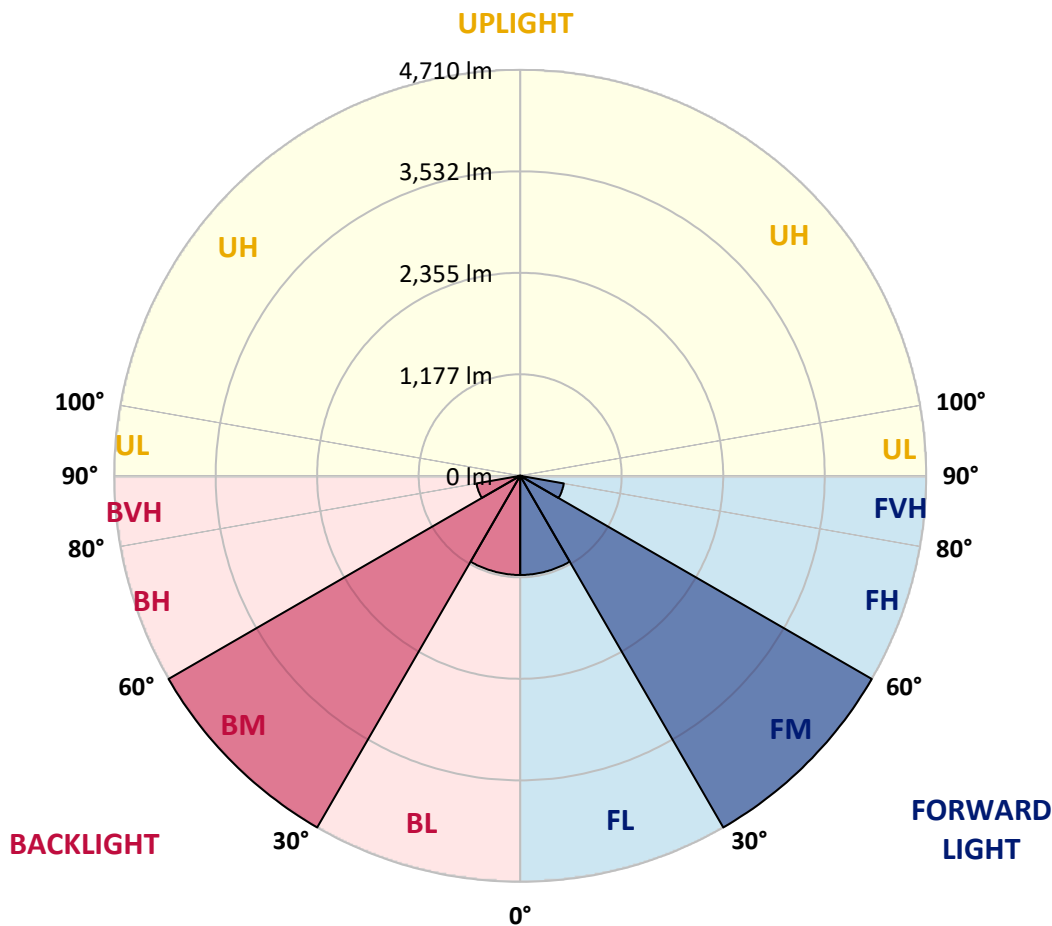


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1150.0	9.0			
FM (30°-60°)	4709.6	36.8			
FH (60°-80°)	514.2	4.0			G0/660
FVH (80°-90°)	24.3	0.2			G1/100
BL (0°-30°)	1150.0	9.0	B3/2500		
BM (30°-60°)	4709.6	36.8	B3/5000		
BH (60°-80°)	514.2	4.0	B2/1000		G0/660
BVH (80°-90°)	24.3	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°	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4	2336.4
2.5°	2364.2	2353.4	2334.8	2348.7	2359.6	2336.4	2345.6	2350.3	2347.2	2334.8	2339.5
5°	2398.2	2392.0	2376.6	2387.4	2373.5	2373.5	2364.2	2351.8	2370.4	2367.3	2375.0
7.5°	2398.2	2390.5	2421.4	2401.3	2407.5	2407.5	2392.0	2379.7	2388.9	2375.0	2367.3
10°	2446.1	2457.0	2443.0	2447.7	2444.6	2455.4	2432.2	2424.5	2416.8	2412.1	2402.8
12.5°	2503.4	2495.6	2500.3	2497.2	2508.0	2480.2	2466.2	2449.2	2463.1	2443.0	2457.0
15°	2549.7	2545.1	2549.7	2562.1	2551.3	2549.7	2525.0	2508.0	2486.3	2491.0	2469.3
17.5°	2613.1	2608.5	2610.0	2620.9	2619.3	2611.6	2593.0	2560.6	2552.8	2540.5	2526.5
20°	2707.5	2699.7	2696.6	2701.3	2709.0	2715.2	2678.1	2665.7	2639.4	2619.3	2596.1
22.5°	2787.9	2784.8	2797.1	2777.0	2794.0	2812.6	2777.0	2770.9	2705.9	2695.1	2670.3
25°	2899.2	2894.5	2886.8	2916.2	2936.3	2934.8	2900.7	2866.7	2817.2	2804.9	2804.9
27.5°	3016.7	2990.4	3030.6	3038.3	3073.9	3084.7	3055.4	3005.9	2959.5	2933.2	2939.4
30°	3163.6	3138.9	3148.1	3203.8	3250.2	3290.4	3216.2	3143.5	3078.6	3032.2	3024.4
32.5°	3310.5	3285.7	3313.6	3367.7	3460.5	3520.8	3448.1	3321.3	3245.5	3177.5	3191.4
35°	3429.5	3448.1	3492.9	3574.9	3670.8	3768.2	3652.2	3554.8	3446.6	3370.8	3381.6
37.5°	3621.3	3678.5	3714.1	3808.4	3944.4	4044.9	3924.3	3797.5	3681.6	3582.6	3548.6
40°	3871.8	3910.4	3950.6	4062.0	4222.8	4323.3	4208.8	4043.4	3929.0	3826.9	3822.3
42.5°	4147.0	4184.1	4225.9	4361.9	4457.8	4533.6	4428.4	4340.3	4213.5	4133.1	4128.4
45°	4467.1	4440.8	4487.2	4576.9	4657.3	4706.7	4638.7	4595.4	4504.2	4430.0	4422.2
47.5°	4680.4	4657.3	4740.8	4821.2	4833.5	4779.4	4793.3	4833.5	4737.7	4615.5	4654.2
50°	4804.1	4804.1	4859.8	4934.0	4910.8	4841.3	4951.0	4954.1	4858.3	4750.0	4750.0
52.5°	4589.2	4637.2	4794.9	5037.6	5114.9	5135.0	5110.3	5005.2	4754.7	4533.6	4522.7
55°	3998.6	3987.7	4201.1	4757.8	5207.7	5445.8	5130.4	4646.4	4137.7	3888.8	3864.0
57.5°	2600.8	2613.1	2931.7	3499.1	4310.9	4754.7	4222.8	3542.4	2931.7	2588.4	2620.9
60°	1170.5	1212.2	1405.5	1829.2	2526.5	2888.4	2532.7	1922.0	1475.1	1280.3	1297.3
62.5°	672.6	680.3	688.1	816.4	1076.2	1272.6	1117.9	862.8	760.7	726.7	726.7
65°	567.5	562.8	564.4	575.2	603.0	643.2	626.2	603.0	606.1	603.0	598.4
67.5°	482.4	488.6	484.0	491.7	493.2	499.4	510.3	519.5	521.1	524.2	521.1
70°	395.8	397.4	400.5	406.7	408.2	412.8	428.3	436.0	440.7	440.7	446.9
72.5°	303.1	301.5	304.6	310.8	318.5	320.1	334.0	344.8	351.0	343.3	344.8
75°	199.5	201.0	205.6	210.3	221.1	231.9	236.6	247.4	248.9	252.0	244.3
77.5°	119.1	122.2	126.8	136.1	145.3	154.6	165.4	173.2	176.3	173.2	163.9
80°	77.3	77.3	83.5	91.2	102.1	109.8	116.0	122.2	126.8	122.2	119.1
82.5°	47.9	47.9	55.7	64.9	72.7	77.3	86.6	94.3	99.0	95.9	91.2
85°	24.7	26.3	32.5	40.2	46.4	49.5	47.9	43.3	38.7	37.1	34.0
87.5°	7.7	7.7	9.3	9.3	7.7	7.7	9.3	7.7	9.3	9.3	9.3
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)