

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: P528148

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12052 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

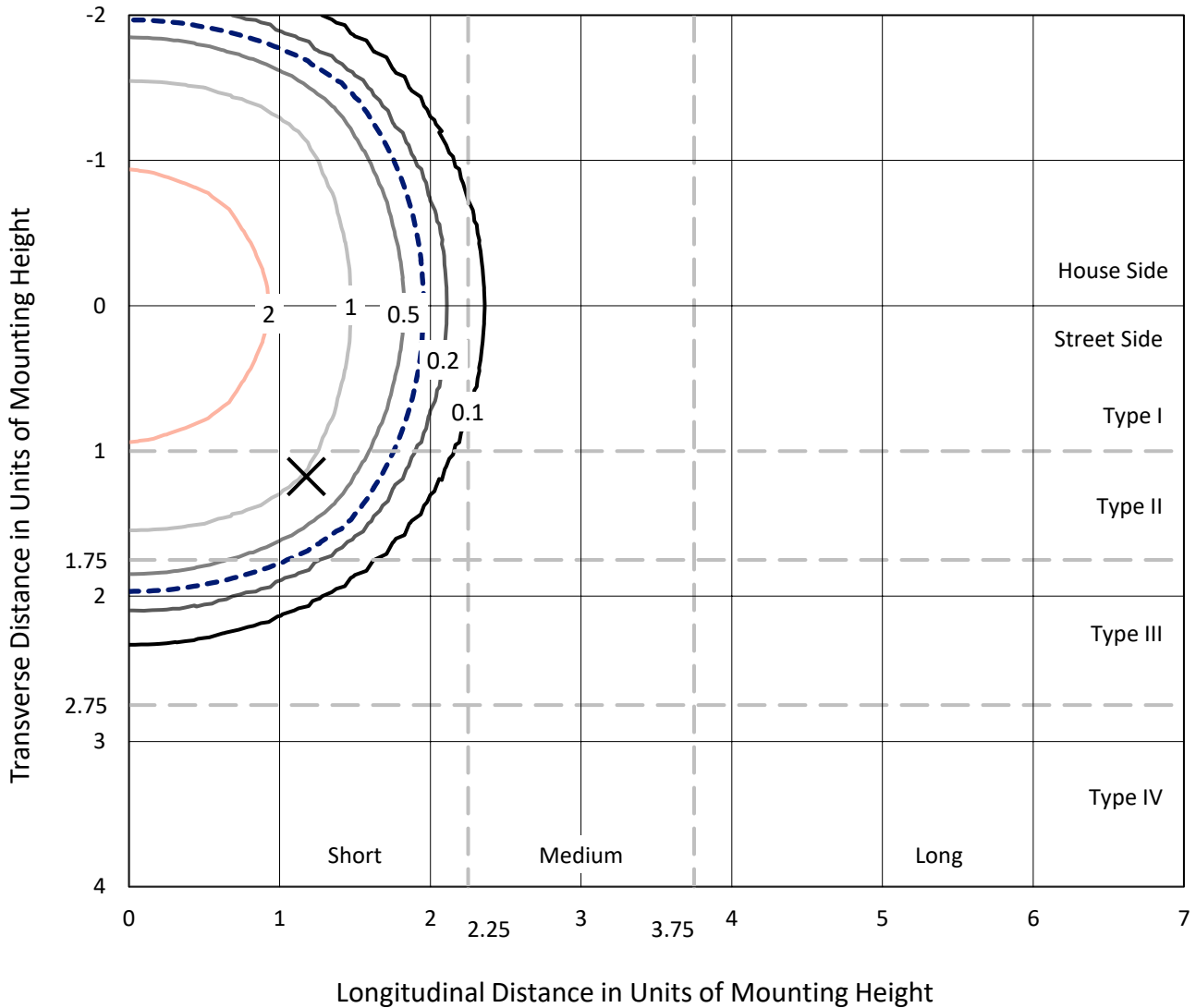
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

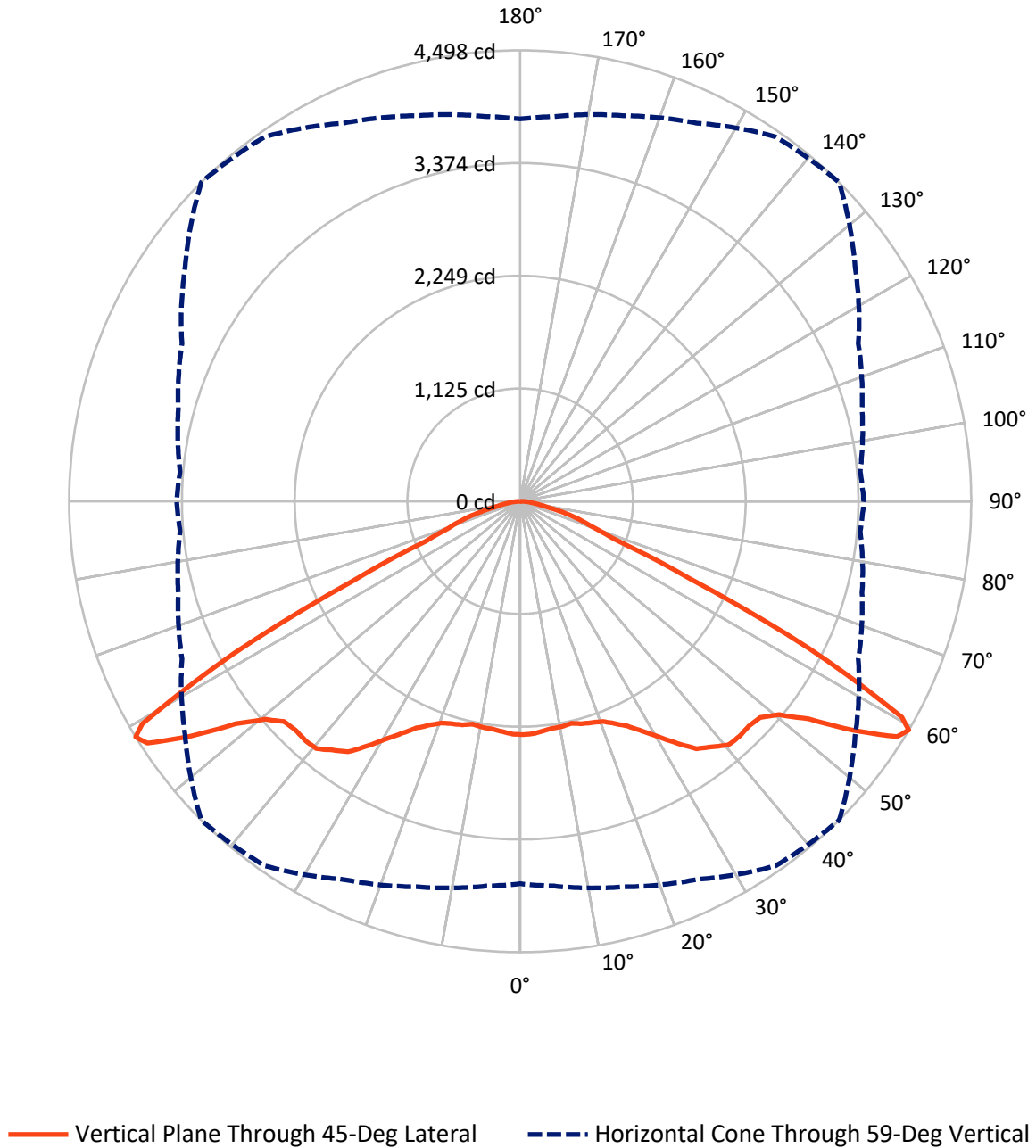
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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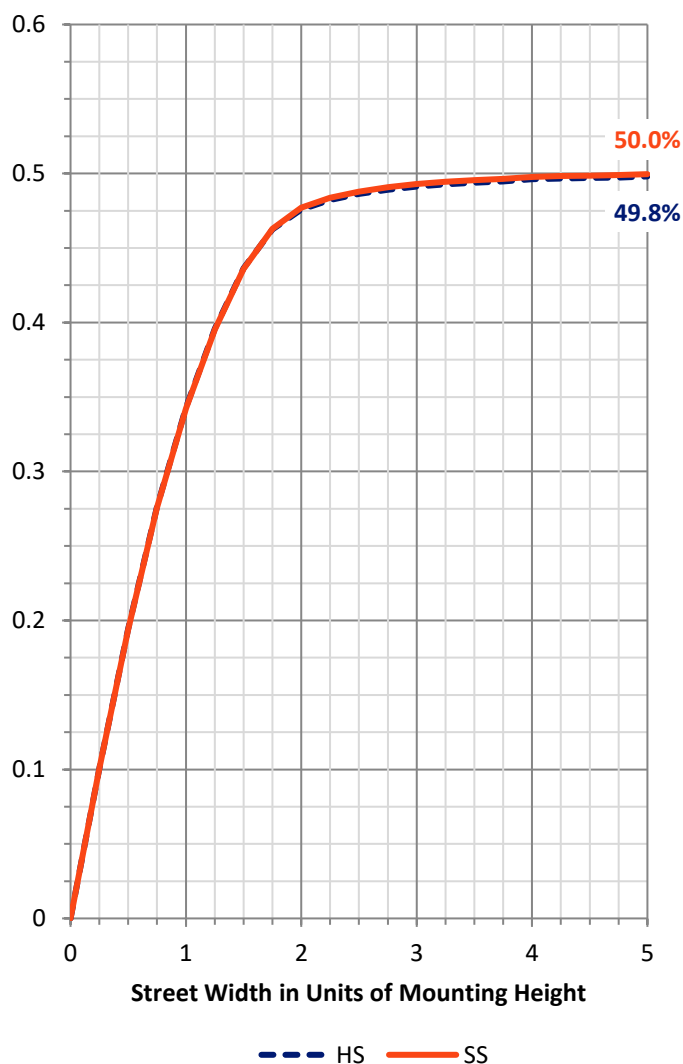
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6026.0	0.0	6026.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6026.0	0.0	6026.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12052.0	0.0	12052.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	1.8
10°-20°	652.6	5.4
20°-30°	1139.5	9.5
30°-40°	1819.9	15.1
40°-50°	2479.1	20.6
50°-60°	3352.4	27.8
60°-70°	1838.5	15.3
70°-80°	470.3	3.9
80°-90°	80.2	0.7
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°	12052.0	100.0
0°-180°	12052.0	100.0

Coefficient of Utilization

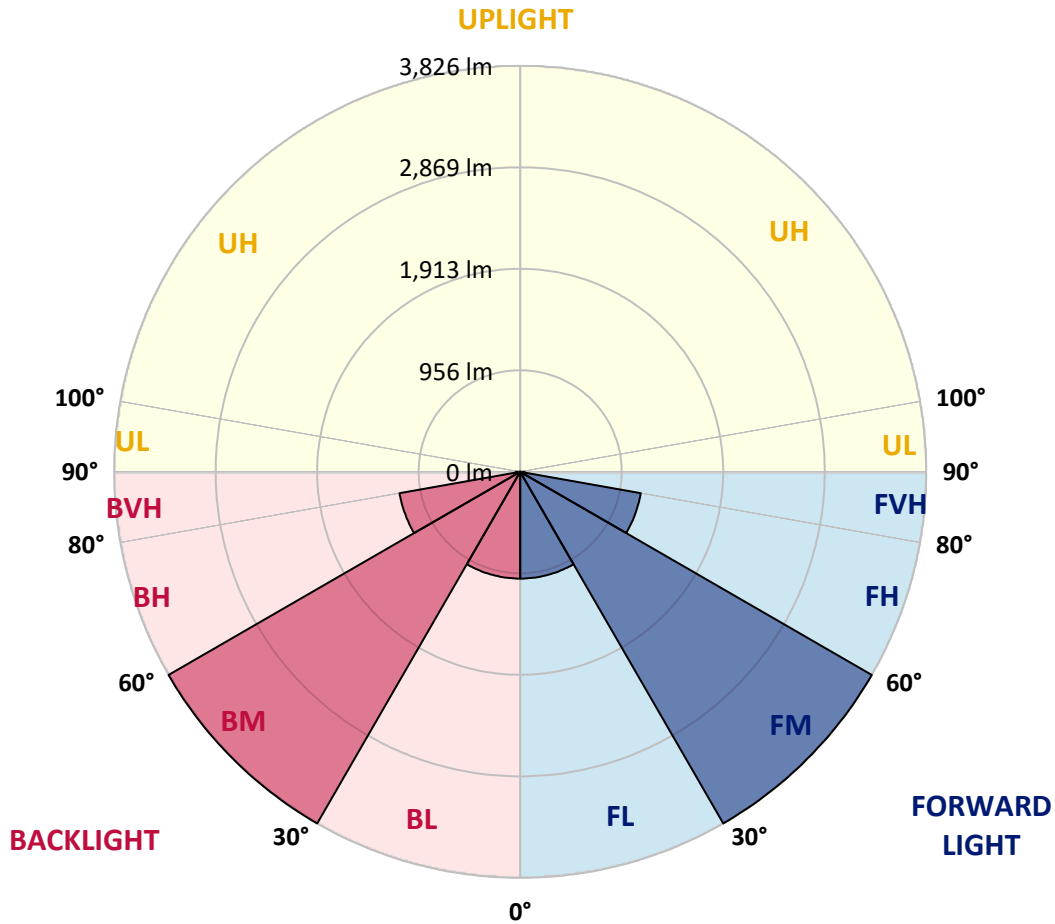


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1005.8	8.3			
FM (30°-60°)	3825.7	31.7			
FH (60°-80°)	1154.4	9.6			G1/1800
FVH (80°-90°)	40.1	0.3			G1/100
BL (0°-30°)	1005.8	8.3	B3/2500		
BM (30°-60°)	3825.7	31.7	B3/5000		
BH (60°-80°)	1154.4	9.6	B3/2500		G1/1800
BVH (80°-90°)	40.1	0.3			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°	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9	2327.9
2.5°	2314.0	2331.0	2318.6	2329.4	2327.9	2323.2	2315.5	2310.9	2304.7	2314.0	2298.5
5°	2304.7	2318.6	2332.5	2314.0	2314.0	2304.7	2300.1	2290.8	2290.8	2289.3	2287.7
7.5°	2320.1	2306.2	2300.1	2303.2	2306.2	2286.2	2300.1	2281.5	2266.1	2276.9	2289.3
10°	2306.2	2312.4	2289.3	2300.1	2283.1	2286.2	2276.9	2289.3	2272.3	2272.3	2272.3
12.5°	2320.1	2303.2	2310.9	2303.2	2298.5	2272.3	2284.6	2270.7	2269.2	2284.6	2270.7
15°	2348.0	2320.1	2314.0	2298.5	2303.2	2303.2	2290.8	2292.3	2275.4	2284.6	2287.7
17.5°	2338.7	2323.2	2318.6	2300.1	2315.5	2320.1	2297.0	2281.5	2292.3	2290.8	2289.3
20°	2346.4	2352.6	2348.0	2351.0	2357.2	2344.9	2323.2	2301.6	2287.7	2307.8	2306.2
22.5°	2395.8	2389.7	2386.6	2383.5	2394.3	2406.6	2377.3	2343.3	2343.3	2357.2	2363.4
25°	2436.0	2434.5	2432.9	2446.8	2483.9	2483.9	2446.8	2403.6	2392.7	2402.0	2394.3
27.5°	2494.7	2511.7	2505.5	2530.2	2584.3	2596.6	2547.2	2496.2	2466.9	2456.1	2470.0
30°	2629.1	2609.0	2613.6	2639.9	2687.8	2727.9	2652.3	2598.2	2558.0	2556.5	2562.7
32.5°	2718.7	2734.1	2748.0	2772.7	2848.4	2879.3	2788.2	2700.1	2675.4	2661.5	2666.2
35°	2897.9	2884.0	2880.9	2905.6	2981.3	3032.3	2917.9	2840.7	2808.3	2839.2	2839.2
37.5°	3067.8	3029.2	2999.8	3032.3	3101.8	3107.9	3010.6	2968.9	2951.9	2987.5	2985.9
40°	3148.1	3145.0	3077.1	3095.6	3188.3	3197.5	3106.4	3057.0	3053.9	3100.2	3146.6
42.5°	3231.5	3202.2	3134.2	3146.6	3203.7	3206.8	3120.3	3106.4	3140.4	3185.2	3188.3
45°	3245.4	3220.7	3177.5	3146.6	3188.3	3197.5	3146.6	3155.8	3158.9	3213.0	3213.0
47.5°	3273.2	3270.1	3245.4	3222.3	3230.0	3222.3	3189.8	3203.7	3250.1	3276.3	3264.0
50°	3350.5	3318.0	3342.7	3322.7	3324.2	3345.8	3316.5	3330.4	3321.1	3297.9	3282.5
52.5°	3520.4	3504.9	3526.6	3540.5	3555.9	3605.3	3571.4	3497.2	3427.7	3365.9	3364.4
55°	3769.1	3779.9	3821.6	3892.7	3952.9	4031.7	3867.9	3690.3	3579.1	3481.8	3487.9
57.5°	4003.9	3996.2	4053.3	4215.5	4391.6	4431.8	4110.5	3857.1	3676.4	3614.6	3588.3
59°	3815.4	3852.5	3982.2	4163.0	4439.5	4498.2	4078.0	3721.2	3529.7	3404.5	3426.2
60°	3518.8	3532.7	3648.6	3900.4	4274.2	4374.6	3860.2	3511.1	3256.2	3183.6	3216.1
62.5°	2487.0	2476.2	2559.6	2765.0	3100.2	3236.2	2870.1	2624.5	2463.8	2383.5	2402.0
65°	1322.3	1371.7	1405.7	1533.9	1711.5	1855.2	1703.8	1597.2	1507.6	1441.2	1439.7
67.5°	892.8	886.7	894.4	923.7	984.0	1024.1	1021.0	967.0	959.3	946.9	960.8
70°	752.3	749.2	735.3	735.3	747.6	756.9	767.7	773.9	786.3	801.7	800.2
72.5°	610.2	602.4	593.2	588.5	604.0	608.6	622.5	628.7	639.5	638.0	651.9
75°	403.2	403.2	414.0	426.3	431.0	440.2	441.8	460.3	460.3	463.4	451.1
77.5°	225.5	219.3	227.1	239.4	250.2	267.2	284.2	298.1	305.9	302.8	302.8
80°	131.3	131.3	139.0	152.9	166.8	182.3	194.6	205.4	213.2	210.1	203.9
82.5°	81.9	81.9	89.6	103.5	114.3	123.6	140.6	154.5	163.7	160.6	152.9
85°	41.7	41.7	51.0	60.2	74.1	80.3	78.8	72.6	71.1	63.3	63.3
87.5°	10.8	10.8	15.4	17.0	13.9	15.4	15.4	15.4	15.4	15.4	17.0
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)