

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: P652292

Luminaire Tested: **GALN-SA3B-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652292
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14260.8 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

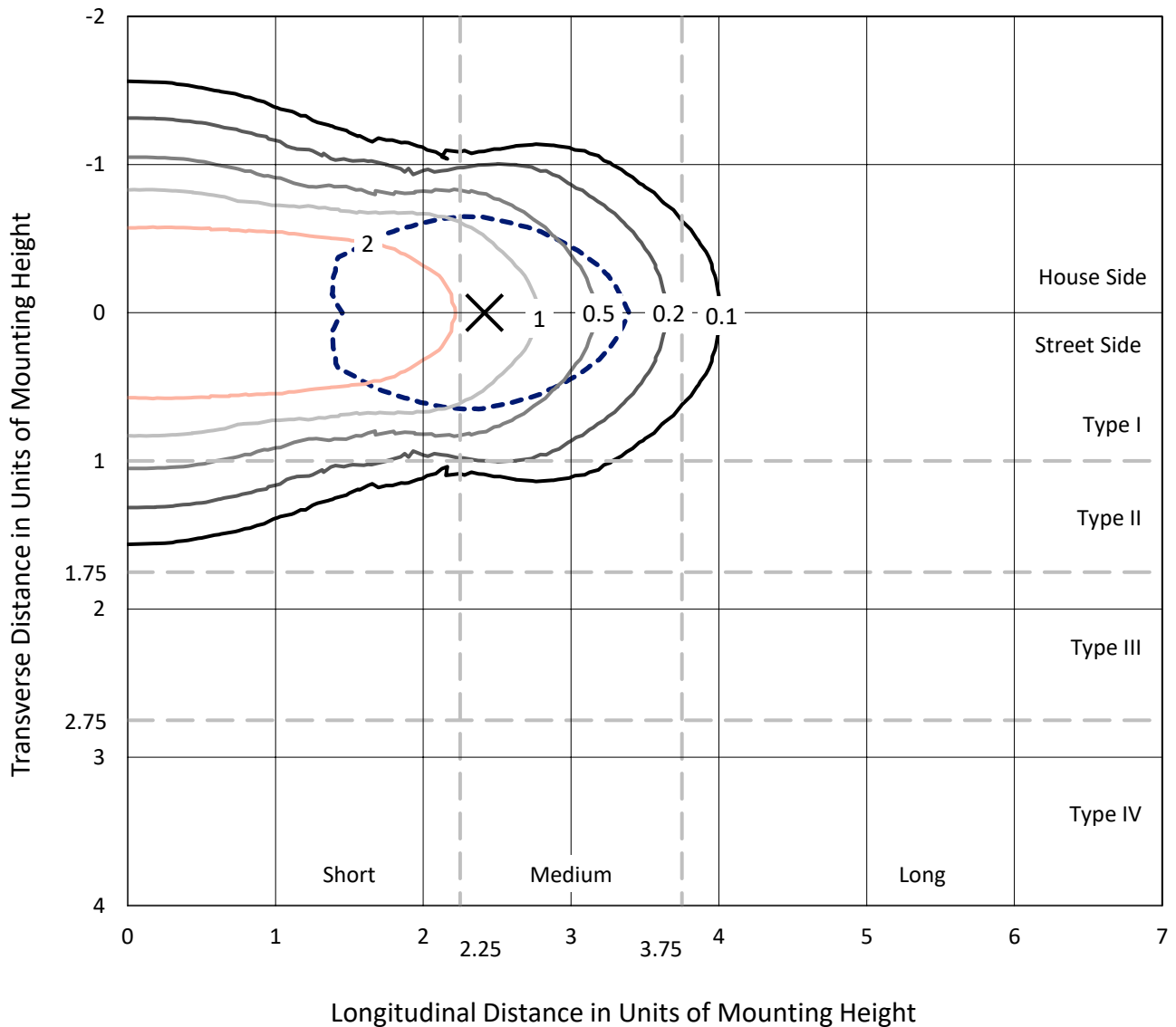
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

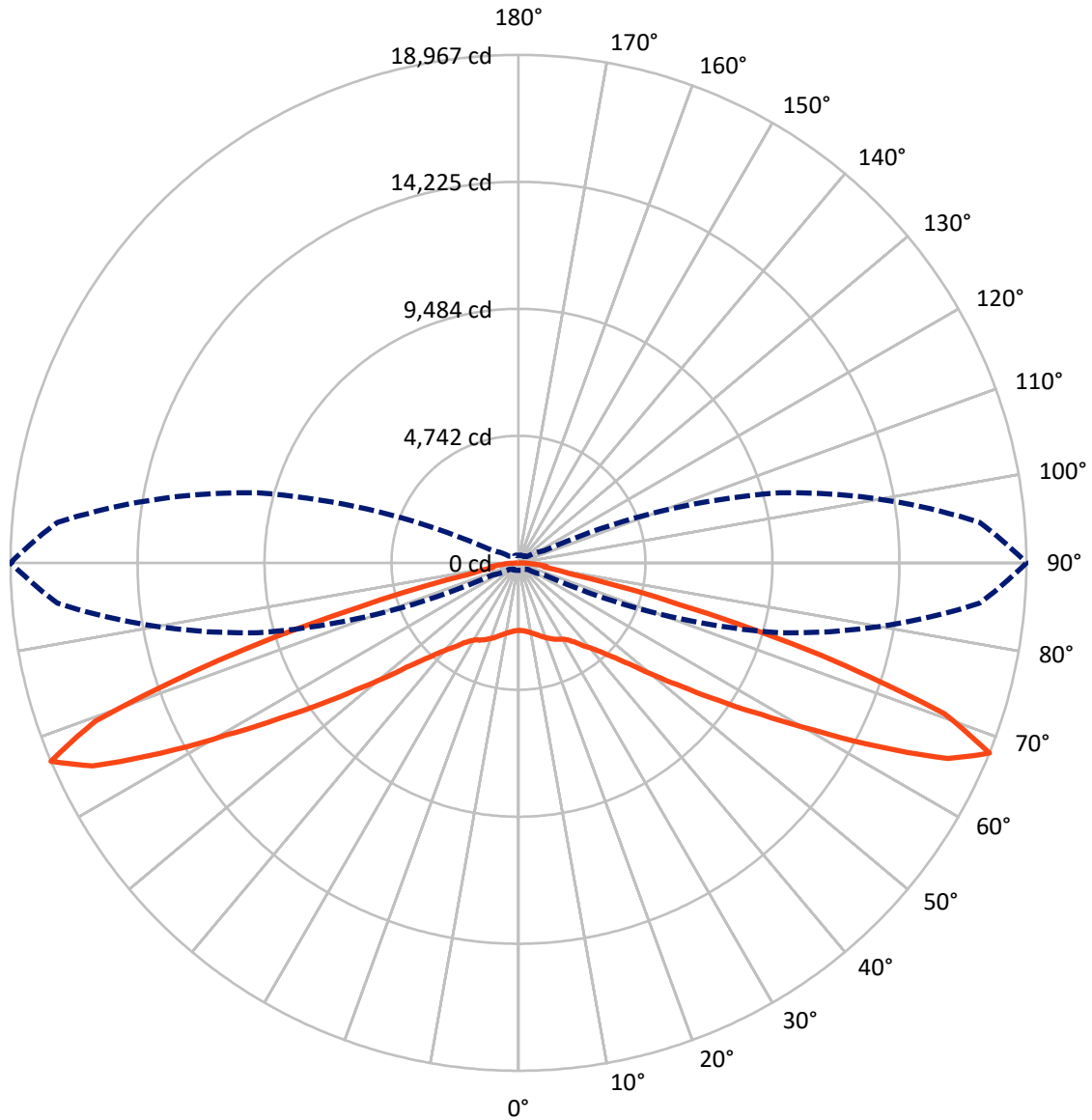
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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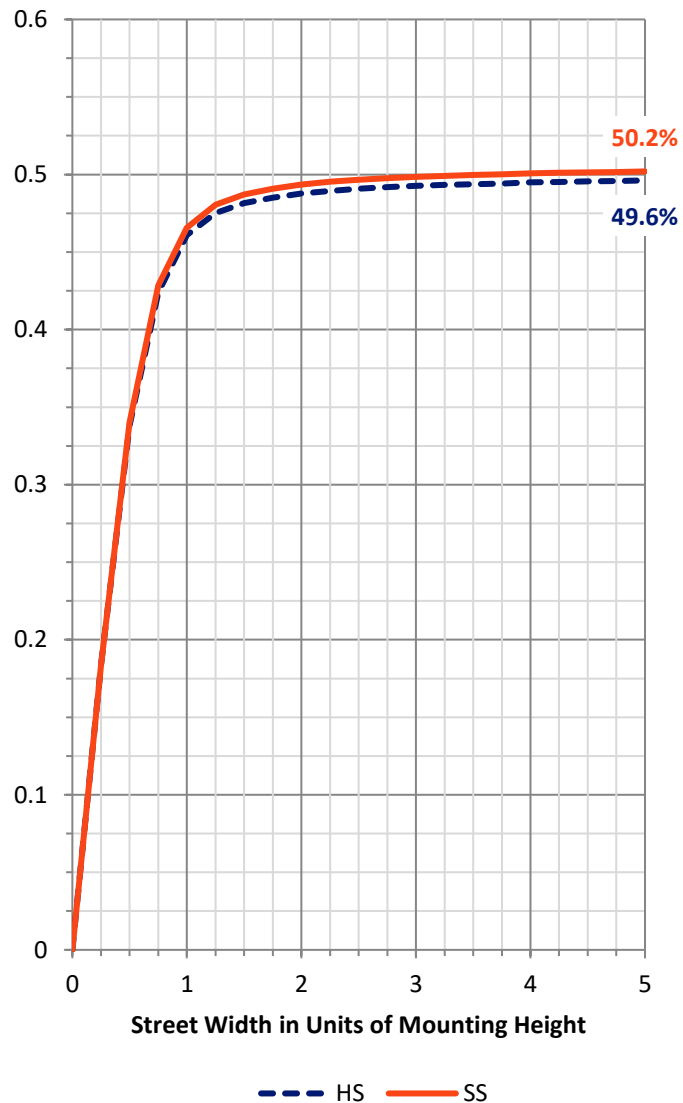
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7130.4	0.0	7130.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7130.4	0.0	7130.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	14260.8	0.0	14260.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	1.8
10°-20°	805.3	5.6
20°-30°	1347.9	9.5
30°-40°	1826.0	12.8
40°-50°	2313.0	16.2
50°-60°	2889.5	20.3
60°-70°	3396.5	23.8
70°-80°	1299.3	9.1
80°-90°	131.6	0.9
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°	14260.8	100.0
0°-180°	14260.8	100.0

Coefficient of Utilization

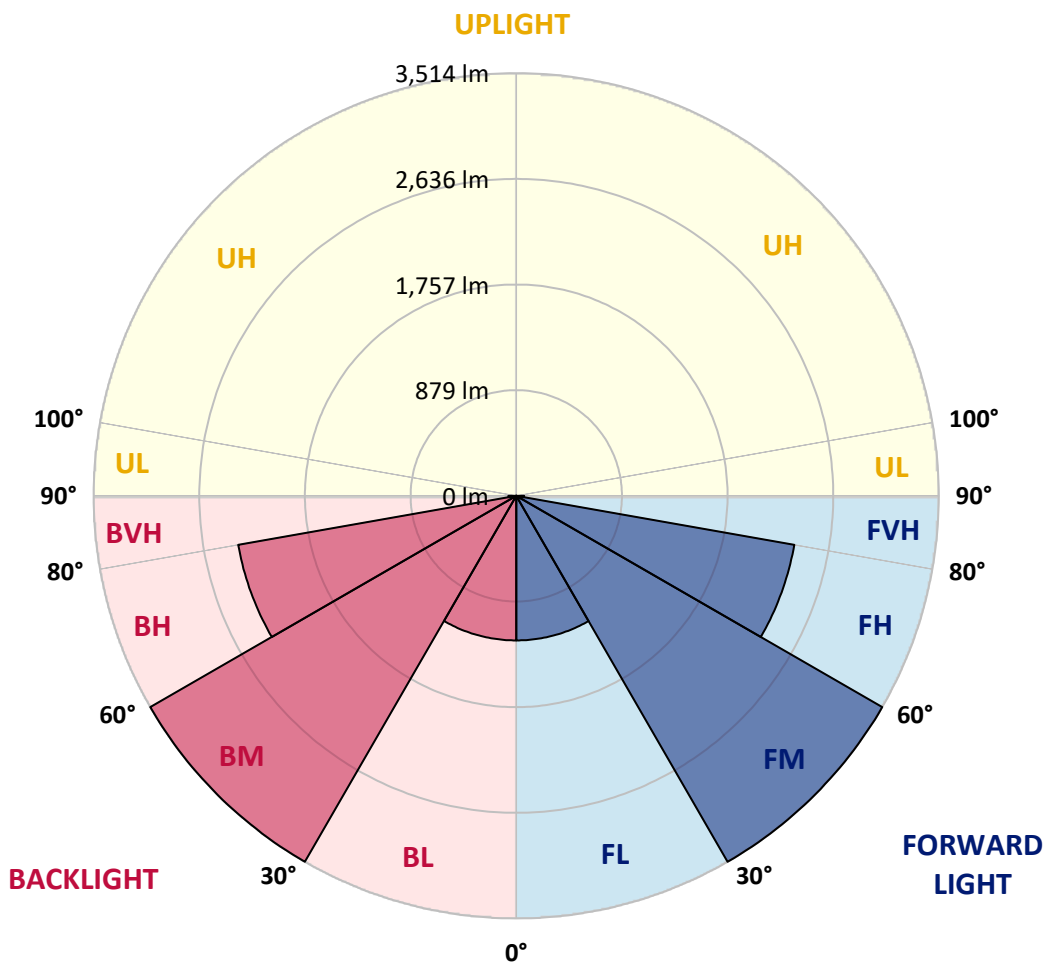


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1202.5	8.4			
FM (30°-60°)	3514.3	24.6			
FH (60°-80°)	2347.9	16.5			G2/5000
FVH (80°-90°)	65.8	0.5			G1/100
BL (0°-30°)	1202.5	8.4	B3/2500		
BM (30°-60°)	3514.3	24.6	B3/5000		
BH (60°-80°)	2347.9	16.5	B3/2500		G3/2500
BVH (80°-90°)	65.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6	2524.6
2.5°	2557.0	2555.4	2556.2	2555.4	2557.8	2556.2	2546.7	2538.8	2532.5	2533.3	2530.9
5°	2611.5	2612.2	2613.1	2609.1	2614.7	2611.5	2596.5	2583.8	2571.2	2566.5	2564.9
7.5°	2656.5	2660.4	2662.8	2666.7	2676.2	2676.2	2668.3	2650.2	2622.6	2606.8	2605.9
10°	2701.5	2704.7	2711.8	2724.4	2740.2	2755.2	2752.0	2727.5	2692.0	2665.2	2658.8
12.5°	2717.3	2721.2	2744.9	2781.3	2816.8	2846.0	2846.0	2826.3	2780.4	2739.4	2727.5
15°	2662.0	2669.2	2711.8	2789.2	2882.4	2946.3	2960.5	2932.9	2884.0	2820.7	2806.5
17.5°	2552.3	2569.6	2632.0	2746.5	2901.3	3034.0	3075.0	3061.6	2998.4	2917.8	2901.3
20°	2434.6	2453.5	2519.9	2671.5	2885.5	3085.3	3204.5	3207.7	3129.5	3012.6	2988.2
22.5°	2305.1	2319.3	2404.6	2582.3	2838.1	3097.2	3315.9	3370.4	3264.5	3107.4	3072.7
25°	2159.8	2175.6	2264.8	2456.7	2748.9	3083.7	3417.7	3537.8	3405.9	3208.5	3164.3
27.5°	2020.8	2027.1	2122.7	2317.7	2631.2	3049.0	3492.8	3691.7	3562.2	3292.2	3236.1
30°	1887.4	1902.3	1986.9	2179.5	2496.2	2981.0	3557.5	3867.1	3730.4	3379.8	3308.0
32.5°	1746.0	1764.2	1855.8	2050.8	2361.1	2879.2	3597.0	4059.0	3965.0	3521.9	3445.4
35°	1610.2	1622.0	1714.4	1903.9	2229.2	2760.8	3604.1	4275.3	4267.4	3737.6	3635.7
37.5°	1471.2	1488.6	1581.8	1763.3	2089.5	2635.2	3568.5	4505.2	4632.3	4036.9	3927.0
40°	1337.7	1352.7	1444.3	1627.5	1930.8	2482.0	3484.1	4715.2	5057.9	4344.9	4189.3
42.5°	1192.5	1196.4	1296.7	1483.0	1775.2	2304.3	3362.5	4902.4	5532.5	4757.9	4564.4
45°	1027.4	1037.6	1130.8	1314.1	1596.7	2105.3	3197.4	5057.1	6134.3	5330.3	5066.6
47.5°	862.4	871.0	956.3	1137.1	1401.7	1877.1	2943.2	5192.9	6751.8	6057.6	5711.7
50°	701.2	705.9	775.5	935.8	1182.2	1637.0	2628.0	5236.4	7449.8	7087.4	6646.0
52.5°	554.4	561.5	614.4	739.9	947.6	1353.5	2287.7	5129.0	8264.8	8308.2	7686.0
55°	449.3	451.7	491.1	583.6	740.8	1056.6	1877.1	4829.7	9141.3	9872.6	9078.9
57.5°	386.9	388.5	410.7	462.0	570.1	796.8	1456.2	4263.4	9928.7	11705.5	10685.2
60°	351.4	352.2	364.8	394.8	451.7	611.2	1043.2	3464.3	10705.7	13745.2	12681.5
62.5°	329.3	329.3	338.0	354.6	382.2	469.1	755.7	2499.4	11237.9	15814.9	15142.1
65°	308.0	308.0	314.3	326.1	341.1	383.7	558.3	1629.9	11224.6	17322.5	17617.0
67.5°	283.5	283.5	288.2	300.1	308.7	330.1	431.2	1067.6	10082.7	17289.3	18967.3
70°	254.3	254.3	260.6	270.9	278.0	291.4	340.4	730.5	7407.2	14762.3	16868.4
72.5°	225.1	225.8	229.8	240.0	245.6	253.5	282.7	511.7	4543.8	10051.9	11794.7
75°	192.7	194.3	198.2	208.5	213.2	216.4	238.5	364.8	2298.8	5419.6	6170.6
77.5°	155.6	158.7	161.1	172.2	175.3	180.1	196.6	263.7	1009.2	1947.3	1964.7
80°	113.7	117.7	124.8	135.1	137.4	140.5	150.0	187.1	457.3	889.2	965.8
82.5°	83.7	89.2	80.6	93.9	93.9	90.0	105.8	125.6	210.1	880.5	1053.4
85°	45.8	46.6	41.9	48.2	51.3	50.5	56.1	61.6	101.8	587.5	605.7
87.5°	11.0	11.9	12.6	15.0	18.2	18.2	19.8	17.4	33.1	190.3	109.0
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)