

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: P528328

Luminaire Tested: **GALN-SA3B-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528328
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-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 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: 12158 lumens
Efficiency: N/A
Efficacy: 100.5 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): 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

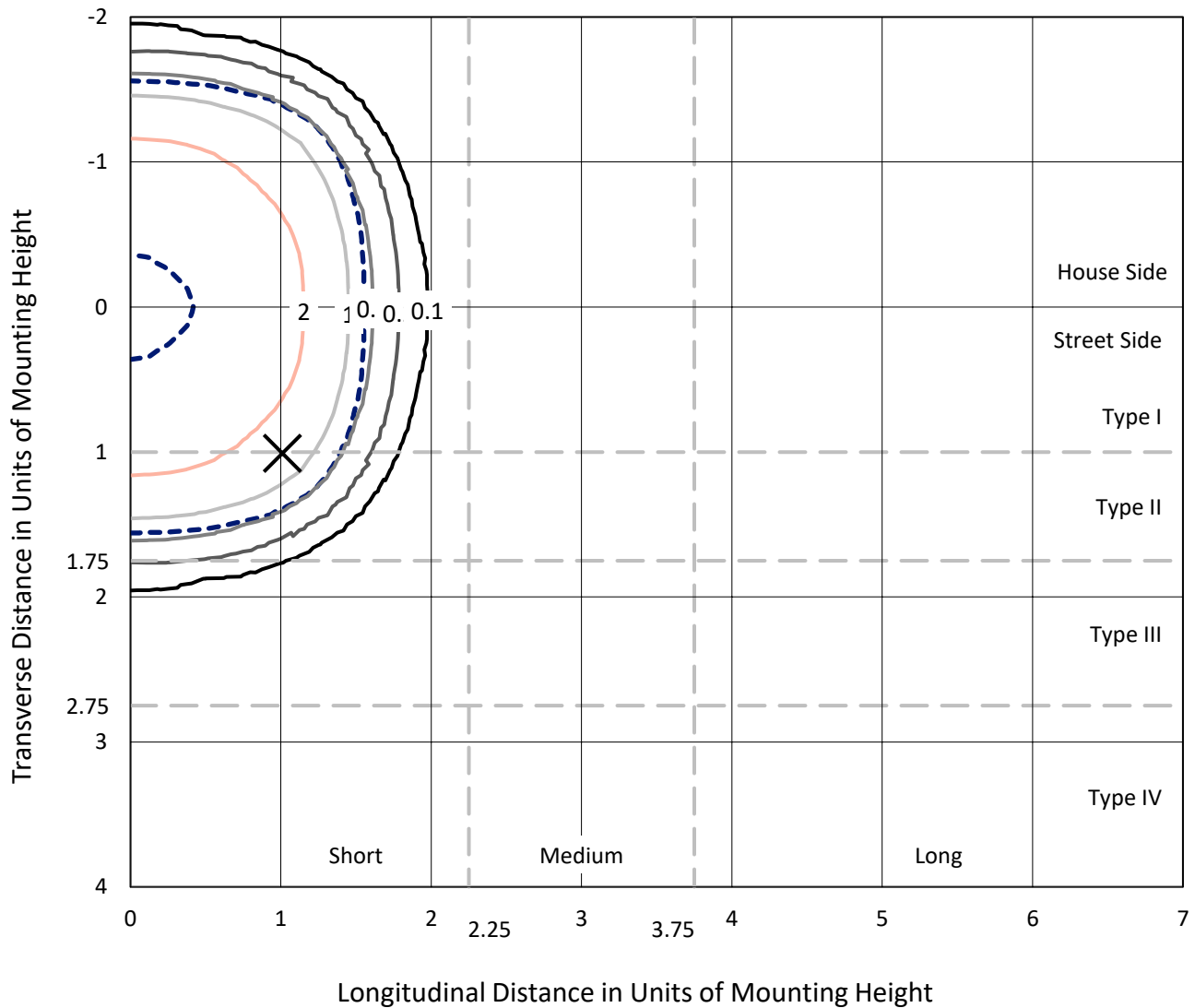


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Iso-Footcandle Lines of Horizontal Illumination

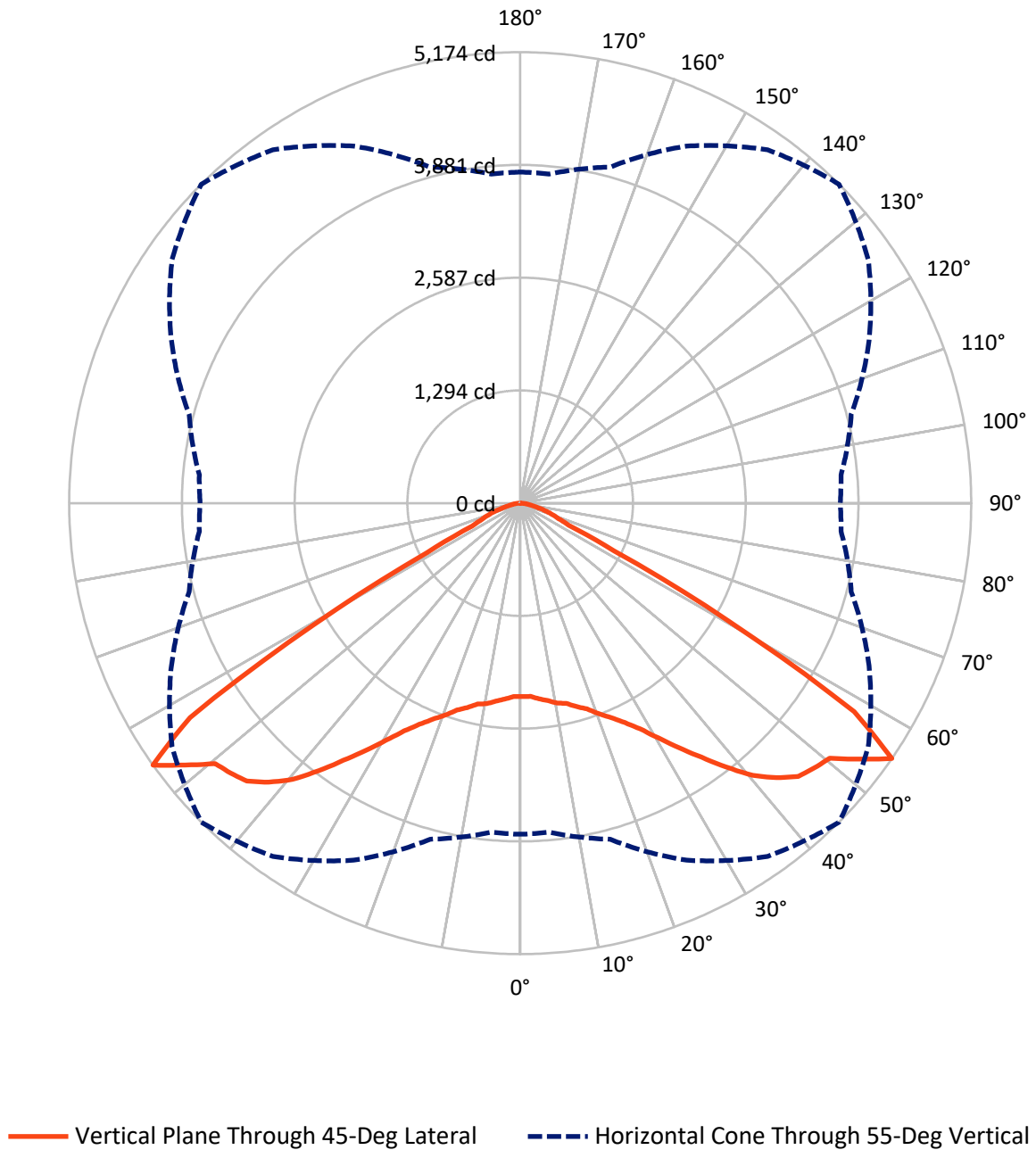
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	6079.0	0.0	6079.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6079.0	0.0	6079.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12158.0	0.0	12158.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.9	1.8
10°-20°	687.1	5.7
20°-30°	1281.3	10.5
30°-40°	2145.3	17.6
40°-50°	3338.2	27.5
50°-60°	3466.1	28.5
60°-70°	735.0	6.0
70°-80°	242.1	2.0
80°-90°	46.1	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°	12158.0	100.0
0°-180°	12158.0	100.0

Coefficient of Utilization



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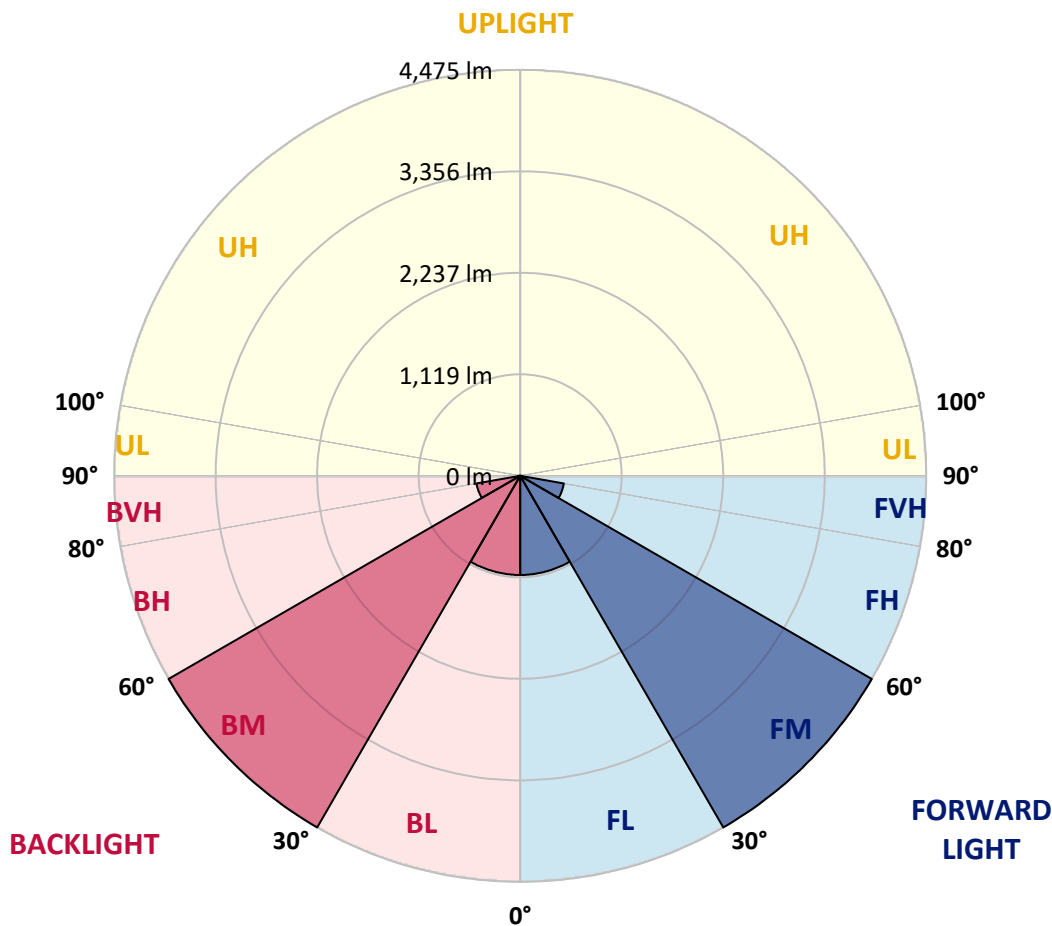
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1092.6	9.0			
FM	(30°-60°)	4474.8	36.8			
FH	(60°-80°)	488.6	4.0			G0/660
FVH	(80°-90°)	23.0	0.2			G1/100
BL	(0°-30°)	1092.6	9.0	B3/2500		
BM	(30°-60°)	4474.8	36.8	B3/5000		
BH	(60°-80°)	488.6	4.0	B1/500		G0/660
BVH	(80°-90°)	23.0	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°	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9	2219.9
2.5°	2246.3	2236.0	2218.4	2231.6	2241.9	2219.9	2228.7	2233.1	2230.2	2218.4	2222.8
5°	2278.6	2272.8	2258.1	2268.4	2255.1	2255.1	2246.3	2234.6	2252.2	2249.3	2256.6
7.5°	2278.6	2271.3	2300.7	2281.6	2287.4	2287.4	2272.8	2261.0	2269.8	2256.6	2249.3
10°	2324.2	2334.5	2321.2	2325.6	2322.7	2333.0	2311.0	2303.6	2296.3	2291.9	2283.0
12.5°	2378.5	2371.2	2375.6	2372.7	2382.9	2356.5	2343.3	2327.1	2340.3	2321.2	2334.5
15°	2422.6	2418.2	2422.6	2434.4	2424.1	2422.6	2399.1	2382.9	2362.4	2366.8	2346.2
17.5°	2482.8	2478.4	2479.9	2490.2	2488.7	2481.4	2463.7	2432.9	2425.5	2413.8	2400.6
20°	2572.5	2565.1	2562.2	2566.6	2573.9	2579.8	2544.5	2532.8	2507.8	2488.7	2466.7
22.5°	2648.9	2645.9	2657.7	2638.6	2654.7	2672.4	2638.6	2632.7	2571.0	2560.7	2537.2
25°	2754.6	2750.2	2742.9	2770.8	2789.9	2788.4	2756.1	2723.8	2676.8	2665.0	2665.0
27.5°	2866.3	2841.3	2879.5	2886.9	2920.6	2930.9	2903.0	2856.0	2811.9	2787.0	2792.8
30°	3005.9	2982.4	2991.2	3044.1	3088.1	3126.3	3055.8	2986.8	2925.1	2881.0	2873.6
32.5°	3145.4	3121.9	3148.4	3199.8	3287.9	3345.2	3276.2	3155.7	3083.7	3019.1	3032.3
35°	3258.6	3276.2	3318.8	3396.7	3487.7	3580.3	3470.1	3377.6	3274.7	3202.7	3213.0
37.5°	3440.7	3495.1	3528.9	3618.5	3747.8	3843.3	3728.7	3608.2	3498.0	3404.0	3371.7
40°	3678.7	3715.5	3753.7	3859.4	4012.2	4107.7	3999.0	3841.8	3733.1	3636.1	3631.7
42.5°	3940.2	3975.5	4015.2	4144.4	4235.5	4307.5	4207.6	4123.9	4003.4	3927.0	3922.6
45°	4244.3	4219.4	4263.4	4348.7	4425.0	4472.1	4407.4	4366.3	4279.6	4209.1	4201.7
47.5°	4447.1	4425.0	4504.4	4580.8	4592.5	4541.1	4554.3	4592.5	4501.4	4385.4	4422.1
50°	4564.6	4564.6	4617.5	4688.0	4666.0	4599.9	4704.2	4707.1	4616.0	4513.2	4513.2
52.5°	4360.4	4405.9	4555.8	4786.5	4859.9	4879.0	4855.5	4755.6	4517.6	4307.5	4297.2
55°	3799.2	3788.9	3991.7	4520.5	4948.1	5174.3	4874.6	4414.8	3931.4	3694.9	3671.4
57.5°	2471.1	2482.8	2785.5	3324.7	4096.0	4517.6	4012.2	3365.8	2785.5	2459.3	2490.2
60°	1112.1	1151.8	1335.4	1738.0	2400.6	2744.4	2406.5	1826.1	1401.6	1216.4	1232.6
62.5°	639.1	646.4	653.8	775.7	1022.5	1209.1	1062.2	819.8	722.8	690.5	690.5
65°	539.2	534.8	536.2	546.5	573.0	611.2	595.0	573.0	575.9	573.0	568.6
67.5°	458.4	464.2	459.8	467.2	468.7	474.5	484.8	493.6	495.1	498.0	495.1
70°	376.1	377.6	380.5	386.4	387.9	392.3	407.0	414.3	418.7	418.7	424.6
72.5°	288.0	286.5	289.4	295.3	302.6	304.1	317.3	327.6	333.5	326.1	327.6
75°	189.5	191.0	195.4	199.8	210.1	220.4	224.8	235.1	236.5	239.5	232.1
77.5°	113.1	116.1	120.5	129.3	138.1	146.9	157.2	164.5	167.5	164.5	155.7
80°	73.5	73.5	79.3	86.7	97.0	104.3	110.2	116.1	120.5	116.1	113.1
82.5°	45.5	45.5	52.9	61.7	69.0	73.5	82.3	89.6	94.0	91.1	86.7
85°	23.5	25.0	30.9	38.2	44.1	47.0	45.5	41.1	36.7	35.3	32.3
87.5°	7.3	7.3	8.8	8.8	7.3	7.3	8.8	7.3	8.8	8.8	8.8
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)