

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: P948569

Luminaire Tested: **GALN-SB3C-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21157 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

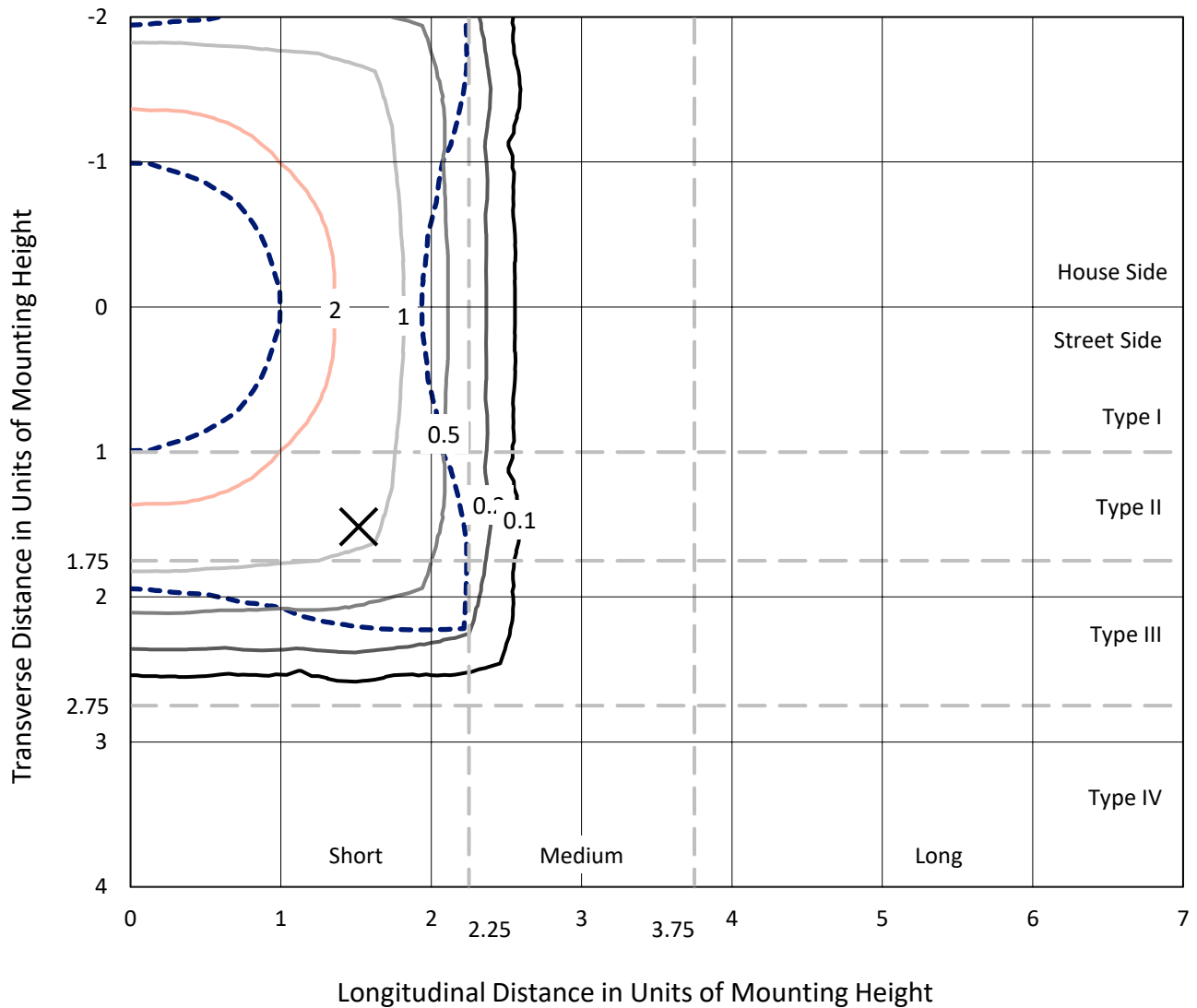
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

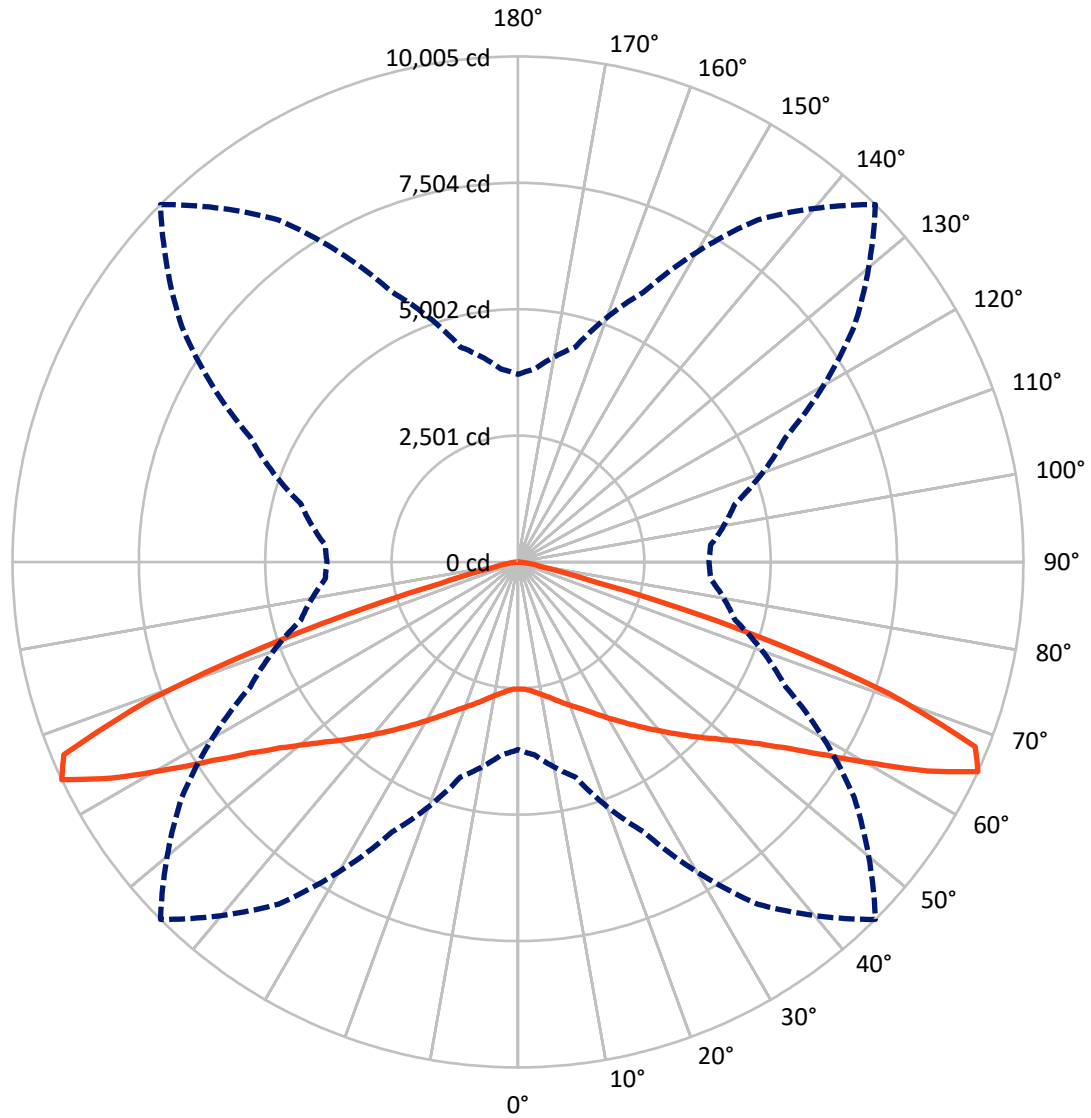
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10578.5	0.0	10578.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10578.5	0.0	10578.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21157.0	0.0	21157.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	1.2
10°-20°	810.8	3.8
20°-30°	1531.0	7.2
30°-40°	2506.9	11.8
40°-50°	3887.0	18.4
50°-60°	5741.9	27.1
60°-70°	5465.8	25.8
70°-80°	882.0	4.2
80°-90°	83.1	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°	21157.0	100.0
0°-180°	21157.0	100.0

Coefficient of Utilization



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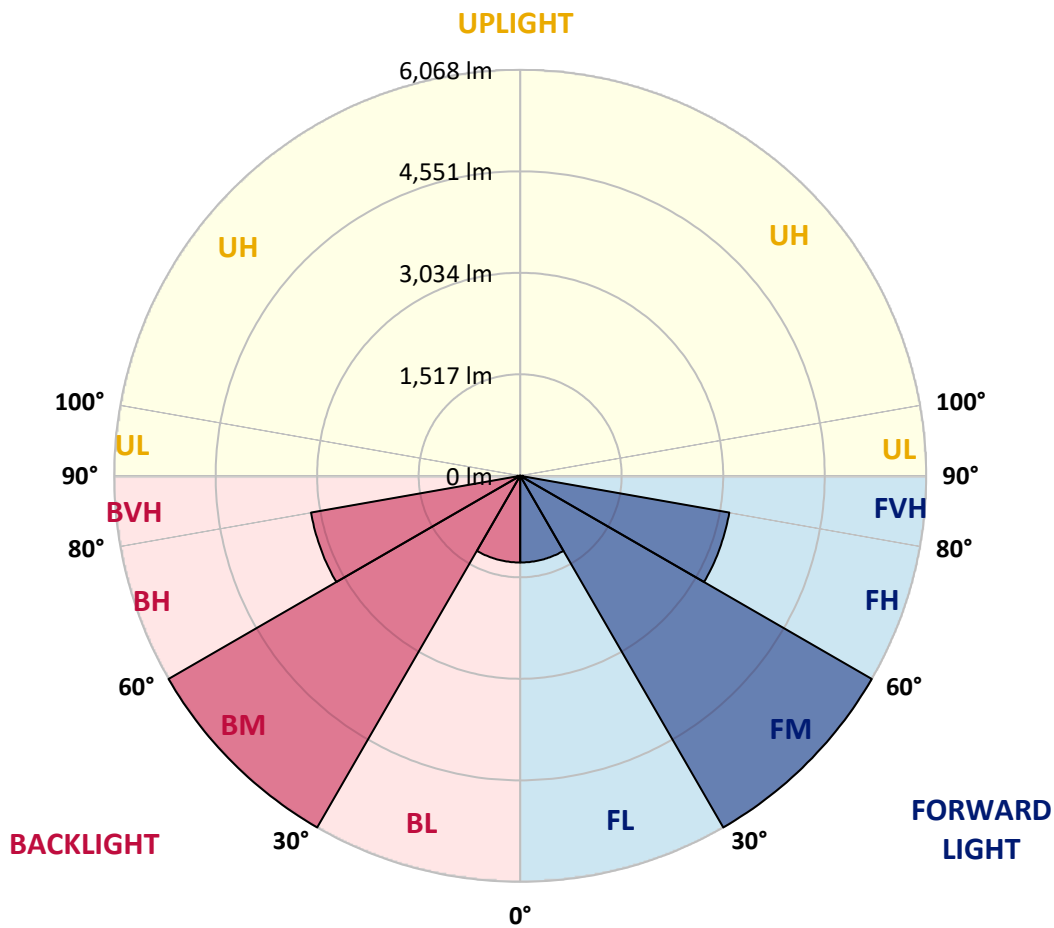
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1295.2	6.1			
FM (30°-60°)	6067.9	28.7			
FH (60°-80°)	3173.9	15.0			G2/5000
FVH (80°-90°)	41.6	0.2			G1/100
BL (0°-30°)	1295.2	6.1	B3/2500		
BM (30°-60°)	6067.9	28.7	B4/8500		
BH (60°-80°)	3173.9	15.0	B4/5000		G2/5000
BVH (80°-90°)	41.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9	2517.9
2.5°	2534.9	2526.4	2532.8	2527.4	2523.2	2519.0	2521.1	2528.5	2531.7	2532.8
5°	2568.8	2561.4	2564.6	2564.6	2557.2	2555.0	2556.1	2561.4	2567.8	2567.8
7.5°	2624.0	2616.6	2624.0	2619.8	2613.4	2611.3	2610.2	2614.5	2624.0	2624.0
10°	2690.9	2682.4	2686.7	2684.6	2677.1	2673.9	2672.9	2679.2	2687.7	2686.7
12.5°	2764.2	2754.6	2759.9	2753.5	2751.4	2748.2	2748.2	2747.2	2752.5	2748.2
15°	2845.9	2839.5	2841.7	2837.4	2840.6	2838.5	2830.0	2825.7	2827.9	2821.5
17.5°	2942.5	2927.6	2935.1	2932.9	2932.9	2937.2	2923.4	2918.1	2922.3	2916.0
20°	3054.0	3039.1	3042.3	3038.0	3032.7	3037.0	3020.0	3024.2	3027.4	3023.2
22.5°	3176.0	3156.9	3155.9	3158.0	3146.3	3147.4	3135.7	3146.3	3152.7	3141.0
25°	3301.3	3281.1	3294.9	3289.6	3274.7	3277.9	3269.4	3280.1	3285.4	3270.5
27.5°	3434.0	3420.2	3432.9	3436.1	3418.1	3430.8	3418.1	3427.6	3432.9	3410.6
30°	3589.0	3575.2	3586.8	3595.3	3574.1	3594.3	3583.6	3590.0	3591.1	3564.5
32.5°	3757.7	3736.5	3766.2	3770.5	3747.1	3771.5	3757.7	3766.2	3771.5	3735.4
35°	3963.7	3937.1	3971.1	3965.8	3945.6	3965.8	3953.1	3965.8	3978.5	3935.0
37.5°	4185.5	4157.9	4194.0	4184.5	4165.4	4179.2	4171.7	4180.2	4200.4	4153.7
40°	4429.7	4395.7	4444.5	4427.5	4409.5	4407.4	4411.6	4416.9	4443.5	4391.5
42.5°	4690.8	4654.7	4728.0	4701.4	4675.9	4659.0	4672.8	4683.4	4708.8	4650.5
45°	4989.1	4947.7	5043.2	5011.4	4971.0	4936.0	4958.3	4974.2	5011.4	4941.3
47.5°	5318.2	5271.4	5373.3	5363.8	5298.0	5221.6	5272.5	5318.2	5345.7	5260.8
50°	5639.8	5603.7	5737.4	5749.1	5668.4	5561.2	5632.4	5701.4	5708.8	5597.3
52.5°	5941.3	5905.2	6099.4	6172.7	6100.5	5973.1	6048.5	6118.5	6062.3	5917.9
55°	6182.2	6152.5	6399.8	6588.8	6613.2	6508.1	6552.7	6550.6	6365.9	6144.0
57.5°	6240.6	6236.4	6548.4	6948.6	7203.4	7216.1	7128.0	6903.0	6504.9	6206.6
60°	5975.2	6001.8	6430.6	7136.5	7815.9	8098.2	7717.2	7074.9	6346.8	5932.8
62.5°	5181.2	5251.3	5768.2	6907.2	8310.5	9113.0	8189.5	6813.8	5697.1	5156.8
65°	3713.2	3835.2	4406.3	5894.5	8266.0	10004.7	8121.6	5846.8	4448.8	3825.7
67.5°	1684.6	1808.8	2293.9	4035.8	7185.3	9762.7	7168.4	4078.3	2408.6	1815.2
70°	610.4	631.6	787.6	1615.6	4592.1	7778.7	4788.5	1627.3	837.5	673.0
72.5°	369.4	372.6	405.5	578.5	1595.4	4722.6	1663.4	597.6	414.0	367.3
75°	234.6	232.5	288.7	353.5	565.8	1593.3	593.4	353.5	287.7	262.2
77.5°	168.8	174.1	207.0	264.3	356.7	540.3	350.3	252.6	207.0	169.8
80°	126.3	129.5	150.7	205.9	250.5	336.5	222.9	186.8	156.0	106.2
82.5°	91.3	91.3	98.7	149.7	152.9	181.5	121.0	131.6	103.0	75.4
85°	54.1	53.1	61.6	89.2	79.6	66.9	55.2	80.7	64.8	46.7
87.5°	19.1	20.2	19.1	25.5	21.2	18.0	17.0	22.3	18.0	15.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2517.9
2532.8
2567.8
2620.9
2684.6
2750.4
2822.5
2921.3
3032.7
3152.7
3287.5
3427.6
3580.5
3759.9
3961.5
4182.3
4408.4
4681.2
4977.4
5289.5
5611.1
5922.1
6151.4
6187.5
5883.9
5125.0
3780.0
1788.6
664.5
373.7
264.3
173.0
109.3
75.4
45.6
14.9
0.0

OF REPORT)