

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: P944230

Luminaire Tested: **GALN-SB9A-830-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37135 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

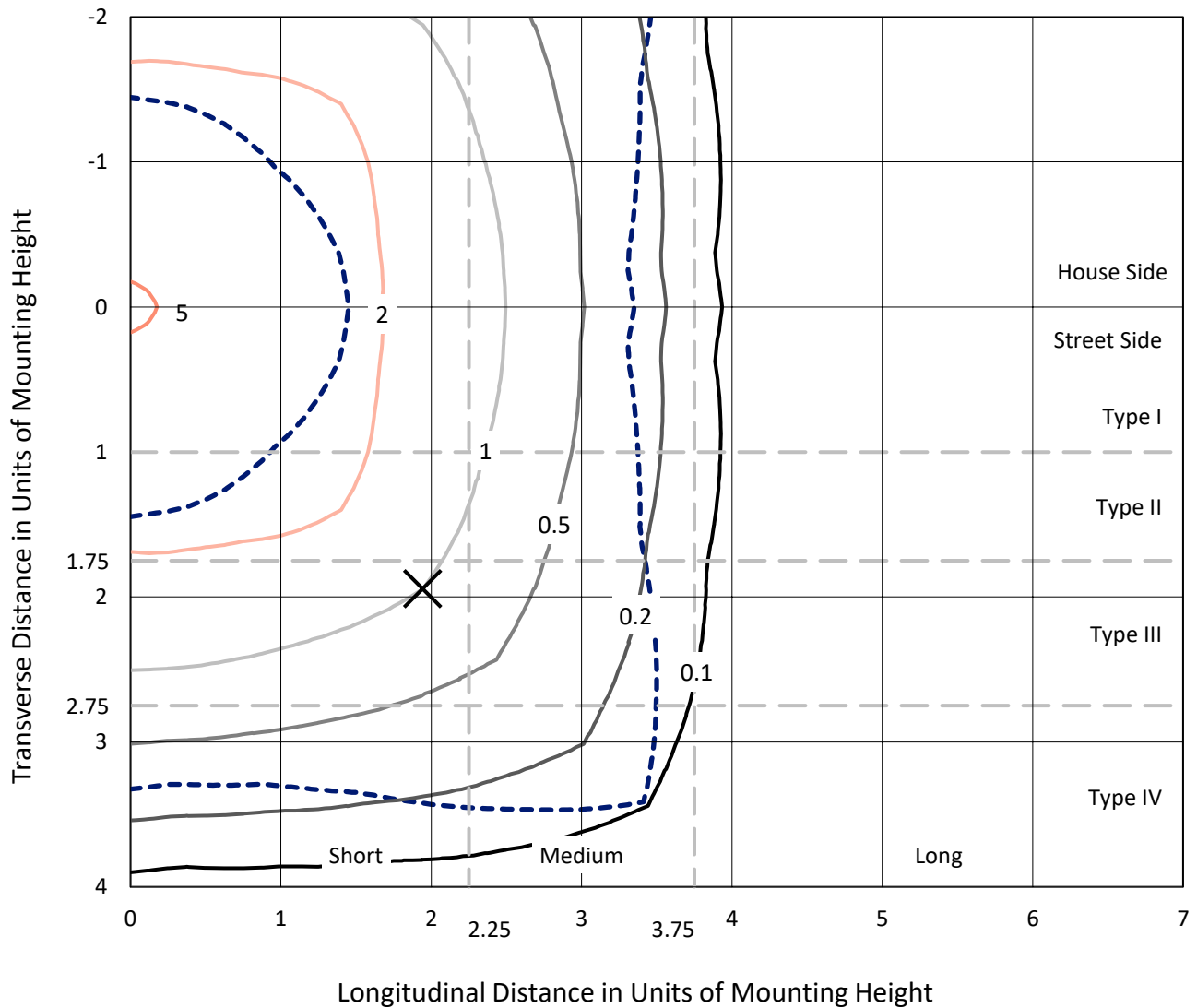
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

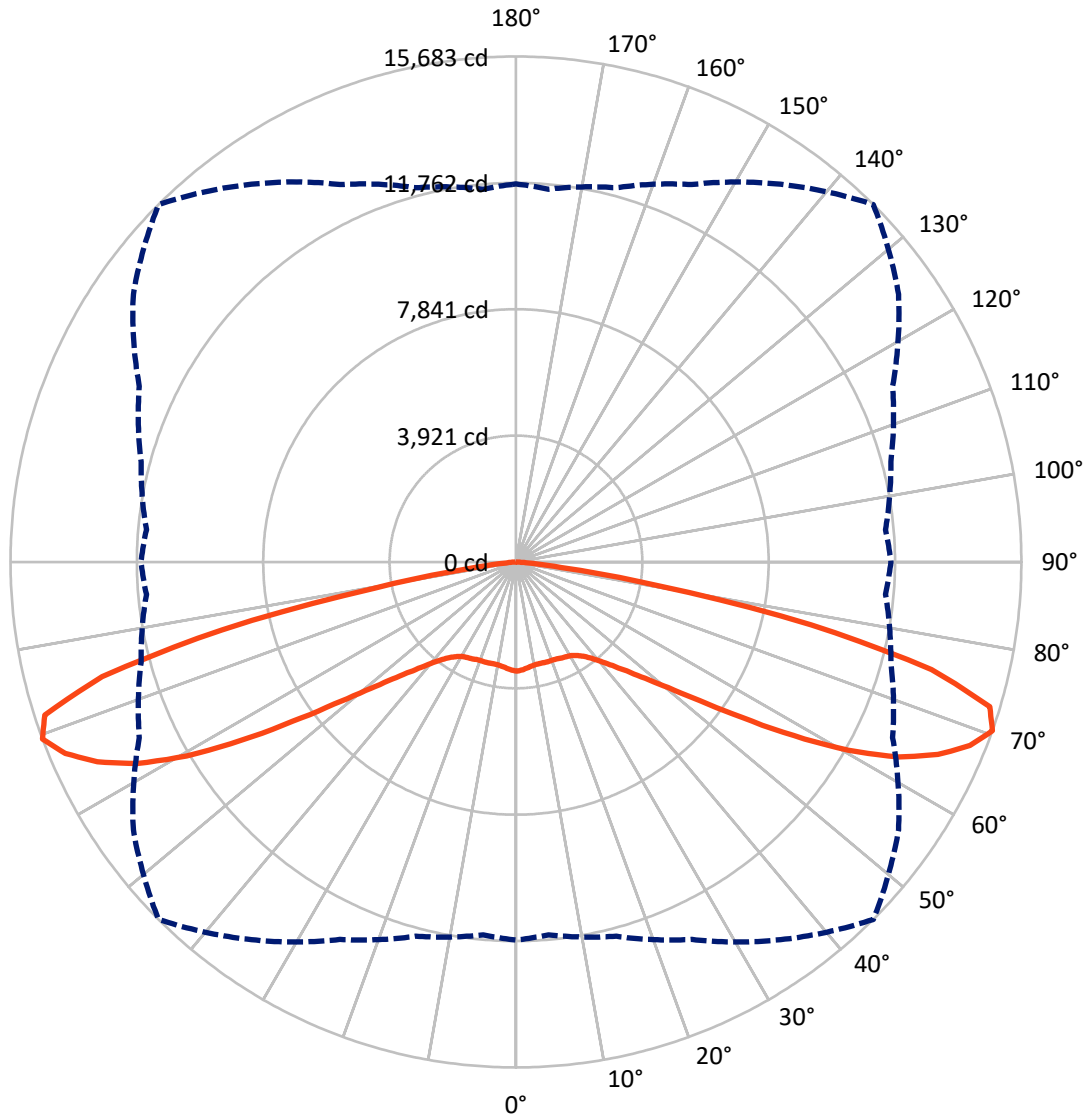
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18567.5	0.0	18567.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18567.5	0.0	18567.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37135.0	0.0	37135.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.1	0.8
10°-20°	925.3	2.5
20°-30°	1539.8	4.1
30°-40°	2328.6	6.3
40°-50°	3869.5	10.4
50°-60°	7301.7	19.7
60°-70°	12329.1	33.2
70°-80°	8101.5	21.8
80°-90°	424.4	1.1
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°	37135.0	100.0
0°-180°	37135.0	100.0

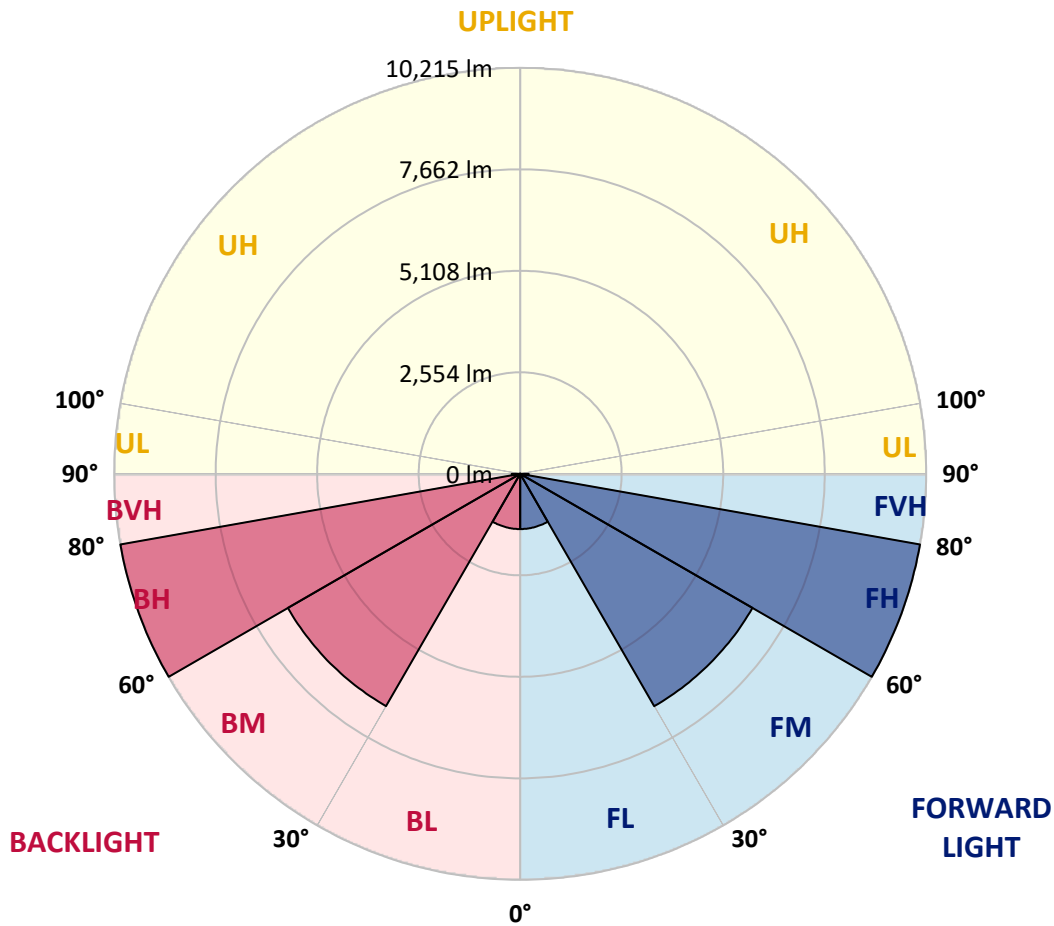


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1390.1	3.7			
FM (30°-60°)	6749.9	18.2			
FH (60°-80°)	10215.3	27.5			G4/12000
FVH (80°-90°)	212.2	0.6			G2/225
BL (0°-30°)	1390.1	3.7	B3/2500		
BM (30°-60°)	6749.9	18.2	B4/8500		
BH (60°-80°)	10215.3	27.5	B5		G4/12000
BVH (80°-90°)	212.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3387.5	3387.5	3387.5	3387.5	3387.5	3387.5	3387.5	3387.5	3387.5	3387.5
2.5°	3366.2	3375.9	3372.0	3364.3	3364.3	3358.5	3364.3	3368.2	3373.9	3377.8
5°	3321.8	3329.6	3327.6	3321.8	3323.8	3318.0	3321.8	3327.6	3331.5	3333.4
7.5°	3283.2	3291.0	3287.1	3277.4	3277.4	3271.6	3273.6	3279.4	3285.2	3287.1
10°	3273.6	3281.3	3269.7	3254.3	3248.5	3240.8	3242.7	3248.5	3260.1	3265.9
12.5°	3277.4	3283.2	3271.6	3248.5	3242.7	3235.0	3235.0	3240.8	3256.2	3263.9
15°	3289.0	3294.8	3277.4	3252.3	3246.6	3240.8	3238.8	3246.6	3263.9	3277.4
17.5°	3310.3	3316.0	3289.0	3254.3	3246.6	3248.5	3246.6	3252.3	3279.4	3304.5
20°	3329.6	3333.4	3296.7	3254.3	3246.6	3248.5	3246.6	3258.1	3292.9	3327.6
22.5°	3335.3	3339.2	3304.5	3267.8	3262.0	3263.9	3262.0	3273.6	3306.4	3341.1
25°	3337.3	3343.1	3316.0	3287.1	3296.7	3300.6	3296.7	3298.7	3323.8	3354.6
27.5°	3366.2	3373.9	3348.9	3323.8	3329.6	3327.6	3333.4	3339.2	3358.5	3389.4
30°	3426.1	3431.9	3410.6	3385.5	3381.7	3368.2	3385.5	3404.8	3426.1	3453.1
32.5°	3524.5	3536.1	3509.1	3482.0	3464.7	3456.9	3470.5	3503.3	3532.2	3561.2
35°	3688.6	3696.3	3671.2	3621.0	3590.1	3590.1	3601.7	3644.2	3690.5	3727.2
37.5°	3920.2	3929.8	3885.4	3825.6	3779.3	3779.3	3794.7	3839.1	3908.6	3960.7
40°	4202.0	4215.5	4159.5	4097.8	4053.4	4045.6	4065.0	4115.1	4180.8	4246.4
42.5°	4541.7	4557.1	4483.8	4429.8	4395.0	4395.0	4404.7	4451.0	4510.8	4591.9
45°	4976.0	5003.0	4902.6	4848.6	4815.8	4823.5	4829.3	4869.8	4923.9	5016.5
47.5°	5493.3	5520.3	5414.1	5358.2	5352.4	5389.1	5365.9	5394.8	5423.8	5530.0
50°	6080.1	6126.4	6053.0	6049.2	6060.8	6128.3	6074.3	6089.7	6056.9	6124.4
52.5°	6798.1	6865.6	6852.1	6875.3	7004.6	7143.6	7020.1	6966.0	6842.5	6863.7
55°	7668.6	7770.9	7790.2	7929.2	8222.6	8506.3	8243.8	8025.7	7763.2	7714.9
57.5°	8658.8	8739.8	8832.5	9116.2	9664.4	10168.2	9664.4	9181.8	8768.8	8670.4
60°	9724.2	9824.6	9913.4	10332.2	11146.8	11855.1	11131.3	10365.0	9818.8	9685.6
62.5°	10868.8	10998.1	11059.9	11525.1	12474.7	13320.1	12488.2	11559.8	10953.8	10810.9
65°	11967.1	12073.3	12142.7	12638.8	13546.0	14393.3	13607.7	12692.8	12069.4	11882.2
67.5°	12478.6	12536.5	12706.4	13268.0	14225.4	15192.4	14387.5	13327.9	12631.1	12302.9
70°	11729.7	11611.9	12021.1	12920.6	14306.5	15682.7	14491.8	12893.6	12040.4	11507.7
72.5°	9064.1	8861.4	9571.7	11110.1	13380.0	15370.0	13472.6	11197.0	10013.8	8932.9
75°	4931.6	4701.9	5682.4	7628.1	10670.0	13322.1	10915.1	7846.2	6327.1	4894.9
77.5°	1391.7	1304.8	2096.2	3690.5	6417.8	9353.6	6664.9	3771.6	2486.1	1474.7
80°	426.6	413.1	559.8	1111.8	2725.4	4479.9	2619.2	1125.3	712.2	449.7
82.5°	252.9	231.6	277.9	405.3	694.9	1407.1	675.6	422.7	339.7	227.8
85°	144.8	135.1	164.1	196.9	233.6	299.2	194.9	200.7	181.4	121.6
87.5°	59.8	54.0	63.7	61.8	54.0	69.5	52.1	61.8	73.3	48.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3387.5
3375.9
3333.4
3287.1
3265.9
3265.9
3279.4
3304.5
3329.6
3341.1
3352.7
3381.7
3447.3
3549.6
3713.7
3941.4
4225.2
4586.1
5012.7
5499.1
6083.9
6792.3
7639.6
8600.9
9569.8
10695.1
11789.5
12306.8
<i>11635.1</i>
9201.2
5213.4
1638.7
474.8
247.1
127.4
44.4
0.0

OF REPORT)