

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: P953588

Luminaire Tested: **GALN-SB7A-835-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953588
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-SB7A-835-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31007 lumens
Efficiency: N/A
Efficacy: 155.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

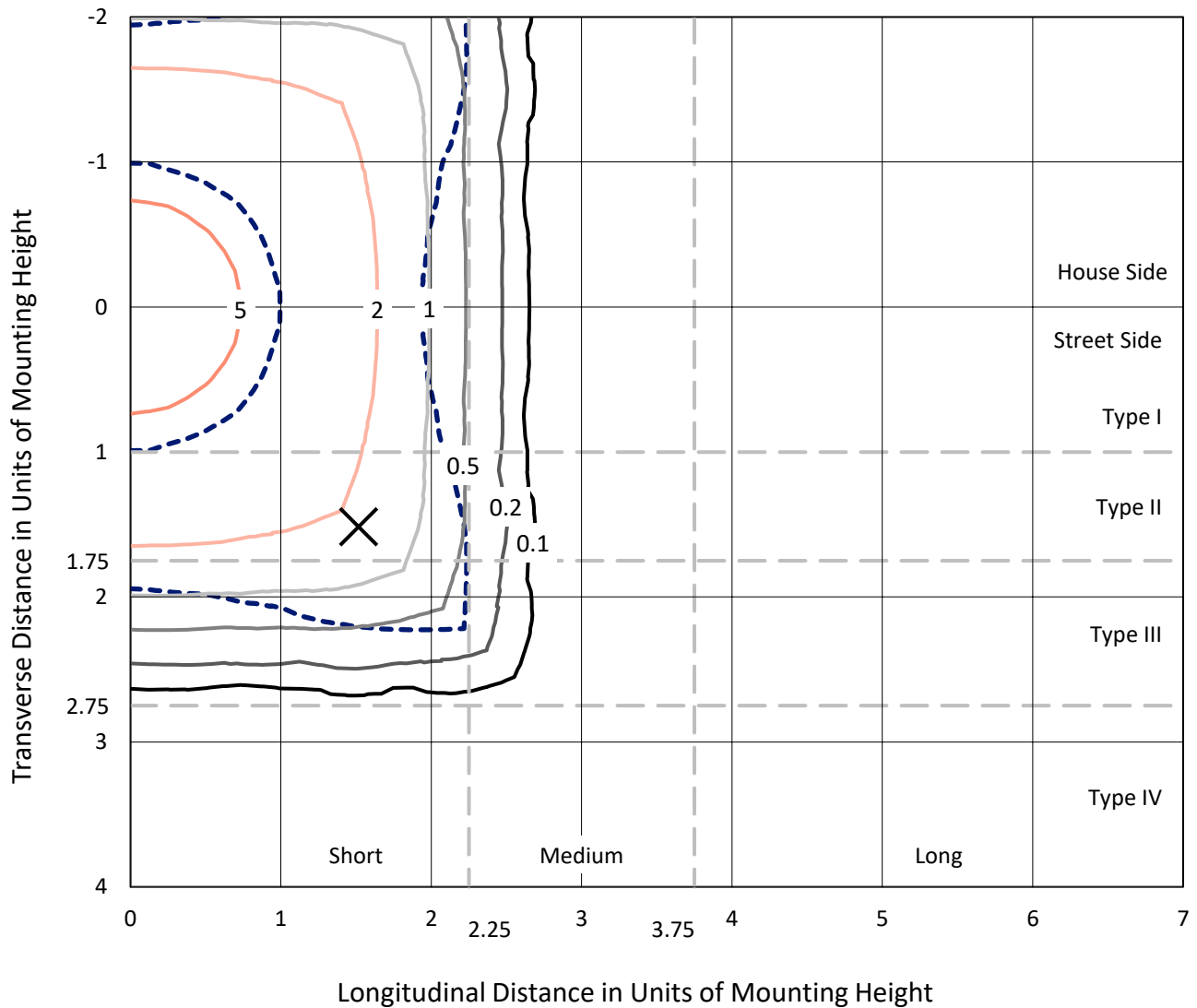
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

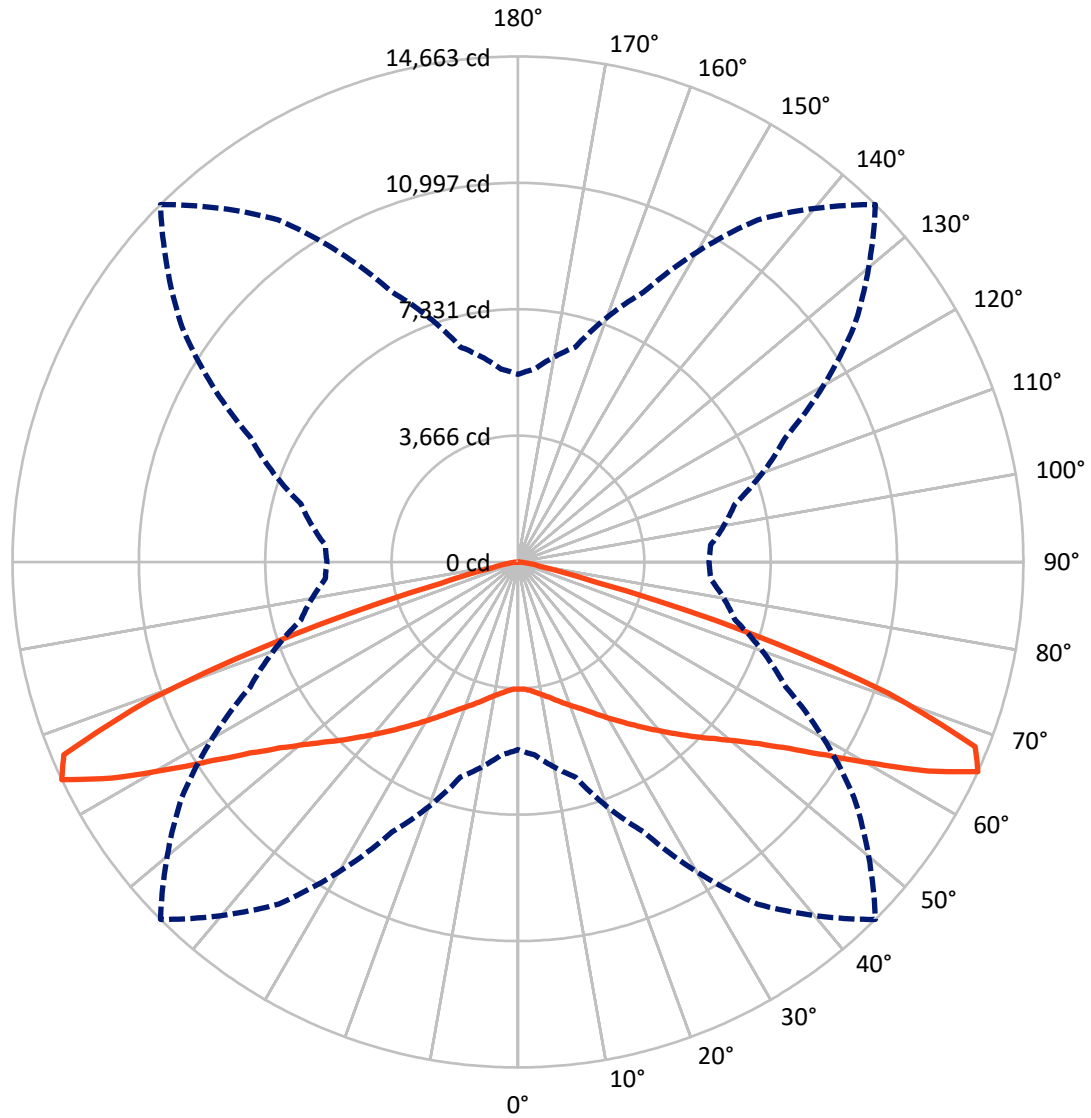
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	15503.5	0.0	15503.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15503.5	0.0	15503.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31007.0	0.0	31007.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.2	1.2
10°-20°	1188.4	3.8
20°-30°	2243.7	7.2
30°-40°	3674.0	11.8
40°-50°	5696.7	18.4
50°-60°	8415.2	27.1
60°-70°	8010.4	25.8
70°-80°	1292.6	4.2
80°-90°	121.8	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°	31007.0	100.0
0°-180°	31007.0	100.0

Coefficient of Utilization



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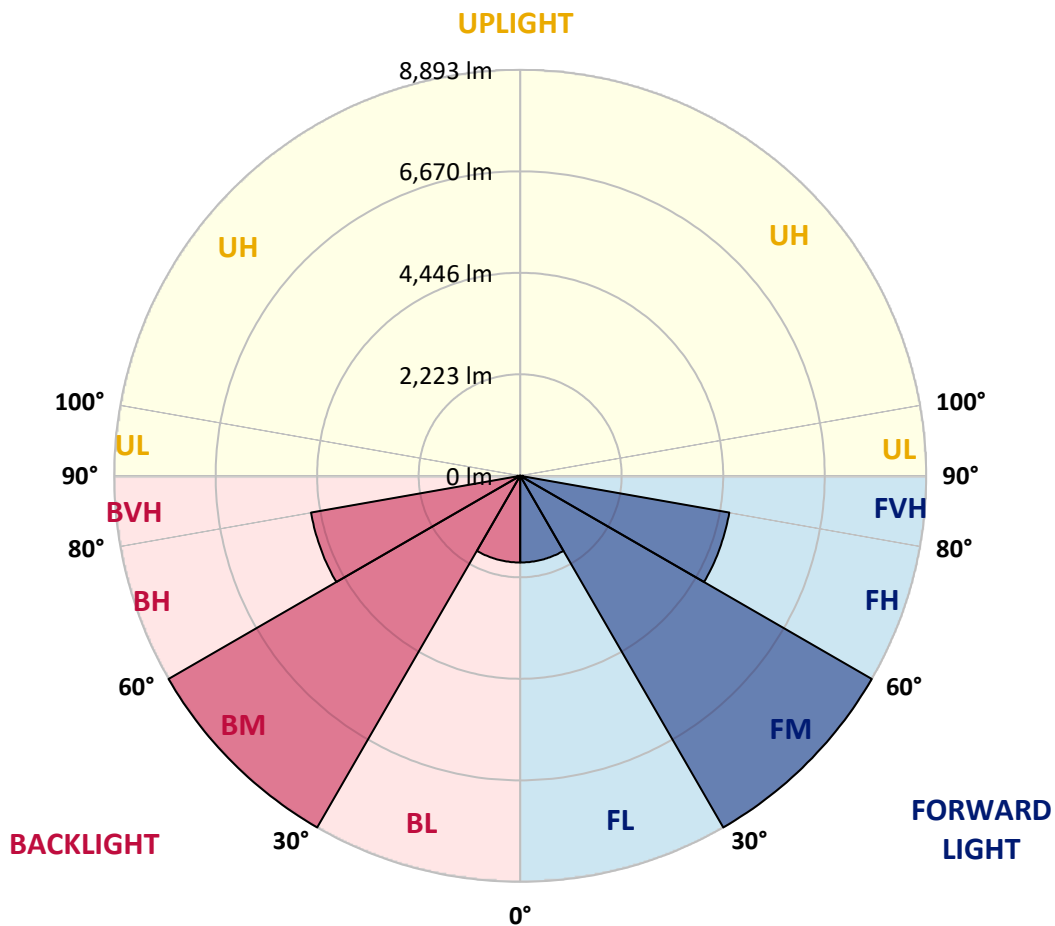
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.1	6.1			
FM (30°-60°)	8892.9	28.7			
FH (60°-80°)	4651.5	15.0			G2/5000
FVH (80°-90°)	60.9	0.2			G1/100
BL (0°-30°)	1898.1	6.1	B3/2500		
BM (30°-60°)	8892.9	28.7	B5		
BH (60°-80°)	4651.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	60.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3690.1	3690.1	3690.1	3690.1	3690.1	3690.1	3690.1	3690.1	3690.1	3690.1
2.5°	3715.0	3702.6	3711.9	3704.1	3697.9	3691.7	3694.8	3705.7	3710.4	3711.9
5°	3764.8	3753.9	3758.6	3758.6	3747.7	3744.6	3746.1	3753.9	3763.3	3763.3
7.5°	3845.7	3834.8	3845.7	3839.5	3830.2	3827.0	3825.5	3831.7	3845.7	3845.7
10°	3943.7	3931.3	3937.5	3934.4	3923.5	3918.8	3917.3	3926.6	3939.1	3937.5
12.5°	4051.1	4037.1	4044.8	4035.5	4032.4	4027.7	4027.7	4026.2	4034.0	4027.7
15°	4170.9	4161.5	4164.6	4158.4	4163.1	4160.0	4147.5	4141.3	4144.4	4135.1
17.5°	4312.4	4290.6	4301.5	4298.4	4298.4	4304.6	4284.4	4276.6	4282.9	4273.5
20°	4475.8	4454.0	4458.7	4452.4	4444.7	4450.9	4426.0	4432.2	4436.9	4430.7
22.5°	4654.7	4626.7	4625.1	4628.2	4611.1	4612.7	4595.6	4611.1	4620.5	4603.3
25°	4838.3	4808.7	4828.9	4821.1	4799.4	4804.0	4791.6	4807.1	4814.9	4793.1
27.5°	5032.7	5012.5	5031.2	5035.8	5009.4	5028.1	5009.4	5023.4	5031.2	4998.5
30°	5259.9	5239.6	5256.7	5269.2	5238.1	5267.6	5252.1	5261.4	5263.0	5224.1
32.5°	5507.2	5476.1	5519.7	5525.9	5491.7	5527.4	5507.2	5519.7	5527.4	5474.5
35°	5809.0	5770.1	5819.9	5812.1	5782.6	5812.1	5793.5	5812.1	5830.8	5767.0
37.5°	6134.2	6093.7	6146.6	6132.6	6104.6	6124.8	6113.9	6126.4	6155.9	6087.5
40°	6492.0	6442.2	6513.8	6488.9	6462.4	6459.3	6465.5	6473.3	6512.2	6436.0
42.5°	6874.7	6821.8	6929.1	6890.2	6852.9	6828.0	6848.2	6863.8	6901.1	6815.6
45°	7311.8	7251.2	7391.2	7344.5	7285.4	7234.0	7266.7	7290.1	7344.5	7241.8
47.5°	7794.1	7725.7	7875.0	7861.0	7764.5	7652.5	7727.2	7794.1	7834.6	7710.1
50°	8265.5	8212.6	8408.6	8425.7	8307.5	8150.4	8254.6	8355.7	8366.6	8203.3
52.5°	8707.3	8654.4	8939.1	9046.5	8940.7	8754.0	8864.4	8967.1	8884.7	8673.1
55°	9060.5	9016.9	9379.4	9656.3	9692.1	9538.1	9603.4	9600.3	9329.6	9004.4
57.5°	9146.0	9139.8	9597.2	10183.7	10557.0	10575.7	10446.6	10116.8	9533.4	9096.2
60°	8757.1	8796.0	9424.5	10459.0	11454.7	11868.5	11310.0	10368.8	9301.6	8694.9
62.5°	7593.4	7696.1	8453.7	10123.0	12179.7	13355.8	12002.3	9986.1	8349.5	7557.6
65°	5441.9	5620.8	6457.8	8638.9	12114.3	14662.6	11902.7	8568.8	6520.0	5606.8
67.5°	2468.9	2650.9	3361.9	5914.8	10530.6	14307.9	10505.7	5977.0	3529.9	2660.3
70°	894.5	925.6	1154.3	2367.8	6730.0	11400.2	7017.8	2384.9	1227.5	986.3
72.5°	541.4	546.1	594.3	847.9	2338.2	6921.4	2437.8	875.9	606.7	538.3
75°	343.8	340.7	423.2	518.1	829.2	2335.1	869.6	518.1	421.6	384.3
77.5°	247.4	255.1	303.4	387.4	522.7	791.9	513.4	370.3	303.4	248.9
80°	185.1	189.8	220.9	301.8	367.1	493.2	326.7	273.8	228.7	155.6
82.5°	133.8	133.8	144.7	219.4	224.0	266.0	177.4	192.9	150.9	110.5
85°	79.3	77.8	90.2	130.7	116.7	98.0	80.9	118.2	94.9	68.5
87.5°	28.0	29.6	28.0	37.3	31.1	26.4	24.9	32.7	26.4	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3690.1
3711.9
3763.3
3841.0
3934.4
4030.8
4136.6
4281.3
4444.7
4620.5
4818.0
5023.4
5247.4
5510.3
5805.9
6129.5
6460.9
6860.7
7294.7
7752.1
8223.5
8679.3
9015.3
9068.2
8623.3
7511.0
5539.9
2621.4
973.9
547.6
387.4
253.6
160.2
110.5
66.9
21.8
0.0

OF REPORT)