

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: P956443

Luminaire Tested: **GALN-SB9A-835-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-835-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

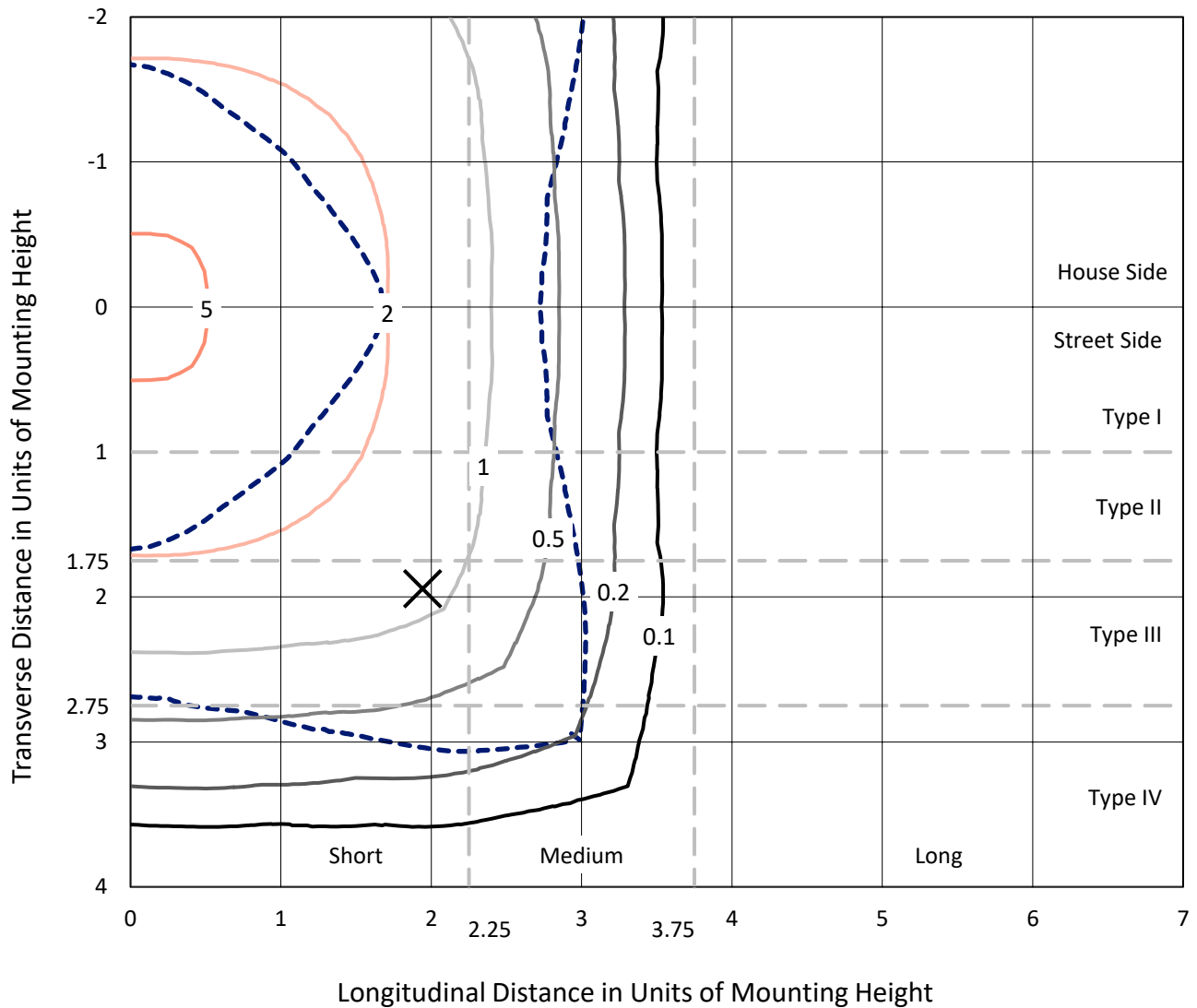
Lumens per Lamp: N/A  
Luminaire Lumens: 39688 lumens  
Efficiency: N/A  
Efficacy: 155.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

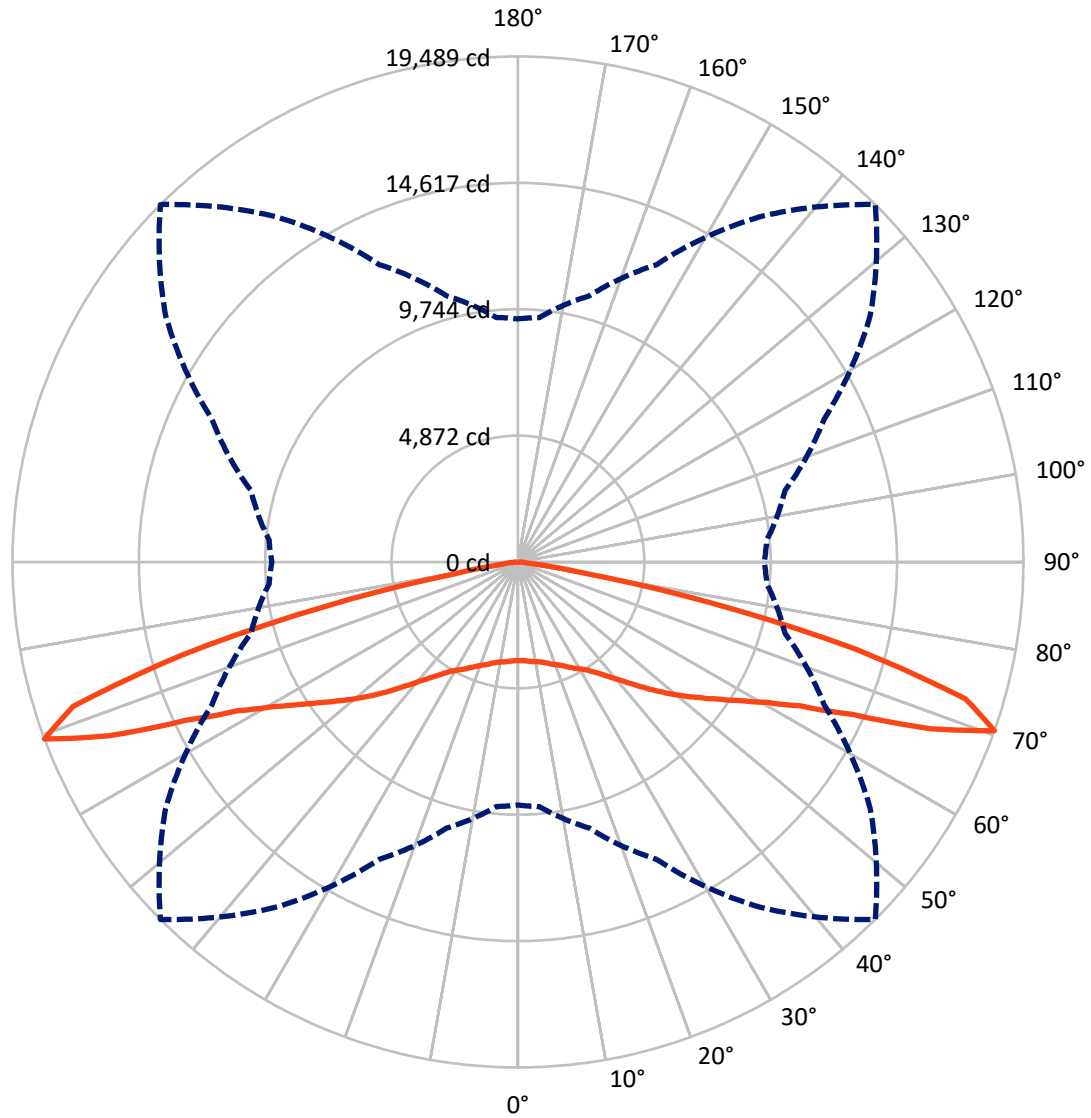
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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
<b>House Side</b>	Lumens	19844.0	0.0	19844.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19844.0	0.0	19844.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	39688.0	0.0	39688.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.3	0.9
10°-20°	1145.3	2.9
20°-30°	2046.7	5.2
30°-40°	3317.7	8.4
40°-50°	5404.0	13.6
50°-60°	8239.3	20.8
60°-70°	12257.4	30.9
70°-80°	6680.7	16.8
80°-90°	227.5	0.6
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°	39688.0	100.0
0°-180°	39688.0	100.0



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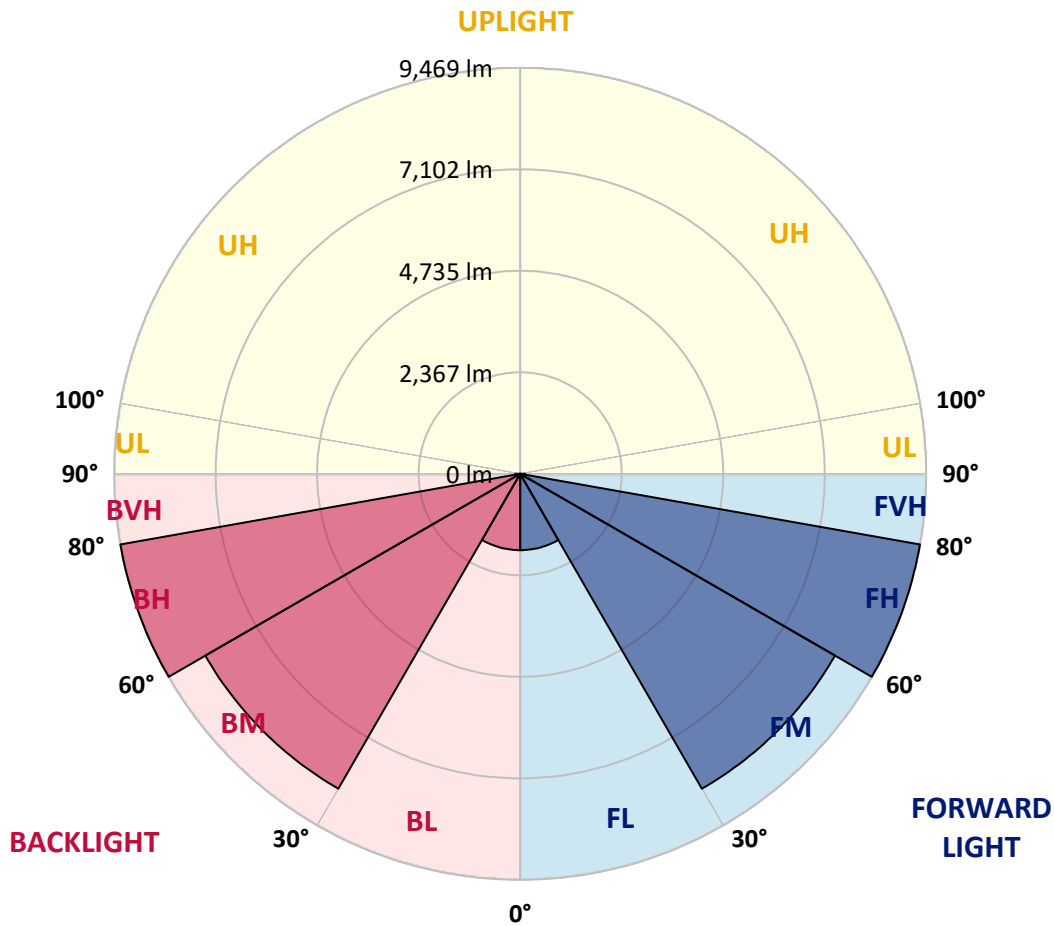
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1780.7	4.5			
FM (30°-60°)	8480.5	21.4			
FH (60°-80°)	9469.1	23.9			G4/12000
FVH (80°-90°)	113.7	0.3			G2/225
BL (0°-30°)	1780.7	4.5	B3/2500		
BM (30°-60°)	8480.5	21.4	B4/8500		
BH (60°-80°)	9469.1	23.9	B5		G4/12000
BVH (80°-90°)	113.7	0.3			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°	3801.7	3801.7	3801.7	3801.7	3801.7	3801.7	3801.7	3801.7	3801.7	3801.7
2.5°	3819.6	3823.6	3815.6	3811.7	3807.7	3801.7	3803.7	3813.7	3821.6	3819.6
5°	3851.5	3855.5	3849.5	3847.5	3839.6	3837.6	3837.6	3847.5	3853.5	3849.5
7.5°	3887.4	3893.4	3883.4	3881.4	3877.4	3873.4	3871.4	3881.4	3887.4	3887.4
10°	3921.2	3927.2	3919.3	3913.3	3909.3	3909.3	3905.3	3913.3	3923.2	3921.2
12.5°	3957.1	3961.1	3953.1	3949.1	3949.1	3955.1	3949.1	3953.1	3961.1	3957.1
15°	4001.0	4002.9	4001.0	4006.9	4016.9	4036.8	4018.9	4014.9	4018.9	4008.9
17.5°	4060.7	4064.7	4072.7	4086.6	4100.6	4136.4	4104.6	4094.6	4094.6	4074.7
20°	4134.4	4140.4	4152.4	4176.3	4194.2	4228.1	4196.2	4182.3	4176.3	4150.4
22.5°	4212.2	4222.1	4240.1	4271.9	4303.8	4335.7	4303.8	4279.9	4262.0	4228.1
25°	4301.8	4313.8	4341.7	4393.5	4437.3	4483.1	4445.3	4397.5	4361.6	4313.8
27.5°	4429.3	4443.3	4477.2	4540.9	4596.7	4636.6	4600.7	4538.9	4489.1	4431.3
30°	4608.7	4622.6	4662.5	4730.2	4768.1	4794.0	4770.1	4722.2	4662.5	4596.7
32.5°	4839.8	4857.7	4901.6	4965.3	4973.3	4977.3	4969.3	4945.4	4901.6	4821.9
35°	5132.7	5152.6	5202.4	5254.2	5246.3	5254.2	5242.3	5234.3	5202.4	5110.8
37.5°	5491.3	5515.3	5567.1	5606.9	5587.0	5577.0	5579.0	5581.0	5563.1	5461.5
40°	5907.8	5939.7	5977.5	6019.4	5985.5	5955.6	5975.5	5991.5	5975.5	5871.9
42.5°	6336.2	6382.0	6421.8	6481.6	6453.7	6415.9	6443.8	6461.7	6427.8	6316.2
45°	6812.4	6856.2	6908.0	6997.7	6977.8	6937.9	6977.8	6981.7	6924.0	6792.4
47.5°	7304.5	7350.4	7428.1	7547.6	7539.6	7495.8	7547.6	7519.7	7446.0	7288.6
50°	7770.8	7834.5	7954.1	8121.5	8137.4	8083.6	8153.3	8099.5	7976.0	7778.7
52.5°	8209.1	8276.9	8466.2	8693.3	8751.1	8681.3	8775.0	8681.3	8496.0	8243.0
55°	8669.4	8745.1	8970.3	9267.1	9382.7	9330.9	9418.6	9277.1	9014.1	8707.2
57.5°	9211.4	9257.2	9526.2	9878.8	10074.1	10086.1	10125.9	9886.8	9568.0	9219.3
60°	9799.1	9862.9	10155.8	10578.2	10887.0	10986.7	10944.8	10590.2	10219.6	9819.1
62.5°	10552.3	10622.0	10972.7	11478.8	11967.0	12214.1	12050.7	11536.6	11078.3	10598.1
65°	11176.0	11253.7	11887.3	12789.9	13678.5	14174.7	13764.2	12817.8	11992.9	11315.4
67.5°	10723.7	10819.3	11813.6	13471.3	15681.0	17161.4	15756.7	13674.6	12058.6	11140.1
70°	9372.7	9462.4	10622.0	12648.4	16244.9	19488.7	16583.6	13021.0	10659.9	9631.8
72.5°	6222.6	6511.5	7685.1	10115.9	14505.4	18034.2	14648.9	9910.7	7129.2	6208.6
75°	2064.2	2295.4	3096.4	5244.3	9715.5	13487.3	9249.2	4640.5	2452.8	1765.4
77.5°	520.0	599.7	826.9	1500.4	3875.4	7679.1	3488.9	1225.4	667.5	466.2
80°	253.0	279.0	398.5	500.1	970.3	2440.8	910.6	470.2	314.8	243.1
82.5°	139.5	141.5	225.2	282.9	360.6	631.6	374.6	275.0	181.3	147.4
85°	85.7	83.7	119.6	151.4	151.4	225.2	179.3	151.4	103.6	91.7
87.5°	33.9	33.9	43.8	47.8	41.8	57.8	45.8	49.8	39.9	37.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3801.7
3821.6
3851.5
3887.4
3921.2
3955.1
4008.9
4074.7
4150.4
4226.1
4311.8
4429.3
4596.7
4823.9
5110.8
5461.5
5871.9
6324.2
6806.4
7278.6
7774.8
8219.1
8665.4
9171.5
9755.3
10514.4
11203.9
11002.6
9494.3
6007.4
1669.7
416.4
223.2
147.4
95.6
39.9
0.0

OF REPORT)