

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: P953944

Luminaire Tested: **GALN-SB7B-835-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953944
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-SB7B-835-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38900 lumens
Efficiency: N/A
Efficacy: 151.5 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

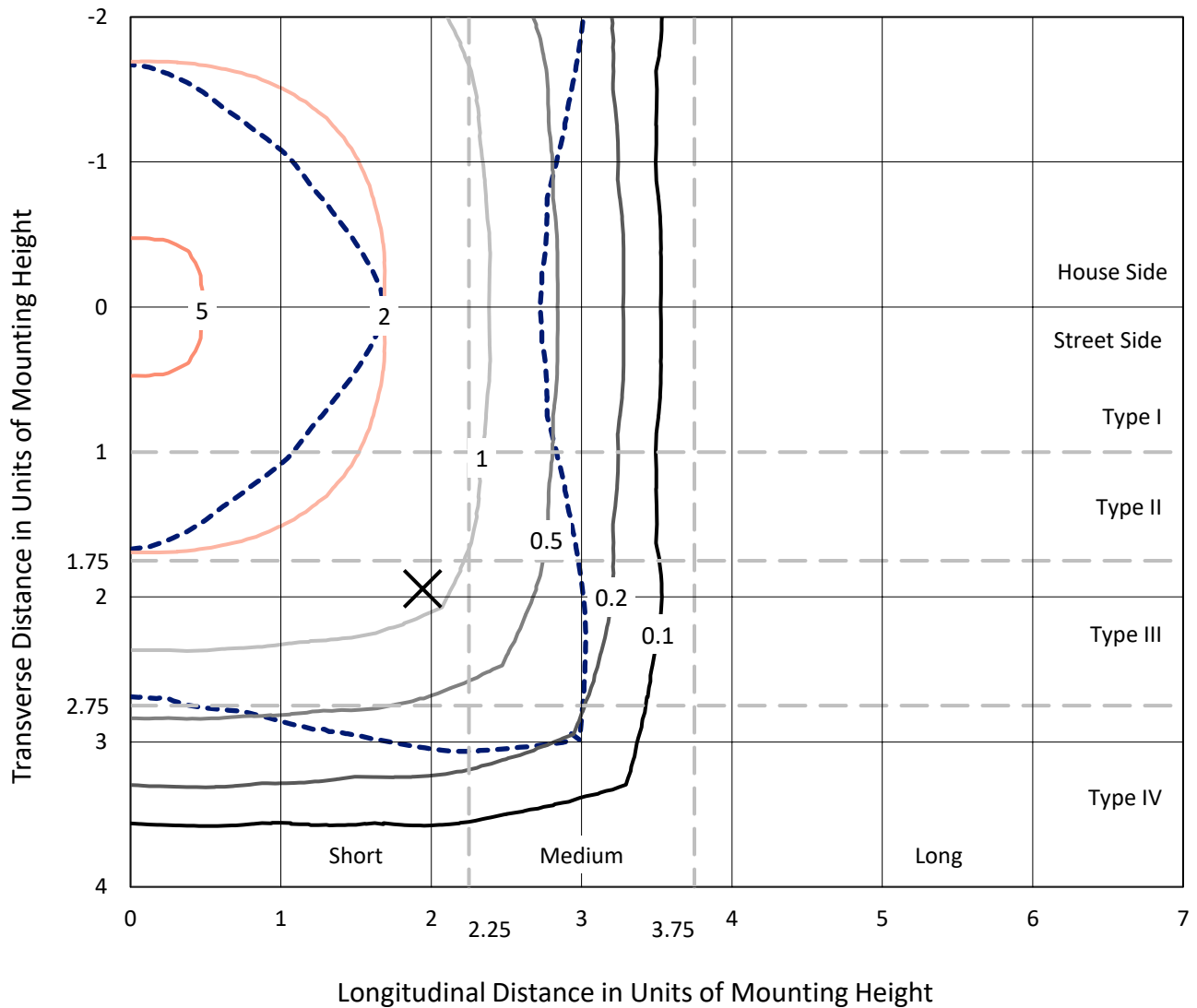
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

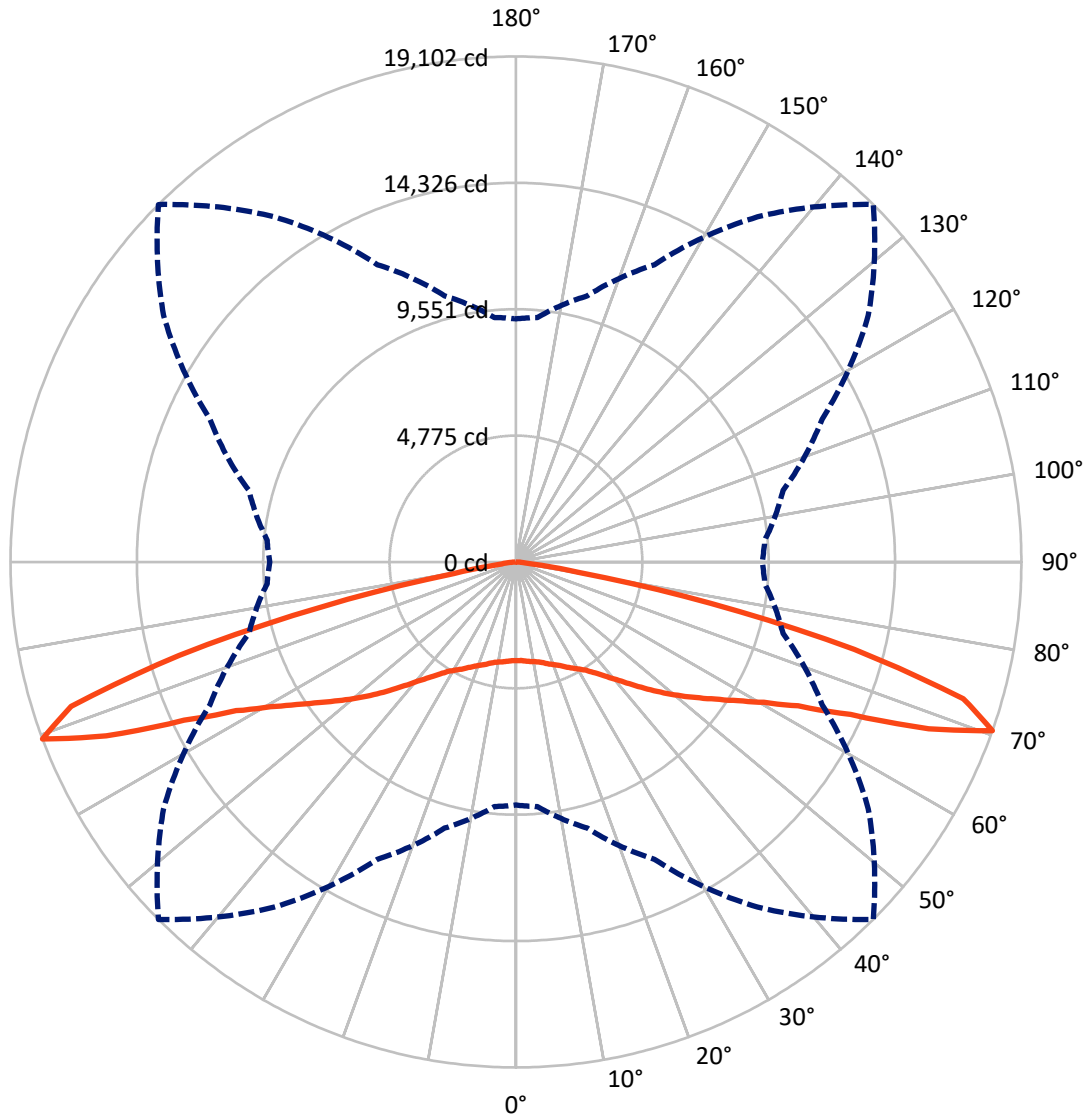
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19450.0	0.0	19450.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19450.0	0.0	19450.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38900.0	0.0	38900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.0	0.9
10°-20°	1122.5	2.9
20°-30°	2006.1	5.2
30°-40°	3251.8	8.4
40°-50°	5296.7	13.6
50°-60°	8075.7	20.8
60°-70°	12014.1	30.9
70°-80°	6548.1	16.8
80°-90°	223.0	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°	38900.0	100.0
0°-180°	38900.0	100.0

Coefficient of Utilization



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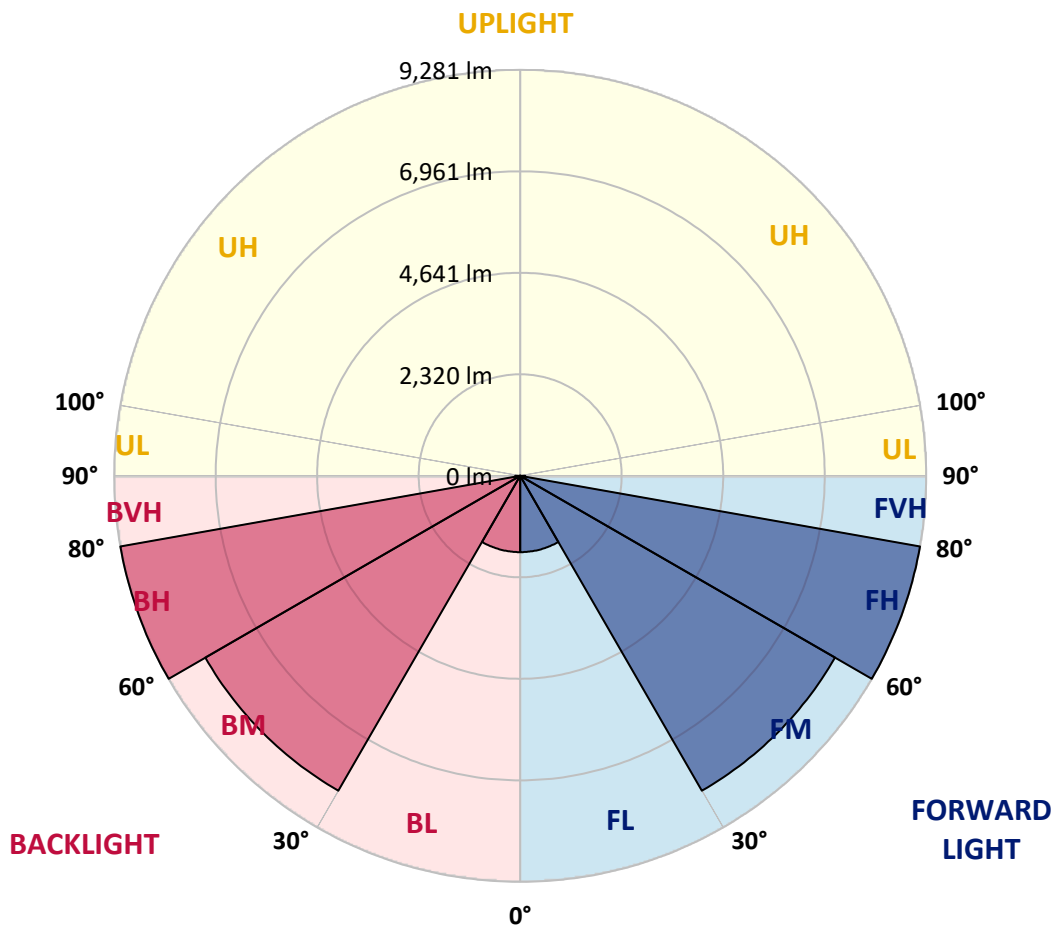
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1745.3	4.5			
FM (30°-60°)	8312.1	21.4			
FH (60°-80°)	9281.1	23.9			G4/12000
FVH (80°-90°)	111.5	0.3			G2/225
BL (0°-30°)	1745.3	4.5	B3/2500		
BM (30°-60°)	8312.1	21.4	B4/8500		
BH (60°-80°)	9281.1	23.9	B5		G4/12000
BVH (80°-90°)	111.5	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°	3726.2	3726.2	3726.2	3726.2	3726.2	3726.2	3726.2	3726.2	3726.2	3726.2
2.5°	3743.8	3747.7	3739.9	3736.0	3732.1	3726.2	3728.2	3737.9	3745.7	3743.8
5°	3775.0	3778.9	3773.1	3771.1	3763.3	3761.4	3761.4	3771.1	3777.0	3773.1
7.5°	3810.2	3816.1	3806.3	3804.3	3800.4	3796.5	3794.6	3804.3	3810.2	3810.2
10°	3843.4	3849.3	3841.4	3835.6	3831.7	3831.7	3827.8	3835.6	3845.3	3843.4
12.5°	3878.5	3882.5	3874.6	3870.7	3870.7	3876.6	3870.7	3874.6	3882.5	3878.5
15°	3921.5	3923.5	3921.5	3927.4	3937.1	3956.7	3939.1	3935.2	3939.1	3929.3
17.5°	3980.1	3984.0	3991.8	4005.5	4019.2	4054.3	4023.1	4013.3	4013.3	3993.8
20°	4052.4	4058.2	4069.9	4093.4	4110.9	4144.1	4112.9	4099.2	4093.4	4068.0
22.5°	4128.5	4138.3	4155.9	4187.1	4218.4	4249.6	4218.4	4194.9	4177.3	4144.1
25°	4216.4	4228.1	4255.5	4306.2	4349.2	4394.1	4357.0	4310.1	4275.0	4228.1
27.5°	4341.4	4355.1	4388.3	4450.8	4505.4	4544.5	4509.3	4448.8	4400.0	4343.3
30°	4517.2	4530.8	4569.9	4636.3	4673.4	4698.8	4675.3	4628.5	4569.9	4505.4
32.5°	4743.7	4761.3	4804.2	4866.7	4874.5	4878.5	4870.6	4847.2	4804.2	4726.1
35°	5030.8	5050.3	5099.1	5149.9	5142.1	5149.9	5138.2	5130.4	5099.1	5009.3
37.5°	5382.3	5405.7	5456.5	5495.6	5476.1	5466.3	5468.2	5470.2	5452.6	5353.0
40°	5790.5	5821.7	5858.8	5899.8	5866.6	5837.3	5856.9	5872.5	5856.9	5755.3
42.5°	6210.4	6255.3	6294.3	6352.9	6325.6	6288.5	6315.8	6333.4	6300.2	6190.8
45°	6677.1	6720.1	6770.9	6858.7	6839.2	6800.2	6839.2	6843.1	6786.5	6657.6
47.5°	7159.5	7204.4	7280.6	7397.8	7389.9	7347.0	7397.8	7370.4	7298.2	7143.9
50°	7616.5	7679.0	7796.2	7960.2	7975.8	7923.1	7991.4	7938.7	7817.6	7624.3
52.5°	8046.1	8112.5	8298.1	8520.7	8577.3	8509.0	8600.8	8509.0	8327.4	8079.3
55°	8497.3	8571.5	8792.2	9083.1	9196.4	9145.6	9231.6	9092.9	8835.1	8534.4
57.5°	9028.5	9073.4	9337.0	9682.7	9874.1	9885.8	9924.9	9690.5	9378.0	9036.3
60°	9604.6	9667.1	9954.2	10368.2	10670.9	10768.5	10727.5	10379.9	10016.7	9624.1
62.5°	10342.8	10411.1	10754.9	11250.9	11729.4	11971.5	11811.4	11307.5	10858.4	10387.7
65°	10954.1	11030.2	11651.3	12535.9	13407.0	13893.2	13490.9	12563.3	11754.8	11090.8
67.5°	10510.7	10604.5	11579.0	13203.9	15369.7	16820.7	15443.9	13403.1	11819.2	10918.9
70°	9186.6	9274.5	10411.1	12397.3	15922.4	19101.7	16254.4	12762.5	10448.3	9440.5
72.5°	6099.0	6382.2	7532.5	9915.1	14217.4	17676.1	14358.0	9713.9	6987.6	6085.4
75°	2023.3	2249.8	3034.9	5140.1	9522.6	13219.5	9065.6	4548.4	2404.1	1730.3
77.5°	509.7	587.8	810.5	1470.6	3798.5	7526.6	3419.6	1201.1	654.2	457.0
80°	248.0	273.4	390.6	490.2	951.1	2392.4	892.5	460.9	308.6	238.3
82.5°	136.7	138.7	220.7	277.3	353.5	619.1	367.2	269.5	177.7	144.5
85°	84.0	82.0	117.2	148.4	148.4	220.7	175.8	148.4	101.6	89.8
87.5°	33.2	33.2	43.0	46.9	41.0	56.6	44.9	48.8	39.1	37.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3726.2
3745.7
3775.0
3810.2
3843.4
3876.6
3929.3
3993.8
4068.0
4142.2
4226.2
4341.4
4505.4
4728.1
5009.3
5353.0
5755.3
6198.6
6671.3
7134.1
7620.4
8055.9
8493.4
8989.4
9561.6
10305.7
10981.4
10784.2
9305.8
5888.1
1636.6
408.2
218.7
144.5
93.7
39.1
0.0

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