

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: P952558

Luminaire Tested: **GALN-SB6B-850-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952558
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-SB6B-850-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34206 lumens
Efficiency: N/A
Efficacy: 155.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

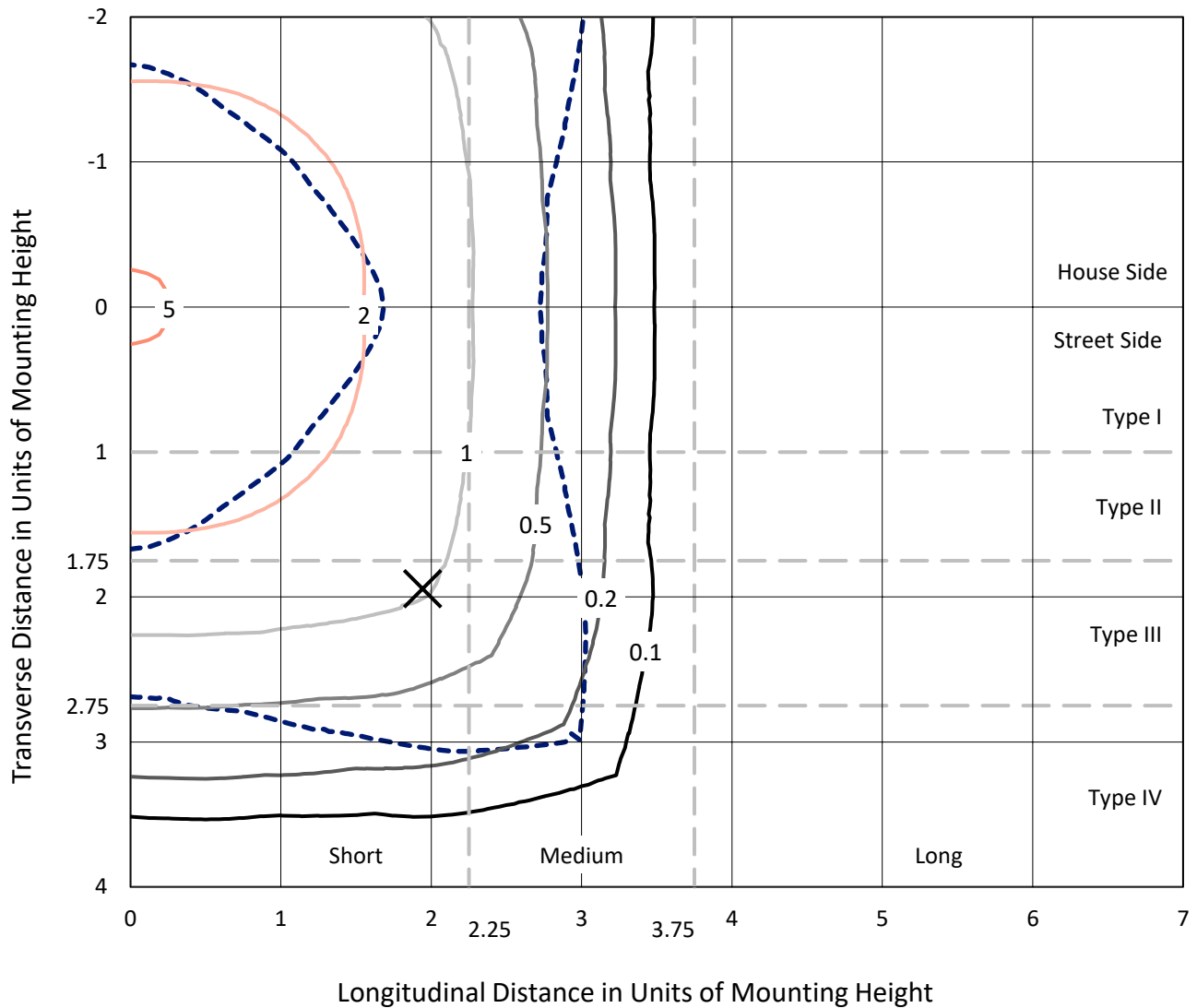
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

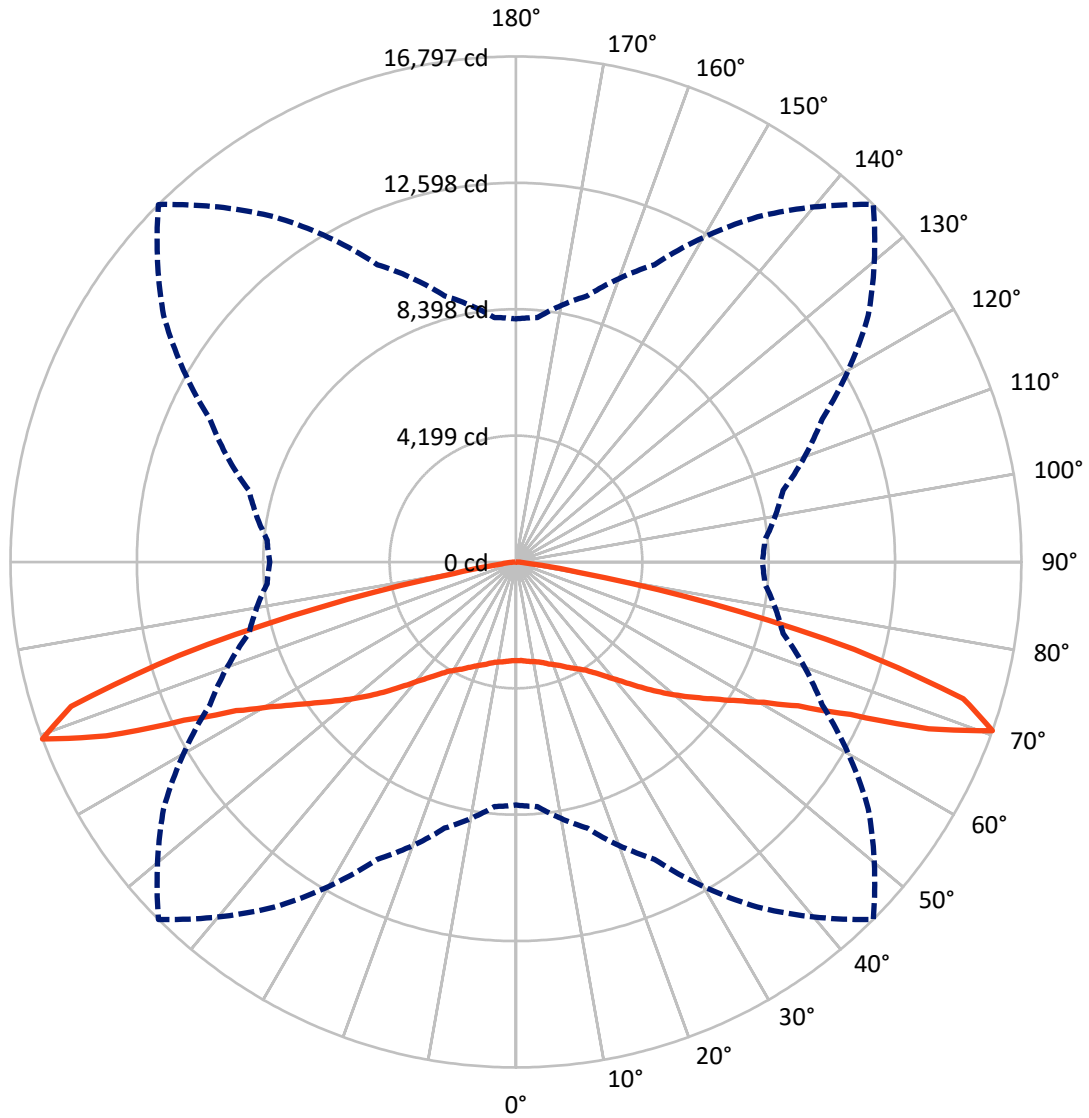
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	17103.0	0.0	17103.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17103.0	0.0	17103.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34206.0	0.0	34206.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.3	0.9
10°-20°	987.1	2.9
20°-30°	1764.0	5.2
30°-40°	2859.4	8.4
40°-50°	4657.6	13.6
50°-60°	7101.2	20.8
60°-70°	10564.4	30.9
70°-80°	5757.9	16.8
80°-90°	196.1	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°	34206.0	100.0
0°-180°	34206.0	100.0

Coefficient of Utilization



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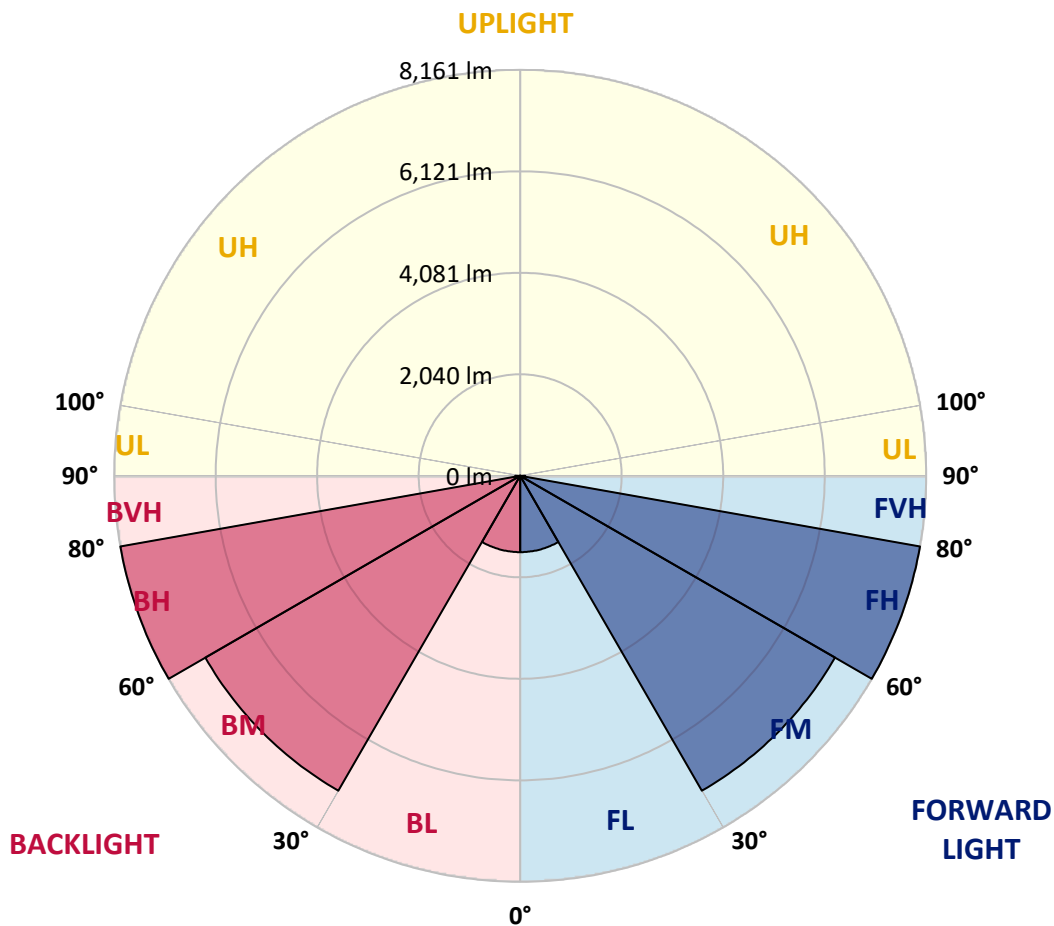
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1534.7	4.5			
FM (30°-60°)	7309.1	21.4			
FH (60°-80°)	8161.1	23.9			G4/12000
FVH (80°-90°)	98.0	0.3			G1/100
BL (0°-30°)	1534.7	4.5	B3/2500		
BM (30°-60°)	7309.1	21.4	B4/8500		
BH (60°-80°)	8161.1	23.9	B5		G4/12000
BVH (80°-90°)	98.0	0.3			G1/100
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°	3276.6	3276.6	3276.6	3276.6	3276.6	3276.6	3276.6	3276.6	3276.6	3276.6
2.5°	3292.0	3295.5	3288.6	3285.2	3281.7	3276.6	3278.3	3286.9	3293.8	3292.0
5°	3319.5	3322.9	3317.8	3316.1	3309.2	3307.5	3307.5	3316.1	3321.2	3317.8
7.5°	3350.4	3355.6	3347.0	3345.3	3341.8	3338.4	3336.7	3345.3	3350.4	3350.4
10°	3379.6	3384.8	3377.9	3372.7	3369.3	3369.3	3365.9	3372.7	3381.3	3379.6
12.5°	3410.5	3414.0	3407.1	3403.7	3403.7	3408.8	3403.7	3407.1	3414.0	3410.5
15°	3448.3	3450.0	3448.3	3453.5	3462.0	3479.2	3463.8	3460.3	3463.8	3455.2
17.5°	3499.8	3503.3	3510.1	3522.2	3534.2	3565.1	3537.6	3529.0	3529.0	3511.8
20°	3563.4	3568.5	3578.8	3599.4	3614.9	3644.1	3616.6	3604.6	3599.4	3577.1
22.5°	3630.3	3638.9	3654.4	3681.9	3709.3	3736.8	3709.3	3688.7	3673.3	3644.1
25°	3707.6	3717.9	3742.0	3786.6	3824.4	3863.9	3831.3	3790.0	3759.1	3717.9
27.5°	3817.5	3829.5	3858.7	3913.7	3961.8	3996.1	3965.2	3912.0	3869.0	3819.2
30°	3972.1	3984.1	4018.4	4076.8	4109.5	4131.8	4111.2	4070.0	4018.4	3961.8
32.5°	4171.3	4186.7	4224.5	4279.5	4286.3	4289.8	4282.9	4262.3	4224.5	4155.8
35°	4423.7	4440.9	4483.8	4528.5	4521.6	4528.5	4518.2	4511.3	4483.8	4404.8
37.5°	4732.8	4753.4	4798.1	4832.4	4815.3	4806.7	4808.4	4810.1	4794.7	4707.1
40°	5091.8	5119.2	5151.9	5187.9	5158.7	5133.0	5150.1	5163.9	5150.1	5060.8
42.5°	5461.0	5500.5	5534.8	5586.3	5562.3	5529.7	5553.7	5569.2	5540.0	5443.8
45°	5871.4	5909.2	5953.8	6031.1	6013.9	5979.6	6013.9	6017.4	5967.6	5854.2
47.5°	6295.6	6335.1	6402.0	6505.1	6498.2	6460.4	6505.1	6481.0	6417.5	6281.8
50°	6697.4	6752.4	6855.4	6999.7	7013.4	6967.0	7027.1	6980.8	6874.3	6704.3
52.5°	7075.2	7133.6	7296.7	7492.5	7542.3	7482.2	7562.9	7482.2	7322.5	7104.4
55°	7471.9	7537.2	7731.2	7987.1	8086.7	8042.0	8117.6	7995.7	7769.0	7504.5
57.5°	7939.0	7978.5	8210.3	8514.3	8682.6	8692.9	8727.2	8521.2	8246.4	7945.9
60°	8445.6	8500.6	8753.0	9117.1	9383.2	9469.1	9433.0	9127.4	8808.0	8462.8
62.5°	9094.7	9154.8	9457.1	9893.3	10314.0	10527.0	10386.1	9943.1	9548.1	9134.2
65°	9632.3	9699.2	10245.3	11023.3	11789.2	12216.8	11863.0	11047.3	10336.3	9752.5
67.5°	9242.4	9324.9	10181.8	11610.6	13515.0	14791.0	13580.3	11785.7	10393.0	9601.3
70°	8078.1	8155.4	9154.8	10901.3	14001.0	16796.8	14293.0	11222.5	9187.5	8301.4
72.5°	5363.1	5612.1	6623.6	8718.7	12501.8	15543.2	12625.5	8541.8	6144.4	5351.1
75°	1779.1	1978.3	2668.7	4519.9	8373.5	11624.3	7971.6	3999.6	2114.0	1521.5
77.5°	448.2	516.9	712.7	1293.1	3340.1	6618.4	3007.0	1056.1	575.3	401.8
80°	218.1	240.4	343.5	431.0	836.3	2103.7	784.8	405.3	271.3	209.5
82.5°	120.2	121.9	194.1	243.9	310.8	544.4	322.8	237.0	156.3	127.1
85°	73.8	72.1	103.0	130.5	130.5	194.1	154.6	130.5	89.3	79.0
87.5°	29.2	29.2	37.8	41.2	36.1	49.8	39.5	42.9	34.3	32.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3276.6
3293.8
3319.5
3350.4
3379.6
3408.8
3455.2
3511.8
3577.1
3642.4
3716.2
3817.5
3961.8
4157.5
4404.8
4707.1
5060.8
5450.7
5866.2
6273.2
6700.8
7083.8
7468.5
7904.7
8407.8
9062.1
9656.3
9482.9
8182.9
5177.6
1439.1
358.9
192.3
127.1
82.4
34.3
0.0

OF REPORT)