

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: P952915

Luminaire Tested: **GALN-SB6C-850-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952915
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-SB6C-850-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45493 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

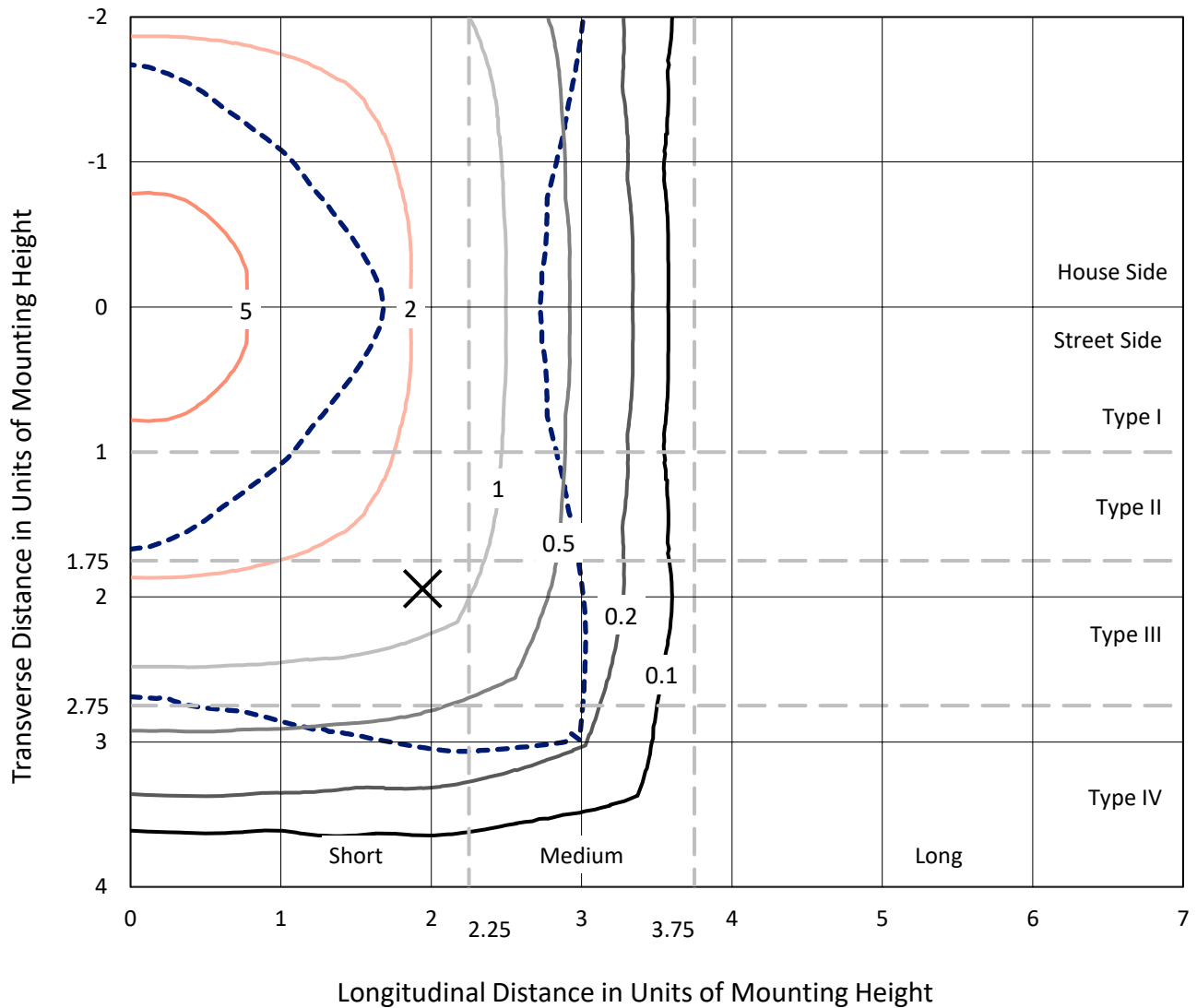
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

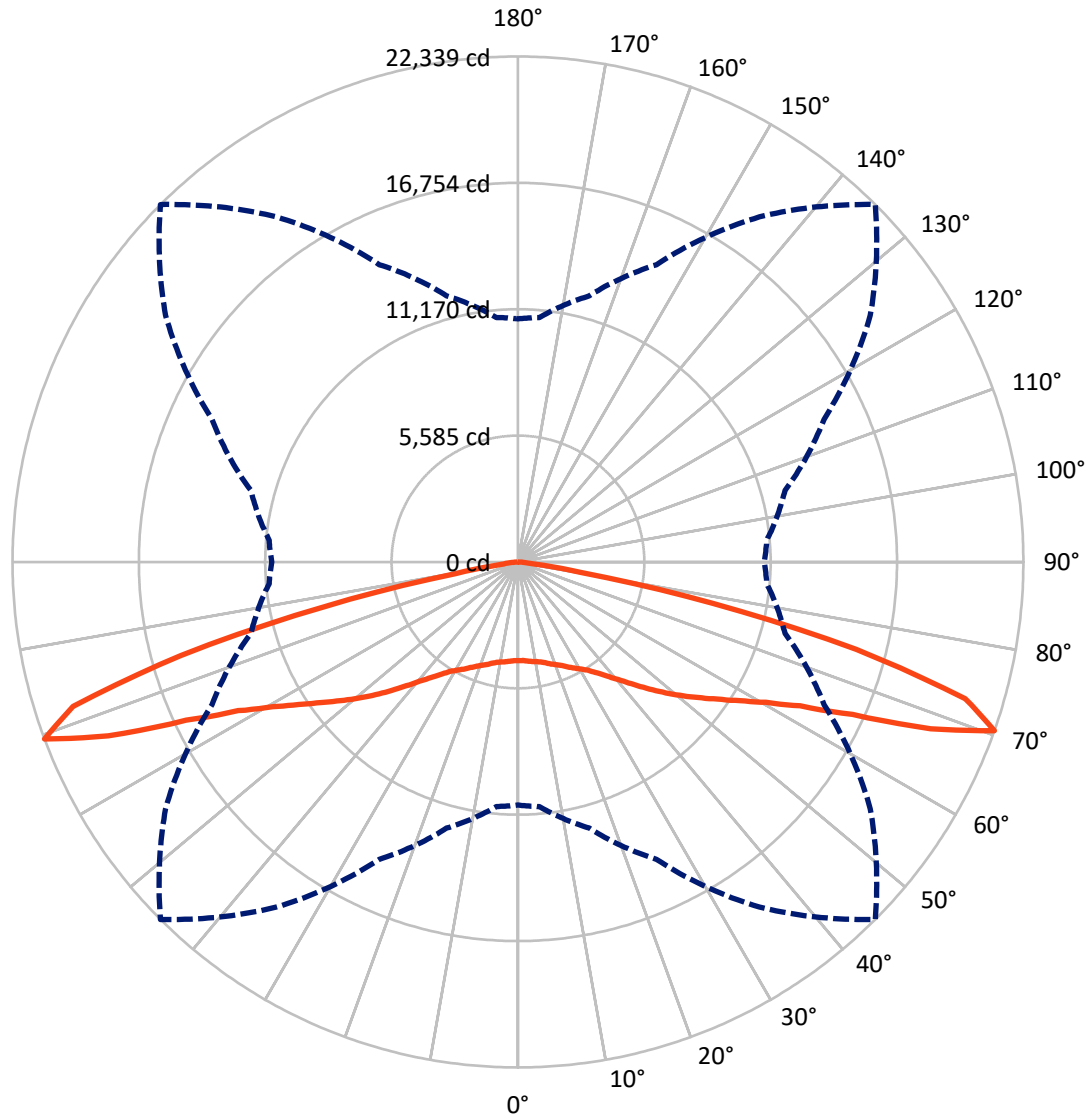
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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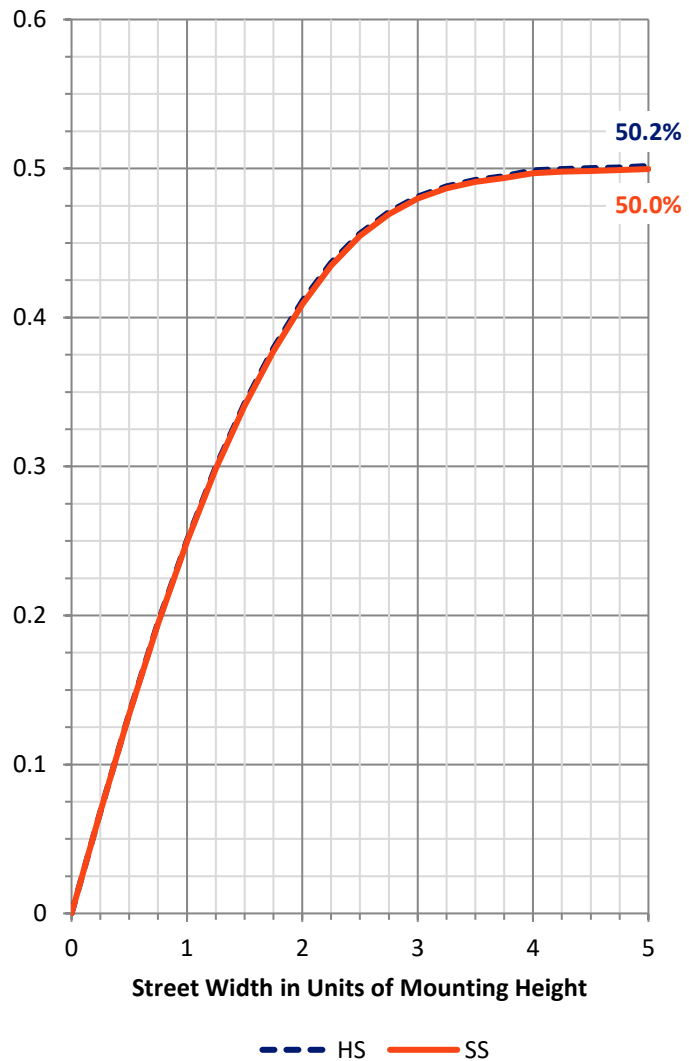
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22746.5	0.0	22746.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22746.5	0.0	22746.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	45493.0	0.0	45493.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	423.4	0.9
10°-20°	1312.8	2.9
20°-30°	2346.1	5.2
30°-40°	3803.0	8.4
40°-50°	6194.4	13.6
50°-60°	9444.4	20.8
60°-70°	14050.3	30.9
70°-80°	7657.9	16.8
80°-90°	260.8	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°	45493.0	100.0
0°-180°	45493.0	100.0



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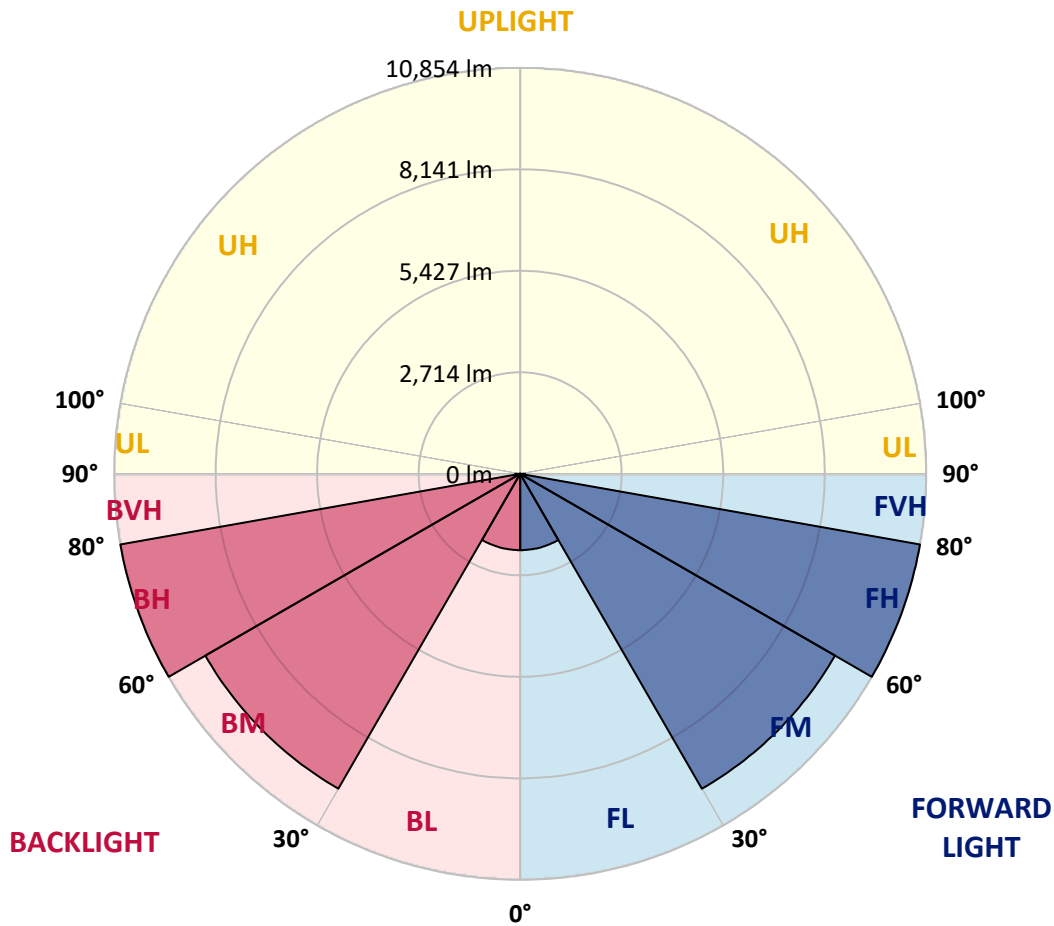
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2041.1	4.5			
FM (30°-60°)	9720.9	21.4			
FH (60°-80°)	10854.1	23.9			G4/12000
FVH (80°-90°)	130.4	0.3			G2/225
BL (0°-30°)	2041.1	4.5	B3/2500		
BM (30°-60°)	9720.9	21.4	B5		
BH (60°-80°)	10854.1	23.9	B5		G4/12000
BVH (80°-90°)	130.4	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°	4357.8	4357.8	4357.8	4357.8	4357.8	4357.8	4357.8	4357.8	4357.8	4357.8
2.5°	4378.3	4382.9	4373.7	4369.2	4364.6	4357.8	4360.0	4371.5	4380.6	4378.3
5°	4414.9	4419.4	4412.6	4410.3	4401.2	4398.9	4398.9	4410.3	4417.1	4412.6
7.5°	4456.0	4462.8	4451.4	4449.1	4444.5	4440.0	4437.7	4449.1	4456.0	4456.0
10°	4494.8	4501.6	4492.5	4485.7	4481.1	4481.1	4476.5	4485.7	4497.1	4494.8
12.5°	4535.9	4540.5	4531.3	4526.8	4526.8	4533.6	4526.8	4531.3	4540.5	4535.9
15°	4586.2	4588.4	4586.2	4593.0	4604.4	4627.3	4606.7	4602.1	4606.7	4595.3
17.5°	4654.7	4659.2	4668.4	4684.4	4700.3	4741.5	4704.9	4693.5	4693.5	4670.7
20°	4739.2	4746.0	4759.7	4787.1	4807.7	4846.5	4810.0	4794.0	4787.1	4757.4
22.5°	4828.3	4839.7	4860.2	4896.8	4933.3	4969.9	4933.3	4905.9	4885.3	4846.5
25°	4931.0	4944.7	4976.7	5036.1	5086.3	5138.9	5095.5	5040.7	4999.5	4944.7
27.5°	5077.2	5093.2	5132.0	5205.1	5269.1	5314.7	5273.6	5202.8	5145.7	5079.5
30°	5282.8	5298.7	5344.4	5422.1	5465.5	5495.2	5467.8	5412.9	5344.4	5269.1
32.5°	5547.7	5568.2	5618.5	5691.6	5700.7	5705.3	5696.1	5668.7	5618.5	5527.1
35°	5883.4	5906.3	5963.4	6022.8	6013.6	6022.8	6009.0	5999.9	5963.4	5858.3
37.5°	6294.5	6321.9	6381.3	6427.0	6404.2	6392.7	6395.0	6397.3	6376.8	6260.3
40°	6771.9	6808.4	6851.8	6899.8	6861.0	6826.7	6849.5	6867.8	6849.5	6730.8
42.5°	7262.9	7315.5	7361.1	7429.7	7397.7	7354.3	7386.3	7406.8	7368.0	7240.1
45°	7808.8	7859.0	7918.4	8021.2	7998.4	7952.7	7998.4	8002.9	7936.7	7786.0
47.5°	8372.9	8425.5	8514.5	8651.6	8642.4	8592.2	8651.6	8619.6	8535.1	8354.7
50°	8907.4	8980.5	9117.5	9309.3	9327.6	9265.9	9345.9	9284.2	9142.6	8916.5
52.5°	9409.8	9487.5	9704.5	9964.8	10031.1	9951.1	10058.5	9951.1	9738.7	9448.7
55°	9937.4	10024.2	10282.3	10622.6	10755.1	10695.7	10796.2	10634.0	10332.5	9980.8
57.5°	10558.7	10611.2	10919.5	11323.8	11547.6	11561.3	11607.0	11332.9	10967.5	10567.8
60°	11232.4	11305.5	11641.2	12125.4	12479.5	12593.6	12545.7	12139.1	11714.3	11255.3
62.5°	12095.7	12175.7	12577.7	13157.8	13717.3	14000.6	13813.3	13224.0	12698.7	12148.3
65°	12810.6	12899.7	13626.0	14660.6	15679.3	16248.0	15777.5	14692.6	13747.0	12970.5
67.5°	12292.2	12401.8	13541.5	15441.7	17974.6	19671.6	18061.4	15674.7	13822.4	12769.5
70°	10743.7	10846.4	12175.7	14498.5	18621.0	22339.2	19009.2	14925.6	12219.1	11040.6
72.5°	7132.7	7463.9	8809.2	11595.6	16627.1	20671.9	16791.5	11360.3	8171.9	7116.8
75°	2366.2	2631.1	3549.2	6011.3	11136.5	15460.0	10602.1	5319.3	2811.5	2023.6
77.5°	596.1	687.5	947.8	1719.8	4442.3	8802.3	3999.2	1404.6	765.1	534.4
80°	290.1	319.8	456.8	573.3	1112.3	2797.8	1043.8	539.0	360.9	278.6
82.5°	159.9	162.2	258.1	324.3	413.4	724.0	429.4	315.2	207.8	169.0
85°	98.2	95.9	137.0	173.6	173.6	258.1	205.6	173.6	118.8	105.1
87.5°	38.8	38.8	50.2	54.8	48.0	66.2	52.5	57.1	45.7	43.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4357.8
4380.6
4414.9
4456.0
4494.8
4533.6
4595.3
4670.7
4757.4
4844.2
4942.4
5077.2
5269.1
5529.4
5858.3
6260.3
6730.8
7249.2
7801.9
8343.2
8911.9
9421.3
9932.9
10513.0
11182.2
12052.4
12842.6
12611.9
10883.0
6886.1
1913.9
477.3
255.8
169.0
109.6
45.7
0.0

OF REPORT)