

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: P953797

Luminaire Tested: **GALN-SB7B-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953797
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41939 lumens
Efficiency: N/A
Efficacy: 163.4 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



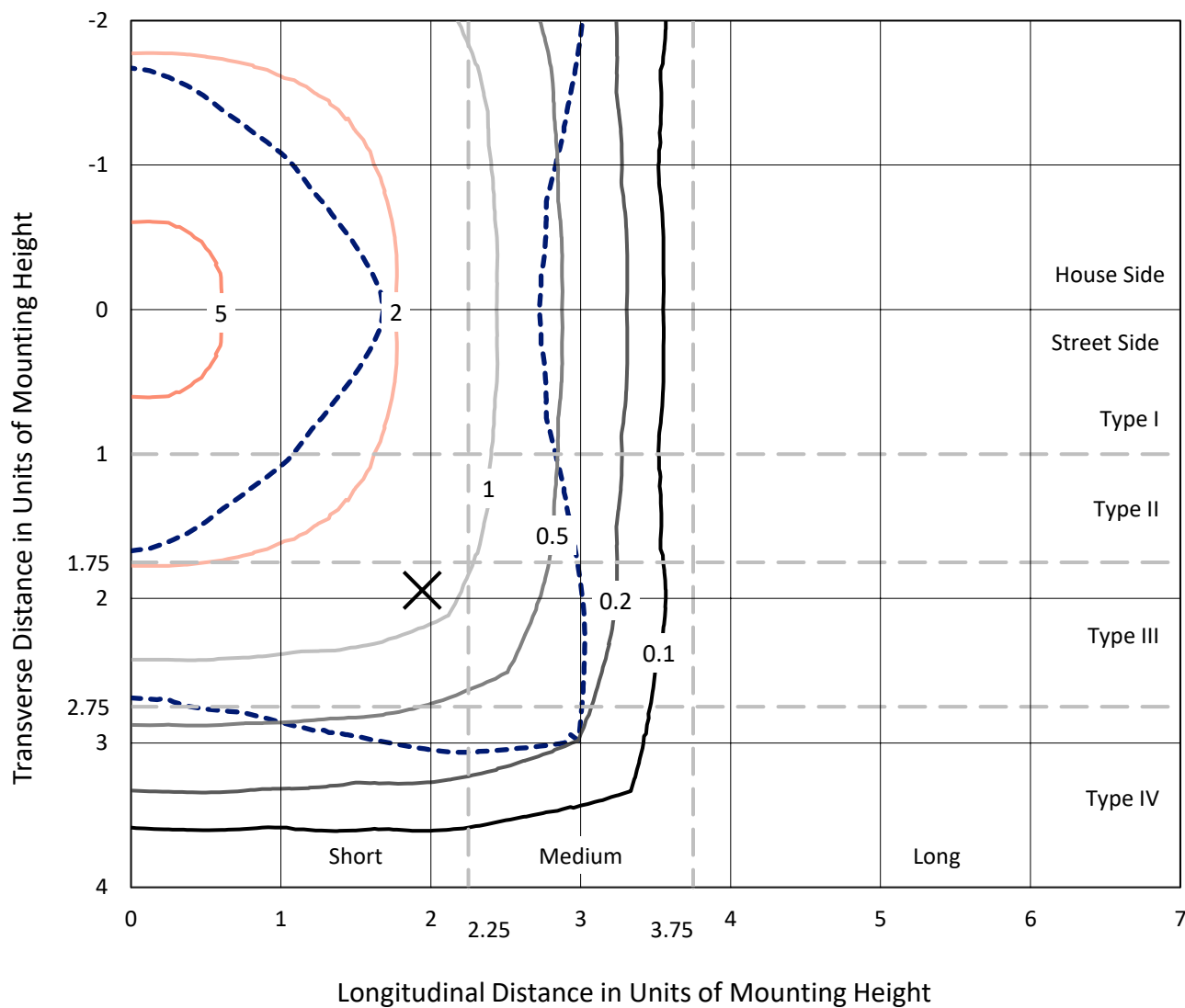
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

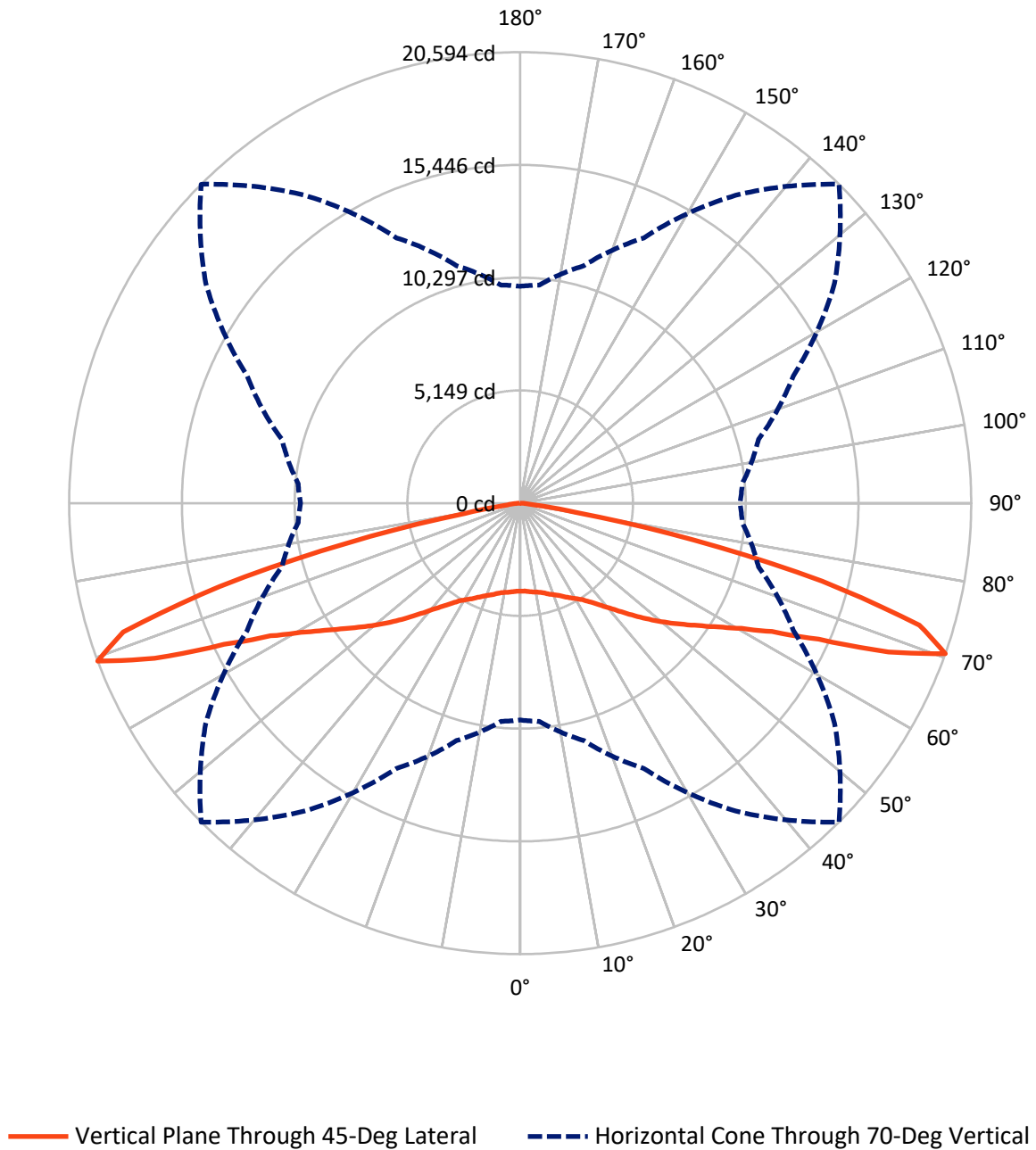


Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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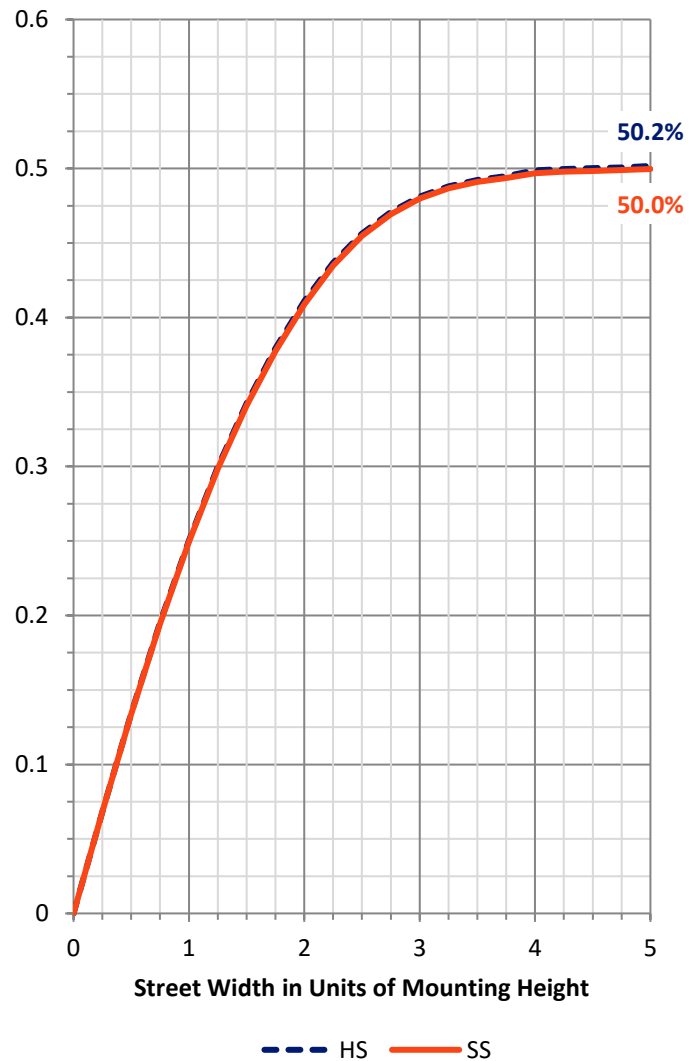
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20969.5	0.0	20969.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20969.5	0.0	20969.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41939.0	0.0	41939.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	0.9
10°-20°	1210.2	2.9
20°-30°	2162.8	5.2
30°-40°	3505.9	8.4
40°-50°	5710.5	13.6
50°-60°	8706.6	20.8
60°-70°	12952.7	30.9
70°-80°	7059.6	16.8
80°-90°	240.4	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°	41939.0	100.0
0°-180°	41939.0	100.0

Coefficient of Utilization



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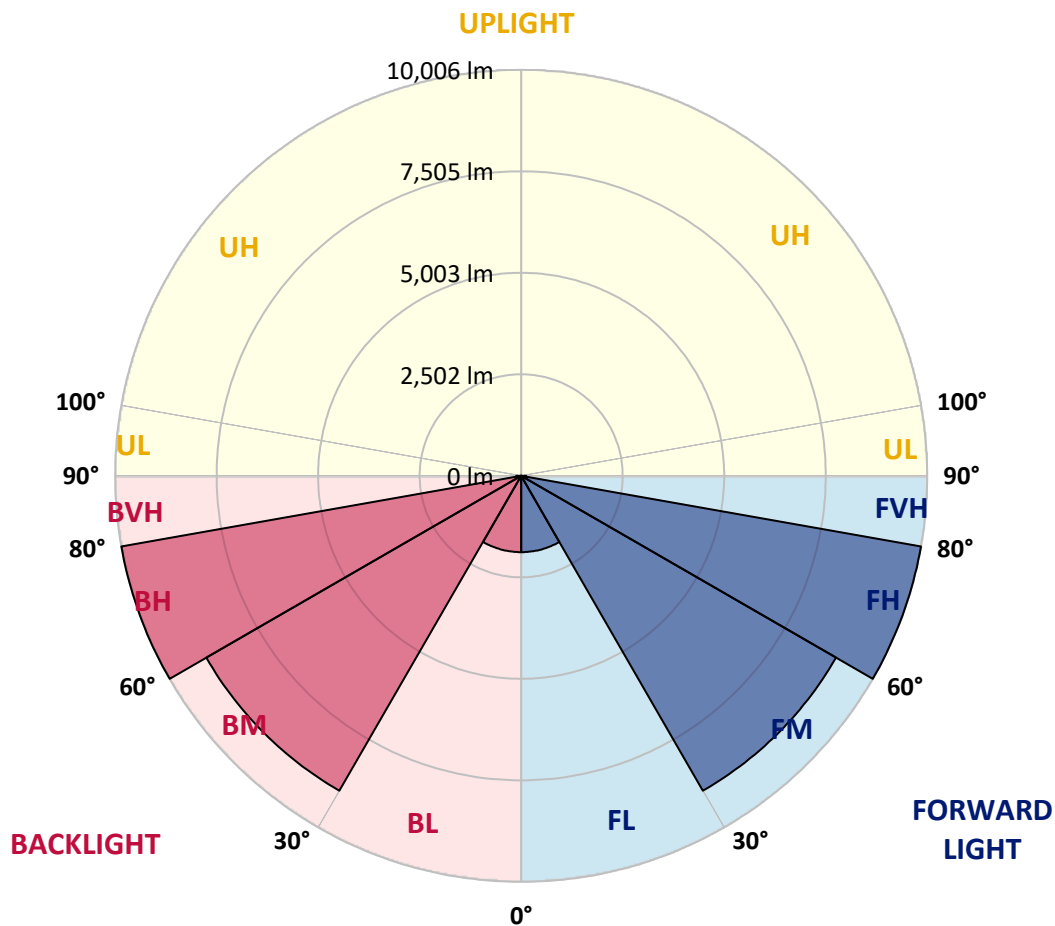
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1881.7	4.5			
FM	(30°-60°)	8961.5	21.4			
FH	(60°-80°)	10006.1	23.9			G4/12000
FVH	(80°-90°)	120.2	0.3			G2/225
BL	(0°-30°)	1881.7	4.5	B3/2500		
BM	(30°-60°)	8961.5	21.4	B5		
BH	(60°-80°)	10006.1	23.9	B5		G4/12000
BVH	(80°-90°)	120.2	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°	90°
0°	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3	4017.3
2.5°	4036.3	4040.5	4032.1	4027.8	4023.6	4017.3	4019.4	4030.0	4038.4	4036.3	4038.4
5°	4070.0	4074.2	4067.9	4065.7	4057.3	4055.2	4055.2	4065.7	4072.1	4067.9	4070.0
7.5°	4107.9	4114.2	4103.6	4101.5	4097.3	4093.1	4091.0	4101.5	4107.9	4107.9	4107.9
10°	4143.7	4150.0	4141.5	4135.2	4131.0	4131.0	4126.8	4135.2	4145.8	4143.7	4143.7
12.5°	4181.6	4185.8	4177.3	4173.1	4173.1	4179.4	4173.1	4177.3	4185.8	4181.6	4179.4
15°	4227.9	4230.0	4227.9	4234.2	4244.7	4265.8	4246.8	4242.6	4246.8	4236.3	4236.3
17.5°	4291.0	4295.3	4303.7	4318.4	4333.1	4371.0	4337.4	4326.8	4326.8	4305.8	4305.8
20°	4368.9	4375.3	4387.9	4413.2	4432.1	4467.9	4434.2	4419.5	4413.2	4385.8	4385.8
22.5°	4451.1	4461.6	4480.5	4514.2	4547.9	4581.6	4547.9	4522.6	4503.7	4467.9	4465.8
25°	4545.8	4558.4	4587.9	4642.7	4689.0	4737.4	4697.4	4646.9	4609.0	4558.4	4556.3
27.5°	4680.6	4695.3	4731.1	4798.5	4857.4	4899.5	4861.6	4796.4	4743.7	4682.7	4680.6
30°	4870.1	4884.8	4926.9	4998.5	5038.5	5065.9	5040.6	4990.1	4926.9	4857.4	4857.4
32.5°	5114.3	5133.2	5179.6	5246.9	5255.4	5259.6	5251.2	5225.9	5179.6	5095.3	5097.5
35°	5423.8	5444.9	5497.5	5552.2	5543.8	5552.2	5539.6	5531.2	5497.5	5400.6	5400.6
37.5°	5802.8	5828.1	5882.8	5924.9	5903.9	5893.3	5895.4	5897.5	5878.6	5771.2	5771.2
40°	6242.9	6276.5	6316.5	6360.8	6325.0	6293.4	6314.4	6331.3	6314.4	6205.0	6205.0
42.5°	6695.5	6744.0	6786.1	6849.2	6819.8	6779.8	6809.2	6828.2	6792.4	6674.5	6682.9
45°	7198.8	7245.1	7299.8	7394.6	7373.5	7331.4	7373.5	7377.7	7316.7	7177.7	7192.4
47.5°	7718.8	7767.2	7849.4	7975.7	7967.3	7920.9	7975.7	7946.2	7868.3	7702.0	7691.4
50°	8211.5	8278.9	8405.2	8582.1	8598.9	8542.1	8615.8	8558.9	8428.4	8219.9	8215.7
52.5°	8674.7	8746.3	8946.3	9186.4	9247.4	9173.7	9272.7	9173.7	8977.9	8710.5	8685.2
55°	9161.1	9241.1	9479.0	9792.7	9914.9	9860.1	9952.8	9803.3	9525.3	9201.1	9156.9
57.5°	9733.8	9782.2	10066.5	10439.1	10645.5	10658.1	10700.2	10447.6	10110.7	9742.2	9691.7
60°	10354.9	10422.3	10731.8	11178.2	11504.5	11609.8	11565.6	11190.8	10799.2	10376.0	10308.6
62.5°	11150.8	11224.5	11595.1	12129.9	12645.7	12906.8	12734.2	12190.9	11706.7	11199.2	11110.8
65°	11809.8	11891.9	12561.5	13515.3	14454.4	14978.6	14544.9	13544.8	12673.1	11957.2	11839.3
67.5°	11331.9	11432.9	12483.6	14235.4	16570.4	18134.8	16650.4	14450.1	12742.6	11771.9	11626.7
70°	9904.3	9999.1	11224.5	13365.8	17166.3	20594.0	17524.2	13759.5	11264.5	10178.1	10032.8
72.5°	6575.5	6880.8	8121.0	10689.7	15328.1	19057.0	15479.7	10472.8	7533.5	6560.8	6348.1
75°	2181.3	2425.6	3272.0	5541.7	10266.5	14252.2	9773.8	4903.7	2591.9	1865.5	1764.4
77.5°	549.5	633.8	873.8	1585.5	4095.2	8114.7	3686.8	1294.9	705.3	492.7	440.1
80°	267.4	294.8	421.1	528.5	1025.4	2579.3	962.2	496.9	332.7	256.9	235.8
82.5°	147.4	149.5	237.9	299.0	381.1	667.4	395.8	290.6	191.6	155.8	155.8
85°	90.5	88.4	126.3	160.0	160.0	237.9	189.5	160.0	109.5	96.9	101.1
87.5°	35.8	35.8	46.3	50.5	44.2	61.1	48.4	52.6	42.1	40.0	42.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)