

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: P954154

Luminaire Tested: **GALN-SB7C-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954154
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-SB7C-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55777 lumens
Efficiency: N/A
Efficacy: 159.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 350.5
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

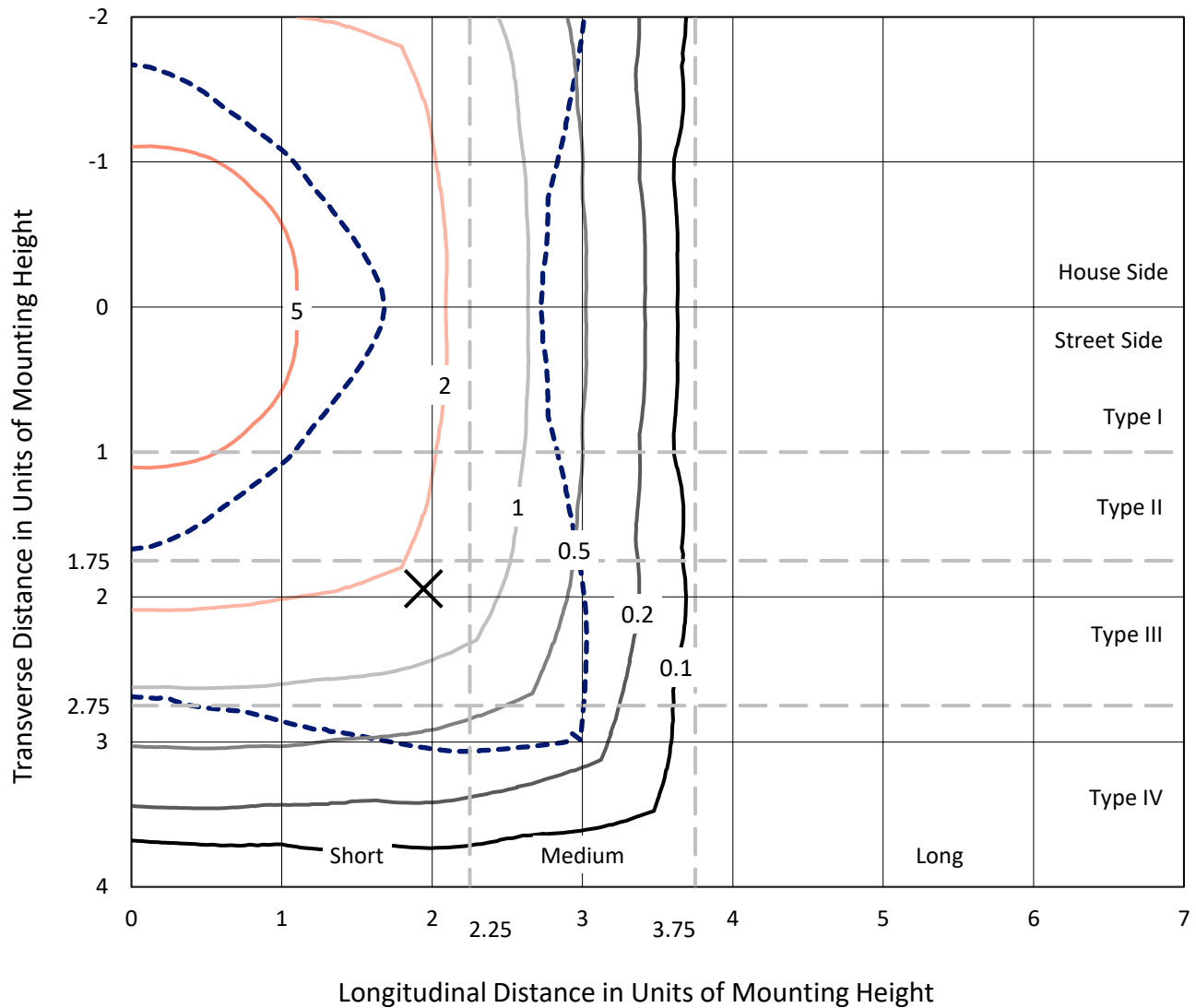


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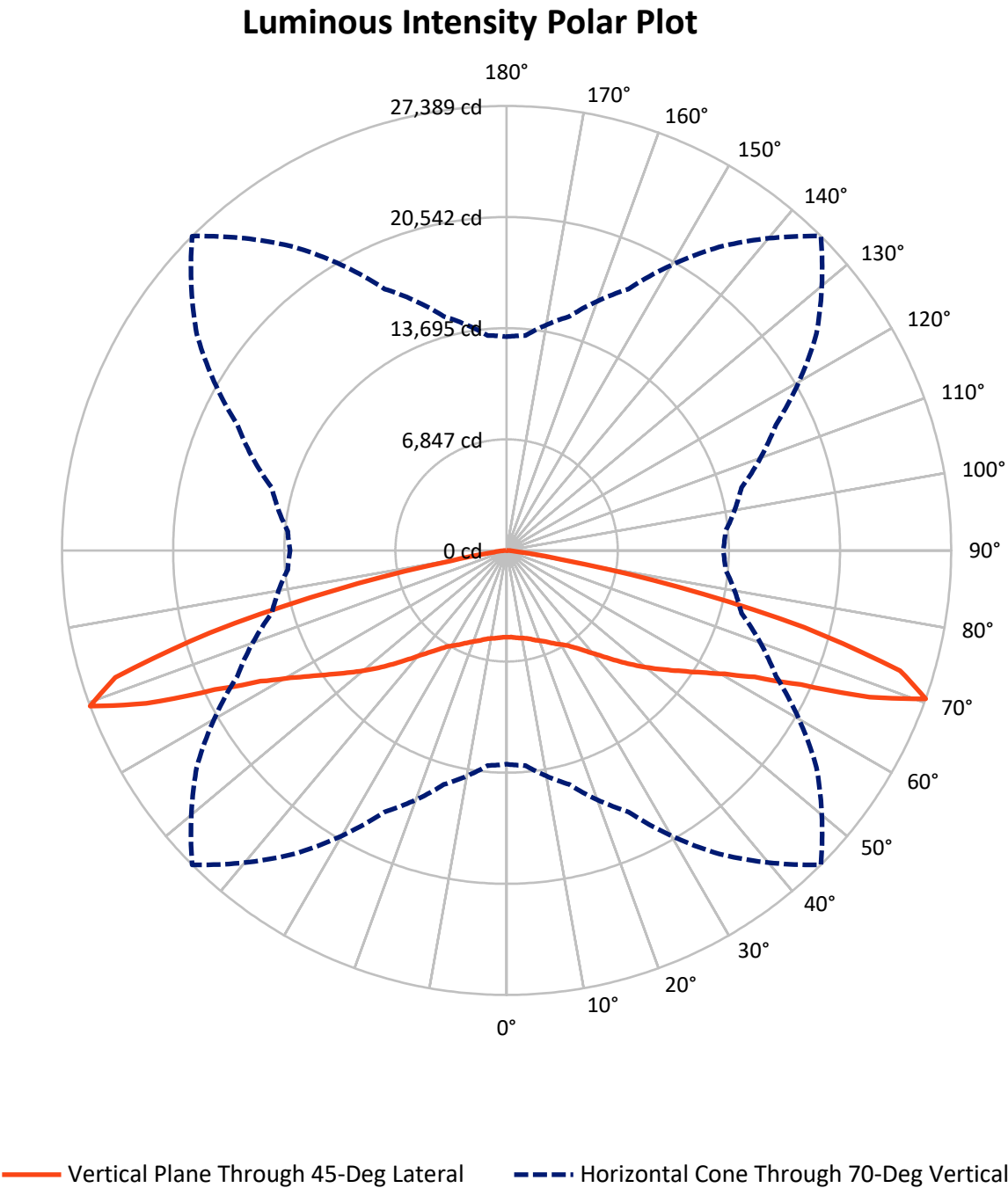
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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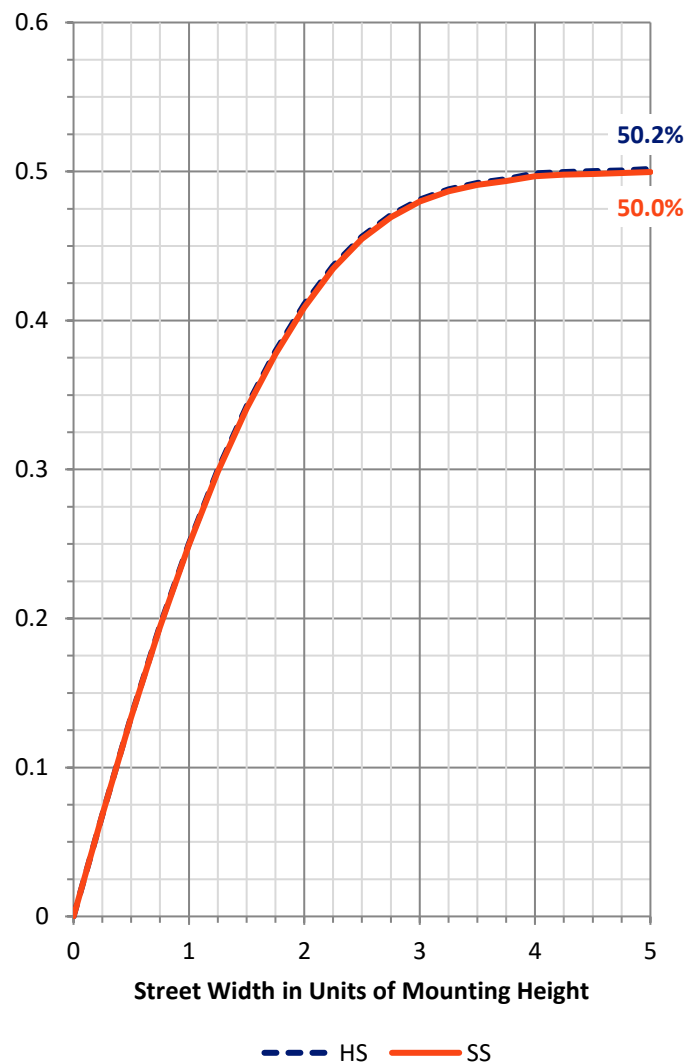
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27888.5	0.0	27888.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27888.5	0.0	27888.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	55777.0	0.0	55777.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.1	0.9
10°-20°	1609.5	2.9
20°-30°	2876.4	5.2
30°-40°	4662.7	8.4
40°-50°	7594.7	13.6
50°-60°	11579.4	20.8
60°-70°	17226.5	30.9
70°-80°	9389.0	16.8
80°-90°	319.7	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°	55777.0	100.0
0°-180°	55777.0	100.0

Coefficient of Utilization



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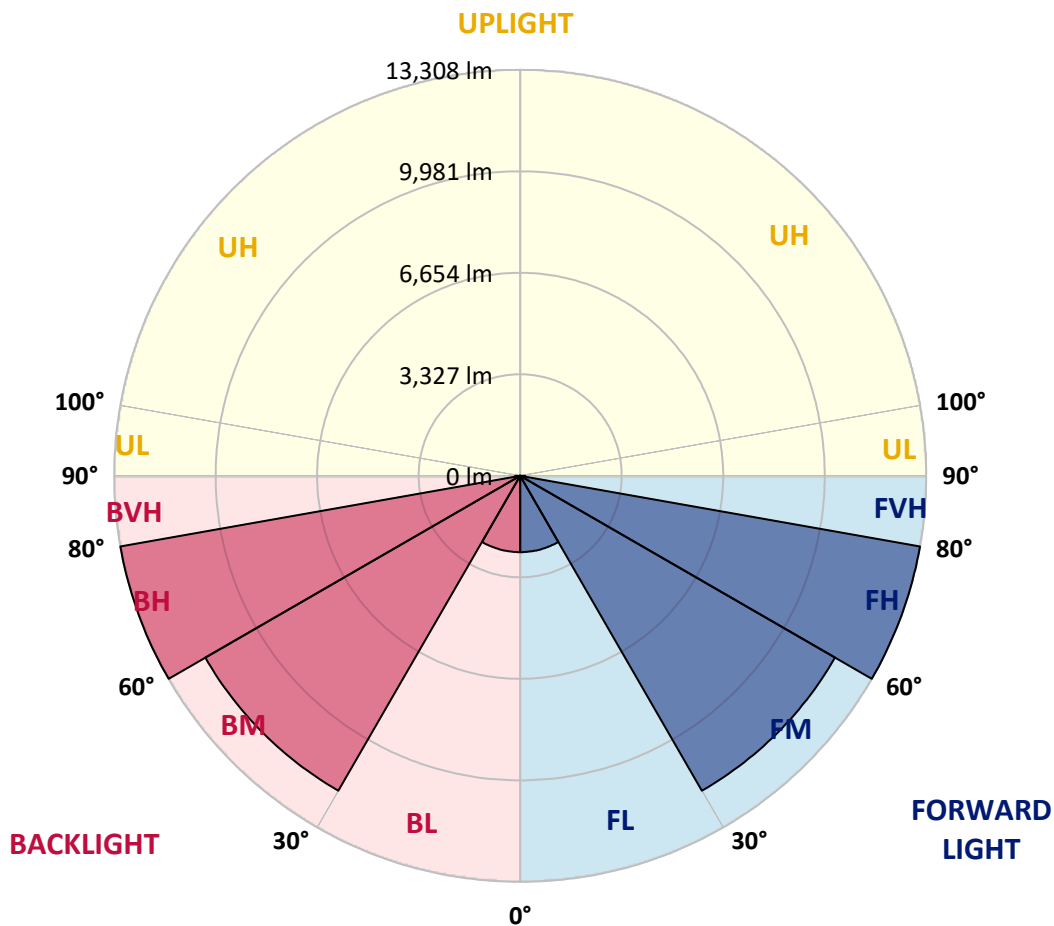
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2502.5	4.5			
FM	(30°-60°)	11918.4	21.4			
FH	(60°-80°)	13307.7	23.9			G5
FVH	(80°-90°)	159.9	0.3			G2/225
BL	(0°-30°)	2502.5	4.5	B4/5000		
BM	(30°-60°)	11918.4	21.4	B5		
BH	(60°-80°)	13307.7	23.9	B5		G5
BVH	(80°-90°)	159.9	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9	5342.9
2.5°	5368.1	5373.7	5362.5	5356.9	5351.3	5342.9	5345.7	5359.7	5370.9	5368.1	5370.9
5°	5412.9	5418.5	5410.1	5407.3	5396.1	5393.3	5393.3	5407.3	5415.7	5410.1	5412.9
7.5°	5463.3	5471.7	5457.7	5454.9	5449.3	5443.7	5440.9	5454.9	5463.3	5463.3	5463.3
10°	5510.9	5519.3	5508.1	5499.7	5494.1	5494.1	5488.5	5499.7	5513.7	5510.9	5510.9
12.5°	5561.3	5566.9	5555.7	5550.1	5550.1	5558.5	5550.1	5555.7	5566.9	5561.3	5558.5
15°	5622.9	5625.7	5622.9	5631.3	5645.3	5673.3	5648.1	5642.5	5648.1	5634.1	5634.1
17.5°	5706.9	5712.5	5723.7	5743.3	5762.9	5813.3	5768.5	5754.5	5754.5	5726.5	5726.5
20°	5810.5	5818.9	5835.7	5869.3	5894.5	5942.1	5897.3	5877.7	5869.3	5832.9	5832.9
22.5°	5919.7	5933.7	5958.9	6003.7	6048.5	6093.3	6048.5	6014.9	5989.7	5942.1	5939.3
25°	6045.7	6062.5	6101.7	6174.5	6236.1	6300.5	6247.3	6180.1	6129.7	6062.5	6059.7
27.5°	6224.9	6244.5	6292.1	6381.7	6460.2	6516.2	6465.8	6378.9	6308.9	6227.7	6224.9
30°	6477.0	6496.6	6552.6	6647.8	6701.0	6737.4	6703.8	6636.6	6552.6	6460.2	6460.2
32.5°	6801.8	6827.0	6888.6	6978.2	6989.4	6995.0	6983.8	6950.2	6888.6	6776.6	6779.4
35°	7213.4	7241.4	7311.4	7384.2	7373.0	7384.2	7367.4	7356.2	7311.4	7182.6	7182.6
37.5°	7717.5	7751.1	7823.9	7879.9	7851.9	7837.9	7840.7	7843.5	7818.3	7675.5	7675.5
40°	8302.7	8347.5	8400.7	8459.5	8411.9	8369.9	8397.9	8420.3	8397.9	8252.3	8252.3
42.5°	8904.8	8969.2	9025.2	9109.2	9070.0	9016.8	9056.0	9081.2	9033.6	8876.8	8888.0
45°	9574.0	9635.6	9708.4	9834.4	9806.4	9750.4	9806.4	9812.0	9730.8	9546.0	9565.6
47.5°	10265.7	10330.1	10439.3	10607.3	10596.1	10534.5	10607.3	10568.1	10464.5	10243.3	10229.3
50°	10920.9	11010.5	11178.6	11413.8	11436.2	11360.6	11458.6	11383.0	11209.4	10932.1	10926.5
52.5°	11537.0	11632.2	11898.2	12217.5	12298.7	12200.6	12332.3	12200.6	11940.2	11584.6	11551.0
55°	12183.8	12290.3	12606.7	13023.9	13186.3	13113.5	13236.7	13037.9	12668.3	12237.1	12178.2
57.5°	12945.5	13009.9	13388.0	13883.6	14158.0	14174.8	14230.8	13894.8	13446.8	12956.7	12889.5
60°	13771.6	13861.2	14272.8	14866.5	15300.5	15440.5	15381.7	14883.3	14362.4	13799.6	13710.0
62.5°	14830.1	14928.1	15420.9	16132.2	16818.2	17165.5	16935.9	16213.4	15569.3	14894.5	14776.9
65°	15706.6	15815.8	16706.2	17974.7	19223.7	19920.9	19344.1	18013.9	16854.6	15902.6	15745.8
67.5°	15070.9	15205.3	16602.6	18932.4	22037.9	24118.5	22144.3	19218.1	16947.1	15656.1	15462.9
70°	13172.3	13298.3	14928.1	17775.9	22830.4	27389.2	23306.4	18299.6	14981.3	13536.4	13343.1
72.5°	8745.2	9151.2	10800.5	14216.8	20385.8	25345.0	20587.4	13928.4	10019.3	8725.6	8442.7
75°	2901.0	3225.9	4351.6	7370.2	13654.0	18954.8	12998.7	6521.8	3447.1	2481.0	2346.6
77.5°	730.9	842.9	1162.1	2108.6	5446.5	10792.1	4903.2	1722.1	938.1	655.3	585.3
80°	355.6	392.0	560.0	702.9	1363.7	3430.3	1279.7	660.9	442.4	341.6	313.6
82.5°	196.0	198.8	316.4	397.6	506.8	887.7	526.4	386.4	254.8	207.2	207.2
85°	120.4	117.6	168.0	212.8	212.8	316.4	252.0	212.8	145.6	128.8	134.4
87.5°	47.6	47.6	61.6	67.2	58.8	81.2	64.4	70.0	56.0	53.2	56.0
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)