

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: P956989

Luminaire Tested: **GALN-SB9C-727-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956989
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-SB9C-727-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 66261 lumens
Efficiency: N/A
Efficacy: 147.3 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): 449.8
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



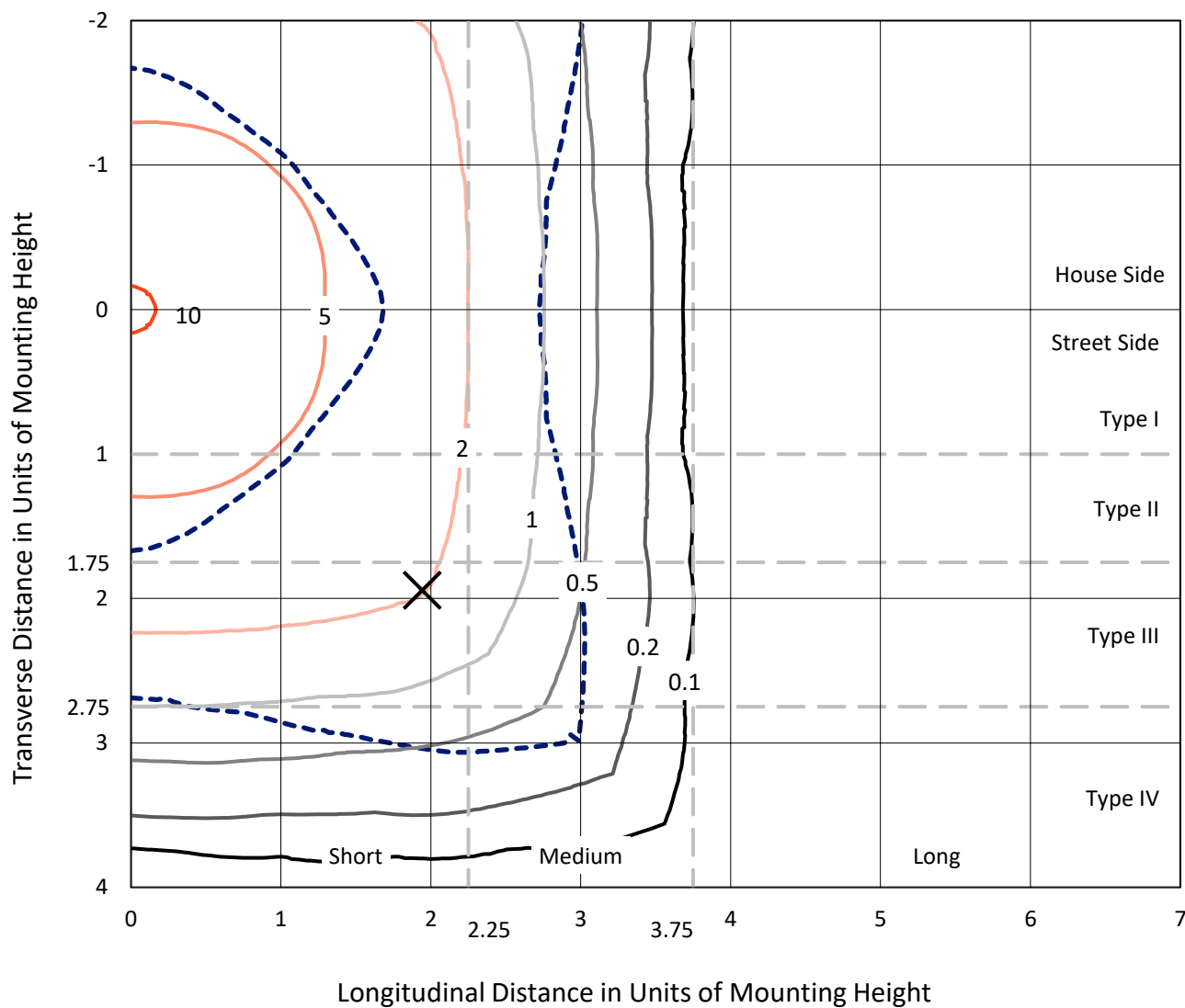
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

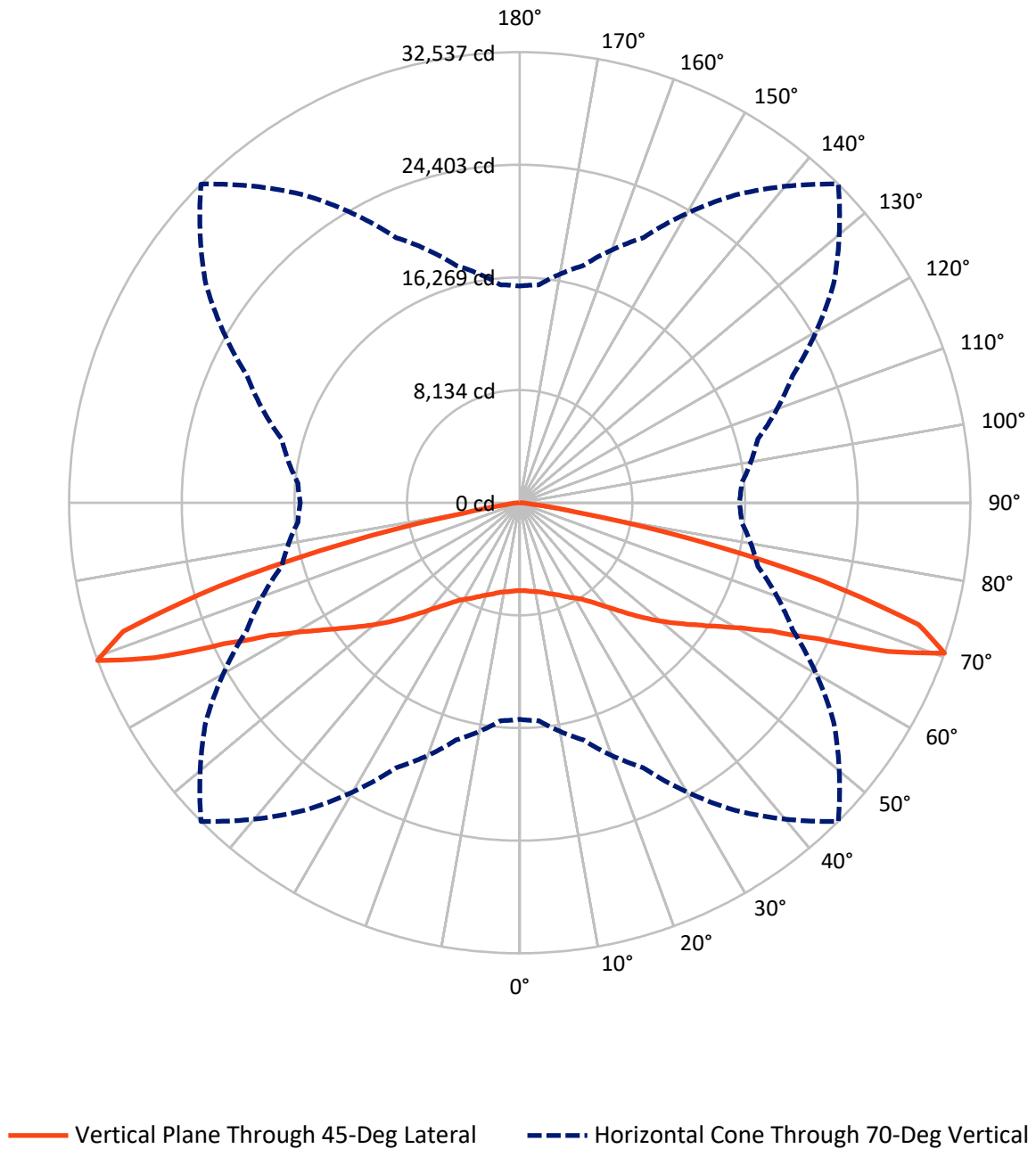


Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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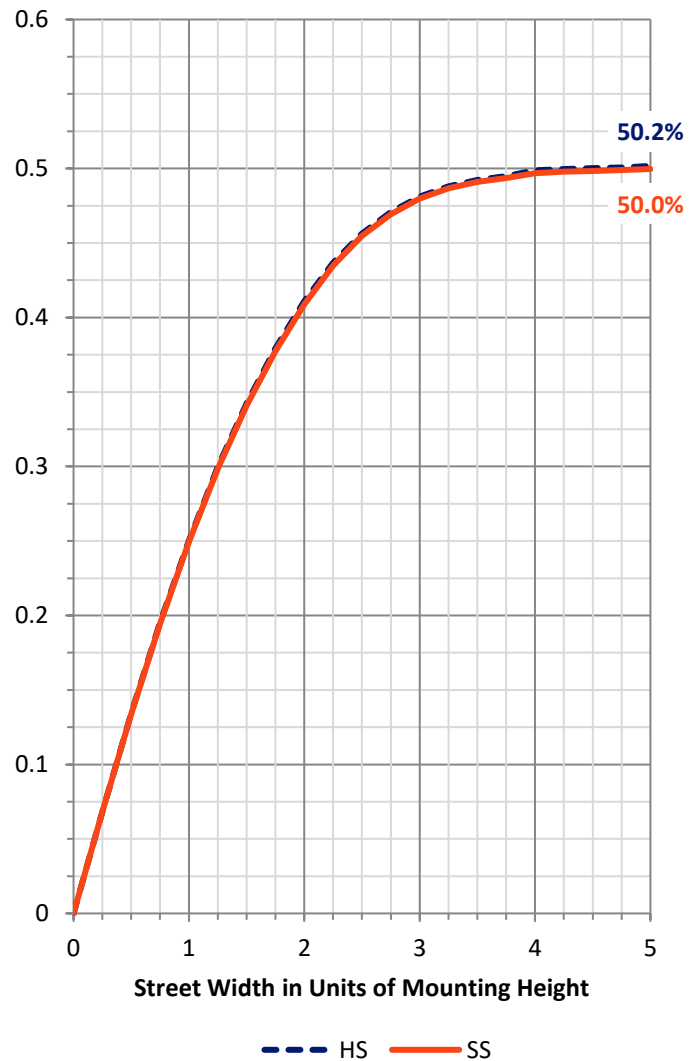
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	33130.5	0.0	33130.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	33130.5	0.0	33130.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	66261.0	0.0	66261.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	616.6	0.9
10°-20°	1912.1	2.9
20°-30°	3417.1	5.2
30°-40°	5539.1	8.4
40°-50°	9022.3	13.6
50°-60°	13755.9	20.8
60°-70°	20464.4	30.9
70°-80°	11153.7	16.8
80°-90°	379.8	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°	66261.0	100.0
0°-180°	66261.0	100.0

Coefficient of Utilization



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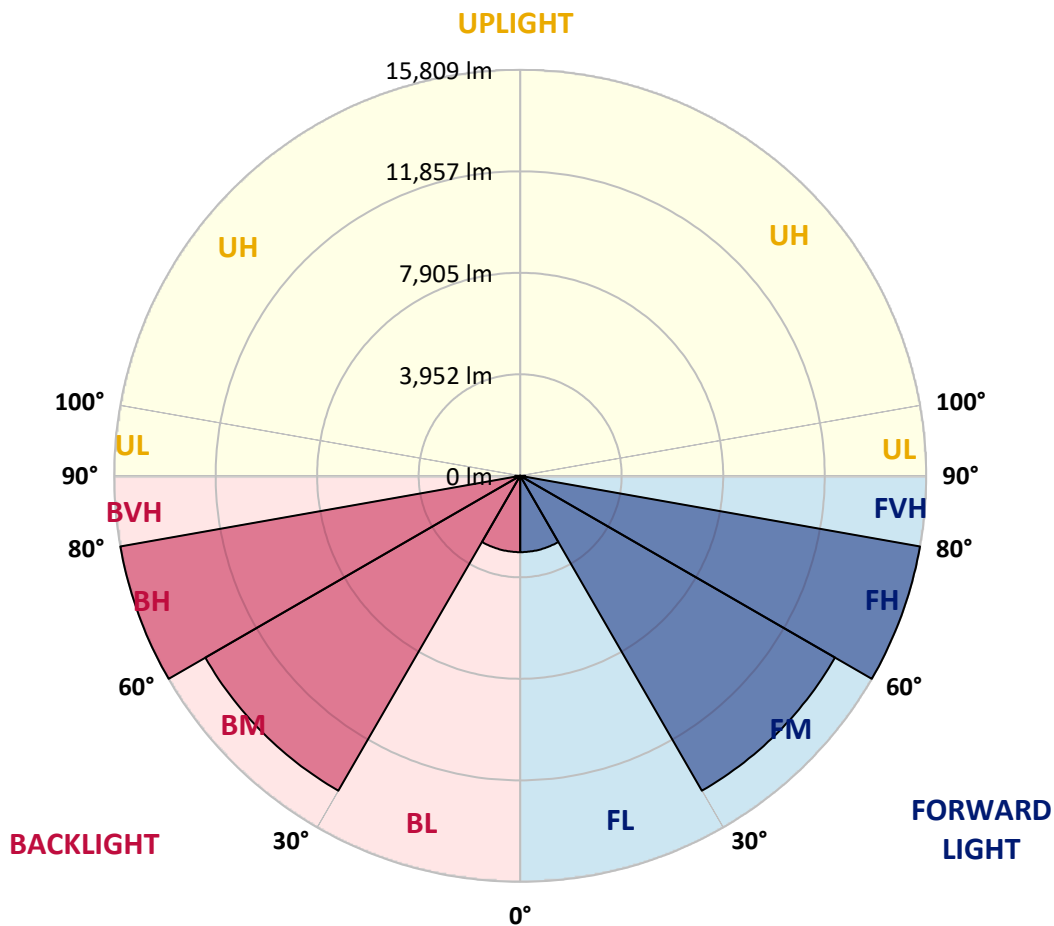
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2972.9	4.5			
FM	(30°-60°)	14158.6	21.4			
FH	(60°-80°)	15809.1	23.9			G5
FVH	(80°-90°)	189.9	0.3			G2/225
BL	(0°-30°)	2972.9	4.5	B4/5000		
BM	(30°-60°)	14158.6	21.4	B5		
BH	(60°-80°)	15809.1	23.9	B5		G5
BVH	(80°-90°)	189.9	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°	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1	6347.1
2.5°	6377.1	6383.7	6370.4	6363.8	6357.1	6347.1	6350.4	6367.1	6380.4	6377.1	6380.4
5°	6430.3	6436.9	6427.0	6423.6	6410.3	6407.0	6407.0	6423.6	6433.6	6427.0	6430.3
7.5°	6490.2	6500.1	6483.5	6480.2	6473.5	6466.9	6463.5	6480.2	6490.2	6490.2	6490.2
10°	6546.7	6556.7	6543.4	6533.4	6526.8	6526.8	6520.1	6533.4	6550.0	6546.7	6546.7
12.5°	6606.6	6613.2	6599.9	6593.3	6593.3	6603.3	6593.3	6599.9	6613.2	6606.6	6603.3
15°	6679.8	6683.1	6679.8	6689.8	6706.4	6739.7	6709.7	6703.1	6709.7	6693.1	6693.1
17.5°	6779.6	6786.2	6799.5	6822.8	6846.1	6906.0	6852.8	6836.1	6836.1	6802.9	6802.9
20°	6902.7	6912.6	6932.6	6972.5	7002.5	7059.0	7005.8	6982.5	6972.5	6929.3	6929.3
22.5°	7032.4	7049.0	7079.0	7132.2	7185.4	7238.6	7185.4	7145.5	7115.6	7059.0	7055.7
25°	7182.1	7202.0	7248.6	7335.1	7408.3	7484.8	7421.6	7341.8	7281.9	7202.0	7198.7
27.5°	7395.0	7418.3	7474.8	7581.3	7674.4	7741.0	7681.1	7578.0	7494.8	7398.3	7395.0
30°	7694.4	7717.7	7784.2	7897.3	7960.5	8003.8	7963.8	7884.0	7784.2	7674.4	7674.4
32.5°	8080.3	8110.2	8183.4	8289.8	8303.1	8309.8	8296.5	8256.6	8183.4	8050.3	8053.7
35°	8569.3	8602.5	8685.7	8772.2	8758.9	8772.2	8752.2	8738.9	8685.7	8532.7	8532.7
37.5°	9168.1	9208.0	9294.5	9361.0	9327.7	9311.1	9314.4	9317.8	9287.8	9118.2	9118.2
40°	9863.3	9916.5	9979.7	10049.6	9993.1	9943.2	9976.4	10003.0	9976.4	9803.4	9803.4
42.5°	10578.5	10655.0	10721.6	10821.4	10774.8	10711.6	10758.2	10788.1	10731.6	10545.3	10558.6
45°	11373.6	11446.8	11533.3	11683.0	11649.7	11583.2	11649.7	11656.3	11559.9	11340.3	11363.6
47.5°	12195.2	12271.8	12401.5	12601.1	12587.8	12514.6	12601.1	12554.5	12431.4	12168.6	12152.0
50°	12973.7	13080.1	13279.7	13559.1	13585.8	13495.9	13612.4	13522.6	13316.3	12987.0	12980.3
52.5°	13705.5	13818.6	14134.6	14513.9	14610.3	14493.9	14650.3	14493.9	14184.5	13762.1	13722.1
55°	14474.0	14600.4	14976.3	15471.9	15664.9	15578.4	15724.8	15488.6	15049.5	14537.2	14467.3
57.5°	15378.8	15455.3	15904.4	16493.2	16819.2	16839.2	16905.7	16506.5	15974.2	15392.1	15312.3
60°	16360.1	16466.6	16955.6	17660.8	18176.4	18342.8	18272.9	17680.8	17062.0	16393.4	16286.9
62.5°	17617.6	17734.0	18319.5	19164.4	19979.5	20391.9	20119.2	19260.9	18495.8	17694.1	17554.4
65°	18658.8	18788.5	19846.4	21353.3	22837.0	23665.3	22980.0	21399.9	20022.7	18891.7	18705.4
67.5°	17903.7	18063.3	19723.3	22491.0	26180.2	28651.8	26306.6	22830.3	20132.5	18598.9	18369.4
70°	15648.2	15797.9	17734.0	21117.1	27121.6	32537.3	27687.1	21739.2	17797.2	16080.7	15851.2
72.5°	10388.9	10871.3	12830.6	16889.1	24217.5	30108.9	24457.0	16546.4	11902.5	10365.6	10029.6
75°	3446.3	3832.2	5169.5	8755.6	16220.4	22517.6	15442.0	7747.6	4095.0	2947.4	2787.7
77.5°	868.2	1001.3	1380.5	2504.9	6470.2	12820.6	5824.8	2045.8	1114.4	778.4	695.3
80°	422.5	465.7	665.3	835.0	1620.0	4075.1	1520.2	785.1	525.6	405.8	372.6
82.5°	232.9	236.2	375.9	472.4	602.1	1054.5	625.4	459.1	302.7	246.2	246.2
85°	143.0	139.7	199.6	252.8	252.8	375.9	299.4	252.8	173.0	153.0	159.7
87.5°	56.6	56.6	73.2	79.8	69.9	96.5	76.5	83.2	66.5	63.2	66.5
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)