

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: P952709

Luminaire Tested: **GALN-SB6C-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43377 lumens
Efficiency: N/A
Efficacy: 144.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

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

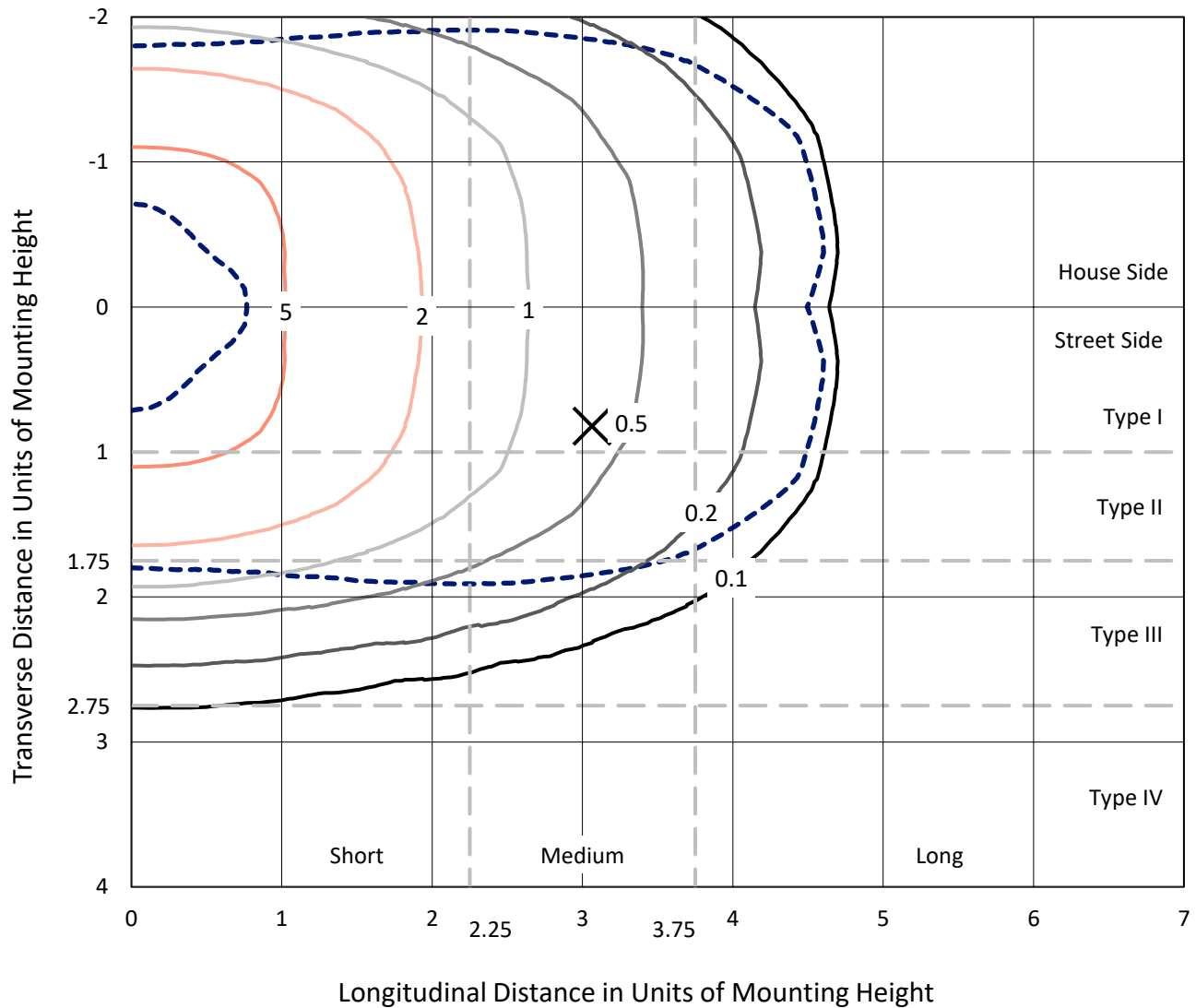


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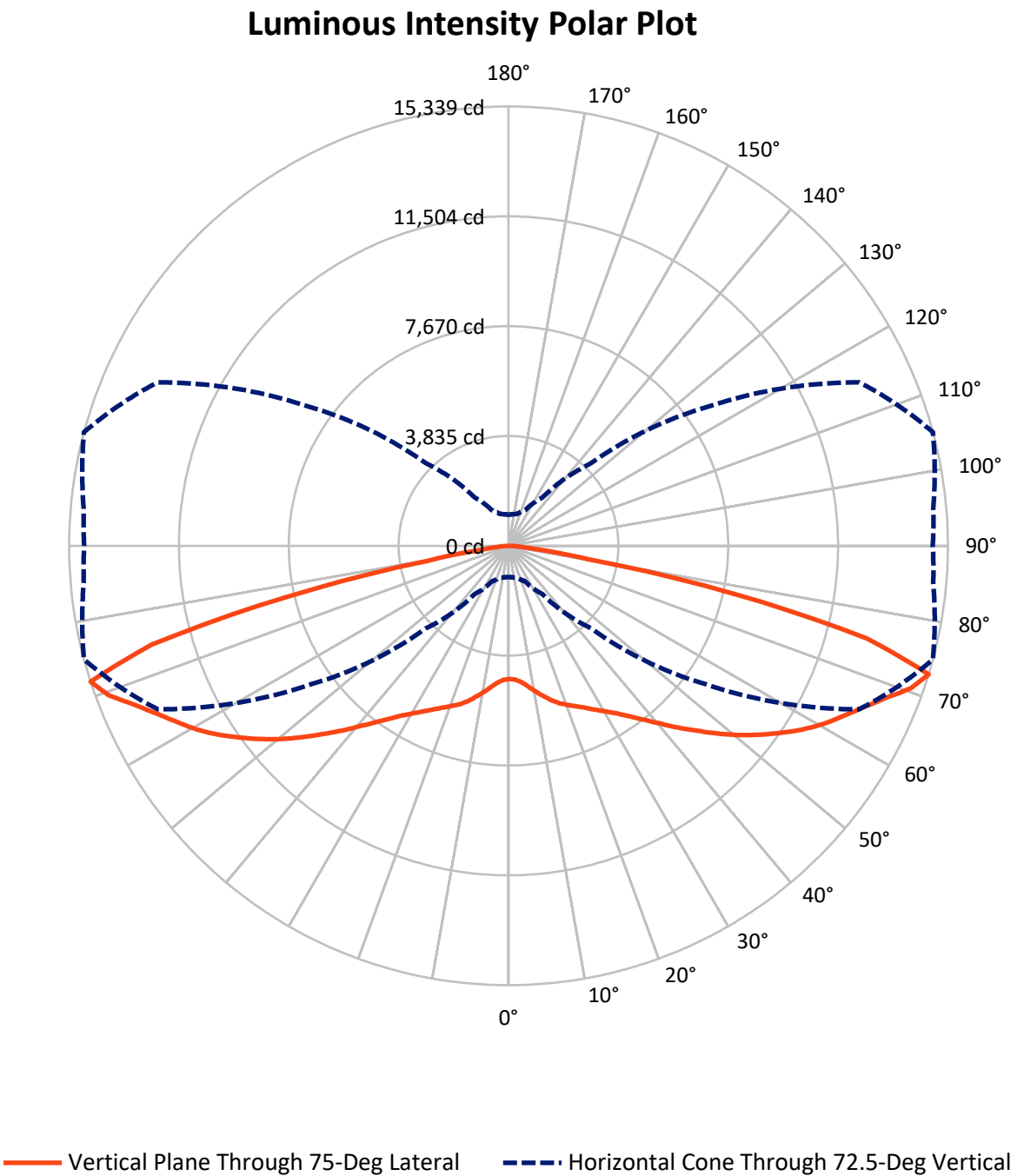
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Medium - N/A

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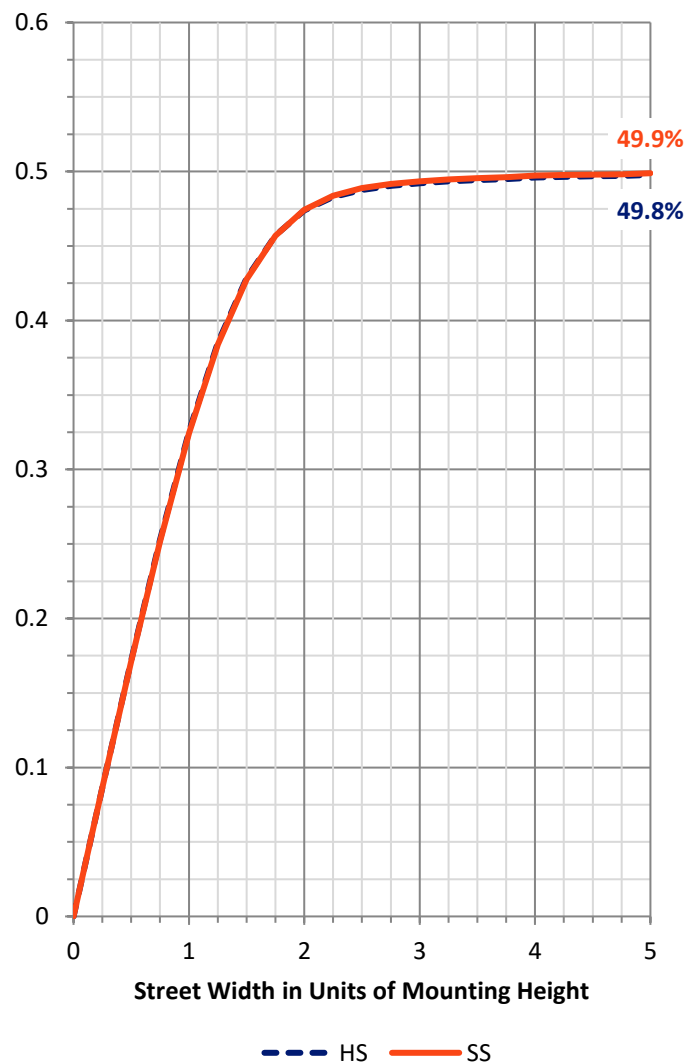
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21688.5	0.0	21688.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21688.5	0.0	21688.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	43377.0	0.0	43377.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	455.2	1.0
10°-20°	1501.2	3.5
20°-30°	2900.8	6.7
30°-40°	4898.1	11.3
40°-50°	7767.9	17.9
50°-60°	10400.3	24.0
60°-70°	9897.8	22.8
70°-80°	5164.8	11.9
80°-90°	391.0	0.9
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°	43377.0	100.0
0°-180°	43377.0	100.0

Coefficient of Utilization



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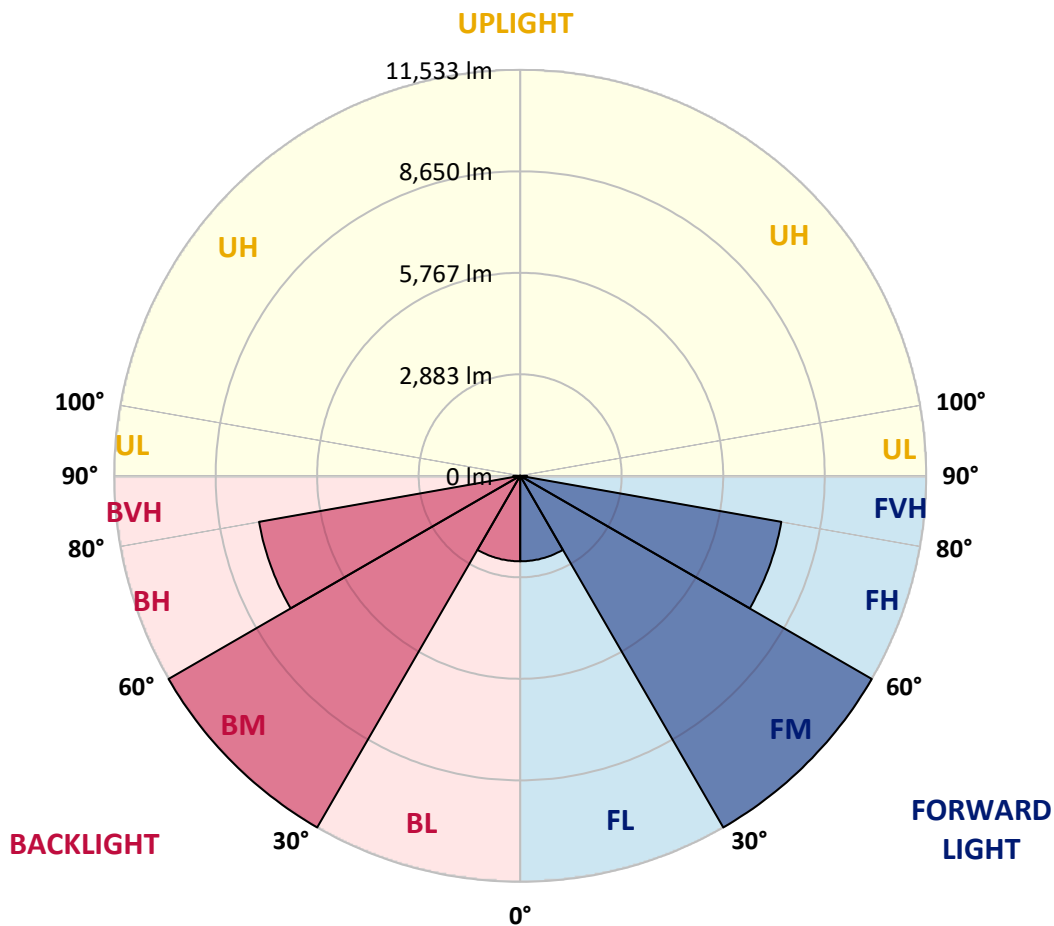
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2428.6	5.6			
FM	(30°-60°)	11533.2	26.6			
FH	(60°-80°)	7531.3	17.4			G4/12000
FVH	(80°-90°)	195.5	0.5			G2/225
BL	(0°-30°)	2428.6	5.6	B3/2500		
BM	(30°-60°)	11533.2	26.6	B5		
BH	(60°-80°)	7531.3	17.4	B5		G5
BVH	(80°-90°)	195.5	0.5			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5	4646.5
2.5°	4646.5	4642.0	4646.5	4650.9	4648.7	4648.7	4659.7	4666.4	4679.7	4677.5	4675.2
5°	4615.4	4613.2	4631.0	4650.9	4666.4	4693.0	4726.2	4750.5	4781.6	4788.2	4788.2
7.5°	4599.9	4593.3	4624.3	4659.7	4708.5	4774.9	4839.1	4905.6	4958.7	4976.4	4980.9
10°	4611.0	4613.2	4655.3	4721.8	4799.3	4892.3	4983.1	5096.0	5171.3	5189.1	5206.8
12.5°	4662.0	4657.5	4728.4	4834.7	4941.0	5058.4	5164.7	5288.7	5370.7	5412.7	5430.5
15°	4755.0	4746.1	4845.8	5003.0	5158.1	5295.4	5381.7	5499.1	5594.3	5647.5	5667.4
17.5°	4865.7	4870.1	5000.8	5204.6	5408.3	5563.3	5645.3	5705.1	5778.2	5824.7	5846.8
20°	5060.6	5069.5	5215.6	5457.0	5689.6	5866.8	5933.2	5911.1	5931.0	5966.4	5993.0
22.5°	5321.9	5326.4	5490.3	5751.6	5995.2	6190.1	6234.4	6143.6	6088.2	6112.6	6130.3
25°	5625.4	5654.1	5818.0	6086.0	6336.3	6522.3	6542.2	6404.9	6267.6	6274.3	6285.3
27.5°	5995.2	6021.8	6187.9	6453.7	6708.3	6870.0	6867.8	6684.0	6482.4	6431.5	6447.0
30°	6396.1	6424.9	6595.4	6870.0	7107.0	7248.7	7217.7	6998.5	6710.6	6615.3	6626.4
32.5°	6872.2	6890.0	7062.7	7337.3	7556.6	7669.5	7605.3	7335.1	6976.3	6867.8	6894.4
35°	7448.1	7474.6	7603.1	7862.2	8054.9	8147.9	8039.4	7720.5	7317.4	7195.6	7213.3
37.5°	8105.8	8088.1	8234.3	8464.6	8624.1	8681.6	8533.3	8154.5	7707.2	7563.2	7589.8
40°	8792.4	8783.5	8943.0	9164.5	9250.8	9286.3	9067.0	8652.9	8156.8	8001.7	8052.7
42.5°	9414.7	9408.1	9622.9	9868.7	9972.8	9933.0	9656.1	9182.2	8677.2	8500.0	8544.3
45°	9913.0	9904.2	10167.7	10513.2	10717.0	10650.5	10278.5	9766.9	9204.3	9020.5	9062.6
47.5°	10296.2	10300.6	10584.1	11011.5	11368.1	11392.4	10914.1	10362.6	9784.6	9576.4	9638.4
50°	10573.0	10586.3	10889.7	11363.7	11850.9	12065.7	11563.0	10973.9	10384.8	10150.0	10220.9
52.5°	10641.7	10666.0	11031.5	11587.3	12161.0	12570.7	12223.0	11560.8	10953.9	10730.3	10787.8
55°	10276.2	10325.0	10787.8	11569.6	12351.4	12902.9	12803.2	12156.5	11527.5	11297.2	11361.4
57.5°	9436.9	9505.5	10045.9	11066.9	12309.3	13131.0	13252.8	12727.9	12101.2	11879.7	11930.6
60°	8260.9	8342.8	8861.0	9975.0	11715.8	13215.2	13569.5	13283.8	12628.3	12413.4	12459.9
62.5°	6486.9	6593.2	7213.3	8520.0	10462.3	12823.1	13839.7	13786.5	13102.2	12834.2	12865.2
65°	4161.4	4274.4	4927.7	6471.4	8790.2	11622.8	13923.9	14276.0	13602.7	13228.4	13274.9
67.5°	2509.3	2560.2	2883.5	3922.2	6424.9	9813.4	13210.7	14818.6	14187.4	13722.3	13757.8
70°	1605.7	1634.5	1827.1	2303.3	3632.1	7160.1	11443.4	14920.5	14896.1	14229.5	14225.1
72.5°	1089.6	1098.5	1149.4	1364.3	2055.2	4068.4	8440.2	13507.5	15339.1	14882.8	14812.0
75°	797.3	846.0	928.0	965.6	1167.2	2033.1	4836.9	9490.0	12927.2	13126.6	12643.8
77.5°	593.5	595.8	708.7	753.0	832.7	1083.0	2046.4	5297.6	8026.1	8427.0	7516.7
80°	502.7	476.2	473.9	606.8	626.8	675.5	914.7	1829.3	2874.7	1743.0	1317.8
82.5°	418.6	389.8	352.1	473.9	427.4	414.2	396.4	744.1	914.7	449.6	383.1
85°	292.3	279.1	265.8	310.1	243.6	208.2	190.5	347.7	385.4	190.5	168.3
87.5°	126.2	130.7	132.9	137.3	101.9	73.1	73.1	97.4	97.4	75.3	55.4
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)