

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: P951302

Luminaire Tested: **GALN-SB5C-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951302
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-SB5C-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38956 lumens
Efficiency: N/A
Efficacy: 156.1 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): 249.5
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

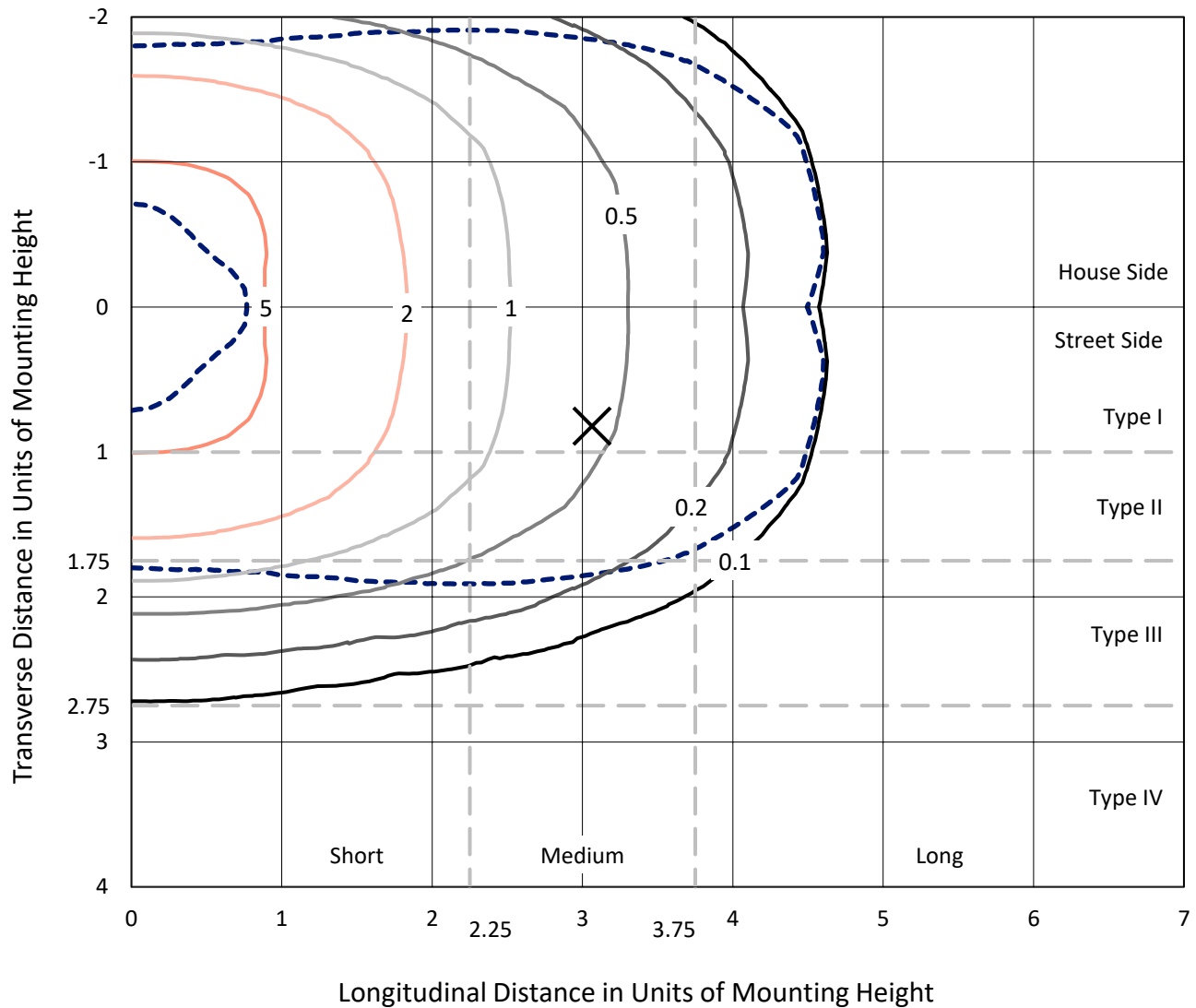


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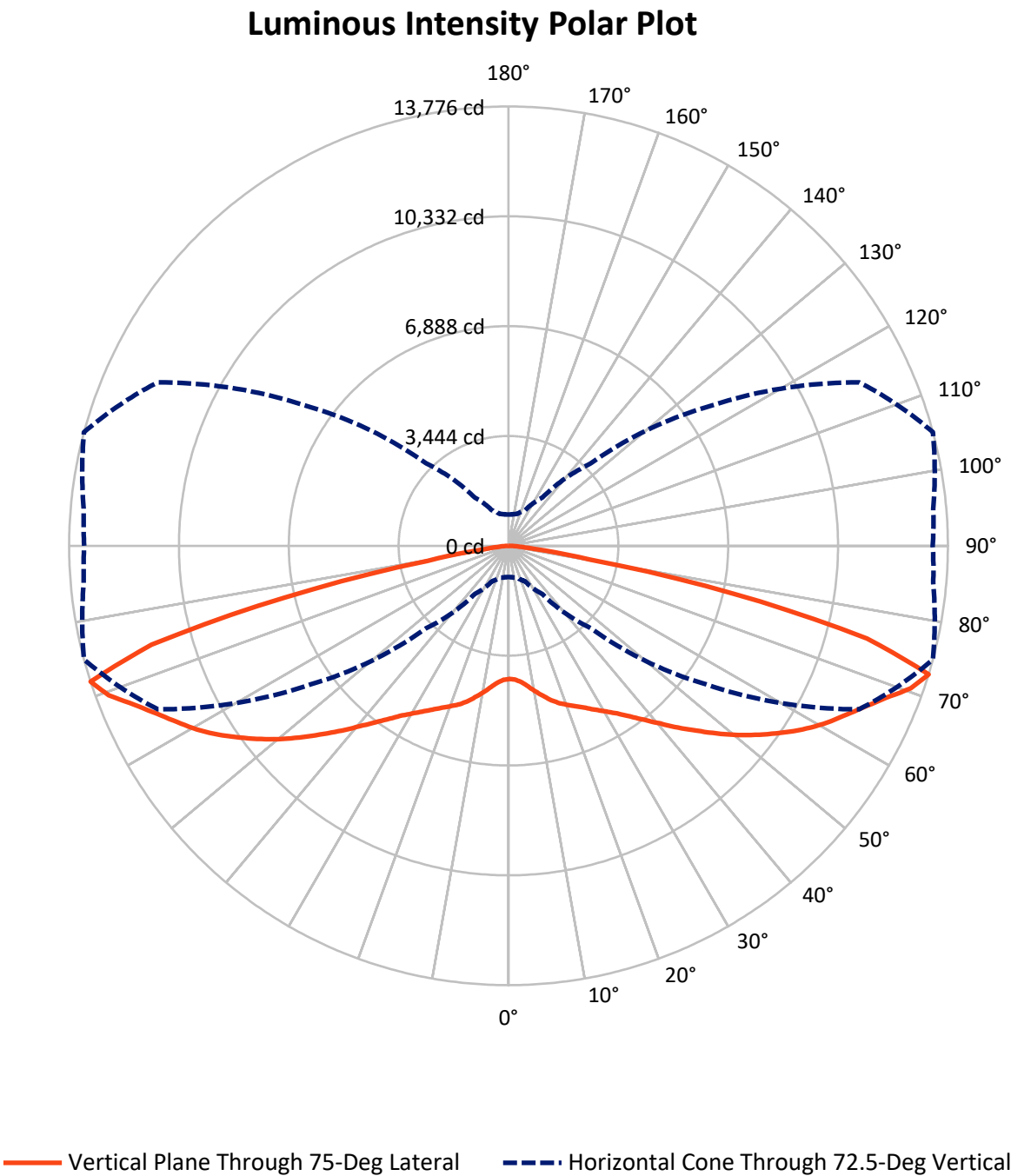
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type III - Medium - N/A

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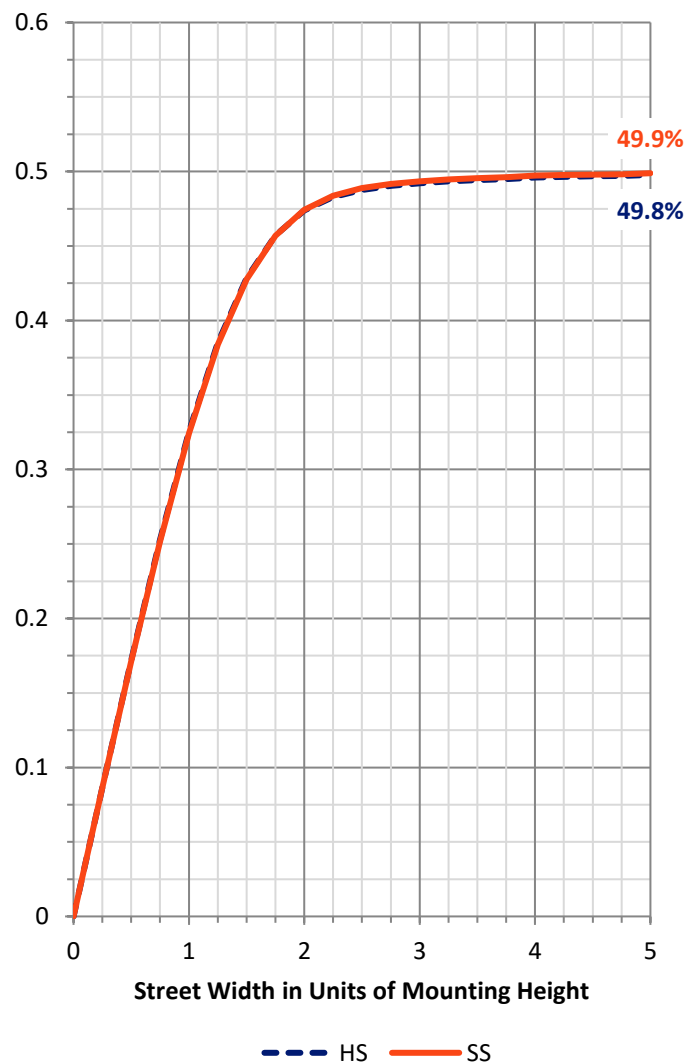
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19478.0	0.0	19478.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19478.0	0.0	19478.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38956.0	0.0	38956.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.8	1.0
10°-20°	1348.2	3.5
20°-30°	2605.1	6.7
30°-40°	4398.9	11.3
40°-50°	6976.2	17.9
50°-60°	9340.3	24.0
60°-70°	8889.0	22.8
70°-80°	4638.4	11.9
80°-90°	351.1	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°	38956.0	100.0
0°-180°	38956.0	100.0

Coefficient of Utilization



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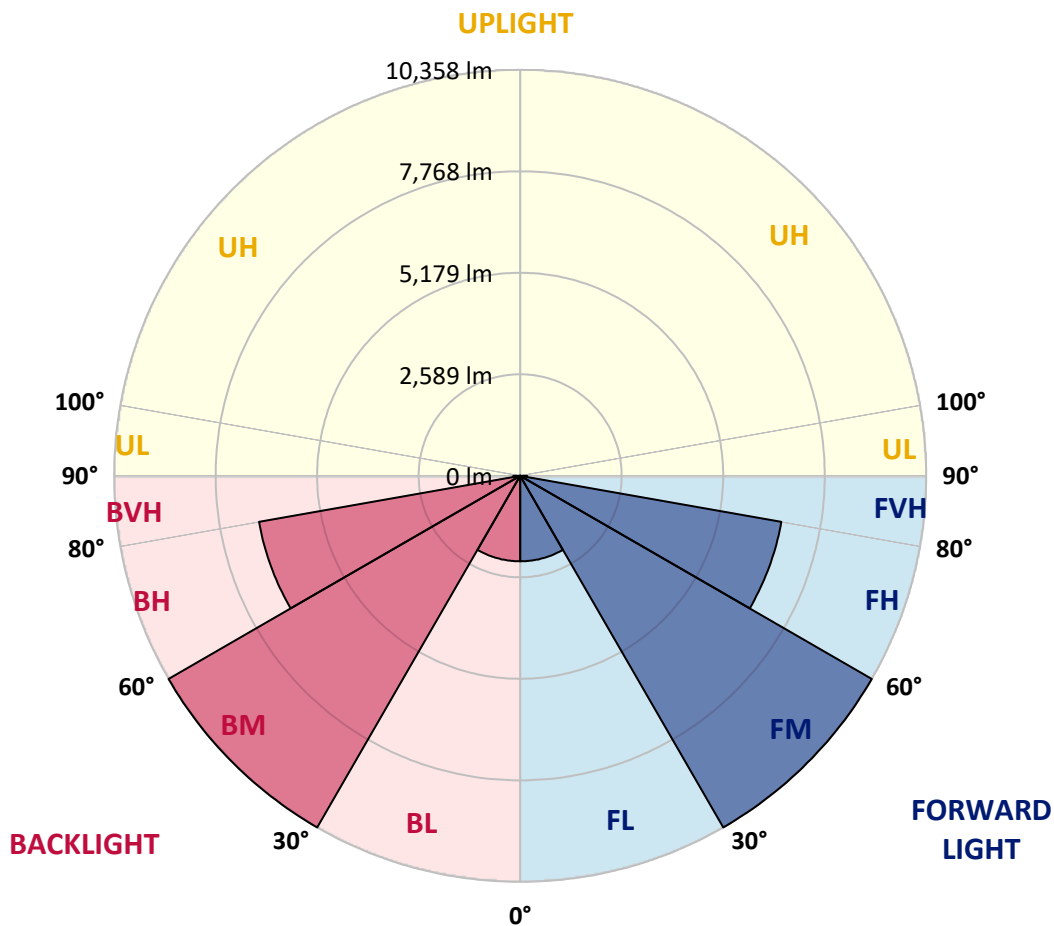
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2181.1	5.6			
FM	(30°-60°)	10357.7	26.6			
FH	(60°-80°)	6763.7	17.4			G3/7500
FVH	(80°-90°)	175.5	0.5			G2/225
BL	(0°-30°)	2181.1	5.6	B3/2500		
BM	(30°-60°)	10357.7	26.6	B5		
BH	(60°-80°)	6763.7	17.4	B5		G5
BVH	(80°-90°)	175.5	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°	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9	4172.9
2.5°	4172.9	4168.9	4172.9	4176.9	4174.9	4174.9	4184.8	4190.8	4202.7	4200.7	4198.7
5°	4145.0	4143.1	4159.0	4176.9	4190.8	4214.7	4244.5	4266.4	4294.2	4300.2	4300.2
7.5°	4131.1	4125.1	4153.0	4184.8	4228.6	4288.2	4345.9	4405.6	4453.3	4469.2	4473.2
10°	4141.1	4143.1	4180.8	4240.5	4310.1	4393.7	4475.2	4576.6	4644.3	4660.2	4676.1
12.5°	4186.8	4182.8	4246.5	4341.9	4437.4	4542.8	4638.3	4749.7	4823.3	4861.1	4877.0
15°	4270.3	4262.4	4351.9	4493.1	4632.3	4755.7	4833.2	4938.6	5024.2	5071.9	5089.8
17.5°	4369.8	4373.8	4491.1	4674.1	4857.1	4996.3	5069.9	5123.6	5189.3	5231.0	5250.9
20°	4544.8	4552.8	4684.1	4900.9	5109.7	5268.8	5328.5	5308.6	5326.5	5358.3	5382.2
22.5°	4779.5	4783.5	4930.7	5165.4	5384.2	5559.2	5599.0	5517.4	5467.7	5489.6	5505.5
25°	5052.0	5077.9	5225.1	5465.7	5690.5	5857.6	5875.5	5752.1	5628.8	5634.8	5644.7
27.5°	5384.2	5408.0	5557.2	5795.9	6024.6	6169.8	6167.8	6002.7	5821.8	5776.0	5789.9
30°	5744.2	5770.0	5923.2	6169.8	6382.6	6509.9	6482.1	6285.2	6026.6	5941.1	5951.0
32.5°	6171.8	6187.7	6342.9	6589.5	6786.4	6887.8	6830.2	6587.5	6265.3	6167.8	6191.7
35°	6688.9	6712.8	6828.2	7060.9	7233.9	7317.5	7220.0	6933.6	6571.6	6462.2	6478.1
37.5°	7279.7	7263.8	7395.0	7601.9	7745.1	7796.8	7663.5	7323.4	6921.7	6792.4	6816.2
40°	7896.3	7888.3	8031.5	8230.4	8308.0	8339.8	8142.9	7771.0	7325.4	7186.2	7231.9
42.5°	8455.2	8449.2	8642.1	8862.9	8956.4	8920.6	8672.0	8246.3	7792.8	7633.7	7673.5
45°	8902.7	8894.7	9131.4	9441.7	9624.7	9565.0	9230.9	8771.4	8266.2	8101.1	8138.9
47.5°	9246.8	9250.8	9505.3	9889.2	10209.4	10231.3	9801.7	9306.4	8787.3	8600.4	8656.1
50°	9495.4	9507.3	9779.8	10205.5	10643.0	10836.0	10384.5	9855.4	9326.3	9115.5	9179.2
52.5°	9557.1	9578.9	9907.1	10406.4	10921.5	11289.5	10977.2	10382.5	9837.5	9636.6	9688.3
55°	9228.9	9272.6	9688.3	10390.4	11092.6	11587.8	11498.3	10917.5	10352.7	10145.8	10203.5
57.5°	8475.1	8536.7	9022.0	9938.9	11054.8	11792.7	11902.1	11430.7	10867.8	10668.9	10714.6
60°	7418.9	7492.5	7957.9	8958.4	10521.7	11868.3	12186.5	11929.9	11341.2	11148.2	11190.0
62.5°	5825.7	5921.2	6478.1	7651.6	9396.0	11516.2	12429.2	12381.4	11766.8	11526.2	11554.0
65°	3737.3	3838.7	4425.5	5811.8	7894.3	10438.2	12504.7	12821.0	12216.3	11880.2	11922.0
67.5°	2253.5	2299.3	2589.7	3522.5	5770.0	8813.2	11864.3	13308.3	12741.4	12323.7	12355.6
70°	1442.0	1467.9	1640.9	2068.5	3261.9	6430.4	10277.1	13399.8	13377.9	12779.2	12775.2
72.5°	978.6	986.5	1032.3	1225.2	1845.8	3653.8	7580.0	12130.8	13775.7	13366.0	13302.3
75°	716.0	759.8	833.4	867.2	1048.2	1825.9	4343.9	8522.8	11609.7	11788.7	11355.1
77.5°	533.0	535.0	636.5	676.3	747.9	972.6	1837.8	4757.6	7208.1	7568.1	6750.6
80°	451.5	427.6	425.6	545.0	562.9	606.6	821.4	1642.9	2581.7	1565.3	1183.4
82.5°	375.9	350.1	316.2	425.6	383.9	371.9	356.0	668.3	821.4	403.8	344.1
85°	262.5	250.6	238.7	278.5	218.8	187.0	171.1	312.3	346.1	171.1	151.2
87.5°	113.4	117.3	119.3	123.3	91.5	65.6	65.6	87.5	87.5	67.6	49.7
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)