

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: P956300

Luminaire Tested: **GALN-SB9A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956300
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-SB9A-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42074 lumens
Efficiency: N/A
Efficacy: 164.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 255.5
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

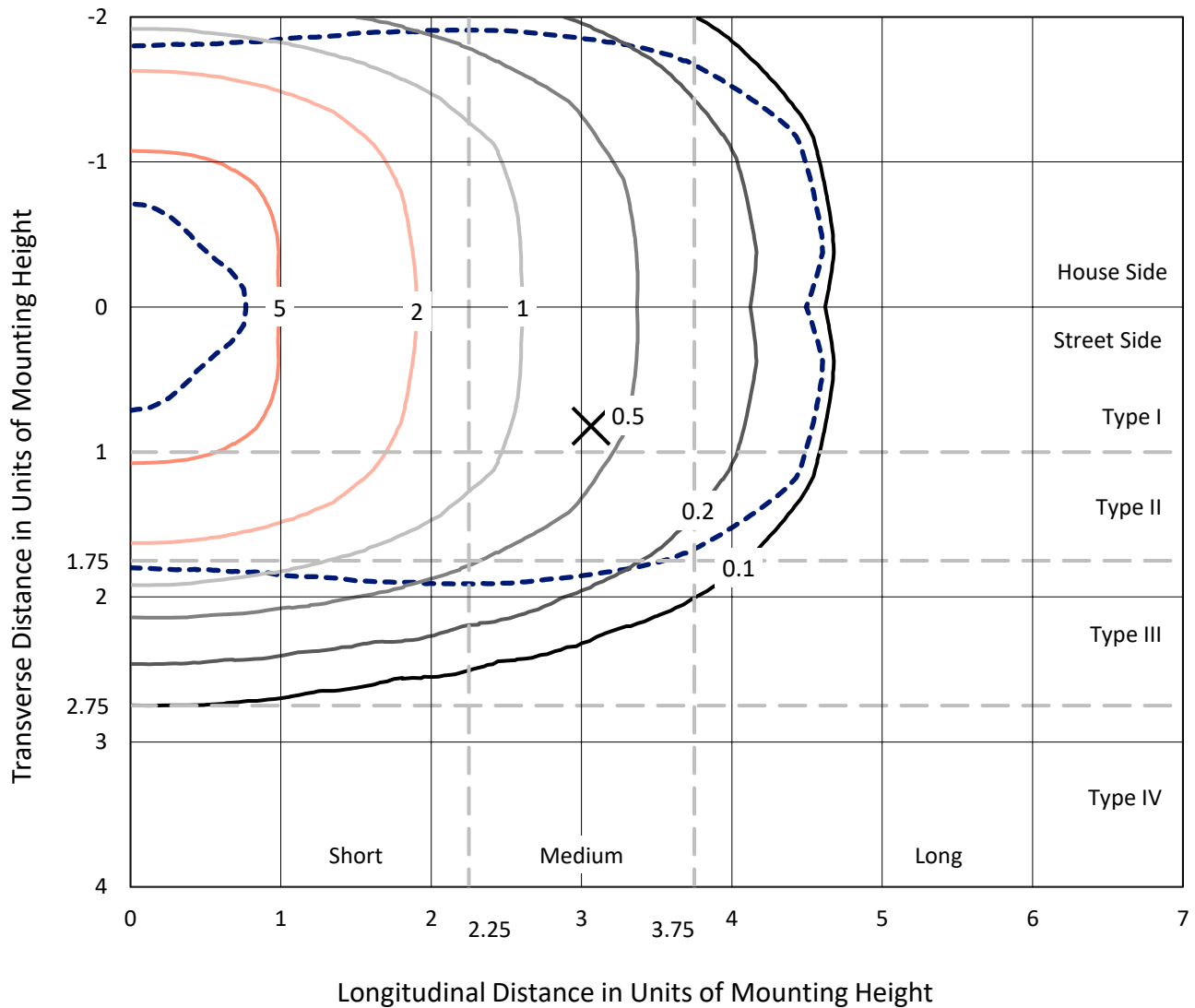


REPORT NUMBER: P956300

CATALOG NUMBER: GALN-SB9A-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

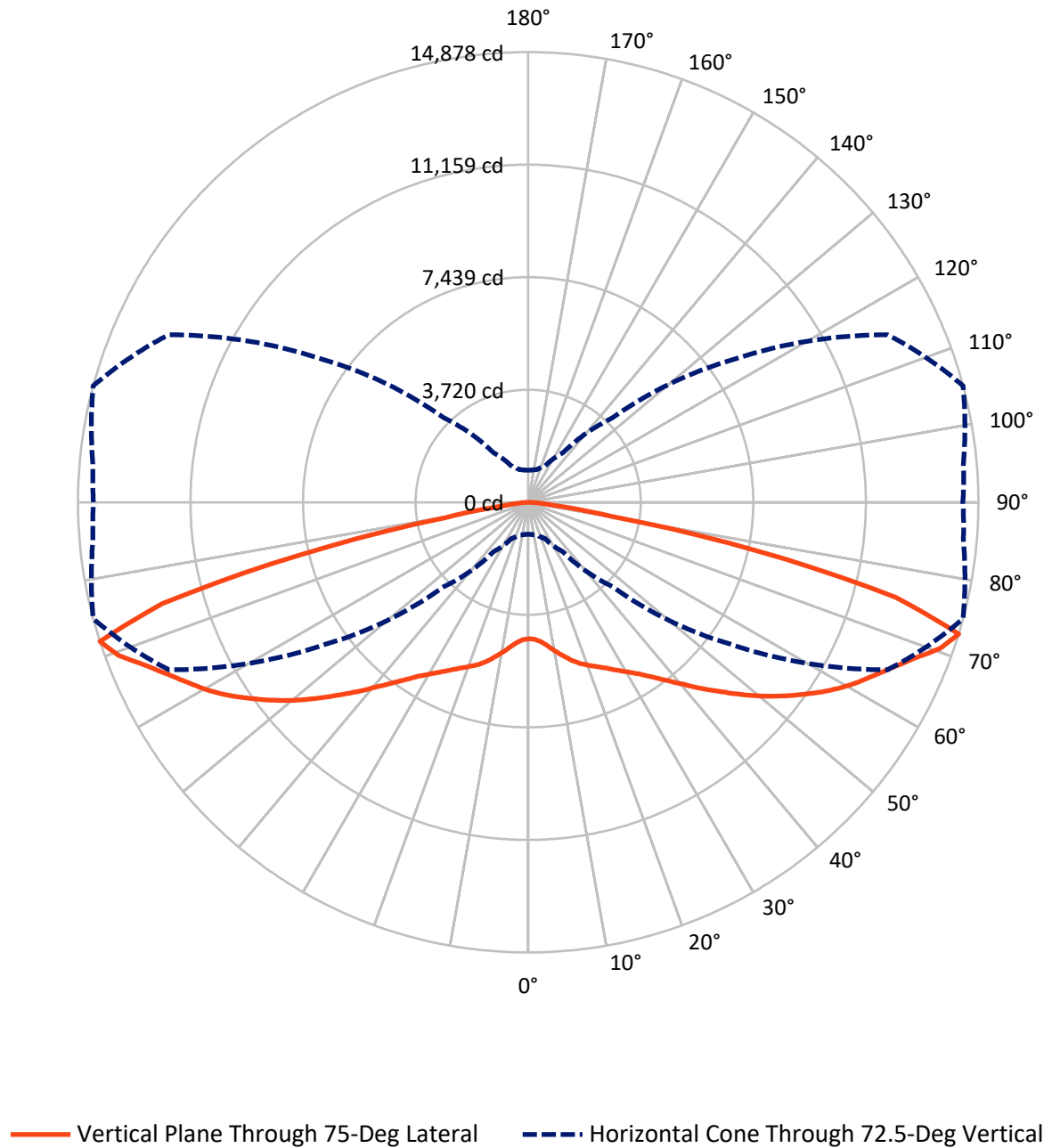


Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
Type III - Medium - N/A

REPORT NUMBER: P956300

CATALOG NUMBER: GALN-SB9A-730-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P956300

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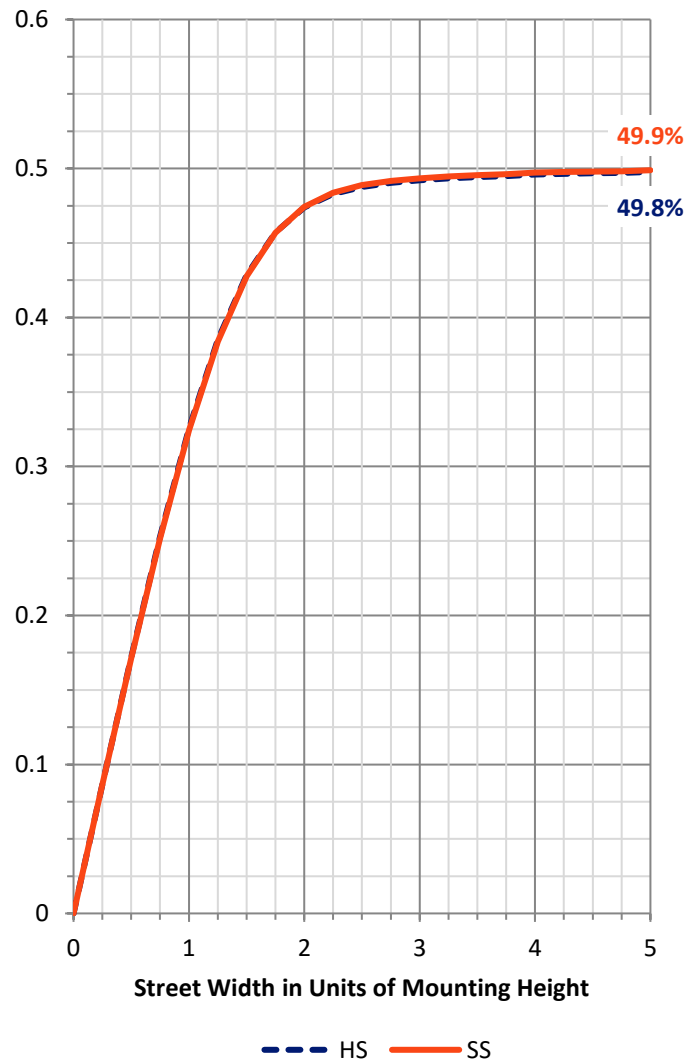
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21037.0	0.0	21037.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21037.0	0.0	21037.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42074.0	0.0	42074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.5	1.0
10°-20°	1456.1	3.5
20°-30°	2813.6	6.7
30°-40°	4751.0	11.3
40°-50°	7534.6	17.9
50°-60°	10087.9	24.0
60°-70°	9600.4	22.8
70°-80°	5009.7	11.9
80°-90°	379.2	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°	42074.0	100.0
0°-180°	42074.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956300

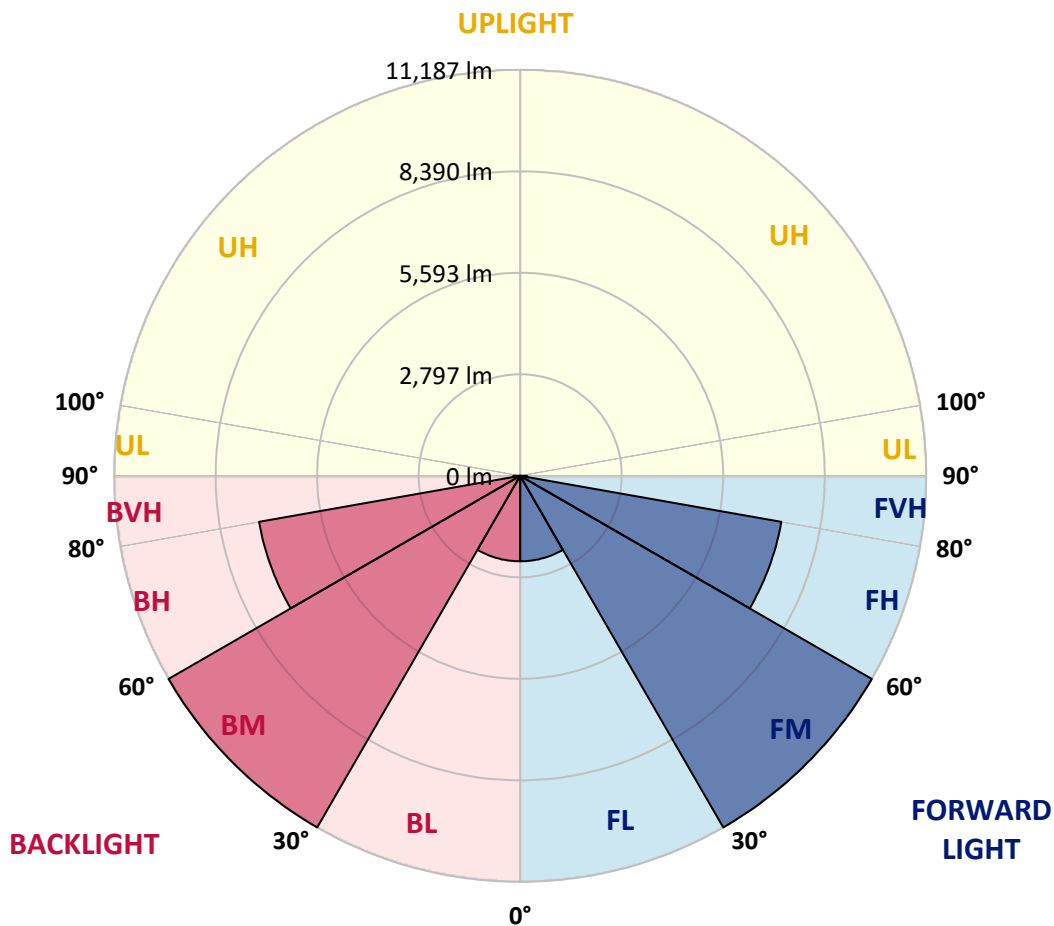
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2355.6	5.6			
FM	(30°-60°)	11186.7	26.6			
FH	(60°-80°)	7305.0	17.4			G3/7500
FVH	(80°-90°)	189.6	0.5			G2/225
BL	(0°-30°)	2355.6	5.6	B3/2500		
BM	(30°-60°)	11186.7	26.6	B5		
BH	(60°-80°)	7305.0	17.4	B5		G5
BVH	(80°-90°)	189.6	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



REPORT NUMBER: P956300

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9	4506.9
2.5°	4506.9	4502.6	4506.9	4511.2	4509.0	4509.0	4519.8	4526.2	4539.1	4537.0	4534.8
5°	4476.8	4474.7	4491.8	4511.2	4526.2	4552.0	4584.2	4607.8	4637.9	4644.4	4644.4
7.5°	4461.8	4455.3	4485.4	4519.8	4567.0	4631.5	4693.8	4758.2	4809.8	4827.0	4831.3
10°	4472.5	4474.7	4515.5	4579.9	4655.1	4745.3	4833.4	4943.0	5016.0	5033.2	5050.4
12.5°	4521.9	4517.6	4586.4	4689.5	4792.6	4906.4	5009.6	5129.9	5209.3	5250.1	5267.3
15°	4612.1	4603.5	4700.2	4852.7	5003.1	5136.3	5220.1	5333.9	5426.3	5477.9	5497.2
17.5°	4719.5	4723.8	4850.6	5048.2	5245.9	5396.2	5475.7	5533.7	5604.6	5649.7	5671.2
20°	4908.6	4917.2	5059.0	5293.1	5518.7	5690.5	5755.0	5733.5	5752.8	5787.2	5813.0
22.5°	5162.1	5166.4	5325.3	5578.8	5815.1	6004.2	6047.1	5959.0	5905.3	5929.0	5946.2
25°	5456.4	5484.3	5643.3	5903.2	6145.9	6326.4	6345.7	6212.5	6079.3	6085.8	6096.5
27.5°	5815.1	5840.9	6002.0	6259.8	6506.8	6663.6	6661.5	6483.2	6287.7	6238.3	6253.3
30°	6203.9	6231.9	6397.3	6663.6	6893.5	7031.0	7000.9	6788.2	6509.0	6416.6	6427.4
32.5°	6665.8	6683.0	6850.5	7116.9	7329.6	7439.1	7376.8	7114.8	6766.8	6661.5	6687.3
35°	7224.3	7250.1	7374.7	7626.0	7812.9	7903.1	7797.9	7488.6	7097.6	6979.4	6996.6
37.5°	7862.3	7845.1	7986.9	8210.3	8365.0	8420.9	8276.9	7909.6	7475.7	7336.0	7361.8
40°	8528.3	8519.7	8674.3	8889.2	8972.9	9007.3	8794.6	8392.9	7911.7	7761.4	7810.8
42.5°	9131.9	9125.5	9333.8	9572.3	9673.2	9634.6	9366.1	8906.3	8416.6	8244.7	8287.7
45°	9615.2	9606.7	9862.3	10197.4	10395.0	10330.6	9969.7	9473.5	8927.8	8749.5	8790.3
47.5°	9986.9	9991.2	10266.1	10680.7	11026.6	11050.2	10586.2	10051.3	9490.7	9288.7	9348.9
50°	10255.4	10268.3	10562.6	11022.3	11494.9	11703.3	11215.6	10644.2	10072.8	9845.1	9913.8
52.5°	10322.0	10345.6	10700.1	11239.3	11795.6	12193.1	11855.8	11213.5	10624.9	10407.9	10463.8
55°	9967.5	10014.8	10463.8	11222.1	11980.4	12515.3	12418.6	11791.4	11181.3	10957.9	11020.2
57.5°	9153.4	9220.0	9744.1	10734.4	11939.6	12736.6	12854.7	12345.6	11737.6	11522.8	11572.2
60°	8012.7	8092.2	8594.9	9675.4	11363.9	12818.2	13161.9	12884.8	12248.9	12040.5	12085.7
62.5°	6292.0	6395.1	6996.6	8264.0	10148.0	12438.0	13424.0	13372.4	12708.6	12448.7	12478.8
65°	4036.4	4146.0	4779.7	6277.0	8526.1	11273.6	13505.6	13847.2	13194.1	12831.1	12876.2
67.5°	2433.9	2483.3	2796.9	3804.4	6231.9	9518.6	12813.9	14373.5	13761.2	13310.1	13344.5
70°	1557.4	1585.4	1772.2	2234.1	3523.0	6945.1	11099.6	14472.3	14448.6	13802.0	13797.8
72.5°	1056.9	1065.5	1114.9	1323.3	1993.5	3946.2	8186.7	13101.7	14878.3	14435.8	14367.0
75°	773.3	820.6	900.1	936.6	1132.1	1972.0	4691.6	9204.9	12538.9	12732.3	12264.0
77.5°	575.7	577.9	687.4	730.4	807.7	1050.5	1984.9	5138.4	7785.0	8173.8	7290.9
80°	487.6	461.9	459.7	588.6	607.9	655.2	887.2	1774.4	2788.3	1690.6	1278.2
82.5°	406.0	378.1	341.6	459.7	414.6	401.7	384.5	721.8	887.2	436.1	371.6
85°	283.6	270.7	257.8	300.7	236.3	201.9	184.7	337.3	373.8	184.7	163.3
87.5°	122.4	126.7	128.9	133.2	98.8	70.9	70.9	94.5	94.5	73.0	53.7
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)