

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: P956653

Luminaire Tested: **GALN-SB9B-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956653
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-SB9B-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 53714 lumens
Efficiency: N/A
Efficacy: 163.0 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): 329.5
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

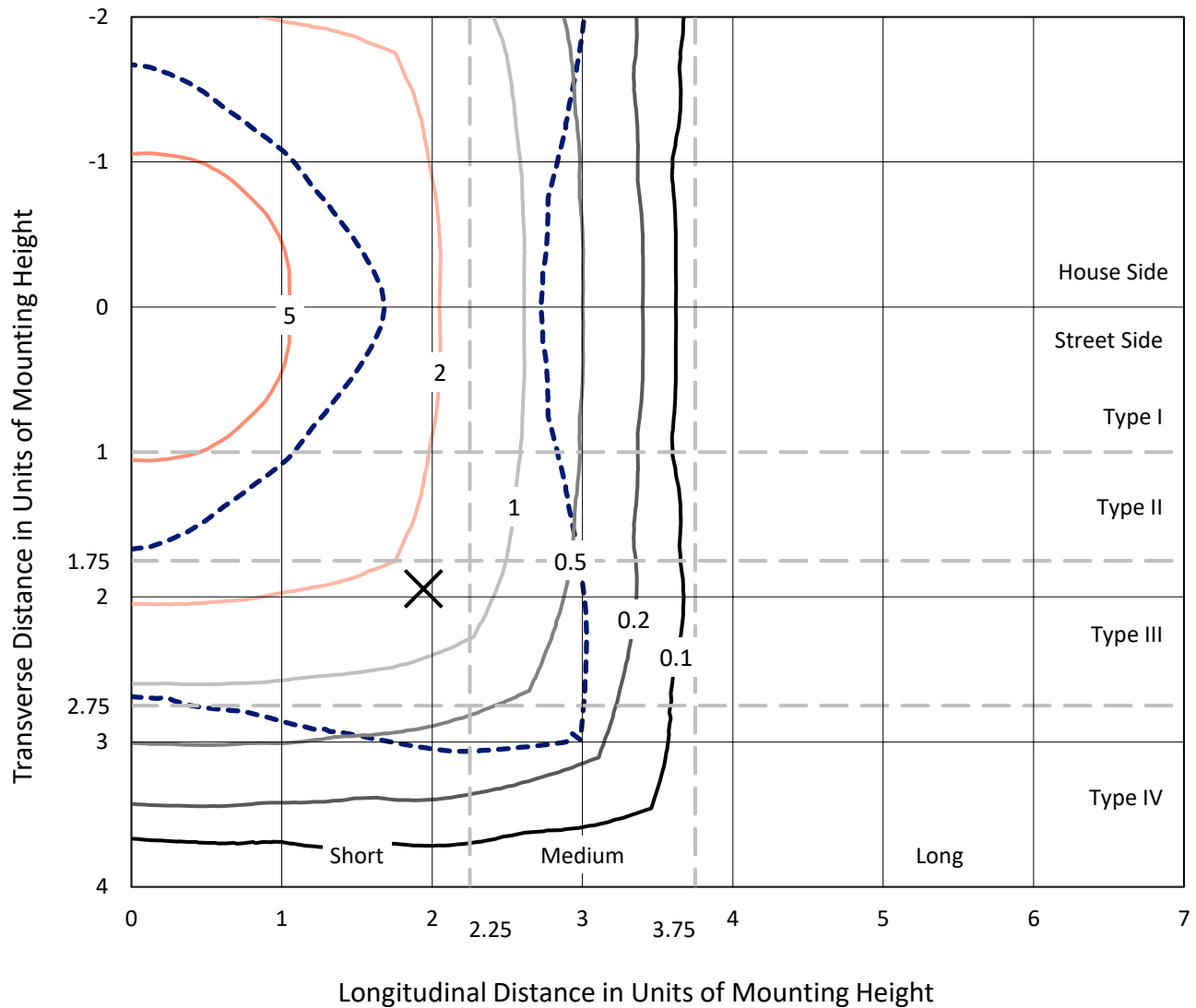


REPORT NUMBER: P956653

CATALOG NUMBER: GALN-SB9B-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

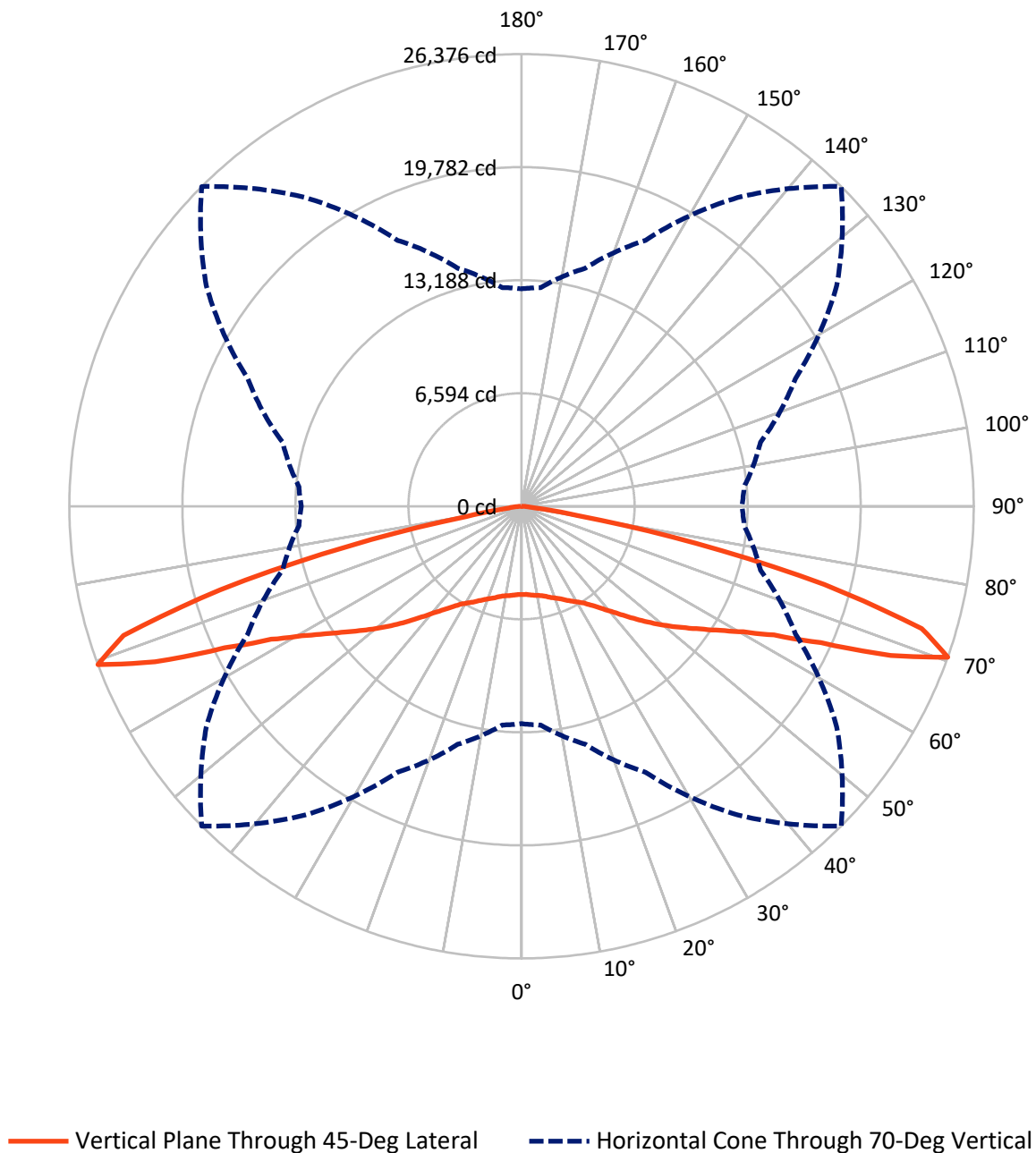


Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
Type V - Short - N/A

REPORT NUMBER: P956653

CATALOG NUMBER: GALN-SB9B-730-U-5MQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26857.0	0.0	26857.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26857.0	0.0	26857.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	53714.0	0.0	53714.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	499.9	0.9
10°-20°	1550.0	2.9
20°-30°	2770.0	5.2
30°-40°	4490.2	8.4
40°-50°	7313.8	13.6
50°-60°	11151.1	20.8
60°-70°	16589.3	30.9
70°-80°	9041.7	16.8
80°-90°	307.9	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°	53714.0	100.0
0°-180°	53714.0	100.0

Coefficient of Utilization



REPORT NUMBER: P956653

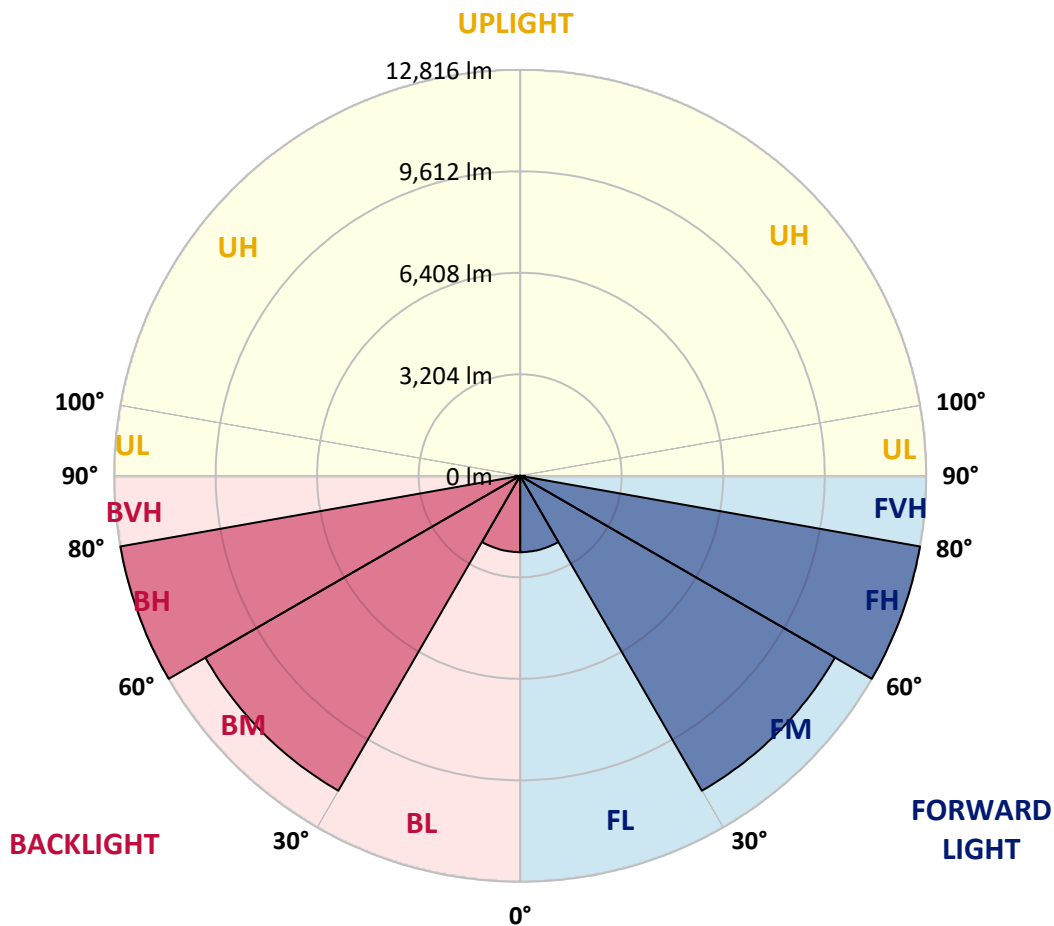
CATALOG NUMBER: GALN-SB9B-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2410.0	4.5			
FM	(30°-60°)	11477.6	21.4			
FH	(60°-80°)	12815.5	23.9			G5
FVH	(80°-90°)	153.9	0.3			G2/225
BL	(0°-30°)	2410.0	4.5	B3/2500		
BM	(30°-60°)	11477.6	21.4	B5		
BH	(60°-80°)	12815.5	23.9	B5		G5
BVH	(80°-90°)	153.9	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



REPORT NUMBER: P956653

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2	5145.2
2.5°	5169.5	5174.9	5164.1	5158.7	5153.3	5145.2	5147.9	5161.4	5172.2	5169.5	5172.2
5°	5212.7	5218.1	5210.0	5207.3	5196.5	5193.8	5193.8	5207.3	5215.4	5210.0	5212.7
7.5°	5261.2	5269.3	5255.8	5253.1	5247.7	5242.3	5239.6	5253.1	5261.2	5261.2	5261.2
10°	5307.0	5315.1	5304.3	5296.3	5290.9	5290.9	5285.5	5296.3	5309.7	5307.0	5307.0
12.5°	5355.6	5361.0	5350.2	5344.8	5344.8	5352.9	5344.8	5350.2	5361.0	5355.6	5352.9
15°	5414.9	5417.6	5414.9	5423.0	5436.5	5463.5	5439.2	5433.8	5439.2	5425.7	5425.7
17.5°	5495.8	5501.2	5512.0	5530.9	5549.7	5598.3	5555.1	5541.7	5541.7	5514.7	5514.7
20°	5595.6	5603.7	5619.9	5652.2	5676.5	5722.3	5679.2	5660.3	5652.2	5617.2	5617.2
22.5°	5700.8	5714.2	5738.5	5781.7	5824.8	5868.0	5824.8	5792.4	5768.2	5722.3	5719.6
25°	5822.1	5838.3	5876.0	5946.2	6005.5	6067.5	6016.3	5951.5	5903.0	5838.3	5835.6
27.5°	5994.7	6013.6	6059.4	6145.7	6221.2	6275.1	6226.6	6143.0	6075.6	5997.4	5994.7
30°	6237.4	6256.3	6310.2	6401.9	6453.1	6488.2	6455.8	6391.1	6310.2	6221.2	6221.2
32.5°	6550.2	6574.5	6633.8	6720.1	6730.9	6736.3	6725.5	6693.1	6633.8	6525.9	6528.6
35°	6946.6	6973.6	7041.0	7111.1	7100.3	7111.1	7094.9	7084.2	7041.0	6917.0	6917.0
37.5°	7432.0	7464.4	7534.5	7588.4	7561.5	7548.0	7550.7	7553.4	7529.1	7391.6	7391.6
40°	7995.6	8038.8	8090.0	8146.6	8100.8	8060.3	8087.3	8108.9	8087.3	7947.1	7947.1
42.5°	8575.4	8637.4	8691.4	8772.3	8734.5	8683.3	8721.0	8745.3	8699.5	8548.4	8559.2
45°	9219.9	9279.2	9349.4	9470.7	9443.7	9389.8	9443.7	9449.1	9370.9	9192.9	9211.8
47.5°	9886.0	9948.0	10053.2	10215.0	10204.2	10144.9	10215.0	10177.2	10077.5	9864.4	9850.9
50°	10517.0	10603.3	10765.1	10991.6	11013.2	10940.4	11034.8	10962.0	10794.8	10527.8	10522.4
52.5°	11110.3	11202.0	11458.1	11765.6	11843.8	11749.4	11876.1	11749.4	11498.6	11156.1	11123.8
55°	11733.2	11835.7	12140.4	12542.2	12698.6	12628.5	12747.2	12555.7	12199.7	11784.4	11727.8
57.5°	12466.7	12528.7	12892.8	13370.1	13634.4	13650.5	13704.5	13380.9	12949.4	12477.5	12412.8
60°	13262.2	13348.5	13744.9	14316.6	14734.6	14869.4	14812.8	14332.8	13831.2	13289.2	13202.9
62.5°	14281.6	14375.9	14850.6	15535.5	16196.2	16530.6	16309.5	15613.7	14993.5	14343.6	14230.3
65°	15125.6	15230.8	16088.3	17309.9	18512.6	19184.1	18628.6	17347.7	16231.3	15314.4	15163.4
67.5°	14513.5	14642.9	15988.6	18232.2	21222.8	23226.4	21325.3	18507.2	16320.2	15077.1	14891.0
70°	12685.1	12806.5	14375.9	17118.5	21985.9	26376.1	22444.4	17622.7	14427.2	13035.7	12849.6
72.5°	8421.7	8812.7	10401.1	13691.0	19631.8	24407.6	19825.9	13413.2	9648.7	8402.8	8130.5
75°	2793.7	3106.6	4190.6	7097.6	13149.0	18253.8	12517.9	6280.5	3319.6	2389.2	2259.8
77.5°	703.8	811.7	1119.1	2030.6	5245.0	10393.0	4721.9	1658.5	903.4	631.0	563.6
80°	342.5	377.5	539.3	676.9	1313.3	3303.4	1232.4	636.4	426.1	329.0	302.0
82.5°	188.8	191.5	304.7	382.9	488.1	854.8	507.0	372.1	245.4	199.6	199.6
85°	116.0	113.3	161.8	204.9	204.9	304.7	242.7	204.9	140.2	124.0	129.4
87.5°	45.8	45.8	59.3	64.7	56.6	78.2	62.0	67.4	53.9	51.2	53.9
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)