

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: P957010

Luminaire Tested: **GALN-SB9C-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957010
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71437 lumens
Efficiency: N/A
Efficacy: 158.8 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

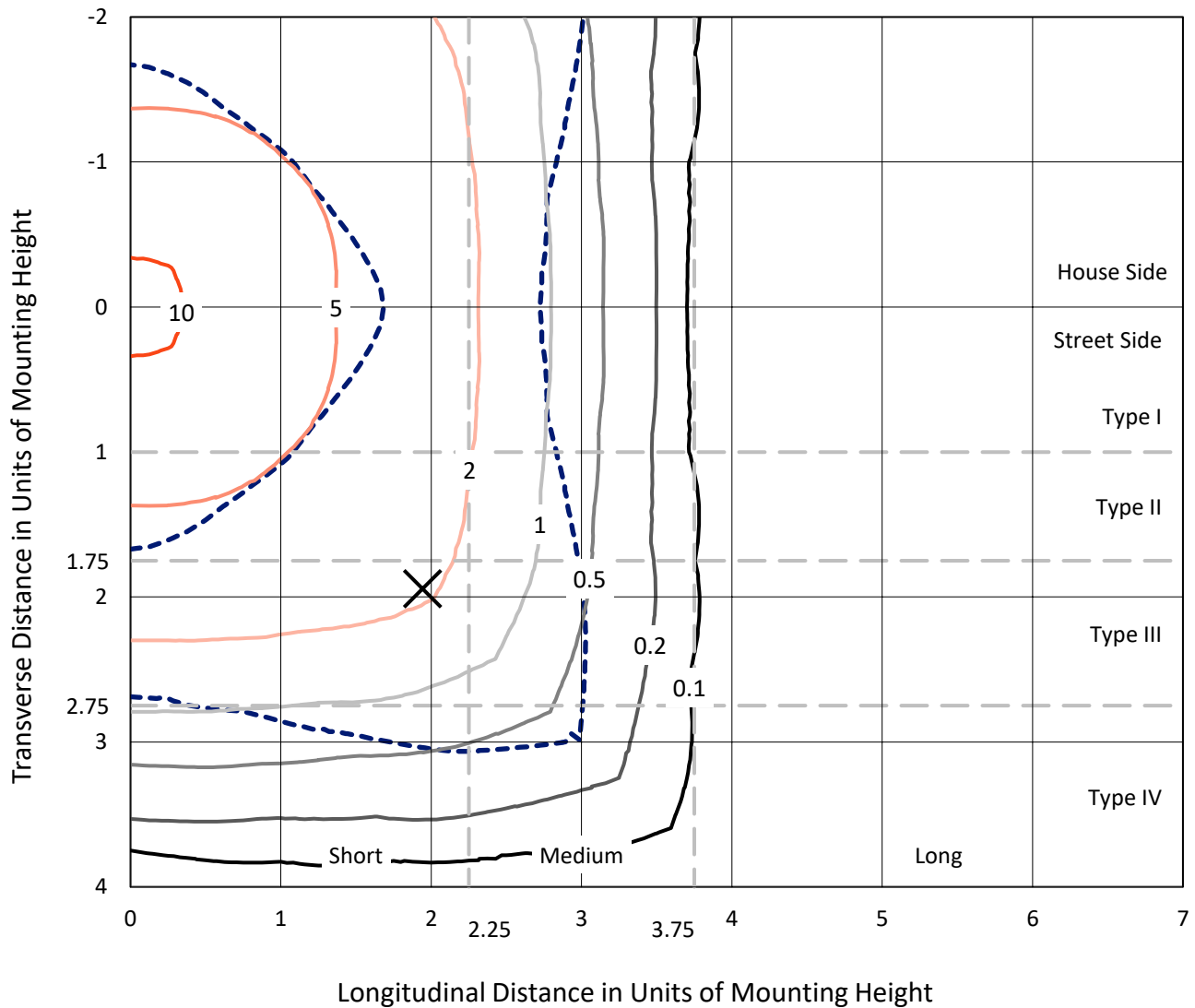


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

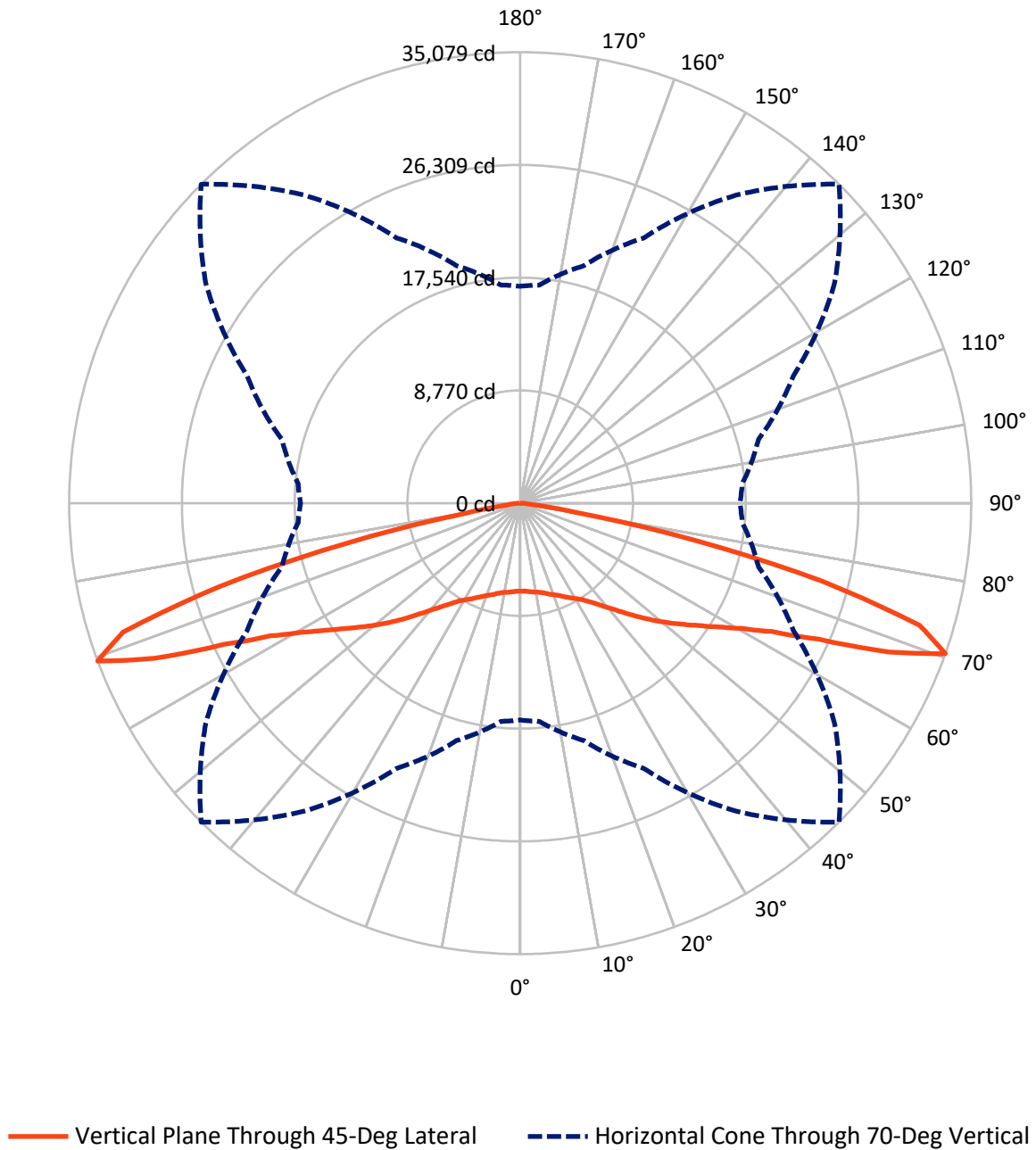


Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35718.5	0.0	35718.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35718.5	0.0	35718.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	71437.0	0.0	71437.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	664.8	0.9
10°-20°	2061.4	2.9
20°-30°	3684.0	5.2
30°-40°	5971.8	8.4
40°-50°	9727.0	13.6
50°-60°	14830.4	20.8
60°-70°	22063.0	30.9
70°-80°	12025.0	16.8
80°-90°	409.5	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°	71437.0	100.0
0°-180°	71437.0	100.0

Coefficient of Utilization



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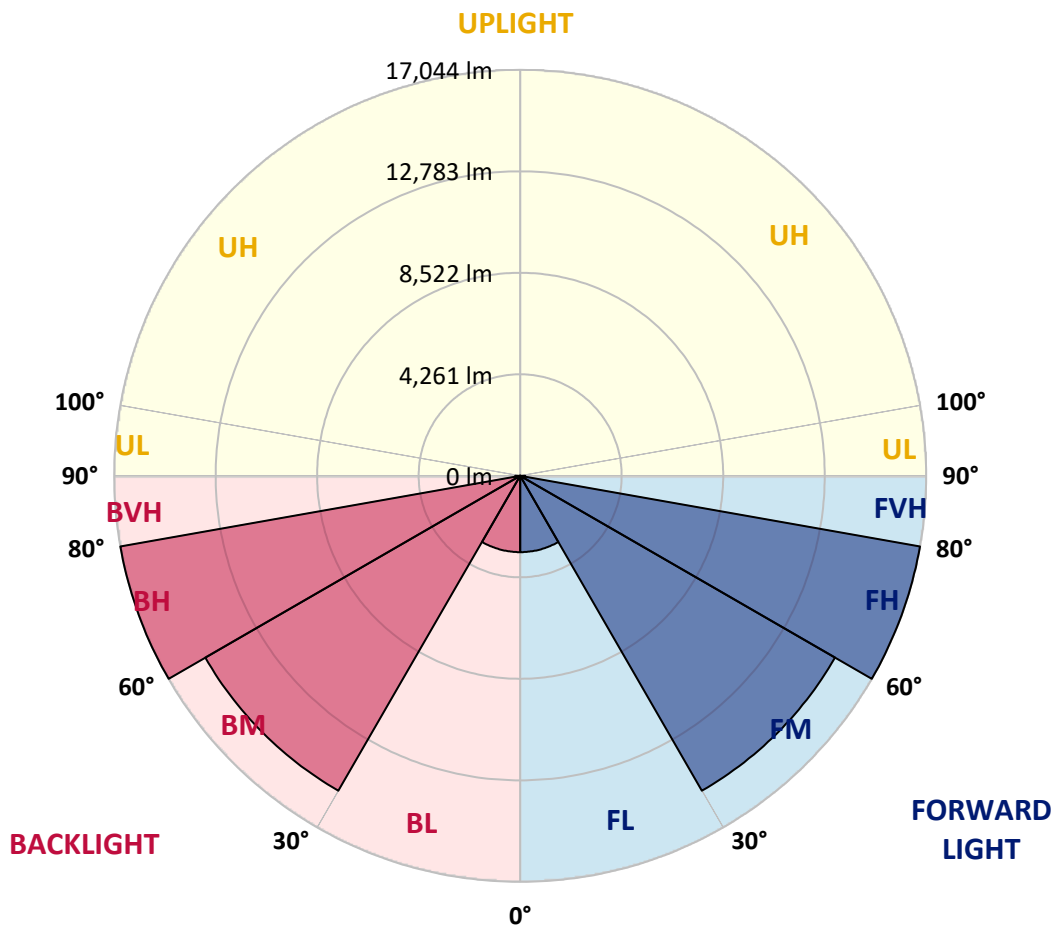
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3205.1	4.5			
FM	(30°-60°)	15264.6	21.4			
FH	(60°-80°)	17044.0	23.9			G5
FVH	(80°-90°)	204.7	0.3			G2/225
BL	(0°-30°)	3205.1	4.5	B4/5000		
BM	(30°-60°)	15264.6	21.4	B5		
BH	(60°-80°)	17044.0	23.9	B5		G5
BVH	(80°-90°)	204.7	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°	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9	6842.9
2.5°	6875.2	6882.4	6868.0	6860.9	6853.7	6842.9	6846.5	6864.4	6878.8	6875.2	6878.8
5°	6932.6	6939.8	6929.0	6925.4	6911.1	6907.5	6907.5	6925.4	6936.2	6929.0	6932.6
7.5°	6997.1	7007.9	6990.0	6986.4	6979.2	6972.0	6968.5	6986.4	6997.1	6997.1	6997.1
10°	7058.1	7068.9	7054.5	7043.8	7036.6	7036.6	7029.4	7043.8	7061.7	7058.1	7058.1
12.5°	7122.7	7129.8	7115.5	7108.3	7108.3	7119.1	7108.3	7115.5	7129.8	7122.7	7119.1
15°	7201.6	7205.2	7201.6	7212.3	7230.3	7266.1	7233.8	7226.7	7233.8	7215.9	7215.9
17.5°	7309.2	7316.3	7330.7	7355.8	7380.9	7445.4	7388.1	7370.1	7370.1	7334.3	7334.3
20°	7441.9	7452.6	7474.1	7517.2	7549.5	7610.4	7553.0	7527.9	7517.2	7470.6	7470.6
22.5°	7581.7	7599.7	7631.9	7689.3	7746.7	7804.1	7746.7	7703.7	7671.4	7610.4	7606.8
25°	7743.1	7764.6	7814.9	7908.1	7987.0	8069.5	8001.3	7915.3	7850.7	7764.6	7761.1
27.5°	7972.7	7997.8	8058.7	8173.5	8273.9	8345.6	8281.1	8169.9	8080.2	7976.2	7972.7
30°	8295.4	8320.5	8392.3	8514.2	8582.3	8629.0	8585.9	8499.9	8392.3	8273.9	8273.9
32.5°	8711.5	8743.7	8822.6	8937.4	8951.8	8958.9	8944.6	8901.5	8822.6	8679.2	8682.8
35°	9238.7	9274.5	9364.2	9457.4	9443.1	9457.4	9435.9	9421.6	9364.2	9199.2	9199.2
37.5°	9884.2	9927.3	10020.5	10092.2	10056.4	10038.4	10042.0	10045.6	10013.3	9830.4	9830.4
40°	10633.8	10691.2	10759.3	10834.6	10773.7	10719.9	10755.7	10784.4	10755.7		