

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: P957011

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957011
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 71480 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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

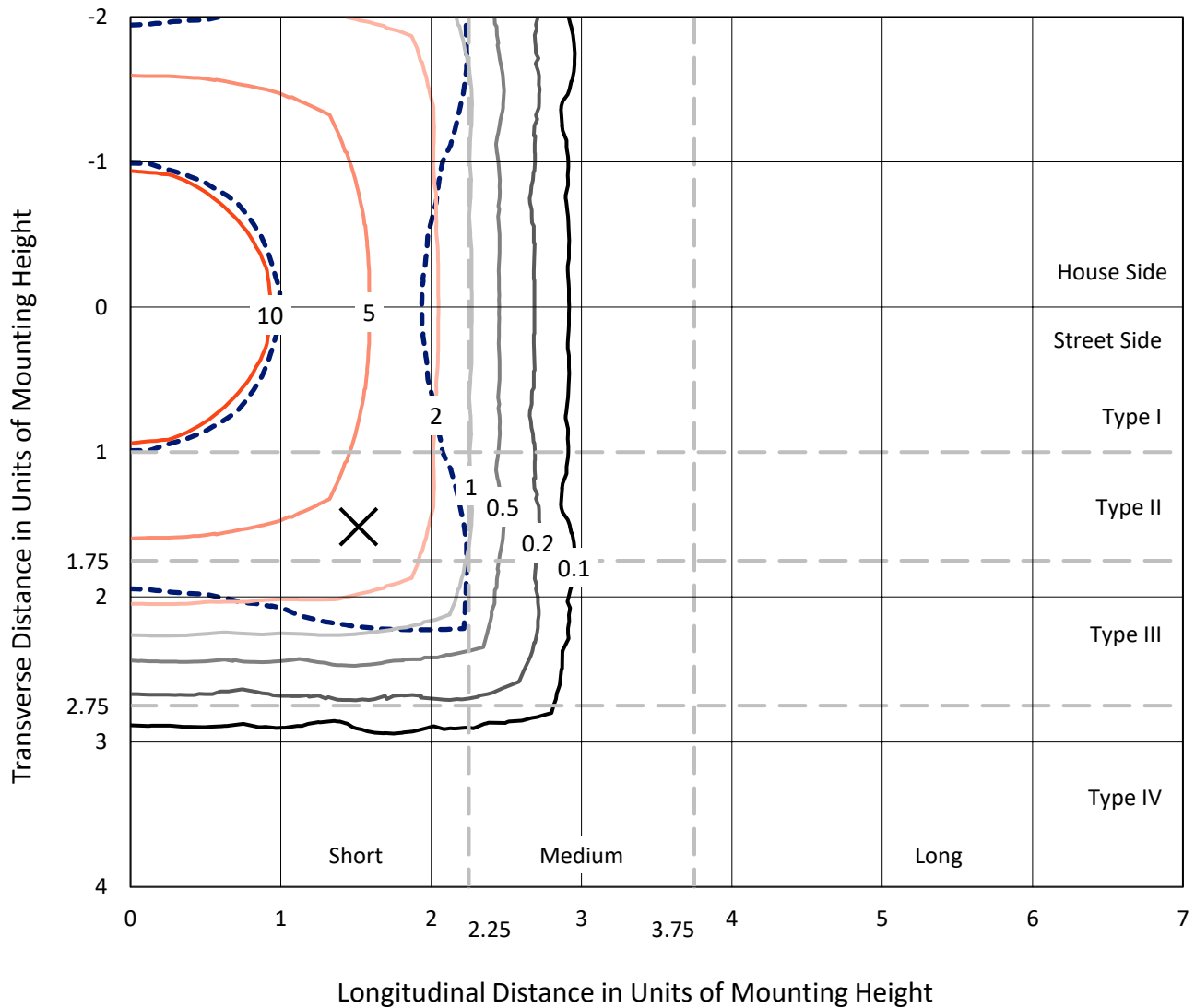


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

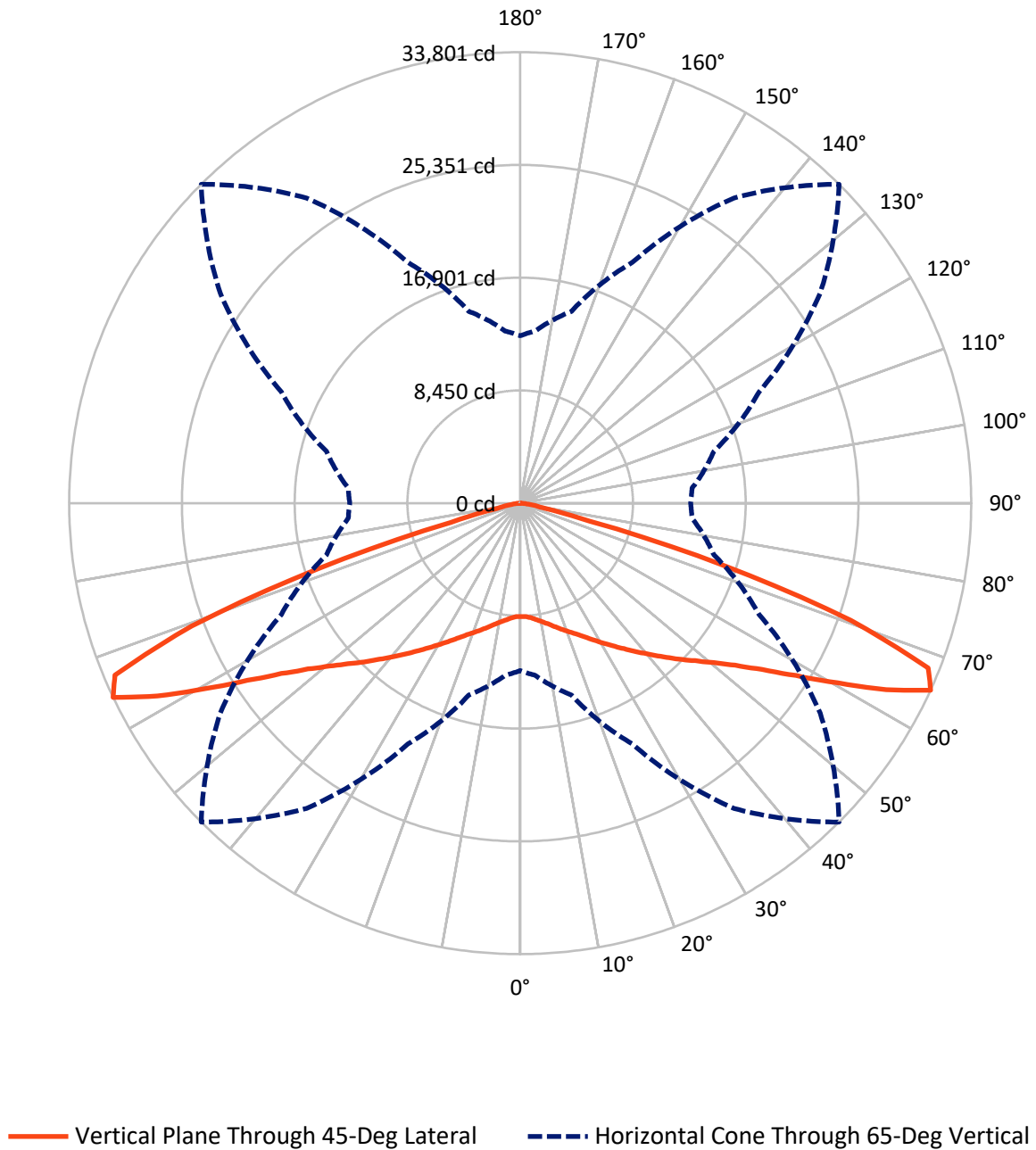


Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	35740.0	0.0	35740.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	35740.0	0.0	35740.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	71480.0	0.0	71480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.5	1.2
10°-20°	2739.5	3.8
20°-30°	5172.5	7.2
30°-40°	8469.7	11.8
40°-50°	13132.4	18.4
50°-60°	19399.3	27.1
60°-70°	18466.3	25.8
70°-80°	2979.8	4.2
80°-90°	280.9	0.4
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°	71480.0	100.0
0°-180°	71480.0	100.0

Coefficient of Utilization



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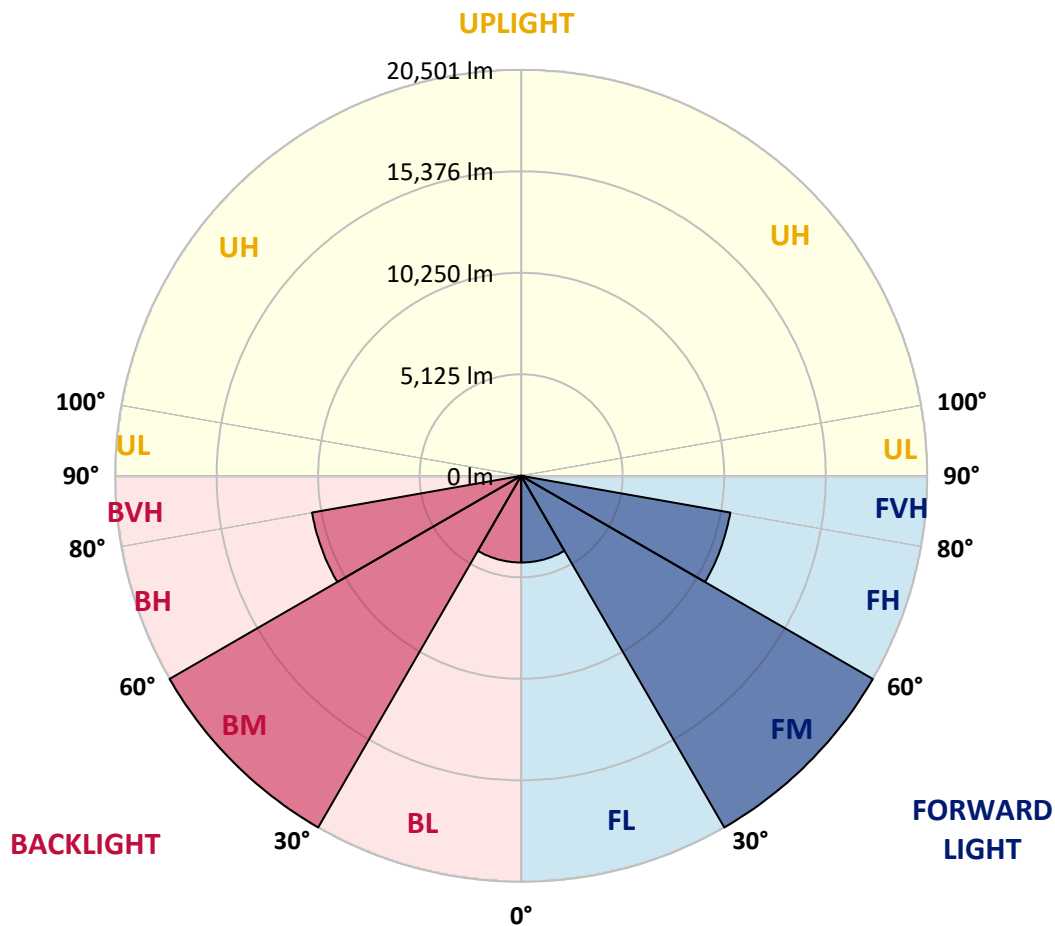
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4375.8	6.1			
FM	(30°-60°)	20500.7	28.7			
FH	(60°-80°)	10723.1	15.0			G4/12000
FVH	(80°-90°)	140.4	0.2			G2/225
BL	(0°-30°)	4375.8	6.1	B4/5000		
BM	(30°-60°)	20500.7	28.7	B5		
BH	(60°-80°)	10723.1	15.0	B5		G4/12000
BVH	(80°-90°)	140.4	0.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8	8506.8
2.5°	8564.2	8535.5	8557.0	8539.1	8524.8	8510.4	8517.6	8542.7	8553.5	8557.0	8557.0
5°	8679.0	8653.9	8664.6	8664.6	8639.5	8632.4	8635.9	8653.9	8675.4	8675.4	8675.4
7.5°	8865.5	8840.4	8865.5	8851.1	8829.6	8822.4	8818.8	8833.2	8865.5	8865.5	8854.7
10°	9091.4	9062.7	9077.1	9069.9	9044.8	9034.0	9030.4	9052.0	9080.7	9077.1	9069.9
12.5°	9338.9	9306.6	9324.5	9303.0	9295.8	9285.1	9285.1	9281.5	9299.4	9285.1	9292.2
15°	9615.0	9593.5	9600.7	9586.3	9597.1	9589.9	9561.2	9546.9	9554.1	9532.5	9536.1
17.5°	9941.4	9891.2	9916.3	9909.1	9909.1	9923.4	9876.8	9858.9	9873.2	9851.7	9869.6
20°	10317.9	10267.7	10278.5	10264.1	10246.2	10260.6	10203.2	10217.5	10228.3	10213.9	10246.2
22.5°	10730.4	10665.8	10662.2	10669.4	10630.0	10633.5	10594.1	10630.0	10651.5	10612.0	10651.5
25°	11153.6	11085.4	11132.0	11114.1	11063.9	11074.7	11046.0	11081.8	11099.8	11049.6	11106.9
27.5°	11601.9	11555.2	11598.3	11609.0	11548.1	11591.1	11548.1	11580.3	11598.3	11523.0	11580.3
30°	12125.5	12078.8	12118.3	12147.0	12075.3	12143.4	12107.5	12129.1	12132.6	12043.0	12096.8
32.5°	12695.7	12624.0	12724.4	12738.7	12659.8	12742.3	12695.7	12724.4	12742.3	12620.4	12702.9
35°	13391.5	13301.8	13416.6	13398.6	13330.5	13398.6	13355.6	13398.6	13441.7	13294.6	13384.3
37.5°	14141.0	14047.8	14169.7	14137.4	14072.9	14119.5	14094.4	14123.1	14191.2	14033.4	14130.2
40°	14965.9	14851.1	15016.1	14958.7	14897.7	14890.5	14904.9	14922.8	15012.5	14836.8	14894.1
42.5°	15848.1	15726.2	15973.6	15884.0	15797.9	15740.5	15787.1	15823.0	15909.1	15711.8	15815.8
45°	16855.9	16716.0	17038.8	16931.2	16794.9	16676.6	16751.9	16805.7	16931.2	16694.5	16816.4
47.5°	17967.6	17809.8	18154.1	18121.9	17899.5	17641.3	17813.4	17967.6	18060.9	17774.0	17870.8
50°	19054.3	18932.4	19384.3	19423.7	19151.1	18788.9	19029.2	19262.3	19287.4	18910.9	18957.5
52.5°	20072.8	19950.9	20607.2	20854.7	20610.8	20180.4	20435.1	20671.8	20481.7	19993.9	20008.3
55°	20886.9	20786.5	21622.1	22260.5	22343.0	21987.9	22138.6	22131.4	21507.4	20757.8	20782.9
57.5°	21084.2	21069.8	22124.2	23476.3	24337.0	24380.0	24082.4	23322.1	21977.2	20969.4	20904.9
60°	20187.6	20277.3	21726.1	24111.1	26406.3	27360.3	26072.8	23903.1	21442.8	20044.1	19879.2
62.5°	17505.0	17741.7	19488.3	23336.4	28077.6	30788.9	27668.7	23020.8	19248.0	17422.5	17314.9
65°	12545.1	12957.5	14887.0	19915.0	27926.9	33801.4	27439.2	19753.6	15030.4	12925.2	12771.0
67.5°	5691.5	6111.1	7750.1	13635.3	24276.0	32983.7	24218.7	13778.8	8137.4	6132.7	6043.0
70°	2062.2	2133.9	2661.1	5458.4	15514.6	26280.8	16178.0	5497.9	2829.6	2273.7	2245.1
72.5°	1248.1	1258.8	1370.0	1954.6	5390.3	15955.7	5619.8	2019.1	1398.7	1240.9	1262.4
75°	792.6	785.4	975.5	1194.3	1911.5	5383.1	2004.8	1194.3	971.9	885.8	893.0
77.5°	570.2	588.2	699.3	893.0	1205.0	1825.5	1183.5	853.6	699.3	573.8	584.6
80°	426.8	437.5	509.3	695.8	846.4	1136.9	753.1	631.2	527.2	358.6	369.4
82.5°	308.4	308.4	333.5	505.7	516.4	613.3	408.8	444.7	347.9	254.6	254.6
85°	182.9	179.3	208.0	301.3	269.0	225.9	186.5	272.6	218.8	157.8	154.2
87.5°	64.6	68.1	64.6	86.1	71.7	61.0	57.4	75.3	61.0	53.8	50.2
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)