

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: P956969

Luminaire Tested: **GALN-SB9C-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956969
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-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59049 lumens
Efficiency: N/A
Efficacy: 131.3 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

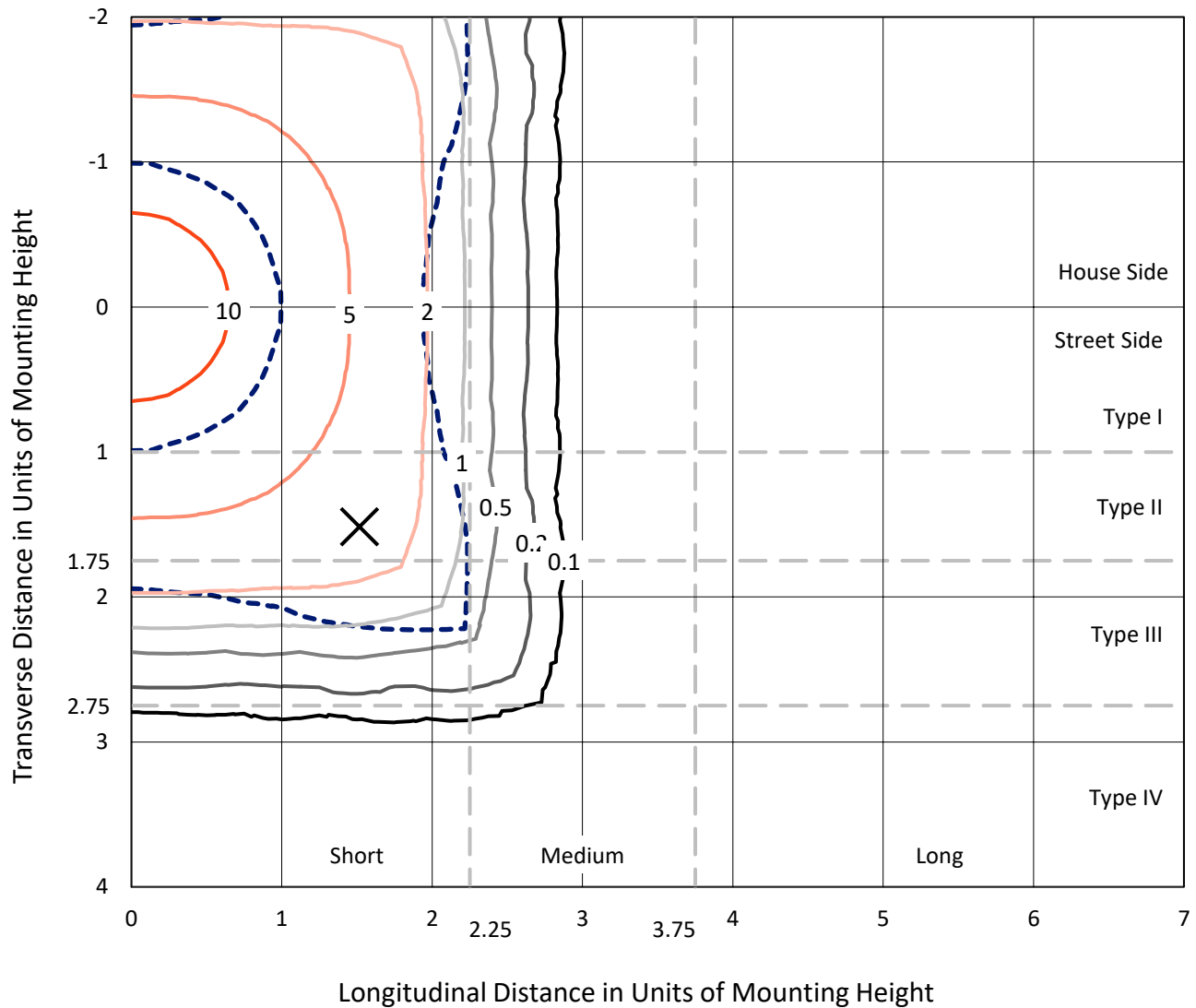


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

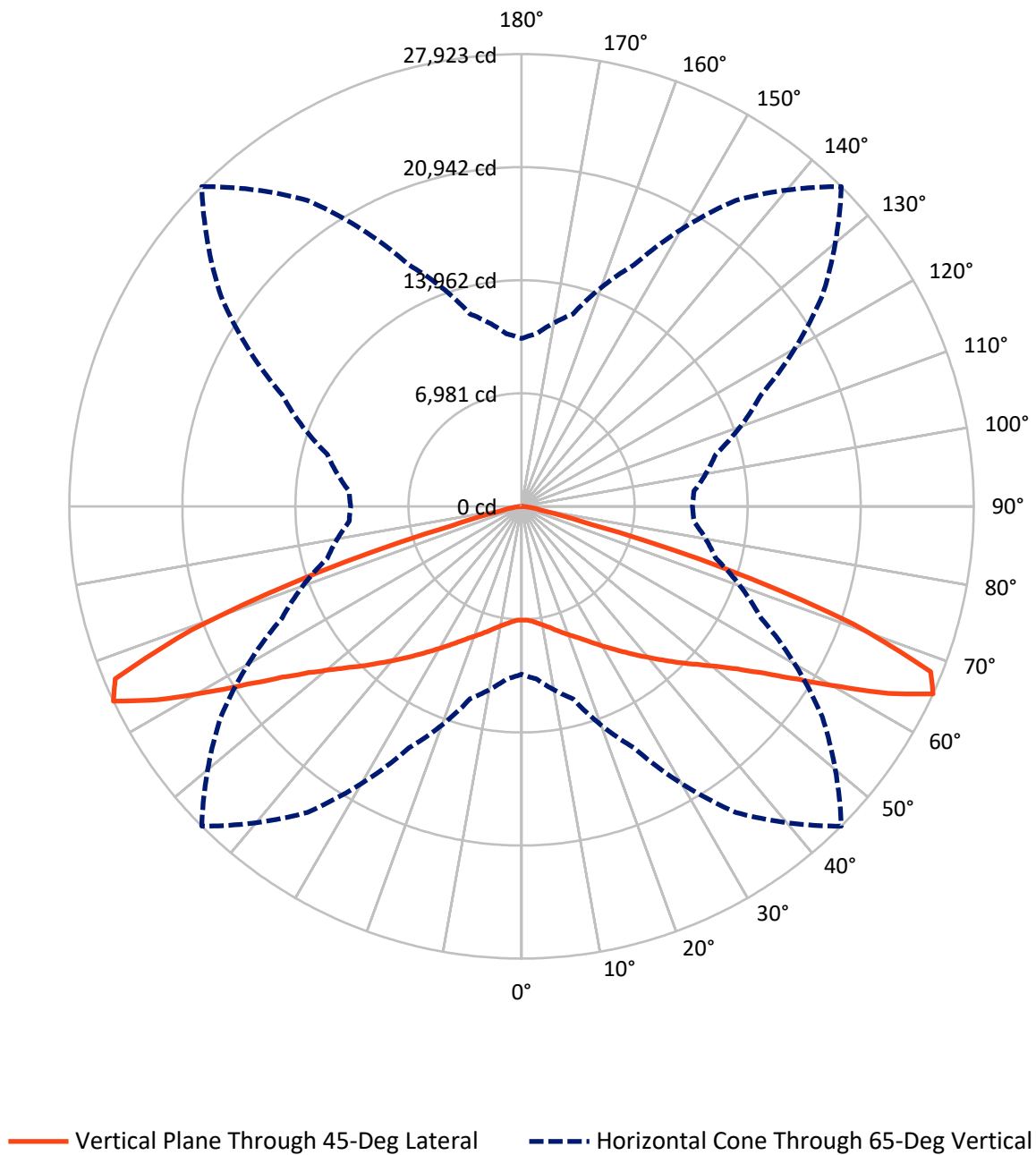


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29524.5	0.0	29524.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29524.5	0.0	29524.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59049.0	0.0	59049.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.5	1.2
10°-20°	2263.1	3.8
20°-30°	4272.9	7.2
30°-40°	6996.8	11.8
40°-50°	10848.6	18.4
50°-60°	16025.6	27.1
60°-70°	15254.9	25.8
70°-80°	2461.6	4.2
80°-90°	232.0	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°	59049.0	100.0
0°-180°	59049.0	100.0

Coefficient of Utilization



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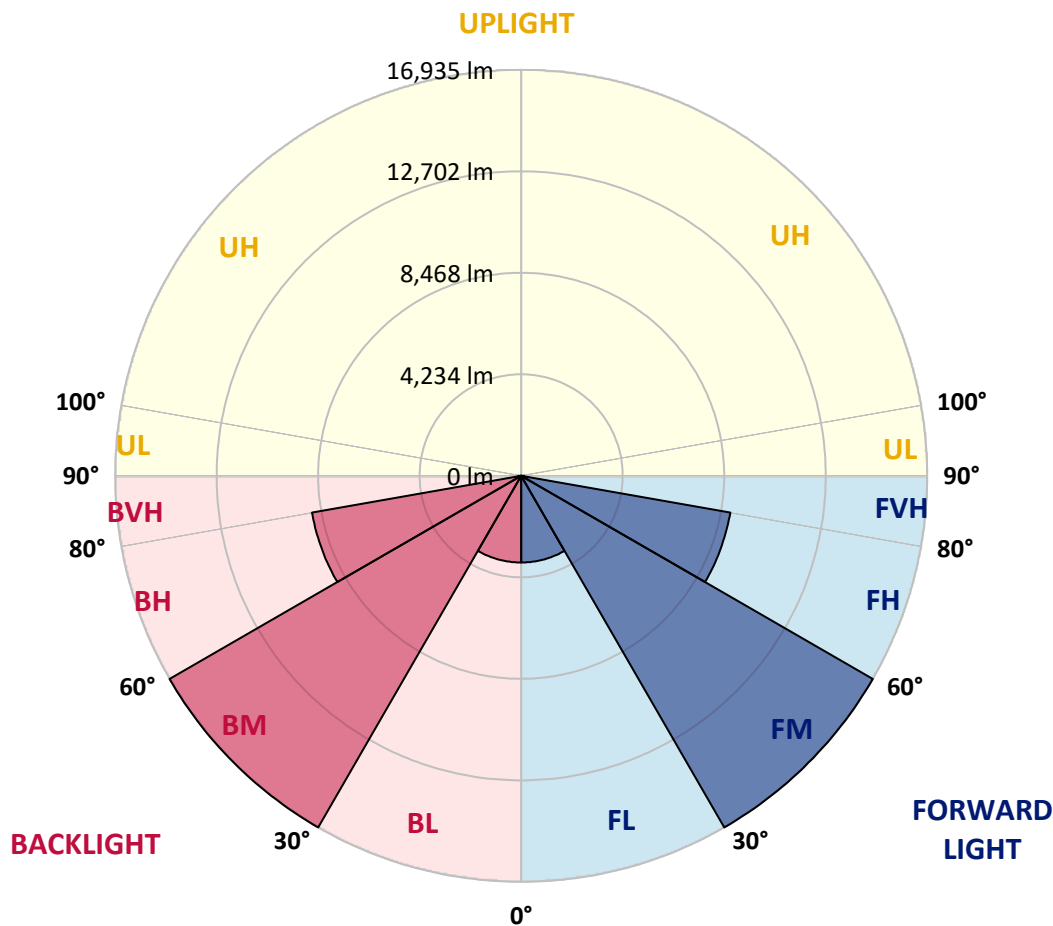
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3614.8	6.1			
FM	(30°-60°)	16935.5	28.7			
FH	(60°-80°)	8858.2	15.0			G4/12000
FVH	(80°-90°)	116.0	0.2			G2/225
BL	(0°-30°)	3614.8	6.1	B4/5000		
BM	(30°-60°)	16935.5	28.7	B5		
BH	(60°-80°)	8858.2	15.0	B5		G4/12000
BVH	(80°-90°)	116.0	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°	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4	7027.4
2.5°	7074.8	7051.1	7068.9	7054.1	7042.2	7030.4	7036.3	7057.0	7065.9	7068.9	7068.9
5°	7169.6	7148.9	7157.8	7157.8	7137.0	7131.1	7134.1	7148.9	7166.7	7166.7	7166.7
7.5°	7323.7	7302.9	7323.7	7311.8	7294.1	7288.1	7285.2	7297.0	7323.7	7323.7	7314.8
10°	7510.3	7486.6	7498.5	7492.6	7471.8	7462.9	7460.0	7477.7	7501.4	7498.5	7492.6
12.5°	7714.8	7688.1	7702.9	7685.1	7679.2	7670.3	7670.3	7667.4	7682.2	7670.3	7676.2
15°	7942.9	7925.1	7931.0	7919.2	7928.1	7922.1	7898.4	7886.6	7892.5	7874.7	7877.7
17.5°	8212.5	8171.0	8191.7	8185.8	8185.8	8197.7	8159.2	8144.3	8156.2	8138.4	8153.2
20°	8523.6	8482.1	8491.0	8479.1	8464.3	8476.2	8428.8	8440.6	8449.5	8437.6	8464.3
22.5°	8864.3	8810.9	8808.0	8813.9	8781.3	8784.3	8751.7	8781.3	8799.1	8766.5	8799.1
25°	9213.9	9157.6	9196.1	9181.3	9139.8	9148.7	9125.0	9154.6	9169.4	9127.9	9175.3
27.5°	9584.2	9545.7	9581.2	9590.1	9539.8	9575.3	9539.8	9566.4	9581.2	9519.0	9566.4
30°	10016.7	9978.2	10010.8	10034.5	9975.3	10031.6	10001.9	10019.7	10022.7	9948.6	9993.0
32.5°	10487.8	10428.6	10511.5	10523.4	10458.2	10526.3	10487.8	10511.5	10526.3	10425.6	10493.7
35°	11062.6	10988.5	11083.3	11068.5	11012.2	11068.5	11032.9	11068.5	11104.0	10982.6	11056.6
37.5°	11681.8	11604.7	11705.5	11678.8	11625.5	11664.0	11643.2	11666.9	11723.2	11592.9	11672.9
40°	12363.2	12268.4	12404.6	12357.2	12306.9	12301.0	12312.8	12327.6	12401.7	12256.5	12303.9
42.5°	13092.0	12991.2	13195.7	13121.6	13050.5	13003.1	13041.6	13071.2	13142.3	12979.4	13065.3
45°	13924.5	13808.9	14075.6	13986.7	13874.1	13776.4	13838.6	13883.0	13986.7	13791.2	13891.9
47.5°	14842.9	14712.6	14997.0	14970.3	14786.6	14573.3	14715.5	14842.9	14919.9	14682.9	14762.9
50°	15740.6	15639.9	16013.2	16045.7	15820.6	15521.4	15719.9	15912.4	15933.2	15622.1	15660.6
52.5°	16582.0	16481.3	17023.4	17227.8	17026.4	16670.9	16881.2	17076.8	16919.7	16516.8	16528.7
55°	17254.5	17171.6	17861.9	18389.2	18457.4	18164.0	18288.5	18282.6	17767.1	17147.9	17168.6
57.5°	17417.5	17405.6	18276.6	19393.6	20104.6	20140.1	19894.2	19266.2	18155.2	17322.7	17269.3
60°	16676.8	16750.9	17947.8	19917.9	21814.0	22602.1	21538.5	19746.1	17713.7	16558.3	16422.0
62.5°	14460.7	14656.3	16099.1	19278.0	23194.6	25434.4	22856.9	19017.3	15900.6	14392.6	14303.7
65°	10363.4	10704.1	12298.0	16451.6	23070.2	27923.0	22667.3	16318.3	12416.5	10677.4	10550.0
67.5°	4701.7	5048.4	6402.3	11264.0	20054.2	27247.6	20006.8	11382.5	6722.3	5066.1	4992.1
70°	1703.5	1762.8	2198.3	4509.2	12816.5	21710.3	13364.5	4541.8	2337.5	1878.3	1854.6
72.5°	1031.0	1039.9	1131.7	1614.6	4452.9	13180.9	4642.5	1668.0	1155.4	1025.1	1042.9
75°	654.7	648.8	805.8	986.6	1579.1	4446.9	1656.1	986.6	802.9	731.8	737.7
77.5°	471.1	485.9	577.7	737.7	995.5	1508.0	977.7	705.1	577.7	474.0	482.9
80°	352.6	361.4	420.7	574.8	699.2	939.2	622.2	521.4	435.5	296.3	305.2
82.5°	254.8	254.8	275.5	417.7	426.6	506.6	337.7	367.4	287.4	210.3	210.3
85°	151.1	148.1	171.8	248.9	222.2	186.6	154.1	225.2	180.7	130.4	127.4
87.5°	53.3	56.3	53.3	71.1	59.3	50.4	47.4	62.2	50.4	44.4	41.5
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)