

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: P944500

Luminaire Tested: **GALN-SB9C-727-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944500
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9C-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63999 lumens
Efficiency: N/A
Efficacy: 142.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - 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

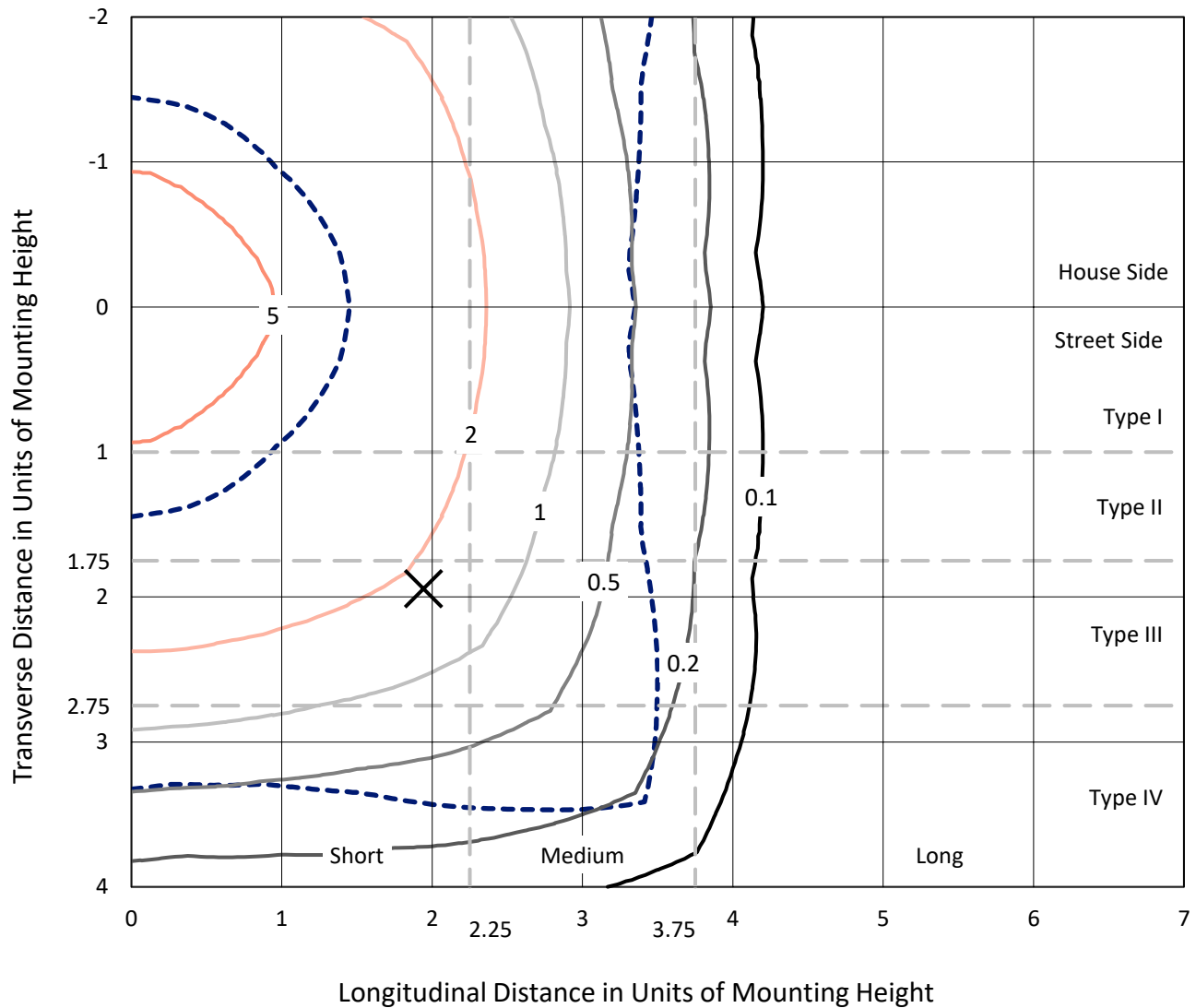


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Iso-Footcandle Lines of Horizontal Illumination

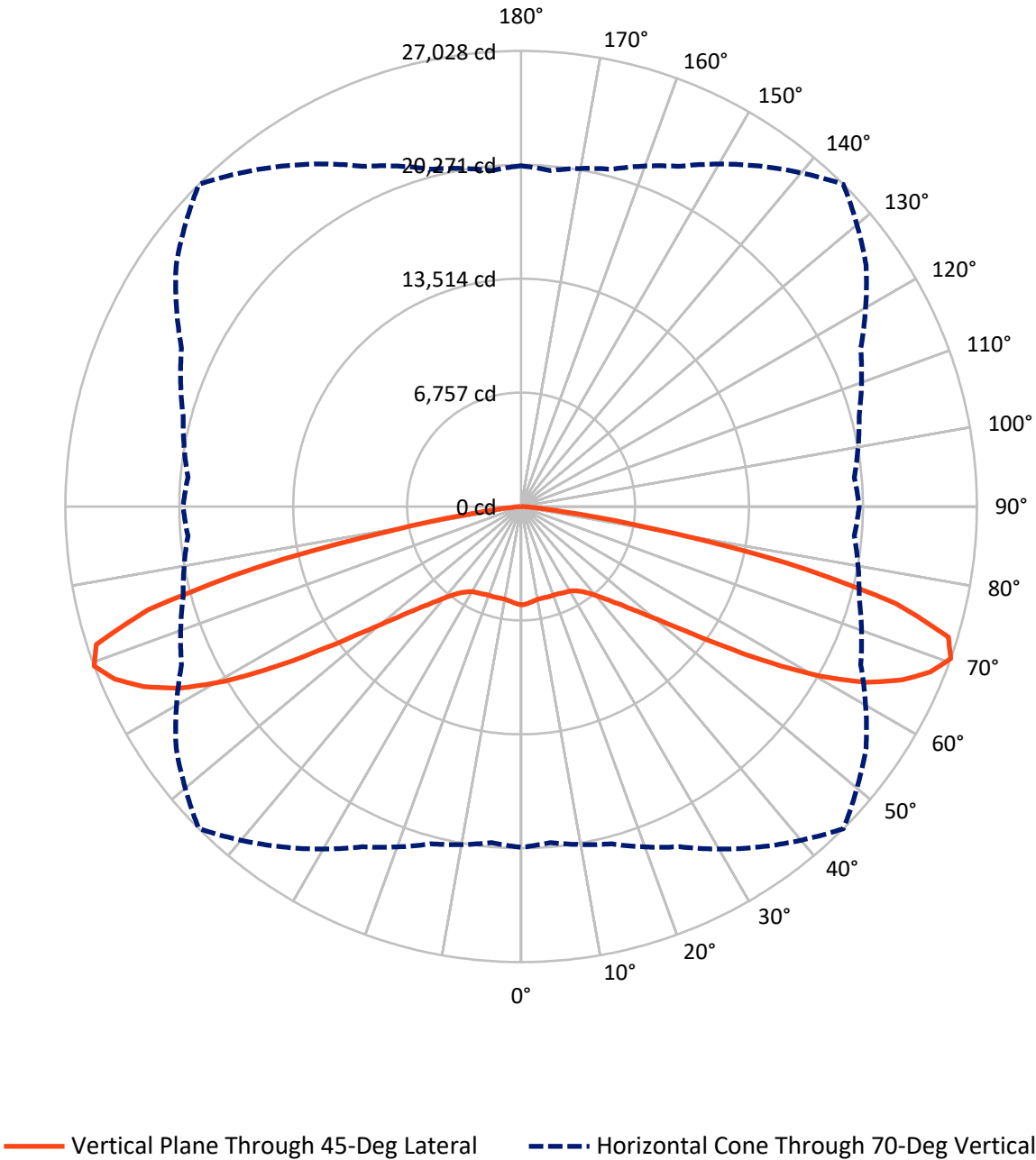
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	31999.5	0.0	31999.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31999.5	0.0	31999.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	63999.0	0.0	63999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.1	0.8
10°-20°	1594.6	2.5
20°-30°	2653.6	4.1
30°-40°	4013.1	6.3
40°-50°	6668.8	10.4
50°-60°	12583.8	19.7
60°-70°	21248.2	33.2
70°-80°	13962.3	21.8
80°-90°	731.5	1.1
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°	63999.0	100.0
0°-180°	63999.0	100.0

Coefficient of Utilization



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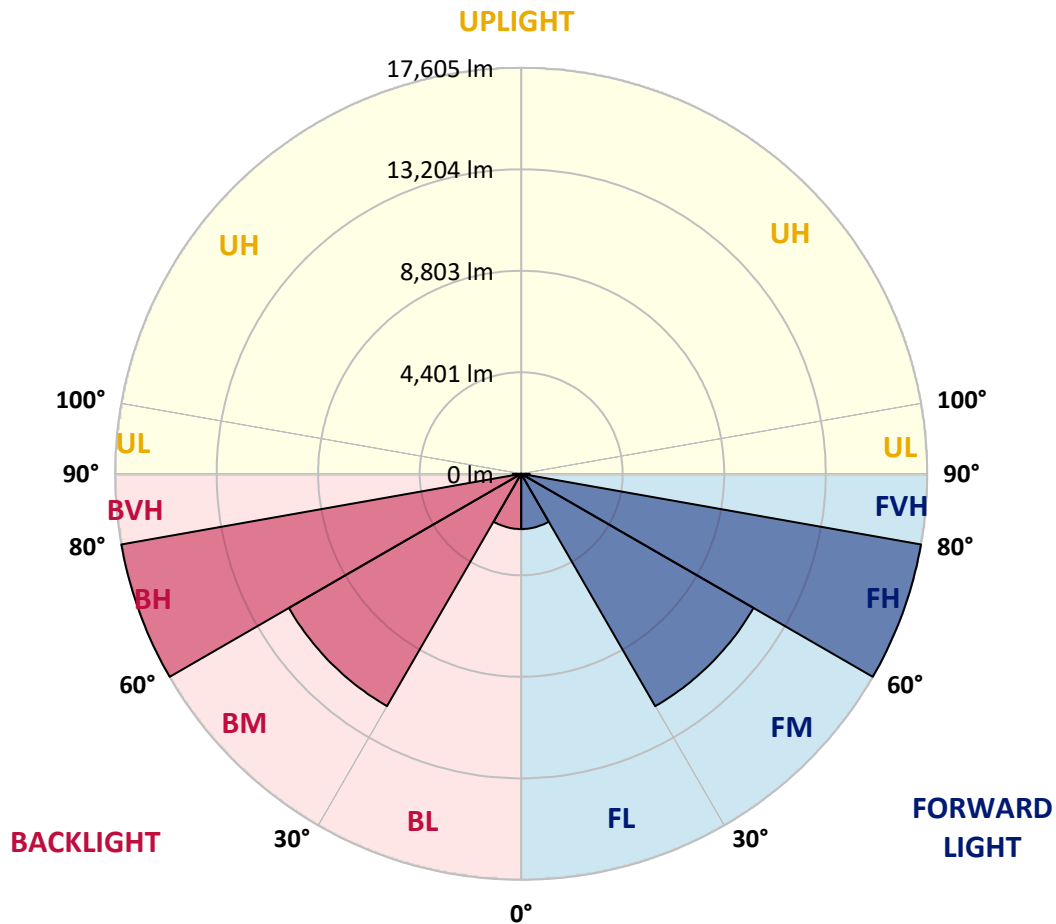
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2395.6	3.7			
FM	(30°-60°)	11632.8	18.2			
FH	(60°-80°)	17605.3	27.5			G5
FVH	(80°-90°)	365.7	0.6			G3/500
BL	(0°-30°)	2395.6	3.7	B3/2500		
BM	(30°-60°)	11632.8	18.2	B5		
BH	(60°-80°)	17605.3	27.5	B5		G5
BVH	(80°-90°)	365.7	0.6			G3/500
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°	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0	5838.0
2.5°	5801.4	5818.0	5811.4	5798.1	5798.1	5788.1	5798.1	5804.7	5814.7	5821.4	5818.0
5°	5724.9	5738.2	5734.9	5724.9	5728.2	5718.2	5724.9	5734.9	5741.5	5744.9	5744.9
7.5°	5658.4	5671.7	5665.0	5648.4	5648.4	5638.4	5641.7	5651.7	5661.7	5665.0	5665.0
10°	5641.7	5655.0	5635.1	5608.5	5598.5	5585.2	5588.5	5598.5	5618.4	5628.4	5628.4
12.5°	5648.4	5658.4	5638.4	5598.5	5588.5	5575.2	5575.2	5585.2	5611.8	5625.1	5628.4
15°	5668.3	5678.3	5648.4	5605.1	5595.2	5585.2	5581.9	5595.2	5625.1	5648.4	5651.7
17.5°	5704.9	5714.9	5668.3	5608.5	5595.2	5598.5	5595.2	5605.1	5651.7	5695.0	5695.0
20°	5738.2	5744.9	5681.7	5608.5	5595.2	5598.5	5595.2	5615.1	5675.0	5734.9	5738.2
22.5°	5748.2	5754.8	5695.0	5631.8	5621.8	5625.1	5621.8	5641.7	5698.3	5758.2	5758.2
25°	5751.5	5761.5	5714.9	5665.0	5681.7	5688.3	5681.7	5685.0	5728.2	5781.4	5778.1
27.5°	5801.4	5814.7	5771.5	5728.2	5738.2	5734.9	5744.9	5754.8	5788.1	5841.3	5828.0
30°	5904.5	5914.5	5877.9	5834.7	5828.0	5804.7	5834.7	5867.9	5904.5	5951.1	5941.1
32.5°	6074.2	6094.1	6047.6	6001.0	5971.1	5957.8	5981.0	6037.6	6087.5	6137.4	6117.4
35°	6356.9	6370.2	6327.0	6240.5	6187.3	6187.3	6207.2	6280.4	6360.3	6423.5	6400.2
37.5°	6756.1	6772.7	6696.2	6593.1	6513.3	6513.3	6539.9	6616.4	6736.2	6826.0	6792.7
40°	7241.8	7265.1	7168.6	7062.1	6985.6	6972.3	7005.6	7092.1	7205.2	7318.3	7281.7
42.5°	7827.2	7853.9	7727.4	7634.3	7574.4	7574.4	7591.1	7670.9	7774.0	7913.7	7903.8
45°	8575.7	8622.3	8449.3	8356.2	8299.6	8312.9	8322.9	8392.7	8485.9	8645.6	8638.9
47.5°	9467.2	9513.8	9330.8	9234.3	9224.4	9287.6	9247.7	9297.6	9347.4	9530.4	9477.2
50°	10478.5	10558.3	10431.9	10425.2	10445.2	10561.6	10468.5	10495.1	10438.5	10555.0	10485.1
52.5°	11715.9	11832.3	11809.1	11849.0	12071.8	12311.4	12098.5	12005.3	11792.4	11829.0	11705.9
55°	13216.2	13392.5	13425.7	13665.2	14170.9	14659.9	14207.5	13831.6	13379.2	13296.0	13166.3
57.5°	14922.7	15062.4	15222.0	15711.0	16655.8	17524.0	16655.8	15824.1	15112.3	14942.6	14822.9
60°	16758.9	16931.9	17084.9	17806.7	19210.5	20431.3	19183.9	17863.3	16921.9	16692.3	16492.8
62.5°	18731.5	18954.4	19060.8	19862.5	21499.1	22956.1	21522.4	19922.4	18877.9	18631.7	18432.1
65°	20624.3	20807.2	20927.0	21781.9	23345.3	24805.7	23451.8	21875.0	20800.6	20477.9	20318.2
67.5°	21505.8	21605.6	21898.3	22866.3	24516.3	26182.8	24795.7	22969.4	21768.6	21203.1	21209.7
70°	20215.1	20012.2	20717.4	22267.6	24656.0	27027.8	24975.3	22221.0	20750.7	19832.6	20052.1
72.5°	15621.2	15271.9	16496.1	19147.3	23059.3	26488.9	23218.9	19297.0	17257.9	15395.0	15857.4
75°	8499.2	8103.3	9793.2	13146.3	18388.9	22959.5	18811.3	13522.2	10904.2	8436.0	8984.9
77.5°	2398.4	2248.7	3612.6	6360.3	11060.6	16120.2	11486.4	6500.0	4284.5	2541.4	2824.2
80°	735.2	711.9	964.7	1916.1	4697.0	7720.8	4514.1	1939.3	1227.5	775.1	818.3
82.5°	435.8	399.2	479.0	698.6	1197.5	2425.0	1164.3	728.5	585.5	392.5	425.8
85°	249.5	232.9	282.8	339.3	402.5	515.6	336.0	346.0	312.7	209.6	219.5
87.5°	103.1	93.1	109.8	106.4	93.1	119.8	89.8	106.4	126.4	83.2	76.5
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)