

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: P956612

Luminaire Tested: **GALN-SB9B-722-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956612
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-SB9B-722-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44399 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

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

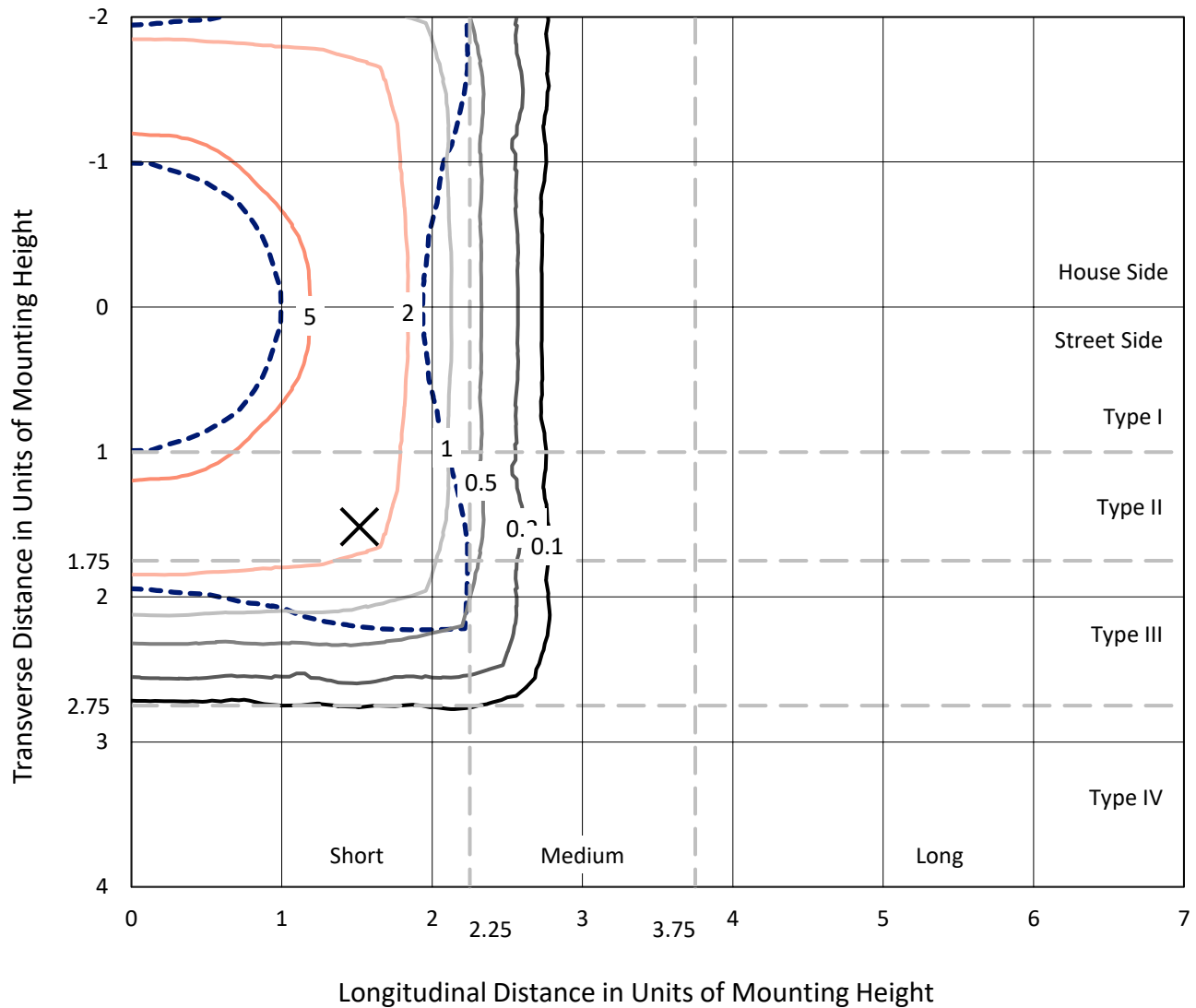


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

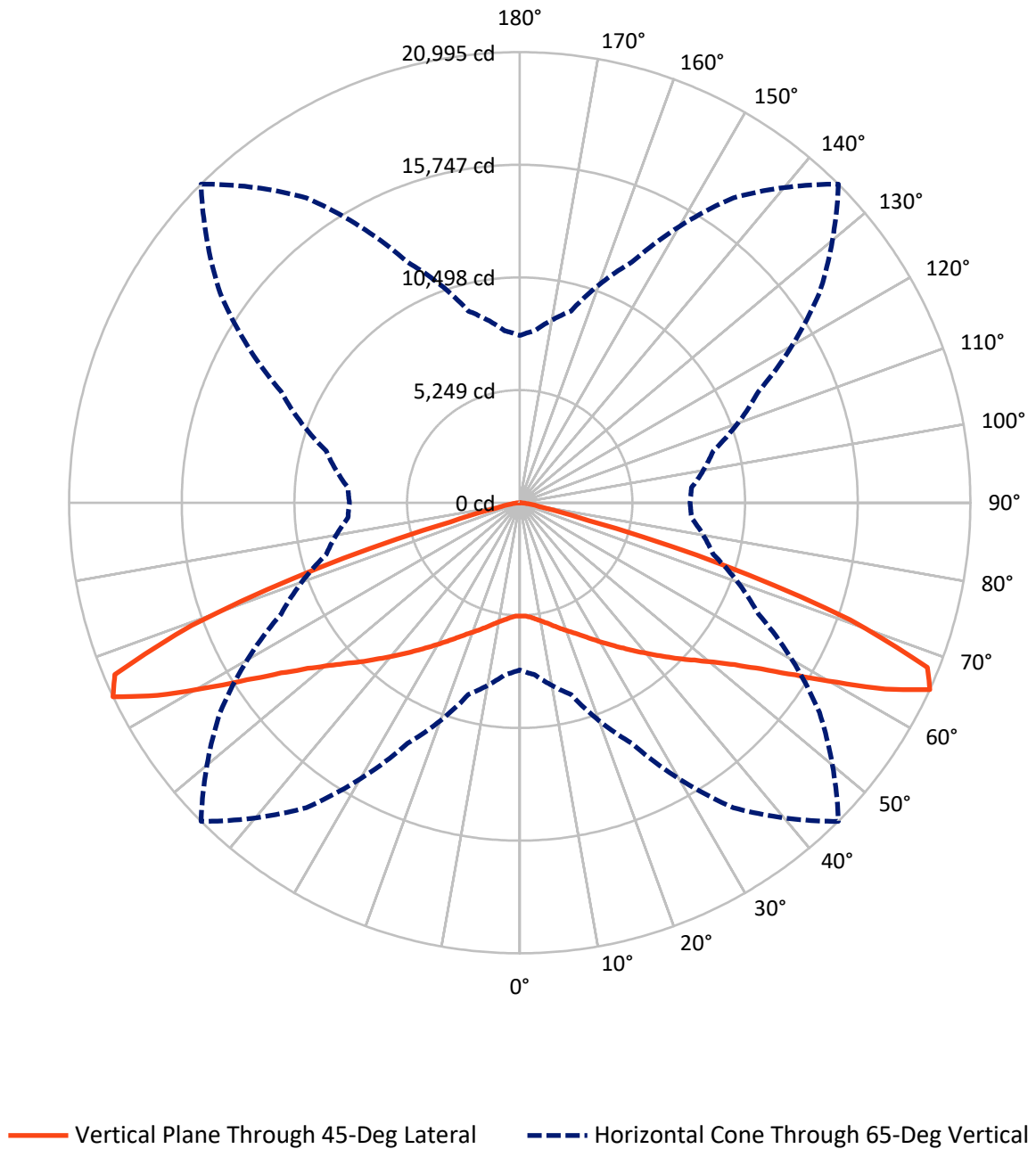


Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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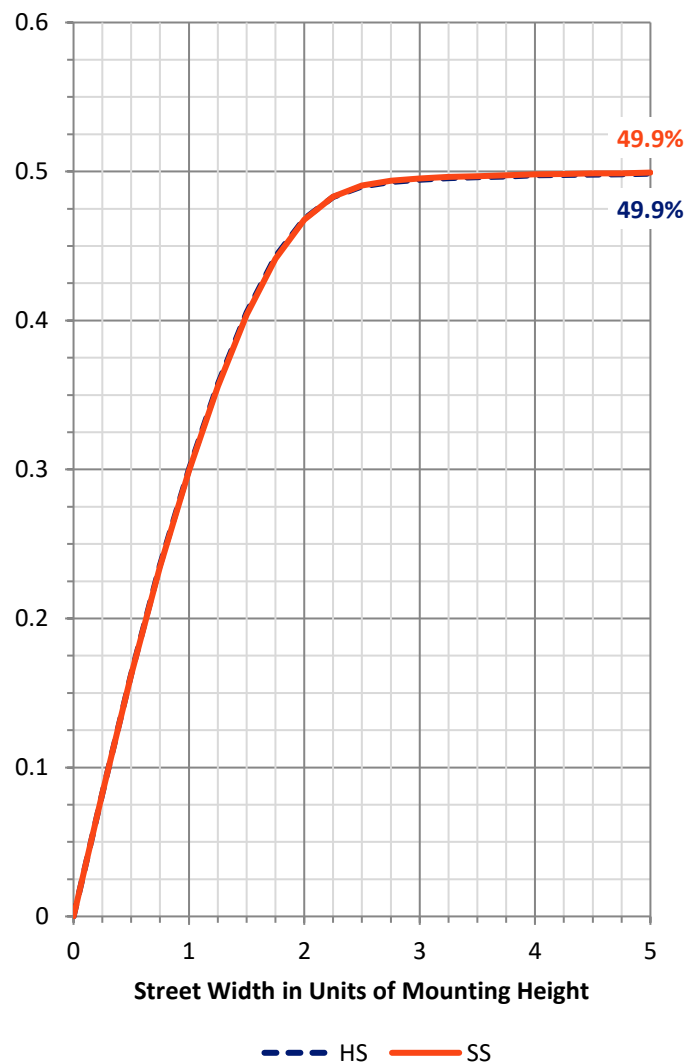
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	22199.5	0.0	22199.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22199.5	0.0	22199.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	44399.0	0.0	44399.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.5	1.2
10°-20°	1701.6	3.8
20°-30°	3212.8	7.2
30°-40°	5260.9	11.8
40°-50°	8157.0	18.4
50°-60°	12049.7	27.1
60°-70°	11470.2	25.8
70°-80°	1850.9	4.2
80°-90°	174.5	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°	44399.0	100.0
0°-180°	44399.0	100.0

Coefficient of Utilization



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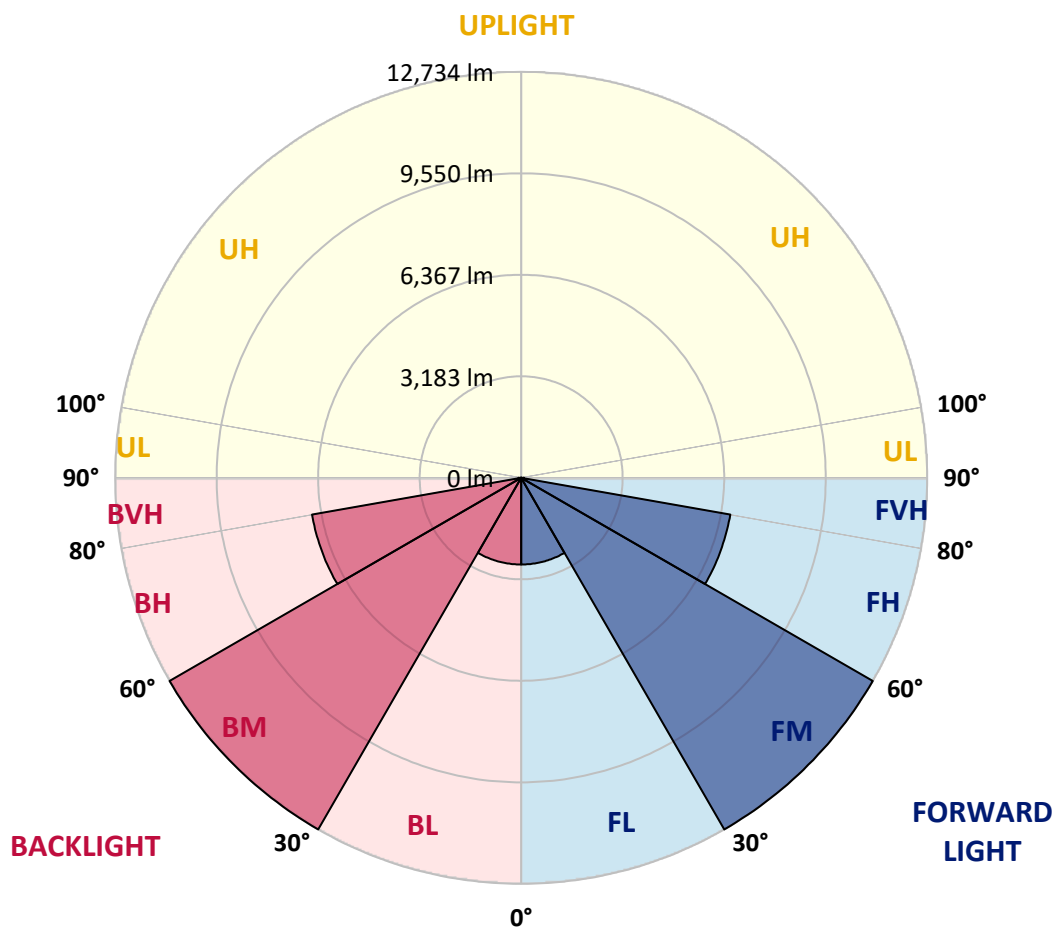
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2717.9	6.1			
FM	(30°-60°)	12733.8	28.7			
FH	(60°-80°)	6660.5	15.0			G3/7500
FVH	(80°-90°)	87.2	0.2			G1/100
BL	(0°-30°)	2717.9	6.1	B4/5000		
BM	(30°-60°)	12733.8	28.7	B5		
BH	(60°-80°)	6660.5	15.0	B5		G3/7500
BVH	(80°-90°)	87.2	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9	5283.9
2.5°	5319.6	5301.7	5315.1	5304.0	5295.1	5286.2	5290.6	5306.2	5312.9	5315.1	5315.1
5°	5390.9	5375.3	5381.9	5381.9	5366.3	5361.9	5364.1	5375.3	5388.6	5388.6	5388.6
7.5°	5506.7	5491.1	5506.7	5497.8	5484.4	5480.0	5477.7	5486.6	5506.7	5506.7	5500.0
10°	5647.0	5629.2	5638.1	5633.7	5618.1	5611.4	5609.2	5622.5	5640.3	5638.1	5633.7
12.5°	5800.7	5780.7	5791.8	5778.5	5774.0	5767.3	5767.3	5765.1	5776.2	5767.3	5771.8
15°	5972.3	5958.9	5963.4	5954.4	5961.1	5956.7	5938.8	5929.9	5934.4	5921.0	5923.3
17.5°	6175.0	6143.8	6159.4	6154.9	6154.9	6163.8	6134.9	6123.7	6132.6	6119.3	6130.4
20°	6408.9	6377.7	6384.4	6375.5	6364.3	6373.2	6337.6	6346.5	6353.2	6344.3	6364.3
22.5°	6665.1	6625.0	6622.7	6627.2	6602.7	6604.9	6580.4	6602.7	6616.0	6591.5	6616.0
25°	6927.9	6885.6	6914.5	6903.4	6872.2	6878.9	6861.1	6883.4	6894.5	6863.3	6899.0
27.5°	7206.4	7177.4	7204.1	7210.8	7173.0	7199.7	7173.0	7193.0	7204.1	7157.4	7193.0
30°	7531.6	7502.6	7527.1	7545.0	7500.4	7542.7	7520.5	7533.8	7536.1	7480.4	7513.8
32.5°	7885.8	7841.2	7903.6	7912.5	7863.5	7914.7	7885.8	7903.6	7914.7	7839.0	7890.2
35°	8317.9	8262.3	8333.5	8322.4	8280.1	8322.4	8295.7	8322.4	8349.1	8257.8	8313.5
37.5°	8783.5	8725.6	8801.3	8781.3	8741.2	8770.2	8754.6	8772.4	8814.7	8716.7	8776.8
40°	9295.9	9224.6	9327.1	9291.4	9253.6	9249.1	9258.0	9269.1	9324.8	9215.7	9251.3
42.5°	9843.9	9768.1	9921.8	9866.1	9812.7	9777.0	9806.0	9828.3	9881.7	9759.2	9823.8
45°	10469.8	10383.0	10583.4	10516.6	10432.0	10358.5	10405.2	10438.6	10516.6	10369.6	10445.3
47.5°	11160.4	11062.4	11276.2	11256.2	11118.1	10957.7	11064.6	11160.4	11218.3	11040.1	11100.3
50°	11835.4	11759.6	12040.3	12064.8	11895.5	11670.5	11819.8	11964.6	11980.2	11746.3	11775.2
52.5°	12468.0	12392.3	12799.9	12953.6	12802.2	12534.8	12693.0	12840.0	12722.0	12419.0	12427.9
55°	12973.7	12911.3	13430.3	13826.9	13878.1	13657.6	13751.1	13746.7	13359.1	12893.5	12909.1
57.5°	13096.2	13087.3	13742.2	14582.0	15116.7	15143.4	14958.5	14486.2	13650.9	13024.9	12984.8
60°	12539.3	12595.0	13494.9	14976.3	16402.0	16994.5	16194.8	14847.1	13319.0	12450.2	12347.7
62.5°	10873.0	11020.1	12104.9	14495.2	17440.1	19124.2	17186.1	14299.1	11955.7	10821.8	10755.0
65°	7792.2	8048.4	9246.9	12370.0	17346.5	20995.4	17043.6	12269.8	9336.0	8028.4	7932.6
67.5°	3535.2	3795.9	4813.9	8469.4	15078.8	20487.5	15043.1	8558.5	5054.5	3809.2	3753.5
70°	1280.9	1325.4	1652.9	3390.4	9636.7	16324.0	10048.8	3414.9	1757.6	1412.3	1394.5
72.5°	775.2	781.9	851.0	1214.1	3348.1	9910.7	3490.7	1254.2	868.8	770.8	784.1
75°	492.3	487.8	605.9	741.8	1187.3	3343.7	1245.2	741.8	603.7	550.2	554.7
77.5°	354.2	365.3	434.4	554.7	748.5	1133.9	735.1	530.2	434.4	356.4	363.1
80°	265.1	271.8	316.3	432.2	525.7	706.2	467.8	392.1	327.5	222.8	229.4
82.5°	191.6	191.6	207.2	314.1	320.8	380.9	253.9	276.2	216.1	158.2	158.2
85°	113.6	111.4	129.2	187.1	167.1	140.3	115.8	169.3	135.9	98.0	95.8
87.5°	40.1	42.3	40.1	53.5	44.6	37.9	35.6	46.8	37.9	33.4	31.2
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)