

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: P944660

Luminaire Tested: **GALN-SB9D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944660
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-SB9D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 77449 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 658
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

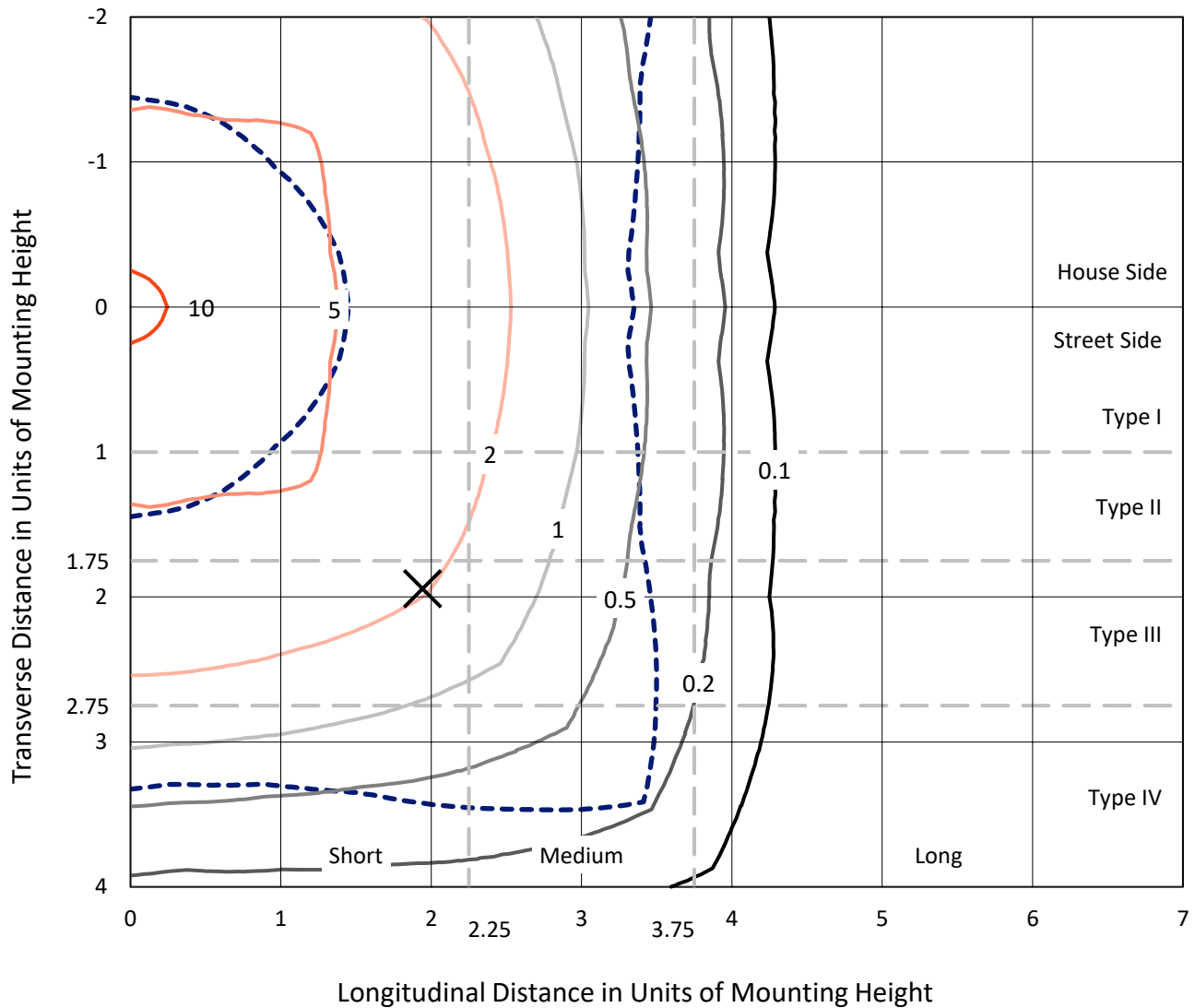


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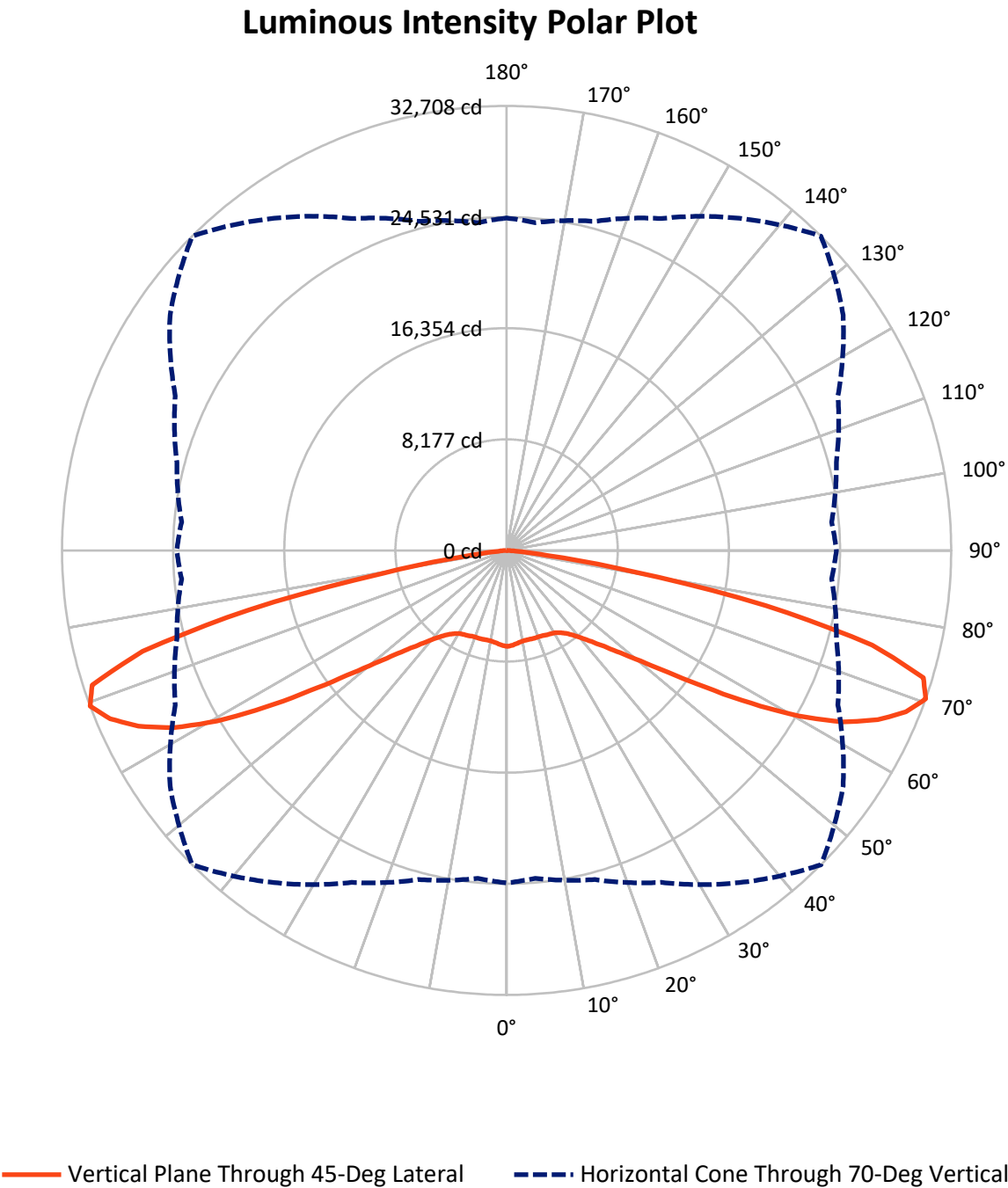
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
Type V - Short - N/A

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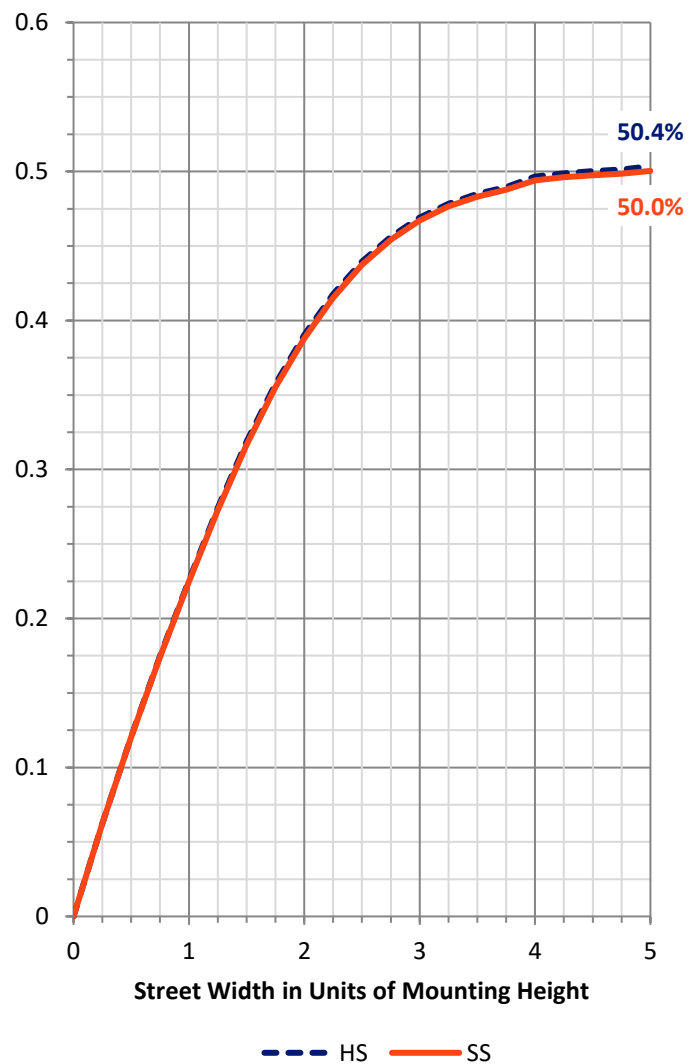
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	38724.5	0.0	38724.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	38724.5	0.0	38724.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	77449.0	0.0	77449.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.2	0.8
10°-20°	1929.7	2.5
20°-30°	3211.3	4.1
30°-40°	4856.5	6.3
40°-50°	8070.3	10.4
50°-60°	15228.4	19.7
60°-70°	25713.8	33.2
70°-80°	16896.6	21.8
80°-90°	885.2	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°	77449.0	100.0
0°-180°	77449.0	100.0

Coefficient of Utilization



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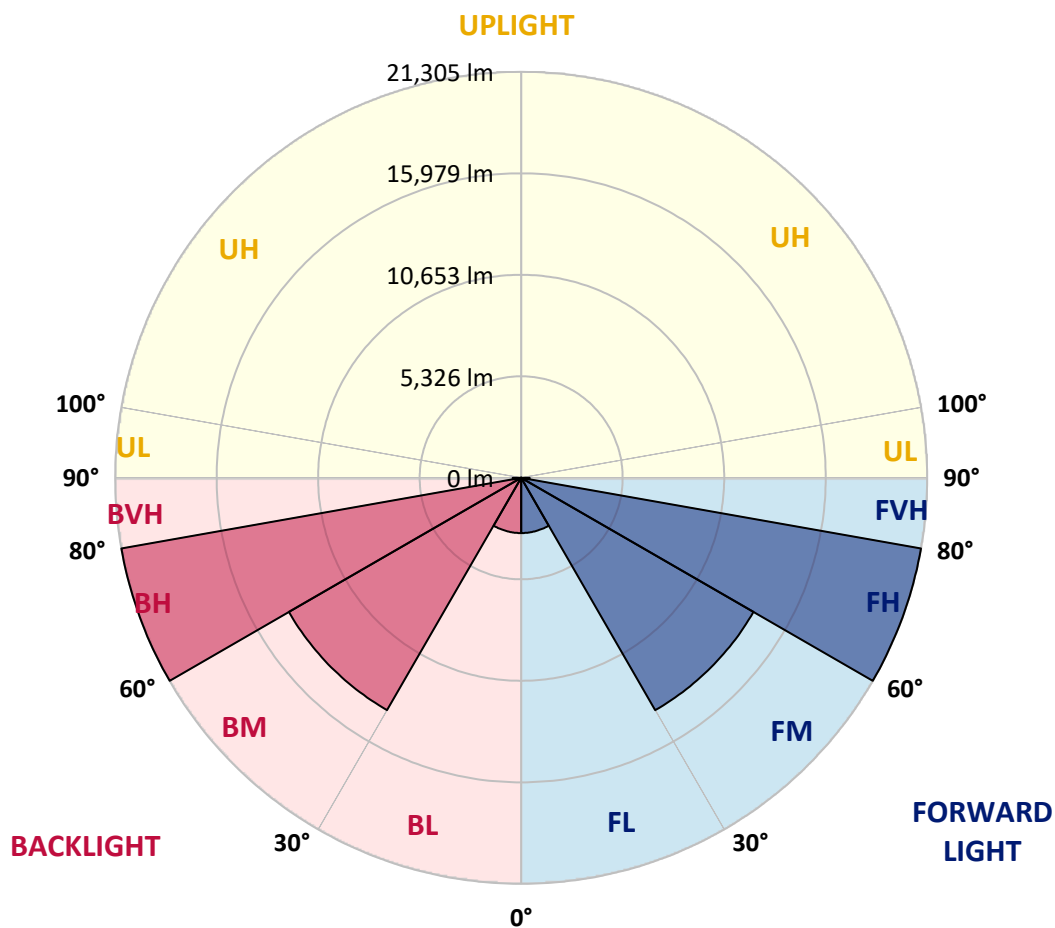
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2899.1	3.7			
FM	(30°-60°)	14077.6	18.2			
FH	(60°-80°)	21305.2	27.5			G5
FVH	(80°-90°)	442.6	0.6			G3/500
BL	(0°-30°)	2899.1	3.7	B4/5000		
BM	(30°-60°)	14077.6	18.2	B5		
BH	(60°-80°)	21305.2	27.5	B5		G5
BVH	(80°-90°)	442.6	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°	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9	7064.9
2.5°	7020.6	7040.8	7032.7	7016.6	7016.6	7004.5	7016.6	7024.7	7036.7	7044.8	7040.8
5°	6928.0	6944.1	6940.1	6928.0	6932.1	6920.0	6928.0	6940.1	6948.2	6952.2	6952.2
7.5°	6847.5	6863.6	6855.6	6835.4	6835.4	6823.4	6827.4	6839.5	6851.6	6855.6	6855.6
10°	6827.4	6843.5	6819.3	6787.1	6775.1	6759.0	6763.0	6775.1	6799.2	6811.3	6811.3
12.5°	6835.4	6847.5	6823.4	6775.1	6763.0	6746.9	6746.9	6759.0	6791.2	6807.3	6811.3
15°	6859.6	6871.7	6835.4	6783.1	6771.0	6759.0	6754.9	6771.0	6807.3	6835.4	6839.5
17.5°	6903.9	6916.0	6859.6	6787.1	6771.0	6775.1	6771.0	6783.1	6839.5	6891.8	6891.8
20°	6944.1	6952.2	6875.7	6787.1	6771.0	6775.1	6771.0	6795.2	6867.7	6940.1	6944.1
22.5°	6956.2	6964.3	6891.8	6815.3	6803.2	6807.3	6803.2	6827.4	6895.8	6968.3	6968.3
25°	6960.2	6972.3	6916.0	6855.6	6875.7	6883.8	6875.7	6879.7	6932.1	6996.5	6992.4
27.5°	7020.6	7036.7	6984.4	6932.1	6944.1	6940.1	6952.2	6964.3	7004.5	7068.9	7052.8
30°	7145.4	7157.5	7113.2	7060.9	7052.8	7024.7	7060.9	7101.1	7145.4	7201.8	7189.7
32.5°	7350.7	7374.9	7318.5	7262.2	7225.9	7209.8	7238.0	7306.4	7366.8	7427.2	7403.1
35°	7692.9	7709.0	7656.7	7552.0	7487.6	7487.6	7511.7	7600.3	7696.9	7773.4	7745.2
37.5°	8176.0	8196.1	8103.5	7978.7	7882.1	7882.1	7914.3	8006.9	8151.8	8260.5	8220.3
40°	8763.7	8791.9	8675.1	8546.3	8453.7	8437.6	8477.9	8582.6	8719.4	8856.3	8812.0
42.5°	9472.2	9504.4	9351.4	9238.7	9166.3	9166.3	9186.4	9283.0	9407.8	9576.9	9564.8
45°	10378.0	10434.3	10225.0	10112.3	10043.8	10059.9	10072.0	10156.6	10269.3	10462.5	10454.5
47.5°	11456.8	11513.2	11291.8	11175.0	11163.0	11239.4	11191.1	11251.5	11311.9	11533.3	11468.9
50°	12680.6	12777.2	12624.2	12616.2	12640.3	12781.2	12668.5	12700.7	12632.3	12773.2	12688.7
52.5°	14178.1	14319.0	14290.8	14339.1	14608.9	14898.7	14641.1	14528.3	14270.7	14315.0	14166.0
55°	15993.7	16207.0	16247.3	16537.1	17149.0	17740.8	17193.3	16738.4	16190.9	16090.3	15933.3
57.5°	18058.8	18227.9	18421.1	19012.9	20156.1	21206.8	20156.1	19149.7	18288.2	18082.9	17938.0
60°	20280.9	20490.2	20675.4	21549.0	23247.8	24725.2	23215.6	21617.4	20478.2	20200.4	19958.9
62.5°	22668.1	22937.8	23066.6	24036.8	26017.4	27780.6	26045.6	24109.3	22845.2	22547.3	22305.8
65°	24958.6	25180.1	25325.0	26359.6	28251.6	30018.8	28380.4	26472.3	25172.0	24781.5	24588.3
67.5°	26025.4	26146.2	26500.5	27671.9	29668.6	31685.4	30006.7	27796.7	26343.5	25659.1	25667.2
70°	24463.5	24217.9	25071.4	26947.3	29837.7	32707.9	30224.1	26890.9	25111.6	24000.6	24266.2
72.5°	18904.2	18481.5	19962.9	23171.3	27905.4	32055.8	28098.6	23352.4	20884.8	18630.4	19190.0
75°	10285.4	9806.3	11851.3	15909.1	22253.5	27784.6	22764.7	16364.0	13195.9	10208.9	10873.1
77.5°	2902.4	2721.3	4371.8	7696.9	13385.1	19508.0	13900.4	7866.0	5185.0	3075.5	3417.7
80°	889.7	861.5	1167.4	2318.7	5684.1	9343.4	5462.7	2346.9	1485.4	938.0	990.3
82.5°	527.4	483.1	579.7	845.4	1449.2	2934.7	1409.0	881.6	708.5	475.0	515.3
85°	301.9	281.8	342.2	410.6	487.1	624.0	406.6	418.7	378.4	253.6	265.7
87.5°	124.8	112.7	132.8	128.8	112.7	144.9	108.7	128.8	153.0	100.6	92.6
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)