

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: P954469

Luminaire Tested: **GALN-SB7D-722-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954469
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62608 lumens
Efficiency: N/A
Efficacy: 122.1 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): 512.8
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

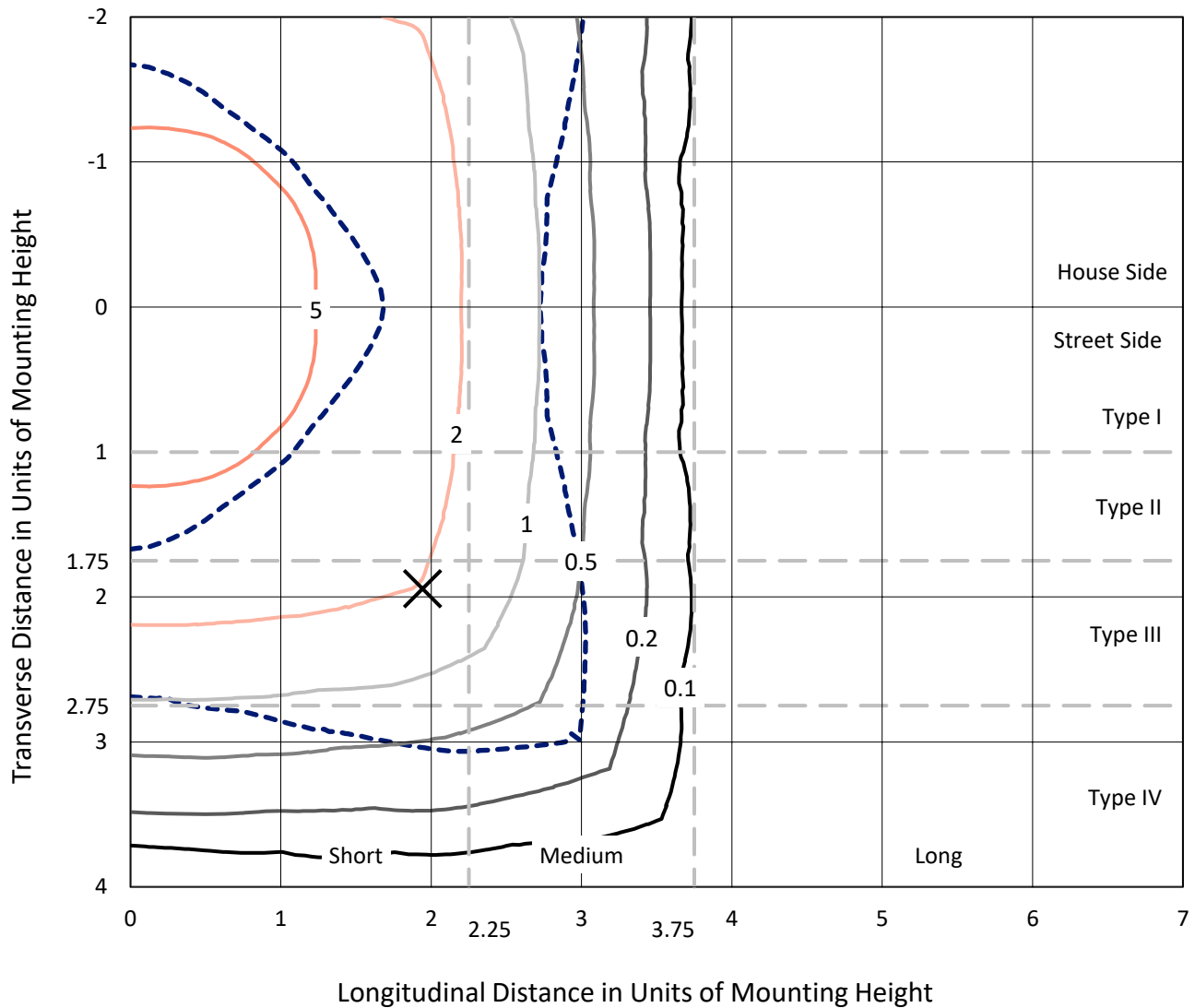


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

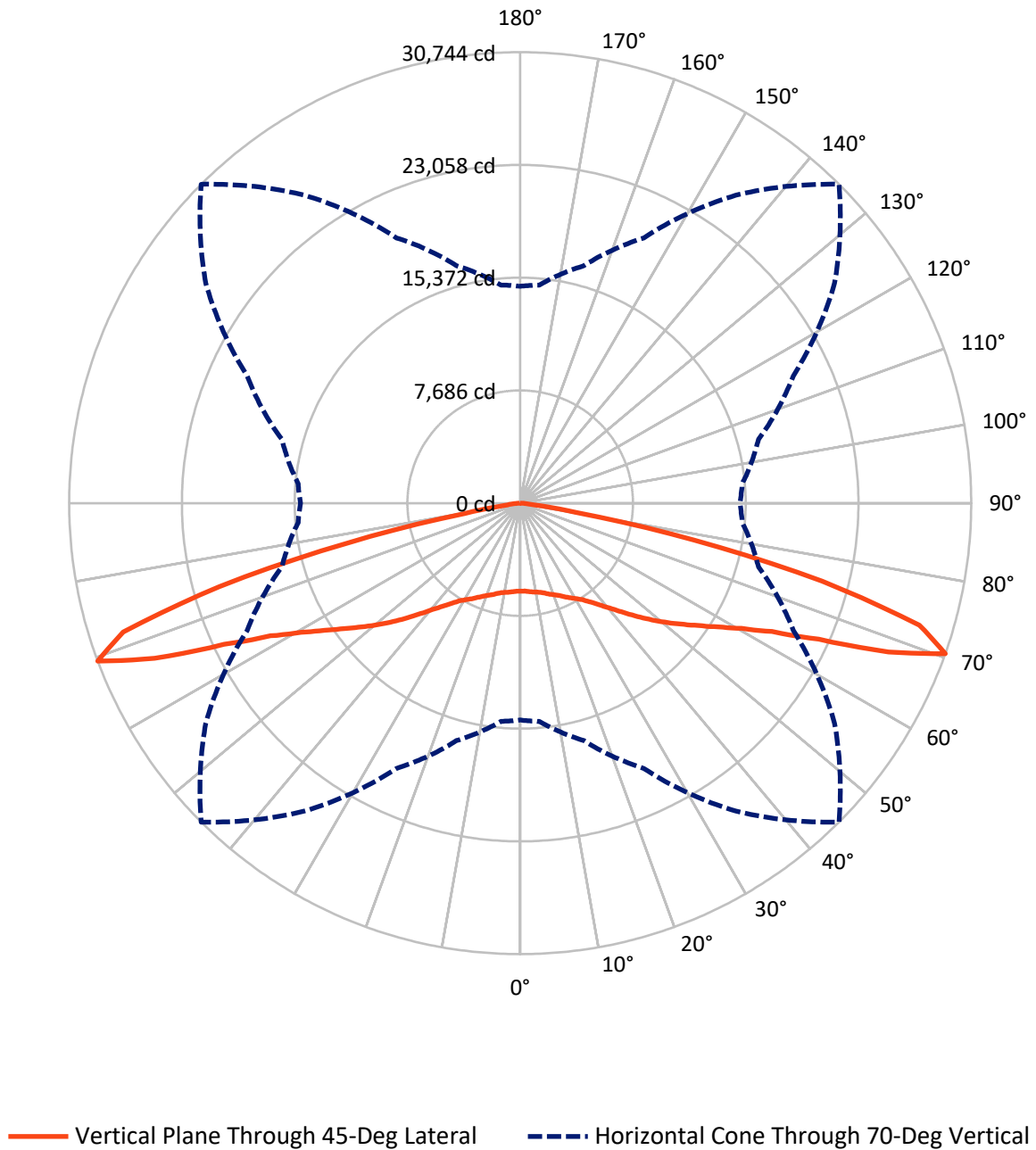


Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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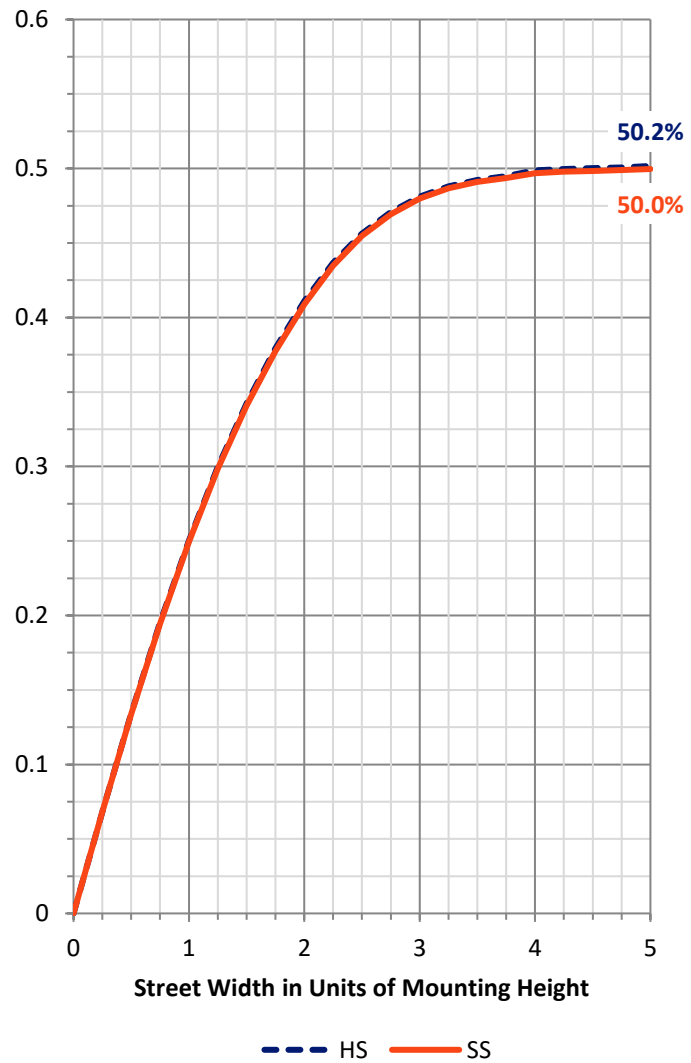
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31304.0	0.0	31304.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31304.0	0.0	31304.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62608.0	0.0	62608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.6	0.9
10°-20°	1806.7	2.9
20°-30°	3228.7	5.2
30°-40°	5233.7	8.4
40°-50°	8524.9	13.6
50°-60°	12997.5	20.8
60°-70°	19336.2	30.9
70°-80°	10538.8	16.8
80°-90°	358.9	0.6
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°	62608.0	100.0
0°-180°	62608.0	100.0

Coefficient of Utilization



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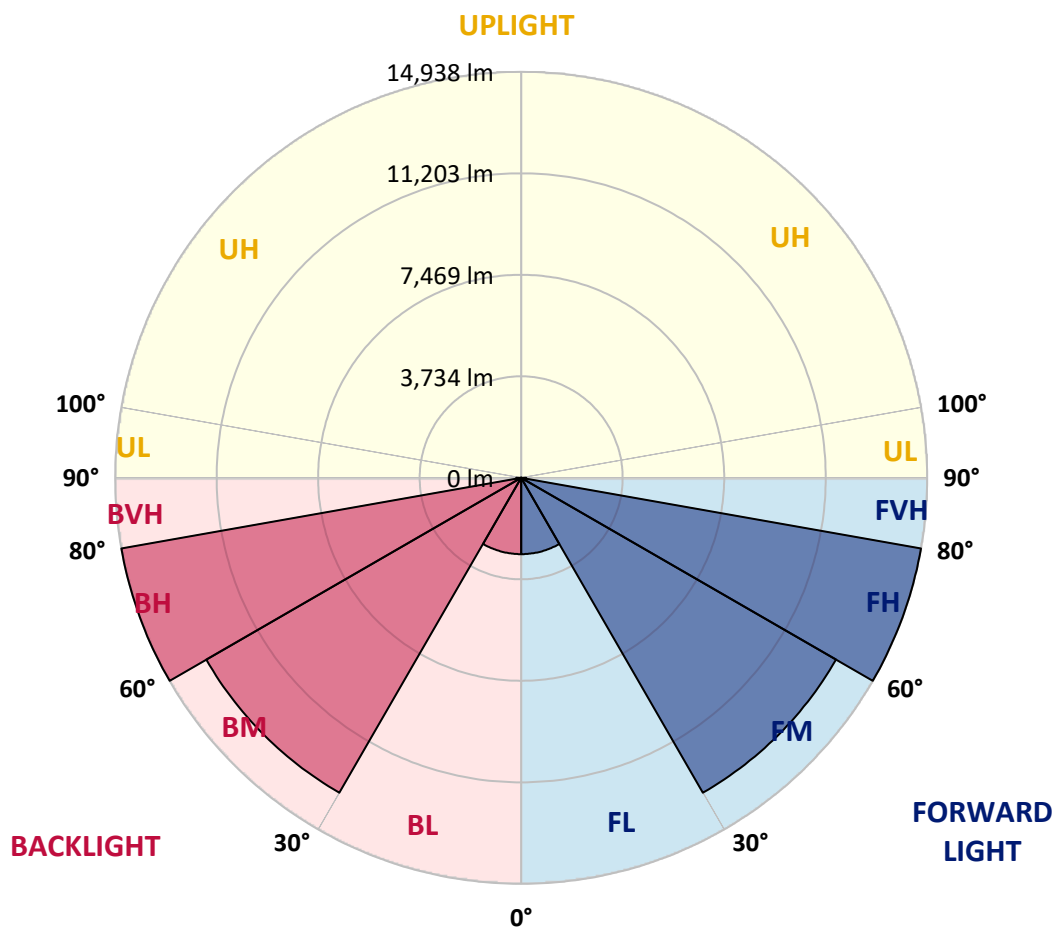
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2809.0	4.5			
FM	(30°-60°)	13378.1	21.4			
FH	(60°-80°)	14937.5	23.9			G5
FVH	(80°-90°)	179.4	0.3			G2/225
BL	(0°-30°)	2809.0	4.5	B4/5000		
BM	(30°-60°)	13378.1	21.4	B5		
BH	(60°-80°)	14937.5	23.9	B5		G5
BVH	(80°-90°)	179.4	0.3			G2/225
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°	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2	5997.2
2.5°	6025.5	6031.8	6019.2	6012.9	6006.6	5997.2	6000.3	6016.1	6028.6	6025.5	6028.6
5°	6075.8	6082.1	6072.6	6069.5	6056.9	6053.8	6053.8	6069.5	6078.9	6072.6	6075.8
7.5°	6132.4	6141.8	6126.1	6122.9	6116.6	6110.4	6107.2	6122.9	6132.4	6132.4	6132.4
10°	6185.8	6195.2	6182.6	6173.2	6166.9	6166.9	6160.6	6173.2	6188.9	6185.8	6185.8
12.5°	6242.4	6248.7	6236.1	6229.8	6229.8	6239.2	6229.8	6236.1	6248.7	6242.4	6239.2
15°	6311.5	6314.7	6311.5	6320.9	6336.7	6368.1	6339.8	6333.5	6339.8	6324.1	6324.1
17.5°	6405.8	6412.1	6424.7	6446.7	6468.7	6525.3	6475.0	6459.2	6459.2	6427.8	6427.8
20°	6522.1	6531.5	6550.4	6588.1	6616.4	6669.8	6619.5	6597.5	6588.1	6547.3	6547.3
22.5°	6644.7	6660.4	6688.7	6739.0	6789.3	6839.6	6789.3	6751.6	6723.3	6669.8	6666.7
25°	6786.1	6805.0	6849.0	6930.7	6999.9	7072.2	7012.4	6937.0	6880.4	6805.0	6801.9
27.5°	6987.3	7009.3	7062.7	7163.3	7251.3	7314.2	7257.6	7160.2	7081.6	6990.4	6987.3
30°	7270.2	7292.2	7355.1	7461.9	7521.6	7562.5	7524.8	7449.4	7355.1	7251.3	7251.3
32.5°	7634.8	7663.1	7732.2	7832.8	7845.4	7851.7	7839.1	7801.4	7732.2	7606.5	7609.7
35°	8096.8	8128.3	8206.9	8288.6	8276.0	8288.6	8269.7	8257.1	8206.9	8062.3	8062.3
37.5°	8662.6	8700.3	8782.1	8844.9	8813.5	8797.8	8800.9	8804.1	8775.8	8615.5	8615.5
40°	9319.5	9369.8	9429.6	9495.6	9442.1	9395.0	9426.4	9451.6	9426.4	9263.0	9263.0
42.5°	9995.3	10067.6	10130.5	10224.8	10180.8	10121.1	10165.1	10193.4	10139.9	9963.9	9976.5
45°	10746.6	10815.7	10897.4	11038.9	11007.4	10944.6	11007.4	11013.7	10922.6	10715.1	10737.1
47.5°	11522.9	11595.2	11717.8	11906.4	11893.8	11824.7	11906.4	11862.4	11746.1	11497.8	11482.1
50°	12258.4	12359.0	12547.6	12811.6	12836.8	12751.9	12861.9	12777.1	12582.2	12271.0	12264.7
52.5°	12949.9	13056.8	13355.4	13713.7	13804.9	13694.9	13842.6	13694.9	13402.5	13003.4	12965.6
55°	13676.0	13795.4	14150.6	14619.0	14801.3	14719.5	14857.8	14634.7	14219.8	13735.7	13669.7
57.5°	14530.9	14603.2	15027.6	15583.9	15891.9	15910.8	15973.7	15596.5	15093.6	14543.5	14468.1
60°	15458.2	15558.8	16020.8	16687.2	17174.4	17331.5	17265.5	16706.0	16121.4	15489.6	15389.0
62.5°	16646.3	16756.3	17309.5	18107.9	18878.0	19267.7	19010.0	18199.0	17476.1	16718.6	16586.6
65°	17630.1	17752.7	18752.2	20176.1	21578.0	22360.6	21713.1	20220.1	18918.8	17850.2	17674.1
67.5°	16916.6	17067.5	18635.9	21251.1	24736.9	27072.3	24856.3	21571.7	19022.6	17573.6	17356.7
70°	14785.5	14927.0	16756.3	19952.9	25626.4	30743.5	26160.7	20540.7	16816.0	15194.2	14977.3
72.5°	9816.2	10271.9	12123.3	15958.0	22882.4	28449.0	23108.7	15634.2	11246.3	9794.2	9476.7
75°	3256.3	3620.9	4884.5	8272.9	15326.2	21276.2	14590.7	7320.5	3869.3	2784.9	2634.0
77.5°	820.4	946.1	1304.4	2366.8	6113.5	12113.8	5503.7	1933.1	1053.0	735.5	656.9
80°	399.2	440.0	628.6	788.9	1530.7	3850.4	1436.4	741.8	496.6	383.5	352.0
82.5°	220.0	223.2	355.2	446.3	568.9	996.4	590.9	433.8	286.0	232.6	232.6
85°	135.2	132.0	188.6	238.9	238.9	355.2	282.9	238.9	163.4	144.6	150.9
87.5°	53.4	53.4	69.2	75.4	66.0	91.2	72.3	78.6	62.9	59.7	62.9
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)