

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: P944663

Luminaire Tested: **GALN-SB9D-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
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-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75746 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - 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



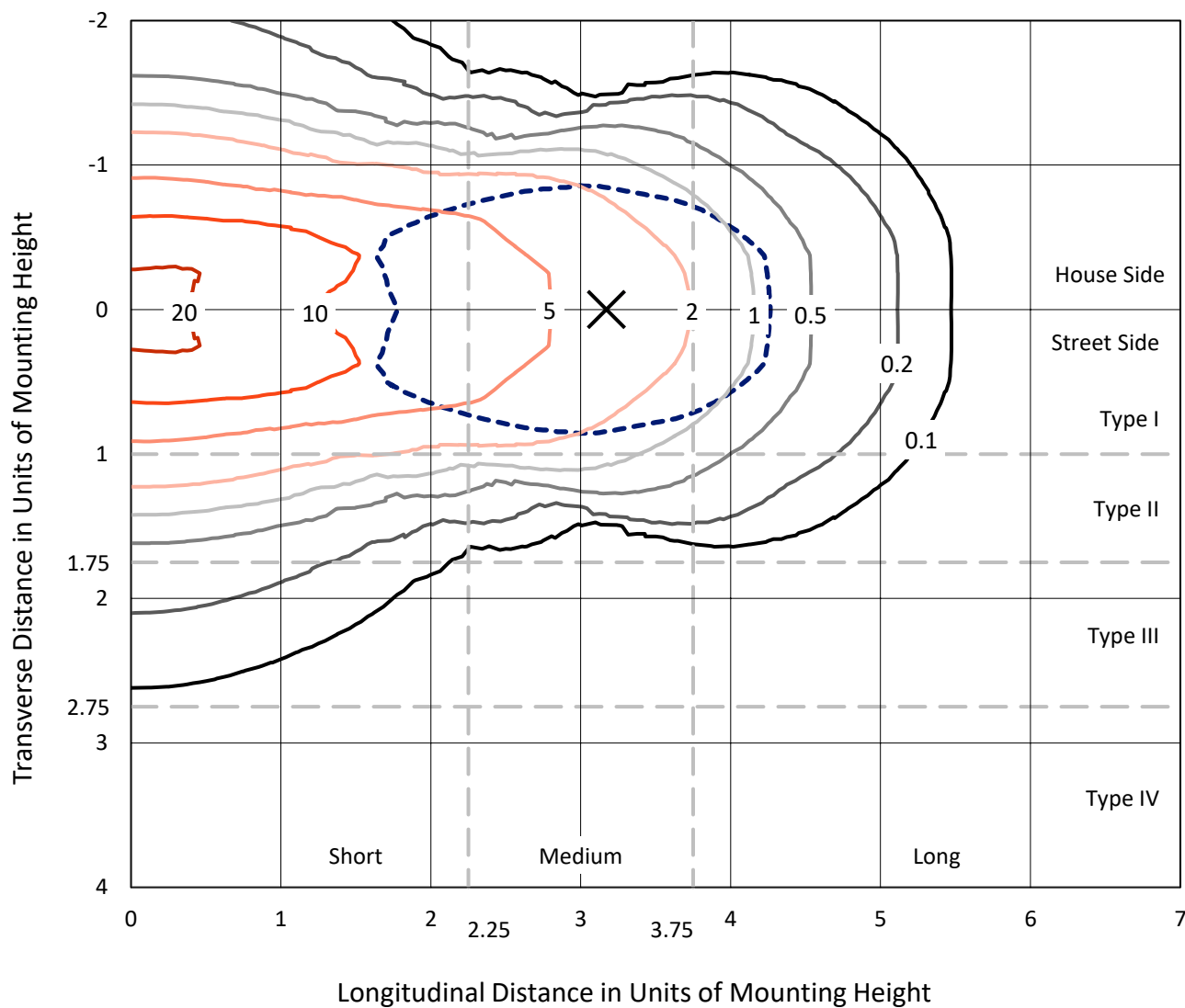
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Iso-Footcandle Lines of Horizontal Illumination

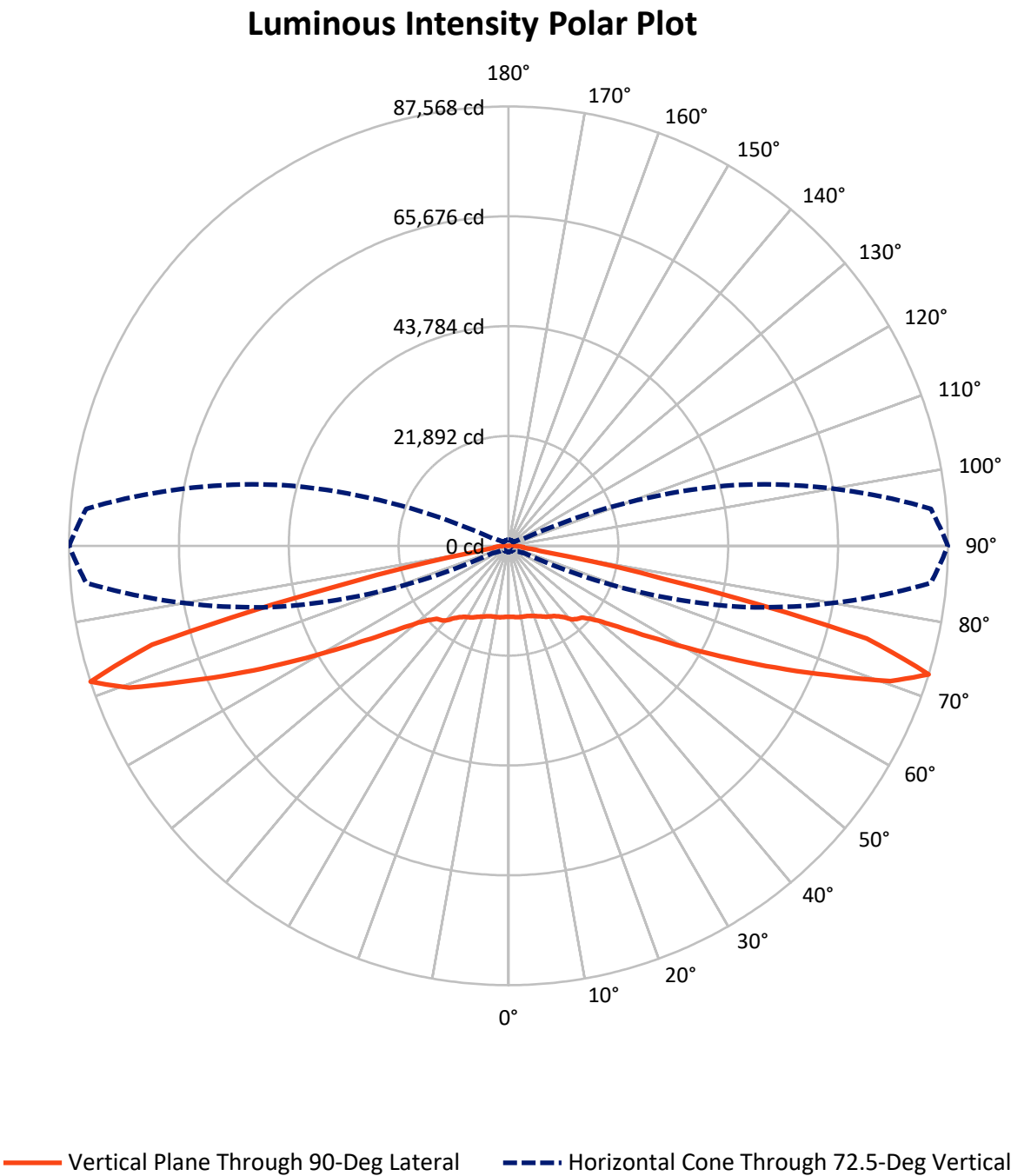
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc
Type I - Short - N/A

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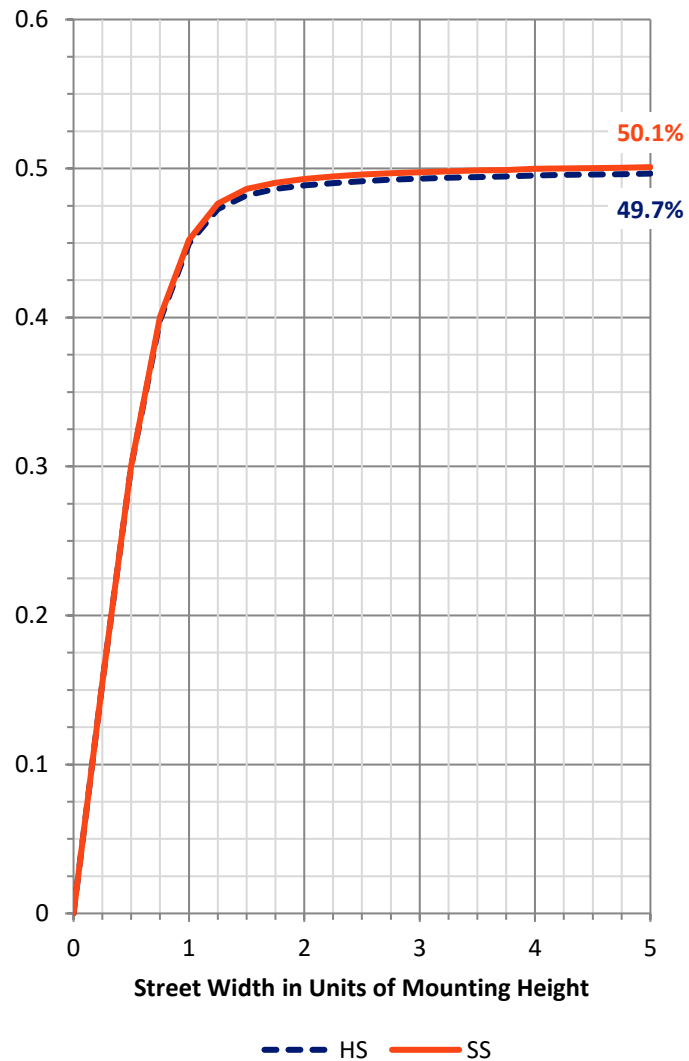
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37873.0	0.0	37873.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37873.0	0.0	37873.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	75746.0	0.0	75746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1372.4	1.8
10°-20°	4196.2	5.5
20°-30°	6996.9	9.2
30°-40°	9622.8	12.7
40°-50°	11752.1	15.5
50°-60°	13592.6	17.9
60°-70°	16206.9	21.4
70°-80°	11311.3	14.9
80°-90°	694.7	0.9
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°	75746.0	100.0
0°-180°	75746.0	100.0

Coefficient of Utilization



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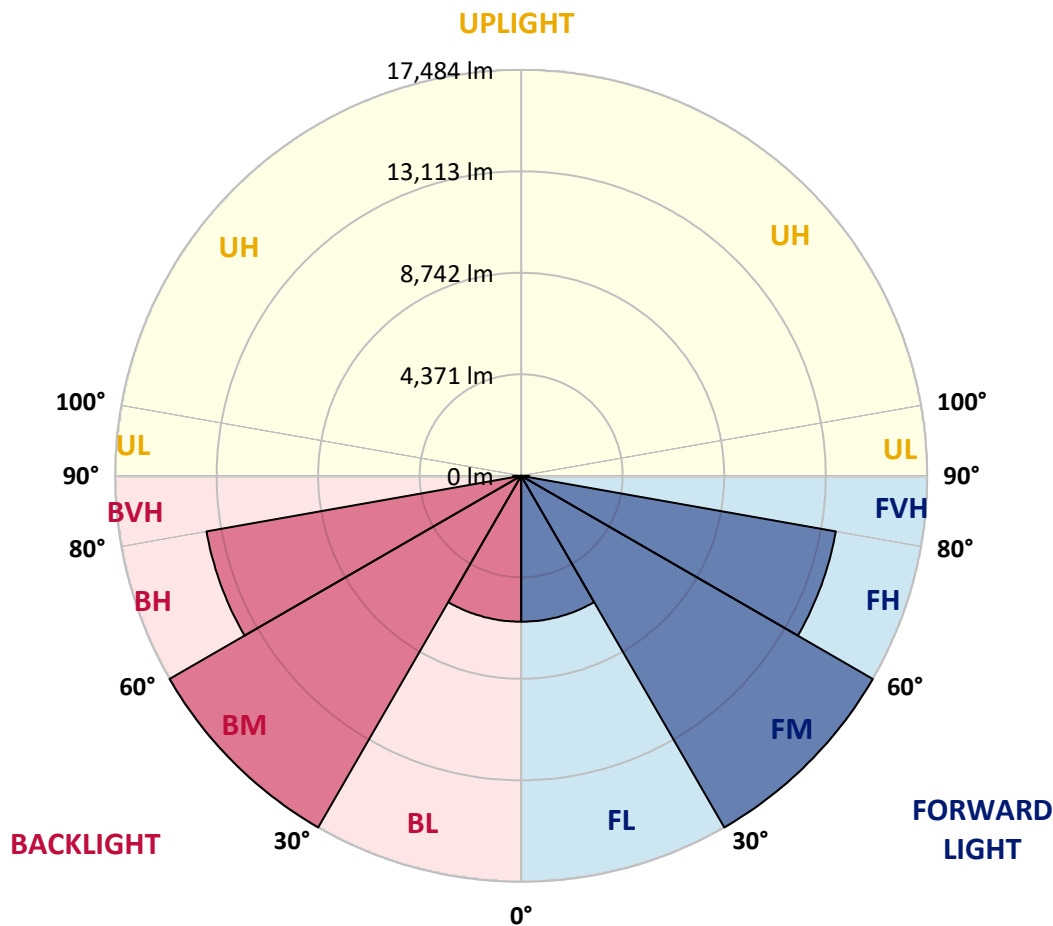
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6282.7	8.3			
FM	(30°-60°)	17483.8	23.1			
FH	(60°-80°)	13759.1	18.2			G5
FVH	(80°-90°)	347.4	0.5			G3/500
BL	(0°-30°)	6282.7	8.3	B5		
BM	(30°-60°)	17483.8	23.1	B5		
BH	(60°-80°)	13759.1	18.2	B5		G5
BVH	(80°-90°)	347.4	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9	14153.9
2.5°	14166.0	14182.1	14182.1	14170.0	14198.2	14174.1	14174.1	14162.0	14174.1	14162.0	14162.0
5°	14238.5	14258.6	14266.7	14262.6	14298.9	14278.7	14278.7	14262.6	14266.7	14254.6	14254.6
7.5°	14375.3	14403.5	14419.6	14439.8	14492.1	14467.9	14451.8	14403.5	14383.4	14351.2	14351.2
10°	14419.6	14451.8	14504.2	14608.8	14729.6	14733.6	14685.3	14564.5	14472.0	14399.5	14387.4
12.5°	14282.8	14327.0	14435.7	14649.1	14918.8	15027.5	14951.0	14749.7	14568.6	14439.8	14419.6
15°	14109.7	14158.0	14323.0	14645.1	15043.6	15297.2	15289.2	15023.5	14733.6	14532.3	14500.1
17.5°	13839.9	13888.3	14125.8	14576.6	15140.2	15558.9	15671.6	15397.8	14991.3	14721.5	14677.3
20°	13352.8	13397.1	13727.2	14359.2	15172.4	15836.6	16130.5	15889.0	15381.7	15015.4	14947.0
22.5°	12720.8	12789.3	13175.7	13984.9	15095.9	16126.5	16653.8	16488.8	15836.6	15329.4	15236.8
25°	12044.5	12117.0	12567.9	13525.9	14898.7	16335.8	17273.8	17169.1	16351.9	15719.9	15591.1
27.5°	11460.8	11537.3	12028.4	13071.1	14592.7	16416.3	17885.7	17938.0	16975.9	16150.6	16013.8
30°	11001.9	11074.4	11597.7	12704.7	14198.2	16335.8	18421.1	18783.4	17611.9	16525.0	16327.8
32.5°	10498.7	10591.3	11142.8	12257.9	13731.3	16142.6	18888.0	19697.2	18348.6	16927.6	16678.0
35°	9862.7	9947.2	10526.9	11646.0	13119.4	15832.6	19278.5	20711.6	19403.3	17539.5	17261.7
37.5°	9089.8	9170.3	9745.9	10881.1	12511.5	15397.8	19576.4	21854.9	20659.3	18421.1	18050.7
40°	8312.8	8389.3	8928.7	10027.7	11782.9	14842.3	19681.1	22974.0	22100.4	19632.8	19238.2
42.5°	7600.3	7668.7	8163.9	9186.4	10965.7	14133.8	19544.2	23948.2	23392.6	20478.1	19970.9
45°	6944.1	7004.5	7443.3	8397.4	10116.3	13272.3	19133.6	24994.8	24930.4	21082.0	20397.6
47.5°	6195.4	6255.8	6710.6	7632.5	9266.9	12261.9	18437.2	26025.4	27068.0	22450.7	21661.6
50°	5281.6	5333.9	5800.9	6750.9	8385.3	11187.1	17471.0	26834.5	29765.1	24523.8	23533.5
52.5°	4198.7	4255.0	4709.9	5660.0	7338.6	10031.7	16198.9	27361.9	32880.9	27551.1	26331.3
55°	3123.9	3164.1	3558.6	4412.0	6042.4	8715.4	14604.8	27510.8	36415.4	31689.4	30163.7
57.5°	2266.4	2290.6	2544.2	3180.2	4581.1	7068.9	12668.5	27124.4	40622.1	36995.1	35074.9
60°	1835.7	1843.7	1920.2	2202.0	3184.2	5209.1	10329.6	25795.9	45187.1	43834.5	41415.2
62.5°	1666.6	1666.6	1686.7	1763.2	2153.7	3437.8	7499.7	23042.4	50082.2	52477.5	49236.9
65°	1549.8	1549.8	1557.9	1594.1	1698.8	2189.9	4734.1	18557.9	54208.5	62601.8	58503.8
67.5°	1445.2	1449.2	1445.2	1457.3	1517.6	1618.3	2745.4	12817.4	56430.6	73092.5	68668.3
70°	1336.5	1344.5	1324.4	1324.4	1372.7	1376.7	1718.9	7028.7	54586.9	81884.3	80720.9
72.5°	1207.7	1219.8	1187.5	1179.5	1215.7	1199.6	1292.2	3373.4	46865.8	84509.0	87568.4
75°	1095.0	1111.1	1038.6	1018.5	1018.5	1006.4	1050.7	1731.0	30417.3	68938.1	73736.6
77.5°	994.3	1026.5	909.8	845.4	829.3	793.0	857.4	1058.7	13304.5	32365.7	31693.4
80°	821.2	865.5	748.8	672.3	644.1	603.8	676.3	740.7	3957.1	7515.8	7197.7
82.5°	611.9	632.0	531.4	479.0	454.9	426.7	507.2	515.3	1288.2	2660.9	3007.1
85°	390.5	398.5	326.1	281.8	269.7	257.6	322.0	281.8	491.1	1956.4	2842.1
87.5°	136.9	157.0	124.8	112.7	120.8	100.6	148.9	84.5	136.9	1380.8	1710.9
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)