

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: P942963

Luminaire Tested: **GALN-SB7B-722-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942963
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-SB7B-722-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32727 lumens
Efficiency: N/A
Efficacy: 127.5 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): 256.7
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



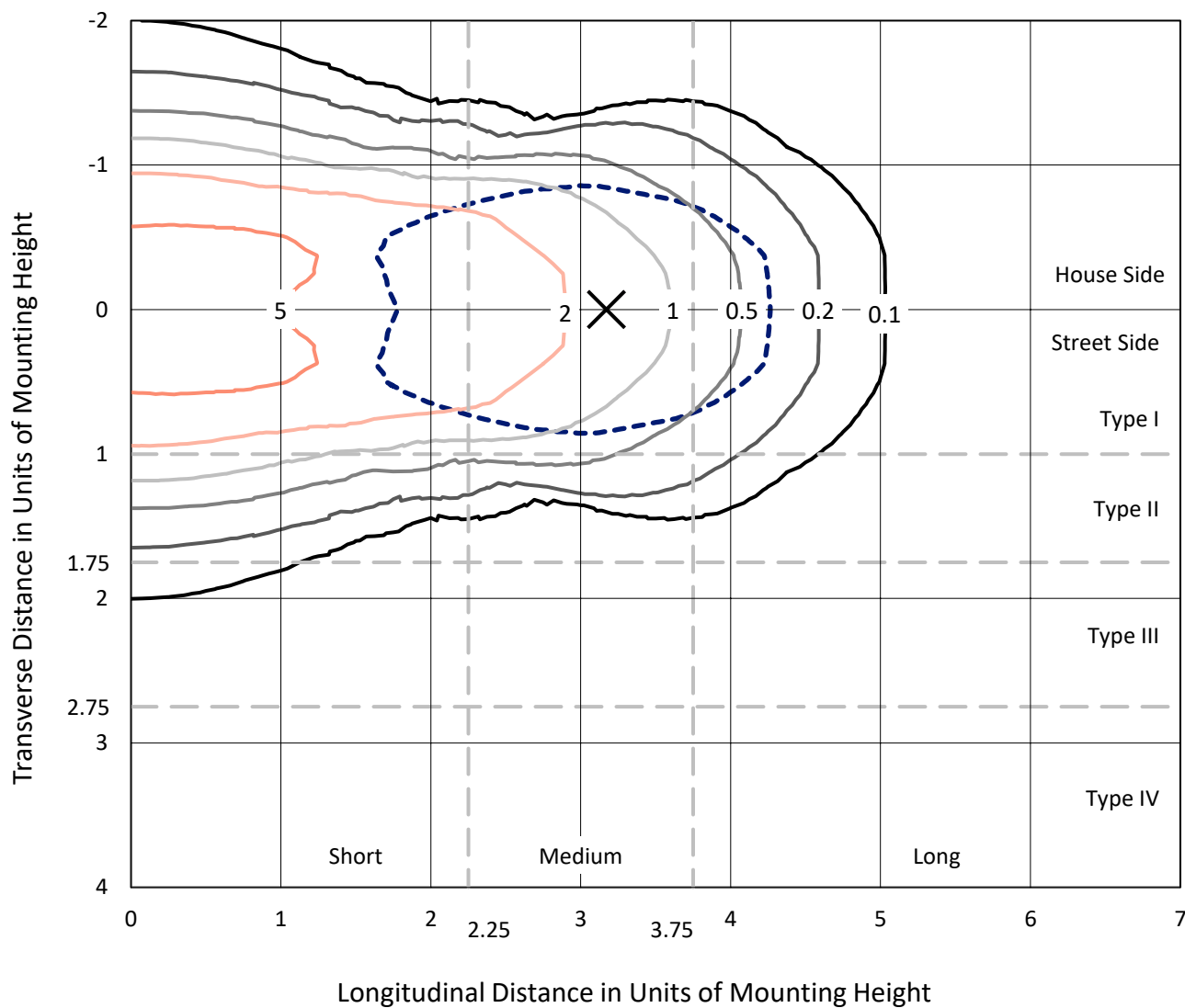
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

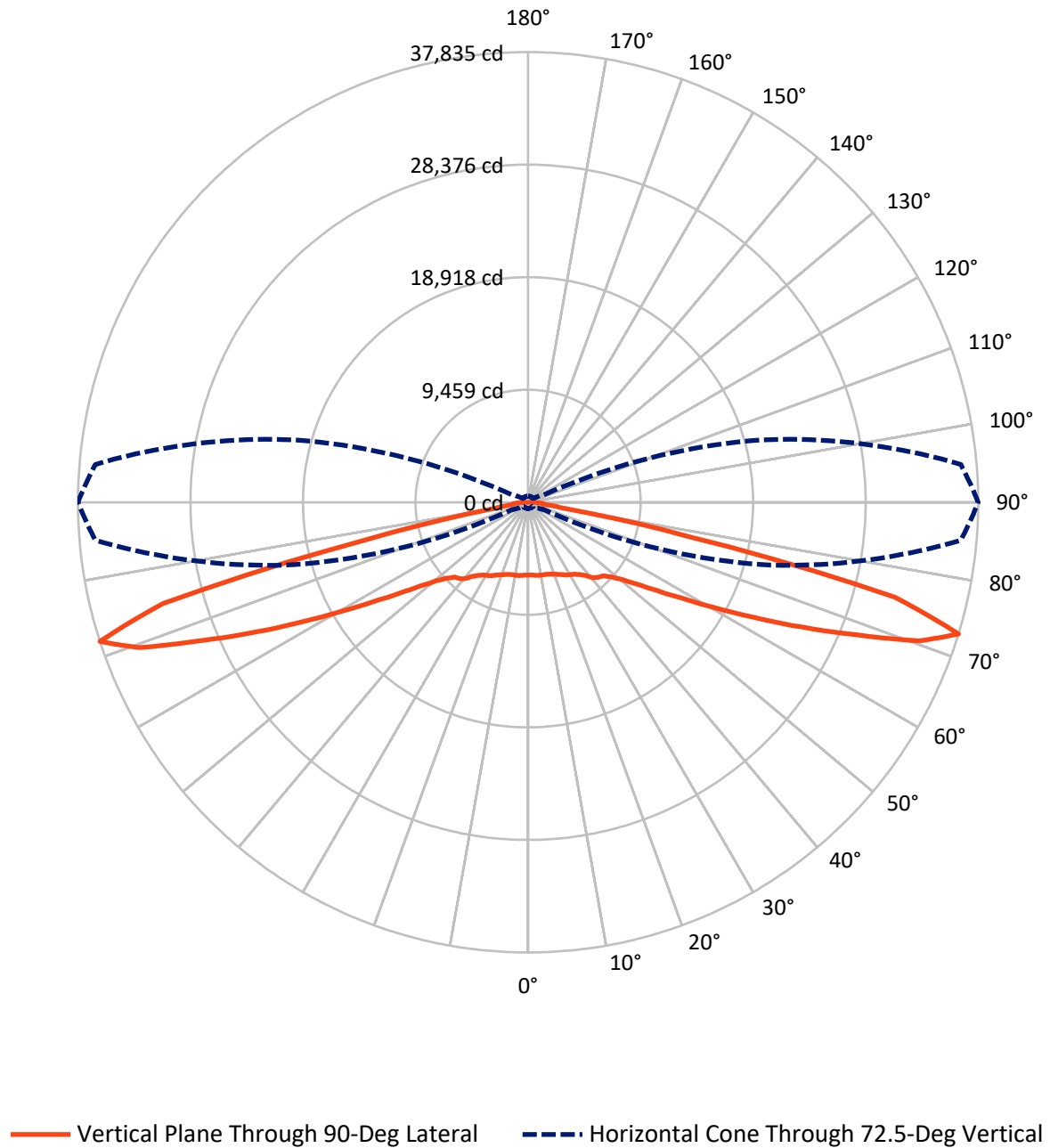


Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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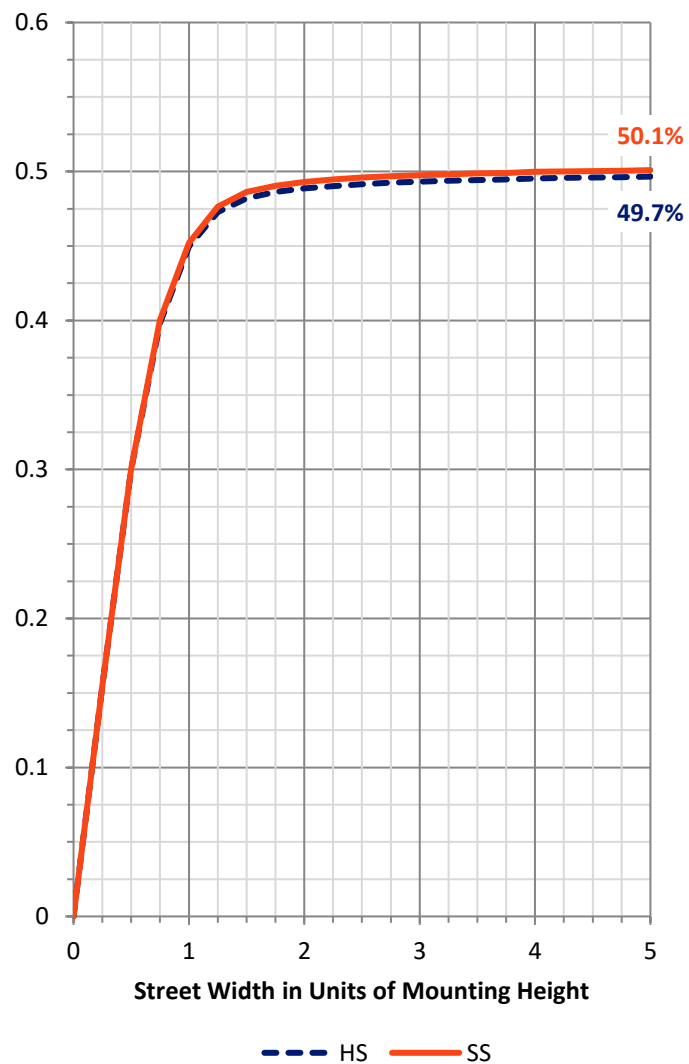
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16363.5	0.0	16363.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16363.5	0.0	16363.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32727.0	0.0	32727.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	593.0	1.8
10°-20°	1813.0	5.5
20°-30°	3023.1	9.2
30°-40°	4157.7	12.7
40°-50°	5077.7	15.5
50°-60°	5872.8	17.9
60°-70°	7002.4	21.4
70°-80°	4887.2	14.9
80°-90°	300.2	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°	32727.0	100.0
0°-180°	32727.0	100.0

Coefficient of Utilization



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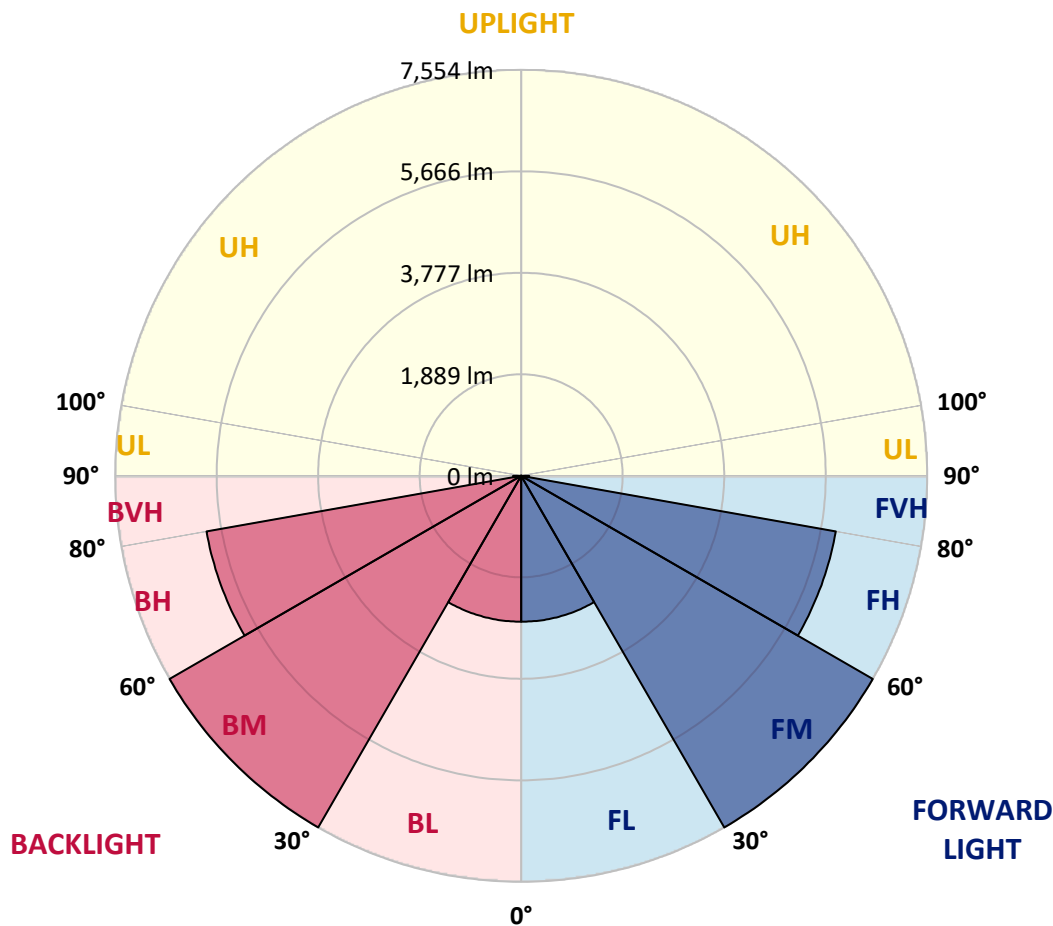
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2714.5	8.3			
FM	(30°-60°)	7554.1	23.1			
FH	(60°-80°)	5944.8	18.2			G3/7500
FVH	(80°-90°)	150.1	0.5			G2/225
BL	(0°-30°)	2714.5	8.3	B4/5000		
BM	(30°-60°)	7554.1	23.1	B4/8500		
BH	(60°-80°)	5944.8	18.2	B5		G5
BVH	(80°-90°)	150.1	0.5			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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4	6115.4
2.5°	6120.6	6127.6	6127.6	6122.3	6134.5	6124.1	6124.1	6118.9	6124.1	6118.9	6118.9
5°	6151.9	6160.6	6164.1	6162.3	6178.0	6169.3	6169.3	6162.3	6164.1	6158.9	6158.9
7.5°	6211.0	6223.2	6230.2	6238.9	6261.5	6251.1	6244.1	6223.2	6214.5	6200.6	6200.6
10°	6230.2	6244.1	6266.7	6311.9	6364.1	6365.8	6345.0	6292.8	6252.8	6221.5	6216.3
12.5°	6171.0	6190.2	6237.1	6329.3	6445.9	6492.8	6459.8	6372.8	6294.5	6238.9	6230.2
15°	6096.3	6117.1	6188.4	6327.6	6499.8	6609.3	6605.9	6491.1	6365.8	6278.9	6265.0
17.5°	5979.7	6000.6	6103.2	6298.0	6541.5	6722.4	6771.1	6652.8	6477.2	6360.6	6341.5
20°	5769.3	5788.4	5931.0	6204.1	6555.4	6842.4	6969.4	6865.0	6645.9	6487.6	6458.0
22.5°	5496.2	5525.8	5692.7	6042.3	6522.4	6967.6	7195.5	7124.2	6842.4	6623.3	6583.3
25°	5204.0	5235.3	5430.1	5844.1	6437.2	7058.1	7463.3	7418.1	7065.0	6792.0	6736.3
27.5°	4951.8	4984.8	5197.0	5647.5	6305.0	7092.9	7727.7	7750.3	7334.6	6978.1	6918.9
30°	4753.5	4784.8	5010.9	5489.2	6134.5	7058.1	7959.0	8115.6	7609.4	7139.8	7054.6
32.5°	4536.1	4576.1	4814.4	5296.2	5932.8	6974.6	8160.8	8510.4	7927.7	7313.8	7205.9
35°	4261.3	4297.8	4548.3	5031.8	5668.4	6840.7	8329.5	8948.7	8383.4	7578.1	7458.1
37.5°	3927.3	3962.1	4210.8	4701.3	5405.8	6652.8	8458.2	9442.7	8926.1	7959.0	7799.0
40°	3591.7	3624.7	3857.8	4332.6	5090.9	6412.8	8503.4	9926.2	9548.8	8482.6	8312.1
42.5°	3283.8	3313.4	3527.3	3969.1	4737.9	6106.7	8444.3	10347.1	10107.1	8847.8	8628.7
45°	3000.3	3026.4	3216.0	3628.2	4370.9	5734.5	8266.9	10799.3	10771.5	9108.7	8813.0
47.5°	2676.8	2702.9	2899.4	3297.7	4003.9	5297.9	7966.0	11244.6	11695.1	9700.1	9359.2
50°	2282.0	2304.6	2506.3	2916.8	3623.0	4833.5	7548.6	11594.2	12860.4	10595.8	10168.0
52.5°	1814.1	1838.4	2035.0	2445.5	3170.7	4334.3	6999.0	11822.0	14206.6	11903.8	11376.8
55°	1349.7	1367.1	1537.5	1906.3	2610.7	3765.6	6310.2	11886.4	15733.7	13691.8	13032.6
57.5°	979.2	989.7	1099.2	1374.0	1979.3	3054.2	5473.6	11719.4	17551.3	15984.2	15154.5
60°	793.1	796.6	829.6	951.4	1375.8	2250.7	4463.0	11145.4	19523.7	18939.3	17893.9
62.5°	720.1	720.1	728.8	761.8	930.5	1485.4	3240.3	9955.8	21638.7	22673.5	21273.4
65°	669.6	669.6	673.1	688.8	734.0	946.2	2045.4	8018.2	23421.4	27047.9	25277.3
67.5°	624.4	626.1	624.4	629.6	655.7	699.2	1186.2	5537.9	24381.5	31580.5	29669.0
70°	577.4	580.9	572.2	572.2	593.1	594.8	742.7	3036.8	23584.9	35379.1	34876.5
72.5°	521.8	527.0	513.1	509.6	525.3	518.3	558.3	1457.5	20249.0	36513.2	37835.0
75°	473.1	480.0	448.7	440.0	440.0	434.8	454.0	747.9	13142.2	29785.5	31858.8
77.5°	429.6	443.5	393.1	365.3	358.3	342.6	370.5	457.4	5748.4	13984.0	13693.5
80°	354.8	373.9	323.5	290.5	278.3	260.9	292.2	320.0	1709.7	3247.3	3109.9
82.5°	264.4	273.1	229.6	207.0	196.5	184.4	219.2	222.6	556.6	1149.7	1299.3
85°	168.7	172.2	140.9	121.8	116.5	111.3	139.1	121.8	212.2	845.3	1227.9
87.5°	59.1	67.8	53.9	48.7	52.2	43.5	64.4	36.5	59.1	596.6	739.2
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)