

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: P943143

Luminaire Tested: **GALN-SB7C-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943143
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-SB7C-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48870 lumens
Efficiency: N/A
Efficacy: 139.4 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): 350.5
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

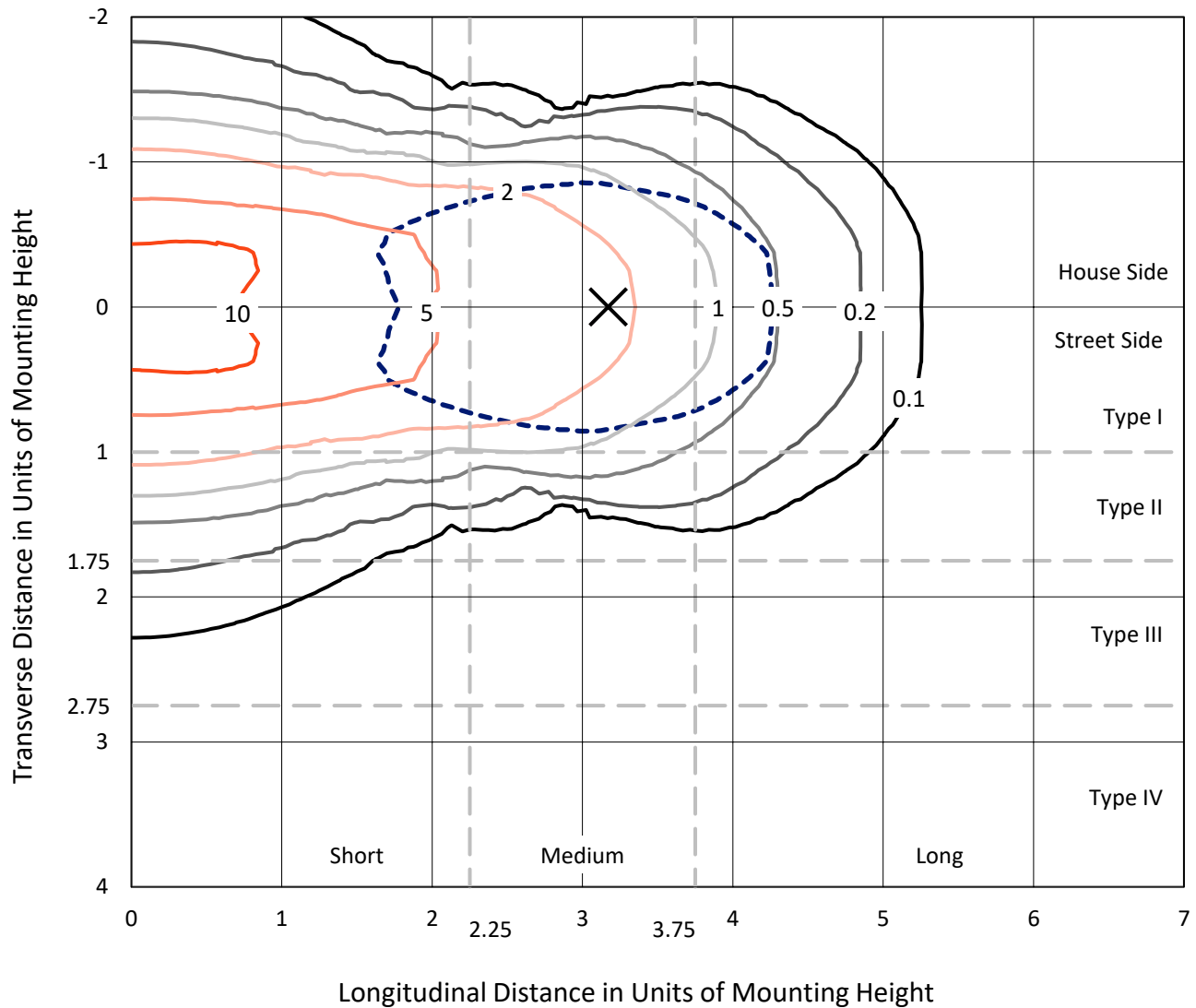


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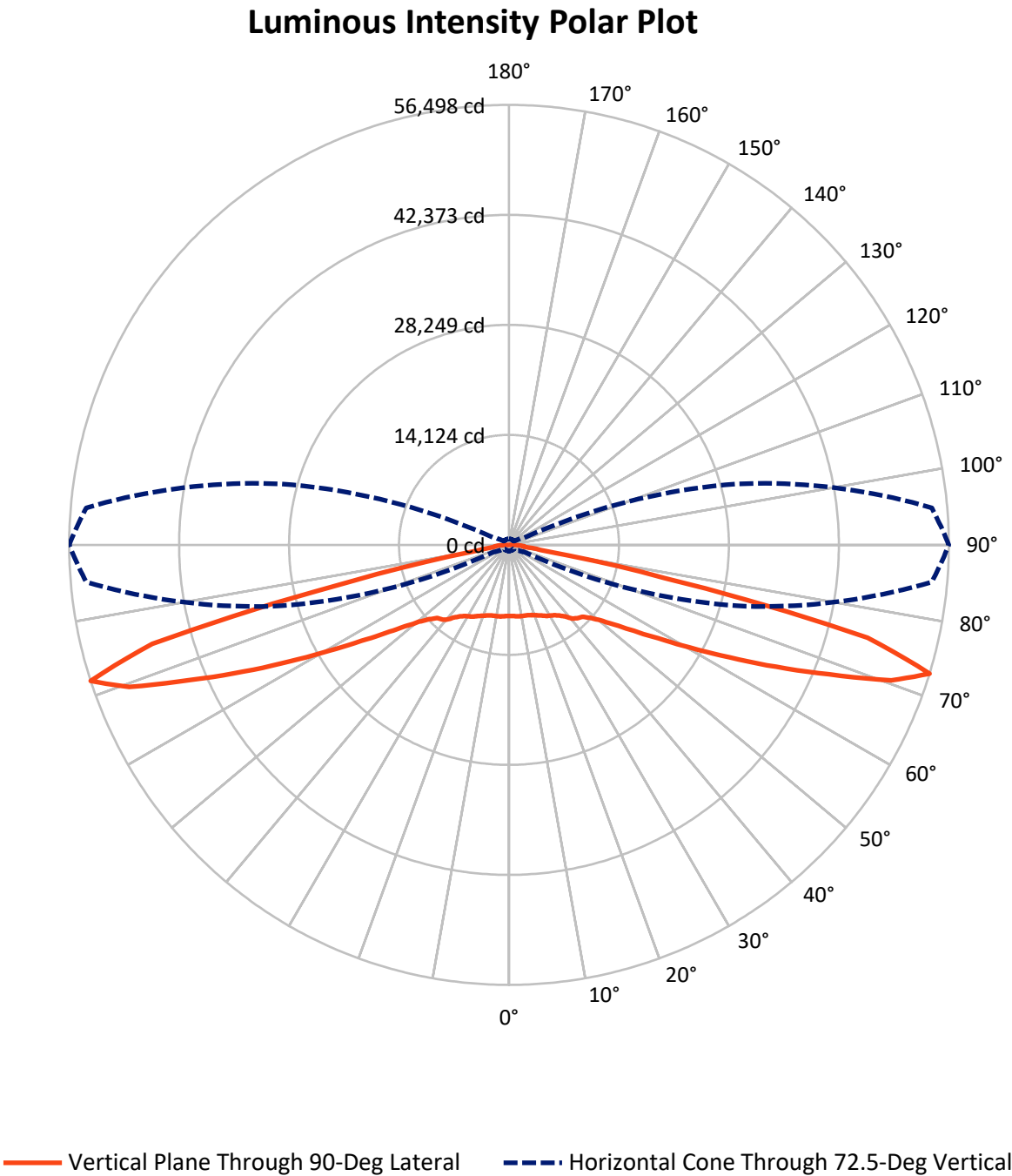
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
Type I - Short - N/A

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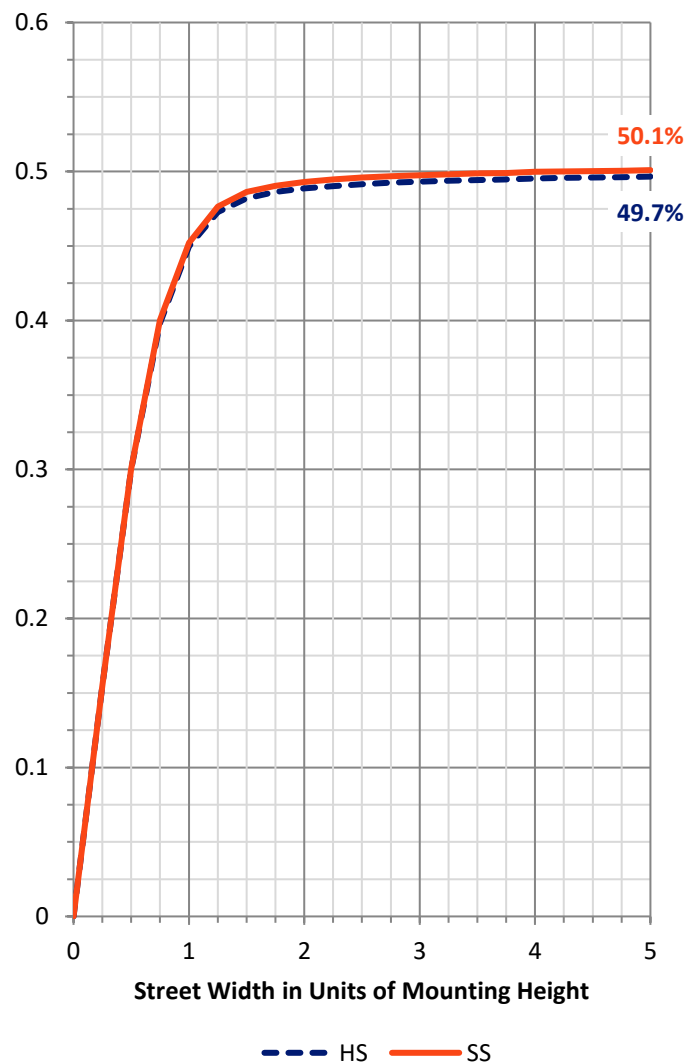
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24435.0	0.0	24435.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24435.0	0.0	24435.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	48870.0	0.0	48870.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	885.4	1.8
10°-20°	2707.3	5.5
20°-30°	4514.2	9.2
30°-40°	6208.5	12.7
40°-50°	7582.3	15.5
50°-60°	8769.7	17.9
60°-70°	10456.4	21.4
70°-80°	7297.9	14.9
80°-90°	448.2	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°	48870.0	100.0
0°-180°	48870.0	100.0

Coefficient of Utilization



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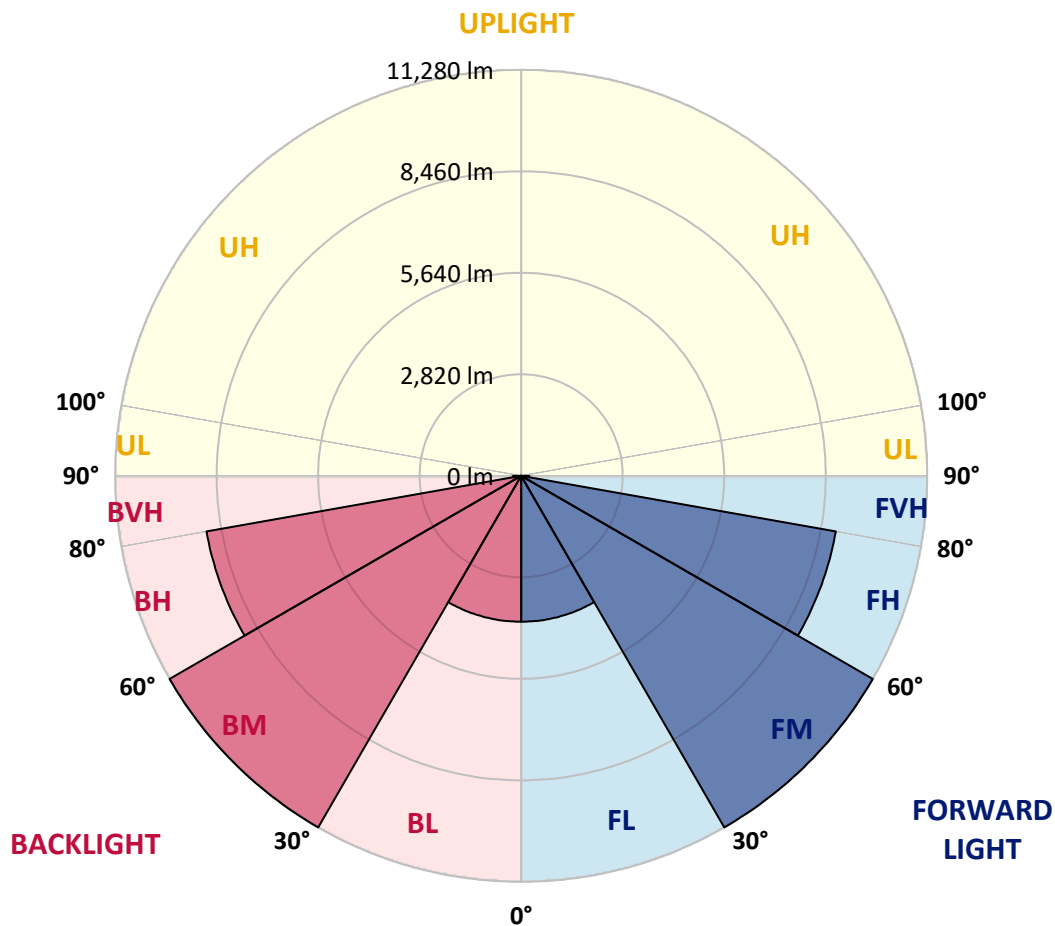
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4053.5	8.3			
FM	(30°-60°)	11280.2	23.1			
FH	(60°-80°)	8877.1	18.2			G4/12000
FVH	(80°-90°)	224.1	0.5			G2/225
BL	(0°-30°)	4053.5	8.3	B4/5000		
BM	(30°-60°)	11280.2	23.1	B5		
BH	(60°-80°)	8877.1	18.2	B5		G5
BVH	(80°-90°)	224.1	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°	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9	9131.9
2.5°	9139.7	9150.1	9150.1	9142.3	9160.4	9144.9	9144.9	9137.1	9144.9	9137.1	9137.1
5°	9186.4	9199.4	9204.6	9202.0	9225.4	9212.4	9212.4	9202.0	9204.6	9196.8	9196.8
7.5°	9274.7	9292.9	9303.3	9316.3	9350.0	9334.5	9324.1	9292.9	9279.9	9259.1	9259.1
10°	9303.3	9324.1	9357.8	9425.4	9503.3	9505.9	9474.7	9396.8	9337.1	9290.3	9282.5
12.5°	9215.0	9243.6	9313.7	9451.3	9625.3	9695.5	9646.1	9516.3	9399.4	9316.3	9303.3
15°	9103.3	9134.5	9241.0	9448.7	9705.9	9869.5	9864.3	9692.9	9505.9	9376.0	9355.2
17.5°	8929.3	8960.5	9113.7	9404.6	9768.2	10038.3	10111.0	9934.4	9672.1	9498.1	9469.5
20°	8615.0	8643.6	8856.6	9264.3	9789.0	10217.5	10407.1	10251.3	9924.0	9687.7	9643.5
22.5°	8207.3	8251.4	8500.7	9022.8	9739.6	10404.5	10744.8	10638.3	10217.5	9890.3	9830.5
25°	7770.9	7817.7	8108.6	8726.7	9612.4	10539.6	11144.7	11077.2	10550.0	10142.2	10059.1
27.5°	7394.3	7443.7	7760.5	8433.2	9415.0	10591.5	11539.5	11573.3	10952.5	10420.1	10331.8
30°	7098.2	7145.0	7482.6	8196.9	9160.4	10539.6	11884.9	12118.7	11362.9	10661.6	10534.4
32.5°	6773.6	6833.3	7189.1	7908.6	8859.2	10414.9	12186.2	12708.3	11838.2	10921.4	10760.3
35°	6363.2	6417.8	6791.8	7513.8	8464.4	10214.9	12438.2	13362.8	12518.7	11316.1	11136.9
37.5°	5864.6	5916.5	6287.9	7020.3	8072.2	9934.4	12630.3	14100.4	13329.0	11884.9	11646.0
40°	5363.3	5412.6	5760.7	6469.7	7602.1	9576.0	12697.9	14822.4	14258.8	12666.7	12412.2
42.5°	4903.6	4947.7	5267.2	5926.9	7074.9	9118.9	12609.6	15450.9	15092.5	13212.1	12884.9
45°	4480.2	4519.2	4802.3	5417.8	6526.8	8563.1	12344.7	16126.2	16084.7	13601.7	13160.2
47.5°	3997.1	4036.1	4329.6	4924.4	5978.8	7911.2	11895.3	16791.1	17463.8	14484.8	13975.7
50°	3407.6	3441.3	3742.6	4355.6	5410.0	7217.7	11272.0	17313.2	19203.9	15822.4	15183.4
52.5°	2708.9	2745.3	3038.8	3651.7	4734.8	6472.3	10451.3	17653.4	21214.2	17775.5	16988.5
55°	2015.5	2041.4	2296.0	2846.6	3898.4	5623.0	9422.8	17749.5	23494.6	20445.4	19461.1
57.5°	1462.2	1477.8	1641.5	2051.8	2955.7	4560.7	8173.5	17500.2	26208.7	23868.6	22629.7
60°	1184.3	1189.5	1238.9	1420.7	2054.4	3360.8	6664.5	16643.1	29154.0	28281.3	26720.3
62.5°	1075.3	1075.3	1088.2	1137.6	1389.5	2218.0	4838.6	14866.6	32312.2	33857.5	31766.8
65°	999.9	999.9	1005.1	1028.5	1096.0	1412.9	3054.3	11973.2	34974.4	40389.6	37745.6
67.5°	932.4	935.0	932.4	940.2	979.2	1044.1	1771.3	8269.6	36408.0	47158.0	44303.6
70°	862.3	867.5	854.5	854.5	885.7	888.3	1109.0	4534.8	35218.5	52830.3	52079.7
72.5°	779.2	787.0	766.2	761.0	784.4	774.0	833.7	2176.5	30237.0	54523.7	56497.6
75°	706.4	716.8	670.1	657.1	657.1	649.3	677.9	1116.8	19624.7	44477.6	47573.5
77.5°	641.5	662.3	587.0	545.4	535.0	511.7	553.2	683.1	8583.9	20881.8	20448.0
80°	529.8	558.4	483.1	433.7	415.6	389.6	436.3	477.9	2553.1	4849.0	4643.9
82.5°	394.8	407.8	342.8	309.1	293.5	275.3	327.3	332.4	831.1	1716.8	1940.1
85°	251.9	257.1	210.4	181.8	174.0	166.2	207.8	181.8	316.9	1262.3	1833.6
87.5°	88.3	101.3	80.5	72.7	77.9	64.9	96.1	54.5	88.3	890.9	1103.8
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)