

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: P954494

Luminaire Tested: **GALN-SB7D-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7D-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 69122 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
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

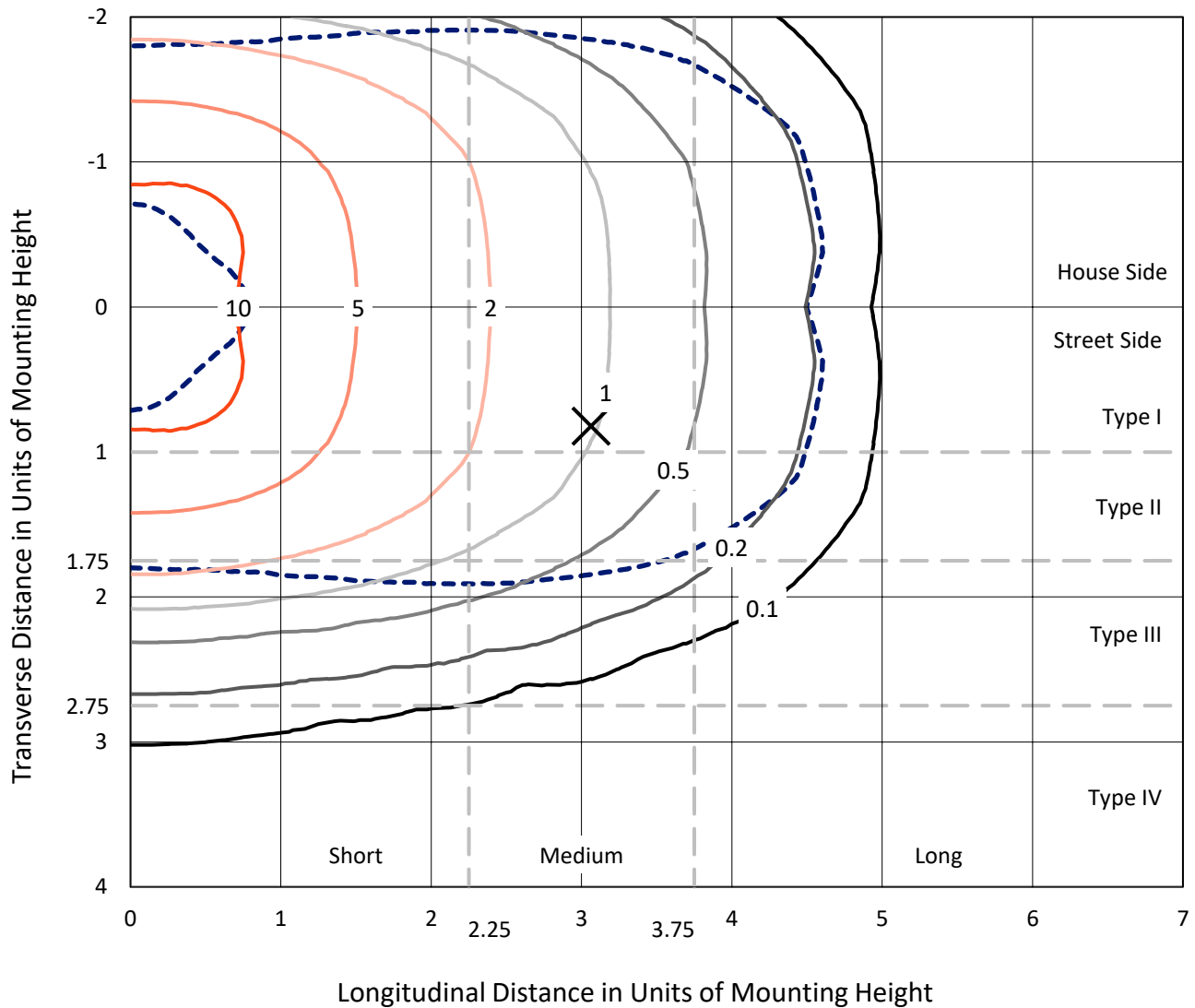


REPORT NUMBER: P954494

CATALOG NUMBER: GALN-SB7D-727-U-RW

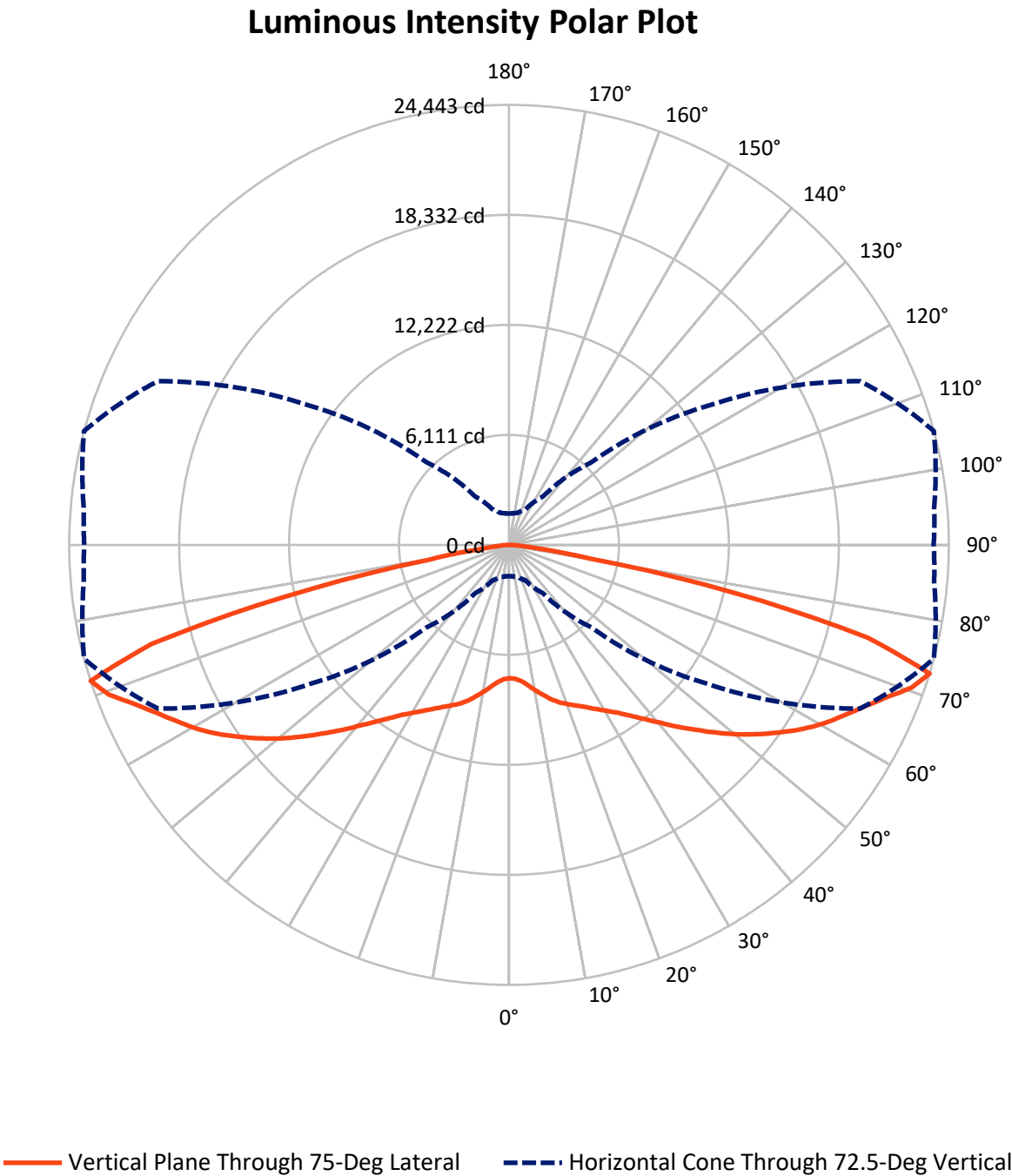
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc
Type III - Medium - N/A

REPORT NUMBER: P954494
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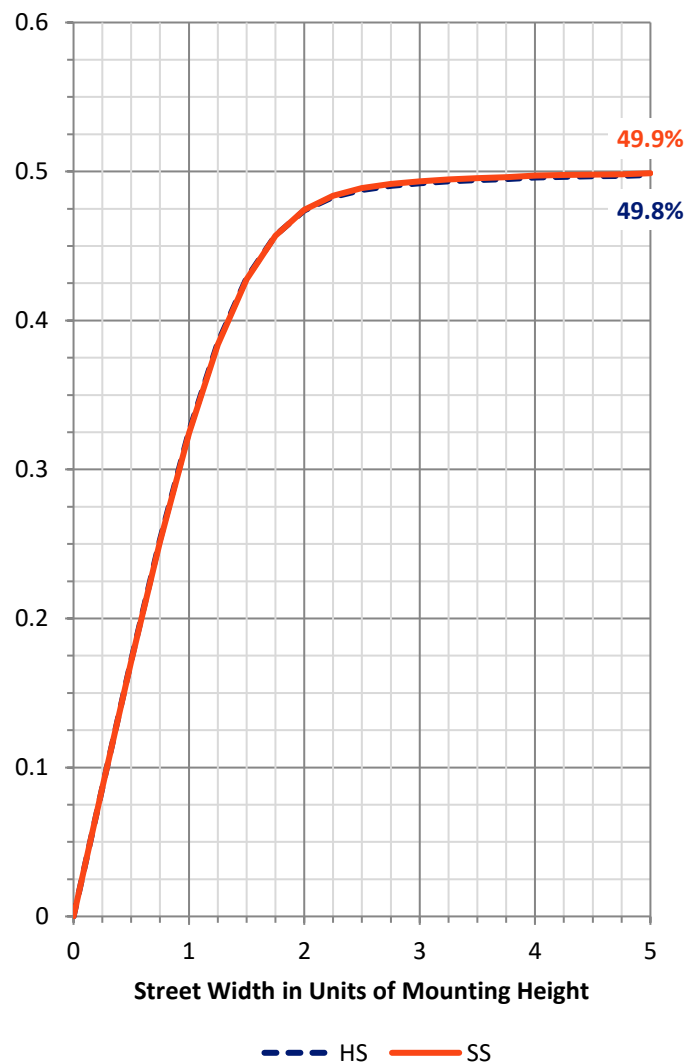
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	34561.0	0.0	34561.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	34561.0	0.0	34561.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	69122.0	0.0	69122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.3	1.0
10°-20°	2392.2	3.5
20°-30°	4622.4	6.7
30°-40°	7805.3	11.3
40°-50°	12378.3	17.9
50°-60°	16573.1	24.0
60°-70°	15772.2	22.8
70°-80°	8230.2	11.9
80°-90°	623.0	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°	69122.0	100.0
0°-180°	69122.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954494

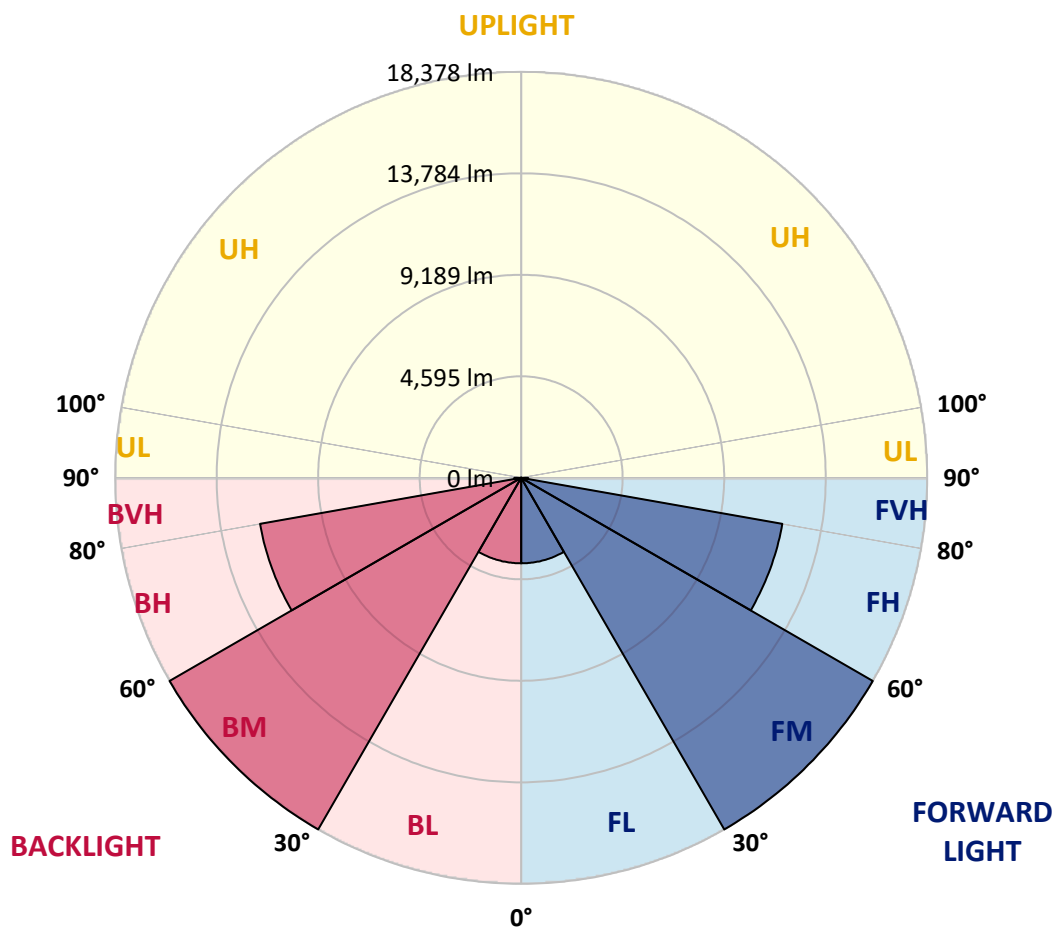
CATALOG NUMBER: GALN-SB7D-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3870.0	5.6			
FM	(30°-60°)	18378.3	26.6			
FH	(60°-80°)	12001.2	17.4			G5
FVH	(80°-90°)	311.5	0.5			G3/500
BL	(0°-30°)	3870.0	5.6	B4/5000		
BM	(30°-60°)	18378.3	26.6	B5		
BH	(60°-80°)	12001.2	17.4	B5		G5
BVH	(80°-90°)	311.5	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2	7404.2
2.5°	7404.2	7397.1	7404.2	7411.3	7407.7	7407.7	7425.4	7436.0	7457.1	7453.6	7450.1
5°	7354.8	7351.3	7379.5	7411.3	7436.0	7478.3	7531.3	7570.1	7619.5	7630.1	7630.1
7.5°	7330.1	7319.5	7368.9	7425.4	7503.0	7608.9	7711.2	7817.1	7901.8	7930.1	7937.1
10°	7347.7	7351.3	7418.3	7524.2	7647.7	7795.9	7940.6	8120.6	8240.6	8268.9	8297.1
12.5°	7428.9	7421.8	7534.8	7704.2	7873.6	8060.6	8230.0	8427.7	8558.2	8625.3	8653.5
15°	7577.1	7563.0	7721.8	7972.4	8219.4	8438.3	8575.9	8762.9	8914.7	8999.4	9031.2
17.5°	7753.6	7760.6	7968.9	8293.6	8618.2	8865.3	8995.9	9091.1	9207.6	9281.7	9317.0
20°	8064.2	8078.3	8311.2	8695.9	9066.4	9348.8	9454.7	9419.4	9451.1	9507.6	9549.9
22.5°	8480.6	8487.7	8748.8	9165.3	9553.5	9864.0	9934.6	9789.9	9701.7	9740.5	9768.7
25°	8964.1	9010.0	9271.1	9698.2	10097.0	10393.4	10425.2	10206.4	9987.6	9998.1	10015.8
27.5°	9553.5	9595.8	9860.5	10284.0	10689.9	10947.5	10944.0	10651.0	10329.9	10248.7	10273.4
30°	10192.2	10238.1	10509.9	10947.5	11325.1	11551.0	11501.6	11152.2	10693.4	10541.6	10559.3
32.5°	10951.0	10979.3	11254.5	11692.1	12041.5	12221.5	12119.2	11688.6	11116.9	10944.0	10986.3
35°	11868.6	11911.0	12115.6	12528.6	12835.6	12983.8	12810.9	12302.7	11660.4	11466.3	11494.5
37.5°	12916.8	12888.5	13121.5	13488.5	13742.6	13834.4	13597.9	12994.4	12281.5	12052.1	12094.5
40°	14010.8	13996.7	14250.8	14603.7	14741.4	14797.8	14448.4	13788.5	12997.9	12750.9	12832.1
42.5°	15002.5	14991.9	15334.3	15726.0	15891.9	15828.3	15387.2	14631.9	13827.3	13545.0	13615.5
45°	15796.6	15782.5	16202.4	16753.0	17077.7	16971.8	16378.9	15563.7	14667.2	14374.3	14441.4
47.5°	16407.1	16414.2	16865.9	17547.0	18115.2	18154.1	17391.8	16513.0	15591.9	15260.1	15359.0
50°	16848.3	16869.4	17352.9	18108.2	18884.6	19226.9	18425.8	17487.0	16548.3	16174.2	16287.1
52.5°	16957.7	16996.5	17578.8	18464.6	19378.7	20031.6	19477.5	18422.3	17455.3	17098.8	17190.6
55°	16375.4	16453.0	17190.6	18436.4	19682.2	20561.0	20402.1	19371.6	18369.3	18002.3	18104.7
57.5°	15037.8	15147.2	16008.3	17635.3	19615.1	20924.5	21118.6	20282.2	19283.4	18930.5	19011.7
60°	13163.8	13294.4	14120.2	15895.4	18669.3	21058.6	21623.2	21168.0	20123.3	19781.0	19855.1
62.5°	10336.9	10506.3	11494.5	13576.7	16671.8	20433.9	22053.8	21969.1	20878.6	20451.6	20501.0
65°	6631.3	6811.3	7852.4	10312.2	14007.3	18521.1	22187.9	22749.0	21676.2	21079.7	21153.9
67.5°	3998.6	4079.7	4595.0	6250.2	10238.1	15637.8	21051.5	23613.7	22607.9	21866.8	21923.2
70°	2558.6	2604.5	2911.6	3670.3	5787.8	11409.8	18235.2	23776.0	23737.2	22674.9	22667.9
72.5°	1736.4	1750.5	1831.6	2174.0	3275.1	6483.1	13449.7	21524.4	24443.0	23716.0	23603.1
75°	1270.5	1348.1	1478.7	1538.7	1859.9	3239.8	7707.7	15122.5	20599.8	20917.4	20148.0
77.5°	945.8	949.3	1129.3	1199.9	1327.0	1725.8	3261.0	8441.8	12789.7	13428.5	11978.0
80°	801.1	758.8	755.2	967.0	998.8	1076.4	1457.5	2915.1	4580.9	2777.5	2099.9
82.5°	667.0	621.1	561.1	755.2	681.1	660.0	631.7	1185.8	1457.5	716.4	610.5
85°	465.9	444.7	423.5	494.1	388.2	331.7	303.5	554.1	614.1	303.5	268.2
87.5°	201.2	208.2	211.8	218.8	162.3	116.5	116.5	155.3	155.3	120.0	88.2
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)