

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: P955922

Luminaire Tested: **GALN-SB8D-727-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955922
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-SB8D-727-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 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: 78593 lumens
Efficiency: N/A
Efficacy: 134.4 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

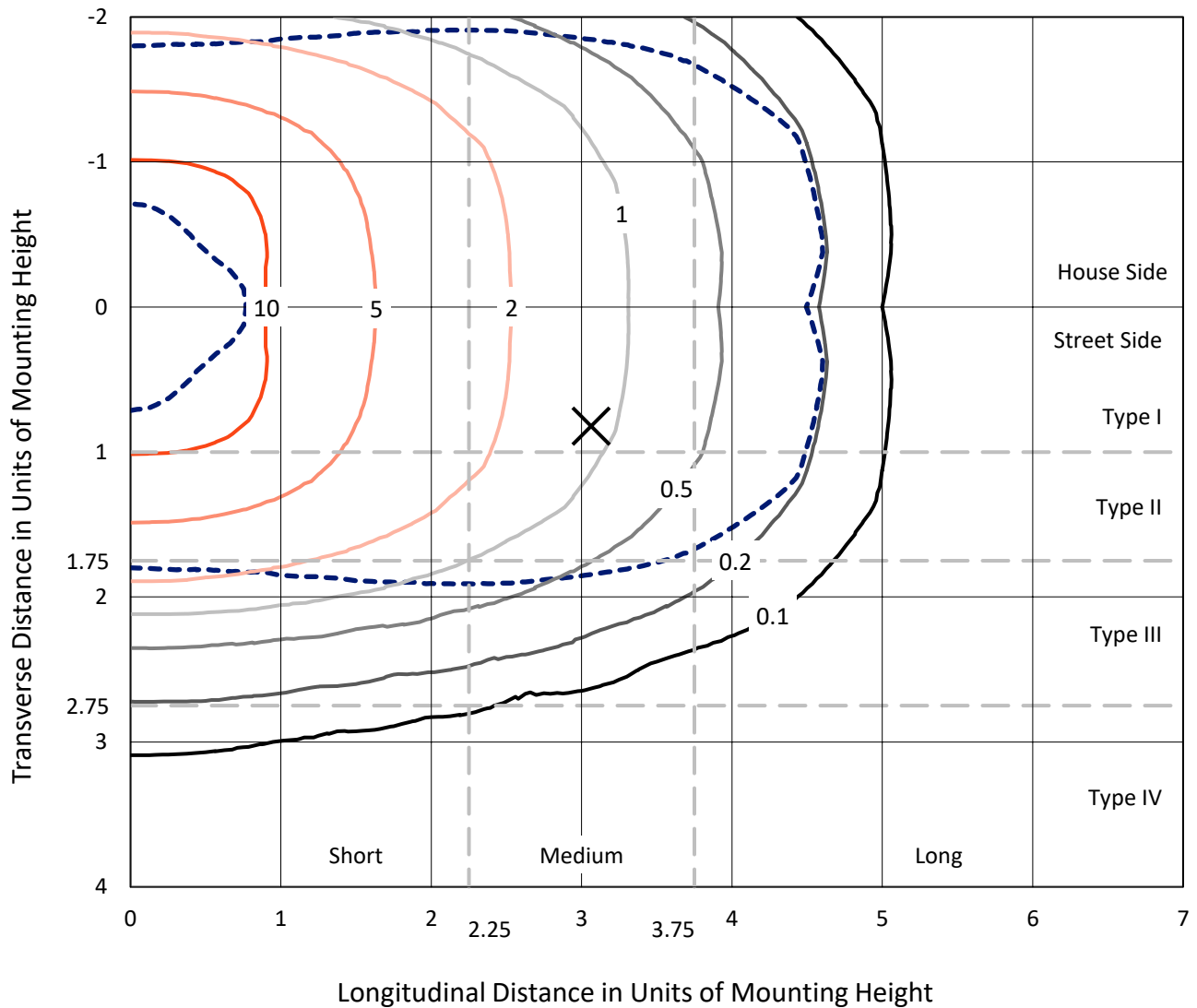
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955922
 CATALOG NUMBER: GALN-SB8D-727-U-RW

Iso-Footcandle Lines of Horizontal Illumination

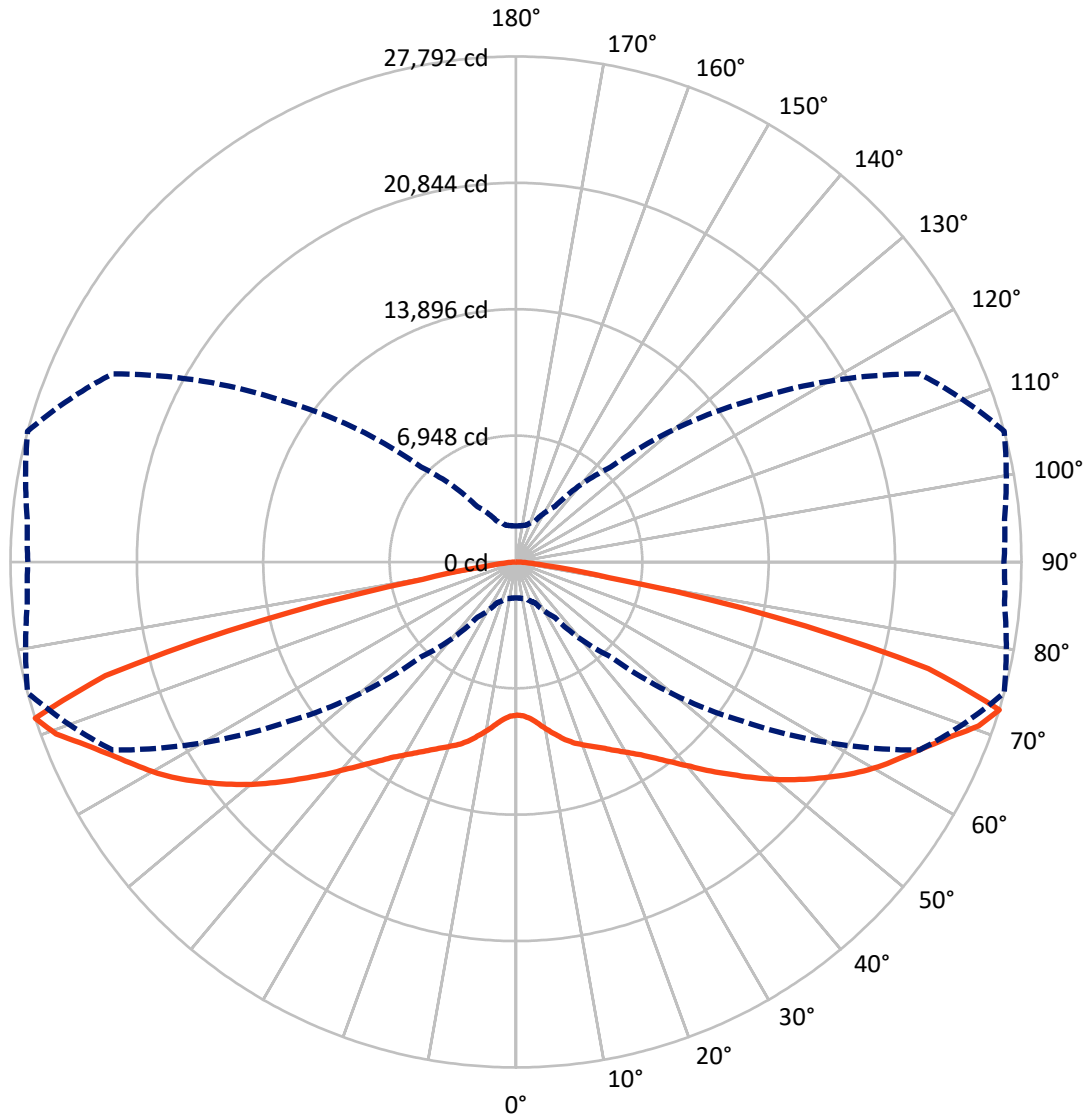
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P955922
CATALOG NUMBER: GALN-SB8D-727-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P955922

CATALOG NUMBER: GALN-SB8D-727-U-RW

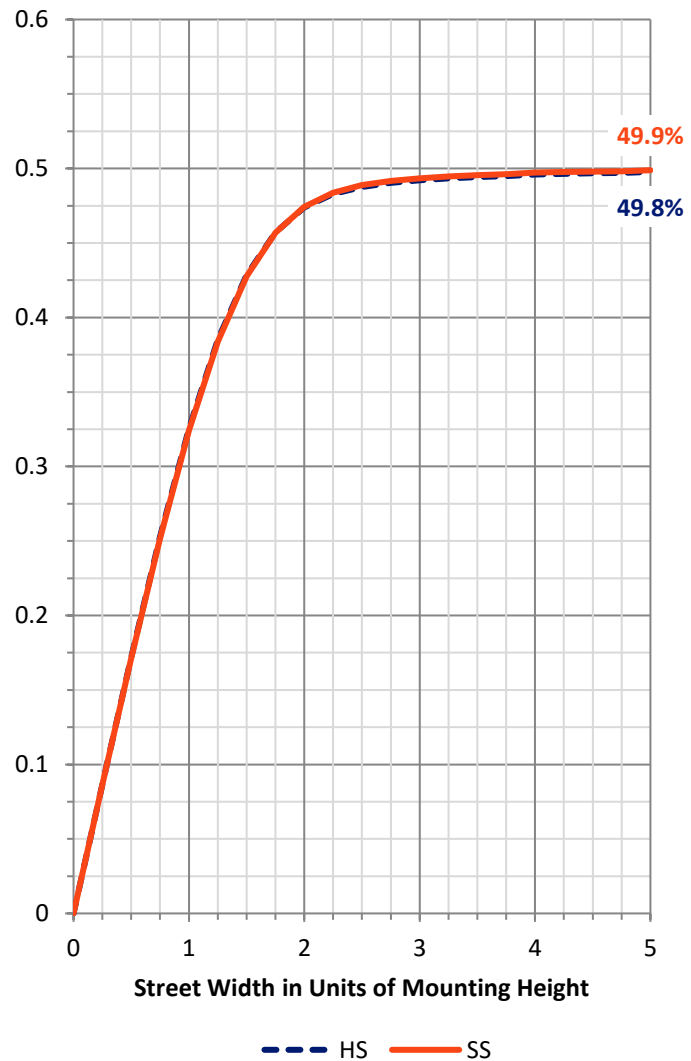
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	39296.5	0.0	39296.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	39296.5	0.0	39296.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	78593.0	0.0	78593.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.7	1.0
10°-20°	2720.0	3.5
20°-30°	5255.8	6.7
30°-40°	8874.7	11.3
40°-50°	14074.3	17.9
50°-60°	18843.9	24.0
60°-70°	17933.3	22.8
70°-80°	9357.9	11.9
80°-90°	708.4	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°	78593.0	100.0
0°-180°	78593.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955922

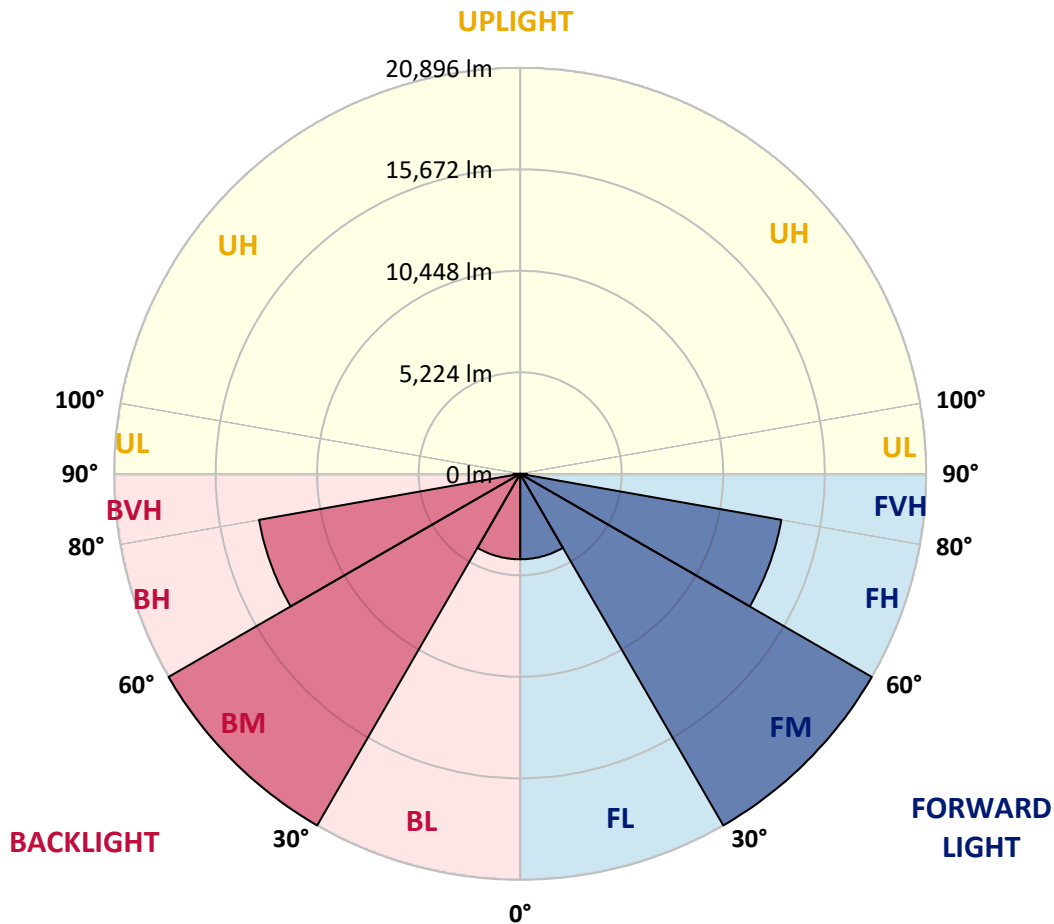
CATALOG NUMBER: GALN-SB8D-727-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4400.2	5.6			
FM (30°-60°)	20896.5	26.6			
FH (60°-80°)	13645.6	17.4			G5
FVH (80°-90°)	354.2	0.5			G3/500
BL (0°-30°)	4400.2	5.6	B4/5000		
BM (30°-60°)	20896.5	26.6	B5		
BH (60°-80°)	13645.6	17.4	B5		G5
BVH (80°-90°)	354.2	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



REPORT NUMBER: P955922
 CATALOG NUMBER: GALN-SB8D-727-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7	8418.7
2.5°	8418.7	8410.7	8418.7	8426.7	8422.7	8422.7	8442.8	8454.8	8478.9	8474.9	8470.9
5°	8362.5	8358.5	8390.6	8426.7	8454.8	8503.0	8563.2	8607.3	8663.5	8675.5	8675.5
7.5°	8334.4	8322.4	8378.6	8442.8	8531.1	8651.5	8767.8	8888.2	8984.5	9016.6	9024.6
10°	8354.5	8358.5	8434.8	8555.2	8695.6	8864.1	9028.7	9233.3	9369.7	9401.8	9433.9
12.5°	8446.8	8438.8	8567.2	8759.8	8952.4	9165.1	9357.7	9582.4	9730.9	9807.1	9839.2
15°	8615.3	8599.3	8779.9	9064.8	9345.7	9594.4	9750.9	9963.6	10136.2	10232.5	10268.6
17.5°	8816.0	8824.0	9060.8	9429.9	9799.1	10080.0	10228.5	10336.8	10469.2	10553.5	10593.6
20°	9169.1	9185.1	9450.0	9887.4	10308.7	10629.7	10750.1	10710.0	10746.1	10810.3	10858.5
22.5°	9642.6	9650.6	9947.6	10421.1	10862.5	11215.6	11295.8	11131.3	11031.0	11075.1	11107.2
25°	10192.3	10244.5	10541.5	11027.0	11480.4	11817.5	11853.6	11604.8	11356.0	11368.1	11388.1
27.5°	10862.5	10910.6	11211.6	11693.1	12154.6	12447.5	12443.5	12110.4	11745.3	11653.0	11681.1
30°	11588.8	11640.9	11949.9	12447.5	12876.9	13133.7	13077.5	12680.2	12158.6	11986.0	12006.1
32.5°	12451.5	12483.6	12796.6	13294.2	13691.5	13896.1	13779.7	13290.2	12640.1	12443.5	12491.6
35°	13494.8	13543.0	13775.7	14245.2	14594.3	14762.9	14566.2	13988.4	13258.1	13037.4	13069.5
37.5°	14686.6	14654.5	14919.3	15336.7	15625.6	15729.9	15461.1	14774.9	13964.3	13703.5	13751.6
40°	15930.6	15914.5	16203.4	16604.7	16761.2	16825.4	16428.1	15677.8	14778.9	14498.0	14590.3
42.5°	17058.1	17046.1	17435.3	17880.7	18069.3	17997.1	17495.5	16636.8	15721.9	15400.9	15481.1
45°	17961.0	17944.9	18422.5	19048.5	19417.6	19297.2	18623.1	17696.2	16676.9	16343.9	16420.1
47.5°	18655.2	18663.2	19176.9	19951.3	20597.4	20641.5	19774.8	18775.6	17728.3	17351.1	17463.4
50°	19156.8	19180.9	19730.6	20589.3	21472.1	21861.4	20950.5	19883.1	18815.7	18390.4	18518.8
52.5°	19281.2	19325.3	19987.4	20994.6	22033.9	22776.3	22146.3	20946.5	19847.0	19441.7	19546.0
55°	18619.1	18707.4	19546.0	20962.5	22379.0	23378.2	23197.6	22025.9	20886.3	20469.0	20585.3
57.5°	17098.3	17222.7	18201.8	20051.6	22302.8	23791.5	24012.2	23061.2	21925.6	21524.3	21616.6
60°	14967.5	15116.0	16055.0	18073.4	21227.4	23944.0	24586.0	24068.4	22880.6	22491.4	22575.6
62.5°	11753.3	11945.9	13069.5	15437.0	18956.2	23233.7	25075.6	24979.3	23739.3	23253.8	23310.0
65°	7539.9	7744.6	8928.3	11725.2	15926.5	21058.8	25228.1	25866.1	24646.2	23968.1	24052.3
67.5°	4546.4	4638.7	5224.6	7106.6	11640.9	17780.4	23936.0	26849.2	25705.6	24862.9	24927.1
70°	2909.2	2961.4	3310.5	4173.2	6580.9	12973.2	20733.8	27033.8	26989.7	25781.8	25773.8
72.5°	1974.3	1990.3	2082.6	2471.8	3723.8	7371.4	15292.5	24473.7	27792.2	26965.6	26837.2
75°	1444.6	1532.9	1681.3	1749.6	2114.7	3683.7	8763.8	17194.6	23422.3	23783.5	22908.7
77.5°	1075.4	1079.4	1284.1	1364.3	1508.8	1962.2	3707.8	9598.5	14542.2	15268.5	13619.2
80°	910.9	862.7	858.7	1099.5	1135.6	1223.9	1657.3	3314.5	5208.5	3158.0	2387.6
82.5°	758.4	706.2	638.0	858.7	774.5	750.4	718.3	1348.3	1657.3	814.6	694.2
85°	529.7	505.6	481.5	561.8	441.4	377.2	345.1	630.0	698.2	345.1	305.0
87.5°	228.7	236.8	240.8	248.8	184.6	132.4	132.4	176.6	176.6	136.4	100.3
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)