

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: P942973

Luminaire Tested: **GALN-SB7B-727-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942973
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-727-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36746 lumens
Efficiency: N/A
Efficacy: 143.1 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): 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



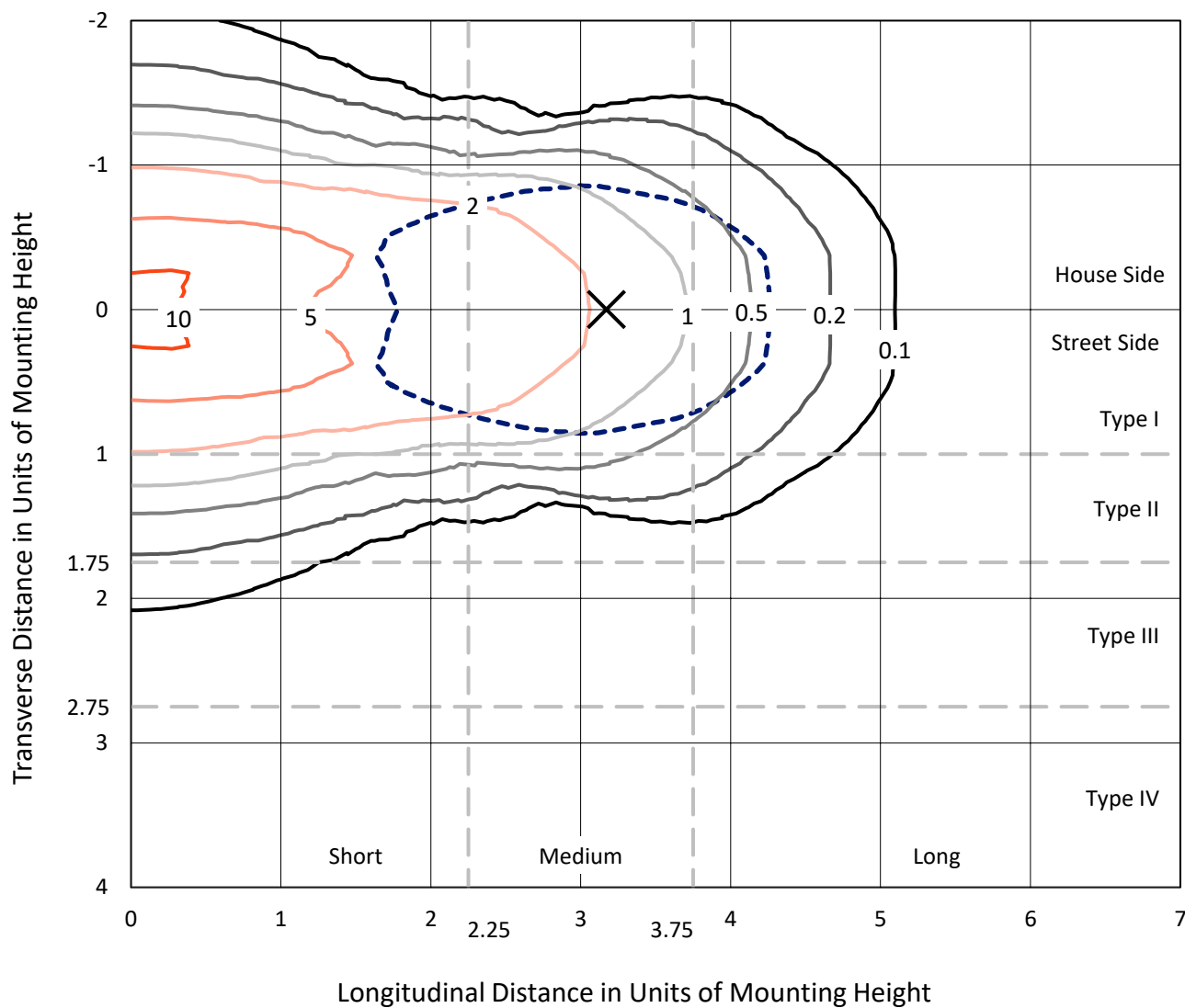
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Iso-Footcandle Lines of Horizontal Illumination

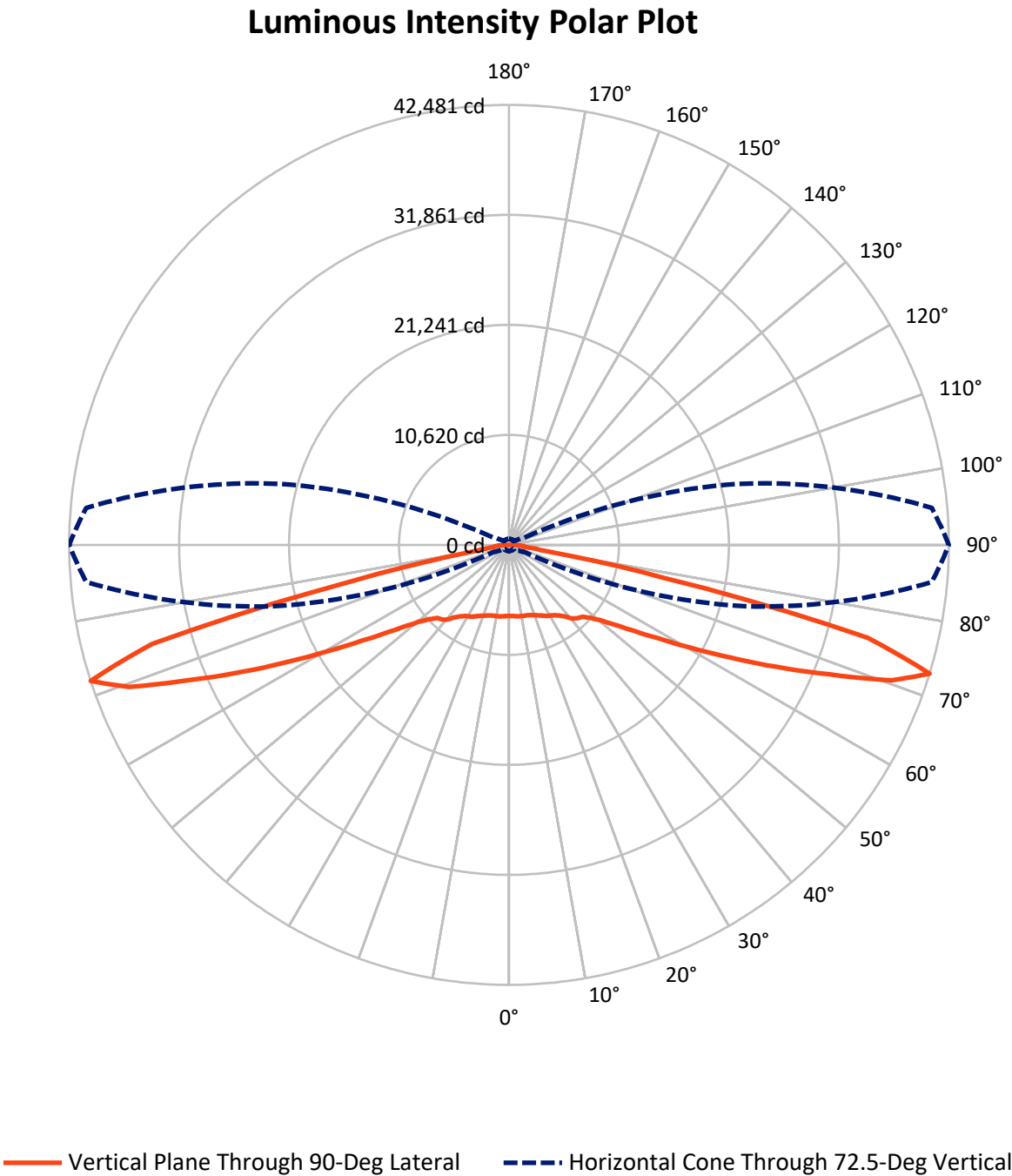
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
Type I - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18373.0	0.0	18373.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18373.0	0.0	18373.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36746.0	0.0	36746.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	665.8	1.8
10°-20°	2035.7	5.5
20°-30°	3394.3	9.2
30°-40°	4668.2	12.7
40°-50°	5701.2	15.5
50°-60°	6594.0	17.9
60°-70°	7862.3	21.4
70°-80°	5487.4	14.9
80°-90°	337.0	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°	36746.0	100.0
0°-180°	36746.0	100.0

Coefficient of Utilization



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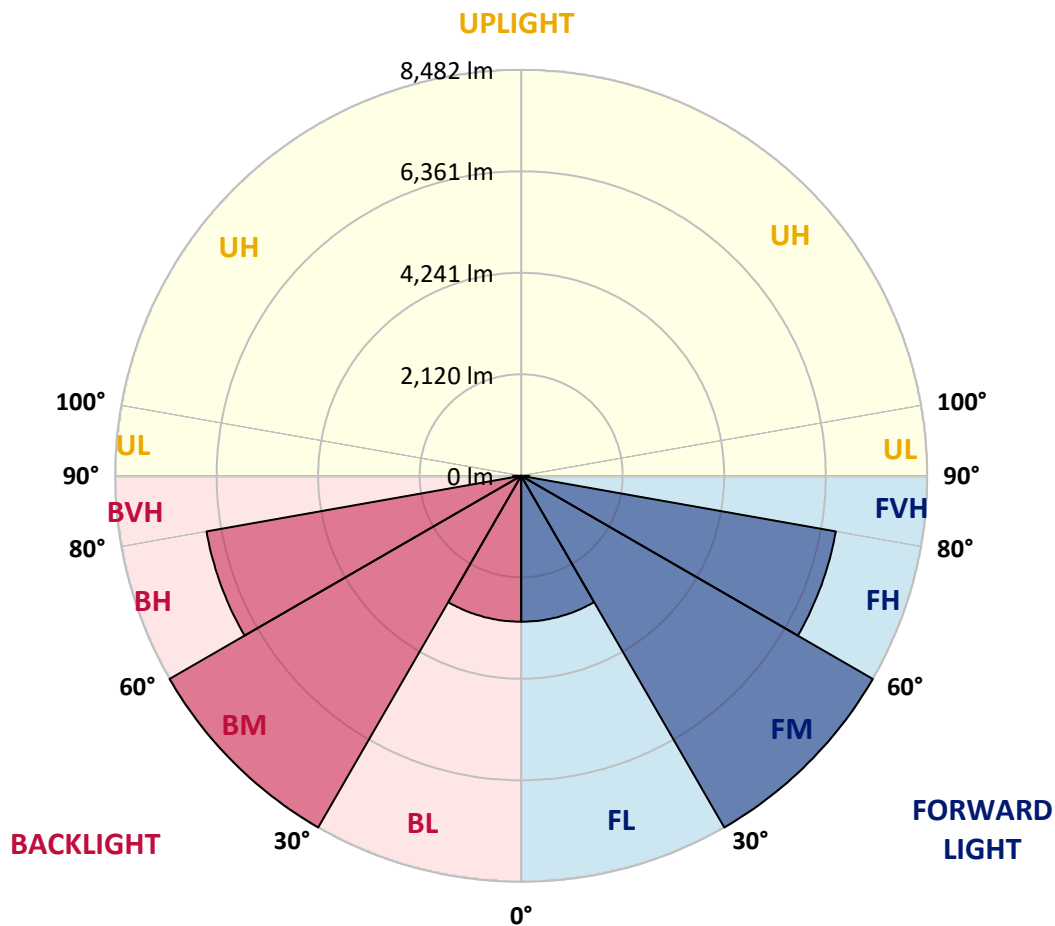
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3047.9	8.3			
FM	(30°-60°)	8481.7	23.1			
FH	(60°-80°)	6674.8	18.2			G3/7500
FVH	(80°-90°)	168.5	0.5			G2/225
BL	(0°-30°)	3047.9	8.3	B4/5000		
BM	(30°-60°)	8481.7	23.1	B4/8500		
BH	(60°-80°)	6674.8	18.2	B5		G5
BVH	(80°-90°)	168.5	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°	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4	6866.4
2.5°	6872.2	6880.0	6880.0	6874.2	6887.9	6876.1	6876.1	6870.3	6876.1	6870.3	6870.3
5°	6907.4	6917.2	6921.1	6919.1	6936.7	6926.9	6926.9	6919.1	6921.1	6915.2	6915.2
7.5°	6973.8	6987.5	6995.3	7005.0	7030.4	7018.7	7010.9	6987.5	6977.7	6962.1	6962.1
10°	6995.3	7010.9	7036.3	7087.1	7145.6	7147.6	7124.2	7065.6	7020.7	6985.5	6979.6
12.5°	6928.9	6950.4	7003.1	7106.6	7237.4	7290.2	7253.1	7155.4	7067.5	7005.0	6995.3
15°	6844.9	6868.3	6948.4	7104.6	7298.0	7421.0	7417.1	7288.2	7147.6	7050.0	7034.3
17.5°	6714.1	6737.5	6852.7	7071.4	7344.8	7547.9	7602.6	7469.8	7272.6	7141.7	7120.3
20°	6477.8	6499.2	6659.4	6966.0	7360.5	7682.7	7825.2	7708.1	7462.0	7284.3	7251.1
22.5°	6171.1	6204.3	6391.8	6784.4	7323.4	7823.3	8079.1	7999.1	7682.7	7436.6	7391.7
25°	5843.1	5878.2	6096.9	6561.7	7227.7	7924.8	8379.9	8329.1	7932.7	7626.1	7563.6
27.5°	5559.9	5597.0	5835.2	6341.0	7079.2	7963.9	8676.7	8702.1	8235.4	7835.0	7768.6
30°	5337.3	5372.4	5626.3	6163.3	6887.9	7924.8	8936.4	9112.2	8543.9	8016.6	7920.9
32.5°	5093.1	5138.1	5405.6	5946.6	6661.3	7831.1	9163.0	9555.5	8901.3	8211.9	8090.8
35°	4784.6	4825.6	5106.8	5649.7	6364.5	7680.7	9352.4	10047.6	9413.0	8508.8	8374.0
37.5°	4409.6	4448.7	4728.0	5278.7	6069.6	7469.8	9496.9	10602.3	10022.3	8936.4	8756.8
40°	4032.7	4069.8	4331.5	4864.7	5716.1	7200.3	9547.7	11145.2	10721.4	9524.3	9332.9
42.5°	3687.1	3720.3	3960.5	4456.5	5319.7	6856.6	9481.3	11617.8	11348.3	9934.4	9688.3
45°	3368.7	3398.0	3610.9	4073.7	4907.6	6438.7	9282.1	12125.5	12094.3	10227.3	9895.3
47.5°	3005.5	3034.8	3255.5	3702.7	4495.6	5948.5	8944.3	12625.5	13131.3	10891.3	10508.5
50°	2562.2	2587.6	2814.1	3275.0	4067.9	5427.1	8475.6	13018.0	14439.7	11897.0	11416.6
52.5°	2036.9	2064.2	2284.9	2745.8	3560.1	4866.6	7858.4	13273.8	15951.2	13365.6	12773.9
55°	1515.4	1535.0	1726.4	2140.4	2931.3	4228.0	7085.1	13346.1	17665.9	15373.2	14633.0
57.5°	1099.5	1111.2	1234.2	1542.8	2222.4	3429.3	6145.8	13158.6	19706.7	17947.1	17015.6
60°	890.5	894.4	931.5	1068.2	1544.7	2527.0	5011.1	12514.1	21921.2	21265.1	20091.4
62.5°	808.5	808.5	818.3	855.4	1044.8	1667.8	3638.2	11178.4	24296.0	25457.9	23885.9
65°	751.9	751.9	755.8	773.3	824.1	1062.4	2296.6	9002.8	26297.7	30369.5	28381.4
67.5°	701.1	703.0	701.1	706.9	736.2	785.1	1331.9	6218.0	27375.7	35458.7	33312.5
70°	648.4	652.3	642.5	642.5	665.9	667.9	833.9	3409.8	26481.3	39723.8	39159.4
72.5°	585.9	591.7	576.1	572.2	589.8	582.0	626.9	1636.5	22735.6	40997.1	42481.3
75°	531.2	539.0	503.8	494.1	494.1	488.2	509.7	839.7	14756.1	33443.3	35771.2
77.5°	482.4	498.0	441.4	410.1	402.3	384.7	416.0	513.6	6454.3	15701.3	15375.1
80°	398.4	419.9	363.2	326.1	312.5	292.9	328.1	359.3	1919.7	3646.1	3491.8
82.5°	296.8	306.6	257.8	232.4	220.7	207.0	246.1	250.0	624.9	1290.9	1458.8
85°	189.4	193.3	158.2	136.7	130.8	125.0	156.2	136.7	238.3	949.1	1378.7
87.5°	66.4	76.2	60.5	54.7	58.6	48.8	72.3	41.0	66.4	669.8	830.0
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)