

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: P956633

Luminaire Tested: **GALN-SB9B-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956633
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9B-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49851 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 329.5
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

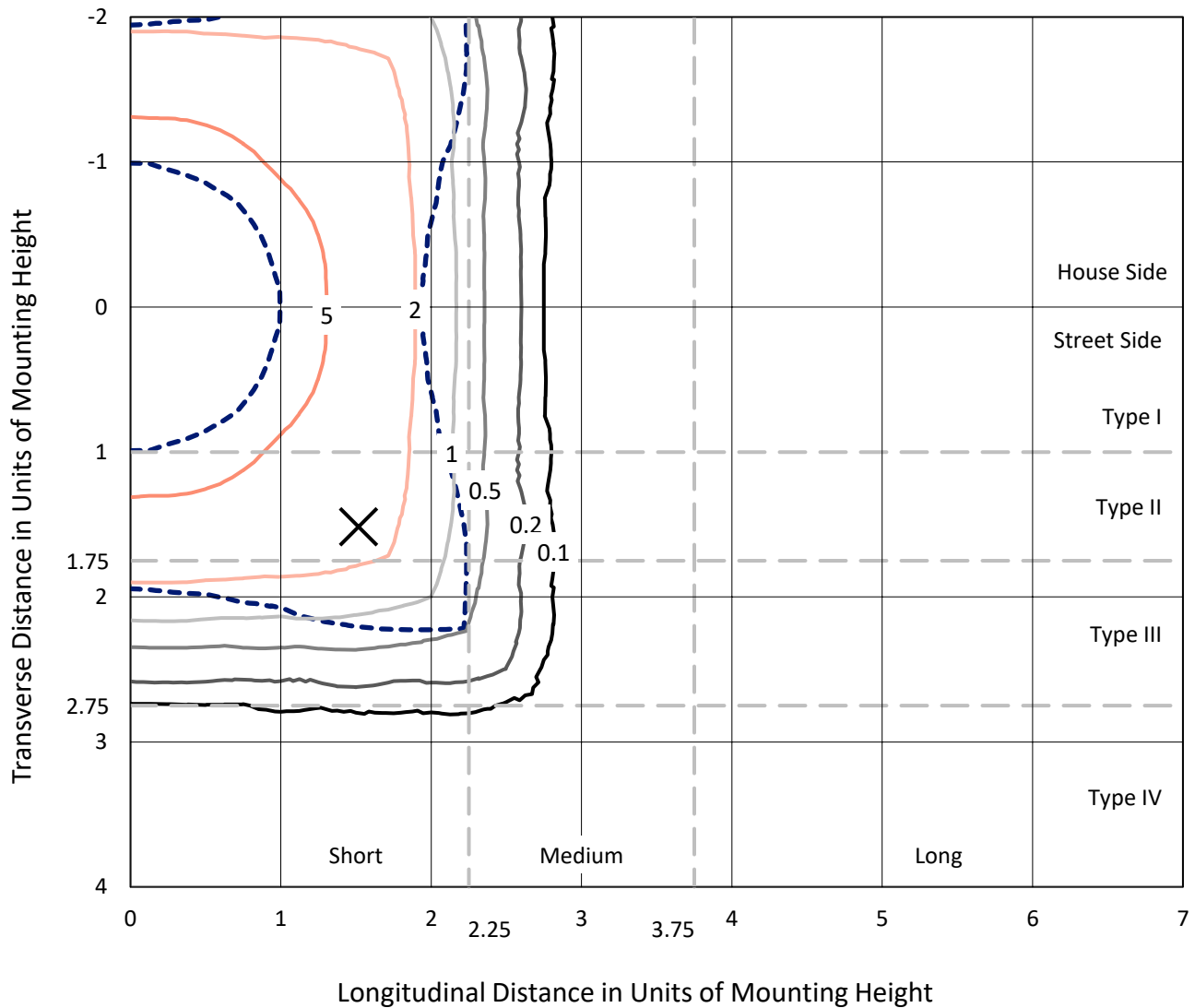


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

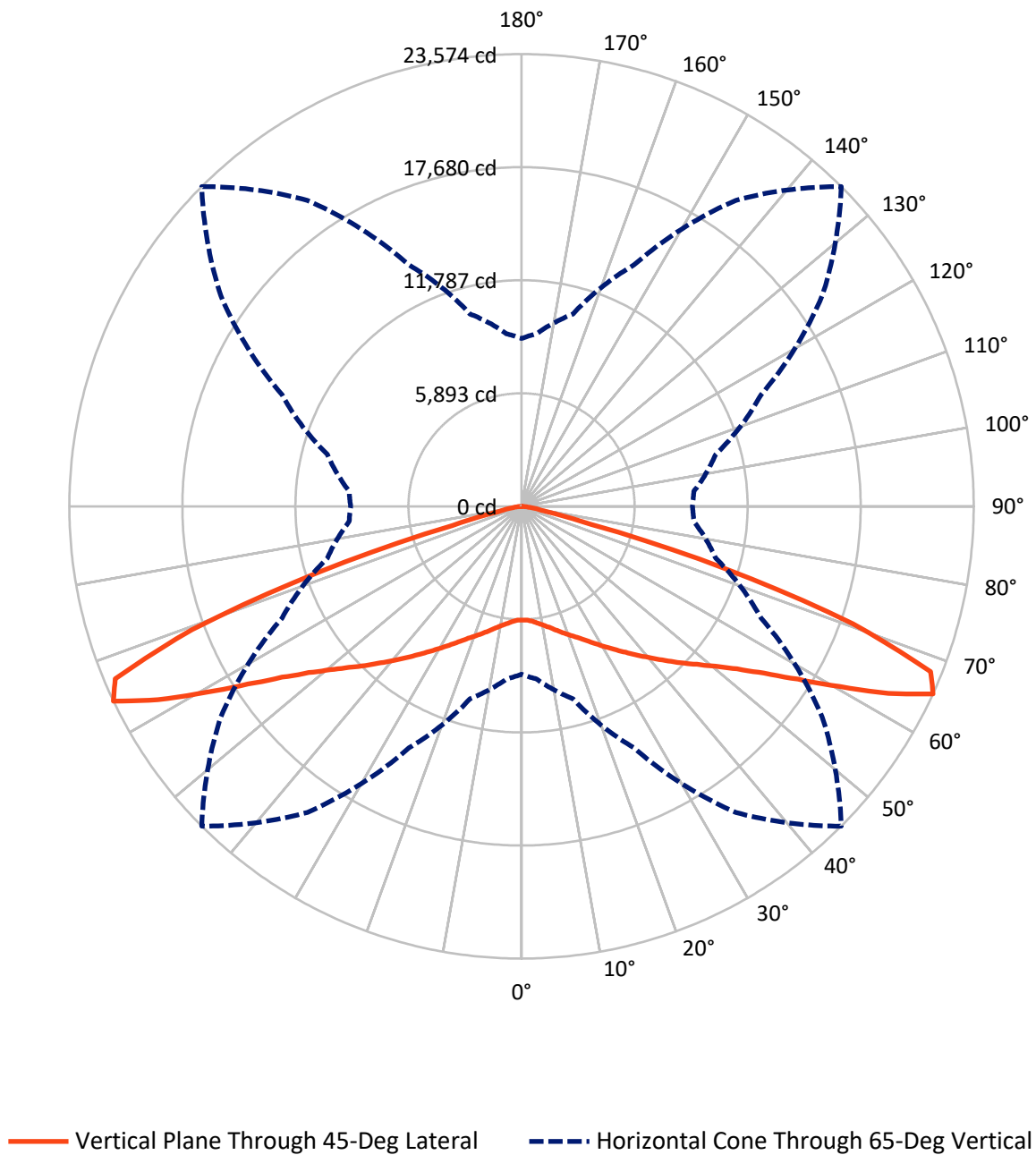


Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24925.5	0.0	24925.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24925.5	0.0	24925.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	49851.0	0.0	49851.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.5	1.2
10°-20°	1910.6	3.8
20°-30°	3607.3	7.2
30°-40°	5906.9	11.8
40°-50°	9158.7	18.4
50°-60°	13529.3	27.1
60°-70°	12878.6	25.8
70°-80°	2078.1	4.2
80°-90°	195.9	0.4
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°	49851.0	100.0
0°-180°	49851.0	100.0

Coefficient of Utilization



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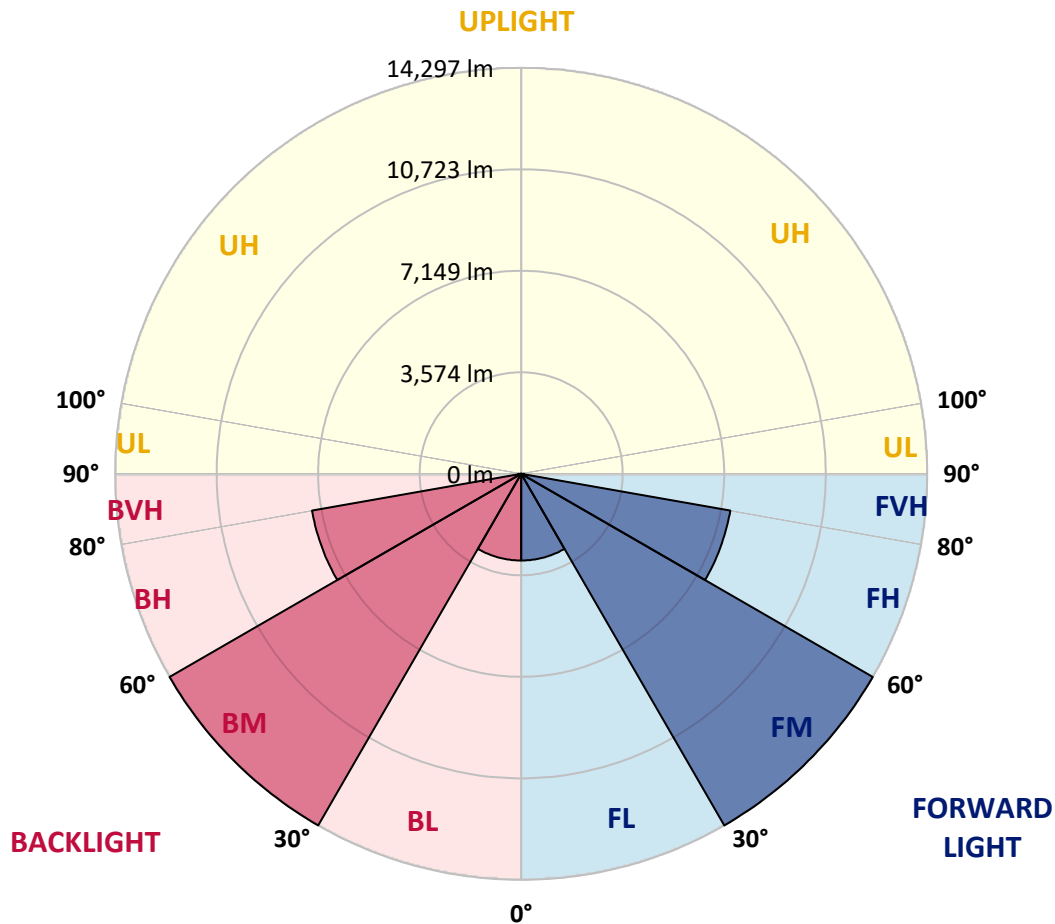
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3051.7	6.1			
FM	(30°-60°)	14297.5	28.7			
FH	(60°-80°)	7478.4	15.0			G3/7500
FVH	(80°-90°)	97.9	0.2			G1/100
BL	(0°-30°)	3051.7	6.1	B4/5000		
BM	(30°-60°)	14297.5	28.7	B5		
BH	(60°-80°)	7478.4	15.0	B5		G3/7500
BVH	(80°-90°)	97.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8	5932.8
2.5°	5972.8	5952.8	5967.8	5955.3	5945.3	5935.3	5940.3	5957.8	5965.3	5967.8	5967.8
5°	6052.8	6035.3	6042.8	6042.8	6025.3	6020.3	6022.8	6035.3	6050.3	6050.3	6050.3
7.5°	6182.9	6165.4	6182.9	6172.9	6157.9	6152.9	6150.4	6160.4	6182.9	6182.9	6175.4
10°	6340.5	6320.4	6330.5	6325.5	6307.9	6300.4	6297.9	6312.9	6333.0	6330.5	6325.5
12.5°	6513.0	6490.5	6503.0	6488.0	6483.0	6475.5	6475.5	6473.0	6485.5	6475.5	6480.5
15°	6705.6	6690.6	6695.6	6685.6	6693.1	6688.1	6668.1	6658.1	6663.1	6648.1	6650.6
17.5°	6933.2	6898.2	6915.7	6910.7	6910.7	6920.7	6888.2	6875.7	6885.7	6870.7	6883.2
20°	7195.9	7160.8	7168.3	7158.3	7145.8	7155.8	7115.8	7125.8	7133.3	7123.3	7145.8
22.5°	7483.5	7438.5	7436.0	7441.0	7413.5	7416.0	7388.4	7413.5	7428.5	7401.0	7428.5
25°	7778.6	7731.1	7763.6	7751.1	7716.1	7723.6	7703.6	7728.6	7741.1	7706.1	7746.1
27.5°	8091.3	8058.8	8088.8	8096.3	8053.8	8083.8	8053.8	8076.3	8088.8	8036.2	8076.3
30°	8456.4	8423.9	8451.4	8471.5	8421.4	8469.0	8443.9	8458.9	8461.4	8398.9	8436.4
32.5°	8854.1	8804.1	8874.1	8884.1	8829.1	8886.6	8854.1	8874.1	8886.6	8801.6	8859.1
35°	9339.4	9276.8	9356.9	9344.4	9296.8	9344.4	9314.3	9344.4	9374.4	9271.8	9334.4
37.5°	9862.1	9797.1	9882.1	9859.6	9814.6	9847.1	9829.6	9849.6	9897.1	9787.1	9854.6
40°	10437.4	10357.3	10472.4	10432.4	10389.8	10384.8	10394.8	10407.4	10469.9	10347.3	10387.3
42.5°	11052.7	10967.6	11140.2	11077.7	11017.6	10977.6	11010.1	11035.1	11095.2	10957.6	11030.1
45°	11755.5	11657.9	11883.0	11808.0	11713.0	11630.4	11682.9	11720.5	11808.0	11642.9	11728.0
47.5°	12530.8	12420.8	12660.9	12638.4	12483.3	12303.2	12423.3	12530.8	12595.9	12395.8	12463.3
50°	13288.7	13203.7	13518.8	13546.3	13356.2	13103.6	13271.2	13433.8	13451.3	13188.7	13221.2
52.5°	13999.0	13914.0	14371.7	14544.3	14374.2	14074.1	14251.6	14416.7	14284.2	13944.0	13954.0
55°	14566.8	14496.8	15079.5	15524.7	15582.3	15334.7	15439.7	15434.7	14999.5	14476.8	14494.3
57.5°	14704.4	14694.4	15429.7	16372.6	16972.9	17002.9	16795.3	16265.1	15327.1	14624.3	14579.3
60°	14079.1	14141.6	15152.1	16815.3	18416.1	19081.4	18183.5	16670.3	14954.5	13979.0	13864.0
62.5°	12208.2	12373.3	13591.3	16275.1	19581.6	21472.5	19296.5	16055.0	13423.8	12150.7	12075.6
65°	8749.1	9036.7	10382.3	13889.0	19476.6	23573.5	19136.4	13776.4	10482.4	9014.2	8906.7
67.5°	3969.4	4262.0	5405.0	9509.4	16930.4	23003.2	16890.4	9609.5	5675.1	4277.0	4214.5
70°	1438.2	1488.2	1855.9	3806.8	10820.0	18328.6	11282.8	3834.3	1973.4	1585.7	1565.7
72.5°	870.4	877.9	955.4	1363.1	3759.3	11127.7	3919.3	1408.2	975.5	865.4	880.4
75°	552.8	547.8	680.3	832.9	1333.1	3754.3	1398.2	832.9	677.8	617.8	622.8
77.5°	397.7	410.2	487.7	622.8	840.4	1273.1	825.4	595.3	487.7	400.2	407.7
80°	297.6	305.1	355.2	485.2	590.3	792.9	525.2	440.2	367.7	250.1	257.6
82.5°	215.1	215.1	232.6	352.7	360.2	427.7	285.1	310.1	242.6	177.6	177.6
85°	127.6	125.1	145.1	210.1	187.6	157.6	130.1	190.1	152.6	110.1	107.6
87.5°	45.0	47.5	45.0	60.0	50.0	42.5	40.0	52.5	42.5	37.5	35.0
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)