

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: P953525

Luminaire Tested: **GALN-SB7A-760-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953525
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-SB7A-760-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35367 lumens
Efficiency: N/A
Efficacy: 177.6 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

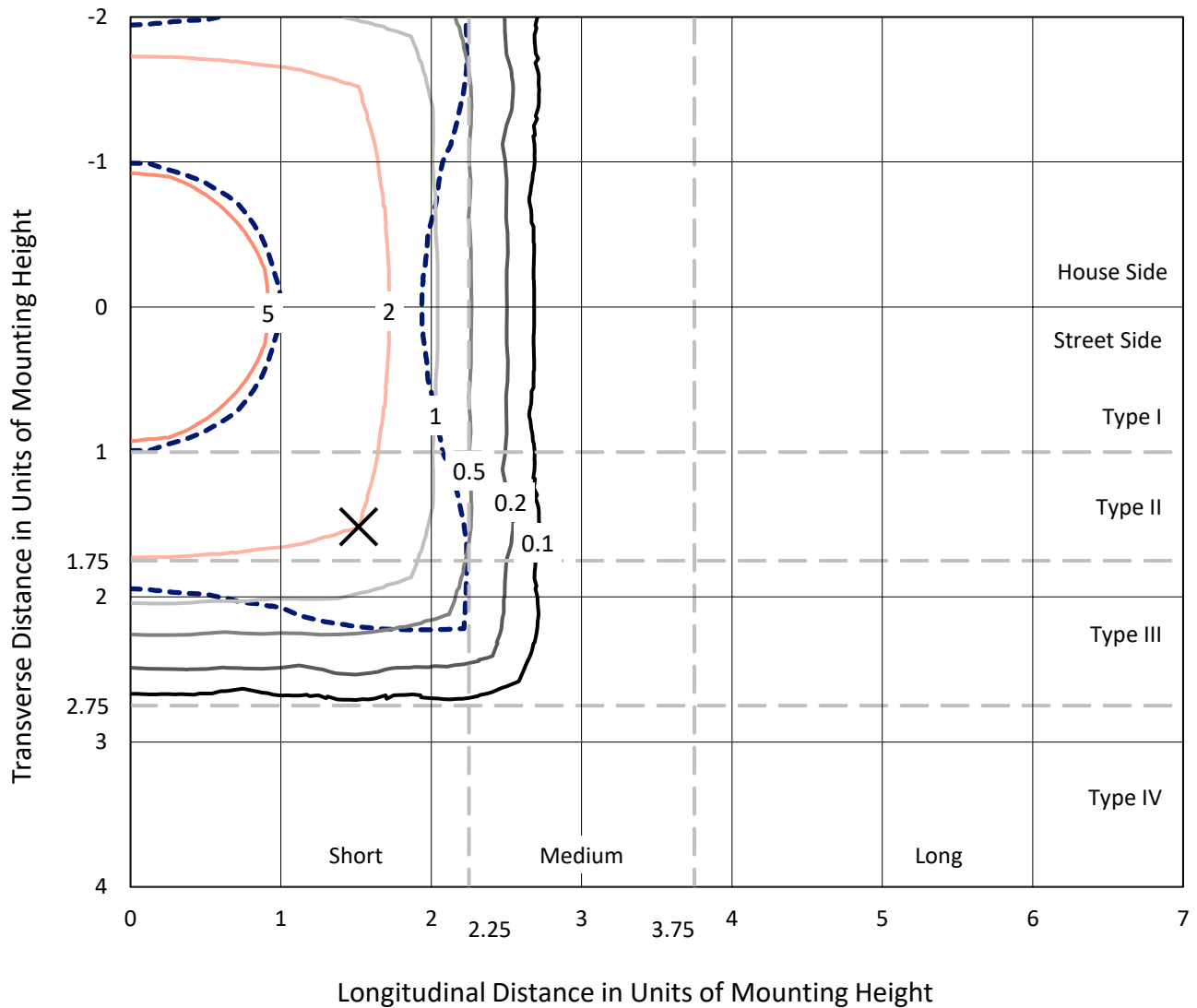
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

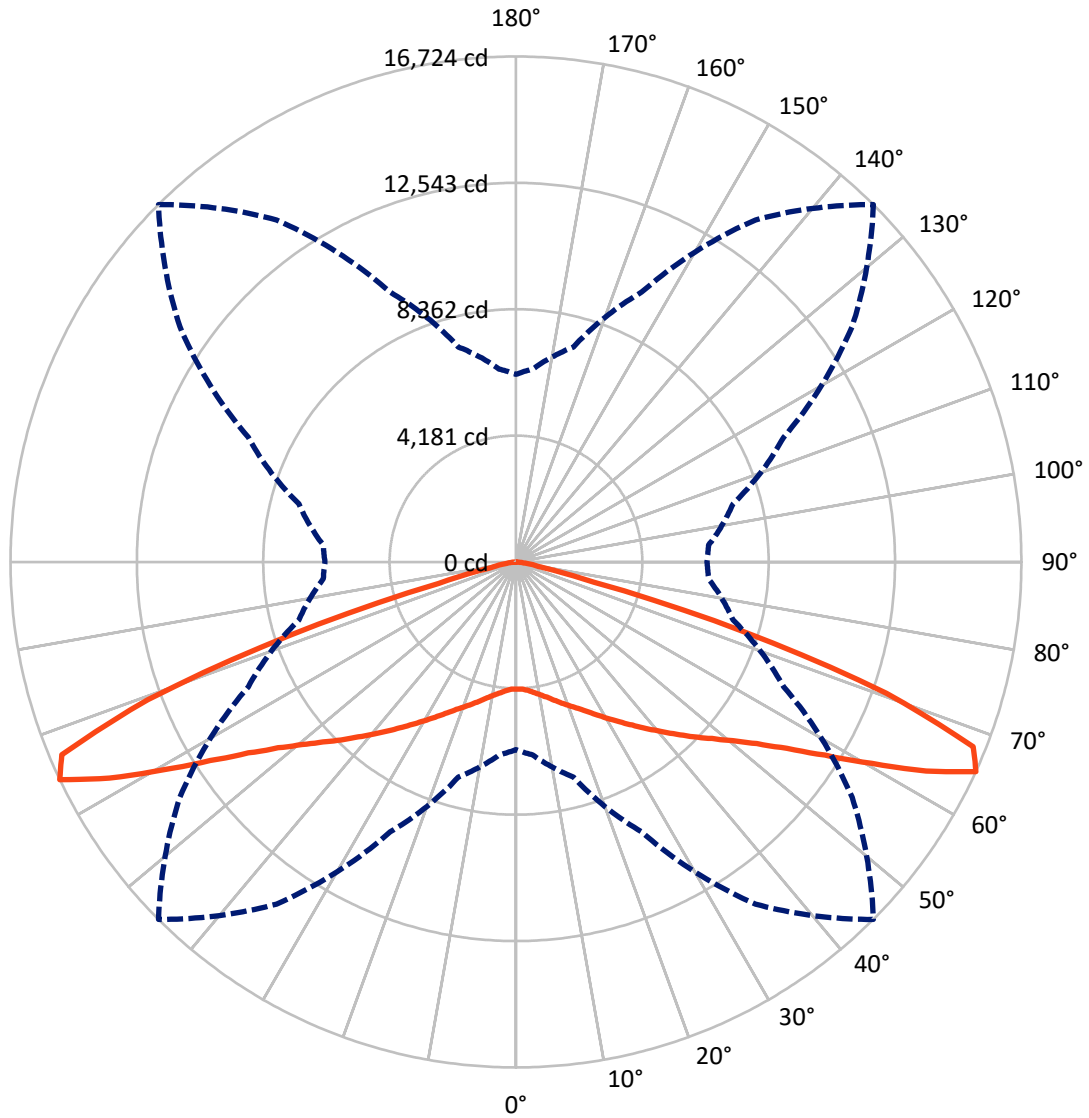
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17683.5	0.0	17683.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17683.5	0.0	17683.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35367.0	0.0	35367.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.4	1.2
10°-20°	1355.5	3.8
20°-30°	2559.2	7.2
30°-40°	4190.7	11.8
40°-50°	6497.7	18.4
50°-60°	9598.4	27.1
60°-70°	9136.8	25.8
70°-80°	1474.3	4.2
80°-90°	139.0	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°	35367.0	100.0
0°-180°	35367.0	100.0



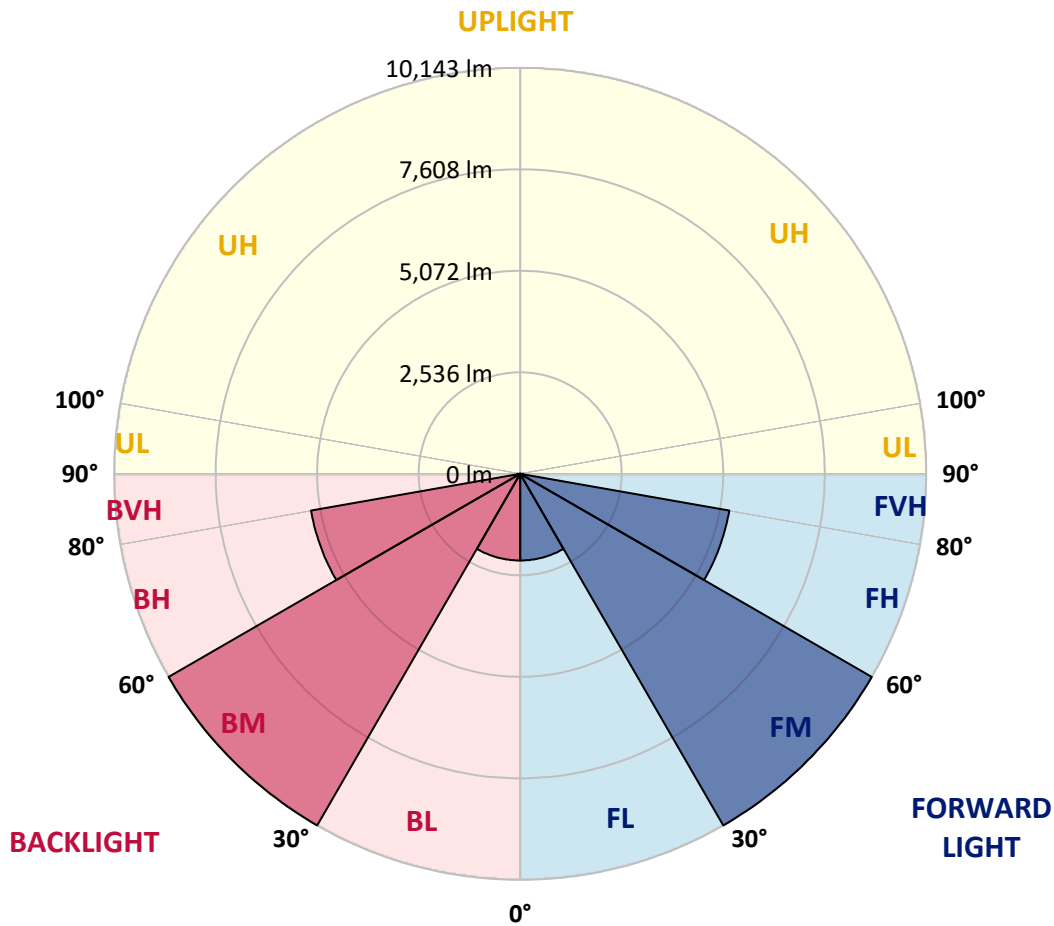
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.0	6.1			
FM (30°-60°)	10143.4	28.7			
FH (60°-80°)	5305.6	15.0			G3/7500
FVH (80°-90°)	69.5	0.2			G1/100
BL (0°-30°)	2165.0	6.1	B3/2500		
BM (30°-60°)	10143.4	28.7	B5		
BH (60°-80°)	5305.6	15.0	B5		G3/7500
BVH (80°-90°)	69.5	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°
0°	4209.0	4209.0	4209.0	4209.0	4209.0	4209.0	4209.0	4209.0	4209.0	4209.0
2.5°	4237.4	4223.2	4233.9	4225.0	4217.9	4210.8	4214.4	4226.8	4232.1	4233.9
5°	4294.2	4281.8	4287.1	4287.1	4274.7	4271.1	4272.9	4281.8	4292.4	4292.4
7.5°	4386.5	4374.1	4386.5	4379.4	4368.7	4365.2	4363.4	4370.5	4386.5	4386.5
10°	4498.3	4484.1	4491.2	4487.6	4475.2	4469.9	4468.1	4478.7	4492.9	4491.2
12.5°	4620.7	4604.7	4613.6	4603.0	4599.4	4594.1	4594.1	4592.3	4601.2	4594.1
15°	4757.3	4746.7	4750.2	4743.1	4748.5	4744.9	4730.7	4723.6	4727.2	4716.5
17.5°	4918.8	4894.0	4906.4	4902.8	4902.8	4909.9	4886.9	4878.0	4885.1	4874.5
20°	5105.1	5080.3	5085.6	5078.5	5069.6	5076.7	5048.3	5055.4	5060.8	5053.7
22.5°	5309.2	5277.3	5275.5	5279.0	5259.5	5261.3	5241.8	5259.5	5270.2	5250.6
25°	5518.6	5484.9	5507.9	5499.1	5474.2	5479.5	5465.3	5483.1	5492.0	5467.1
27.5°	5740.4	5717.3	5738.6	5743.9	5713.8	5735.1	5713.8	5729.7	5738.6	5701.4
30°	5999.5	5976.4	5995.9	6010.1	5974.6	6008.3	5990.6	6001.2	6003.0	5958.6
32.5°	6281.6	6246.1	6295.8	6302.9	6263.9	6304.7	6281.6	6295.8	6304.7	6244.3
35°	6625.8	6581.5	6638.3	6629.4	6595.7	6629.4	6608.1	6629.4	6650.7	6577.9
37.5°	6996.7	6950.6	7010.9	6994.9	6963.0	6986.1	6973.6	6987.8	7021.6	6943.5
40°	7404.8	7348.1	7429.7	7401.3	7371.1	7367.6	7374.7	7383.5	7427.9	7341.0
42.5°	7841.4	7781.0	7903.5	7859.1	7816.5	7788.1	7811.2	7828.9	7871.5	7773.9
45°	8340.0	8270.8	8430.5	8377.2	8309.8	8251.3	8288.5	8315.1	8377.2	8260.1
47.5°	8890.1	8812.0	8982.3	8966.4	8856.3	8728.6	8813.8	8890.1	8936.2	8794.2
50°	9427.7	9367.4	9591.0	9610.5	9475.6	9296.4	9415.3	9530.6	9543.1	9356.7
52.5°	9931.7	9871.3	10196.1	10318.5	10197.8	9984.9	10110.9	10228.0	10134.0	9892.6
55°	10334.5	10284.8	10698.2	11014.1	11054.9	10879.2	10953.8	10950.2	10641.5	10270.6
57.5°	10432.1	10425.0	10946.7	11615.6	12041.5	12062.8	11915.5	11539.3	10873.9	10375.3
60°	9988.5	10032.8	10749.7	11929.7	13065.4	13537.4	12900.3	11826.8	10609.5	9917.5
62.5°	8661.2	8778.3	9642.4	11546.4	13892.3	15233.8	13690.0	11390.3	9523.5	8620.3
65°	6207.1	6411.1	7365.8	9853.6	13817.7	16724.3	13576.4	9773.7	7436.8	6395.2
67.5°	2816.1	3023.7	3834.6	6746.5	12011.3	16319.7	11983.0	6817.5	4026.3	3034.3
70°	1020.3	1055.8	1316.7	2700.7	7676.3	13003.3	8004.6	2720.3	1400.1	1125.0
72.5°	617.5	622.8	677.8	967.1	2667.0	7894.6	2780.6	999.0	692.0	614.0
75°	392.2	388.6	482.7	590.9	945.8	2663.5	991.9	590.9	480.9	438.3
77.5°	282.1	291.0	346.0	441.8	596.2	903.2	585.6	422.3	346.0	283.9
80°	211.2	216.5	252.0	344.2	418.8	562.5	372.6	312.3	260.8	177.4
82.5°	152.6	152.6	165.0	250.2	255.5	303.4	202.3	220.0	172.1	126.0
85°	90.5	88.7	102.9	149.1	133.1	111.8	92.3	134.9	108.2	78.1
87.5°	31.9	33.7	31.9	42.6	35.5	30.2	28.4	37.3	30.2	26.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4209.0
4233.9
4292.4
4381.1
4487.6
4597.6
4718.3
4883.3
5069.6
5270.2
5495.5
5729.7
5985.3
6285.1
6622.3
6991.4
7369.3
7825.4
8320.5
8842.2
9379.8
9899.7
10283.0
10343.3
9835.8
8567.1
6318.9
2990.0
1110.8
624.6
441.8
289.2
182.8
126.0
76.3
24.8
0.0

OF REPORT)