

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: P955604

Luminaire Tested: **GALN-SB8C-735-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955604  
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-SB8C-735-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

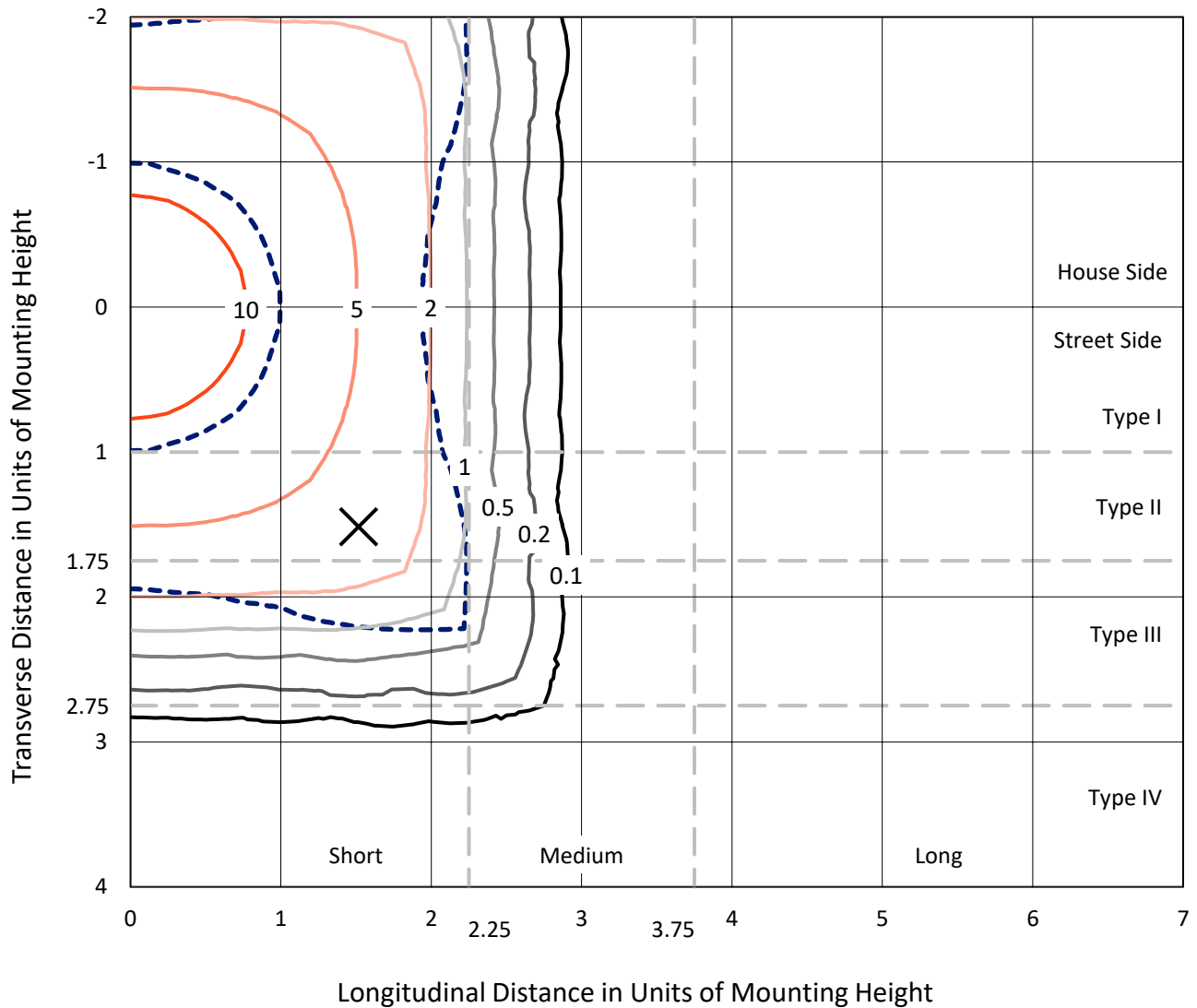
Lumens per Lamp: N/A  
Luminaire Lumens: 63458 lumens  
Efficiency: N/A  
Efficacy: 158.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

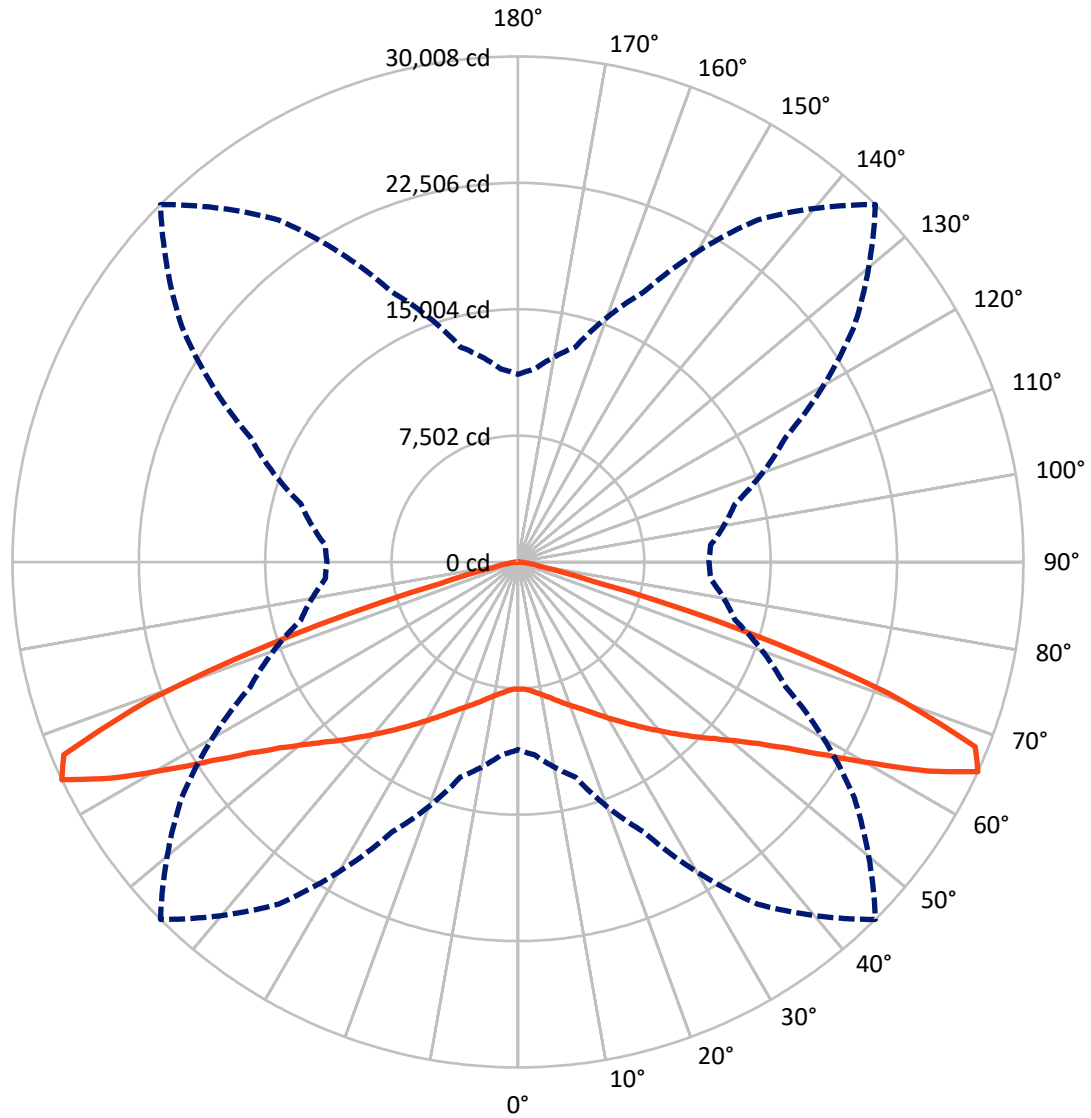
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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
<b>House Side</b>	Lumens	31729.0	0.0	31729.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	31729.0	0.0	31729.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	63458.0	0.0	63458.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	745.3	1.2
10°-20°	2432.0	3.8
20°-30°	4592.0	7.2
30°-40°	7519.2	11.8
40°-50°	11658.6	18.4
50°-60°	17222.2	27.1
60°-70°	16393.9	25.8
70°-80°	2645.4	4.2
80°-90°	249.4	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°	63458.0	100.0
0°-180°	63458.0	100.0

**Coefficient of Utilization**



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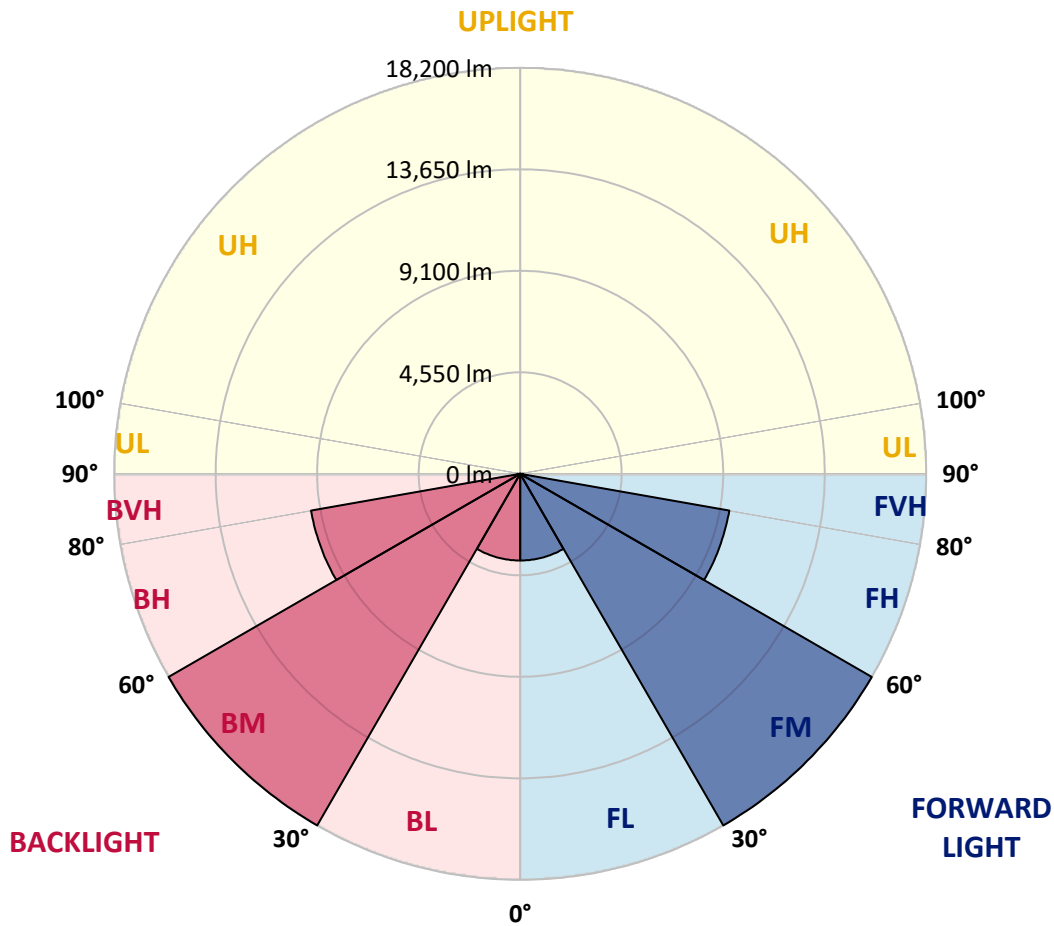
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3884.7	6.1			
FM (30°-60°)	18200.0	28.7			
FH (60°-80°)	9519.6	15.0			G4/12000
FVH (80°-90°)	124.7	0.2			G2/225
BL (0°-30°)	3884.7	6.1	B4/5000		
BM (30°-60°)	18200.0	28.7	B5		
BH (60°-80°)	9519.6	15.0	B5		G4/12000
BVH (80°-90°)	124.7	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7552.1	7552.1	7552.1	7552.1	7552.1	7552.1	7552.1	7552.1	7552.1	7552.1
2.5°	7603.1	7577.6	7596.7	7580.8	7568.1	7555.3	7561.7	7584.0	7593.5	7596.7
5°	7705.0	7682.7	7692.2	7692.2	7669.9	7663.6	7666.8	7682.7	7701.8	7701.8
7.5°	7870.5	7848.2	7870.5	7857.8	7838.7	7832.3	7829.1	7841.9	7870.5	7870.5
10°	8071.1	8045.6	8058.4	8052.0	8029.7	8020.2	8017.0	8036.1	8061.6	8058.4
12.5°	8290.8	8262.1	8278.1	8259.0	8252.6	8243.0	8243.0	8239.9	8255.8	8243.0
15°	8536.0	8516.8	8523.2	8510.5	8520.0	8513.7	8488.2	8475.5	8481.8	8462.7
17.5°	8825.7	8781.1	8803.4	8797.0	8797.0	8809.8	8768.4	8752.5	8765.2	8746.1
20°	9160.0	9115.4	9125.0	9112.2	9096.3	9109.0	9058.1	9070.8	9080.4	9067.7
22.5°	9526.1	9468.8	9465.6	9472.0	9437.0	9440.2	9405.1	9437.0	9456.1	9421.1
25°	9901.8	9841.3	9882.7	9866.8	9822.2	9831.8	9806.3	9838.2	9854.1	9809.5
27.5°	10299.8	10258.4	10296.6	10306.2	10252.1	10290.3	10252.1	10280.7	10296.6	10229.8
30°	10764.7	10723.3	10758.3	10783.8	10720.1	10780.6	10748.7	10767.8	10771.0	10691.4
32.5°	11270.9	11207.2	11296.4	11309.1	11239.1	11312.3	11270.9	11296.4	11312.3	11204.0
35°	11888.6	11809.0	11910.9	11894.9	11834.4	11894.9	11856.7	11894.9	11933.1	11802.6
37.5°	12554.0	12471.2	12579.5	12550.8	12493.5	12534.9	12512.6	12538.1	12598.6	12458.5
40°	13286.3	13184.4	13330.9	13279.9	13225.8	13219.4	13232.2	13248.1	13327.7	13171.7
42.5°	14069.5	13961.3	14181.0	14101.4	14024.9	13974.0	14015.4	14047.2	14123.6	13948.5
45°	14964.2	14840.0	15126.6	15031.0	14910.1	14805.0	14871.9	14919.6	15031.0	14820.9
47.5°	15951.2	15811.1	16116.7	16088.1	15890.7	15661.5	15814.3	15951.2	16034.0	15779.3
50°	16915.9	16807.6	17208.8	17243.8	17001.9	16680.3	16893.6	17100.6	17122.8	16788.5
52.5°	17820.1	17711.9	18294.5	18514.2	18297.7	17915.6	18141.7	18351.8	18183.1	17750.1
55°	18542.9	18453.7	19195.5	19762.3	19835.5	19520.3	19654.0	19647.7	19093.7	18428.2
57.5°	18718.0	18705.2	19641.3	20841.6	21605.7	21643.9	21379.7	20704.7	19510.7	18616.1
60°	17922.0	18001.6	19287.9	21405.1	23442.8	24289.7	23146.7	21220.5	19036.4	17794.6
62.5°	15540.5	15750.6	17301.1	20717.4	24926.5	27333.5	24563.5	20437.3	17087.8	15467.2
65°	11137.2	11503.3	13216.2	17680.0	24792.8	30008.0	24359.8	17536.7	13343.6	11474.7
67.5°	5052.8	5425.3	6880.3	12105.1	21551.6	29282.0	21500.7	12232.4	7224.2	5444.4
70°	1830.7	1894.4	2362.4	4845.8	13773.4	23331.4	14362.4	4880.9	2512.1	2018.6
72.5°	1108.0	1117.5	1216.2	1735.2	4785.4	14165.0	4989.1	1792.5	1241.7	1101.6
75°	703.6	697.3	866.0	1060.2	1697.0	4779.0	1779.8	1060.2	862.8	786.4
77.5°	506.2	522.2	620.9	792.8	1069.8	1620.6	1050.7	757.8	620.9	509.4
80°	378.9	388.4	452.1	617.7	751.4	1009.3	668.6	560.4	468.0	318.4
82.5°	273.8	273.8	296.1	448.9	458.5	544.4	363.0	394.8	308.8	226.1
85°	162.4	159.2	184.7	267.4	238.8	200.6	165.6	242.0	194.2	140.1
87.5°	57.3	60.5	57.3	76.4	63.7	54.1	50.9	66.9	54.1	47.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7552.1
7596.7
7701.8
7861.0
8052.0
8249.4
8465.9
8762.0
9096.3
9456.1
9860.4
10280.7
10739.2
11277.3
11882.2
12544.4
13222.6
14040.9
14929.2
15865.2
16829.9
17762.8
18450.5
18558.8
17648.2
15371.7
11337.8
5364.8
1993.1
1120.7
792.8
519.0
327.9
226.1
136.9
44.6
0.0

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