

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: P954221

Luminaire Tested: **GALN-SB7C-750-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954221  
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-SB7C-750-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

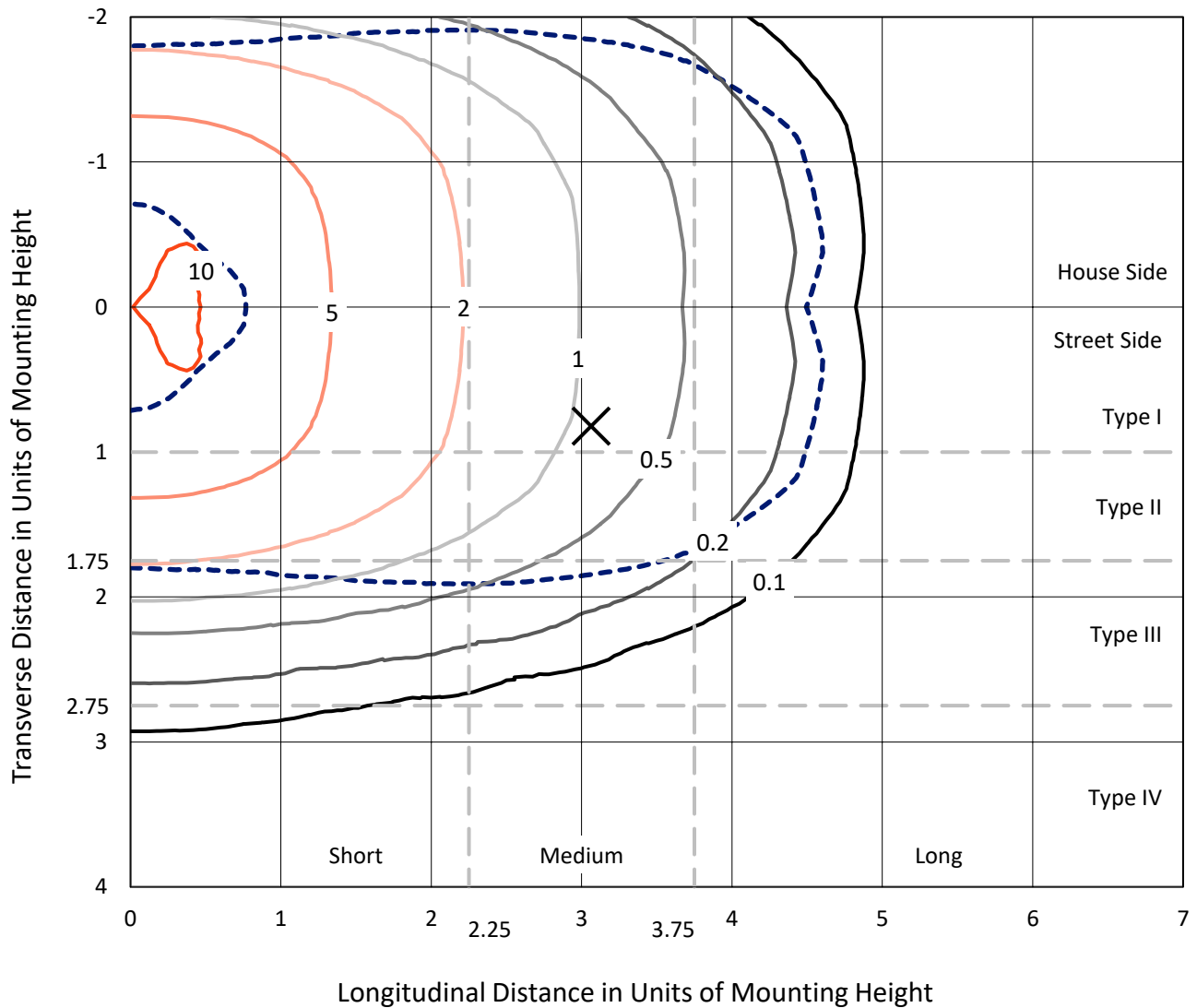
Lumens per Lamp: N/A  
Luminaire Lumens: 58024 lumens  
Efficiency: N/A  
Efficacy: 165.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

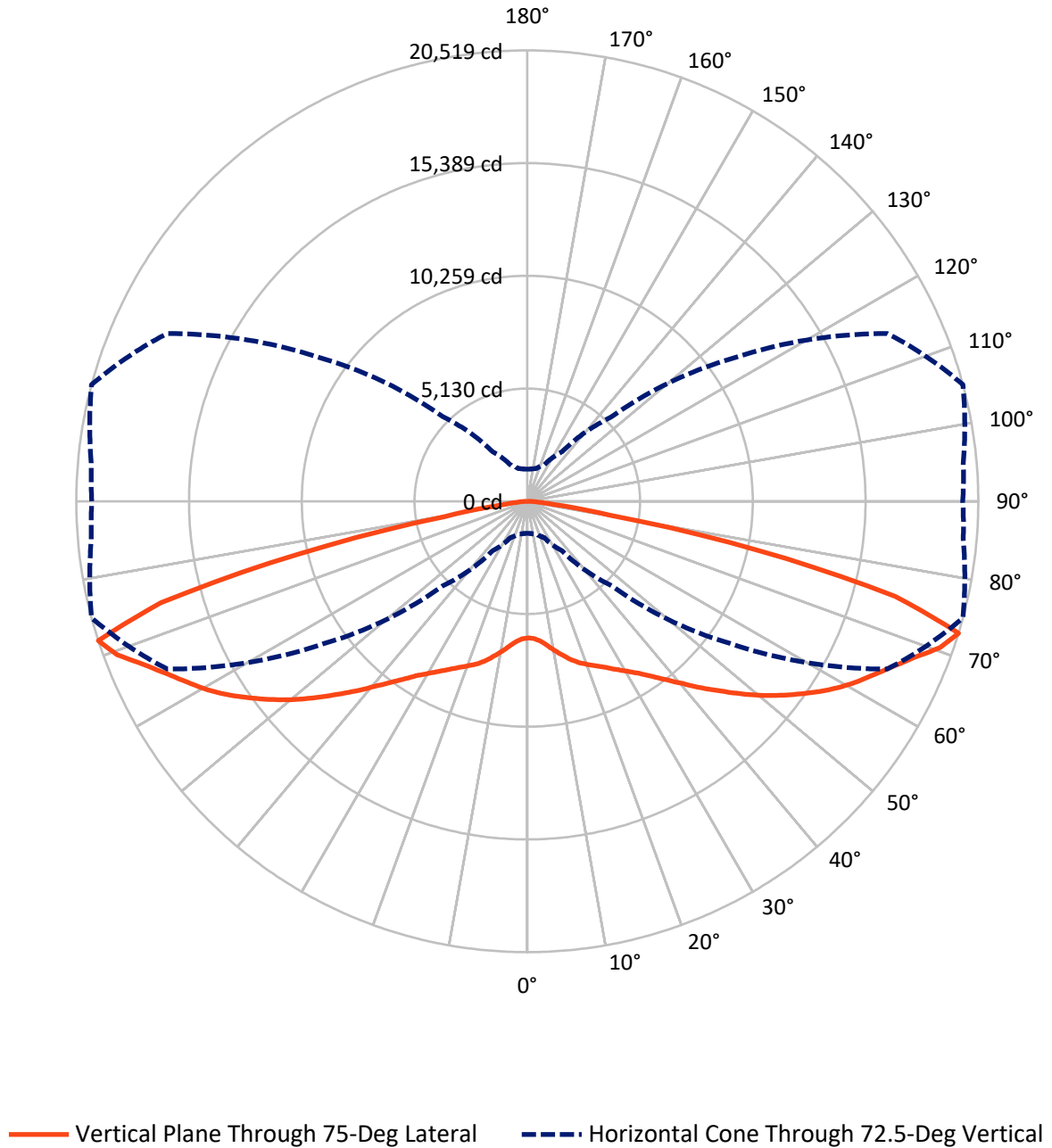
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	29012.0	0.0	29012.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	29012.0	0.0	29012.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	58024.0	0.0	58024.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	608.9	1.0
10°-20°	2008.1	3.5
20°-30°	3880.3	6.7
30°-40°	6552.1	11.3
40°-50°	10390.9	17.9
50°-60°	13912.1	24.0
60°-70°	13239.9	22.8
70°-80°	6908.8	11.9
80°-90°	523.0	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°	58024.0	100.0
0°-180°	58024.0	100.0

**Coefficient of Utilization**



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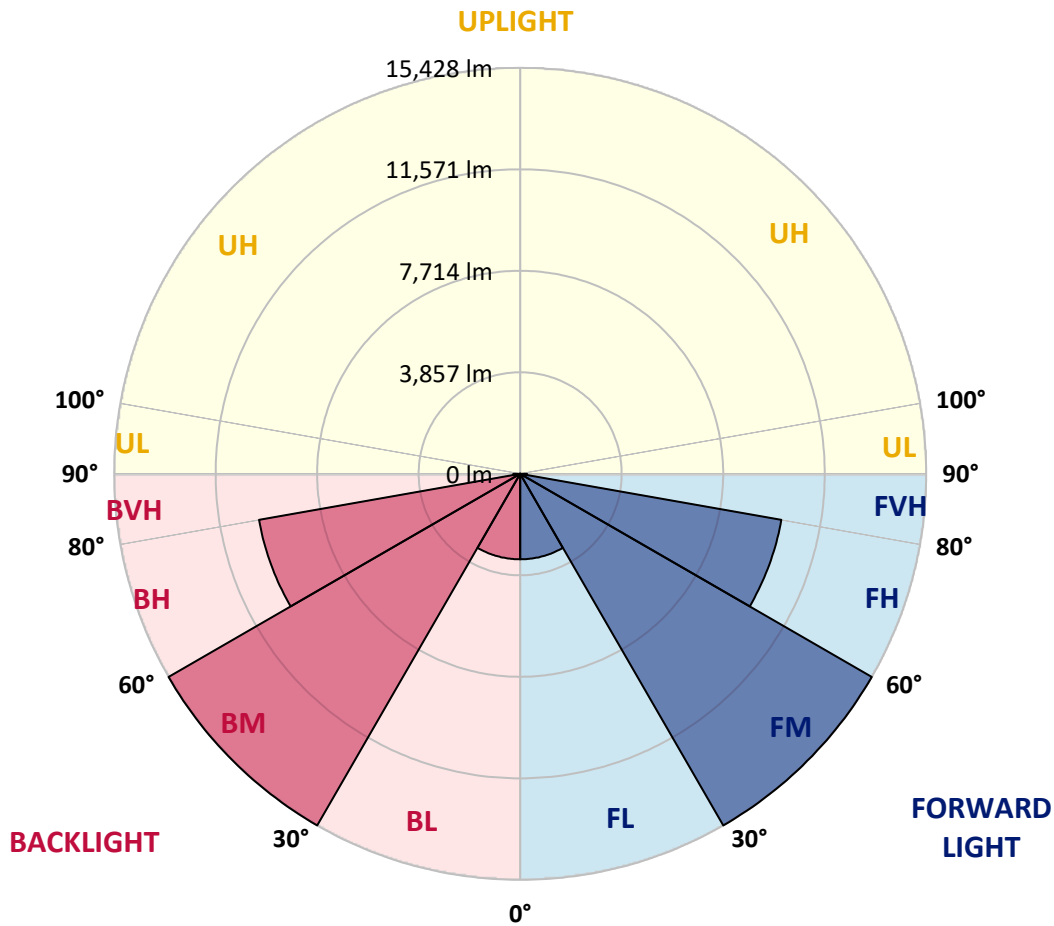
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3248.6	5.6			
FM (30°-60°)	15427.5	26.6			
FH (60°-80°)	10074.4	17.4			G4/12000
FVH (80°-90°)	261.5	0.5			G3/500
BL (0°-30°)	3248.6	5.6	B4/5000		
BM (30°-60°)	15427.5	26.6	B5		
BH (60°-80°)	10074.4	17.4	B5		G5
BVH (80°-90°)	261.5	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6215.4	6215.4	6215.4	6215.4	6215.4	6215.4	6215.4	6215.4	6215.4	6215.4
2.5°	6215.4	6209.5	6215.4	6221.3	6218.4	6218.4	6233.2	6242.1	6259.8	6256.9
5°	6173.9	6171.0	6194.7	6221.3	6242.1	6277.6	6322.1	6354.6	6396.1	6405.0
7.5°	6153.2	6144.3	6185.8	6233.2	6298.4	6387.2	6473.2	6562.0	6633.1	6656.8
10°	6168.0	6171.0	6227.3	6316.1	6419.8	6544.3	6665.7	6816.8	6917.5	6941.2
12.5°	6236.1	6230.2	6325.0	6467.2	6609.4	6766.4	6908.6	7074.5	7184.2	7240.4
15°	6360.6	6348.7	6482.0	6692.4	6899.8	7083.4	7199.0	7356.0	7483.4	7554.5
17.5°	6508.7	6514.6	6689.4	6962.0	7234.5	7441.9	7551.5	7631.5	7729.3	7791.5
20°	6769.4	6781.3	6976.8	7299.7	7610.8	7847.8	7936.6	7907.0	7933.7	7981.1
22.5°	7119.0	7124.9	7344.1	7693.7	8019.6	8280.3	8339.6	8218.1	8144.0	8176.6
25°	7524.9	7563.4	7782.6	8141.1	8475.8	8724.7	8751.3	8567.7	8384.0	8392.9
27.5°	8019.6	8055.1	8277.3	8632.8	8973.5	9189.8	9186.8	8940.9	8671.4	8603.2
30°	8555.8	8594.3	8822.4	9189.8	9506.8	9696.4	9654.9	9361.6	8976.5	8849.1
32.5°	9192.8	9216.5	9447.5	9814.9	10108.2	10259.3	10173.4	9811.9	9332.0	9186.8
35°	9963.0	9998.6	10170.4	10517.0	10774.8	10899.2	10754.0	10327.4	9788.2	9625.3
37.5°	10842.9	10819.2	11014.7	11322.8	11536.1	11613.2	11414.7	10908.1	10309.6	10117.1
40°	11761.3	11749.4	11962.7	12259.0	12374.5	12421.9	12128.6	11574.6	10911.0	10703.7
42.5°	12593.8	12584.9	12872.2	13201.1	13340.3	13287.0	12916.7	12282.7	11607.2	11370.2
45°	13260.3	13248.5	13601.0	14063.2	14335.7	14246.9	13749.1	13064.8	12312.3	12066.4
47.5°	13772.8	13778.8	14158.0	14729.7	15206.7	15239.3	14599.4	13861.7	13088.5	12810.0
50°	14143.2	14160.9	14566.8	15200.8	15852.6	16139.9	15467.4	14679.4	13891.4	13577.3
52.5°	14235.0	14267.6	14756.4	15500.0	16267.3	16815.4	16350.3	15464.5	14652.7	14353.5
55°	13746.2	13811.4	14430.5	15476.3	16522.1	17259.8	17126.4	16261.4	15420.0	15111.9
57.5°	12623.4	12715.2	13438.1	14803.8	16465.8	17564.9	17727.8	17025.7	16187.3	15891.1
60°	11050.3	11159.9	11853.1	13343.3	15671.8	17677.5	18151.5	17769.3	16892.4	16605.0
62.5°	8677.3	8819.5	9649.0	11396.9	13995.0	17153.1	18512.9	18441.8	17526.4	17167.9
65°	5566.6	5717.7	6591.7	8656.5	11758.3	15547.4	18625.5	19096.5	18195.9	17695.3
67.5°	3356.6	3424.7	3857.2	5246.7	8594.3	13127.0	17671.6	19822.4	18978.0	18355.9
70°	2147.8	2186.4	2444.1	3081.0	4858.6	9577.9	15307.4	19958.6	19926.0	19034.3
72.5°	1457.6	1469.4	1537.6	1824.9	2749.2	5442.2	11290.2	18068.5	20518.6	19908.3
75°	1066.5	1131.7	1241.3	1291.7	1561.3	2719.6	6470.2	12694.5	17292.3	17559.0
77.5°	794.0	796.9	948.0	1007.3	1113.9	1448.7	2737.4	7086.4	10736.2	11272.5
80°	672.5	636.9	634.0	811.7	838.4	903.6	1223.5	2447.1	3845.4	2331.5
82.5°	559.9	521.4	471.0	634.0	571.8	554.0	530.3	995.4	1223.5	601.4
85°	391.1	373.3	355.5	414.8	325.9	278.5	254.8	465.1	515.5	254.8
87.5°	168.9	174.8	177.8	183.7	136.3	97.8	97.8	130.4	130.4	100.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6215.4
6253.9
6405.0
6662.8
6964.9
7264.1
7581.1
7821.1
8016.6
8200.3
8407.7
8624.0
8863.9
9222.4
9649.0
10152.6
10771.8
11429.5
12122.7
12893.0
13672.1
14430.5
15197.8
15959.2
16667.3
17209.4
17757.5
18403.3
19028.4
19813.5
16913.1
10054.9
1762.7
512.5
225.2
74.1
0.0

OF REPORT)