

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: P952751

Luminaire Tested: **GALN-SB6C-735-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952751  
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-SB6C-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

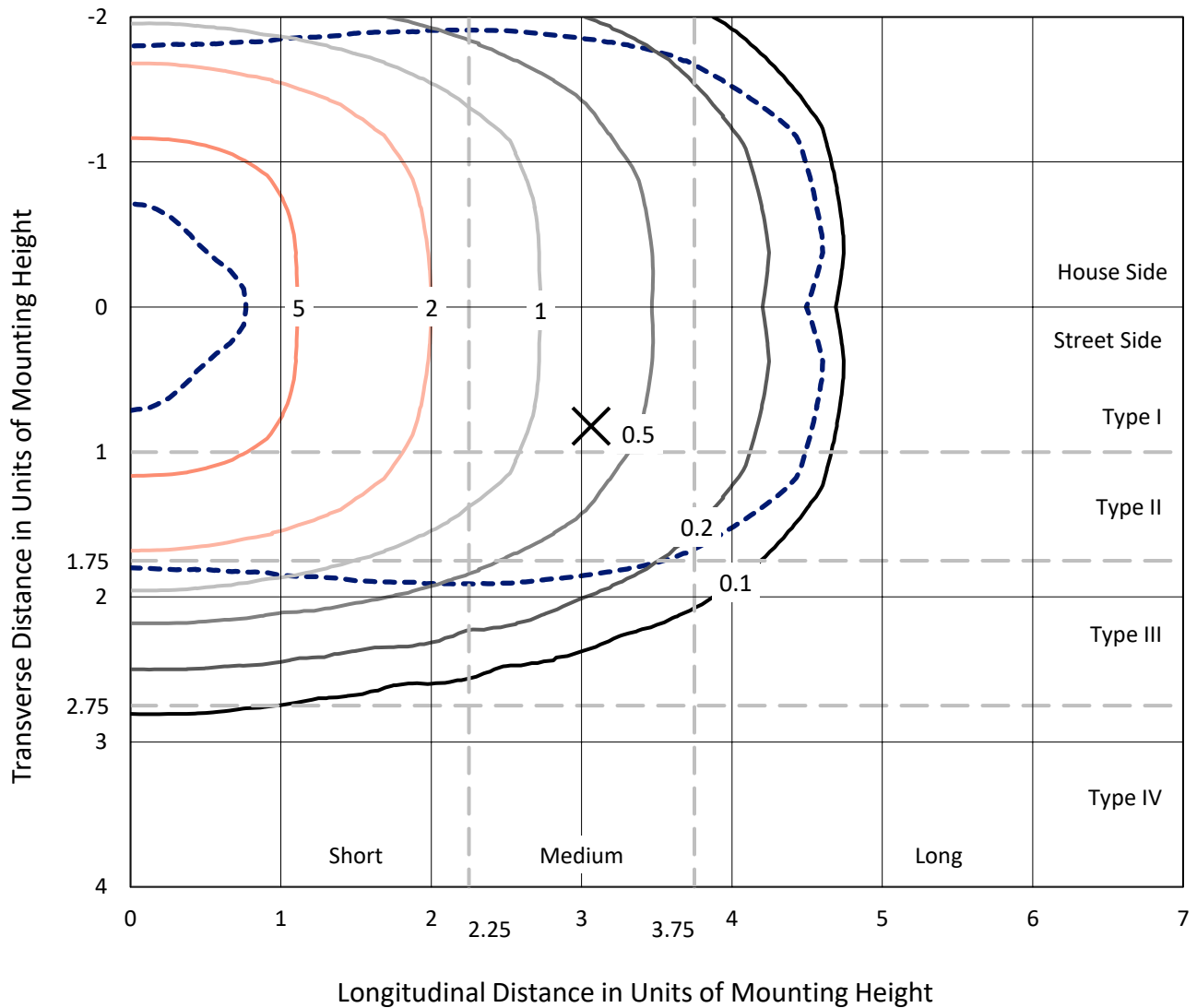
Lumens per Lamp: N/A  
Luminaire Lumens: 46765 lumens  
Efficiency: N/A  
Efficacy: 155.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): 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

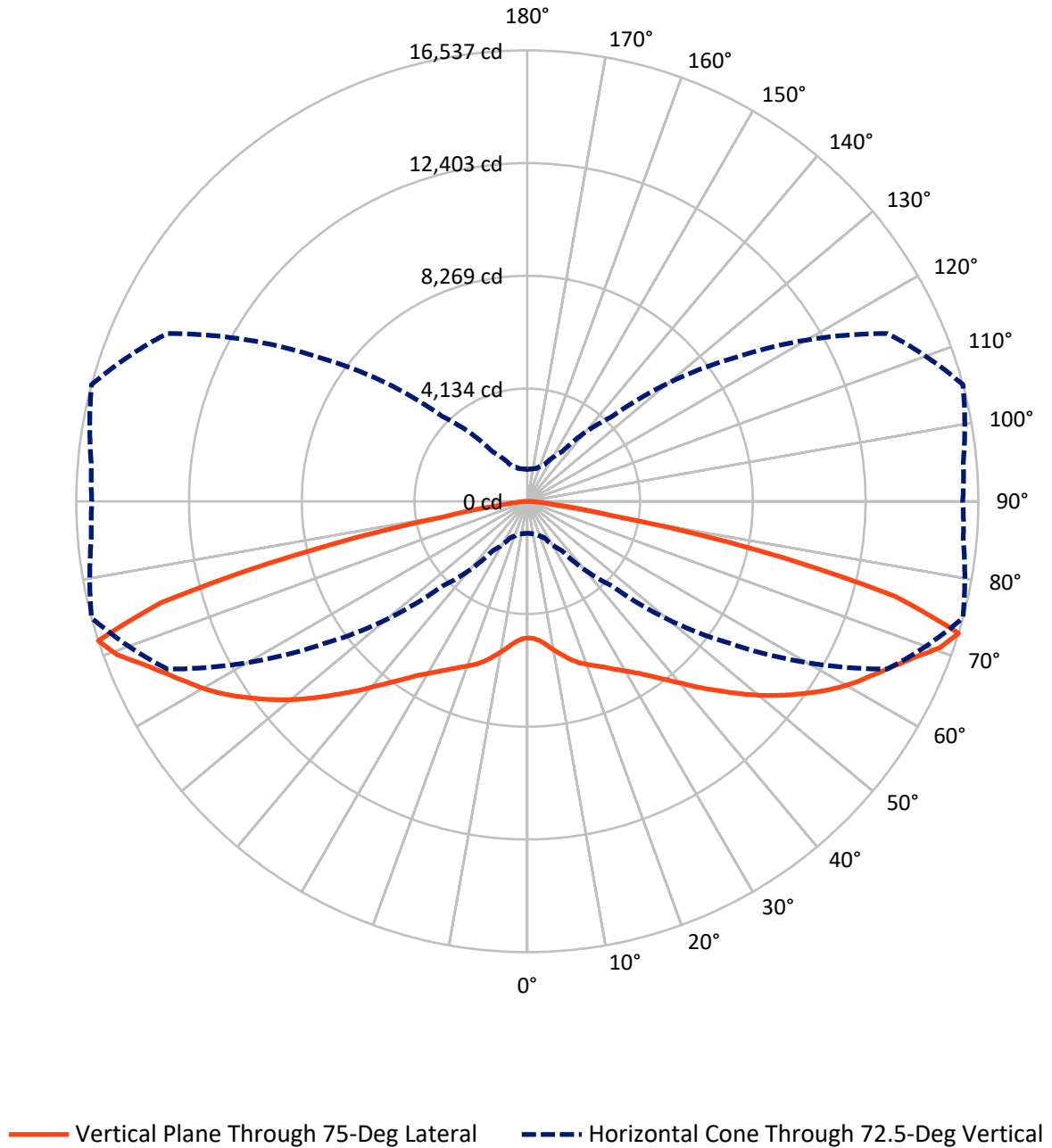
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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	23382.5	0.0	23382.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23382.5	0.0	23382.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46765.0	0.0	46765.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	490.7	1.0
10°-20°	1618.5	3.5
20°-30°	3127.3	6.7
30°-40°	5280.7	11.3
40°-50°	8374.6	17.9
50°-60°	11212.6	24.0
60°-70°	10670.8	22.8
70°-80°	5568.2	11.9
80°-90°	421.5	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°	46765.0	100.0
0°-180°	46765.0	100.0

**Coefficient of Utilization**



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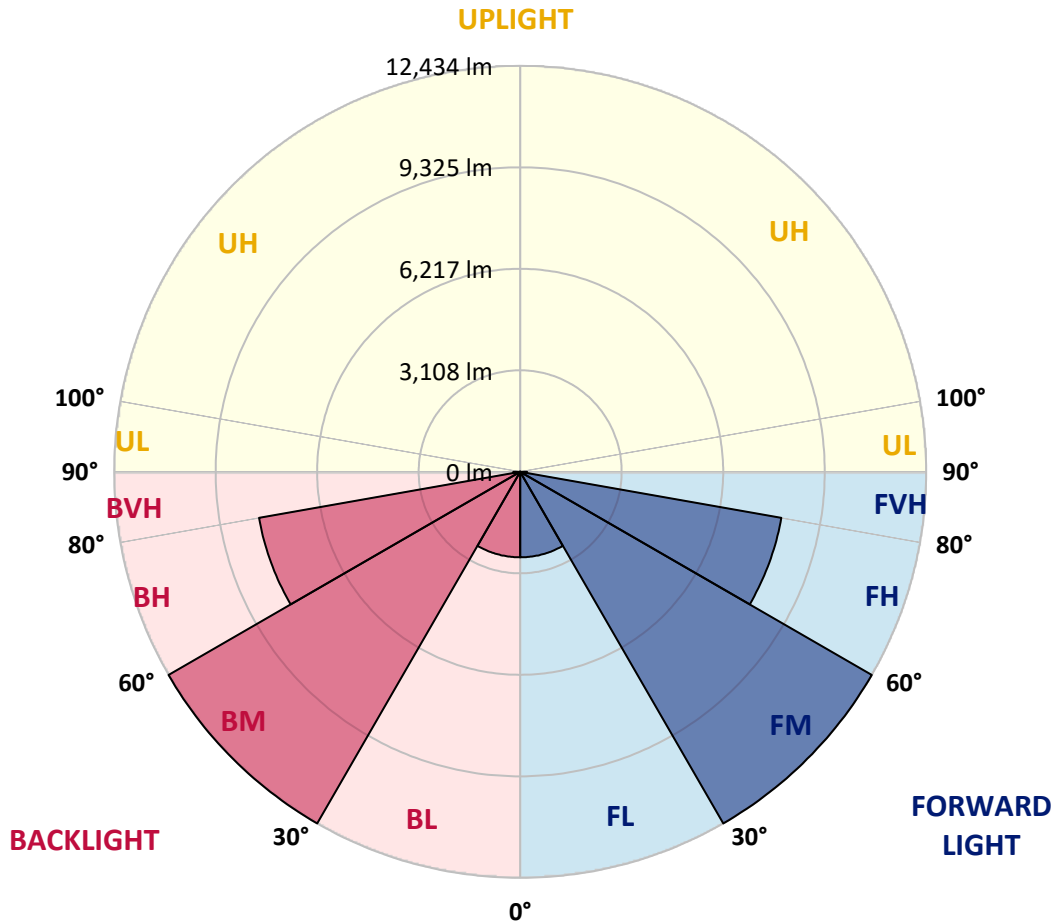
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2618.3	5.6			
FM (30°-60°)	12434.0	26.6			
FH (60°-80°)	8119.5	17.4			G4/12000
FVH (80°-90°)	210.7	0.5			G2/225
BL (0°-30°)	2618.3	5.6	B4/5000		
BM (30°-60°)	12434.0	26.6	B5		
BH (60°-80°)	8119.5	17.4	B5		G5
BVH (80°-90°)	210.7	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 III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4	5009.4
2.5°	5009.4	5004.6	5009.4	5014.1	5011.8	5011.8	5023.7	5030.9	5045.2	5042.8
5°	4975.9	4973.6	4992.7	5014.1	5030.9	5059.5	5095.3	5121.6	5155.0	5162.2
7.5°	4959.2	4952.1	4985.5	5023.7	5076.2	5147.9	5217.1	5288.7	5346.0	5365.1
10°	4971.2	4973.6	5018.9	5090.6	5174.1	5274.4	5372.3	5494.1	5575.3	5594.4
12.5°	5026.1	5021.3	5097.7	5212.3	5326.9	5453.5	5568.1	5701.8	5790.1	5835.5
15°	5126.4	5116.8	5224.3	5393.8	5560.9	5709.0	5802.1	5928.6	6031.3	6088.6
17.5°	5245.7	5250.5	5391.4	5611.1	5830.7	5997.9	6086.2	6150.7	6229.5	6279.6
20°	5455.9	5465.4	5623.0	5883.3	6134.0	6325.0	6396.6	6372.7	6394.2	6432.4
22.5°	5737.6	5742.4	5919.1	6200.8	6463.5	6673.6	6721.3	6623.4	6563.8	6590.0
25°	6064.7	6095.8	6272.5	6561.4	6831.2	7031.7	7053.2	6905.2	6757.2	6764.3
27.5°	6463.5	6492.1	6671.2	6957.7	7232.3	7406.6	7404.2	7206.0	6988.8	6933.8
30°	6895.6	6926.7	7110.5	7406.6	7662.1	7814.9	7781.5	7545.1	7234.7	7132.0
32.5°	7409.0	7428.1	7614.3	7910.4	8146.8	8268.6	8199.3	7908.0	7521.2	7404.2
35°	8029.8	8058.4	8196.9	8476.3	8684.0	8784.3	8667.3	8323.5	7888.9	7757.6
37.5°	8738.9	8719.8	8877.4	9125.7	9297.7	9359.7	9199.8	8791.5	8309.2	8154.0
40°	9479.1	9469.6	9641.5	9880.3	9973.4	10011.6	9775.2	9328.7	8793.9	8626.7
42.5°	10150.1	10142.9	10374.5	10639.5	10751.8	10708.8	10410.3	9899.4	9355.0	9163.9
45°	10687.3	10677.7	10961.9	11334.4	11554.0	11482.4	11081.3	10529.7	9923.2	9725.1
47.5°	11100.4	11105.1	11410.8	11871.6	12256.0	12282.3	11766.5	11172.0	10548.8	10324.4
50°	11398.8	11413.1	11740.3	12251.2	12776.5	13008.1	12466.1	11831.0	11195.9	10942.8
52.5°	11472.8	11499.1	11893.1	12492.4	13110.8	13552.5	13177.6	12463.7	11809.5	11568.3
55°	11078.9	11131.4	11630.4	12473.3	13316.1	13910.7	13803.2	13106.0	12427.9	12179.6
57.5°	10173.9	10248.0	10830.6	11931.3	13270.8	14156.6	14287.9	13722.0	13046.3	12807.6
60°	8906.1	8994.4	9553.1	10754.1	12630.9	14247.3	14629.4	14321.4	13614.6	13383.0
62.5°	6993.5	7108.1	7776.7	9185.4	11279.4	13824.7	14920.7	14863.4	14125.6	13836.6
65°	4486.5	4608.2	5312.6	6976.8	9476.7	12530.6	15011.4	15391.0	14665.2	14261.7
67.5°	2705.3	2760.2	3108.8	4228.6	6926.7	10579.8	14242.6	15976.0	15295.5	14794.1
70°	1731.1	1762.1	1969.8	2483.2	3915.8	7719.4	12337.2	16085.9	16059.6	15340.9
72.5°	1174.7	1184.3	1239.2	1470.8	2215.8	4386.2	9099.5	14562.5	16537.1	16045.3
75°	859.6	912.1	1000.4	1041.0	1258.3	2191.9	5214.7	10231.2	13936.9	14151.8
77.5°	639.9	642.3	764.1	811.8	897.8	1167.6	2206.2	5711.3	8653.0	9085.2
80°	542.0	513.4	511.0	654.2	675.7	728.2	986.1	1972.2	3099.2	1879.1
82.5°	451.3	420.2	379.6	511.0	460.8	446.5	427.4	802.3	986.1	484.7
85°	315.2	300.8	286.5	334.3	262.6	224.4	205.3	374.9	415.5	205.3
87.5°	136.1	140.9	143.3	148.0	109.8	78.8	78.8	105.1	105.1	81.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
5009.4  
5040.4  
5162.2  
5369.9  
5613.5  
5854.6  
6110.1  
6303.5  
6461.1  
6609.1  
6776.3  
6950.6  
7144.0  
7432.9  
7776.7  
8182.6  
8681.6  
9211.7  
9770.4  
10391.2  
11019.2  
11630.4  
12248.8  
12862.5  
13433.1  
13870.1  
14311.8  
14832.3  
15336.1  
*15968.9*  
13631.3  
8103.8  
1420.7  
413.1  
181.5  
59.7  
0.0

OF REPORT)