

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: P957136

Luminaire Tested: **GALN-SB9C-830-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9C-830-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

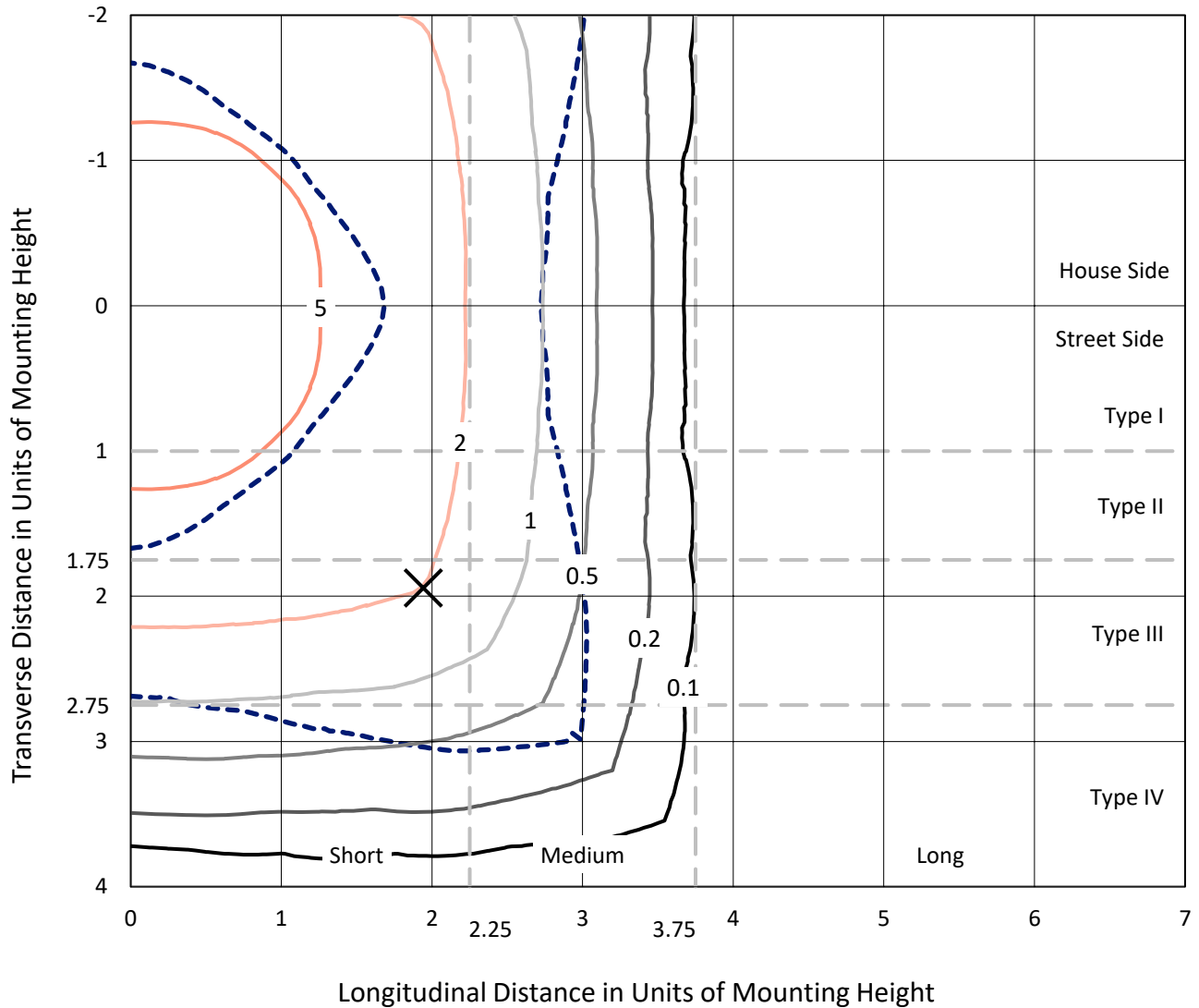
Lumens per Lamp: N/A  
Luminaire Lumens: 64190 lumens  
Efficiency: N/A  
Efficacy: 142.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

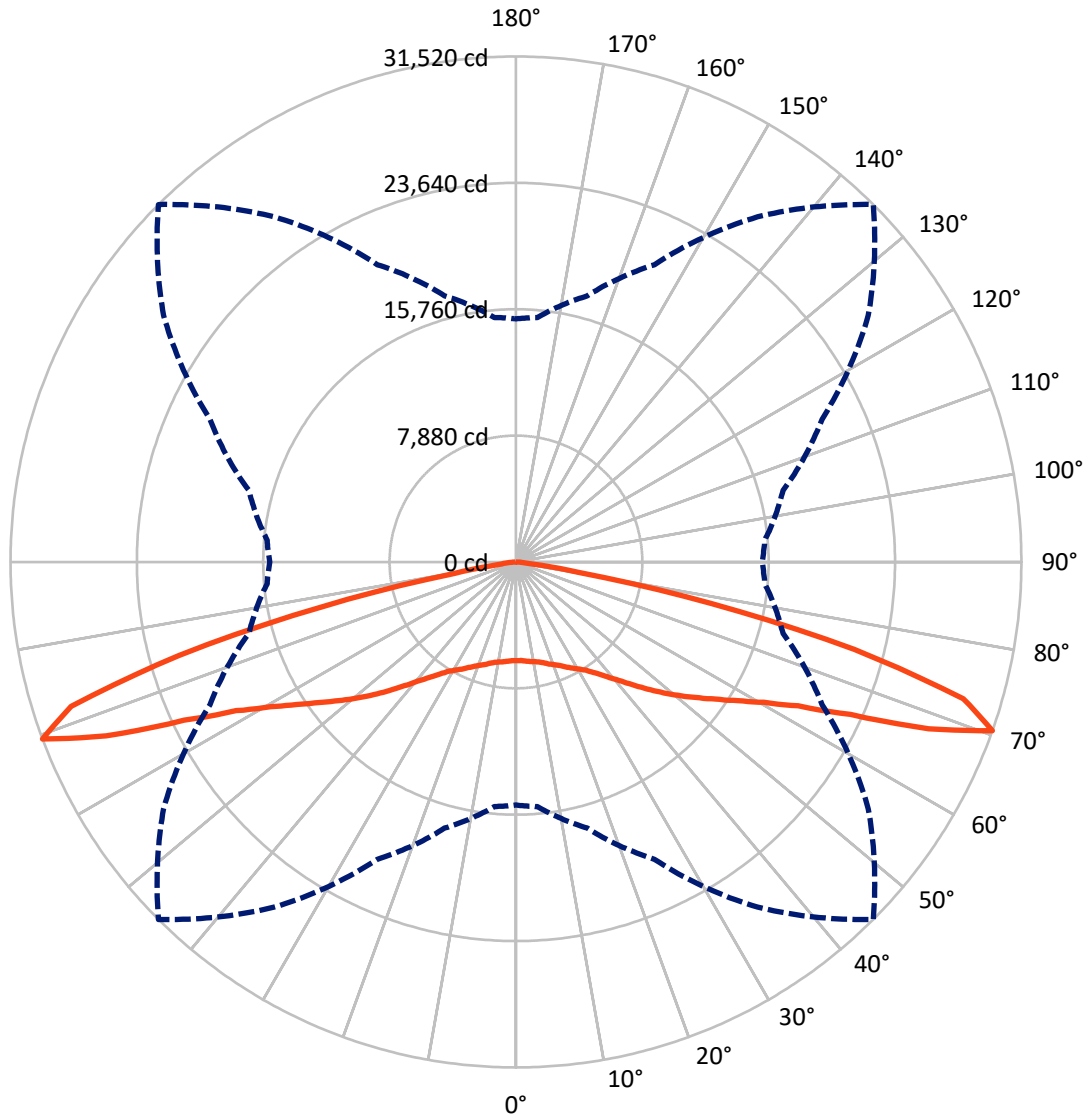
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P957136  
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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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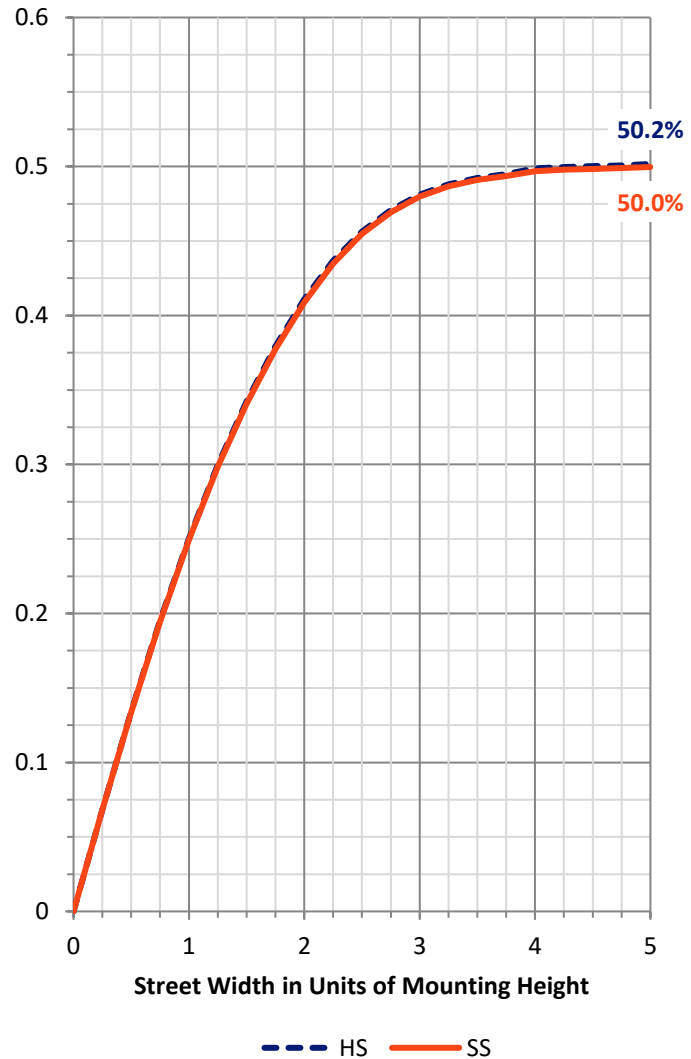
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	32095.0	0.0	32095.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	32095.0	0.0	32095.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	64190.0	0.0	64190.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	597.3	0.9
10°-20°	1852.3	2.9
20°-30°	3310.3	5.2
30°-40°	5366.0	8.4
40°-50°	8740.3	13.6
50°-60°	13326.0	20.8
60°-70°	19824.8	30.9
70°-80°	10805.1	16.8
80°-90°	368.0	0.6
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°	64190.0	100.0
0°-180°	64190.0	100.0



REPORT NUMBER: P957136

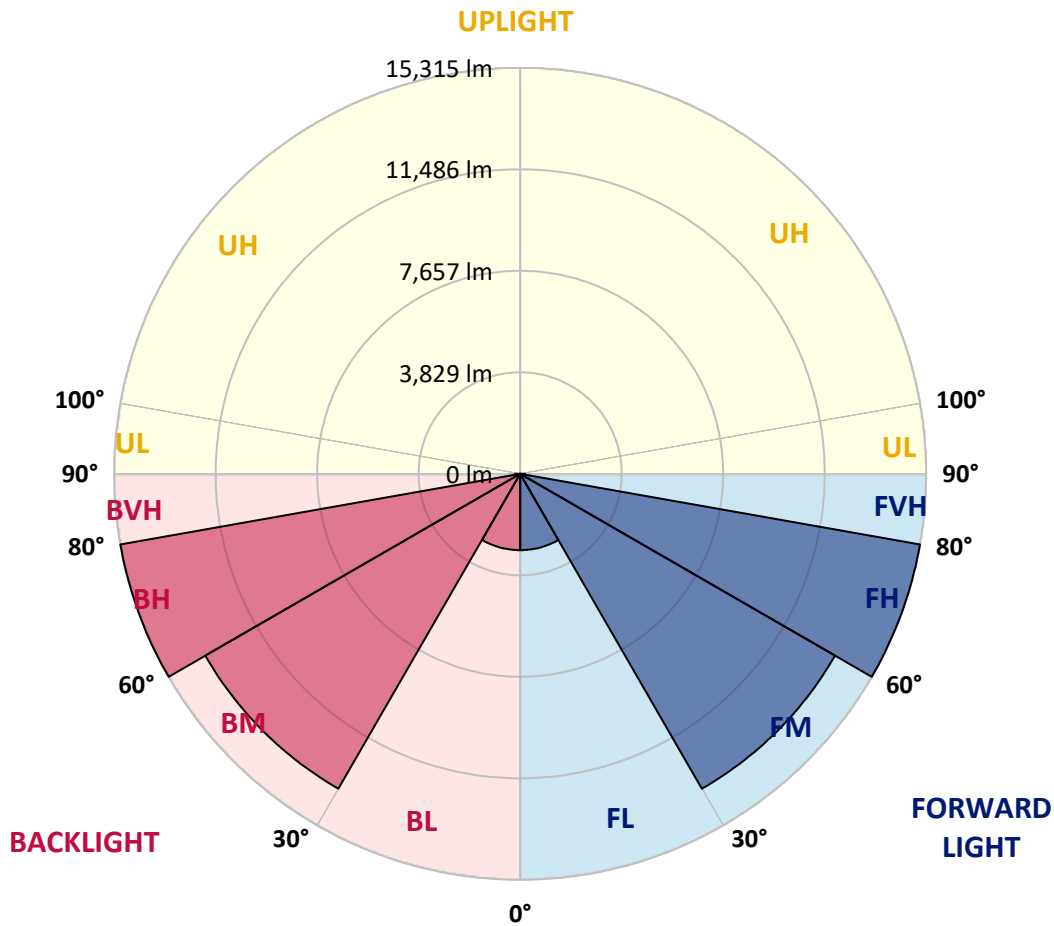
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2880.0	4.5			
FM (30°-60°)	13716.1	21.4			
FH (60°-80°)	15315.0	23.9			G5
FVH (80°-90°)	184.0	0.3			G2/225
BL (0°-30°)	2880.0	4.5	B4/5000		
BM (30°-60°)	13716.1	21.4	B5		
BH (60°-80°)	15315.0	23.9	B5		G5
BVH (80°-90°)	184.0	0.3			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 V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6148.7	6148.7	6148.7	6148.7	6148.7	6148.7	6148.7	6148.7	6148.7	6148.7
2.5°	6177.7	6184.2	6171.3	6164.9	6158.4	6148.7	6152.0	6168.1	6181.0	6177.7
5°	6229.3	6235.7	6226.1	6222.9	6210.0	6206.7	6206.7	6222.9	6232.5	6226.1
7.5°	6287.3	6297.0	6280.9	6277.6	6271.2	6264.8	6261.5	6277.6	6287.3	6287.3
10°	6342.1	6351.8	6338.9	6329.2	6322.8	6322.8	6316.3	6329.2	6345.3	6342.1
12.5°	6400.1	6406.5	6393.7	6387.2	6387.2	6396.9	6387.2	6393.7	6406.5	6400.1
15°	6471.0	6474.2	6471.0	6480.7	6496.8	6529.0	6500.0	6493.6	6500.0	6483.9
17.5°	6567.7	6574.1	6587.0	6609.6	6632.1	6690.1	6638.6	6622.5	6622.5	6590.2
20°	6686.9	6696.6	6715.9	6754.6	6783.6	6838.4	6786.8	6764.3	6754.6	6712.7
22.5°	6812.6	6828.7	6857.7	6909.3	6960.8	7012.4	6960.8	6922.2	6893.2	6838.4
25°	6957.6	6976.9	7022.1	7105.9	7176.7	7250.9	7189.6	7112.3	7054.3	6976.9
27.5°	7163.9	7186.4	7241.2	7344.3	7434.6	7499.0	7441.0	7341.1	7260.5	7167.1
30°	7453.9	7476.5	7540.9	7650.5	7711.7	7753.6	7714.9	7637.6	7540.9	7434.6
32.5°	7827.7	7856.7	7927.6	8030.7	8043.6	8050.1	8037.2	7998.5	7927.6	7798.7
35°	8301.4	8333.7	8414.2	8498.0	8485.1	8498.0	8478.7	8465.8	8414.2	8266.0
37.5°	8881.5	8920.2	9004.0	9068.4	9036.2	9020.1	9023.3	9026.5	8997.5	8833.2
40°	9555.0	9606.6	9667.8	9735.5	9680.7	9632.4	9664.6	9690.4	9664.6	9497.0
42.5°	10247.9	10322.0	10386.5	10483.1	10438.0	10376.8	10421.9	10450.9	10396.1	10215.7
45°	11018.1	11089.0	11172.8	11317.8	11285.6	11221.1	11285.6	11292.0	11198.6	10985.9
47.5°	11814.1	11888.2	12013.9	12207.2	12194.4	12123.5	12207.2	12162.1	12042.9	11788.3
50°	12568.2	12671.3	12864.7	13135.4	13161.1	13074.1	13186.9	13099.9	12900.1	12581.1
52.5°	13277.1	13386.7	13692.9	14060.2	14153.7	14040.9	14192.4	14040.9	13741.2	13331.9
55°	14021.6	14144.0	14508.2	14988.4	15175.3	15091.5	15233.3	15004.5	14579.1	14082.8
57.5°	14898.1	14972.2	15407.3	15977.7	16293.5	16312.8	16377.3	15990.6	15475.0	14911.0
60°	15848.8	15951.9	16425.6	17108.8	17608.3	17769.5	17701.8	17128.2	16528.8	15881.0
62.5°	17066.9	17179.7	17746.9	18565.4	19355.0	19754.6	19490.3	18658.9	17917.7	17141.1
65°	18075.6	18201.3	19226.1	20685.9	22123.2	22925.6	22261.8	20731.0	19396.9	18301.2
67.5°	17344.1	17498.8	19106.8	21788.1	25361.9	27756.3	25484.4	22116.8	19503.2	18017.6
70°	15159.2	15304.2	17179.7	20457.1	26273.9	31520.3	26821.8	21059.7	17241.0	15578.1
72.5°	10064.2	10531.5	12429.6	16361.2	23460.6	29167.8	23692.6	16029.3	11530.5	10041.6
75°	3338.6	3712.4	5007.9	8481.9	15713.4	21813.8	14959.4	7505.5	3967.0	2855.2
77.5°	841.1	970.0	1337.4	2426.6	6268.0	12419.9	5642.8	1981.9	1079.6	754.1
80°	409.3	451.2	644.5	808.9	1569.4	3947.7	1472.7	760.5	509.2	393.2
82.5°	225.6	228.8	364.2	457.6	583.3	1021.6	605.9	444.7	293.3	238.5
85°	138.6	135.3	193.4	244.9	244.9	364.2	290.0	244.9	167.6	148.2
87.5°	54.8	54.8	70.9	77.3	67.7	93.5	74.1	80.6	64.5	61.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6148.7
6181.0
6229.3
6287.3
6342.1
6396.9
6483.9
6590.2
6712.7
6835.2
6973.7
7163.9
7434.6
7801.9
8266.0
8833.2
9497.0
10228.6
11008.4
11772.2
12574.6
13293.3
14015.1
14833.7
15777.9
17005.7
18120.7
17795.2
15355.7
9716.2
2700.5
673.5
360.9
238.5
154.7
64.5
0.0

OF REPORT)