

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: P957598

Luminaire Tested: **GALN-SB9D-930-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957598  
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-SB9D-930-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

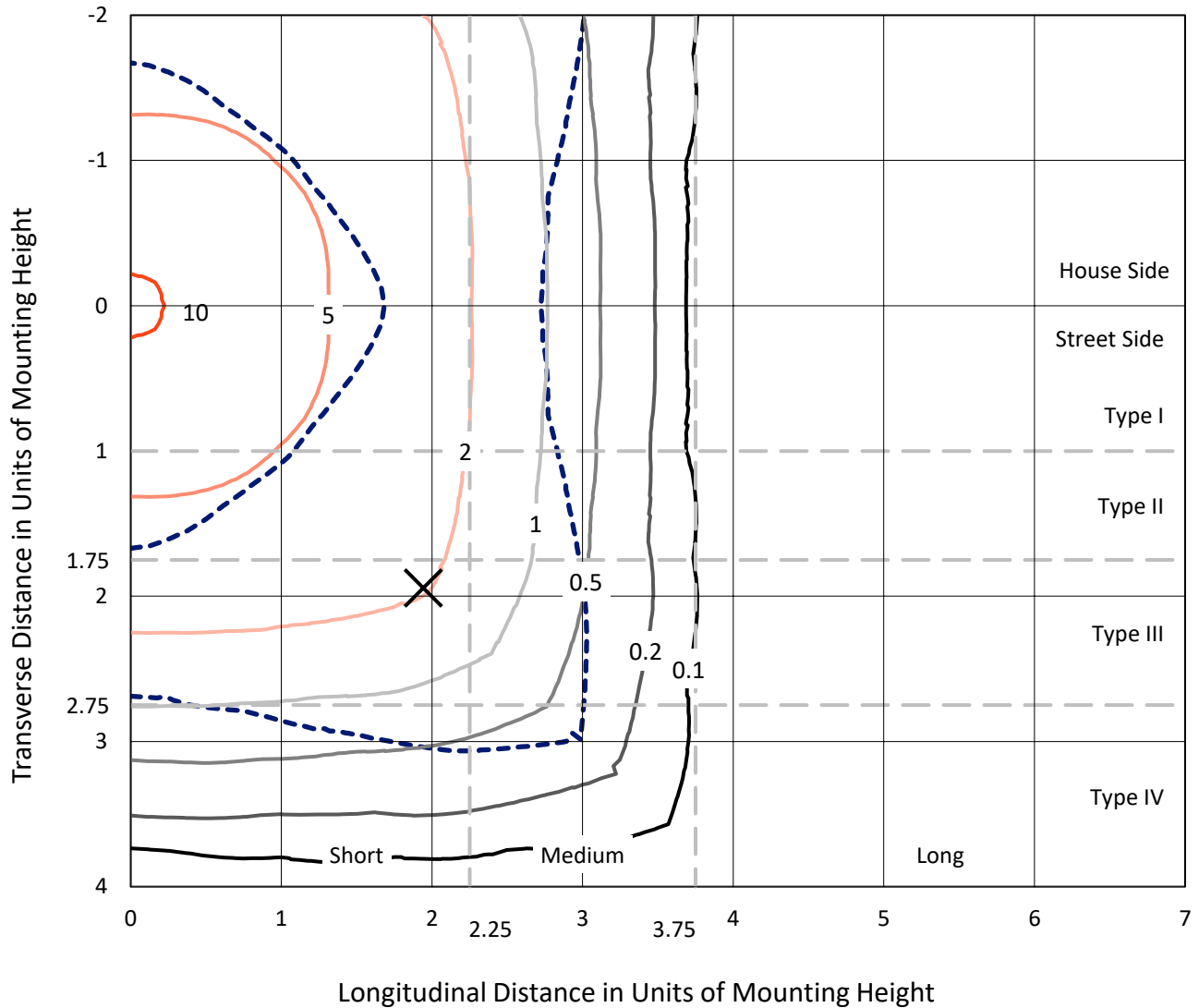
Lumens per Lamp: N/A  
Luminaire Lumens: 67525 lumens  
Efficiency: N/A  
Efficacy: 102.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

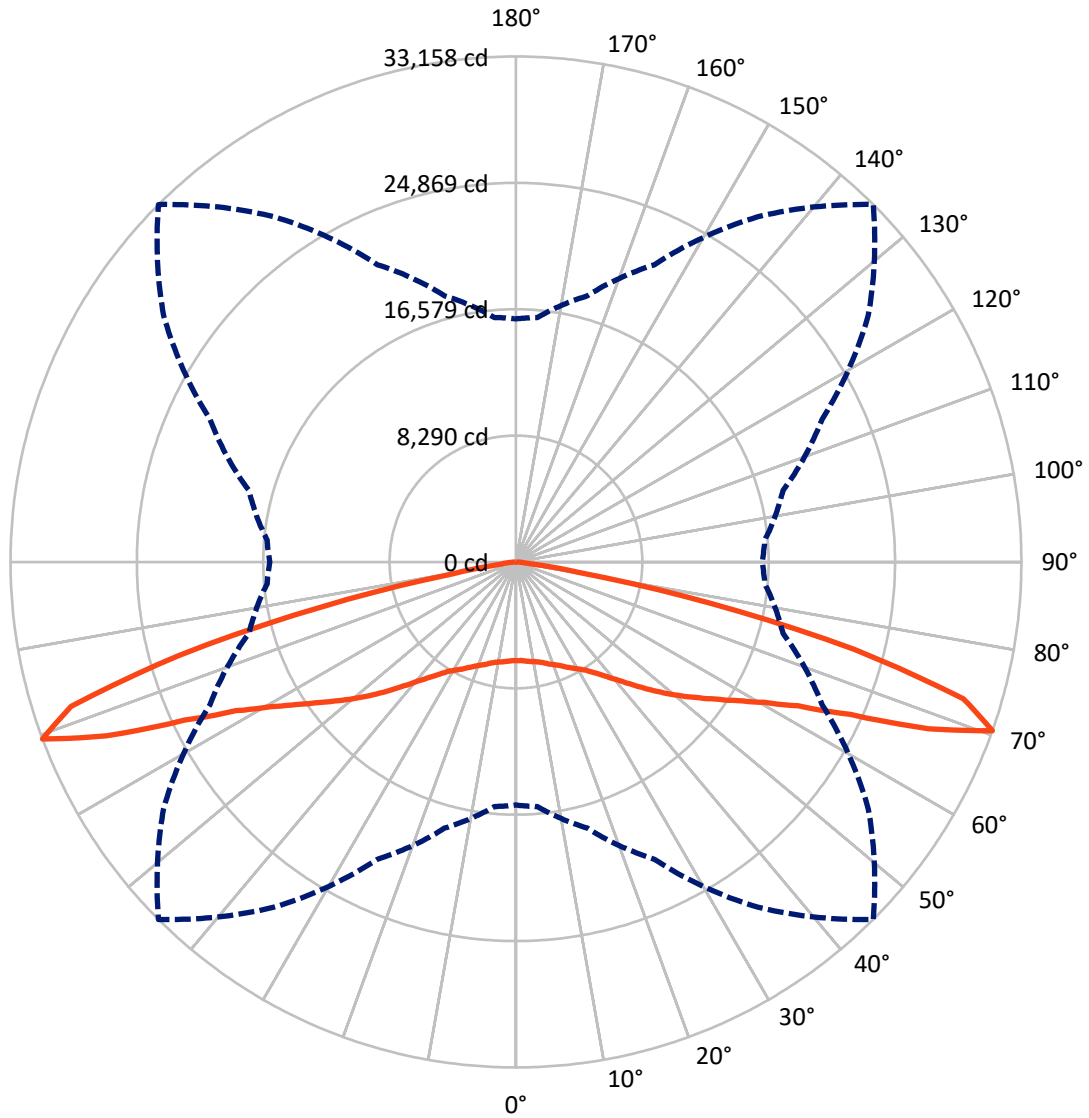
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type V - Short - N/A

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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	33762.5	0.0	33762.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	33762.5	0.0	33762.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	67525.0	0.0	67525.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.4	0.9
10°-20°	1948.6	2.9
20°-30°	3482.3	5.2
30°-40°	5644.7	8.4
40°-50°	9194.4	13.6
50°-60°	14018.3	20.8
60°-70°	20854.8	30.9
70°-80°	11366.5	16.8
80°-90°	387.1	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°	67525.0	100.0
0°-180°	67525.0	100.0



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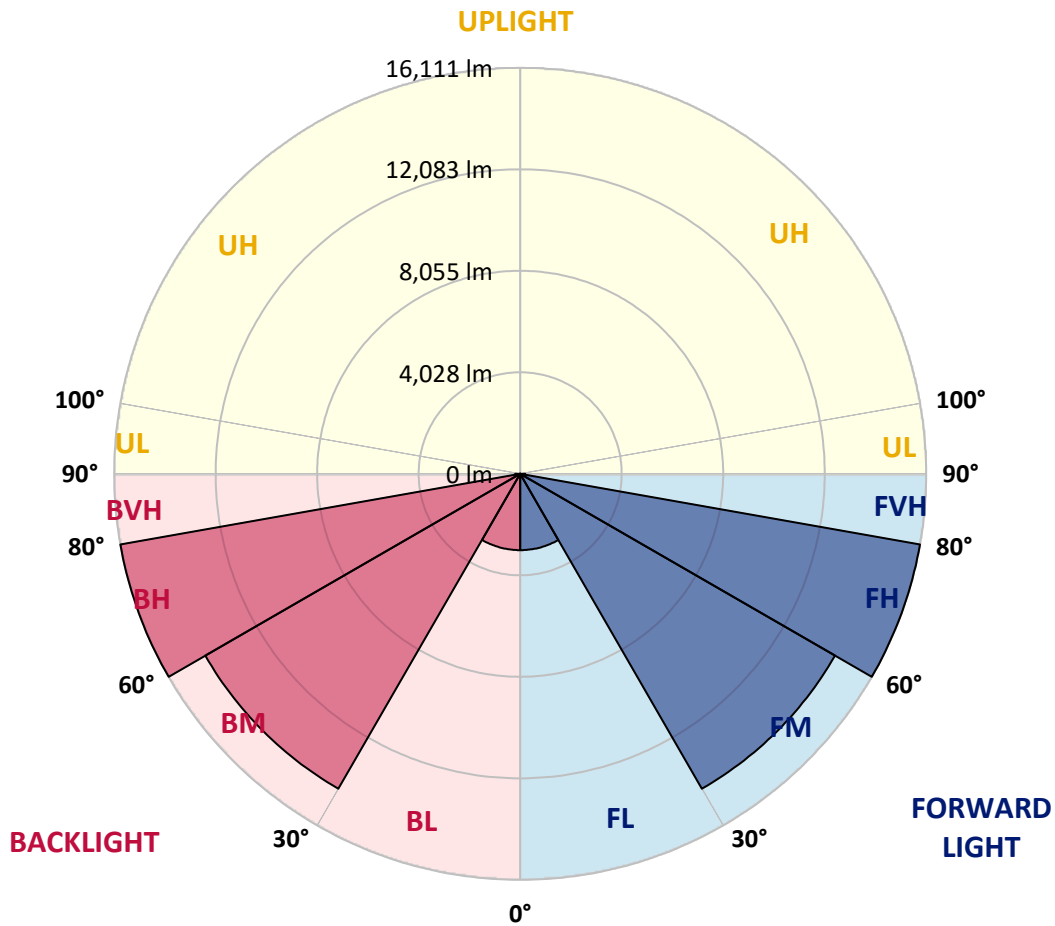
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3029.6	4.5			
FM (30°-60°)	14428.7	21.4			
FH (60°-80°)	16110.6	23.9			G5
FVH (80°-90°)	193.5	0.3			G2/225
BL (0°-30°)	3029.6	4.5	B4/5000		
BM (30°-60°)	14428.7	21.4	B5		
BH (60°-80°)	16110.6	23.9	B5		G5
BVH (80°-90°)	193.5	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°	6468.2	6468.2	6468.2	6468.2	6468.2	6468.2	6468.2	6468.2	6468.2	6468.2
2.5°	6498.7	6505.5	6491.9	6485.1	6478.4	6468.2	6471.6	6488.5	6502.1	6498.7
5°	6552.9	6559.7	6549.6	6546.2	6532.6	6529.2	6529.2	6546.2	6556.3	6549.6
7.5°	6614.0	6624.1	6607.2	6603.8	6597.0	6590.2	6586.8	6603.8	6614.0	6614.0
10°	6671.6	6681.8	6668.2	6658.0	6651.3	6651.3	6644.5	6658.0	6675.0	6671.6
12.5°	6732.6	6739.4	6725.8	6719.1	6719.1	6729.2	6719.1	6725.8	6739.4	6732.6
15°	6807.2	6810.6	6807.2	6817.4	6834.3	6868.2	6837.7	6830.9	6837.7	6820.8
17.5°	6908.9	6915.7	6929.2	6953.0	6976.7	7037.7	6983.5	6966.5	6966.5	6932.6
20°	7034.3	7044.5	7064.8	7105.5	7136.0	7193.7	7139.4	7115.7	7105.5	7061.5
22.5°	7166.5	7183.5	7214.0	7268.2	7322.5	7376.7	7322.5	7281.8	7251.3	7193.7
25°	7319.1	7339.4	7386.9	7475.0	7549.6	7627.6	7563.2	7481.8	7420.8	7339.4
27.5°	7536.1	7559.8	7617.4	7725.9	7820.8	7888.6	7827.6	7722.5	7637.8	7539.4
30°	7841.2	7864.9	7932.7	8048.0	8112.4	8156.4	8115.8	8034.4	7932.7	7820.8
32.5°	8234.4	8264.9	8339.5	8448.0	8461.5	8468.3	8454.8	8414.1	8339.5	8203.9
35°	8732.7	8766.6	8851.4	8939.5	8926.0	8939.5	8919.2	8905.6	8851.4	8695.5
37.5°	9342.9	9383.6	9471.8	9539.6	9505.7	9488.7	9492.1	9495.5	9465.0	9292.1
40°	10051.5	10105.7	10170.1	10241.3	10183.7	10132.8	10166.7	10193.8	10166.7	9990.4
42.5°	10780.3	10858.3	10926.1	11027.8	10980.3	10915.9	10963.4	10993.9	10936.3	10746.4
45°	11590.5	11665.1	11753.3	11905.8	11871.9	11804.1	11871.9	11878.7	11780.4	11556.6
47.5°	12427.9	12505.9	12638.1	12841.5	12827.9	12753.3	12841.5	12794.0	12668.6	12400.8
50°	13221.2	13329.6	13533.0	13817.8	13844.9	13753.4	13872.0	13780.5	13570.3	13234.7
52.5°	13967.0	14082.2	14404.3	14790.7	14889.1	14770.4	14929.7	14770.4	14455.1	14024.6
55°	14750.1	14878.9	15262.0	15767.1	15963.7	15875.6	16024.7	15784.0	15336.5	14814.5
57.5°	15672.2	15750.1	16207.8	16807.8	17140.0	17160.4	17228.2	16821.4	16279.0	15685.7
60°	16672.2	16780.7	17279.0	17997.7	18523.2	18692.7	18621.5	18018.1	17387.5	16706.1
62.5°	17953.7	18072.3	18668.9	19530.0	20360.6	20780.9	20503.0	19628.3	18848.6	18031.6
65°	19014.7	19146.9	20225.0	21760.7	23272.6	24116.7	23418.4	21808.1	20404.7	19252.0
67.5°	18245.2	18407.9	20099.5	22920.1	26679.6	29198.4	26808.4	23265.8	20516.5	18953.7
70°	15946.7	16099.3	18072.3	21520.0	27639.0	33158.0	28215.3	22153.9	18136.7	16387.5
72.5°	10587.1	11078.7	13075.4	17211.2	24679.5	30683.3	24923.6	16862.1	12129.6	10563.4
75°	3512.1	3905.3	5268.1	8922.6	16529.8	22947.2	15736.6	7895.4	4173.1	3003.6
77.5°	884.8	1020.4	1406.9	2552.7	6593.6	13065.2	5936.0	2084.9	1135.7	793.3
80°	430.5	474.6	678.0	850.9	1650.9	4152.8	1549.2	800.0	535.6	413.6
82.5°	237.3	240.7	383.1	481.4	613.6	1074.6	637.3	467.8	308.5	250.9
85°	145.8	142.4	203.4	257.6	257.6	383.1	305.1	257.6	176.3	155.9
87.5°	57.6	57.6	74.6	81.4	71.2	98.3	78.0	84.8	67.8	64.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
6468.2  
6502.1  
6552.9  
6614.0  
6671.6  
6729.2  
6820.8  
6932.6  
7061.5  
7190.3  
7336.0  
7536.1  
7820.8  
8207.3  
8695.5  
9292.1  
9990.4  
10760.0  
11580.4  
12383.8  
13227.9  
13983.9  
14743.3  
15604.4  
16597.6  
17889.2  
19062.2  
18719.8  
**16153.5**  
10221.0  
2840.9  
708.5  
379.7  
250.9  
162.7  
67.8  
0.0

OF REPORT)