

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: P944233

Luminaire Tested: **GALN-SB9A-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB9A-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36319 lumens  
Efficiency: N/A  
Efficacy: 142.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

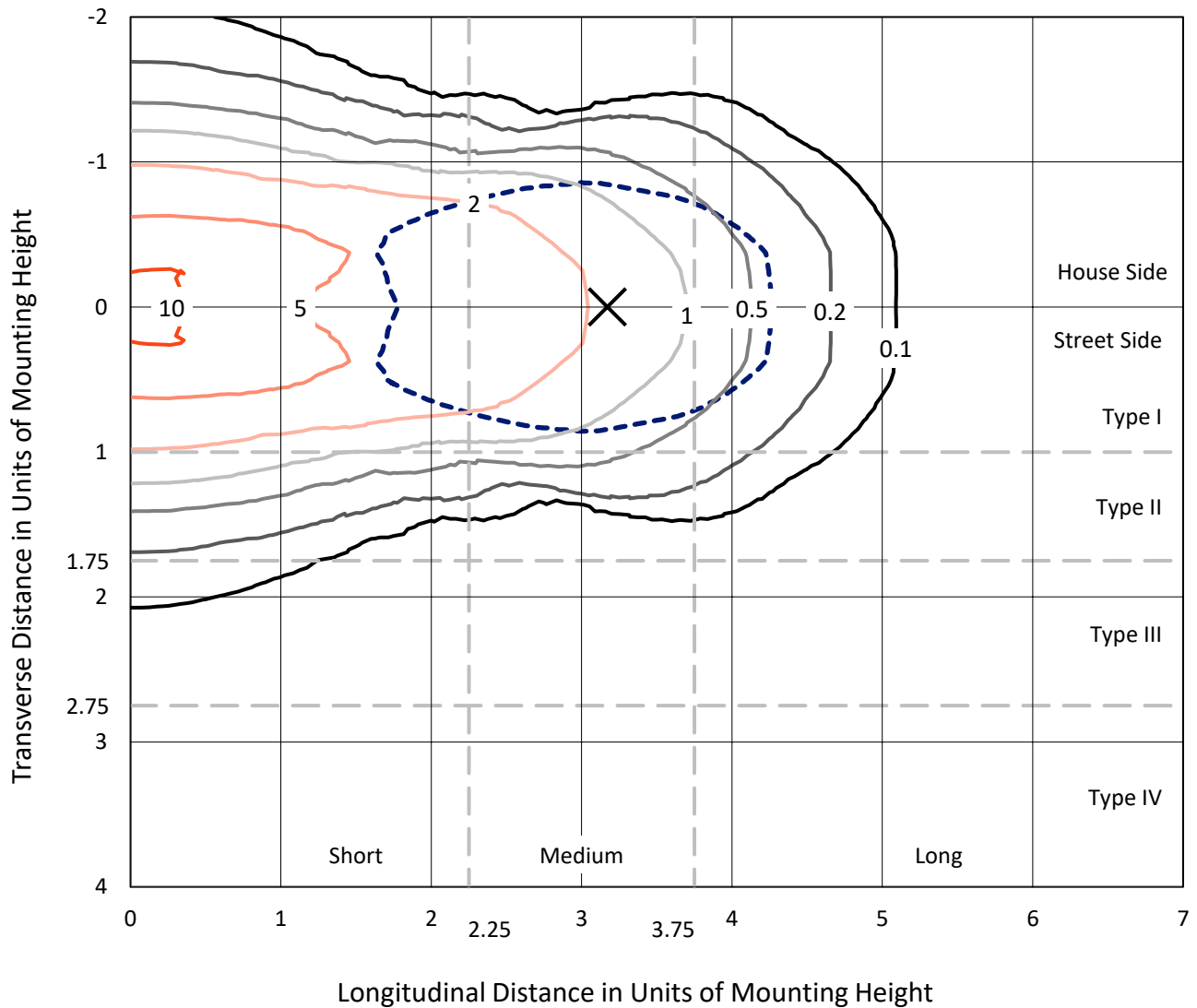
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

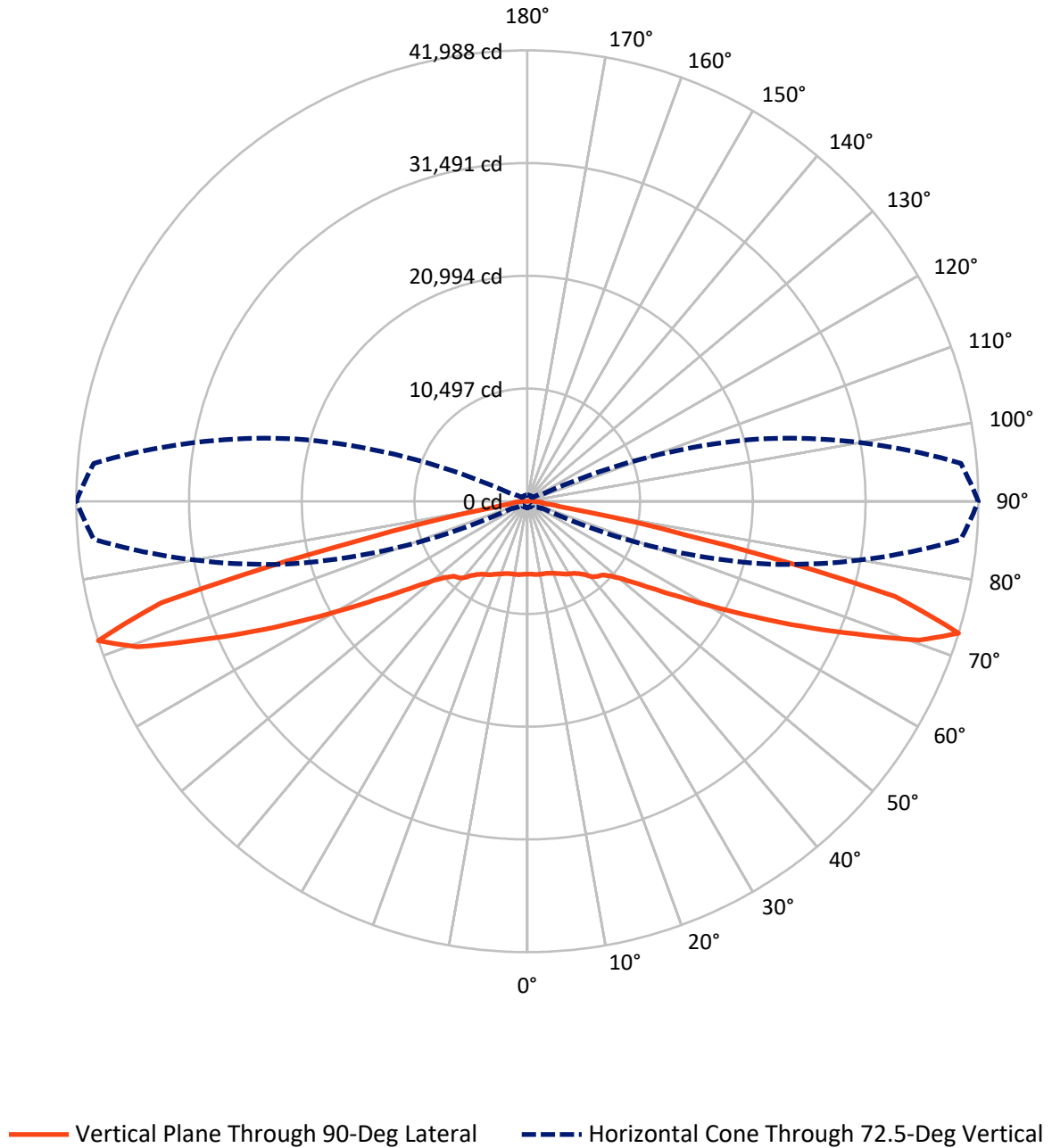
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18159.5	0.0	18159.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18159.5	0.0	18159.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36319.0	0.0	36319.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	658.0	1.8
10°-20°	2012.0	5.5
20°-30°	3354.9	9.2
30°-40°	4614.0	12.7
40°-50°	5634.9	15.5
50°-60°	6517.4	17.9
60°-70°	7770.9	21.4
70°-80°	5423.6	14.9
80°-90°	333.1	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°	36319.0	100.0
0°-180°	36319.0	100.0

**Coefficient of Utilization**



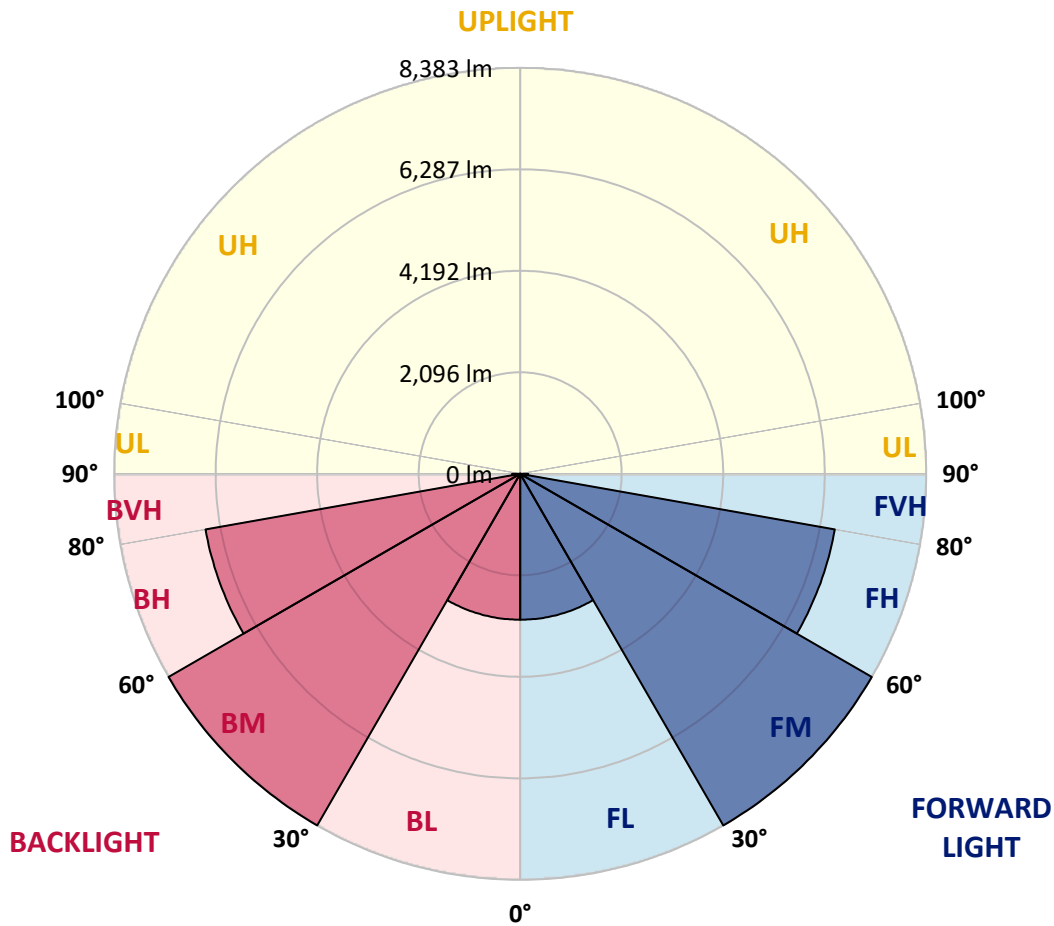
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3012.5	8.3			
FM (30°-60°)	8383.2	23.1			
FH (60°-80°)	6597.3	18.2			G3/7500
FVH (80°-90°)	166.6	0.5			G2/225
BL (0°-30°)	3012.5	8.3	B4/5000		
BM (30°-60°)	8383.2	23.1	B4/8500		
BH (60°-80°)	6597.3	18.2	B5		G5
BVH (80°-90°)	166.6	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6786.6	6786.6	6786.6	6786.6	6786.6	6786.6	6786.6	6786.6	6786.6	6786.6
2.5°	6792.4	6800.1	6800.1	6794.3	6807.8	6796.2	6796.2	6790.4	6796.2	6790.4
5°	6827.1	6836.8	6840.6	6838.7	6856.1	6846.4	6846.4	6838.7	6840.6	6834.8
7.5°	6892.7	6906.3	6914.0	6923.6	6948.7	6937.1	6929.4	6906.3	6896.6	6881.2
10°	6914.0	6929.4	6954.5	7004.7	7062.6	7064.5	7041.4	6983.5	6939.1	6904.3
12.5°	6848.4	6869.6	6921.7	7024.0	7153.3	7205.4	7168.8	7072.3	6985.4	6923.6
15°	6765.4	6788.5	6867.7	7022.1	7213.2	7334.8	7330.9	7203.5	7064.5	6968.0
17.5°	6636.0	6659.2	6773.1	6989.3	7259.5	7460.2	7514.3	7383.0	7188.1	7058.7
20°	6402.5	6423.7	6582.0	6885.0	7274.9	7593.4	7734.3	7618.5	7375.3	7199.7
22.5°	6099.4	6132.3	6317.5	6705.5	7238.3	7732.4	7985.2	7906.1	7593.4	7350.2
25°	5775.2	5809.9	6026.1	6485.5	7143.7	7832.8	8282.5	8232.3	7840.5	7537.4
27.5°	5495.3	5532.0	5767.4	6267.4	6997.0	7871.4	8575.9	8601.0	8139.7	7744.0
30°	5275.2	5310.0	5560.9	6091.7	6807.8	7832.8	8832.6	9006.3	8444.6	7923.5
32.5°	5034.0	5078.4	5342.8	5877.5	6583.9	7740.1	9056.5	9444.5	8797.9	8116.5
35°	4729.0	4769.5	5047.5	5584.1	6290.5	7591.5	9243.7	9930.9	9303.6	8409.9
37.5°	4358.4	4397.0	4673.0	5217.3	5999.1	7383.0	9386.6	10479.1	9905.8	8832.6
40°	3985.9	4022.5	4281.2	4808.1	5649.7	7116.7	9436.8	11015.7	10596.8	9413.6
42.5°	3644.2	3677.0	3914.4	4404.7	5257.9	6776.9	9371.1	11482.8	11216.4	9818.9
45°	3329.6	3358.6	3568.9	4026.4	4850.6	6363.9	9174.2	11984.6	11953.7	10108.5
47.5°	2970.6	2999.5	3217.6	3659.7	4443.3	5879.4	8840.3	12478.8	12978.7	10764.7
50°	2532.4	2557.5	2781.4	3236.9	4020.6	5364.0	8377.1	12866.7	14271.9	11758.8
52.5°	2013.2	2040.2	2258.3	2713.9	3518.8	4810.1	7767.1	13119.6	15765.9	13210.3
55°	1497.8	1517.1	1706.3	2115.5	2897.2	4178.9	7002.8	13191.0	17460.6	15194.5
57.5°	1086.7	1098.3	1219.9	1524.9	2196.6	3389.4	6074.3	13005.7	19477.7	17738.6
60°	880.2	884.0	920.7	1055.8	1526.8	2497.7	4952.9	12368.7	21666.5	21018.0
62.5°	799.1	799.1	808.8	845.4	1032.7	1648.4	3596.0	11048.5	24013.6	25162.1
65°	743.1	743.1	747.0	764.4	814.5	1050.0	2269.9	8898.2	25992.1	30016.6
67.5°	692.9	694.9	692.9	698.7	727.7	775.9	1316.4	6145.8	27057.6	35046.7
70°	640.8	644.7	635.0	635.0	658.2	660.1	824.2	3370.1	26173.5	39262.2
72.5°	579.1	584.9	569.4	565.5	582.9	575.2	619.6	1617.5	22471.4	40520.7
75°	525.0	532.7	498.0	488.3	488.3	482.6	503.8	830.0	14584.6	33054.7
77.5°	476.8	492.2	436.2	405.3	397.6	380.2	411.1	507.6	6379.3	15518.8
80°	393.8	415.0	359.0	322.3	308.8	289.5	324.3	355.2	1897.4	3603.7
82.5°	293.4	303.0	254.8	229.7	218.1	204.6	243.2	247.1	617.7	1275.9
85°	187.2	191.1	156.3	135.1	129.3	123.5	154.4	135.1	235.5	938.1
87.5°	65.6	75.3	59.8	54.0	57.9	48.3	71.4	40.5	65.6	662.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6786.6  
6790.4  
6834.8  
6881.2  
6898.5  
6914.0  
6952.6  
7037.5  
7166.8  
7305.8  
7475.7  
7678.3  
7828.9  
7996.8  
8276.7  
8655.0  
9224.4  
9575.7  
9780.3  
10386.4  
11284.0  
12625.4  
14463.0  
16817.8  
19857.9  
23608.3  
28051.6  
32925.4  
38704.4  
41987.7  
35355.5  
15196.5  
3451.2  
1441.9  
1362.7  
820.3  
0.0

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