

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: P944073

Luminaire Tested: **GALN-SB8D-835-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P944073  
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-SB8D-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 75503 lumens  
Efficiency: N/A  
Efficacy: 129.1 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

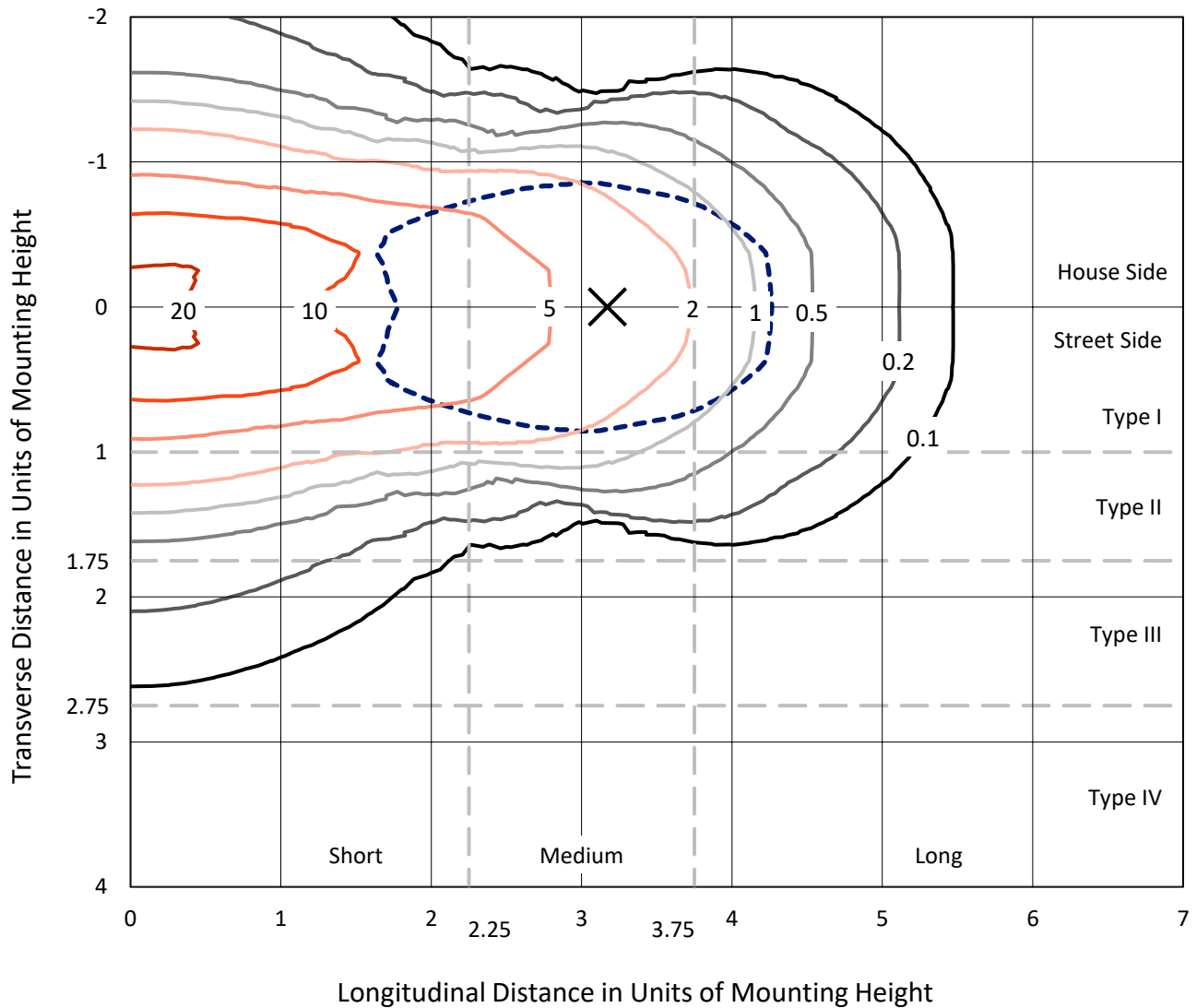
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P944073  
 CATALOG NUMBER: GALN-SB8D-835-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

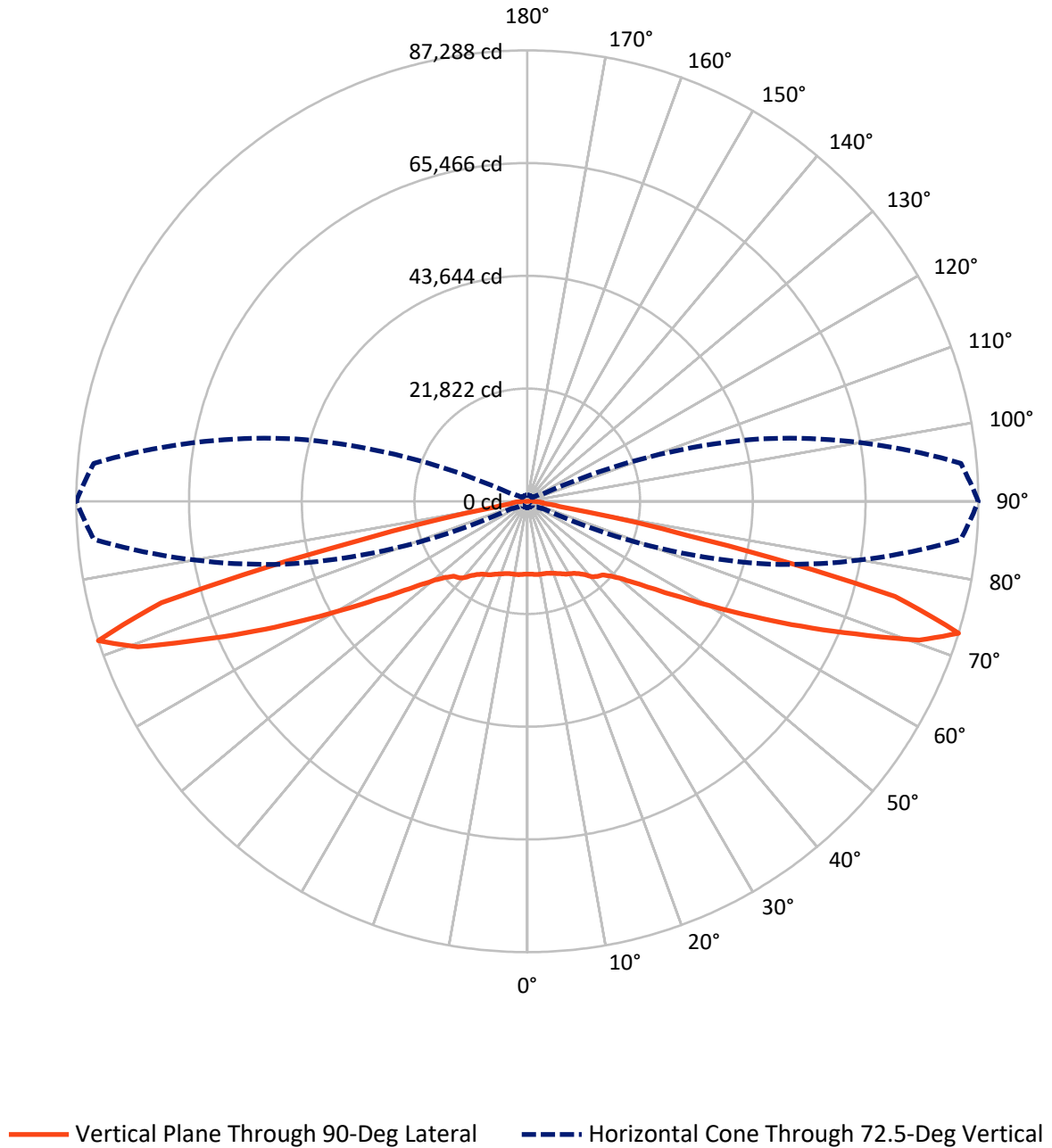
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.6 fc  
 Type I - Short - N/A

REPORT NUMBER: P944073  
CATALOG NUMBER: GALN-SB8D-835-U-T1

### Luminous Intensity Polar Plot



REPORT NUMBER: P944073

CATALOG NUMBER: GALN-SB8D-835-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	37751.5	0.0	37751.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	37751.5	0.0	37751.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	75503.0	0.0	75503.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1368.0	1.8
10°-20°	4182.8	5.5
20°-30°	6974.4	9.2
30°-40°	9592.0	12.7
40°-50°	11714.4	15.5
50°-60°	13549.0	17.9
60°-70°	16154.9	21.4
70°-80°	11275.1	14.9
80°-90°	692.5	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°	75503.0	100.0
0°-180°	75503.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P944073

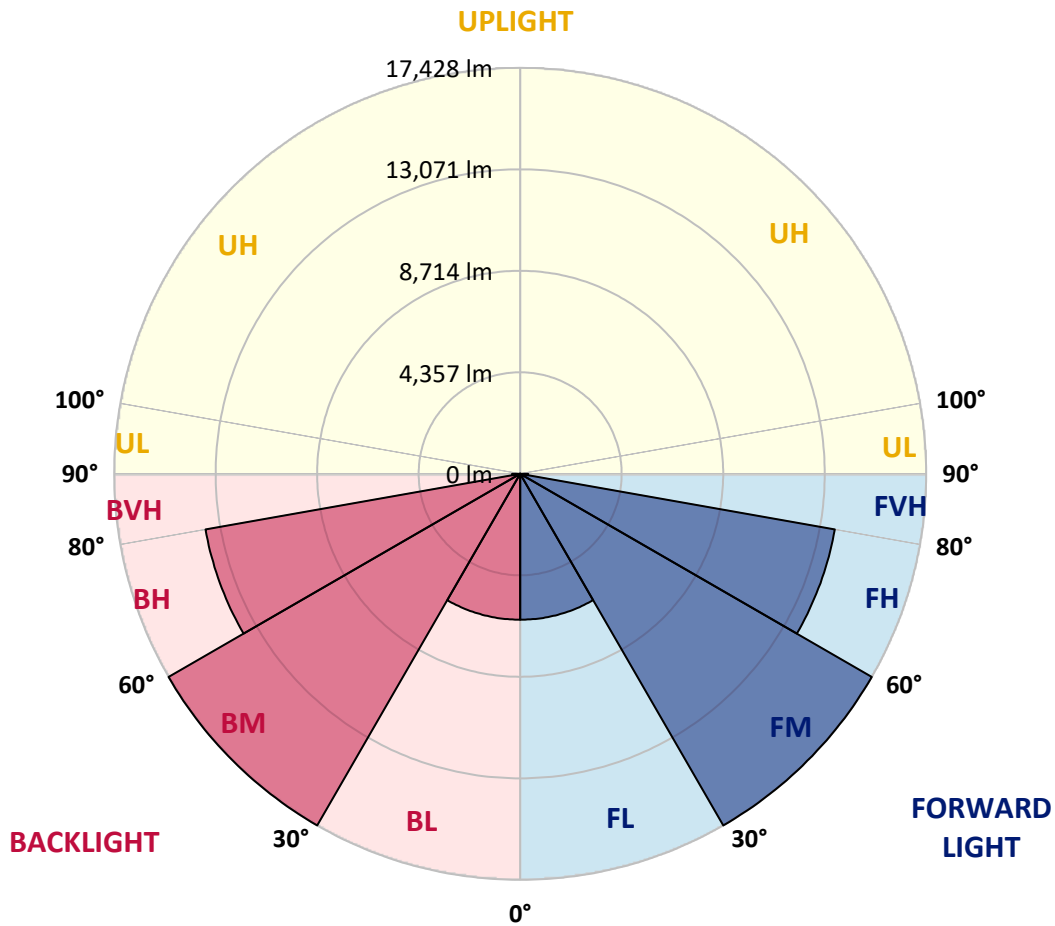
CATALOG NUMBER: GALN-SB8D-835-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6262.6	8.3			
FM (30°-60°)	17427.7	23.1			
FH (60°-80°)	13715.0	18.2			G5
FVH (80°-90°)	346.3	0.5			G3/500
BL (0°-30°)	6262.6	8.3	B5		
BM (30°-60°)	17427.7	23.1	B5		
BH (60°-80°)	13715.0	18.2	B5		G5
BVH (80°-90°)	346.3	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 I Short



REPORT NUMBER: P944073

CATALOG NUMBER: GALN-SB8D-835-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	14108.5	14108.5	14108.5	14108.5	14108.5	14108.5	14108.5	14108.5	14108.5	14108.5
2.5°	14120.6	14136.6	14136.6	14124.6	14152.7	14128.6	14128.6	14116.6	14128.6	14116.6
5°	14192.8	14212.9	14220.9	14216.9	14253.0	14232.9	14232.9	14216.9	14220.9	14208.8
7.5°	14329.2	14357.3	14373.4	14393.4	14445.6	14421.5	14405.5	14357.3	14337.3	14305.2
10°	14373.4	14405.5	14457.6	14562.0	14682.3	14686.4	14638.2	14517.8	14425.5	14353.3
12.5°	14236.9	14281.1	14389.4	14602.1	14870.9	14979.3	14903.0	14702.4	14521.8	14393.4
15°	14064.4	14112.5	14277.1	14598.1	14995.3	15248.1	15240.1	14975.3	14686.4	14485.7
17.5°	13795.5	13843.7	14080.4	14529.9	15091.6	15509.0	15621.3	15348.4	14943.2	14674.3
20°	13310.0	13354.2	13683.2	14313.2	15123.7	15785.8	16078.8	15838.0	15332.4	14967.2
22.5°	12680.0	12748.2	13133.5	13940.0	15047.5	16074.7	16600.4	16435.9	15785.8	15280.2
25°	12005.9	12078.1	12527.5	13482.6	14850.9	16283.4	17218.3	17114.0	16299.4	15669.5
27.5°	11424.1	11500.3	11989.8	13029.1	14545.9	16363.7	17828.3	17880.4	16921.4	16098.8
30°	10966.6	11038.8	11560.5	12664.0	14152.7	16283.4	18362.0	18723.1	17555.4	16472.0
32.5°	10465.0	10557.3	11107.1	12218.6	13687.2	16090.8	18827.4	19634.0	18289.7	16873.3
35°	9831.0	9915.3	10493.1	11608.6	13077.3	15781.8	19216.7	20645.2	19341.0	17483.2
37.5°	9060.6	9140.9	9714.7	10846.2	12471.4	15348.4	19513.6	21784.8	20593.0	18362.0
40°	8286.2	8362.4	8900.1	9995.6	11745.1	14794.7	19617.9	22900.3	22029.5	19569.8
42.5°	7575.9	7644.1	8137.7	9156.9	10930.5	14088.5	19481.5	23871.3	23317.6	20412.4
45°	6921.8	6982.0	7419.4	8370.4	10083.8	13229.8	19072.2	24914.6	24850.4	21014.3
47.5°	6175.5	6235.7	6689.1	7608.0	9237.2	12222.6	18378.0	25941.9	26981.2	22378.6
50°	5264.6	5316.8	5782.3	6729.2	8358.4	11151.2	17415.0	26748.4	29669.7	24445.2
52.5°	4185.2	4241.4	4694.8	5641.8	7315.1	9999.6	16147.0	27274.1	32775.5	27462.7
55°	3113.8	3154.0	3547.2	4397.9	6023.0	8687.4	14558.0	27422.6	36298.6	31587.7
57.5°	2259.1	2283.2	2536.0	3170.0	4566.4	7046.2	12627.9	27037.3	40491.8	36876.4
60°	1829.8	1837.8	1914.0	2194.9	3174.0	5192.4	10296.5	25713.2	45042.2	43693.9
62.5°	1661.2	1661.2	1681.3	1757.5	2146.8	3426.8	7475.6	22968.5	49921.6	52309.1
65°	1544.9	1544.9	1552.9	1589.0	1693.3	2182.9	4718.9	18498.4	54034.6	62401.0
67.5°	1440.5	1444.6	1440.5	1452.6	1512.8	1613.1	2736.6	12776.3	56249.5	72858.0
70°	1332.2	1340.2	1320.2	1320.2	1368.3	1372.3	1713.4	7006.1	54411.7	81621.6
72.5°	1203.8	1215.8	1183.7	1175.7	1211.8	1195.8	1288.1	3362.6	46715.5	84237.9
75°	1091.4	1107.5	1035.3	1015.2	1015.2	1003.2	1047.3	1725.4	30319.7	68716.9
77.5°	991.1	1023.2	906.9	842.7	826.6	790.5	854.7	1055.3	13261.9	32261.8
80°	818.6	862.7	746.4	670.1	642.0	601.9	674.1	738.3	3944.5	7491.6
82.5°	609.9	630.0	529.7	477.5	453.4	425.3	505.6	513.6	1284.1	2652.4
85°	389.2	397.3	325.0	280.9	268.8	256.8	321.0	280.9	489.5	1950.2
87.5°	136.4	156.5	124.4	112.4	120.4	100.3	148.5	84.3	136.4	1376.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

14108.5  
14116.6  
14208.8  
14305.2  
14341.3  
14373.4  
14453.6  
14630.2  
14899.0  
15187.9  
15541.1  
15962.4  
16275.4  
16624.5  
17206.3  
17992.8  
19176.5  
19906.8  
20332.2  
21592.2  
23458.0  
26246.8  
30066.9  
34962.4  
41282.3  
49078.9  
58316.1  
68448.1  
80462.0  
87287.5  
73500.0  
31591.7  
7174.6  
2997.5  
2832.9  
1705.4  
0.0

OF REPORT)