

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: P940503

Luminaire Tested: **GALN-SB3C-835-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940503  
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-SB3C-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20618 lumens  
Efficiency: N/A  
Efficacy: 138.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

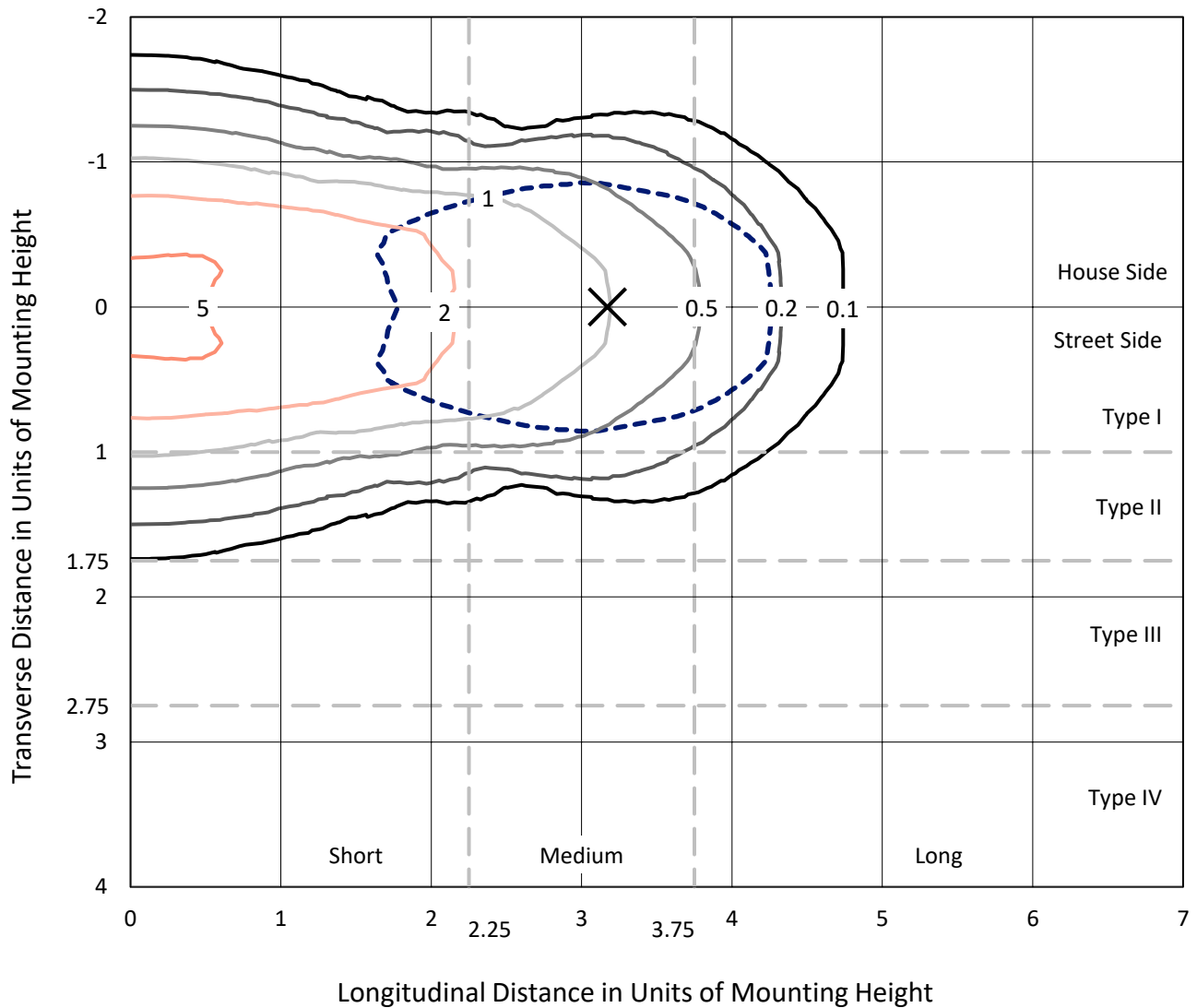
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

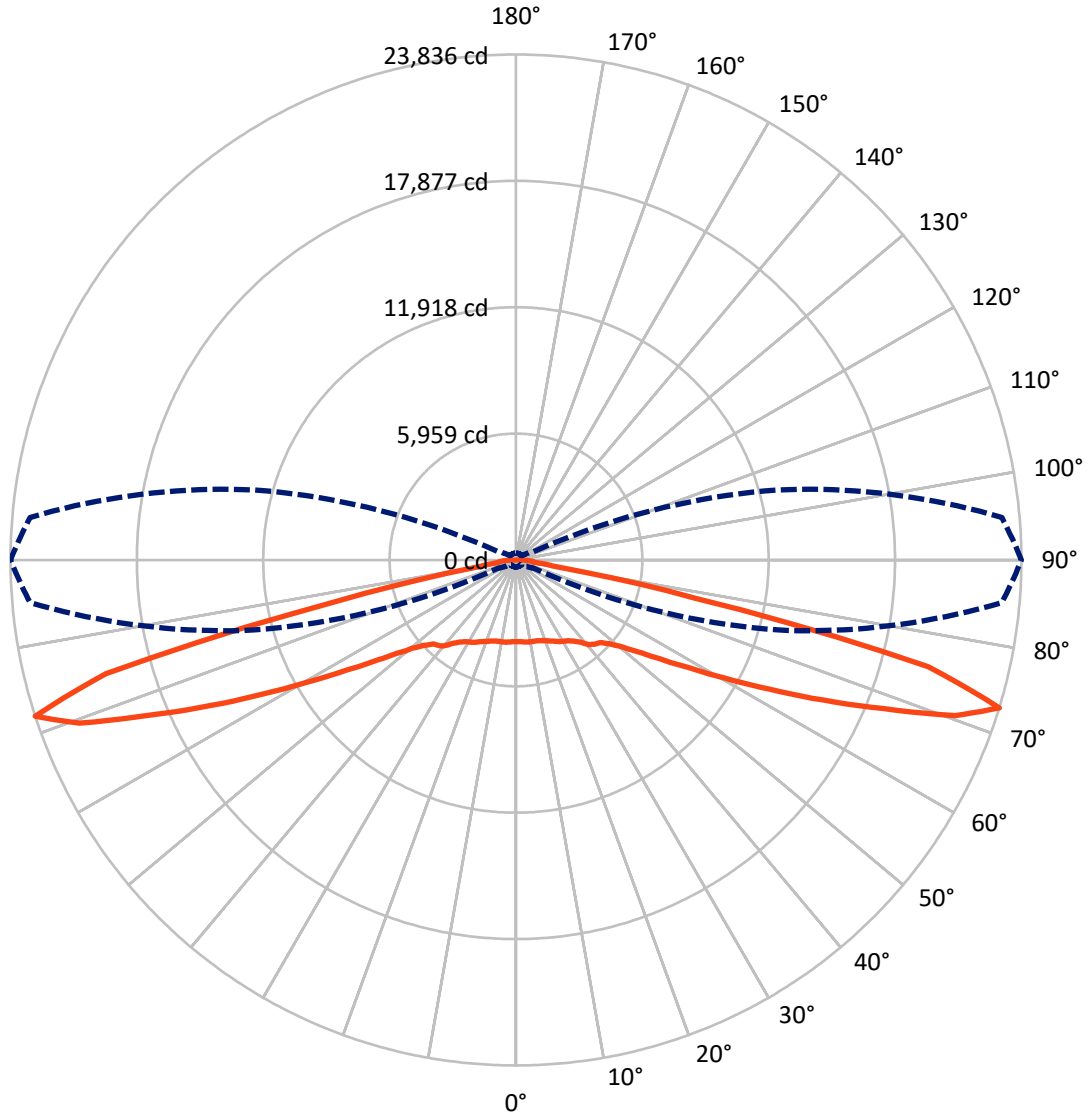
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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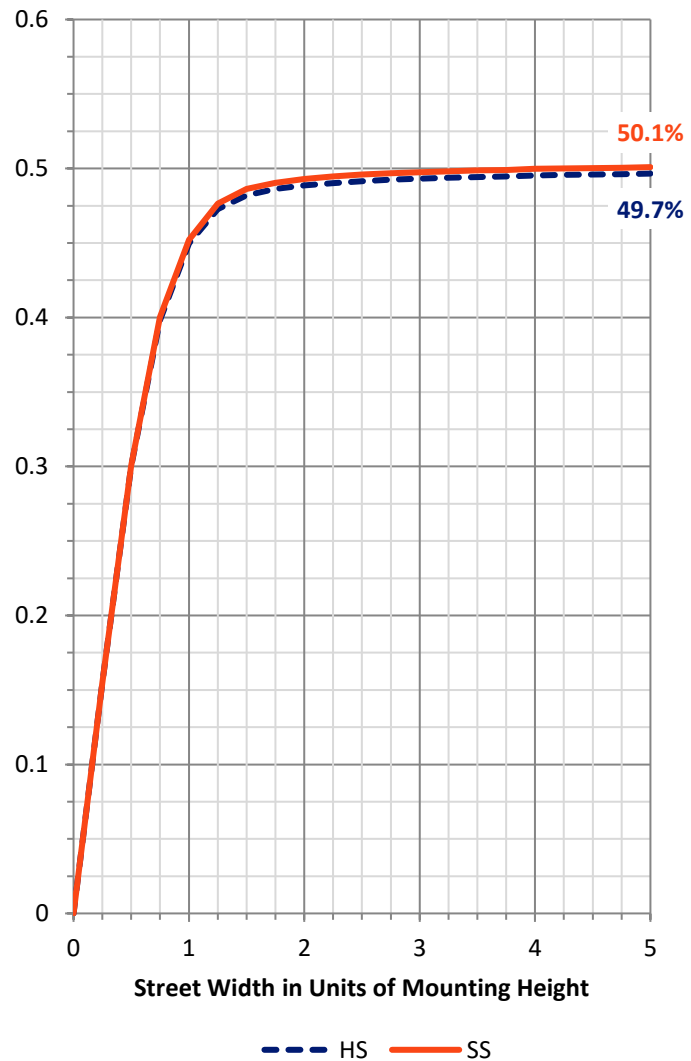
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10309.0	0.0	10309.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10309.0	0.0	10309.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20618.0	0.0	20618.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	373.6	1.8
10°-20°	1142.2	5.5
20°-30°	1904.5	9.2
30°-40°	2619.3	12.7
40°-50°	3198.9	15.5
50°-60°	3699.9	17.9
60°-70°	4411.5	21.4
70°-80°	3078.9	14.9
80°-90°	189.1	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°	20618.0	100.0
0°-180°	20618.0	100.0

**Coefficient of Utilization**



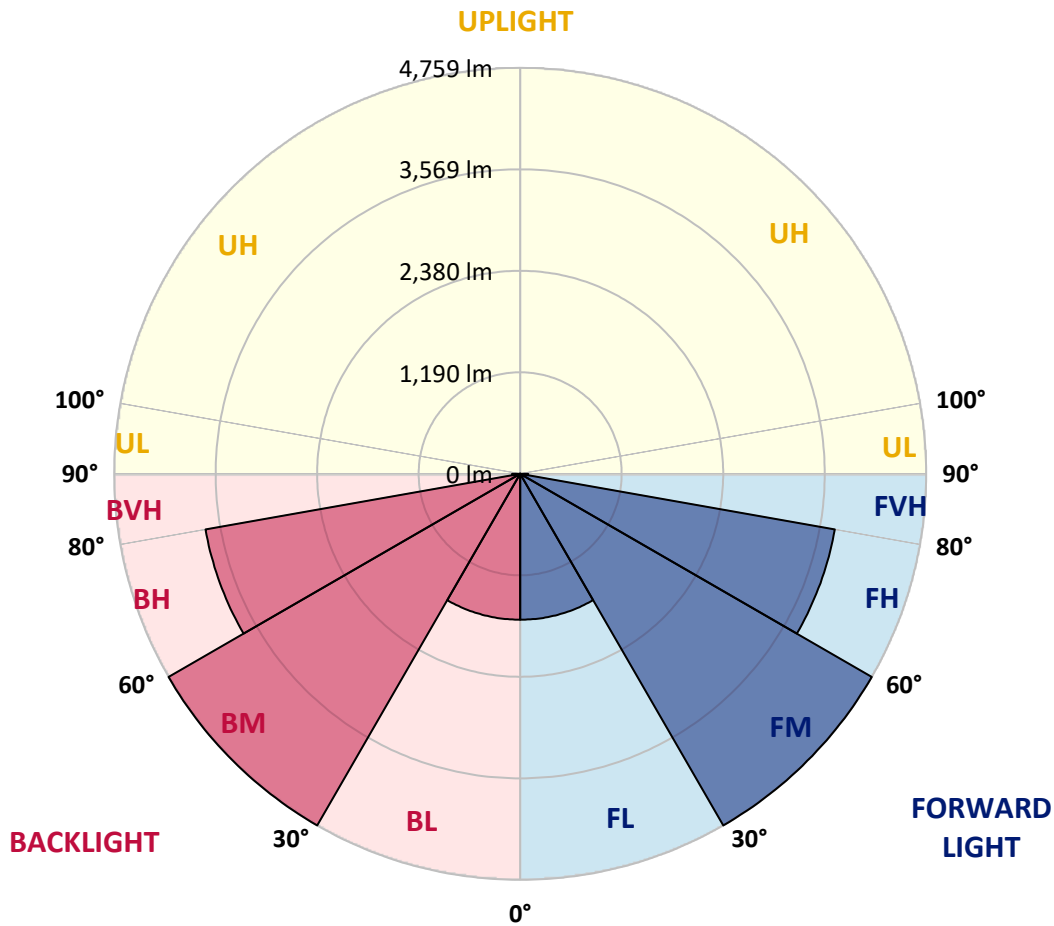
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1710.2	8.3			
FM (30°-60°)	4759.1	23.1			
FH (60°-80°)	3745.2	18.2			G2/5000
FVH (80°-90°)	94.6	0.5			G1/100
BL (0°-30°)	1710.2	8.3	B3/2500		
BM (30°-60°)	4759.1	23.1	B3/5000		
BH (60°-80°)	3745.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	94.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7	3852.7
2.5°	3856.0	3860.4	3860.4	3857.1	3864.7	3858.2	3858.2	3854.9	3858.2	3854.9
5°	3875.7	3881.2	3883.4	3882.3	3892.1	3886.7	3886.7	3882.3	3883.4	3880.1
7.5°	3913.0	3920.6	3925.0	3930.5	3944.7	3938.2	3933.8	3920.6	3915.1	3906.4
10°	3925.0	3933.8	3948.0	3976.5	4009.4	4010.5	3997.3	3964.5	3939.3	3919.5
12.5°	3887.8	3899.8	3929.4	3987.5	4060.9	4090.5	4069.7	4014.9	3965.6	3930.5
15°	3840.6	3853.8	3898.7	3986.4	4094.9	4163.9	4161.7	4089.4	4010.5	3955.7
17.5°	3767.2	3780.4	3845.0	3967.7	4121.2	4235.1	4265.8	4191.3	4080.6	4007.2
20°	3634.6	3646.7	3736.5	3908.6	4129.9	4310.7	4390.7	4325.0	4186.9	4087.2
22.5°	3462.6	3481.2	3586.4	3806.7	4109.1	4389.6	4533.2	4488.2	4310.7	4172.7
25°	3278.5	3298.2	3421.0	3681.8	4055.4	4446.6	4701.9	4673.4	4451.0	4278.9
27.5°	3119.6	3140.4	3274.1	3557.9	3972.1	4468.5	4868.5	4882.7	4620.8	4396.2
30°	2994.7	3014.4	3156.9	3458.2	3864.7	4446.6	5014.2	5112.8	4793.9	4498.1
32.5°	2857.7	2882.9	3033.1	3336.6	3737.6	4394.0	5141.3	5361.6	4994.5	4607.7
35°	2684.6	2707.6	2865.4	3170.0	3571.1	4309.6	5247.6	5637.7	5281.6	4774.2
37.5°	2474.2	2496.1	2652.8	2961.8	3405.6	4191.3	5328.7	5948.9	5623.4	5014.2
40°	2262.7	2283.6	2430.4	2729.5	3207.3	4040.1	5357.2	6253.5	6015.7	5344.0
42.5°	2068.8	2087.4	2222.2	2500.5	2984.8	3847.2	5319.9	6518.7	6367.5	5574.1
45°	1890.2	1906.6	2026.1	2285.8	2753.6	3612.7	5208.1	6803.6	6786.0	5738.5
47.5°	1686.4	1702.8	1826.6	2077.6	2522.4	3337.7	5018.6	7084.1	7367.9	6111.1
50°	1437.6	1451.9	1579.0	1837.6	2282.5	3045.1	4755.6	7304.3	8102.0	6675.4
52.5°	1142.9	1158.2	1282.0	1540.6	1997.6	2730.6	4409.3	7447.9	8950.2	7499.4
55°	850.3	861.3	968.7	1201.0	1644.7	2372.3	3975.4	7488.4	9912.2	8625.8
57.5°	616.9	623.5	692.5	865.7	1247.0	1924.2	3448.4	7383.2	11057.3	10070.0
60°	499.7	501.9	522.7	599.4	866.7	1417.9	2811.7	7021.6	12299.9	11931.7
62.5°	453.6	453.6	459.1	479.9	586.2	935.8	2041.4	6272.1	13632.3	14284.3
65°	421.9	421.9	424.1	433.9	462.4	596.1	1288.6	5051.5	14755.5	17040.2
67.5°	393.4	394.5	393.4	396.7	413.1	440.5	747.3	3488.9	15360.4	19895.7
70°	363.8	366.0	360.5	360.5	373.7	374.7	467.9	1913.2	14858.5	22288.8
72.5°	328.7	332.0	323.2	321.1	330.9	326.5	351.7	918.2	12756.8	23003.3
75°	298.0	302.4	282.7	277.2	277.2	273.9	286.0	471.2	8279.6	18764.9
77.5°	270.7	279.4	247.6	230.1	225.7	215.9	233.4	288.2	3621.5	8809.9
80°	223.5	235.6	203.8	183.0	175.3	164.4	184.1	201.6	1077.1	2045.8
82.5°	166.6	172.0	144.6	130.4	123.8	116.2	138.1	140.3	350.6	724.3
85°	106.3	108.5	88.8	76.7	73.4	70.1	87.7	76.7	133.7	532.5
87.5°	37.3	42.7	34.0	30.7	32.9	27.4	40.5	23.0	37.3	375.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3852.7  
3854.9  
3880.1  
3906.4  
3916.2  
3925.0  
3946.9  
3995.1  
4068.6  
4147.5  
4243.9  
4358.9  
4444.4  
4539.7  
4698.6  
4913.4  
5236.6  
5436.1  
5552.2  
5896.3  
6405.8  
7167.4  
8210.5  
9547.4  
11273.2  
13402.2  
15924.7  
18691.5  
21972.2  
23836.1  
20071.0  
8626.9  
1959.2  
818.5  
773.6  
465.7  
0.0

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