

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: P952474

Luminaire Tested: **GALN-SB6B-827-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952474
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-SB6B-827-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31096 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

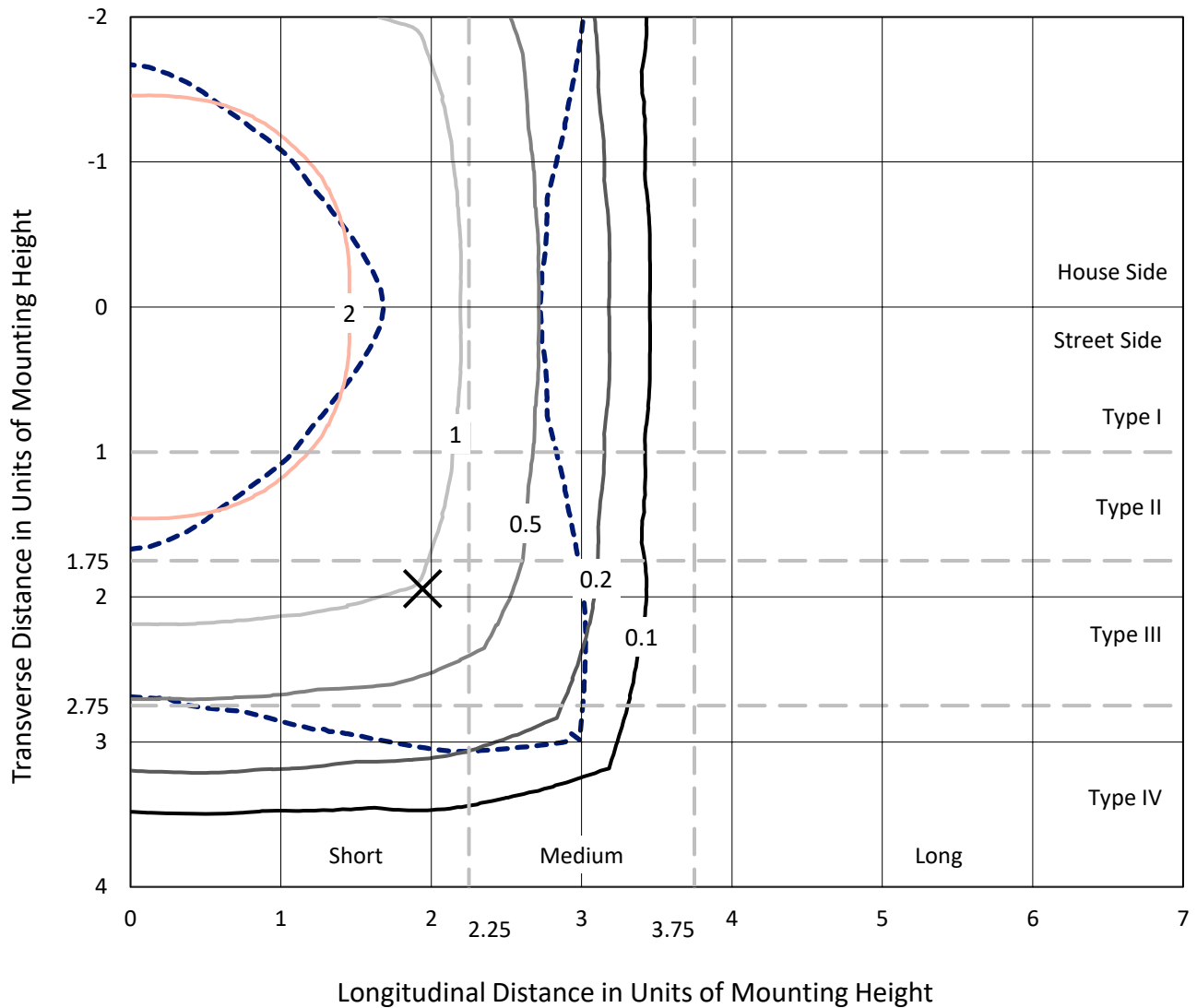
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952474
 CATALOG NUMBER: GALN-SB6B-827-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

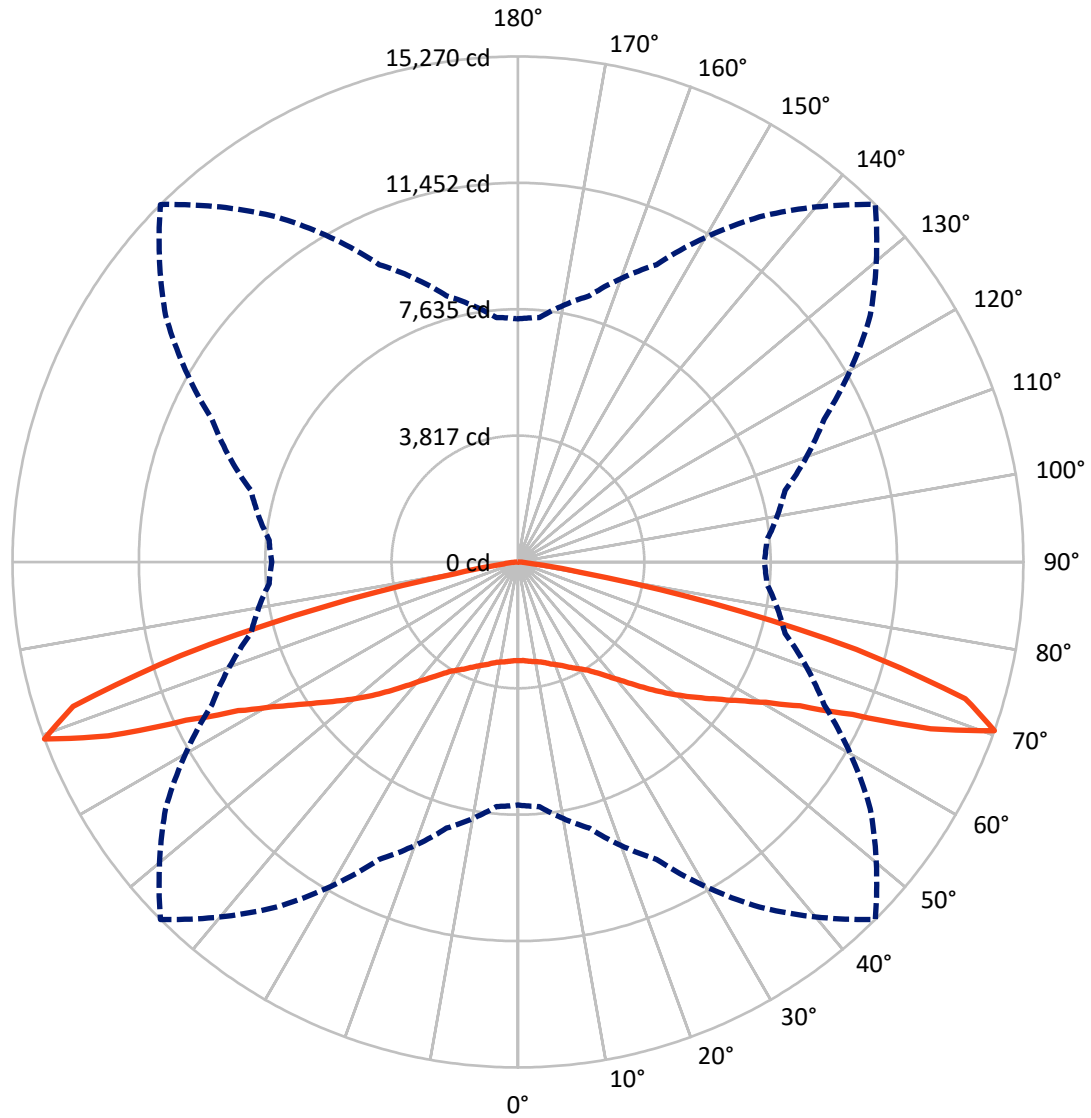
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P952474
CATALOG NUMBER: GALN-SB6B-827-U-5MQ

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
House Side	Lumens	15548.0	0.0	15548.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15548.0	0.0	15548.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	31096.0	0.0	31096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.4	0.9
10°-20°	897.3	2.9
20°-30°	1603.6	5.2
30°-40°	2599.5	8.4
40°-50°	4234.1	13.6
50°-60°	6455.6	20.8
60°-70°	9603.9	30.9
70°-80°	5234.4	16.8
80°-90°	178.2	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°	31096.0	100.0
0°-180°	31096.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952474

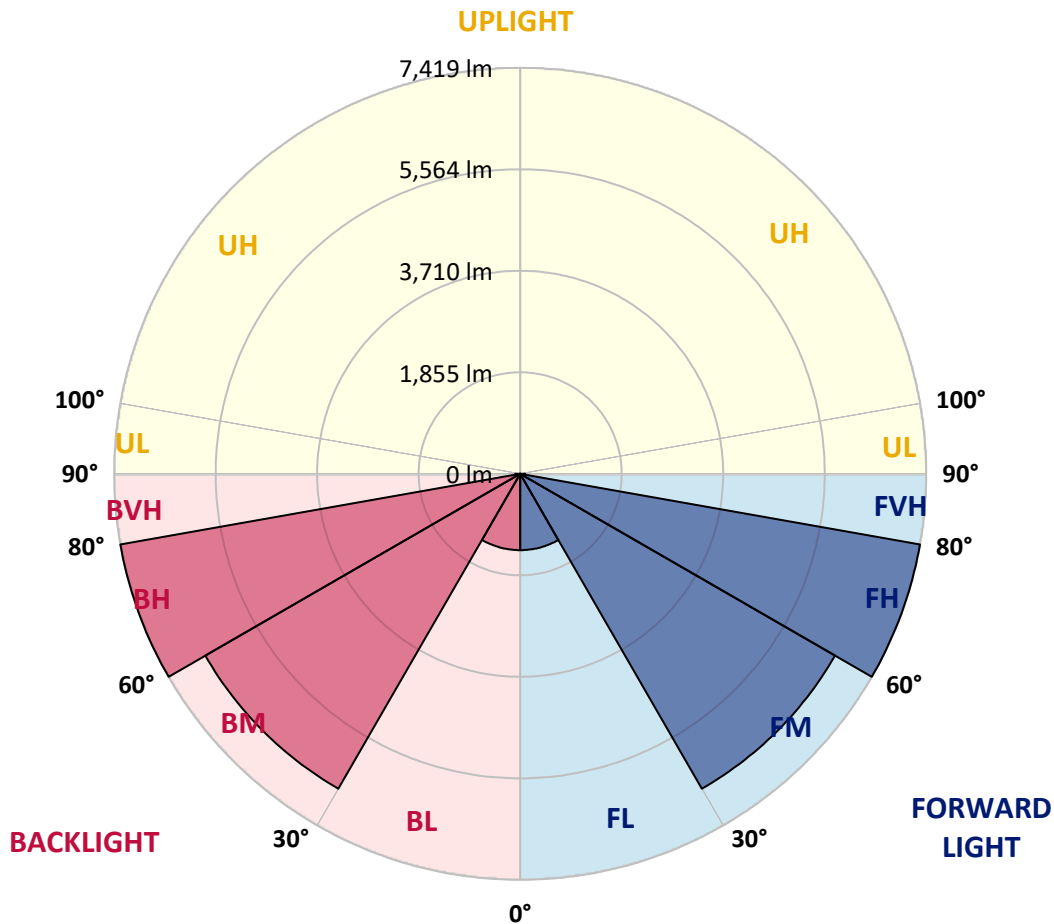
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1395.2	4.5			
FM (30°-60°)	6644.6	21.4			
FH (60°-80°)	7419.1	23.9			G3/7500
FVH (80°-90°)	89.1	0.3			G1/100
BL (0°-30°)	1395.2	4.5	B3/2500		
BM (30°-60°)	6644.6	21.4	B4/8500		
BH (60°-80°)	7419.1	23.9	B5		G3/7500
BVH (80°-90°)	89.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2978.7	2978.7	2978.7	2978.7	2978.7	2978.7	2978.7	2978.7	2978.7	2978.7
2.5°	2992.7	2995.8	2989.6	2986.5	2983.4	2978.7	2980.2	2988.0	2994.3	2992.7
5°	3017.7	3020.8	3016.1	3014.6	3008.3	3006.8	3006.8	3014.6	3019.3	3016.1
7.5°	3045.8	3050.5	3042.7	3041.1	3038.0	3034.9	3033.3	3041.1	3045.8	3045.8
10°	3072.3	3077.0	3070.8	3066.1	3063.0	3063.0	3059.9	3066.1	3073.9	3072.3
12.5°	3100.4	3103.6	3097.3	3094.2	3094.2	3098.9	3094.2	3097.3	3103.6	3100.4
15°	3134.8	3136.4	3134.8	3139.5	3147.3	3162.9	3148.8	3145.7	3148.8	3141.0
17.5°	3181.6	3184.7	3191.0	3201.9	3212.8	3240.9	3216.0	3208.2	3208.2	3192.6
20°	3239.4	3244.1	3253.4	3272.2	3286.2	3312.8	3287.8	3276.9	3272.2	3251.9
22.5°	3300.3	3308.1	3322.1	3347.1	3372.1	3397.1	3372.1	3353.4	3339.3	3312.8
25°	3370.5	3379.9	3401.7	3442.3	3476.7	3512.6	3482.9	3445.5	3417.4	3379.9
27.5°	3470.4	3481.4	3507.9	3557.9	3601.6	3632.8	3604.7	3556.3	3517.3	3472.0
30°	3610.9	3621.9	3653.1	3706.2	3735.8	3756.1	3737.4	3699.9	3653.1	3601.6
32.5°	3792.0	3806.1	3840.4	3890.4	3896.6	3899.8	3893.5	3874.8	3840.4	3778.0
35°	4021.5	4037.1	4076.2	4116.8	4110.5	4116.8	4107.4	4101.1	4076.2	4004.4
37.5°	4302.5	4321.3	4361.9	4393.1	4377.5	4369.7	4371.2	4372.8	4358.7	4279.1
40°	4628.8	4653.8	4683.5	4716.2	4689.7	4666.3	4681.9	4694.4	4681.9	4600.7
42.5°	4964.5	5000.4	5031.6	5078.4	5056.6	5026.9	5048.8	5062.8	5036.3	4948.8
45°	5337.6	5371.9	5412.5	5482.8	5467.1	5435.9	5467.1	5470.3	5425.0	5322.0
47.5°	5723.2	5759.1	5820.0	5913.6	5907.4	5873.0	5913.6	5891.8	5834.0	5710.7
50°	6088.5	6138.4	6232.1	6363.2	6375.7	6333.6	6388.2	6346.1	6249.3	6094.7
52.5°	6431.9	6485.0	6633.3	6811.3	6856.6	6801.9	6875.3	6801.9	6656.7	6458.5
55°	6792.6	6851.9	7028.3	7260.9	7351.5	7310.9	7379.6	7268.7	7062.6	6822.2
57.5°	7217.2	7253.1	7463.9	7740.2	7893.2	7902.5	7933.8	7746.4	7496.6	7223.4
60°	7677.7	7727.7	7957.2	8288.1	8530.1	8608.2	8575.4	8297.5	8007.1	7693.3
62.5°	8267.9	8322.5	8597.3	8993.8	9376.3	9569.9	9441.8	9039.1	8680.0	8303.8
65°	8756.5	8817.4	9313.8	10021.0	10717.3	11106.0	10784.4	10042.9	9396.6	8865.8
67.5°	8402.1	8477.0	9256.1	10554.9	12286.3	13446.2	12345.6	10714.2	9448.1	8728.4
70°	7343.7	7413.9	8322.5	9910.2	12728.1	15269.6	12993.5	10202.1	8352.2	7546.6
72.5°	4875.5	5101.8	6021.4	7926.0	11365.2	14130.0	11477.6	7765.2	5585.8	4864.5
75°	1617.4	1798.4	2426.0	4108.9	7612.2	10567.4	7246.9	3635.9	1921.8	1383.2
77.5°	407.5	469.9	647.9	1175.5	3036.4	6016.7	2733.6	960.1	523.0	365.3
80°	198.3	218.6	312.2	391.8	760.3	1912.4	713.4	368.4	246.7	190.5
82.5°	109.3	110.8	176.4	221.7	282.6	494.9	293.5	215.4	142.1	115.5
85°	67.1	65.6	93.7	118.6	118.6	176.4	140.5	118.6	81.2	71.8
87.5°	26.5	26.5	34.3	37.5	32.8	45.3	35.9	39.0	31.2	29.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2978.7
2994.3
3017.7
3045.8
3072.3
3098.9
3141.0
3192.6
3251.9
3311.2
3378.3
3470.4
3601.6
3779.5
4004.4
4279.1
4600.7
4955.1
5332.9
5702.9
6091.6
6439.7
6789.4
7186.0
7643.4
8238.2
8778.3
8620.7
7438.9
4706.9
1308.2
326.3
174.8
115.5
74.9
31.2
0.0

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