

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: P956863

Luminaire Tested: **GALN-SB9B-927-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956863
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-SB9B-927-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 32695 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

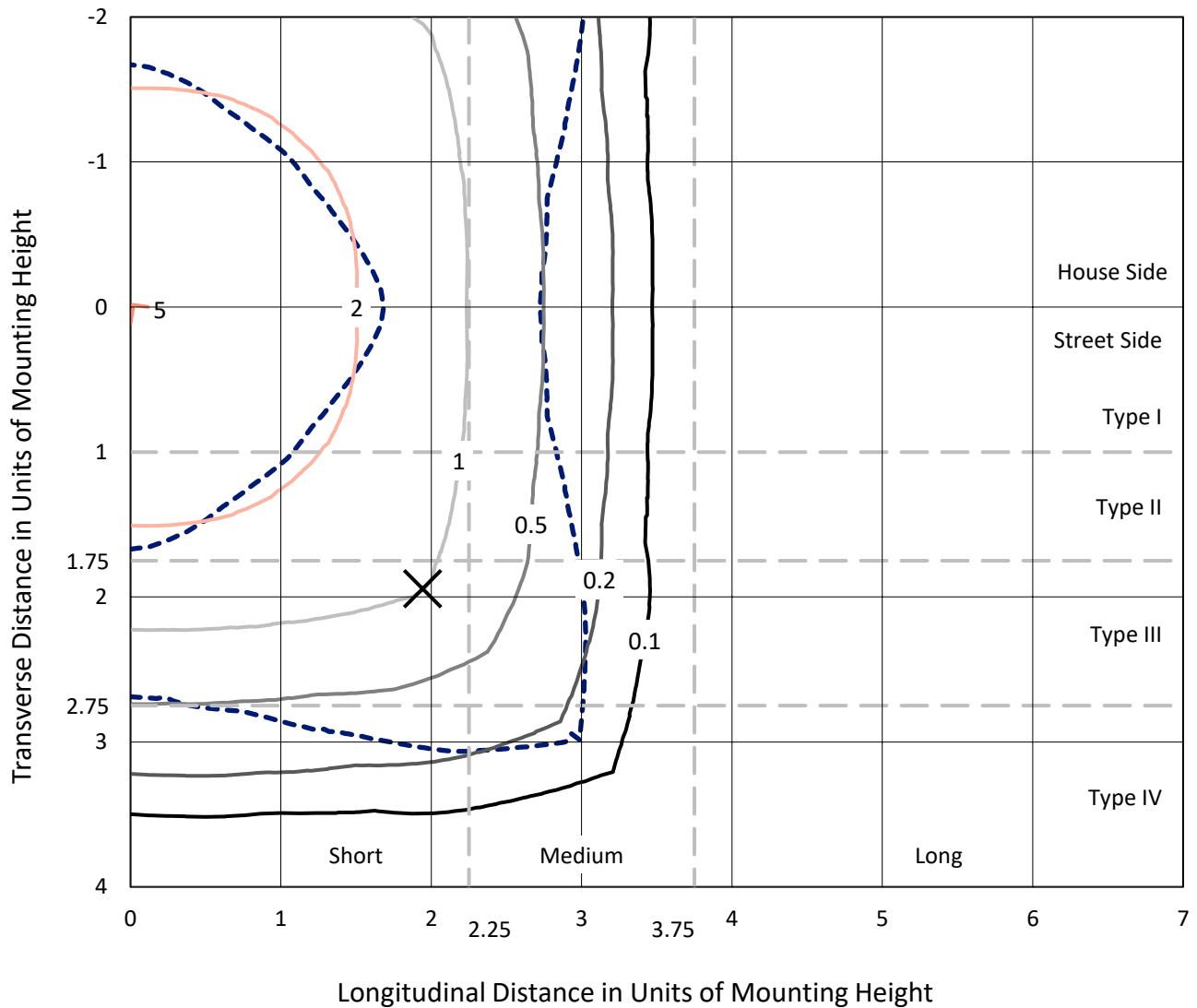
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

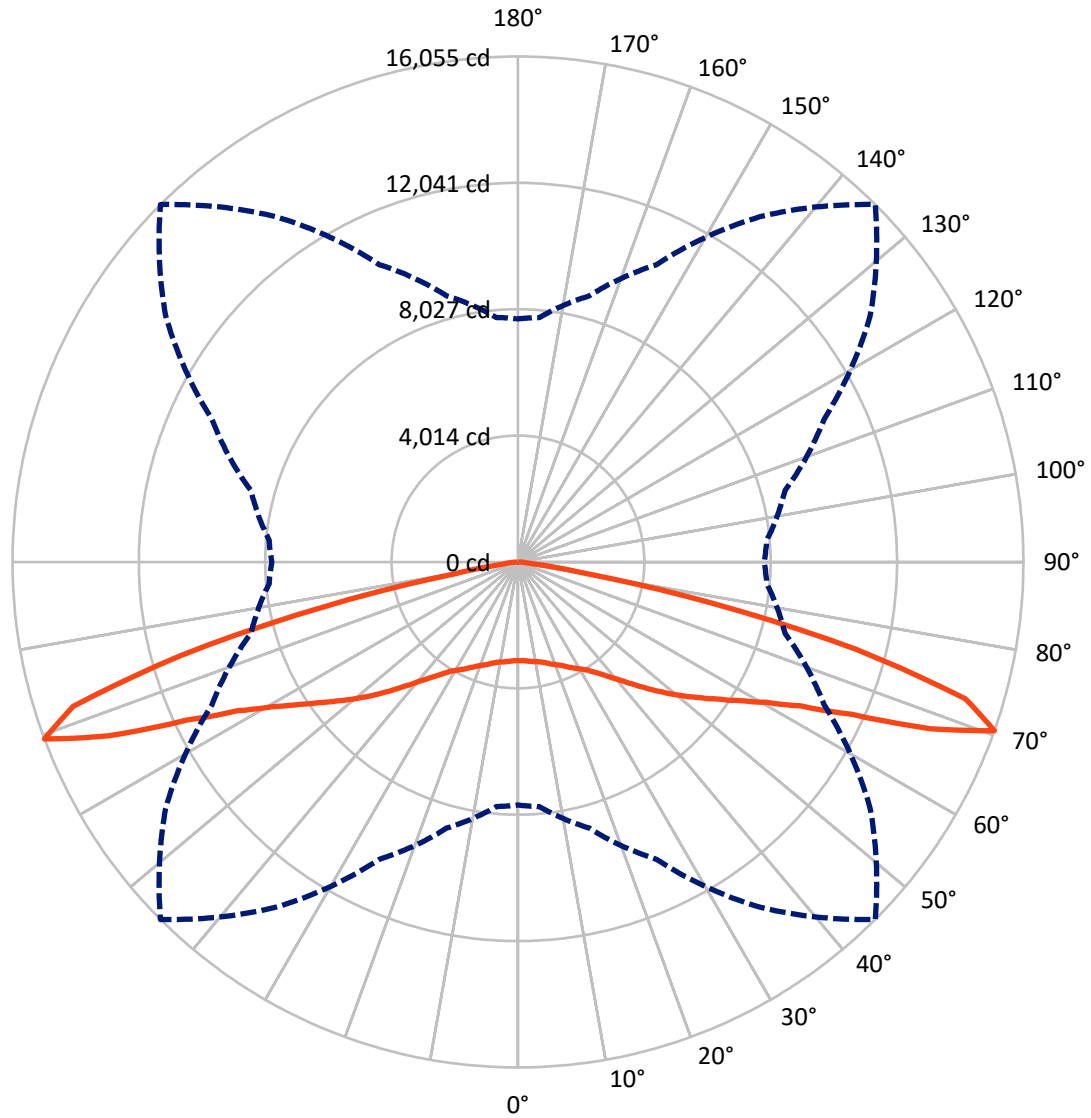
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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
House Side	Lumens	16347.5	0.0	16347.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16347.5	0.0	16347.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	32695.0	0.0	32695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.3	0.9
10°-20°	943.5	2.9
20°-30°	1686.1	5.2
30°-40°	2733.1	8.4
40°-50°	4451.8	13.6
50°-60°	6787.5	20.8
60°-70°	10097.7	30.9
70°-80°	5503.6	16.8
80°-90°	187.4	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°	32695.0	100.0
0°-180°	32695.0	100.0

Coefficient of Utilization



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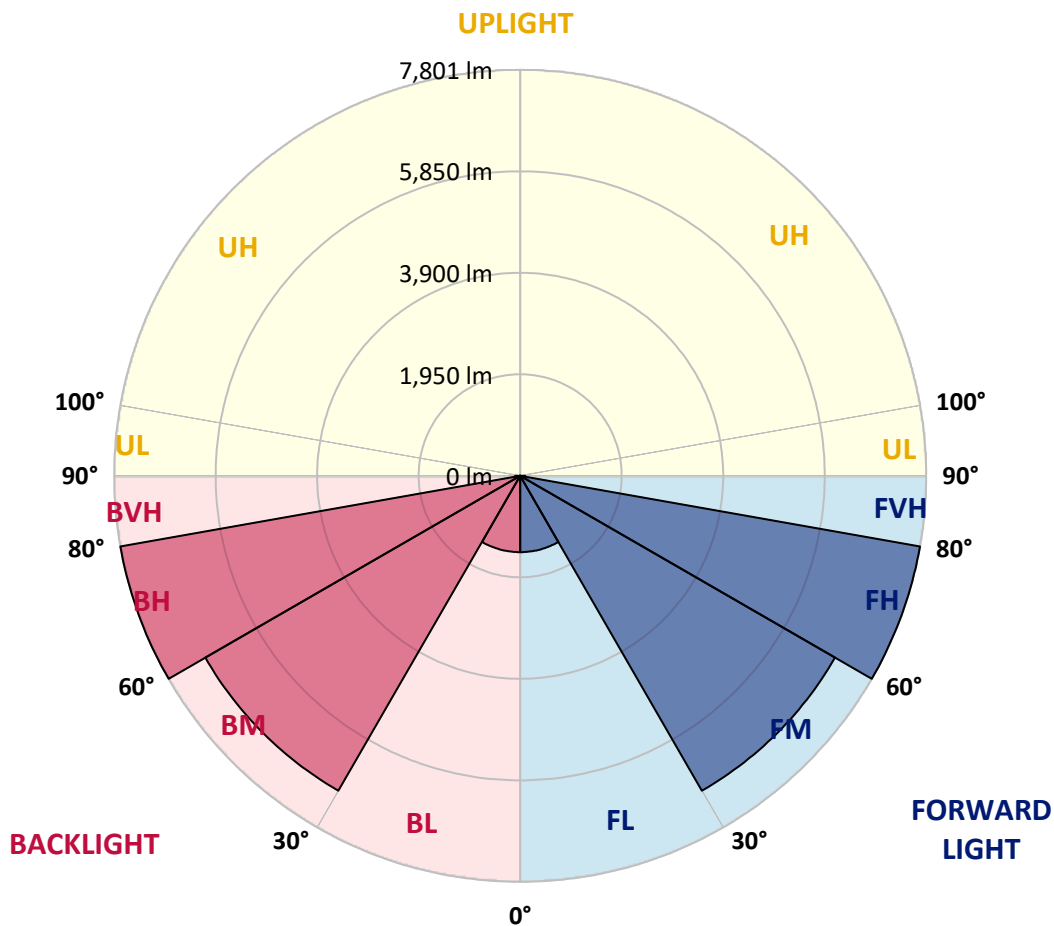
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.9	4.5			
FM (30°-60°)	6986.2	21.4			
FH (60°-80°)	7800.6	23.9			G4/12000
FVH (80°-90°)	93.7	0.3			G1/100
BL (0°-30°)	1466.9	4.5	B3/2500		
BM (30°-60°)	6986.2	21.4	B4/8500		
BH (60°-80°)	7800.6	23.9	B5		G4/12000
BVH (80°-90°)	93.7	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-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3131.8	3131.8	3131.8	3131.8	3131.8	3131.8	3131.8	3131.8	3131.8	3131.8
2.5°	3146.6	3149.9	3143.3	3140.0	3136.8	3131.8	3133.5	3141.7	3148.3	3146.6
5°	3172.9	3176.2	3171.2	3169.6	3163.0	3161.4	3161.4	3169.6	3174.5	3171.2
7.5°	3202.4	3207.3	3199.1	3197.5	3194.2	3190.9	3189.3	3197.5	3202.4	3202.4
10°	3230.3	3235.3	3228.7	3223.8	3220.5	3220.5	3217.2	3223.8	3232.0	3230.3
12.5°	3259.9	3263.2	3256.6	3253.3	3253.3	3258.2	3253.3	3256.6	3263.2	3259.9
15°	3296.0	3297.6	3296.0	3300.9	3309.1	3325.5	3310.8	3307.5	3310.8	3302.6
17.5°	3345.2	3348.5	3355.1	3366.6	3378.1	3407.6	3381.3	3373.1	3373.1	3356.7
20°	3406.0	3410.9	3420.7	3440.4	3455.2	3483.1	3456.8	3445.4	3440.4	3419.1
22.5°	3470.0	3478.2	3493.0	3519.2	3545.5	3571.7	3545.5	3525.8	3511.0	3483.1
25°	3543.8	3553.7	3576.7	3619.3	3655.5	3693.2	3662.0	3622.6	3593.1	3553.7
27.5°	3648.9	3660.4	3688.3	3740.8	3786.8	3819.6	3790.1	3739.2	3698.1	3650.5
30°	3796.6	3808.1	3840.9	3896.7	3927.9	3949.3	3929.6	3890.2	3840.9	3786.8
32.5°	3987.0	4001.8	4037.9	4090.4	4097.0	4100.3	4093.7	4074.0	4037.9	3972.3
35°	4228.3	4244.7	4285.8	4328.4	4321.9	4328.4	4318.6	4312.0	4285.8	4210.3
37.5°	4523.8	4543.5	4586.1	4619.0	4602.6	4594.4	4596.0	4597.6	4582.9	4499.2
40°	4866.8	4893.1	4924.3	4958.8	4930.8	4906.2	4922.6	4935.8	4922.6	4837.3
42.5°	5219.7	5257.5	5290.3	5339.6	5316.6	5285.4	5308.4	5323.1	5295.2	5203.3
45°	5612.0	5648.2	5690.8	5764.7	5748.3	5715.4	5748.3	5751.6	5704.0	5595.6
47.5°	6017.5	6055.2	6119.2	6217.7	6211.2	6175.0	6217.7	6194.7	6134.0	6004.3
50°	6401.6	6454.1	6552.6	6690.5	6703.6	6659.3	6716.7	6672.4	6570.6	6408.1
52.5°	6762.7	6818.5	6974.4	7161.5	7209.1	7151.7	7228.8	7151.7	6999.0	6790.6
55°	7141.8	7204.2	7389.7	7634.3	7729.5	7686.8	7759.0	7642.5	7425.8	7173.0
57.5°	7588.3	7626.1	7847.7	8138.2	8299.1	8308.9	8341.7	8144.8	7882.1	7594.9
60°	8072.5	8125.1	8366.4	8714.3	8968.8	9050.8	9016.4	8724.2	8418.9	8089.0
62.5°	8693.0	8750.4	9039.3	9456.3	9858.4	10061.9	9927.4	9503.9	9126.3	8730.7
65°	9206.8	9270.8	9792.8	10536.3	11268.4	11677.1	11339.0	10559.3	9879.7	9321.7
67.5°	8834.2	8912.9	9732.0	11097.7	12918.0	14137.6	12980.4	11265.1	9933.9	9177.2
70°	7721.3	7795.1	8750.4	10419.8	13382.6	16054.8	13661.6	10726.7	8781.6	7934.7
72.5°	5126.2	5364.2	6331.0	8333.5	11949.6	14856.6	12067.8	8164.5	5873.0	5114.7
75°	1700.5	1890.9	2550.8	4320.2	8003.6	11110.8	7619.5	3822.9	2020.6	1454.3
77.5°	428.4	494.1	681.2	1236.0	3192.6	6326.1	2874.1	1009.5	549.9	384.1
80°	208.5	229.8	328.3	412.0	799.4	2010.7	750.1	387.4	259.3	200.3
82.5°	114.9	116.5	185.5	233.1	297.1	520.3	308.6	226.5	149.4	121.5
85°	70.6	68.9	98.5	124.7	124.7	185.5	147.7	124.7	85.4	75.5
87.5°	27.9	27.9	36.1	39.4	34.5	47.6	37.8	41.0	32.8	31.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3131.8
3148.3
3172.9
3202.4
3230.3
3258.2
3302.6
3356.7
3419.1
3481.5
3552.0
3648.9
3786.8
3973.9
4210.3
4499.2
4837.3
5209.9
5607.1
5996.1
6404.8
6770.9
7138.6
7555.5
8036.4
8661.8
9229.7
9064.0
7821.4
4948.9
1375.5
343.1
183.8
121.5
78.8
32.8
0.0

OF REPORT)