

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: P952937

Luminaire Tested: **GALN-SB6C-927-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952937
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-927-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28967 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

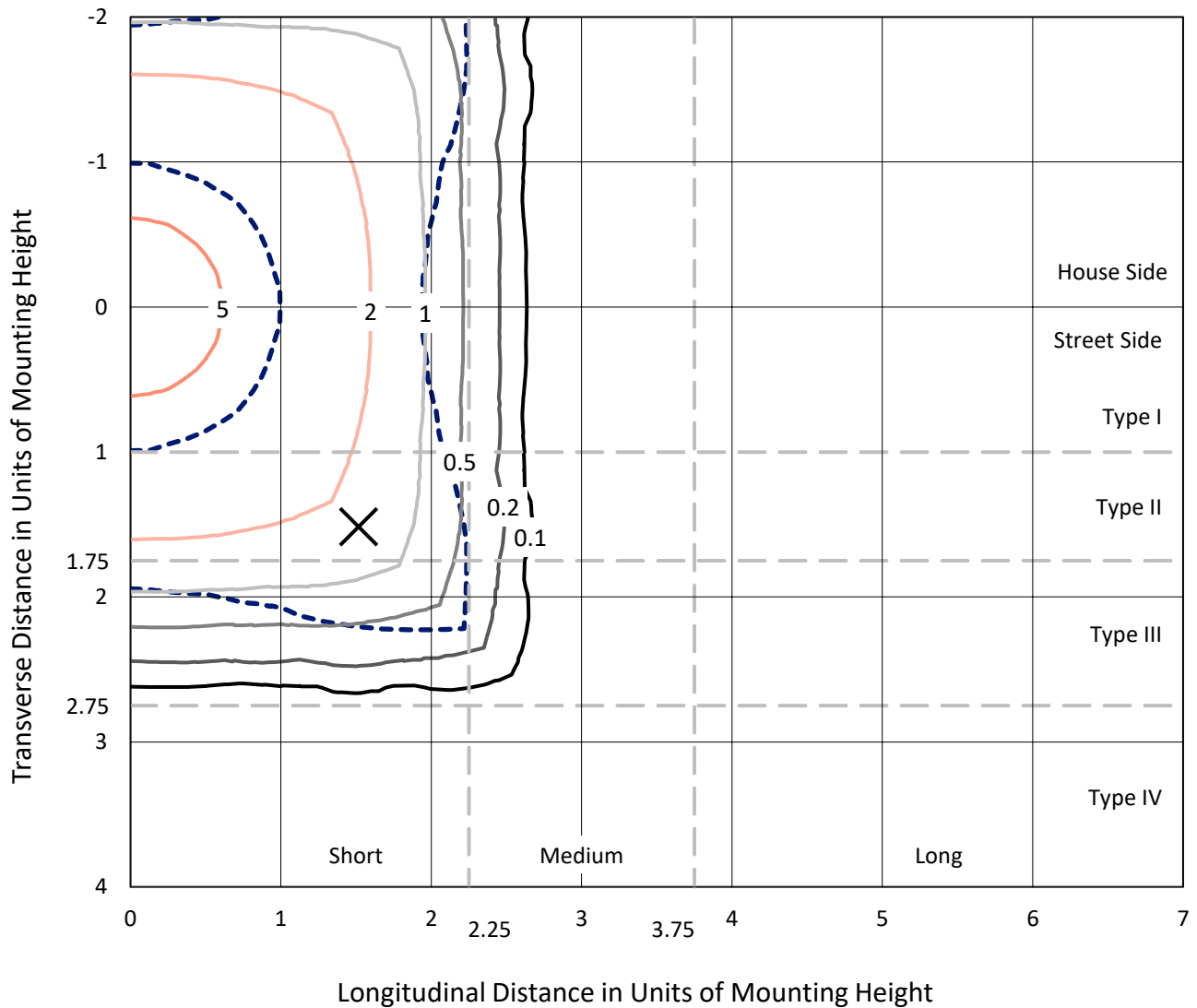
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

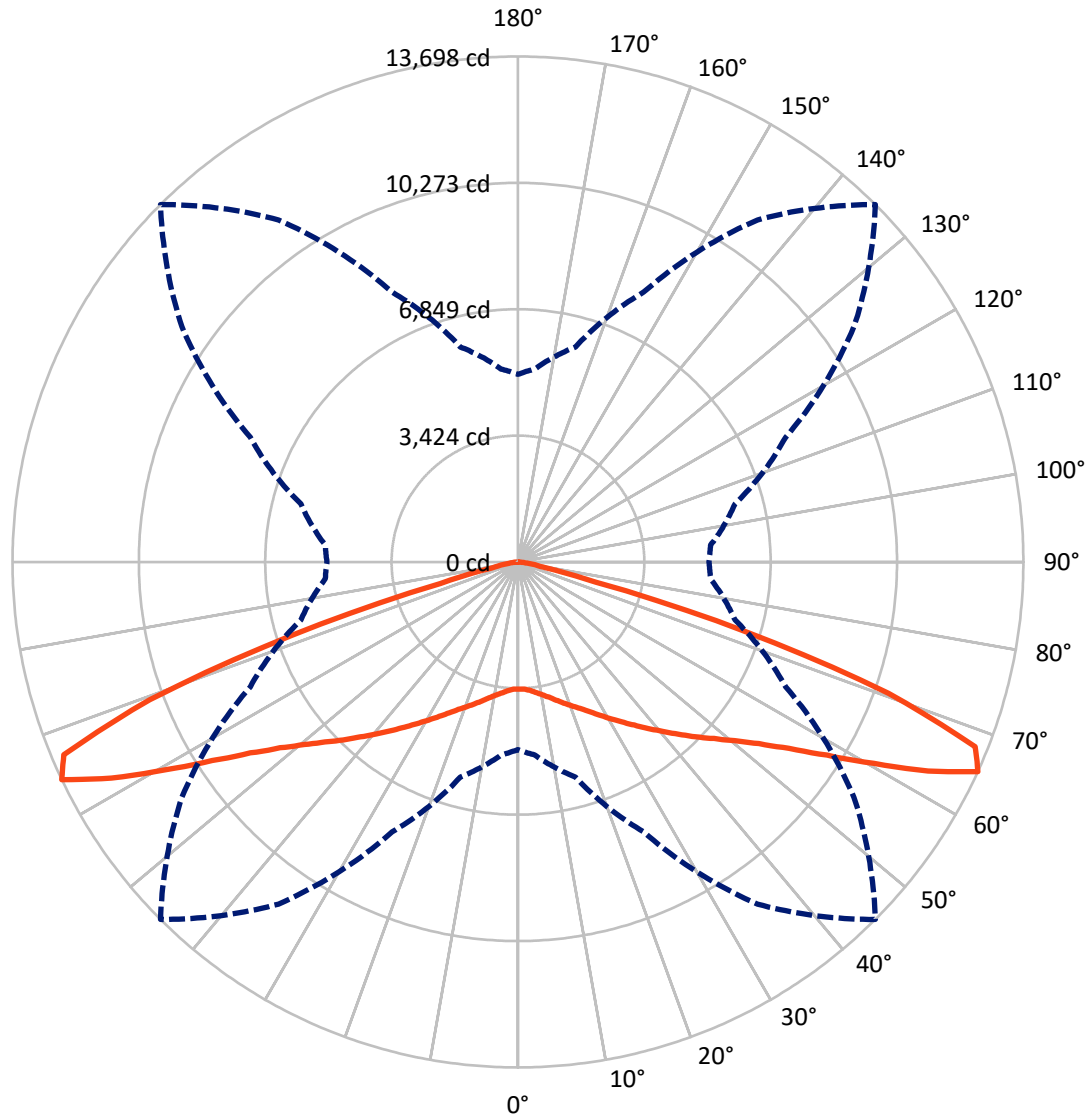
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14483.5	0.0	14483.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14483.5	0.0	14483.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28967.0	0.0	28967.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.2	1.2
10°-20°	1110.2	3.8
20°-30°	2096.1	7.2
30°-40°	3432.3	11.8
40°-50°	5321.9	18.4
50°-60°	7861.5	27.1
60°-70°	7483.4	25.8
70°-80°	1207.6	4.2
80°-90°	113.8	0.4
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°	28967.0	100.0
0°-180°	28967.0	100.0



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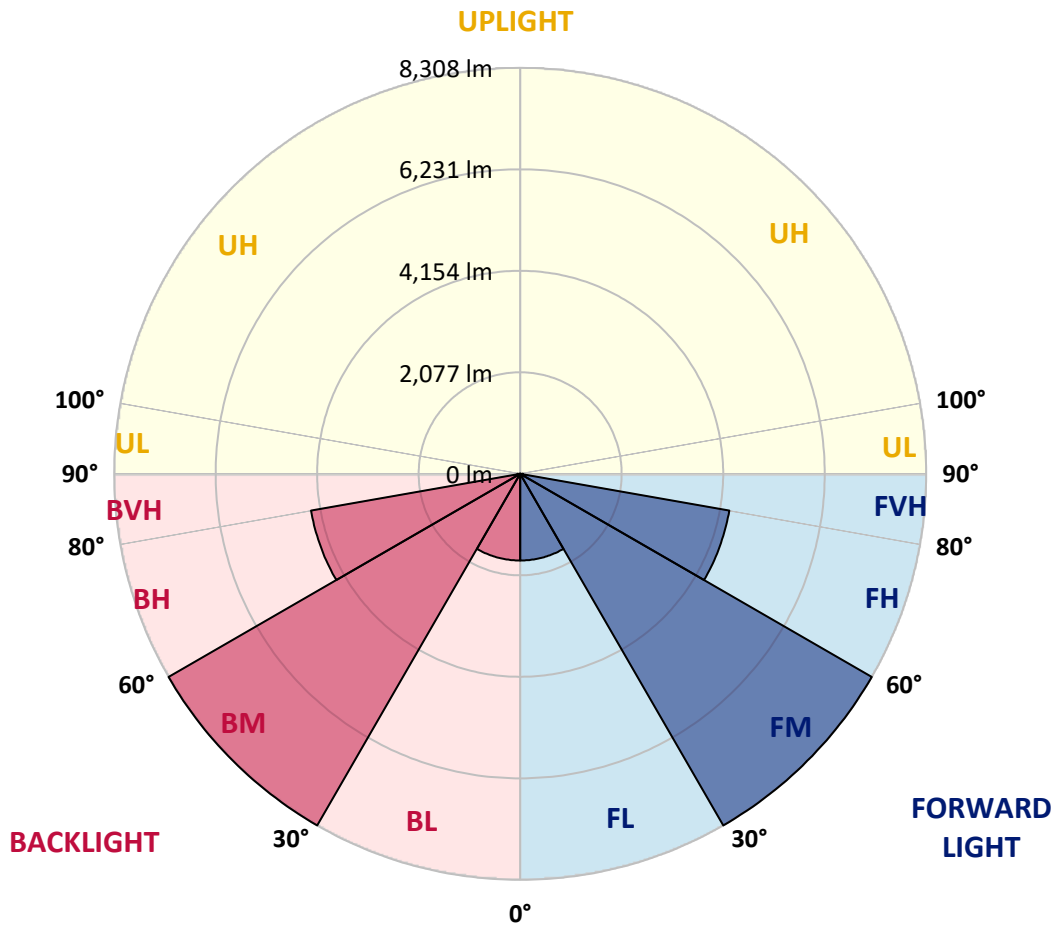
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1773.3	6.1			
FM (30°-60°)	8307.8	28.7			
FH (60°-80°)	4345.5	15.0			G2/5000
FVH (80°-90°)	56.9	0.2			G1/100
BL (0°-30°)	1773.3	6.1	B3/2500		
BM (30°-60°)	8307.8	28.7	B4/8500		
BH (60°-80°)	4345.5	15.0	B4/5000		G2/5000
BVH (80°-90°)	56.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3447.4	3447.4	3447.4	3447.4	3447.4	3447.4	3447.4	3447.4	3447.4	3447.4
2.5°	3470.6	3459.0	3467.7	3460.4	3454.6	3448.8	3451.7	3461.9	3466.3	3467.7
5°	3517.1	3507.0	3511.3	3511.3	3501.1	3498.2	3499.7	3507.0	3515.7	3515.7
7.5°	3592.7	3582.5	3592.7	3586.9	3578.2	3575.3	3573.8	3579.6	3592.7	3592.7
10°	3684.3	3672.6	3678.4	3675.5	3665.4	3661.0	3659.6	3668.3	3679.9	3678.4
12.5°	3784.5	3771.5	3778.7	3770.0	3767.1	3762.7	3762.7	3761.3	3768.6	3762.7
15°	3896.5	3887.7	3890.6	3884.8	3889.2	3886.3	3874.6	3868.8	3871.7	3863.0
17.5°	4028.7	4008.4	4018.5	4015.6	4015.6	4021.4	4002.5	3995.3	4001.1	3992.4
20°	4181.3	4161.0	4165.3	4159.5	4152.2	4158.1	4134.8	4140.6	4145.0	4139.2
22.5°	4348.4	4322.3	4320.8	4323.7	4307.8	4309.2	4293.2	4307.8	4316.5	4300.5
25°	4519.9	4492.3	4511.2	4504.0	4483.6	4488.0	4476.3	4490.9	4498.1	4477.8
27.5°	4701.6	4682.7	4700.2	4704.5	4679.8	4697.2	4679.8	4692.9	4700.2	4669.6
30°	4913.8	4894.9	4910.9	4922.5	4893.5	4921.1	4906.5	4915.3	4916.7	4880.4
32.5°	5144.9	5115.8	5156.5	5162.3	5130.4	5163.8	5144.9	5156.5	5163.8	5114.4
35°	5426.8	5390.5	5437.0	5429.7	5402.1	5429.7	5412.3	5429.7	5447.2	5387.6
37.5°	5730.6	5692.8	5742.2	5729.1	5703.0	5721.9	5711.7	5723.3	5750.9	5687.0
40°	6064.9	6018.4	6085.2	6062.0	6037.2	6034.3	6040.2	6047.4	6083.8	6012.5
42.5°	6422.4	6373.0	6473.3	6436.9	6402.0	6378.8	6397.7	6412.2	6447.1	6367.2
45°	6830.8	6774.1	6904.9	6861.3	6806.1	6758.1	6788.6	6810.4	6861.3	6765.4
47.5°	7281.3	7217.4	7356.9	7343.8	7253.7	7149.1	7218.8	7281.3	7319.1	7202.8
50°	7721.7	7672.3	7855.4	7871.4	7760.9	7614.1	7711.5	7806.0	7816.2	7663.6
52.5°	8134.4	8085.0	8351.0	8451.3	8352.4	8178.0	8281.2	8377.1	8300.1	8102.5
55°	8464.4	8423.7	8762.3	9021.0	9054.4	8910.5	8971.6	8968.7	8715.8	8412.0
57.5°	8544.3	8538.5	8965.8	9513.7	9862.5	9879.9	9759.3	9451.2	8906.2	8497.8
60°	8180.9	8217.3	8804.4	9770.9	10701.1	11087.7	10565.9	9686.6	8689.6	8122.8
62.5°	7093.8	7189.8	7897.5	9457.0	11378.3	12477.1	11212.6	9329.1	7800.2	7060.4
65°	5083.8	5251.0	6032.9	8070.5	11317.3	13697.9	11119.6	8005.1	6091.0	5237.9
67.5°	2306.5	2476.5	3140.7	5525.7	9837.8	13366.5	9814.5	5583.8	3297.7	2485.2
70°	835.7	864.7	1078.4	2212.0	6287.2	10650.2	6556.1	2228.0	1146.7	921.4
72.5°	505.8	510.1	555.2	792.1	2184.4	6466.0	2277.4	818.2	566.8	502.9
75°	321.2	318.3	395.3	484.0	774.6	2181.5	812.4	484.0	393.9	359.0
77.5°	231.1	238.4	283.4	361.9	488.3	739.8	479.6	345.9	283.4	232.5
80°	172.9	177.3	206.4	282.0	343.0	460.7	305.2	255.8	213.6	145.3
82.5°	125.0	125.0	135.2	204.9	209.3	248.5	165.7	180.2	141.0	103.2
85°	74.1	72.7	84.3	122.1	109.0	91.6	75.6	110.5	88.7	63.9
87.5°	26.2	27.6	26.2	34.9	29.1	24.7	23.3	30.5	24.7	21.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3447.4
3467.7
3515.7
3588.3
3675.5
3765.6
3864.5
3999.6
4152.2
4316.5
4501.0
4692.9
4902.2
5147.8
5423.9
5726.2
6035.8
6409.3
6814.8
7242.1
7682.4
8108.3
8422.2
8471.6
8056.0
7016.8
5175.4
2448.9
909.8
511.6
361.9
236.9
149.7
103.2
62.5
20.3
0.0

OF REPORT)