

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: P952643

Luminaire Tested: **GALN-SB6B-940-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952643
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-SB6B-940-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25929 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

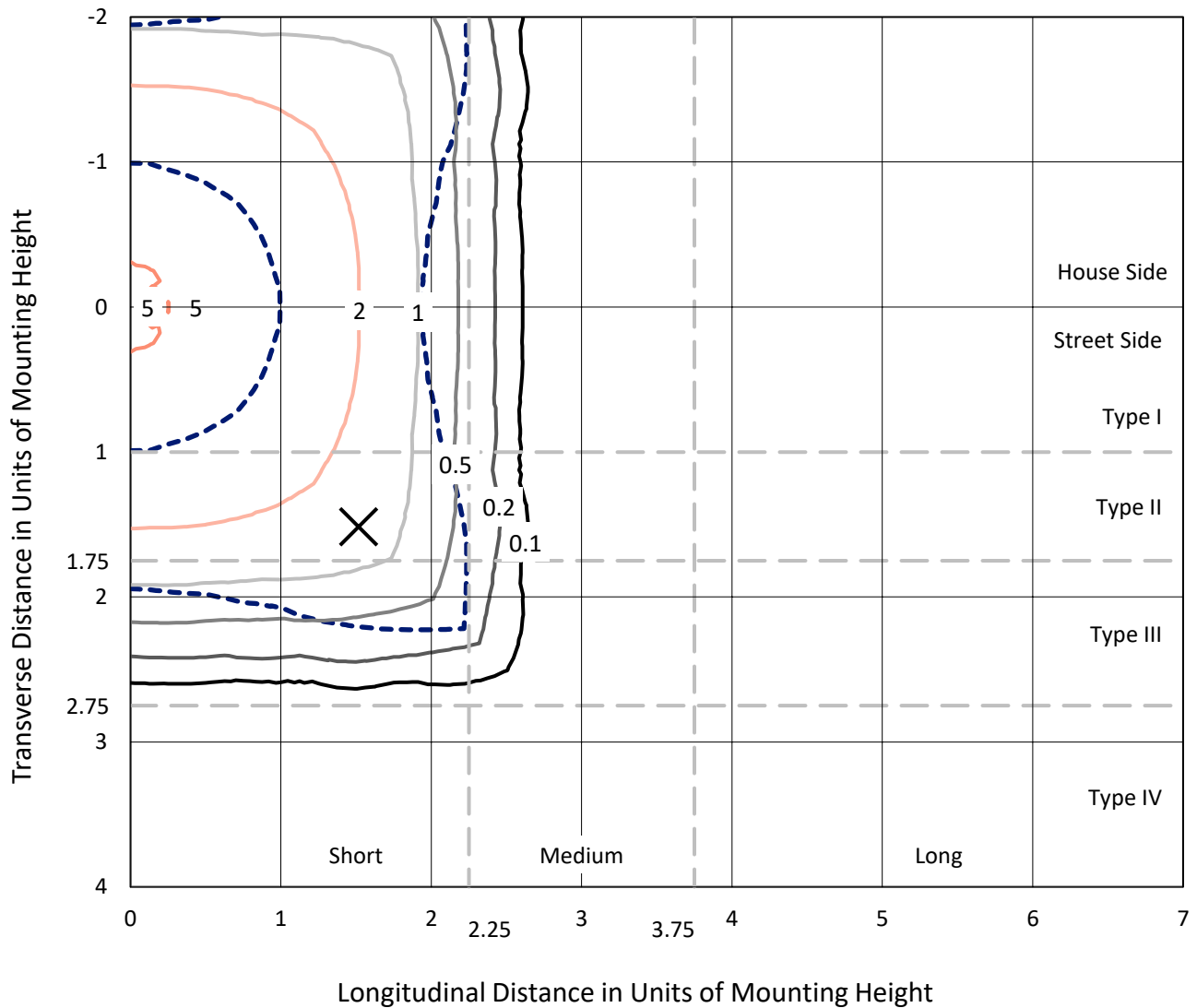
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

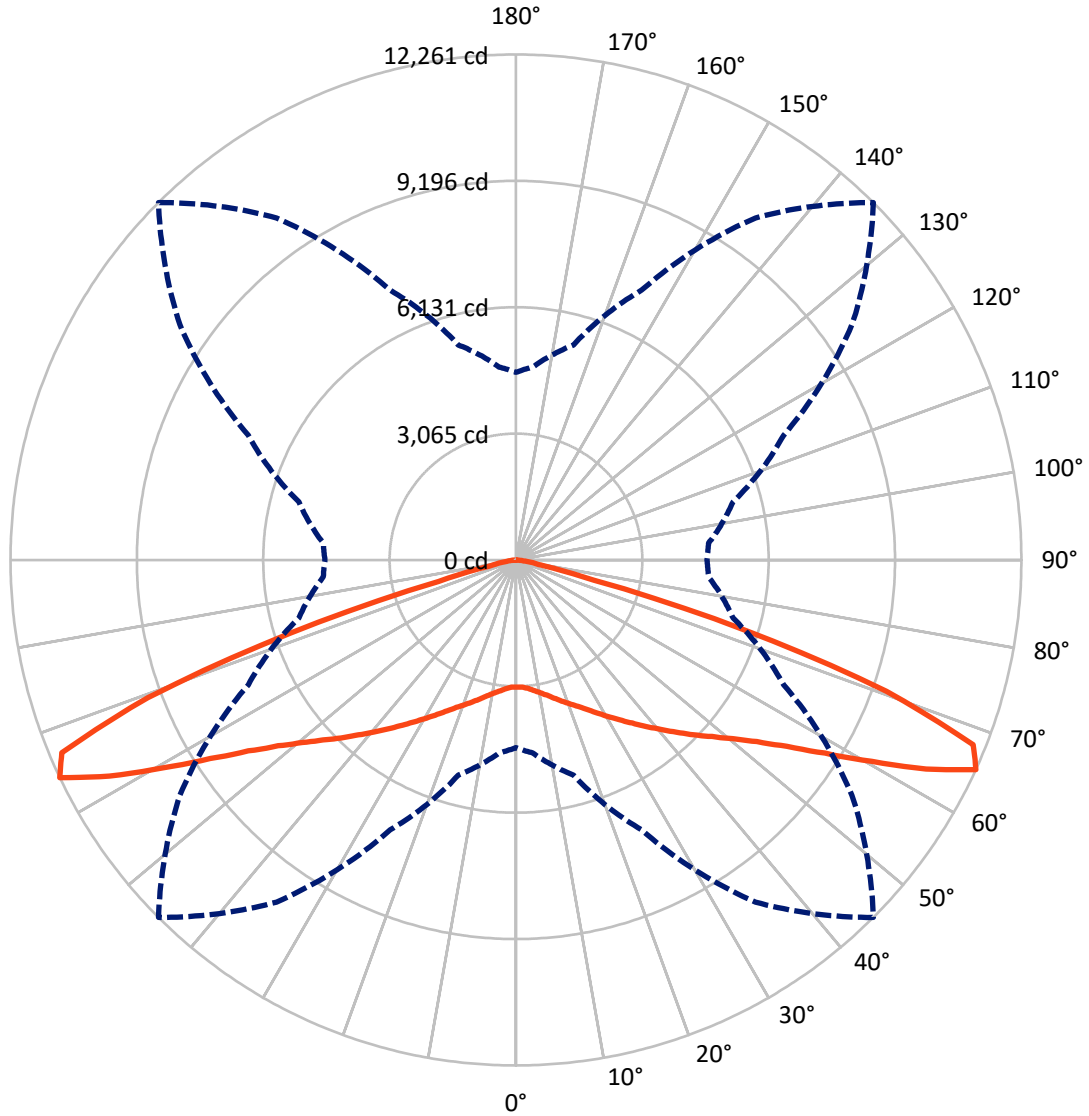
× Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12964.5	0.0	12964.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12964.5	0.0	12964.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25929.0	0.0	25929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	304.5	1.2
10°-20°	993.7	3.8
20°-30°	1876.3	7.2
30°-40°	3072.4	11.8
40°-50°	4763.7	18.4
50°-60°	7037.0	27.1
60°-70°	6698.6	25.8
70°-80°	1080.9	4.2
80°-90°	101.9	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°	25929.0	100.0
0°-180°	25929.0	100.0

Coefficient of Utilization



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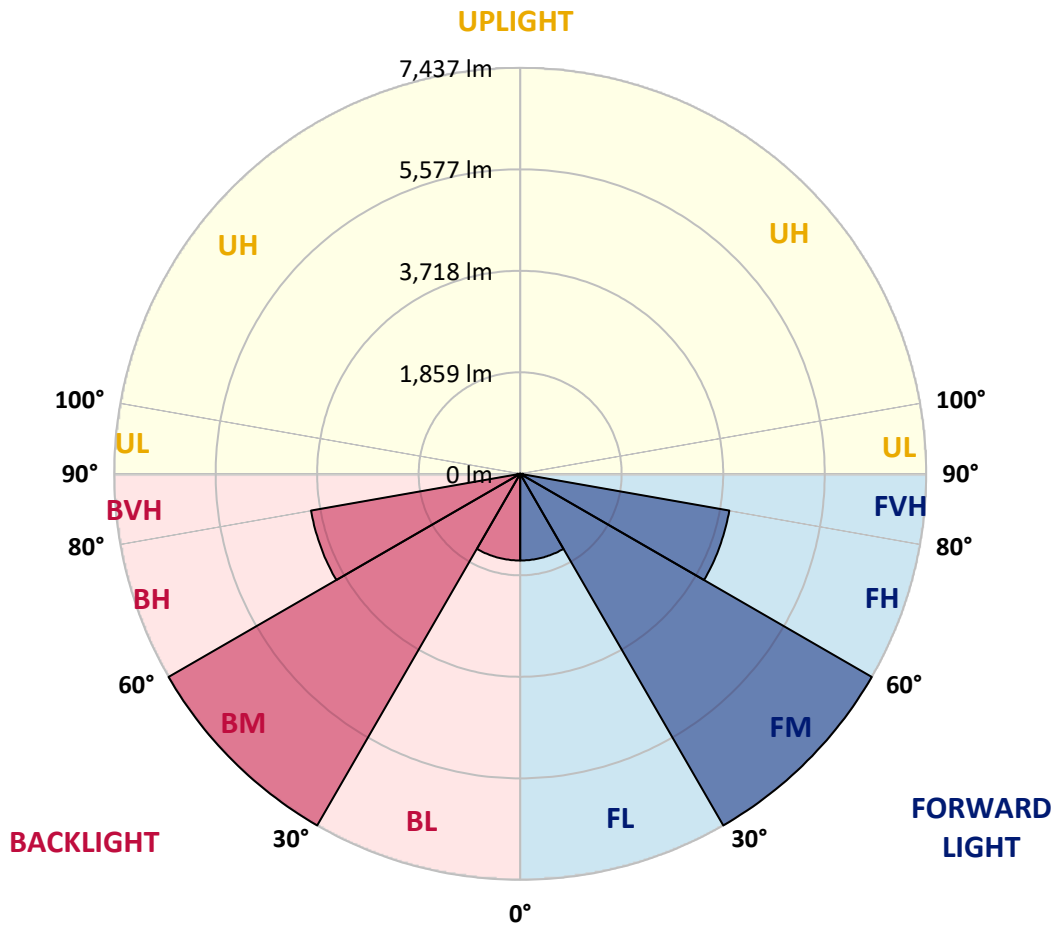
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1587.3	6.1			
FM (30°-60°)	7436.5	28.7			
FH (60°-80°)	3889.7	15.0			G2/5000
FVH (80°-90°)	50.9	0.2			G1/100
BL (0°-30°)	1587.3	6.1	B3/2500		
BM (30°-60°)	7436.5	28.7	B4/8500		
BH (60°-80°)	3889.7	15.0	B4/5000		G2/5000
BVH (80°-90°)	50.9	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°	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8	3085.8
2.5°	3106.6	3096.2	3104.0	3097.5	3092.3	3087.1	3089.7	3098.8	3102.7	3104.0
5°	3148.3	3139.1	3143.1	3143.1	3133.9	3131.3	3132.6	3139.1	3147.0	3147.0
7.5°	3215.9	3206.8	3215.9	3210.7	3202.9	3200.3	3199.0	3204.2	3215.9	3215.9
10°	3297.9	3287.5	3292.7	3290.1	3281.0	3277.0	3275.7	3283.6	3294.0	3292.7
12.5°	3387.6	3375.9	3382.4	3374.6	3372.0	3368.1	3368.1	3366.8	3373.3	3368.1
15°	3487.8	3480.0	3482.6	3477.4	3481.3	3478.7	3468.3	3463.1	3465.7	3457.9
17.5°	3606.2	3588.0	3597.1	3594.5	3594.5	3599.7	3582.8	3576.3	3581.5	3573.7
20°	3742.8	3724.6	3728.5	3723.3	3716.8	3722.0	3701.2	3706.4	3710.3	3705.1
22.5°	3892.4	3869.0	3867.7	3870.3	3856.0	3857.3	3843.0	3856.0	3863.8	3849.5
25°	4045.9	4021.2	4038.1	4031.6	4013.4	4017.3	4006.9	4019.9	4026.4	4008.2
27.5°	4208.5	4191.6	4207.2	4211.1	4189.0	4204.6	4189.0	4200.7	4207.2	4179.9
30°	4398.5	4381.5	4395.8	4406.3	4380.2	4405.0	4391.9	4399.8	4401.1	4368.5
32.5°	4605.3	4579.3	4615.7	4620.9	4592.3	4622.2	4605.3	4615.7	4622.2	4578.0
35°	4857.7	4825.2	4866.8	4860.3	4835.6	4860.3	4844.7	4860.3	4875.9	4822.6
37.5°	5129.6	5095.8	5140.0	5128.3	5104.9	5121.8	5112.7	5123.1	5147.8	5090.5
40°	5428.8	5387.2	5447.0	5426.2	5404.1	5401.5	5406.7	5413.2	5445.7	5382.0
42.5°	5748.8	5704.6	5794.4	5761.8	5730.6	5709.8	5726.7	5739.7	5770.9	5699.4
45°	6114.4	6063.6	6180.7	6141.7	6092.3	6049.3	6076.7	6096.2	6141.7	6055.8
47.5°	6517.7	6460.4	6585.3	6573.6	6493.0	6399.3	6461.7	6517.7	6551.5	6447.4
50°	6911.9	6867.6	7031.5	7045.8	6947.0	6815.6	6902.7	6987.3	6996.4	6859.8
52.5°	7281.3	7237.1	7475.2	7564.9	7476.5	7320.3	7412.7	7498.6	7429.6	7252.7
55°	7576.6	7540.2	7843.3	8074.9	8104.8	7976.0	8030.7	8028.1	7801.7	7529.8
57.5°	7648.2	7643.0	8025.4	8515.9	8828.1	8843.7	8735.8	8460.0	7972.1	7606.5
60°	7322.9	7355.5	7881.0	8746.2	9578.8	9924.8	9457.8	8670.7	7778.3	7270.9
62.5°	6349.8	6435.7	7069.3	8465.2	10185.0	11168.5	10036.7	8350.7	6982.1	6319.9
65°	4550.7	4700.3	5400.2	7224.1	10130.4	12261.3	9953.4	7165.5	5452.2	4688.6
67.5°	2064.6	2216.8	2811.3	4946.1	8806.0	11964.7	8785.2	4998.2	2951.8	2224.6
70°	748.0	774.1	965.3	1980.0	5627.8	9533.2	5868.5	1994.3	1026.4	824.8
72.5°	452.7	456.6	497.0	709.0	1955.3	5787.8	2038.6	732.4	507.4	450.1
75°	287.5	284.9	353.9	433.2	693.4	1952.7	727.2	433.2	352.6	321.3
77.5°	206.8	213.4	253.7	323.9	437.1	662.2	429.3	309.6	253.7	208.1
80°	154.8	158.7	184.7	252.4	307.0	412.4	273.2	229.0	191.2	130.1
82.5°	111.9	111.9	121.0	183.4	187.3	222.5	148.3	161.3	126.2	92.4
85°	66.3	65.0	75.5	109.3	97.6	82.0	67.6	98.9	79.4	57.2
87.5°	23.4	24.7	23.4	31.2	26.0	22.1	20.8	27.3	22.1	19.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3085.8
3104.0
3147.0
3212.0
3290.1
3370.7
3459.2
3580.2
3716.8
3863.8
4029.0
4200.7
4388.0
4607.9
4855.1
5125.7
5402.8
5737.1
6100.1
6482.5
6876.7
7257.9
7538.9
7583.1
7211.1
6280.9
4632.6
2192.1
814.4
457.9
323.9
212.1
134.0
92.4
55.9
18.2
0.0

OF REPORT)