

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: P955502

Luminaire Tested: **GALN-SB8B-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8B-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33977 lumens
Efficiency: N/A
Efficacy: 116.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

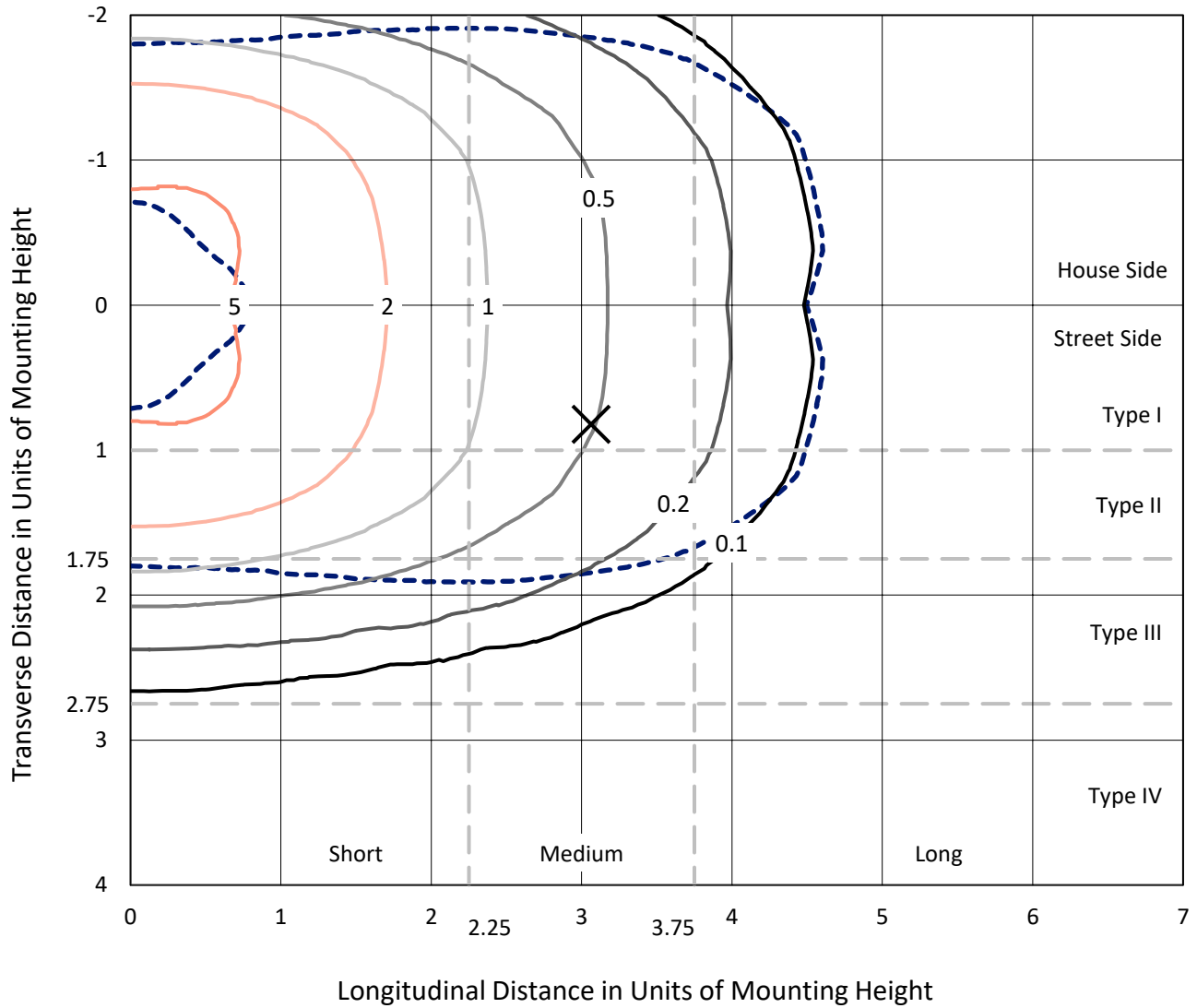
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

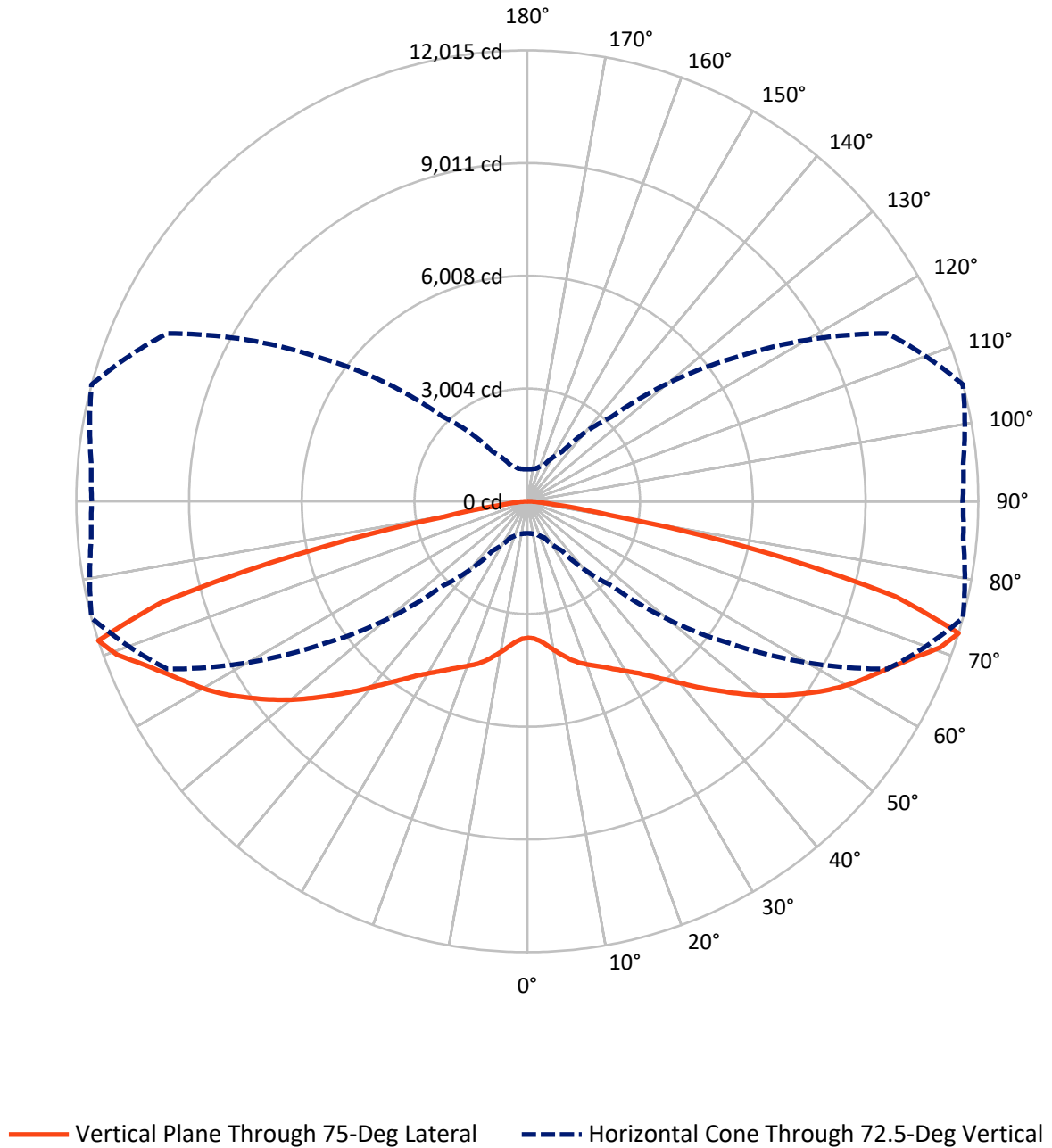
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16988.5	0.0	16988.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16988.5	0.0	16988.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33977.0	0.0	33977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.5	1.0
10°-20°	1175.9	3.5
20°-30°	2272.2	6.7
30°-40°	3836.7	11.3
40°-50°	6084.6	17.9
50°-60°	8146.5	24.0
60°-70°	7752.9	22.8
70°-80°	4045.6	11.9
80°-90°	306.2	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°	33977.0	100.0
0°-180°	33977.0	100.0

Coefficient of Utilization



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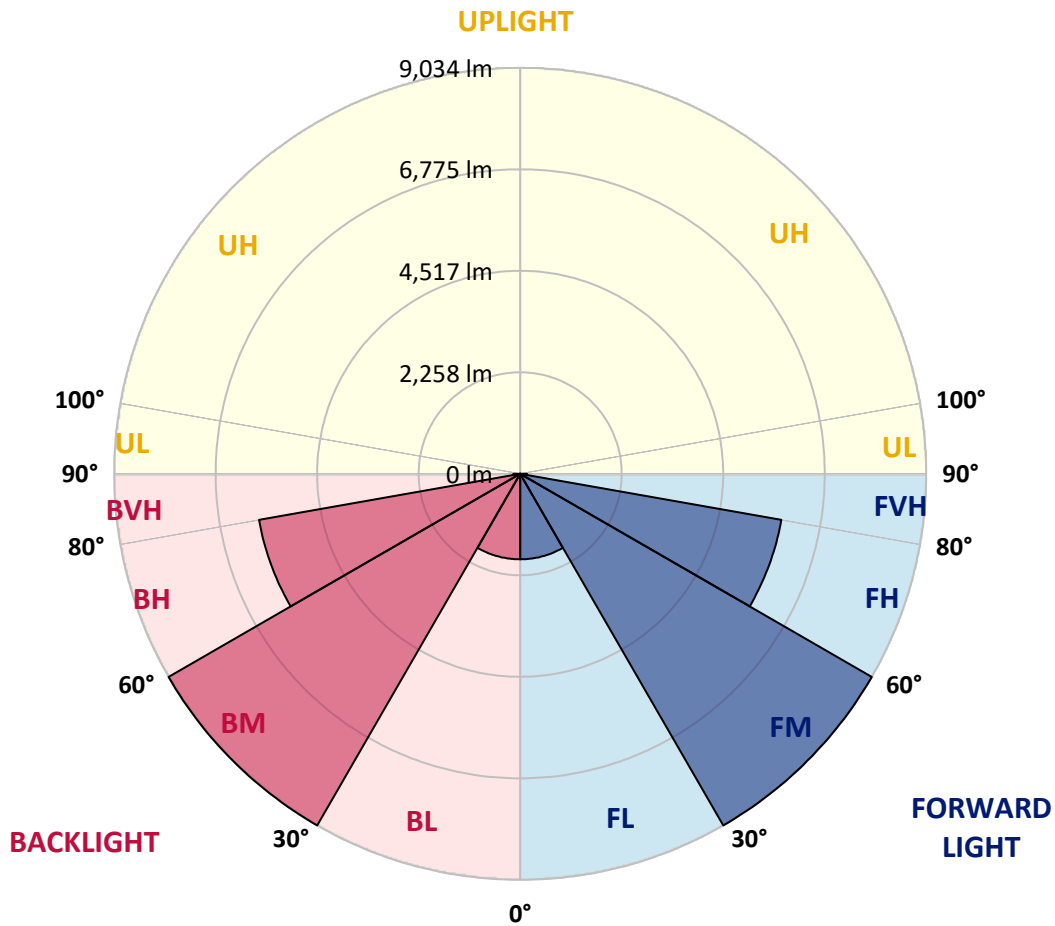
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1902.3	5.6			
FM (30°-60°)	9033.9	26.6			
FH (60°-80°)	5899.2	17.4			G3/7500
FVH (80°-90°)	153.1	0.5			G2/225
BL (0°-30°)	1902.3	5.6	B3/2500		
BM (30°-60°)	9033.9	26.6	B5		
BH (60°-80°)	5899.2	17.4	B5		G5
BVH (80°-90°)	153.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3639.5	3639.5	3639.5	3639.5	3639.5	3639.5	3639.5	3639.5	3639.5	3639.5
2.5°	3639.5	3636.1	3639.5	3643.0	3641.3	3641.3	3650.0	3655.2	3665.6	3663.8
5°	3615.3	3613.5	3627.4	3643.0	3655.2	3676.0	3702.0	3721.1	3745.4	3750.6
7.5°	3603.1	3597.9	3622.2	3650.0	3688.1	3740.2	3790.5	3842.5	3884.1	3898.0
10°	3611.8	3613.5	3646.5	3698.5	3759.2	3832.1	3903.2	3991.7	4050.7	4064.6
12.5°	3651.7	3648.2	3703.7	3787.0	3870.3	3962.2	4045.5	4142.6	4206.8	4239.8
15°	3724.5	3717.6	3795.7	3918.8	4040.3	4147.8	4215.5	4307.4	4382.0	4423.7
17.5°	3811.3	3814.8	3917.1	4076.7	4236.3	4357.7	4421.9	4468.8	4526.0	4562.4
20°	3963.9	3970.9	4085.4	4274.5	4456.6	4595.4	4647.4	4630.1	4645.7	4673.5
22.5°	4168.6	4172.1	4300.5	4505.2	4696.0	4848.7	4883.4	4812.2	4768.9	4788.0
25°	4406.3	4428.9	4557.2	4767.1	4963.2	5108.9	5124.5	5017.0	4909.4	4914.6
27.5°	4696.0	4716.8	4846.9	5055.1	5254.6	5381.3	5379.5	5235.5	5077.7	5037.8
30°	5010.0	5032.6	5166.1	5381.3	5566.9	5677.9	5653.6	5481.9	5256.3	5181.8
32.5°	5383.0	5396.9	5532.2	5747.3	5919.0	6007.5	5957.2	5745.6	5464.5	5379.5
35°	5834.0	5854.8	5955.5	6158.4	6309.4	6382.2	6297.2	6047.4	5731.7	5636.3
37.5°	6349.3	6335.4	6449.9	6630.3	6755.2	6800.3	6684.1	6387.4	6037.0	5924.2
40°	6887.0	6880.1	7005.0	7178.5	7246.1	7273.9	7102.1	6777.7	6389.2	6267.7
42.5°	7374.5	7369.3	7537.6	7730.1	7811.7	7780.4	7563.6	7192.4	6796.8	6658.0
45°	7764.8	7757.9	7964.3	8234.9	8394.5	8342.5	8051.1	7650.3	7209.7	7065.7
47.5°	8064.9	8068.4	8290.5	8625.3	8904.6	8923.7	8548.9	8117.0	7664.2	7501.1
50°	8281.8	8292.2	8529.9	8901.1	9282.7	9451.0	9057.2	8595.8	8134.3	7950.4
52.5°	8335.6	8354.6	8640.9	9076.3	9525.6	9846.5	9574.2	9055.5	8580.2	8405.0
55°	8049.3	8087.5	8450.1	9062.4	9674.8	10106.8	10028.7	9522.1	9029.5	8849.1
57.5°	7391.8	7445.6	7868.9	8668.6	9641.8	10285.4	10380.9	9969.7	9478.8	9305.3
60°	6470.7	6534.9	6940.8	7813.4	9176.9	10351.4	10628.9	10405.1	9891.7	9723.4
62.5°	5081.1	5164.4	5650.1	6673.7	8195.0	10044.3	10840.6	10798.9	10262.9	10053.0
65°	3259.6	3348.1	3859.9	5069.0	6885.3	9104.1	10906.5	11182.3	10654.9	10361.8
67.5°	1965.5	2005.4	2258.7	3072.3	5032.6	7686.8	10347.9	11607.3	11112.9	10748.6
70°	1257.7	1280.3	1431.2	1804.2	2845.0	5608.5	8963.6	11687.1	11668.1	11145.9
72.5°	853.5	860.4	900.3	1068.6	1609.9	3186.8	6611.2	10580.4	12015.0	11657.6
75°	624.5	662.7	726.9	756.4	914.2	1592.5	3788.7	7433.5	10125.8	10282.0
77.5°	464.9	466.7	555.1	589.8	652.3	848.3	1602.9	4149.6	6286.8	6600.8
80°	393.8	373.0	371.2	475.3	490.9	529.1	716.5	1432.9	2251.7	1365.3
82.5°	327.9	305.3	275.8	371.2	334.8	324.4	310.5	582.9	716.5	352.2
85°	229.0	218.6	208.2	242.9	190.8	163.1	149.2	272.4	301.8	149.2
87.5°	98.9	102.4	104.1	107.6	79.8	57.2	57.2	76.3	76.3	59.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3639.5
3662.1
3750.6
3901.5
4078.4
4253.7
4439.3
4579.8
4694.3
4801.8
4923.3
5049.9
5190.4
5400.3
5650.1
5945.1
6307.6
6692.7
7098.7
7549.7
8006.0
8450.1
8899.4
9345.2
9759.8
10077.3
10398.2
10776.4
11142.4
11602.1
9903.8
5887.8
1032.2
300.1
131.8
43.4
0.0

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