

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: P955523

Luminaire Tested: **GALN-SB8B-950-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955523
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-950-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32618 lumens
Efficiency: N/A
Efficacy: 111.4 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

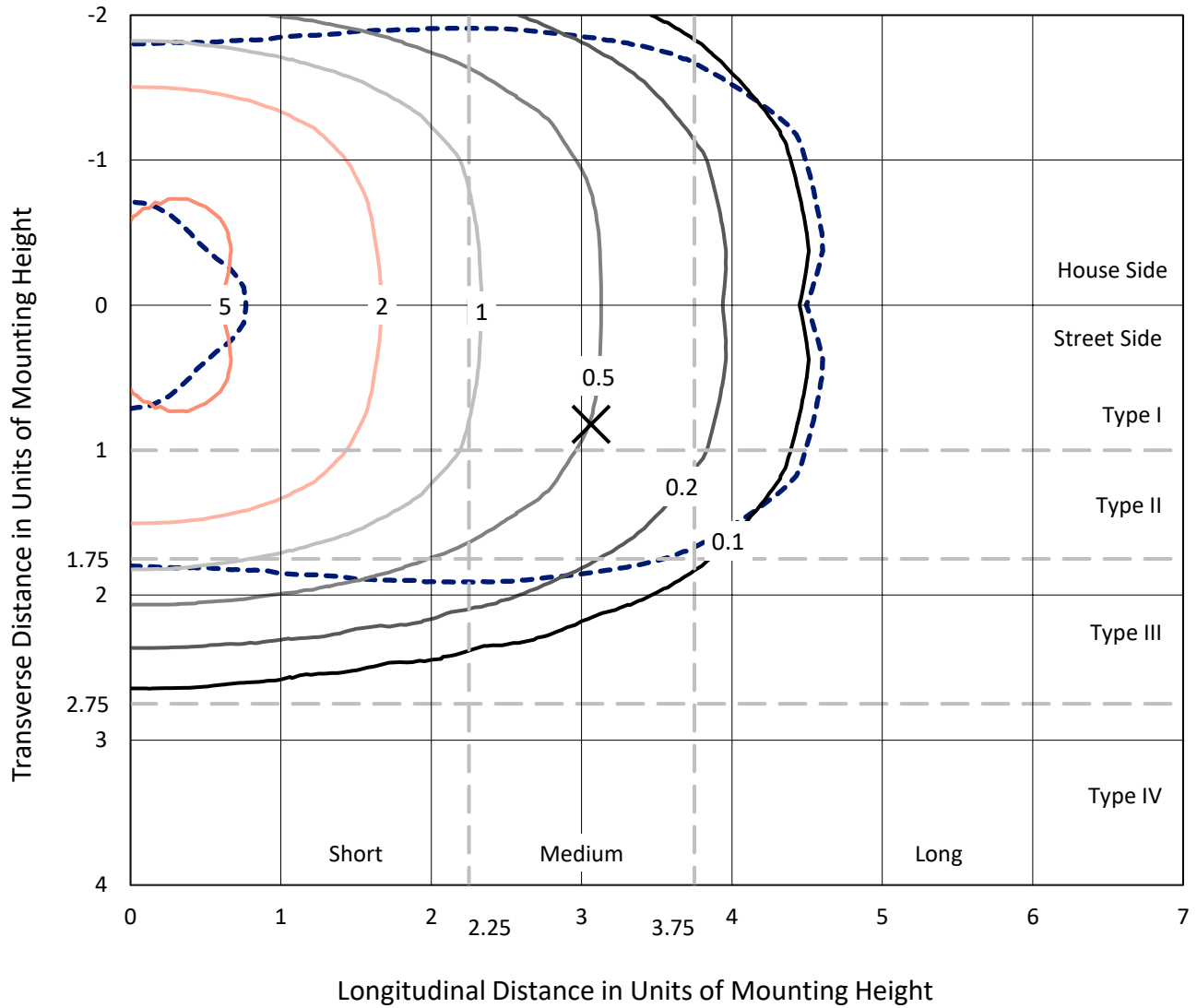
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

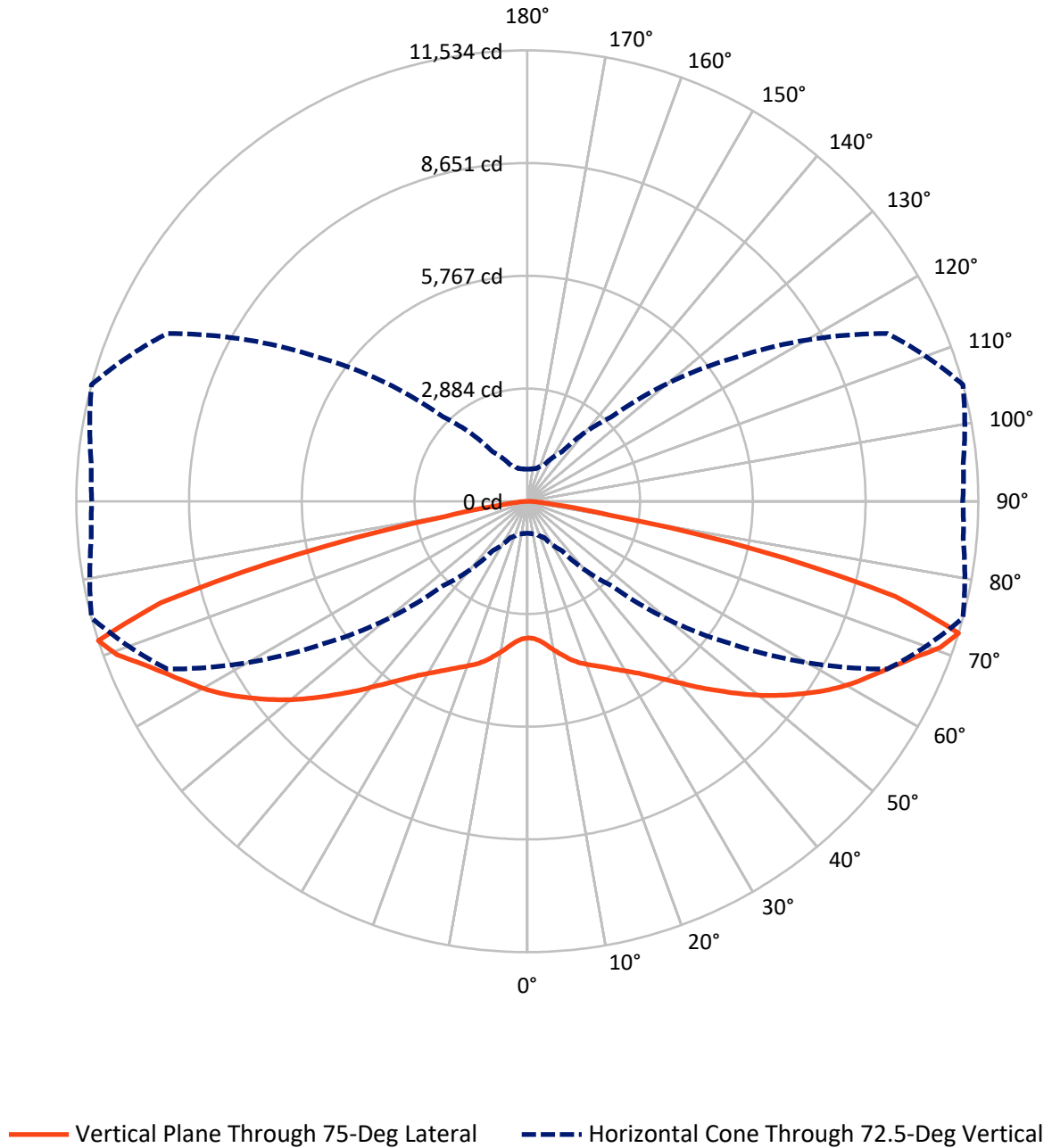
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	16309.0	0.0	16309.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16309.0	0.0	16309.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32618.0	0.0	32618.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.3	1.0
10°-20°	1128.9	3.5
20°-30°	2181.3	6.7
30°-40°	3683.2	11.3
40°-50°	5841.2	17.9
50°-60°	7820.7	24.0
60°-70°	7442.8	22.8
70°-80°	3883.8	11.9
80°-90°	294.0	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°	32618.0	100.0
0°-180°	32618.0	100.0

Coefficient of Utilization



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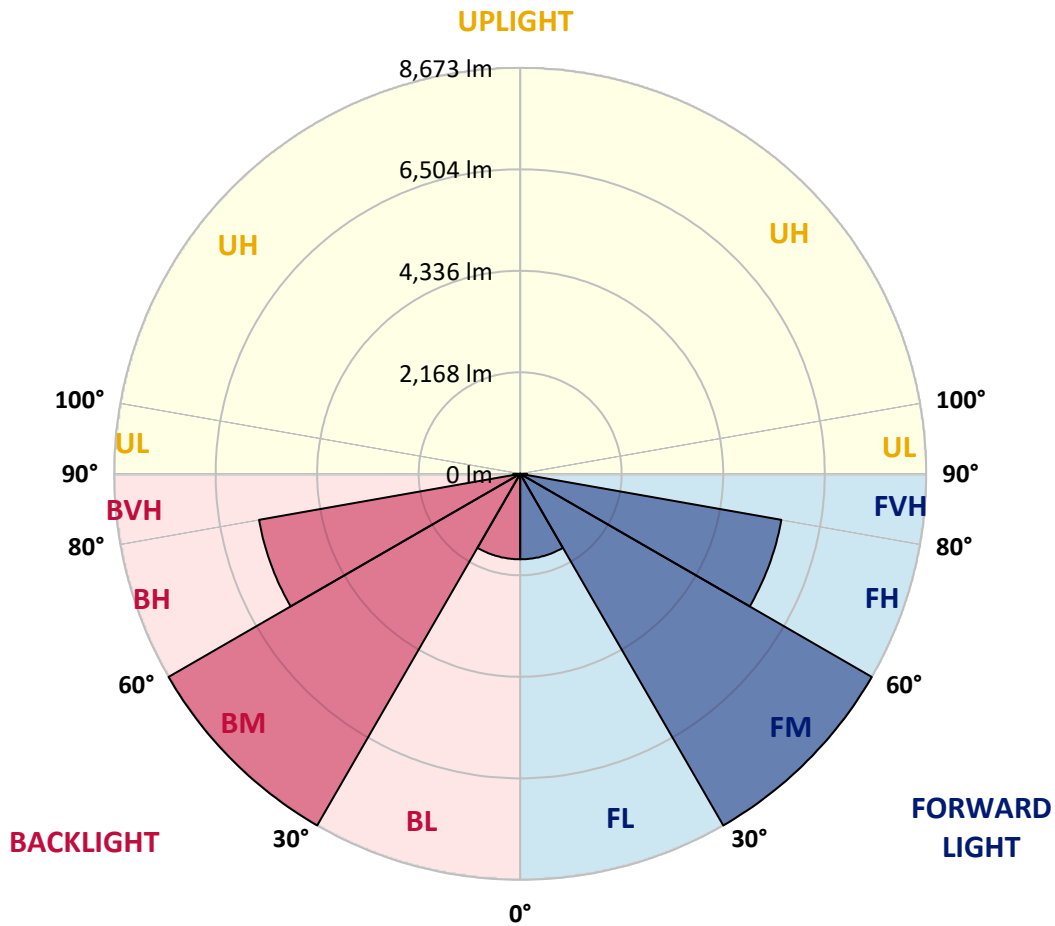
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1826.2	5.6			
FM (30°-60°)	8672.5	26.6			
FH (60°-80°)	5663.3	17.4			G3/7500
FVH (80°-90°)	147.0	0.5			G2/225
BL (0°-30°)	1826.2	5.6	B3/2500		
BM (30°-60°)	8672.5	26.6	B5		
BH (60°-80°)	5663.3	17.4	B5		G5
BVH (80°-90°)	147.0	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°	3494.0	3494.0	3494.0	3494.0	3494.0	3494.0	3494.0	3494.0	3494.0	3494.0
2.5°	3494.0	3490.6	3494.0	3497.3	3495.6	3495.6	3504.0	3509.0	3519.0	3517.3
5°	3470.7	3469.0	3482.3	3497.3	3509.0	3528.9	3553.9	3572.2	3595.6	3600.6
7.5°	3459.0	3454.0	3477.3	3504.0	3540.6	3590.6	3638.9	3688.8	3728.8	3742.1
10°	3467.3	3469.0	3500.6	3550.6	3608.9	3678.8	3747.1	3832.0	3888.7	3902.0
12.5°	3505.6	3502.3	3555.6	3635.5	3715.5	3803.7	3883.7	3976.9	4038.6	4070.2
15°	3575.6	3568.9	3643.9	3762.1	3878.7	3981.9	4046.9	4135.1	4206.8	4246.7
17.5°	3658.8	3662.2	3760.4	3913.6	4066.9	4183.4	4245.1	4290.0	4345.0	4380.0
20°	3805.4	3812.1	3922.0	4103.5	4278.4	4411.6	4461.6	4444.9	4459.9	4486.5
22.5°	4001.9	4005.2	4128.5	4325.0	4508.2	4654.7	4688.1	4619.8	4578.1	4596.5
25°	4230.1	4251.7	4375.0	4576.5	4764.7	4904.6	4919.5	4816.3	4713.0	4718.0
27.5°	4508.2	4528.2	4653.1	4852.9	5044.4	5166.0	5164.3	5026.1	4874.6	4836.3
30°	4809.6	4831.3	4959.5	5166.0	5344.2	5450.8	5427.5	5262.6	5046.1	4974.5
32.5°	5167.7	5181.0	5310.9	5517.4	5682.3	5767.2	5718.9	5515.7	5246.0	5164.3
35°	5600.7	5620.7	5717.3	5912.1	6057.0	6126.9	6045.3	5805.5	5502.4	5410.8
37.5°	6095.3	6082.0	6191.9	6365.1	6485.0	6528.3	6416.7	6131.9	5795.5	5687.3
40°	6611.6	6604.9	6724.8	6891.4	6956.3	6982.9	6818.1	6506.6	6133.6	6017.0
42.5°	7079.5	7074.5	7236.1	7420.9	7499.2	7469.2	7261.1	6904.7	6525.0	6391.7
45°	7454.3	7447.6	7645.8	7905.6	8058.8	8008.8	7729.0	7344.3	6921.3	6783.1
47.5°	7742.4	7745.7	7958.9	8280.3	8548.4	8566.7	8207.0	7792.3	7357.7	7201.1
50°	7950.5	7960.5	8188.7	8545.1	8911.5	9073.0	8695.0	8252.0	7809.0	7632.4
52.5°	8002.2	8020.5	8295.3	8713.3	9144.6	9452.7	9191.2	8693.3	8237.0	8068.8
55°	7727.4	7764.0	8112.1	8700.0	9287.8	9702.5	9627.6	9141.3	8668.3	8495.1
57.5°	7096.2	7147.8	7554.2	8321.9	9256.2	9874.1	9965.6	9571.0	9099.6	8933.1
60°	6211.9	6273.5	6663.2	7500.9	8809.9	9937.3	10203.8	9989.0	9496.0	9334.5
62.5°	4877.9	4957.8	5424.1	6406.7	7867.3	9642.6	10407.0	10367.0	9852.4	9650.9
65°	3129.3	3214.2	3705.5	4866.2	6609.9	8739.9	10470.3	10735.1	10228.8	9947.3
67.5°	1886.9	1925.2	2168.3	2949.4	4831.3	7379.3	9934.0	11143.1	10668.4	10318.7
70°	1207.4	1229.1	1373.9	1732.0	2731.2	5384.2	8605.0	11219.7	11201.4	10700.1
72.5°	819.4	826.0	864.3	1025.9	1545.5	3059.3	6346.8	10157.2	11534.4	11191.4
75°	599.5	636.2	697.8	726.1	877.7	1528.8	3637.2	7136.2	9720.8	9870.7
77.5°	446.3	448.0	532.9	566.2	626.2	814.4	1538.8	3983.6	6035.3	6336.8
80°	378.0	358.1	356.4	456.3	471.3	507.9	687.8	1375.6	2161.7	1310.7
82.5°	314.8	293.1	264.8	356.4	321.4	311.4	298.1	559.6	687.8	338.1
85°	219.8	209.8	199.8	233.2	183.2	156.5	143.2	261.5	289.8	143.2
87.5°	94.9	98.3	99.9	103.3	76.6	55.0	55.0	73.3	73.3	56.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3494.0
3515.6
3600.6
3745.4
3915.3
4083.5
4261.7
4396.6
4506.5
4609.8
4726.4
4847.9
4982.8
5184.3
5424.1
5707.3
6055.3
6425.0
6814.7
7247.7
7685.7
8112.1
8543.4
8971.4
9369.4
9674.2
9982.3
10345.4
10696.7
<i>11138.1</i>
9507.7
5652.3
990.9
288.1
126.6
41.6
0.0

OF REPORT)