

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: P954830

Luminaire Tested: **GALN-SB8A-722-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954830
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-SB8A-722-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30856 lumens
Efficiency: N/A
Efficacy: 135.9 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): 227.1
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

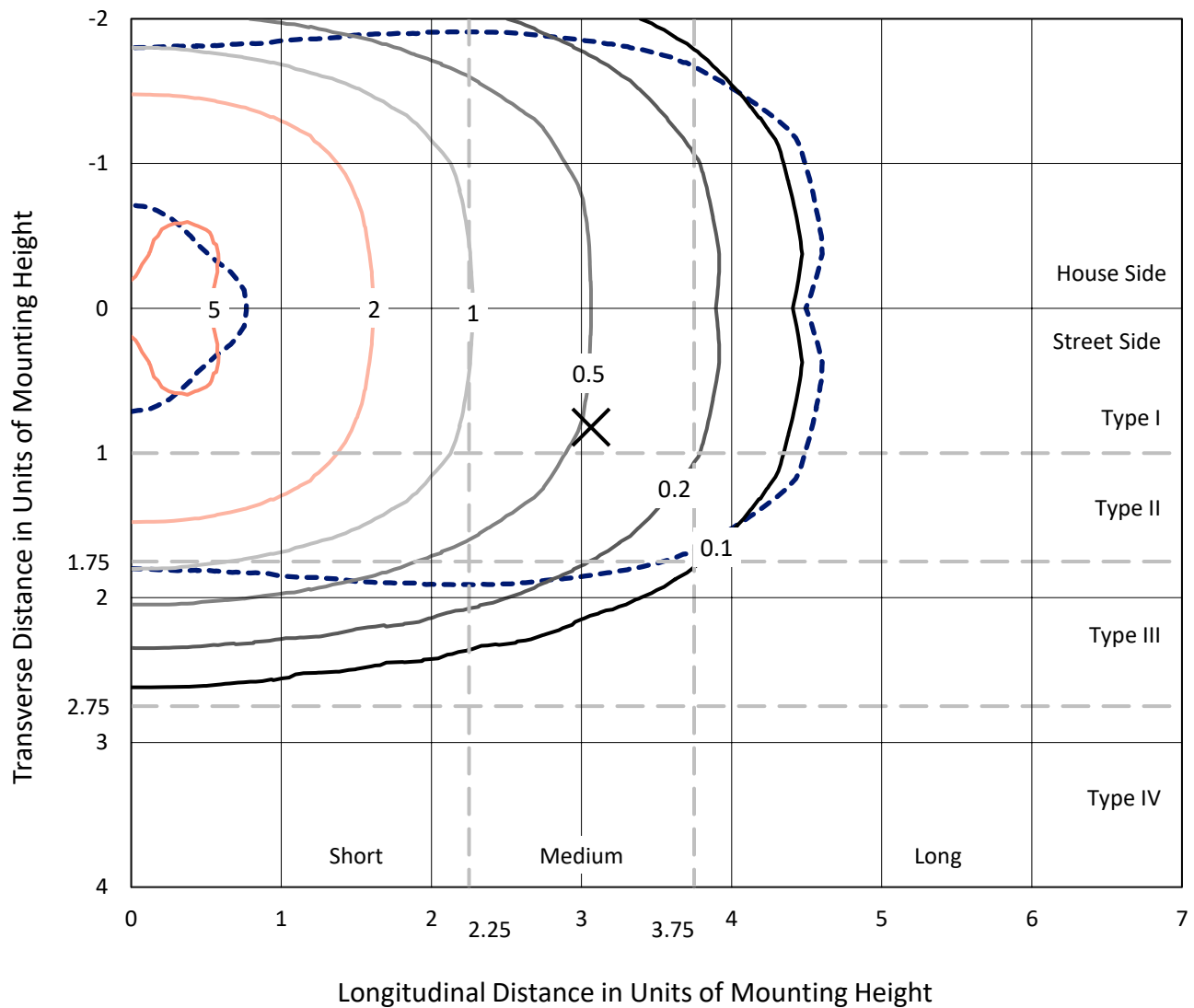


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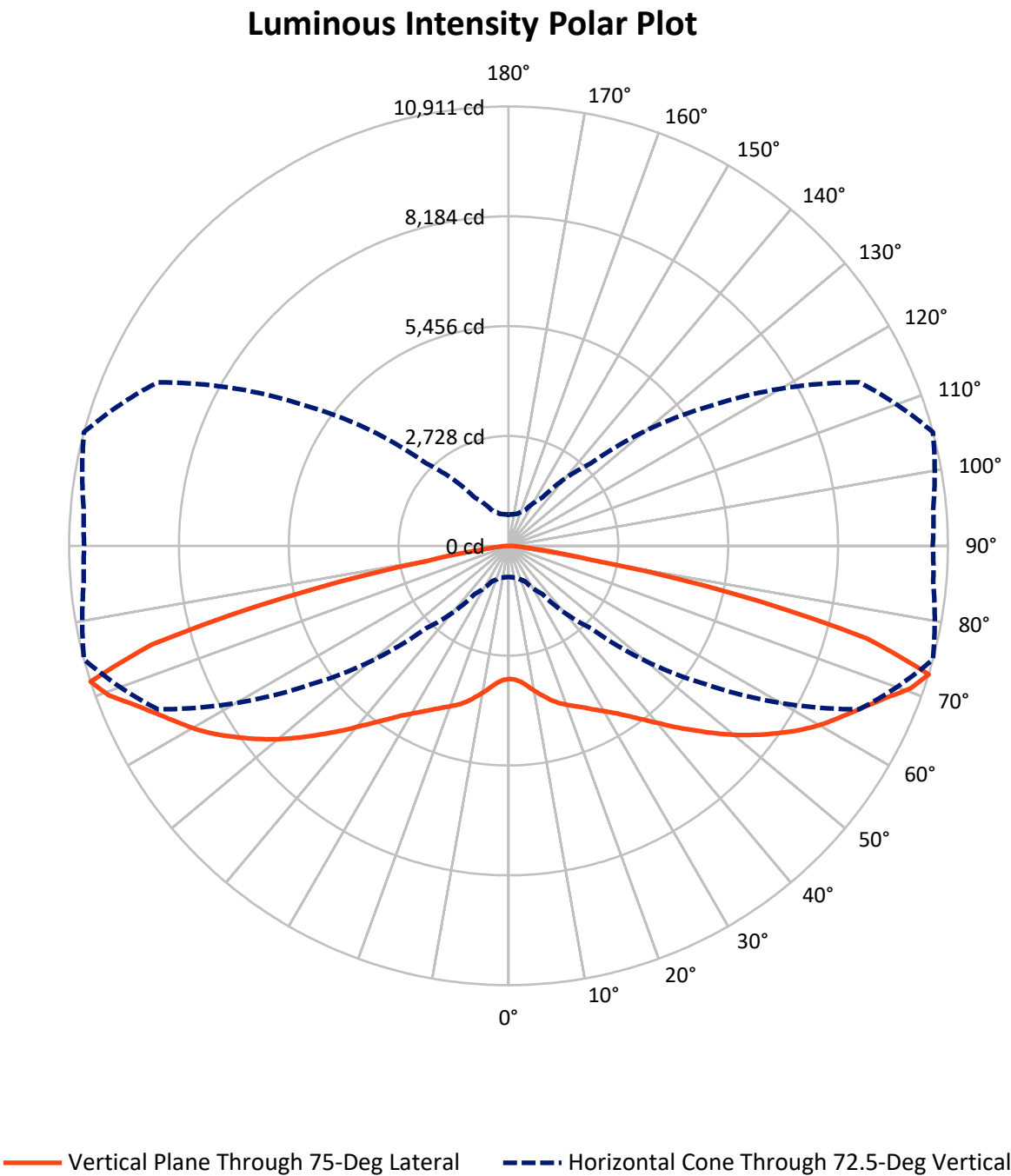
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type III - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15428.0	0.0	15428.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15428.0	0.0	15428.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30856.0	0.0	30856.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.8	1.0
10°-20°	1067.9	3.5
20°-30°	2063.5	6.7
30°-40°	3484.3	11.3
40°-50°	5525.7	17.9
50°-60°	7398.2	24.0
60°-70°	7040.7	22.8
70°-80°	3674.0	11.9
80°-90°	278.1	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°	30856.0	100.0
0°-180°	30856.0	100.0

Coefficient of Utilization



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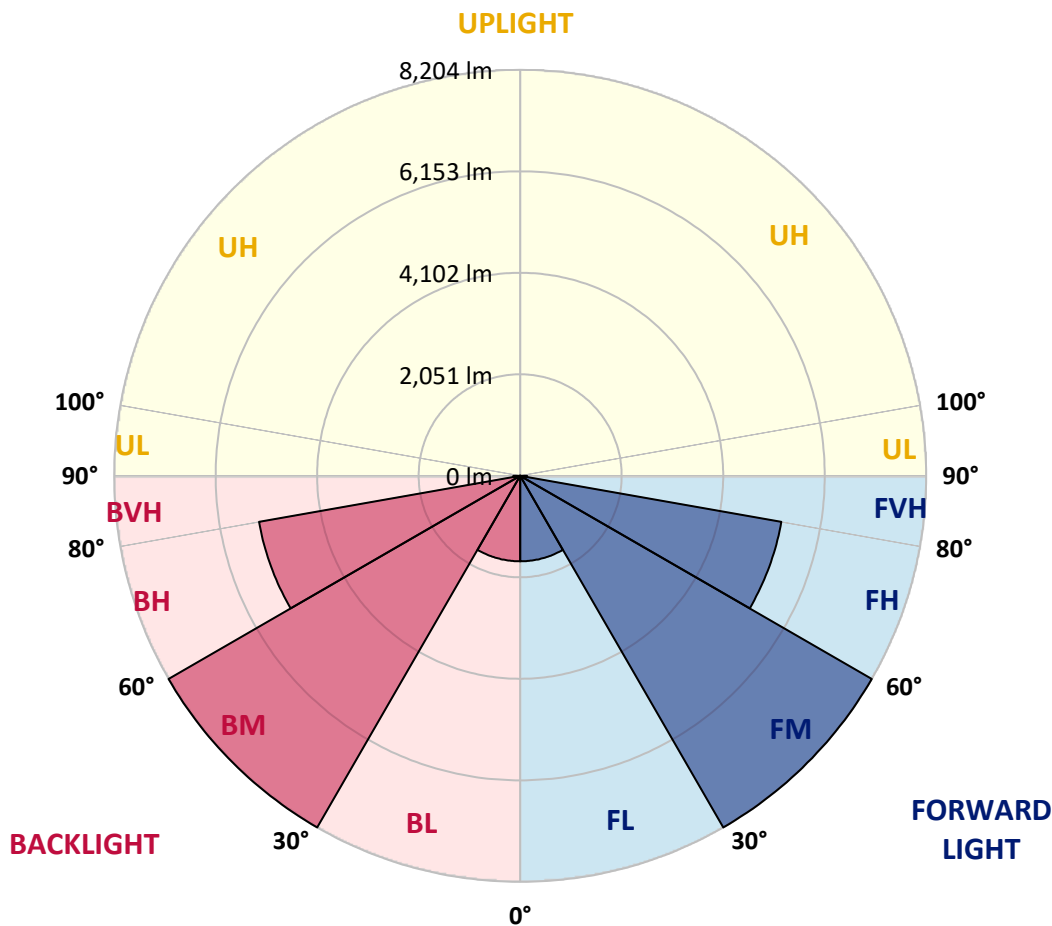
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1727.6	5.6			
FM	(30°-60°)	8204.1	26.6			
FH	(60°-80°)	5357.3	17.4			G3/7500
FVH	(80°-90°)	139.0	0.5			G2/225
BL	(0°-30°)	1727.6	5.6	B3/2500		
BM	(30°-60°)	8204.1	26.6	B4/8500		
BH	(60°-80°)	5357.3	17.4	B5		G5
BVH	(80°-90°)	139.0	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°	90°
0°	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2	3305.2
2.5°	3305.2	3302.1	3305.2	3308.4	3306.8	3306.8	3314.7	3319.4	3328.9	3327.3	3325.7
5°	3283.2	3281.6	3294.2	3308.4	3319.4	3338.3	3361.9	3379.3	3401.3	3406.1	3406.1
7.5°	3272.1	3267.4	3289.5	3314.7	3349.3	3396.6	3442.3	3489.6	3527.4	3540.0	3543.1
10°	3280.0	3281.6	3311.5	3358.8	3413.9	3480.1	3544.7	3625.0	3678.6	3691.2	3703.8
12.5°	3316.3	3313.1	3363.5	3439.1	3514.8	3598.3	3673.9	3762.1	3820.4	3850.3	3862.9
15°	3382.4	3376.1	3447.0	3558.9	3669.2	3766.8	3828.3	3911.8	3979.5	4017.3	4031.5
17.5°	3461.2	3464.3	3557.3	3702.2	3847.2	3957.5	4015.7	4058.3	4110.3	4143.4	4159.1
20°	3599.8	3606.1	3710.1	3881.8	4047.3	4173.3	4220.5	4204.8	4219.0	4244.2	4263.1
22.5°	3785.7	3788.9	3905.5	4091.4	4264.7	4403.3	4434.8	4370.2	4330.8	4348.2	4360.8
25°	4001.6	4022.0	4138.6	4329.3	4507.3	4639.6	4653.8	4556.1	4458.4	4463.2	4471.0
27.5°	4264.7	4283.6	4401.7	4590.8	4771.9	4887.0	4885.4	4754.6	4611.3	4575.0	4586.0
30°	4549.8	4570.3	4691.6	4887.0	5055.5	5156.3	5134.3	4978.3	4773.5	4705.8	4713.7
32.5°	4888.5	4901.1	5024.0	5219.4	5375.3	5455.7	5410.0	5217.8	4962.6	4885.4	4904.3
35°	5298.1	5317.0	5408.4	5592.7	5729.8	5796.0	5718.8	5491.9	5205.2	5118.5	5131.1
37.5°	5766.0	5753.4	5857.4	6021.3	6134.7	6175.6	6070.1	5800.7	5482.5	5380.1	5399.0
40°	6254.4	6248.1	6361.5	6519.1	6580.5	6605.7	6449.8	6155.2	5802.3	5692.0	5728.2
42.5°	6697.1	6692.4	6845.2	7020.1	7094.1	7065.8	6868.8	6531.7	6172.5	6046.5	6078.0
45°	7051.6	7045.3	7232.8	7478.5	7623.5	7576.2	7311.5	6947.6	6547.4	6416.7	6446.6
47.5°	7324.1	7327.3	7528.9	7833.0	8086.6	8104.0	7763.7	7371.4	6960.2	6812.1	6856.2
50°	7521.1	7530.5	7746.3	8083.5	8430.1	8582.9	8225.3	7806.2	7387.1	7220.1	7270.6
52.5°	7569.9	7587.2	7847.2	8242.6	8650.6	8942.1	8694.7	8223.7	7792.0	7632.9	7673.9
55°	7309.9	7344.6	7673.9	8230.0	8786.1	9178.4	9107.5	8647.5	8200.1	8036.2	8081.9
57.5°	6712.9	6761.7	7146.1	7872.4	8756.2	9340.7	9427.3	9053.9	8608.1	8450.5	8486.8
60°	5876.3	5934.6	6303.3	7095.7	8334.0	9400.5	9652.6	9449.4	8983.0	8830.2	8863.3
62.5°	4614.4	4690.0	5131.1	6060.6	7442.3	9121.7	9844.8	9807.0	9320.2	9129.6	9151.6
65°	2960.2	3040.6	3505.3	4603.4	6252.8	8267.8	9904.7	10155.2	9676.2	9410.0	9443.1
67.5°	1785.0	1821.2	2051.2	2790.1	4570.3	6980.7	9397.4	10541.1	10092.1	9761.3	9786.5
70°	1142.2	1162.7	1299.7	1638.4	2583.7	5093.3	8140.2	10613.6	10596.3	10122.1	10118.9
72.5°	775.1	781.4	817.6	970.5	1462.0	2894.0	6003.9	9608.5	10911.4	10586.8	10536.4
75°	567.2	601.8	660.1	686.9	830.2	1446.2	3440.7	6750.7	9195.7	9337.5	8994.1
77.5°	422.2	423.8	504.1	535.6	592.4	770.4	1455.7	3768.4	5709.3	5994.5	5347.0
80°	357.6	338.7	337.1	431.7	445.8	480.5	650.6	1301.3	2044.9	1239.9	937.4
82.5°	297.8	277.3	250.5	337.1	304.1	294.6	282.0	529.3	650.6	319.8	272.5
85°	208.0	198.5	189.1	220.6	173.3	148.1	135.5	247.3	274.1	135.5	119.7
87.5°	89.8	92.9	94.5	97.7	72.5	52.0	52.0	69.3	69.3	53.6	39.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)