

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: P953570

Luminaire Tested: **GALN-SB7A-830-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953570
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-SB7A-830-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29518 lumens
Efficiency: N/A
Efficacy: 148.3 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

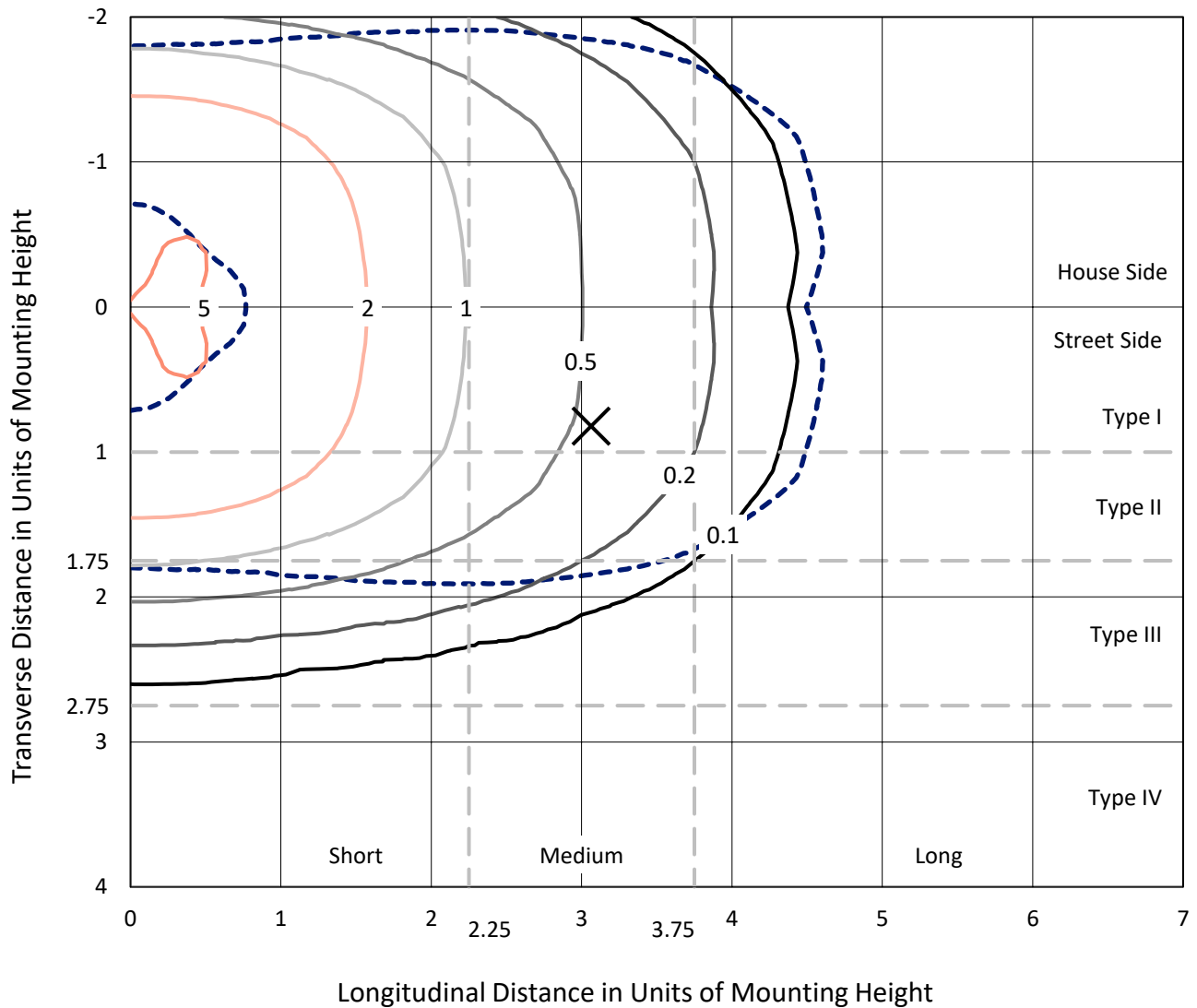
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

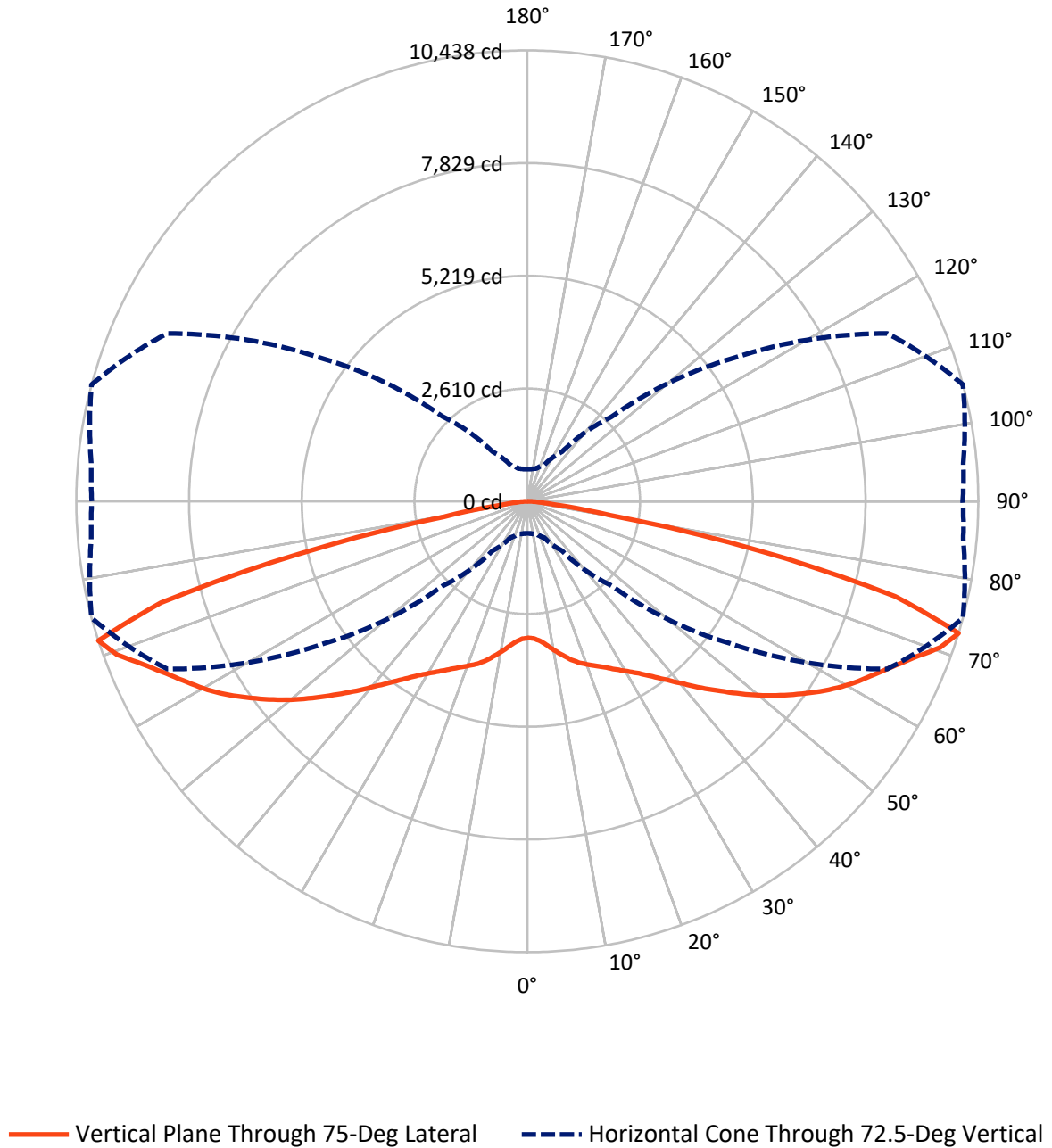
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	14759.0	0.0	14759.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14759.0	0.0	14759.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29518.0	0.0	29518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.7	1.0
10°-20°	1021.6	3.5
20°-30°	1974.0	6.7
30°-40°	3333.2	11.3
40°-50°	5286.0	17.9
50°-60°	7077.4	24.0
60°-70°	6735.4	22.8
70°-80°	3514.6	11.9
80°-90°	266.0	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°	29518.0	100.0
0°-180°	29518.0	100.0

Coefficient of Utilization



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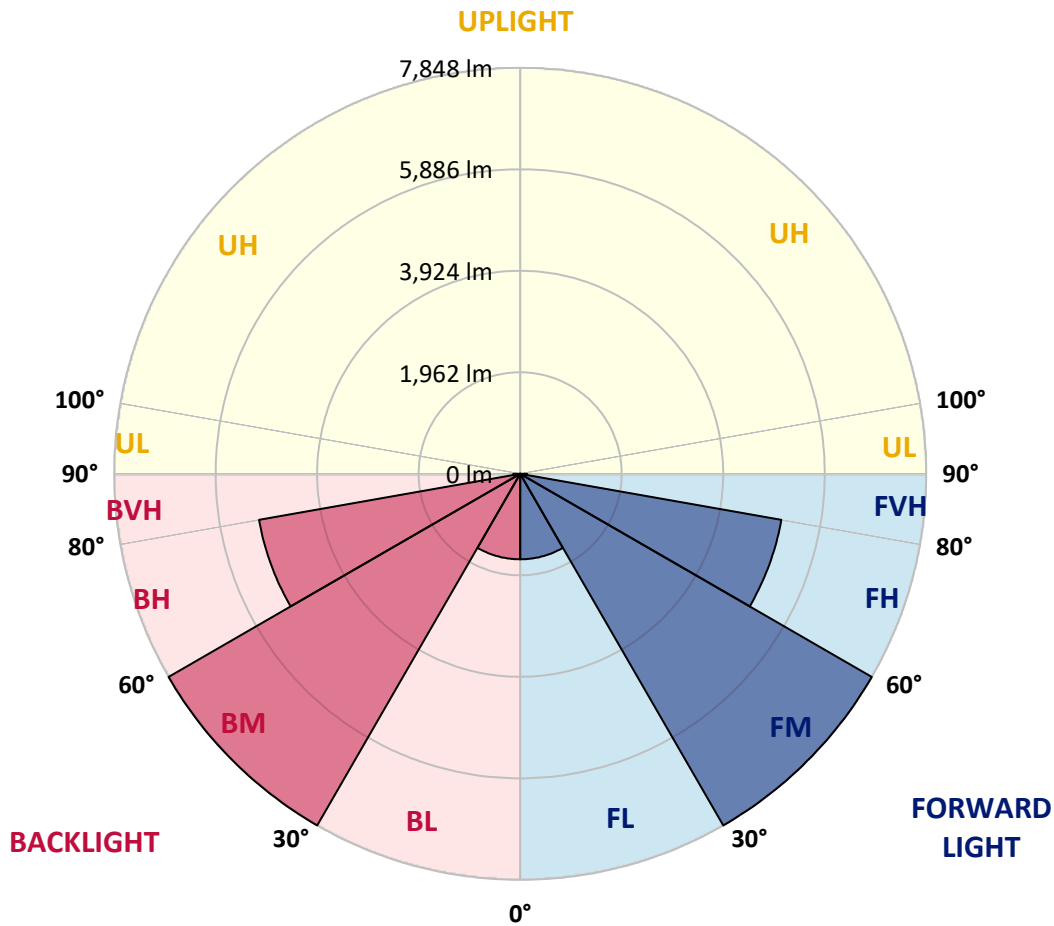
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1652.6	5.6			
FM (30°-60°)	7848.3	26.6			
FH (60°-80°)	5125.0	17.4			G3/7500
FVH (80°-90°)	133.0	0.5			G2/225
BL (0°-30°)	1652.6	5.6	B3/2500		
BM (30°-60°)	7848.3	26.6	B4/8500		
BH (60°-80°)	5125.0	17.4	B5		G5
BVH (80°-90°)	133.0	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°	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9	3161.9
2.5°	3161.9	3158.9	3161.9	3164.9	3163.4	3163.4	3170.9	3175.5	3184.5	3183.0
5°	3140.8	3139.3	3151.4	3164.9	3175.5	3193.6	3216.2	3232.7	3253.8	3258.4
7.5°	3130.3	3125.7	3146.8	3170.9	3204.1	3249.3	3293.0	3338.2	3374.4	3386.5
10°	3137.8	3139.3	3167.9	3213.1	3265.9	3329.2	3391.0	3467.8	3519.1	3531.1
12.5°	3172.5	3169.4	3217.7	3290.0	3362.4	3442.2	3514.6	3599.0	3654.7	3683.4
15°	3235.8	3229.7	3297.5	3404.6	3510.0	3603.5	3662.3	3742.1	3806.9	3843.1
17.5°	3311.1	3314.1	3403.0	3541.7	3680.4	3785.8	3841.6	3882.3	3932.0	3963.7
20°	3443.7	3449.8	3549.2	3713.5	3871.8	3992.3	4037.5	4022.5	4036.0	4060.1
22.5°	3621.6	3624.6	3736.1	3914.0	4079.7	4212.4	4242.5	4180.7	4143.0	4159.6
25°	3828.0	3847.6	3959.2	4141.5	4311.8	4438.4	4452.0	4358.5	4265.1	4269.6
27.5°	4079.7	4097.8	4210.9	4391.7	4565.0	4675.0	4673.5	4548.4	4411.3	4376.6
30°	4352.5	4372.1	4488.2	4675.0	4836.3	4932.8	4911.7	4762.5	4566.5	4501.7
32.5°	4676.5	4688.6	4806.2	4993.0	5142.2	5219.1	5175.4	4991.5	4747.4	4673.5
35°	5068.4	5086.5	5173.9	5350.2	5481.3	5544.6	5470.8	5253.8	4979.5	4896.6
37.5°	5516.0	5503.9	5603.4	5760.2	5868.7	5907.9	5806.9	5549.2	5244.7	5146.8
40°	5983.2	5977.2	6085.7	6236.4	6295.2	6319.3	6170.1	5888.3	5550.7	5445.2
42.5°	6406.7	6402.2	6548.4	6715.7	6786.5	6759.4	6571.0	6248.5	5904.8	5784.3
45°	6745.8	6739.8	6919.1	7154.2	7292.9	7247.7	6994.5	6646.3	6263.5	6138.4
47.5°	7006.5	7009.5	7202.5	7493.3	7736.0	7752.5	7427.0	7051.7	6658.4	6516.7
50°	7194.9	7204.0	7410.4	7733.0	8064.5	8210.7	7868.6	7467.7	7066.8	6907.1
52.5°	7241.6	7258.2	7506.9	7885.2	8275.5	8554.3	8317.7	7867.1	7454.1	7301.9
55°	6993.0	7026.1	7341.1	7873.1	8405.1	8780.4	8712.6	8272.5	7844.5	7687.7
57.5°	6421.8	6468.5	6836.2	7531.0	8376.5	8935.6	9018.5	8661.3	8234.8	8084.1
60°	5621.5	5677.3	6029.9	6788.0	7972.6	8992.9	9234.0	9039.6	8593.5	8447.3
62.5°	4414.3	4486.7	4908.6	5797.8	7119.6	8726.1	9417.9	9381.7	8916.0	8733.7
65°	2831.9	2908.7	3353.3	4403.8	5981.7	7909.3	9475.2	9714.8	9256.6	9001.9
67.5°	1707.5	1742.2	1962.3	2669.1	4372.1	6678.0	8989.9	10084.0	9654.5	9338.0
70°	1092.7	1112.2	1243.4	1567.4	2471.7	4872.5	7787.2	10153.4	10136.8	9683.1
72.5°	741.5	747.5	782.2	928.4	1398.6	2768.6	5743.6	9191.8	10438.2	10127.7
75°	542.6	575.7	631.5	657.1	794.2	1383.5	3291.5	6457.9	8797.0	8932.6
77.5°	403.9	405.4	482.3	512.4	566.7	737.0	1392.6	3605.0	5461.7	5734.5
80°	342.1	324.0	322.5	412.9	426.5	459.7	622.4	1244.9	1956.2	1186.1
82.5°	284.8	265.3	239.6	322.5	290.9	281.8	269.8	506.4	622.4	305.9
85°	198.9	189.9	180.9	211.0	165.8	141.7	129.6	236.6	262.2	129.6
87.5°	85.9	88.9	90.4	93.4	69.3	49.7	49.7	66.3	66.3	51.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3161.9
3181.5
3258.4
3389.5
3543.2
3695.4
3856.7
3978.8
4078.2
4171.7
4277.2
4387.2
4509.3
4691.6
4908.6
5164.8
5479.8
5814.4
6167.1
6558.9
6955.3
7341.1
7731.4
8118.8
8479.0
8754.8
9033.6
9362.1
9680.1
10079.5
8604.1
5115.1
896.7
260.7
114.5
37.7
0.0

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