

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: P952016

Luminaire Tested: **GALN-SB6A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952016
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-SB6A-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28011 lumens
Efficiency: N/A
Efficacy: 163.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

Input Watts (W): 170.9
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

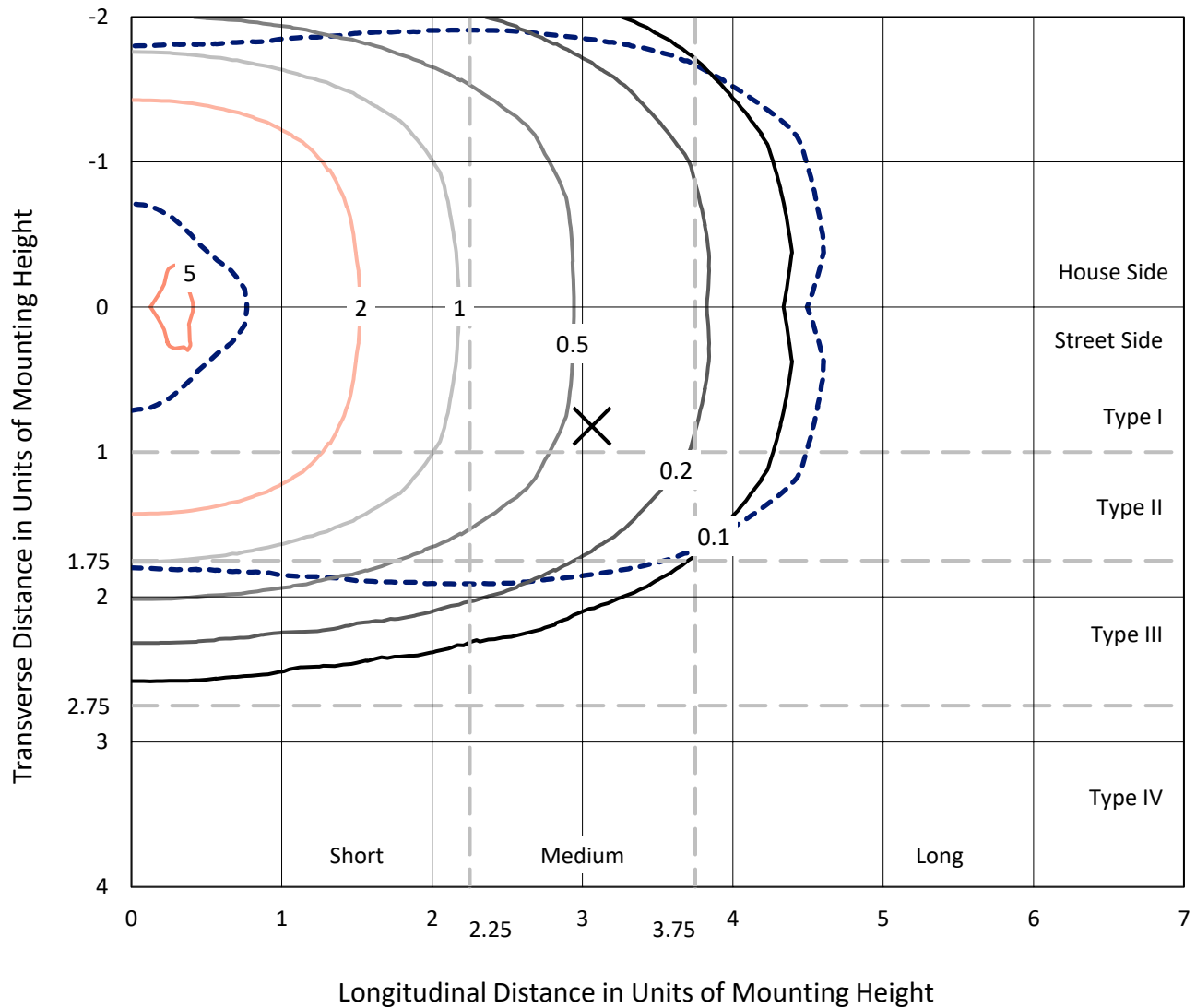


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

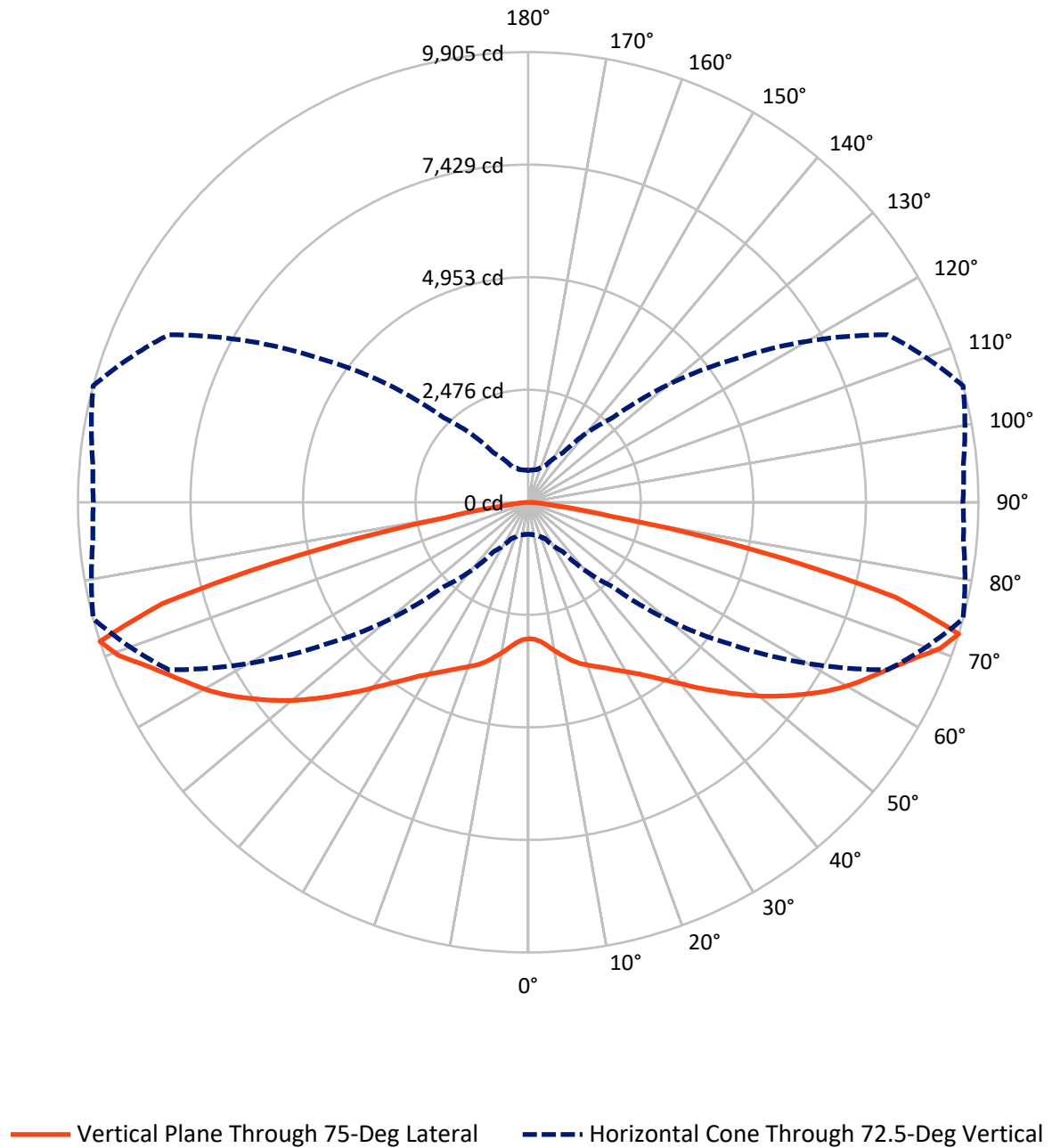


Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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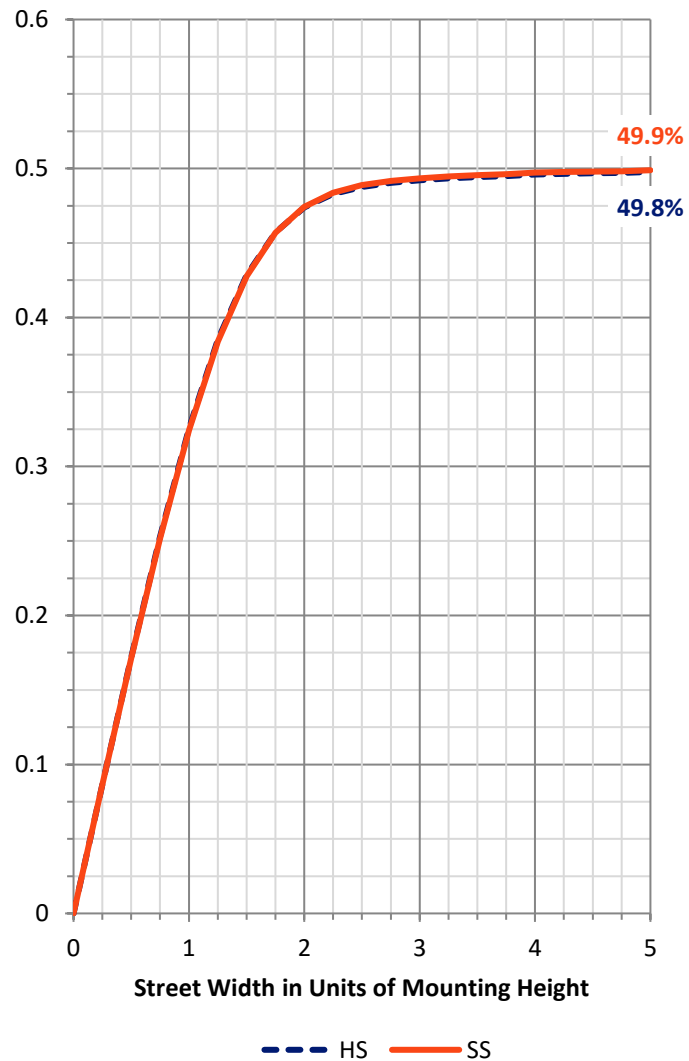
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14005.5	0.0	14005.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14005.5	0.0	14005.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28011.0	0.0	28011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.9	1.0
10°-20°	969.4	3.5
20°-30°	1873.2	6.7
30°-40°	3163.0	11.3
40°-50°	5016.2	17.9
50°-60°	6716.1	24.0
60°-70°	6391.5	22.8
70°-80°	3335.2	11.9
80°-90°	252.5	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°	28011.0	100.0
0°-180°	28011.0	100.0

Coefficient of Utilization



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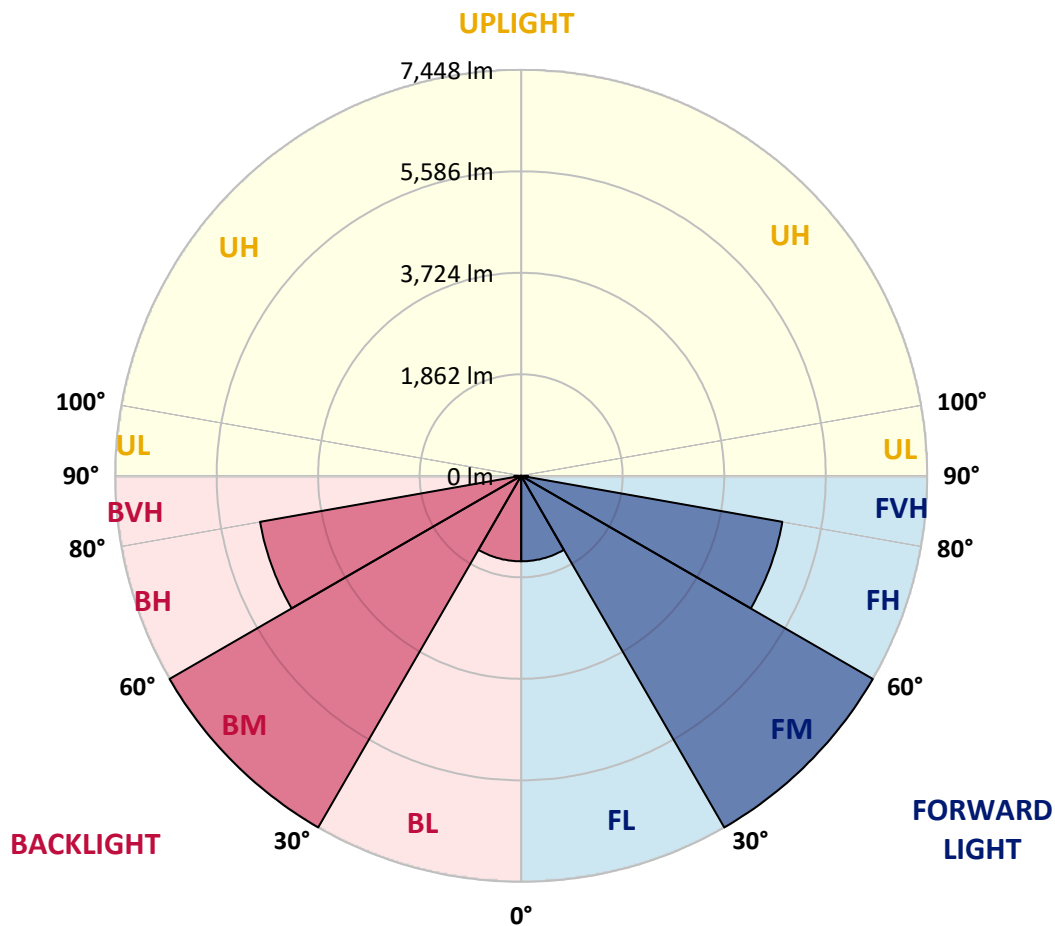
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1568.3	5.6			
FM	(30°-60°)	7447.6	26.6			
FH	(60°-80°)	4863.4	17.4			G2/5000
FVH	(80°-90°)	126.2	0.5			G2/225
BL	(0°-30°)	1568.3	5.6	B3/2500		
BM	(30°-60°)	7447.6	26.6	B4/8500		
BH	(60°-80°)	4863.4	17.4	B4/5000		G4/5000
BVH	(80°-90°)	126.2	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5	3000.5
2.5°	3000.5	2997.6	3000.5	3003.3	3001.9	3001.9	3009.1	3013.4	3021.9	3020.5	3019.1
5°	2980.5	2979.0	2990.5	3003.3	3013.4	3030.5	3052.0	3067.7	3087.7	3092.0	3092.0
7.5°	2970.4	2966.2	2986.2	3009.1	3040.5	3083.4	3124.9	3167.8	3202.1	3213.6	3216.4
10°	2977.6	2979.0	3006.2	3049.1	3099.2	3159.2	3217.9	3290.8	3339.4	3350.9	3362.3
12.5°	3010.5	3007.6	3053.4	3122.0	3190.7	3266.5	3335.1	3415.2	3468.1	3495.3	3506.8
15°	3070.6	3064.8	3129.2	3230.7	3330.8	3419.5	3475.3	3551.1	3612.6	3646.9	3659.8
17.5°	3142.1	3144.9	3229.3	3360.9	3492.5	3592.6	3645.5	3684.1	3731.3	3761.3	3775.6
20°	3267.9	3273.6	3368.0	3523.9	3674.1	3788.5	3831.4	3817.1	3830.0	3852.9	3870.0
22.5°	3436.7	3439.5	3545.4	3714.1	3871.4	3997.3	4025.9	3967.3	3931.5	3947.2	3958.7
25°	3632.6	3651.2	3757.0	3930.1	4091.7	4211.8	4224.7	4136.0	4047.4	4051.6	4058.8
27.5°	3871.4	3888.6	3995.9	4167.5	4332.0	4436.4	4434.9	4316.2	4186.1	4153.2	4163.2
30°	4130.3	4148.9	4259.0	4436.4	4589.4	4680.9	4660.9	4519.3	4333.4	4271.9	4279.0
32.5°	4437.8	4449.2	4560.8	4738.1	4879.7	4952.7	4911.2	4736.7	4505.0	4434.9	4452.1
35°	4809.6	4826.8	4909.7	5077.1	5201.5	5261.6	5191.5	4985.5	4725.3	4646.6	4658.0
37.5°	5234.4	5223.0	5317.3	5466.1	5569.1	5606.2	5510.4	5265.9	4977.0	4884.0	4901.2
40°	5677.7	5672.0	5775.0	5918.0	5973.8	5996.7	5855.1	5587.6	5267.3	5167.2	5200.1
42.5°	6079.6	6075.3	6214.1	6372.8	6440.0	6414.3	6235.5	5929.5	5603.4	5489.0	5517.6
45°	6401.4	6395.7	6565.9	6789.0	6920.6	6877.6	6637.4	6307.0	5943.8	5825.0	5852.2
47.5°	6648.8	6651.7	6834.7	7110.8	7341.0	7356.8	7047.8	6691.7	6318.5	6184.0	6224.1
50°	6827.6	6836.2	7032.1	7338.2	7652.8	7791.5	7466.9	7086.5	6706.0	6554.4	6600.2
52.5°	6871.9	6887.7	7123.6	7482.6	7853.0	8117.6	7893.1	7465.4	7073.6	6929.1	6966.3
55°	6636.0	6667.4	6966.3	7471.2	7976.0	8332.1	8267.8	7850.2	7444.0	7295.3	7336.7
57.5°	6093.9	6138.3	6487.2	7146.5	7948.8	8479.4	8558.1	8219.1	7814.4	7671.4	7704.3
60°	5334.5	5387.4	5722.1	6441.4	7565.6	8533.8	8762.6	8578.1	8154.8	8016.1	8046.1
62.5°	4188.9	4257.6	4658.0	5501.8	6756.1	8280.6	8937.1	8902.8	8460.8	8287.8	8307.8
65°	2687.3	2760.2	3182.1	4178.9	5676.3	7505.5	8991.4	9218.8	8784.1	8542.4	8572.4
67.5°	1620.4	1653.3	1862.1	2532.8	4148.9	6337.0	8530.9	9569.2	9161.6	8861.3	8884.2
70°	1036.9	1055.5	1179.9	1487.4	2345.5	4623.7	7389.6	9635.0	9619.3	9188.8	9185.9
72.5°	703.6	709.4	742.3	881.0	1327.2	2627.2	5450.3	8722.6	9905.3	9610.7	9564.9
75°	514.9	546.3	599.2	623.6	753.7	1312.9	3123.5	6128.2	8347.9	8476.6	8164.8
77.5°	383.3	384.7	457.7	486.3	537.7	699.3	1321.5	3420.9	5182.9	5441.8	4854.0
80°	324.6	307.5	306.1	391.9	404.7	436.2	590.7	1181.3	1856.4	1125.5	850.9
82.5°	270.3	251.7	227.4	306.1	276.0	267.4	256.0	480.5	590.7	290.3	247.4
85°	188.8	180.2	171.6	200.2	157.3	134.4	123.0	224.5	248.8	123.0	108.7
87.5°	81.5	84.4	85.8	88.7	65.8	47.2	47.2	62.9	62.9	48.6	35.8
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)