

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: P940773

Luminaire Tested: **GALN-SB4A-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB4A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17785 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 114
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

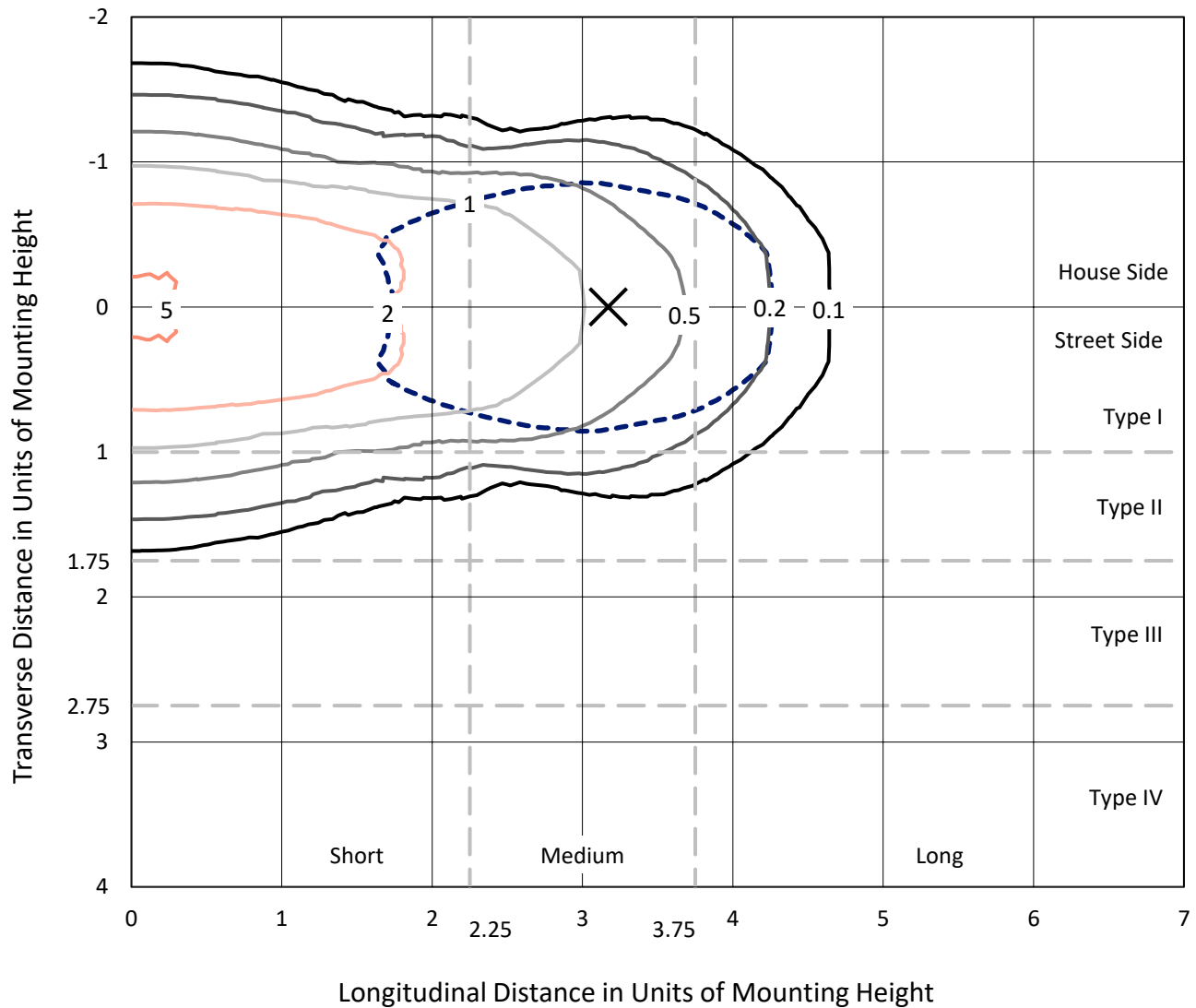


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Iso-Footcandle Lines of Horizontal Illumination

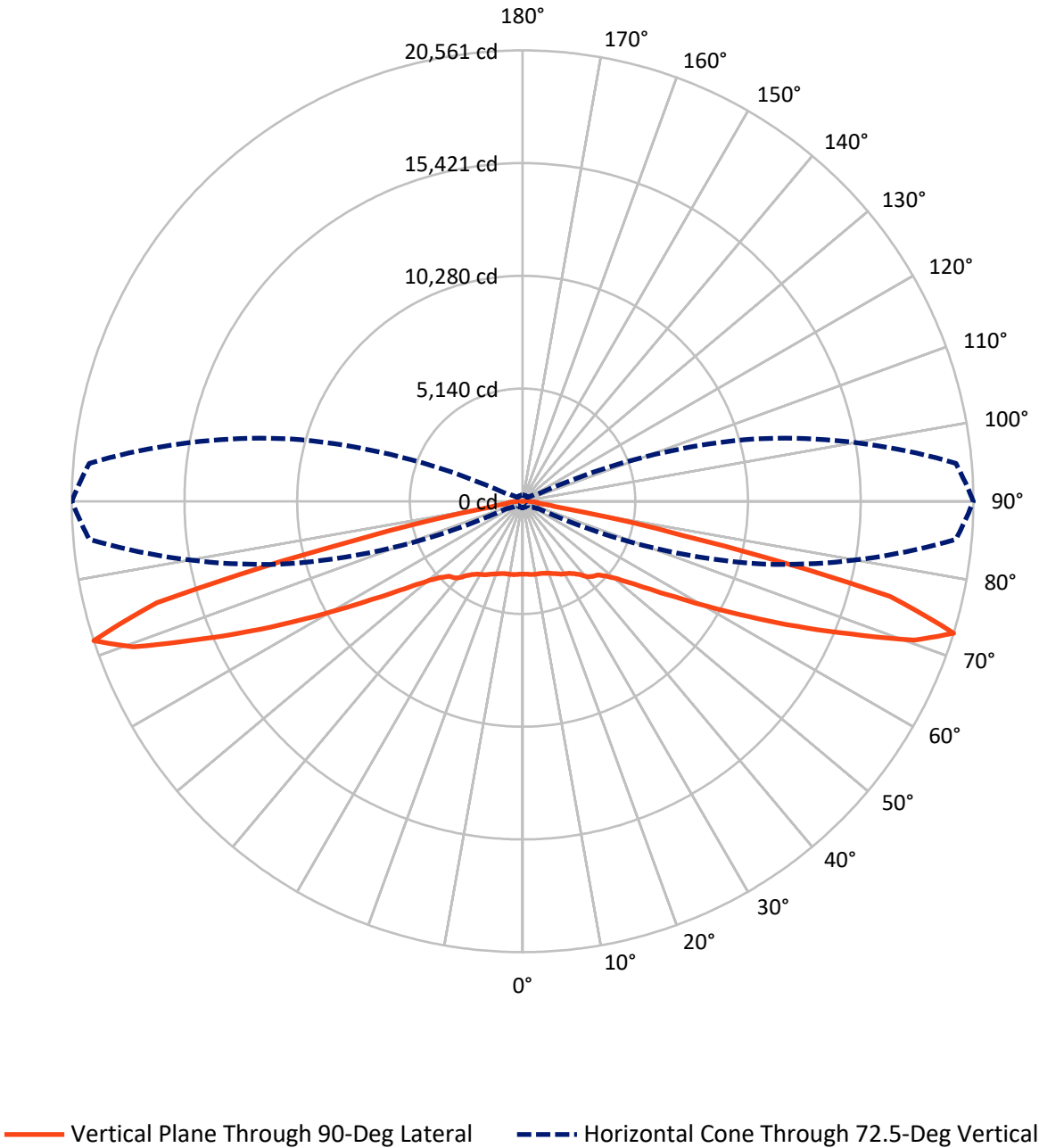
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8892.5	0.0	8892.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8892.5	0.0	8892.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	17785.0	0.0	17785.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.2	1.8
10°-20°	985.3	5.5
20°-30°	1642.8	9.2
30°-40°	2259.4	12.7
40°-50°	2759.4	15.5
50°-60°	3191.5	17.9
60°-70°	3805.4	21.4
70°-80°	2655.9	14.9
80°-90°	163.1	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°	17785.0	100.0
0°-180°	17785.0	100.0

Coefficient of Utilization



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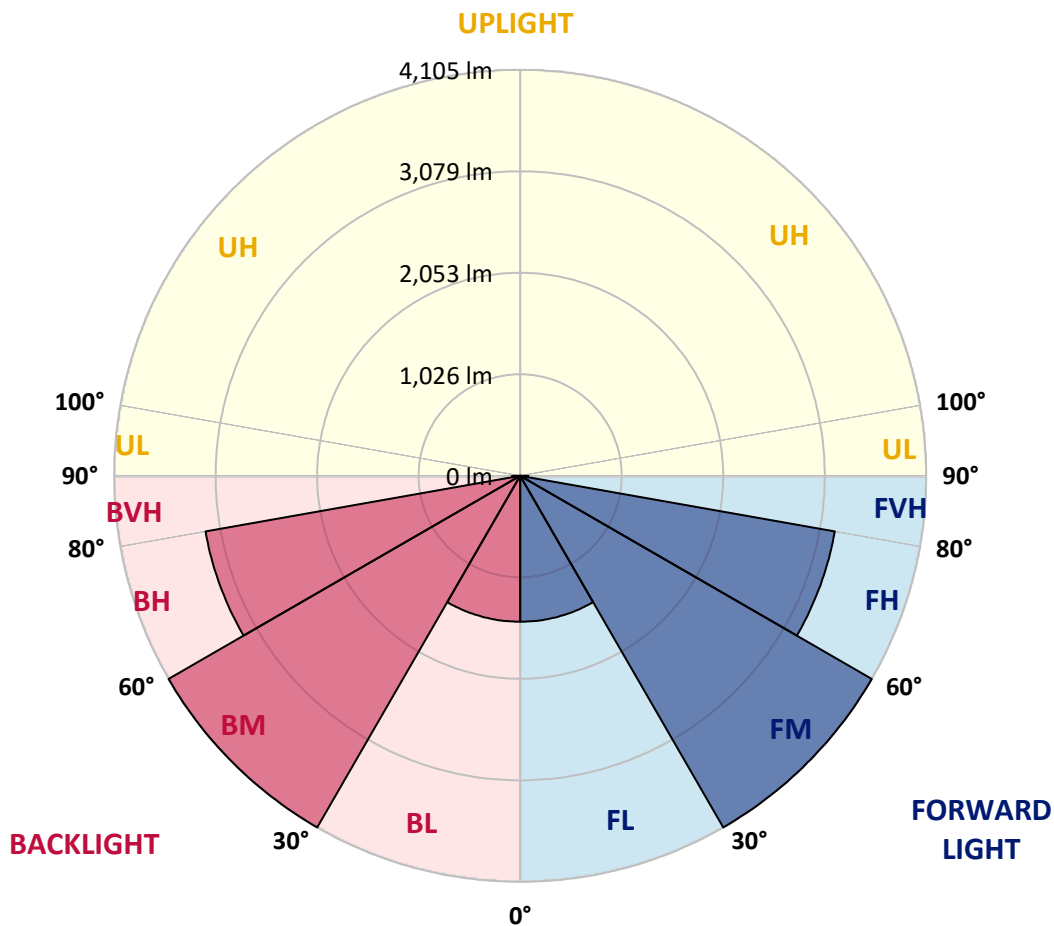
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1475.2	8.3			
FM	(30°-60°)	4105.1	23.1			
FH	(60°-80°)	3230.6	18.2			G2/5000
FVH	(80°-90°)	81.6	0.5			G1/100
BL	(0°-30°)	1475.2	8.3	B3/2500		
BM	(30°-60°)	4105.1	23.1	B3/5000		
BH	(60°-80°)	3230.6	18.2	B4/5000		G4/5000
BVH	(80°-90°)	81.6	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3	3323.3
2.5°	3326.2	3329.9	3329.9	3327.1	3333.7	3328.0	3328.0	3325.2	3328.0	3325.2	3325.2
5°	3343.2	3347.9	3349.8	3348.8	3357.3	3352.6	3352.6	3348.8	3349.8	3346.9	3346.9
7.5°	3375.3	3381.9	3385.7	3390.4	3402.7	3397.0	3393.3	3381.9	3377.2	3369.6	3369.6
10°	3385.7	3393.3	3405.5	3430.1	3458.5	3459.4	3448.1	3419.7	3398.0	3381.0	3378.1
12.5°	3353.6	3364.0	3389.5	3439.6	3502.9	3528.4	3510.5	3463.2	3420.7	3390.4	3385.7
15°	3312.9	3324.3	3363.0	3438.6	3532.2	3591.8	3589.9	3527.5	3459.4	3412.2	3404.6
17.5°	3249.6	3260.9	3316.7	3422.6	3554.9	3653.2	3679.7	3615.4	3519.9	3456.6	3446.2
20°	3135.2	3145.6	3223.1	3371.5	3562.4	3718.4	3787.4	3730.7	3611.6	3525.6	3509.5
22.5°	2986.8	3002.9	3093.6	3283.6	3544.5	3786.5	3910.3	3871.5	3718.4	3599.3	3577.6
25°	2828.0	2845.0	2950.9	3175.9	3498.2	3835.6	4055.8	4031.3	3839.4	3691.0	3660.8
27.5°	2691.0	2708.9	2824.3	3069.1	3426.3	3854.5	4199.5	4211.8	3985.9	3792.1	3760.0
30°	2583.2	2600.2	2723.1	2983.0	3333.7	3835.6	4325.2	4410.3	4135.2	3880.0	3833.7
32.5°	2465.1	2486.8	2616.3	2878.1	3224.1	3790.2	4434.9	4624.9	4308.2	3974.6	3916.0
35°	2315.7	2335.6	2471.7	2734.5	3080.4	3717.5	4526.6	4863.0	4555.9	4118.2	4053.0
37.5°	2134.3	2153.2	2288.3	2554.9	2937.7	3615.4	4596.5	5131.5	4850.8	4325.2	4238.3
40°	1951.8	1969.8	2096.4	2354.5	2766.6	3484.9	4621.1	5394.2	5189.1	4609.7	4517.1
42.5°	1784.5	1800.6	1916.9	2156.9	2574.7	3318.6	4588.9	5623.0	5492.5	4808.2	4689.1
45°	1630.5	1644.6	1747.7	1971.7	2375.3	3116.3	4492.5	5868.7	5853.6	4950.0	4789.3
47.5°	1454.7	1468.8	1575.6	1792.1	2175.8	2879.1	4329.0	6110.7	6355.5	5271.4	5086.1
50°	1240.1	1252.4	1362.0	1585.1	1968.8	2626.7	4102.2	6300.7	6988.8	5758.1	5525.6
52.5°	985.8	999.1	1105.9	1328.9	1723.1	2355.4	3803.5	6424.5	7720.4	6468.9	6182.5
55°	733.5	742.9	835.6	1035.9	1418.7	2046.4	3429.2	6459.5	8550.3	7440.6	7082.4
57.5°	532.1	537.8	597.4	746.7	1075.6	1659.8	2974.5	6368.7	9538.0	8686.4	8235.5
60°	431.0	432.9	450.9	517.0	747.7	1223.1	2425.4	6056.8	10609.8	10292.3	9724.2
62.5°	391.3	391.3	396.0	414.0	505.7	807.2	1760.9	5410.3	11759.2	12321.6	11560.7
65°	363.9	363.9	365.8	374.3	398.9	514.2	1111.6	4357.4	12728.0	14698.8	13736.6
67.5°	339.3	340.3	339.3	342.2	356.3	380.0	644.6	3009.5	13249.8	17162.0	16123.2
70°	313.8	315.7	311.0	311.0	322.3	323.3	403.6	1650.3	12816.9	19226.3	18953.1
72.5°	283.6	286.4	278.8	276.9	285.4	281.7	303.4	792.1	11004.0	19842.5	20560.9
75°	257.1	260.9	243.9	239.1	239.1	236.3	246.7	406.4	7141.9	16186.5	17313.2
77.5°	233.5	241.0	213.6	198.5	194.7	186.2	201.3	248.6	3123.9	7599.4	7441.5
80°	192.8	203.2	175.8	157.8	151.2	141.8	158.8	173.9	929.1	1764.7	1690.0
82.5°	143.7	148.4	124.8	112.5	106.8	100.2	119.1	121.0	302.5	624.8	706.1
85°	91.7	93.6	76.6	66.2	63.3	60.5	75.6	66.2	115.3	459.4	667.3
87.5°	32.1	36.9	29.3	26.5	28.4	23.6	35.0	19.8	32.1	324.2	401.7
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)