

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: P940943

Luminaire Tested: **GALN-SB4B-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940943
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-SB4B-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

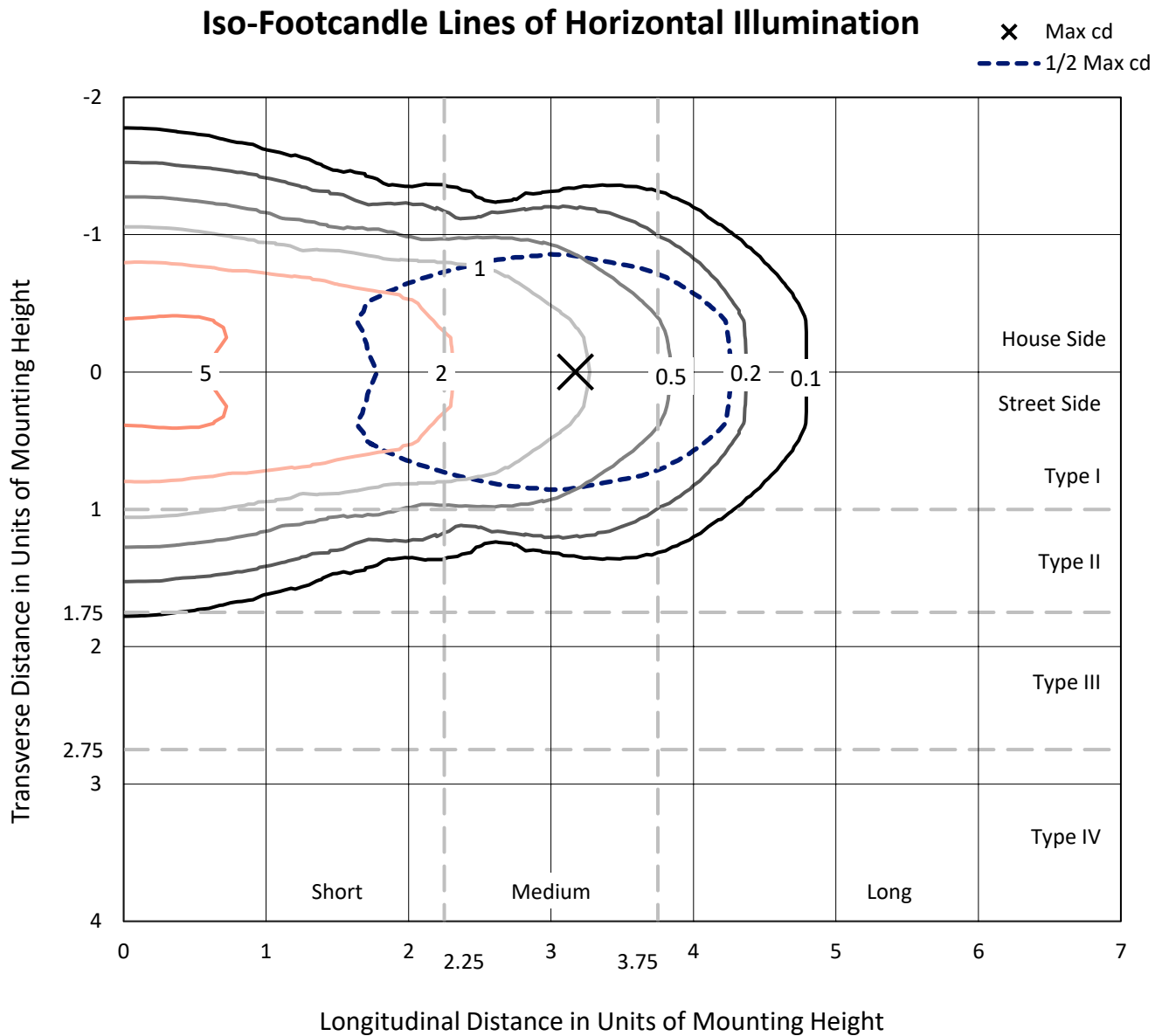
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22326 lumens
Efficiency: N/A
Efficacy: 151.9 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): 147
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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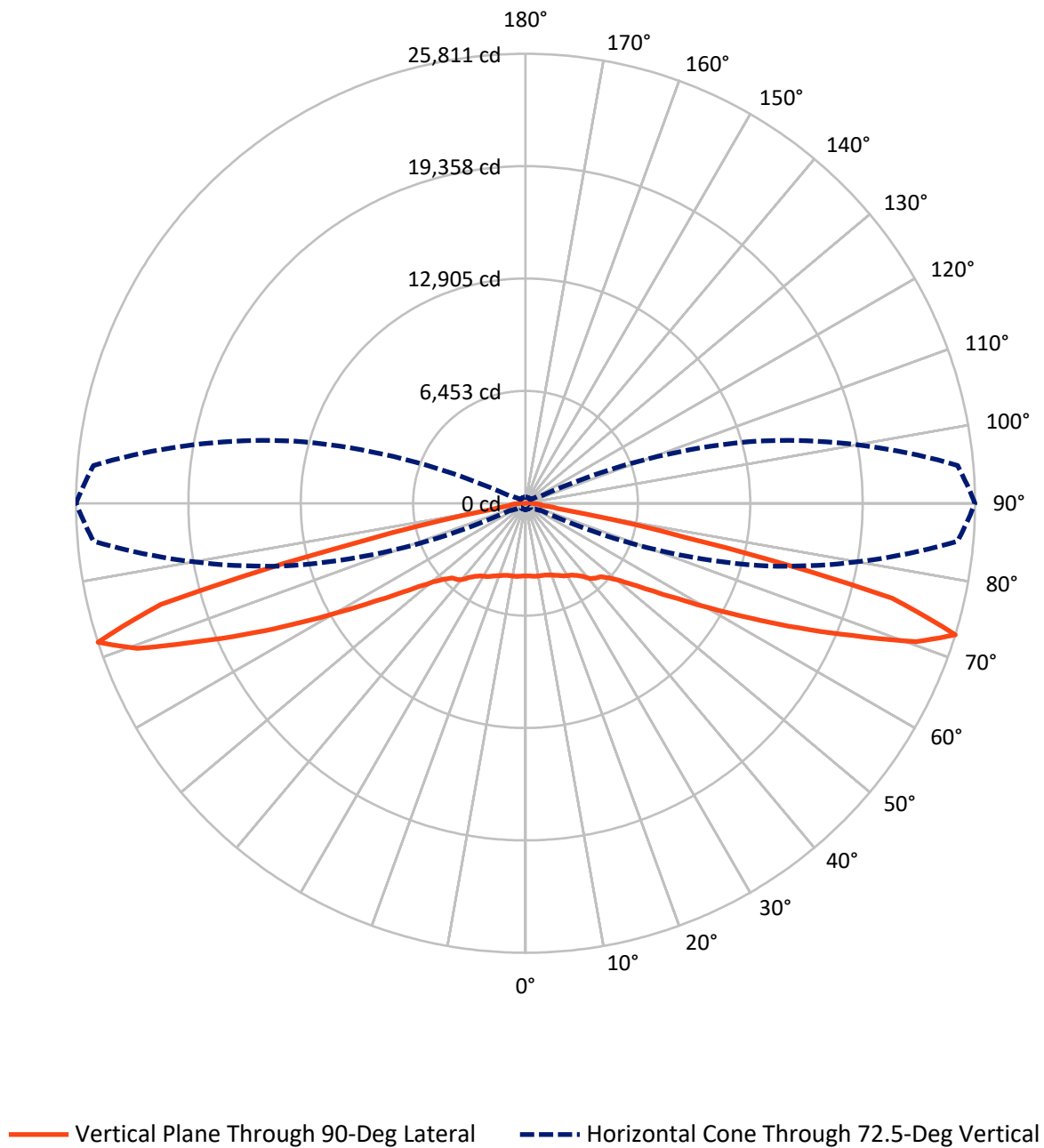


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11163.0	0.0	11163.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11163.0	0.0	11163.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	22326.0	0.0	22326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	1.8
10°-20°	1236.8	5.5
20°-30°	2062.3	9.2
30°-40°	2836.3	12.7
40°-50°	3463.9	15.5
50°-60°	4006.4	17.9
60°-70°	4777.0	21.4
70°-80°	3334.0	14.9
80°-90°	204.8	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°	22326.0	100.0
0°-180°	22326.0	100.0

Coefficient of Utilization



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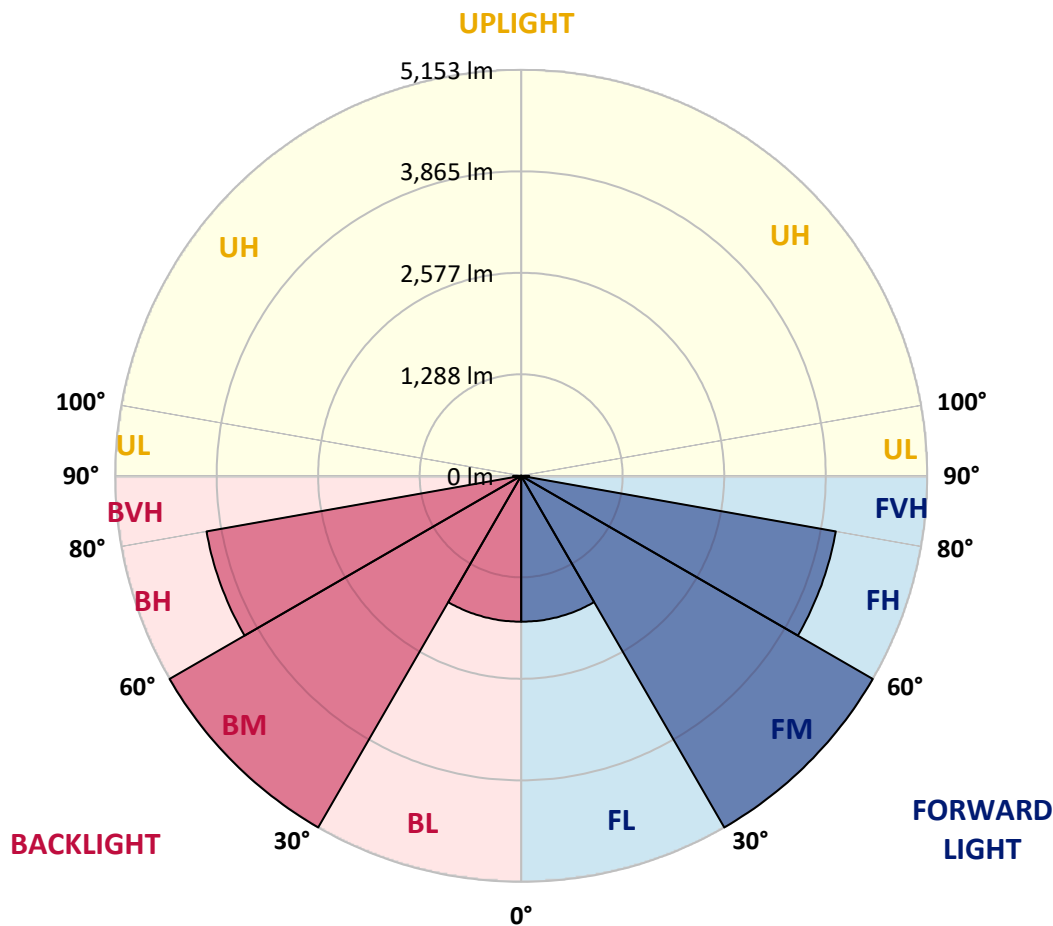
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1851.8	8.3			
FM	(30°-60°)	5153.3	23.1			
FH	(60°-80°)	4055.5	18.2			G2/5000
FVH	(80°-90°)	102.4	0.5			G2/225
BL	(0°-30°)	1851.8	8.3	B3/2500		
BM	(30°-60°)	5153.3	23.1	B4/8500		
BH	(60°-80°)	4055.5	18.2	B4/5000		G4/5000
BVH	(80°-90°)	102.4	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8	4171.8
2.5°	4175.4	4180.2	4180.2	4176.6	4184.9	4177.8	4177.8	4174.2	4177.8	4174.2	4174.2
5°	4196.8	4202.7	4205.1	4203.9	4214.6	4208.6	4208.6	4203.9	4205.1	4201.5	4201.5
7.5°	4237.1	4245.4	4250.2	4256.1	4271.5	4264.4	4259.7	4245.4	4239.5	4230.0	4230.0
10°	4250.2	4259.7	4275.1	4305.9	4341.5	4342.7	4328.5	4292.9	4265.6	4244.2	4240.7
12.5°	4209.8	4222.9	4254.9	4317.8	4397.3	4429.3	4406.8	4347.5	4294.1	4256.1	4250.2
15°	4158.8	4173.0	4221.7	4316.6	4434.1	4508.8	4506.5	4428.1	4342.7	4283.4	4273.9
17.5°	4079.3	4093.5	4163.5	4296.4	4462.5	4585.9	4619.2	4538.5	4418.6	4339.1	4326.1
20°	3935.7	3948.8	4046.1	4232.4	4472.0	4667.8	4754.4	4683.2	4533.7	4425.8	4405.6
22.5°	3749.4	3769.6	3883.5	4122.0	4449.5	4753.2	4908.7	4860.0	4667.8	4518.3	4491.0
25°	3550.1	3571.5	3704.4	3986.7	4391.4	4814.9	5091.4	5060.6	4819.7	4633.4	4595.4
27.5°	3378.1	3400.6	3545.4	3852.7	4301.2	4838.7	5271.8	5287.2	5003.6	4760.4	4720.0
30°	3242.8	3264.2	3418.4	3744.7	4184.9	4814.9	5429.6	5536.4	5191.1	4870.7	4812.6
32.5°	3094.5	3121.8	3284.3	3613.0	4047.3	4758.0	5567.2	5805.7	5408.2	4989.4	4915.8
35°	2907.0	2931.9	3102.8	3432.6	3866.9	4666.6	5682.3	6104.7	5719.1	5169.7	5087.9
37.5°	2679.2	2702.9	2872.6	3207.2	3687.7	4538.5	5770.1	6441.7	6089.3	5429.6	5320.4
40°	2450.2	2472.7	2631.7	2955.7	3473.0	4374.7	5801.0	6771.5	6514.1	5786.7	5670.4
42.5°	2240.2	2260.3	2406.3	2707.7	3232.1	4165.9	5760.6	7058.7	6894.9	6035.9	5886.4
45°	2046.8	2064.6	2193.9	2475.1	2981.8	3912.0	5639.6	7367.2	7348.2	6213.9	6012.2
47.5°	1826.1	1843.9	1977.9	2249.7	2731.4	3614.2	5434.3	7670.9	7978.2	6617.3	6384.7
50°	1556.7	1572.2	1709.8	1989.8	2471.5	3297.4	5149.6	7909.4	8773.2	7228.4	6936.5
52.5°	1237.6	1254.2	1388.2	1668.3	2163.0	2956.8	4774.6	8064.9	9691.6	8120.6	7761.1
55°	920.7	932.6	1048.9	1300.4	1781.0	2568.8	4304.7	8108.8	10733.4	9340.4	8890.7
57.5°	668.0	675.1	749.9	937.4	1350.3	2083.6	3734.0	7994.9	11973.3	10904.2	10338.3
60°	541.1	543.4	566.0	649.0	938.5	1535.4	3044.6	7603.3	13318.8	12920.2	12207.0
62.5°	491.2	491.2	497.2	519.7	634.8	1013.3	2210.5	6791.7	14761.7	15467.6	14512.5
65°	456.8	456.8	459.2	469.9	500.7	645.5	1395.4	5469.9	15977.8	18451.8	17243.9
67.5°	426.0	427.2	426.0	429.5	447.3	477.0	809.2	3777.9	16632.8	21543.9	20239.9
70°	393.9	396.3	390.4	390.4	404.6	405.8	506.6	2071.7	16089.4	24135.3	23792.4
72.5°	356.0	359.5	350.0	347.7	358.3	353.6	380.9	994.3	13813.6	24908.9	25810.6
75°	322.7	327.5	306.1	300.2	300.2	296.6	309.7	510.2	8965.4	20319.4	21733.7
77.5°	293.1	302.6	268.2	249.2	244.4	233.7	252.7	312.1	3921.5	9539.7	9341.6
80°	242.1	255.1	220.7	198.2	189.8	178.0	199.3	218.3	1166.4	2215.3	2121.5
82.5°	180.4	186.3	156.6	141.2	134.1	125.8	149.5	151.9	379.7	784.3	886.3
85°	115.1	117.5	96.1	83.1	79.5	75.9	94.9	83.1	144.8	576.7	837.7
87.5°	40.3	46.3	36.8	33.2	35.6	29.7	43.9	24.9	40.3	407.0	504.3
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)