

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: P941283

Luminaire Tested: **GALN-SB4D-730-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941283
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-SB4D-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40346 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 293.6
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



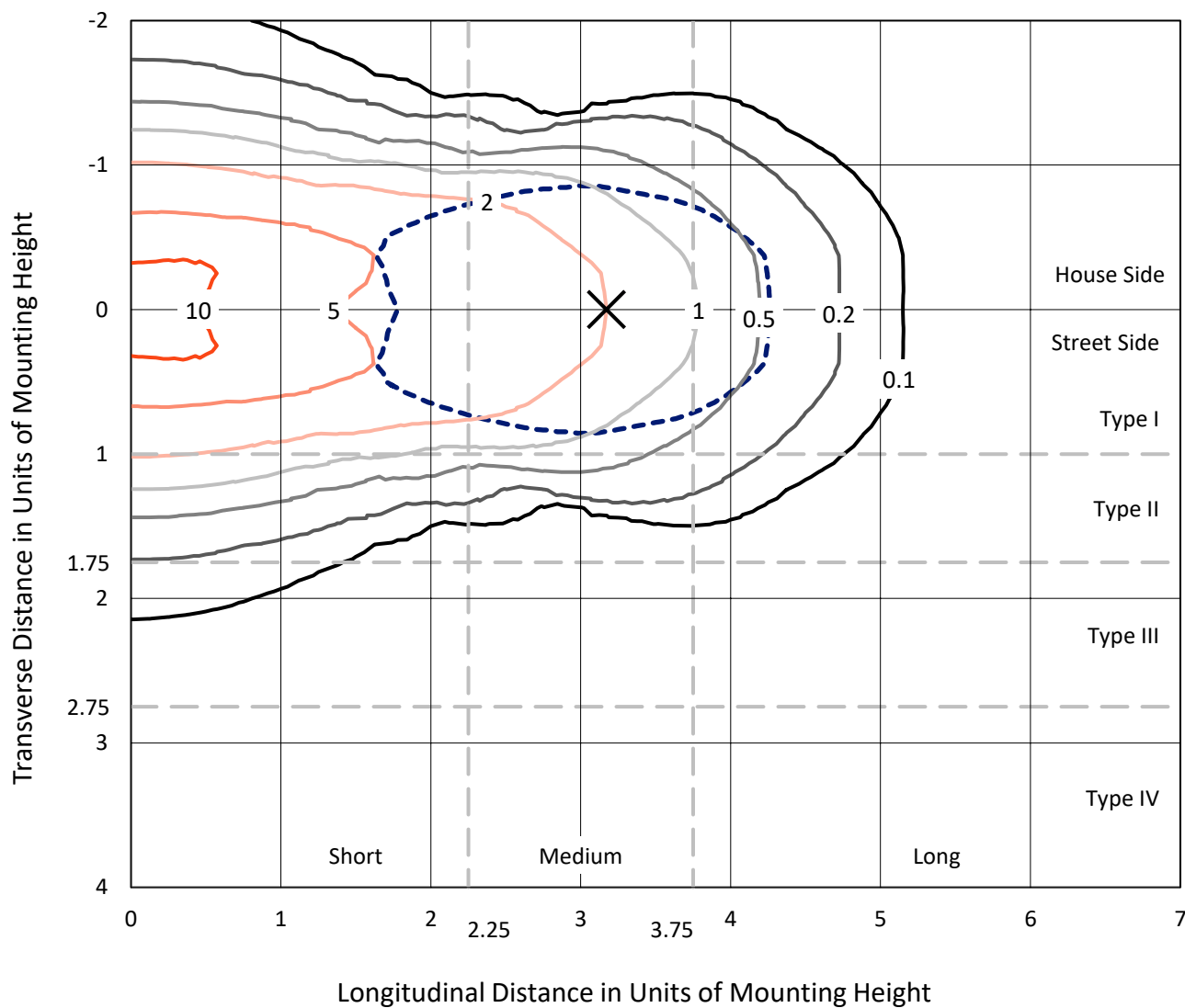
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Iso-Footcandle Lines of Horizontal Illumination

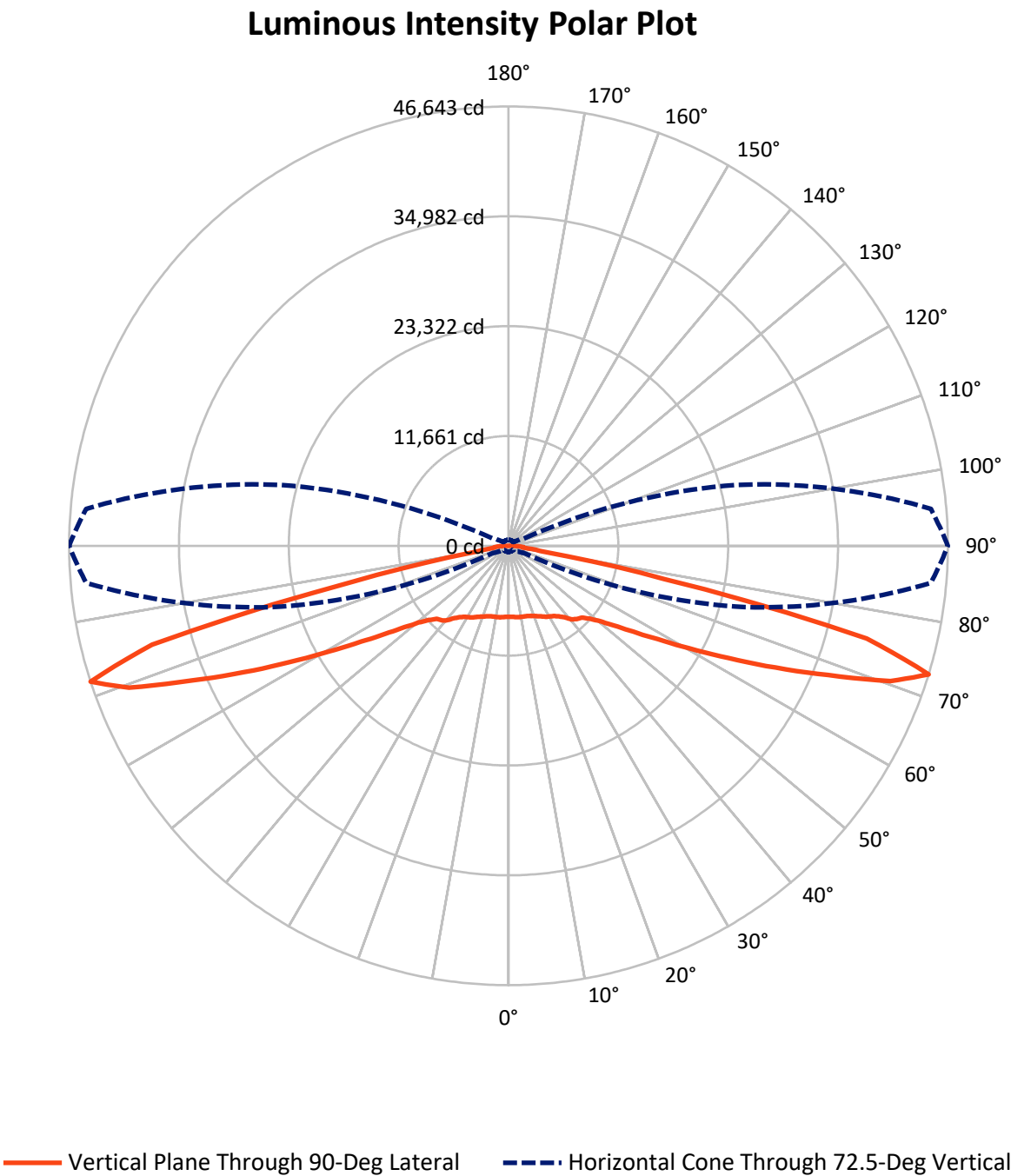
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type I - Short - N/A

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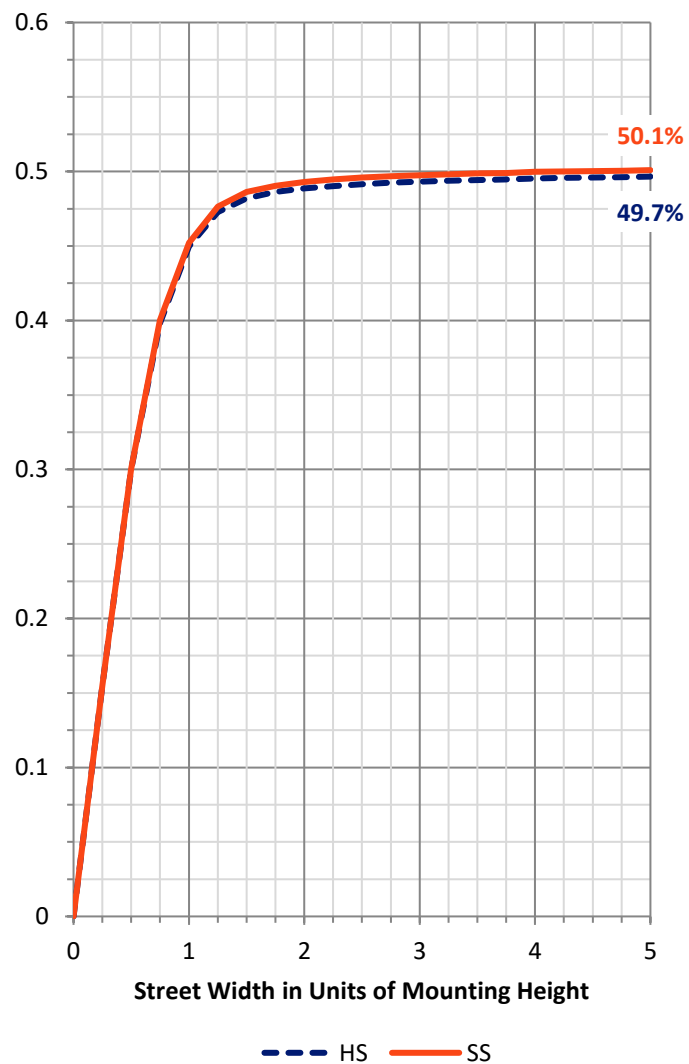
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20173.0	0.0	20173.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20173.0	0.0	20173.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	40346.0	0.0	40346.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	731.0	1.8
10°-20°	2235.1	5.5
20°-30°	3726.9	9.2
30°-40°	5125.6	12.7
40°-50°	6259.8	15.5
50°-60°	7240.1	17.9
60°-70°	8632.6	21.4
70°-80°	6025.0	14.9
80°-90°	370.1	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°	40346.0	100.0
0°-180°	40346.0	100.0

Coefficient of Utilization



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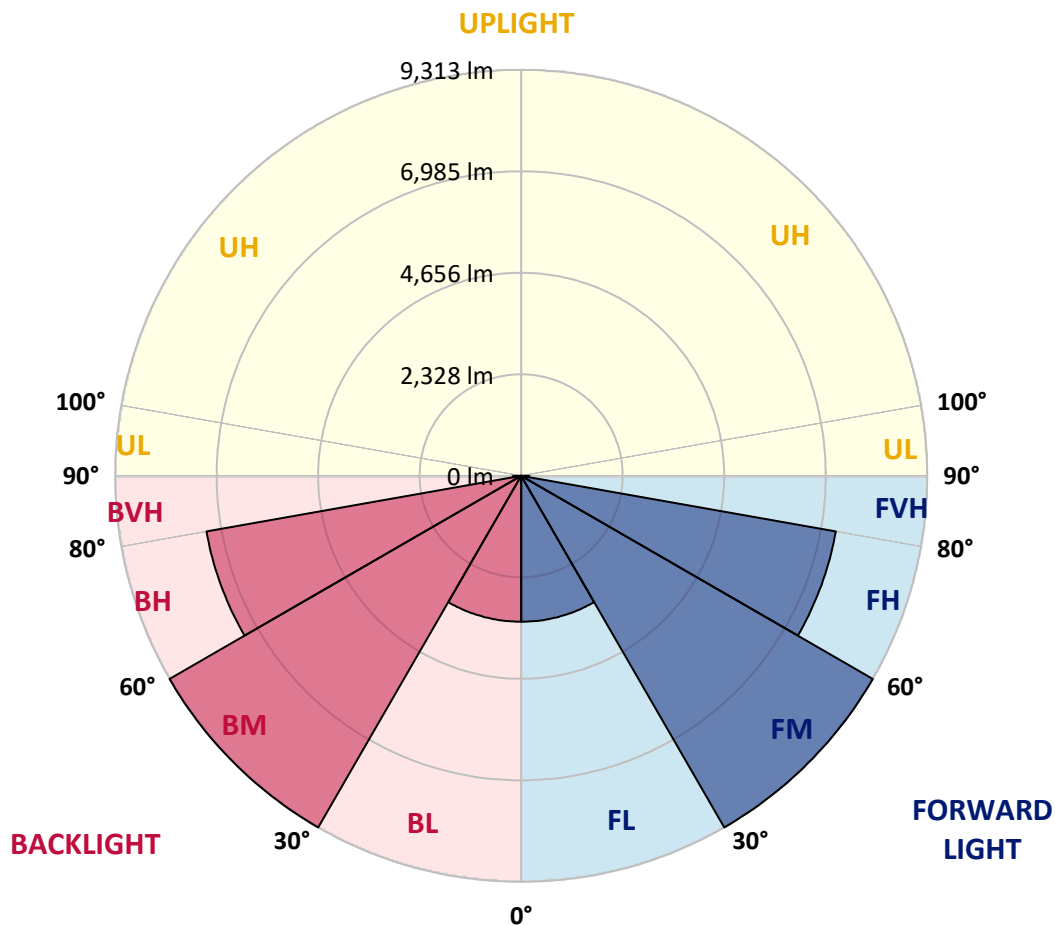
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3346.5	8.3			
FM	(30°-60°)	9312.7	23.1			
FH	(60°-80°)	7328.8	18.2			G3/7500
FVH	(80°-90°)	185.0	0.5			G2/225
BL	(0°-30°)	3346.5	8.3	B4/5000		
BM	(30°-60°)	9312.7	23.1	B5		
BH	(60°-80°)	7328.8	18.2	B5		G5
BVH	(80°-90°)	185.0	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1	7539.1
2.5°	7545.5	7554.1	7554.1	7547.7	7562.7	7549.8	7549.8	7543.4	7549.8	7543.4	7543.4
5°	7584.1	7594.8	7599.1	7597.0	7616.3	7605.5	7605.5	7597.0	7599.1	7592.7	7592.7
7.5°	7657.0	7672.0	7680.6	7691.3	7719.2	7706.3	7697.7	7672.0	7661.3	7644.1	7644.1
10°	7680.6	7697.7	7725.6	7781.4	7845.7	7847.8	7822.1	7757.8	7708.5	7669.9	7663.4
12.5°	7607.7	7631.3	7689.2	7802.8	7946.5	8004.4	7963.6	7856.4	7759.9	7691.3	7680.6
15°	7515.5	7541.2	7629.1	7800.7	8012.9	8148.0	8143.7	8002.2	7847.8	7740.6	7723.5
17.5°	7371.8	7397.6	7524.1	7764.2	8064.4	8287.4	8347.4	8201.6	7985.1	7841.4	7817.8
20°	7112.4	7136.0	7311.8	7648.4	8081.6	8435.4	8591.9	8463.2	8193.1	7997.9	7961.5
22.5°	6775.7	6812.2	7018.0	7449.0	8040.8	8589.7	8870.6	8782.7	8435.4	8165.2	8115.9
25°	6415.5	6454.1	6694.3	7204.6	7935.8	8701.2	9200.8	9145.1	8709.8	8373.2	8304.6
27.5°	6104.6	6145.3	6406.9	6962.3	7772.8	8744.1	9526.8	9554.6	9042.2	8602.6	8529.7
30°	5860.2	5898.7	6177.5	6767.2	7562.7	8701.2	9811.9	10004.9	9381.0	8802.0	8697.0
32.5°	5592.1	5641.4	5935.2	6529.1	7313.9	8598.3	10060.7	10491.7	9773.4	9016.4	8883.5
35°	5253.3	5298.4	5607.1	6203.2	6988.0	8433.2	10268.7	11032.0	10335.1	9342.4	9194.4
37.5°	4841.6	4884.5	5191.2	5795.8	6664.2	8201.6	10427.3	11641.0	11004.1	9811.9	9614.7
40°	4427.8	4468.6	4755.9	5341.3	6276.1	7905.7	10483.1	12237.1	11771.8	10457.4	10247.2
42.5°	4048.3	4084.7	4348.5	4893.1	5840.9	7528.4	10410.2	12756.0	12460.1	10907.6	10637.5
45°	3698.8	3730.9	3964.7	4472.8	5388.4	7069.5	10191.5	13313.5	13279.2	11229.3	10864.8
47.5°	3300.0	3332.1	3574.4	4065.4	4936.0	6531.3	9820.5	13862.4	14417.7	11958.3	11538.0
50°	2813.2	2841.1	3089.8	3595.9	4466.4	5958.8	9305.9	14293.4	15854.4	13062.6	12535.1
52.5°	2236.4	2266.4	2508.7	3014.8	3908.9	5343.4	8628.3	14574.3	17514.0	14675.0	14025.3
55°	1663.9	1685.4	1895.5	2350.1	3218.5	4642.2	7779.2	14653.6	19396.6	16879.3	16066.6
57.5°	1207.2	1220.1	1355.1	1693.9	2440.1	3765.2	6747.9	14447.8	21637.3	19705.4	18682.6
60°	977.8	982.1	1022.8	1172.9	1696.1	2774.6	5502.1	13740.2	24068.9	23348.4	22059.7
62.5°	887.7	887.7	898.4	939.2	1147.2	1831.2	3994.7	12273.5	26676.2	27952.0	26225.9
65°	825.5	825.5	829.8	849.1	904.9	1166.5	2521.6	9884.9	28874.1	33344.8	31161.9
67.5°	769.8	771.9	769.8	776.2	808.4	862.0	1462.4	6827.2	30057.7	38932.6	36576.1
70°	711.9	716.2	705.4	705.4	731.2	733.3	915.6	3743.8	29075.6	43615.6	42995.9
72.5°	643.3	649.7	632.5	628.3	647.6	639.0	688.3	1796.9	24963.0	45013.6	46643.2
75°	583.2	591.8	553.2	542.5	542.5	536.1	559.6	922.0	16201.7	36719.8	39275.7
77.5°	529.6	546.8	484.6	450.3	441.7	422.4	456.7	563.9	7086.6	17239.5	16881.4
80°	437.4	461.0	398.8	358.1	343.1	321.6	360.2	394.5	2107.8	4003.3	3833.9
82.5°	325.9	336.6	283.0	255.2	242.3	227.3	270.2	274.5	686.2	1417.3	1601.7
85°	208.0	212.3	173.7	150.1	143.7	137.2	171.5	150.1	261.6	1042.1	1513.8
87.5°	72.9	83.6	66.5	60.0	64.3	53.6	79.3	45.0	72.9	735.5	911.3
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)