

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: P952727

Luminaire Tested: **GALN-SB6C-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47589 lumens
Efficiency: N/A
Efficacy: 158.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

Input Watts (W): 300.9
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

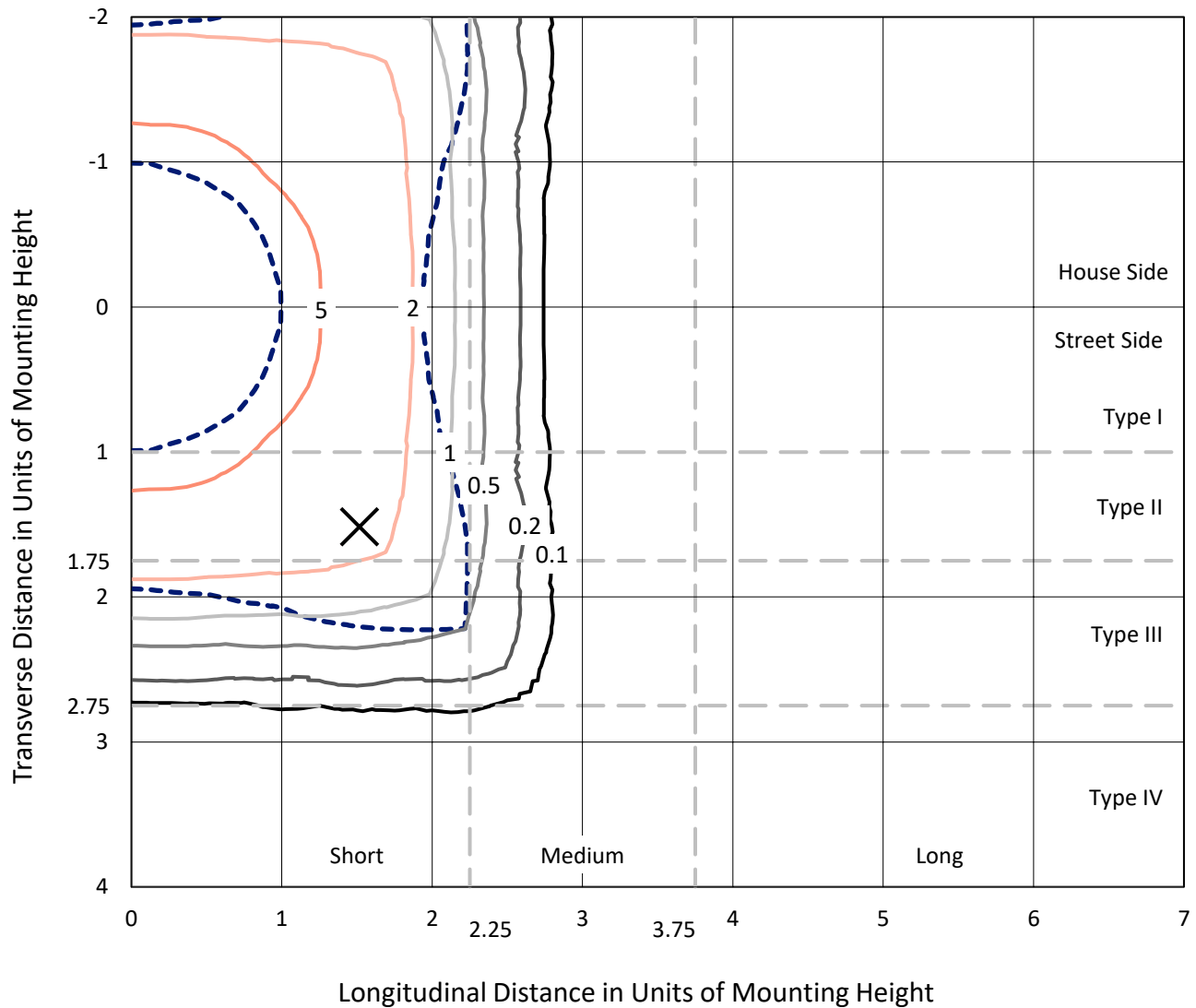


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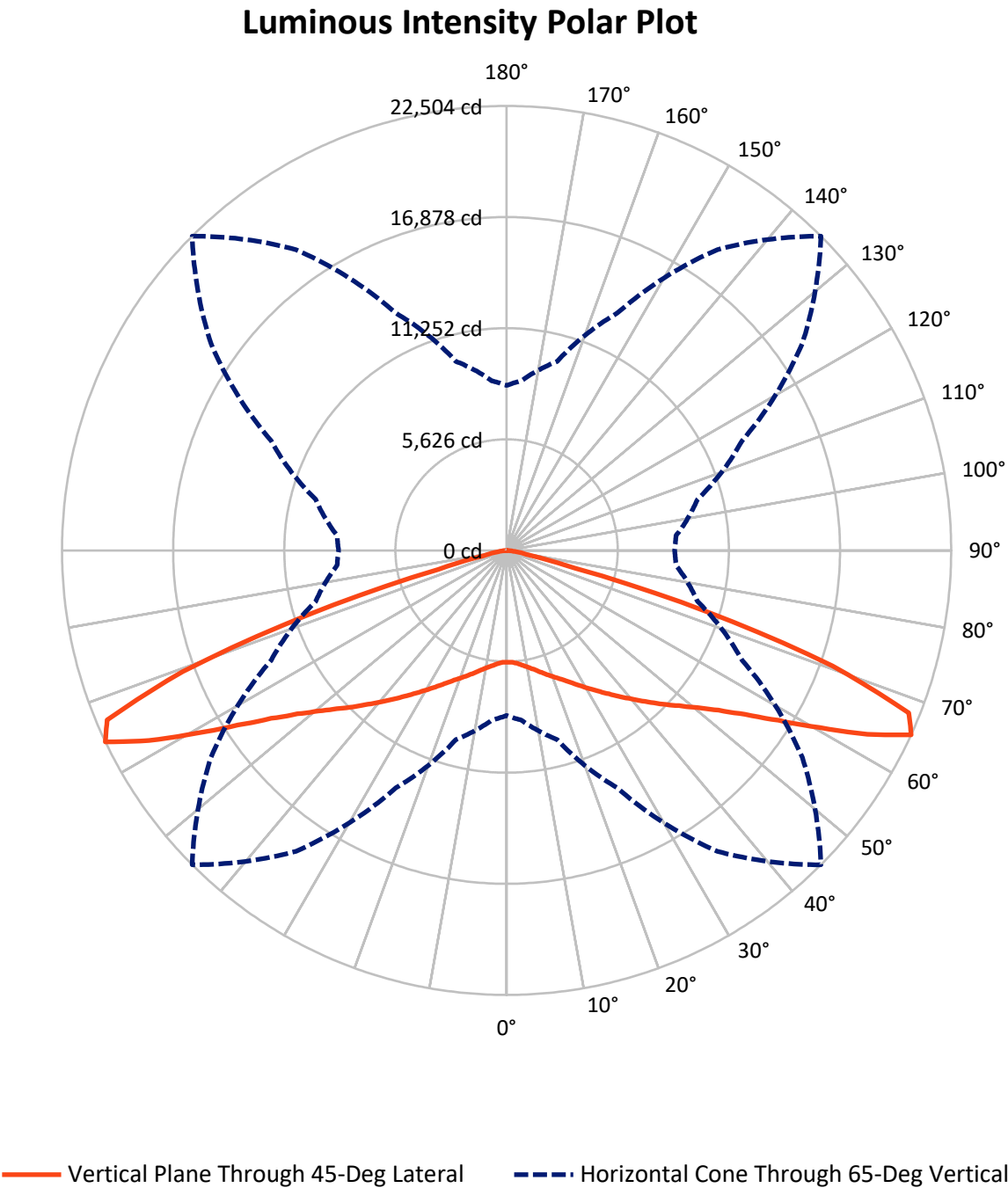
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
Type V - Short - N/A

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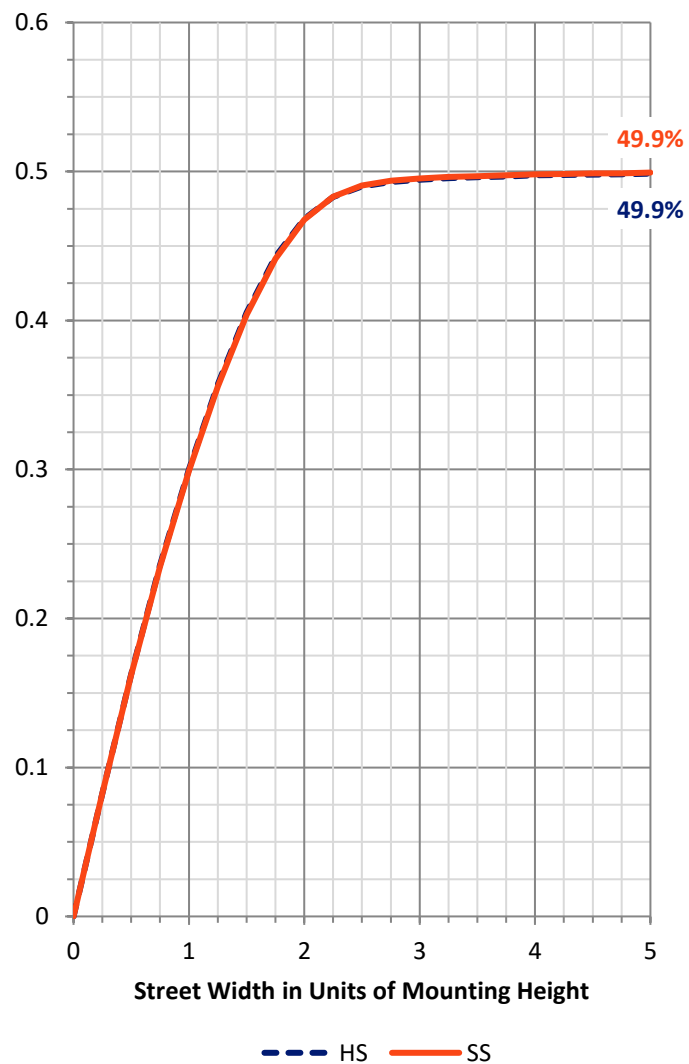
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	23794.5	0.0	23794.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	23794.5	0.0	23794.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	47589.0	0.0	47589.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.9	1.2
10°-20°	1823.9	3.8
20°-30°	3443.7	7.2
30°-40°	5638.9	11.8
40°-50°	8743.1	18.4
50°-60°	12915.4	27.1
60°-70°	12294.3	25.8
70°-80°	1983.8	4.2
80°-90°	187.0	0.4
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°	47589.0	100.0
0°-180°	47589.0	100.0

Coefficient of Utilization



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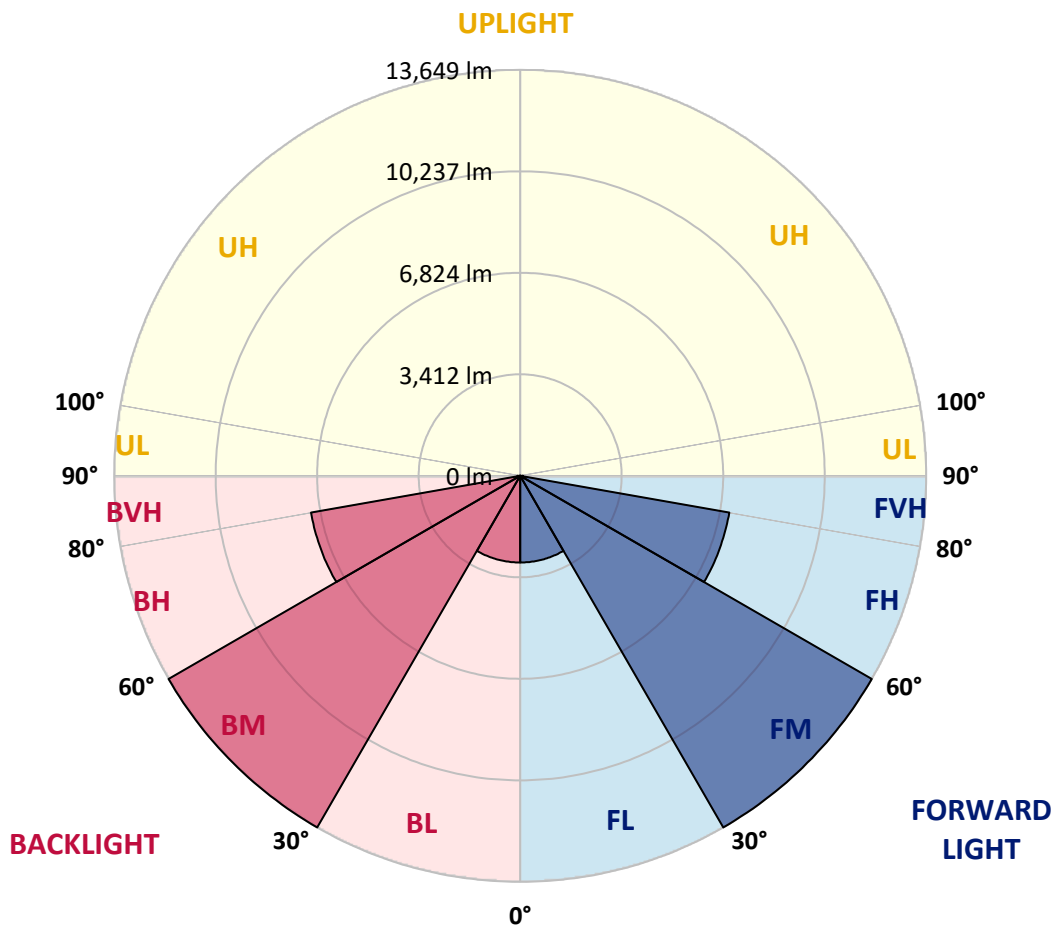
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2913.2	6.1			
FM	(30°-60°)	13648.7	28.7			
FH	(60°-80°)	7139.1	15.0			G3/7500
FVH	(80°-90°)	93.5	0.2			G1/100
BL	(0°-30°)	2913.2	6.1	B4/5000		
BM	(30°-60°)	13648.7	28.7	B5		
BH	(60°-80°)	7139.1	15.0	B5		G3/7500
BVH	(80°-90°)	93.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6	5663.6
2.5°	5701.8	5682.7	5697.0	5685.1	5675.5	5666.0	5670.7	5687.4	5694.6	5697.0	5697.0
5°	5778.2	5761.5	5768.6	5768.6	5751.9	5747.1	5749.5	5761.5	5775.8	5775.8	5775.8
7.5°	5902.3	5885.6	5902.3	5892.8	5878.5	5873.7	5871.3	5880.8	5902.3	5902.3	5895.2
10°	6052.8	6033.7	6043.2	6038.4	6021.7	6014.6	6012.2	6026.5	6045.6	6043.2	6038.4
12.5°	6217.5	6196.0	6208.0	6193.6	6188.9	6181.7	6181.7	6179.3	6191.2	6181.7	6186.5
15°	6401.4	6387.0	6391.8	6382.3	6389.4	6384.6	6365.5	6356.0	6360.8	6346.4	6348.8
17.5°	6618.6	6585.2	6601.9	6597.1	6597.1	6606.7	6575.7	6563.7	6573.3	6558.9	6570.9
20°	6869.3	6835.9	6843.1	6833.5	6821.6	6831.1	6792.9	6802.5	6809.7	6800.1	6821.6
22.5°	7143.9	7100.9	7098.6	7103.3	7077.1	7079.5	7053.2	7077.1	7091.4	7065.1	7091.4
25°	7425.7	7380.3	7411.3	7399.4	7366.0	7373.1	7354.0	7377.9	7389.9	7356.4	7394.6
27.5°	7724.1	7693.1	7721.7	7728.9	7688.3	7717.0	7688.3	7709.8	7721.7	7671.6	7709.8
30°	8072.7	8041.7	8068.0	8087.1	8039.3	8084.7	8060.8	8075.1	8077.5	8017.8	8053.6
32.5°	8452.4	8404.6	8471.5	8481.0	8428.5	8483.4	8452.4	8471.5	8483.4	8402.2	8457.1
35°	8915.6	8855.9	8932.3	8920.4	8875.0	8920.4	8891.7	8920.4	8949.0	8851.1	8910.8
37.5°	9414.6	9352.5	9433.7	9412.2	9369.2	9400.3	9383.6	9402.7	9448.0	9343.0	9407.4
40°	9963.8	9887.4	9997.2	9959.0	9918.4	9913.6	9923.2	9935.1	9994.8	9877.8	9916.0
42.5°	10551.1	10470.0	10634.7	10575.0	10517.7	10479.5	10510.5	10534.4	10591.7	10460.4	10529.7
45°	11222.1	11129.0	11343.8	11272.2	11181.5	11102.7	11152.8	11188.6	11272.2	11114.6	11195.8
47.5°	11962.3	11857.2	12086.4	12064.9	11916.9	11745.0	11859.6	11962.3	12024.3	11833.3	11897.8
50°	12685.7	12604.5	12905.4	12931.7	12750.2	12509.0	12669.0	12824.2	12840.9	12590.2	12621.3
52.5°	13363.8	13282.6	13719.6	13884.3	13722.0	13435.5	13605.0	13762.6	13636.0	13311.3	13320.8
55°	13905.8	13839.0	14395.3	14820.3	14875.2	14638.8	14739.1	14734.3	14318.9	13819.9	13836.6
57.5°	14037.1	14027.6	14729.6	15629.7	16202.8	16231.4	16033.2	15527.1	14631.7	13960.7	13917.8
60°	13440.2	13499.9	14464.5	16052.3	17580.5	18215.6	17358.4	15913.9	14275.9	13344.7	13234.9
62.5°	11654.2	11811.8	12974.6	15536.6	18693.1	20498.2	18420.9	15326.5	12814.7	11599.3	11527.7
65°	8352.1	8626.7	9911.2	13258.8	18592.8	22503.8	18268.1	13151.3	10006.7	8605.2	8502.5
67.5°	3789.2	4068.6	5159.8	9077.9	16162.2	21959.5	16124.0	9173.5	5417.6	4082.9	4023.2
70°	1372.9	1420.7	1771.7	3634.0	10329.1	17496.9	10770.8	3660.3	1883.9	1513.8	1494.7
72.5°	830.9	838.1	912.1	1301.3	3588.7	10622.8	3741.5	1344.3	931.2	826.1	840.5
75°	527.7	522.9	649.4	795.1	1272.6	3583.9	1334.7	795.1	647.1	589.8	594.5
77.5°	379.6	391.6	465.6	594.5	802.3	1215.3	787.9	568.3	465.6	382.0	389.2
80°	284.1	291.3	339.0	463.2	563.5	756.9	501.4	420.2	351.0	238.8	245.9
82.5°	205.3	205.3	222.1	336.7	343.8	408.3	272.2	296.1	231.6	169.5	169.5
85°	121.8	119.4	138.5	200.6	179.1	150.4	124.2	181.5	145.6	105.1	102.7
87.5°	43.0	45.4	43.0	57.3	47.8	40.6	38.2	50.1	40.6	35.8	33.4
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)