

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: P955586

Luminaire Tested: **GALN-SB8C-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955586
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-SB8C-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62360 lumens
Efficiency: N/A
Efficacy: 156.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

Input Watts (W): 399.8
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

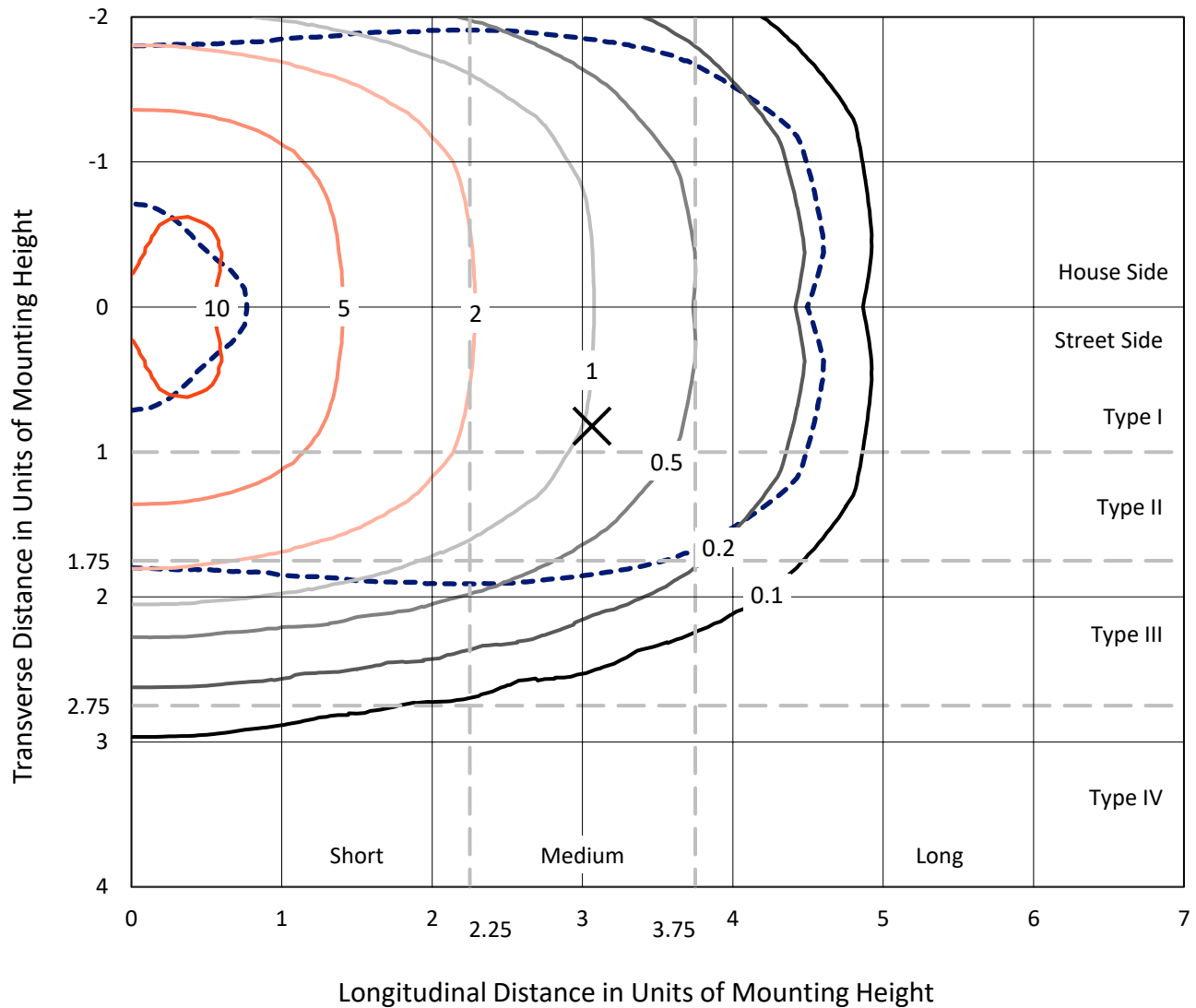


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

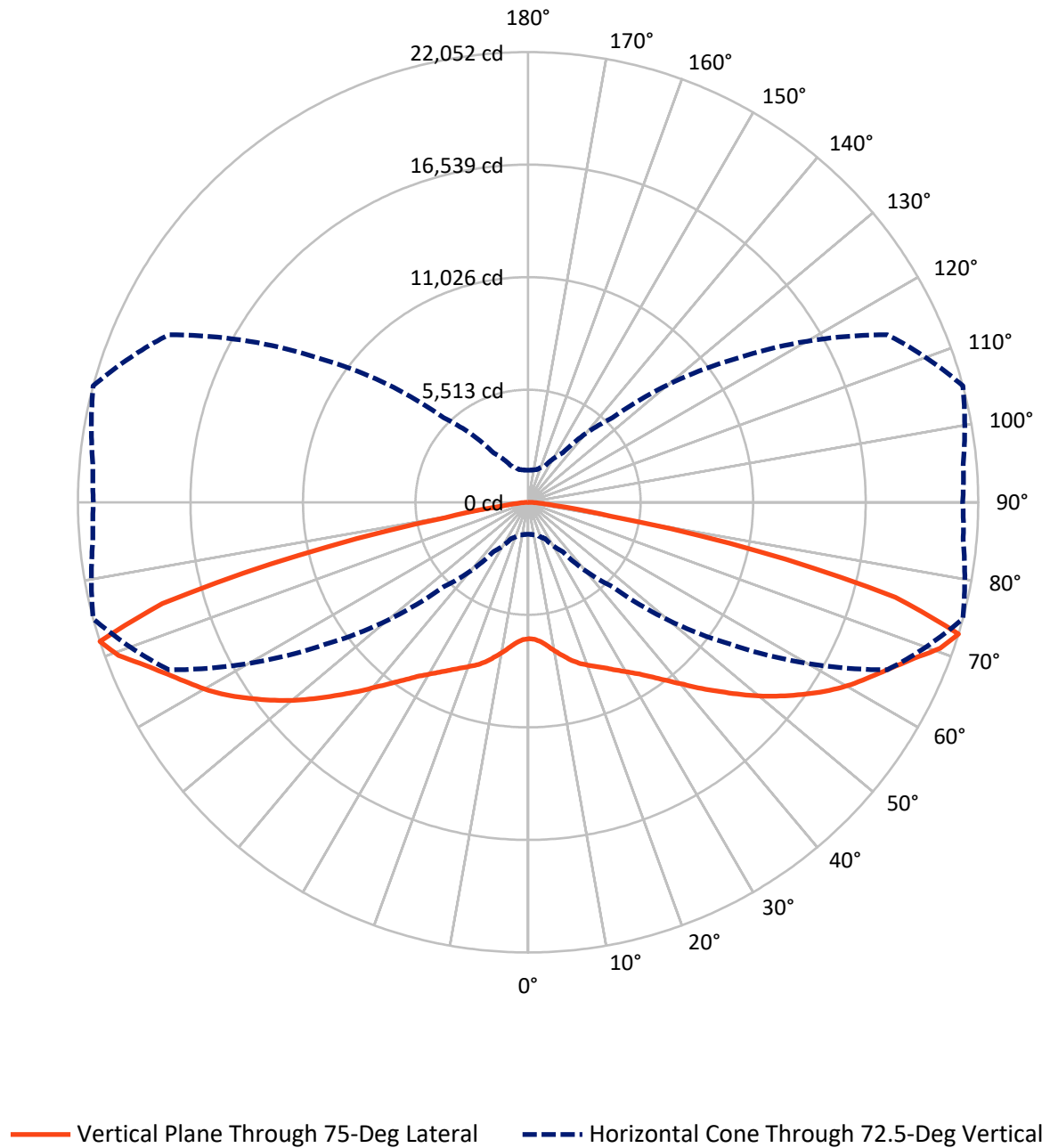


Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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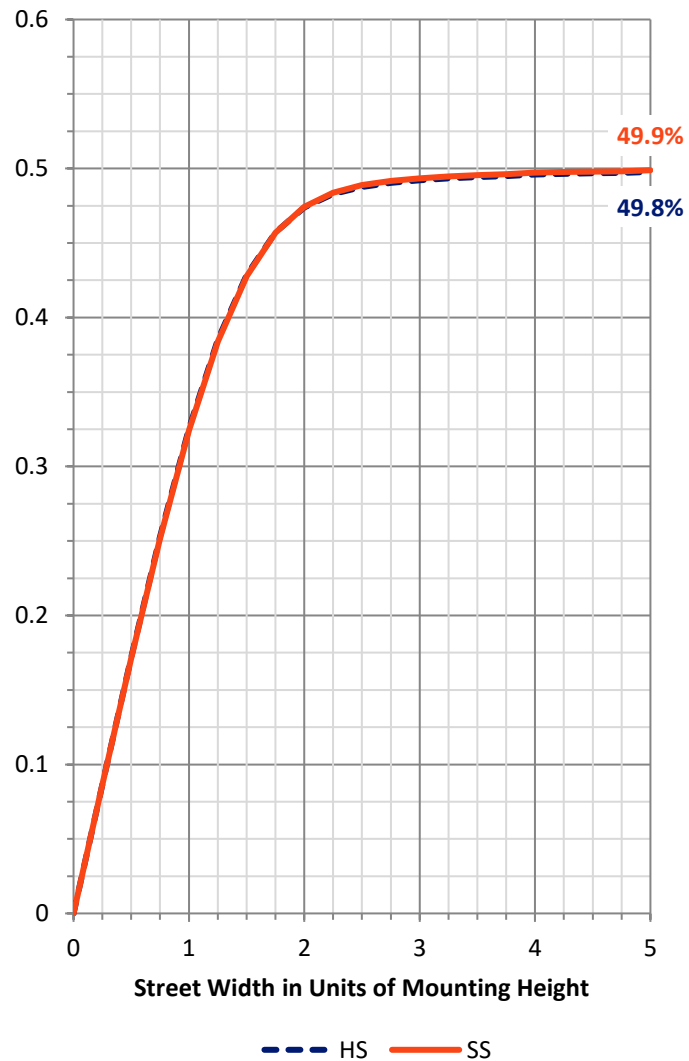
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31180.0	0.0	31180.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31180.0	0.0	31180.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	62360.0	0.0	62360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.4	1.0
10°-20°	2158.2	3.5
20°-30°	4170.2	6.7
30°-40°	7041.7	11.3
40°-50°	11167.3	17.9
50°-60°	14951.8	24.0
60°-70°	14229.3	22.8
70°-80°	7425.1	11.9
80°-90°	562.0	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°	62360.0	100.0
0°-180°	62360.0	100.0

Coefficient of Utilization



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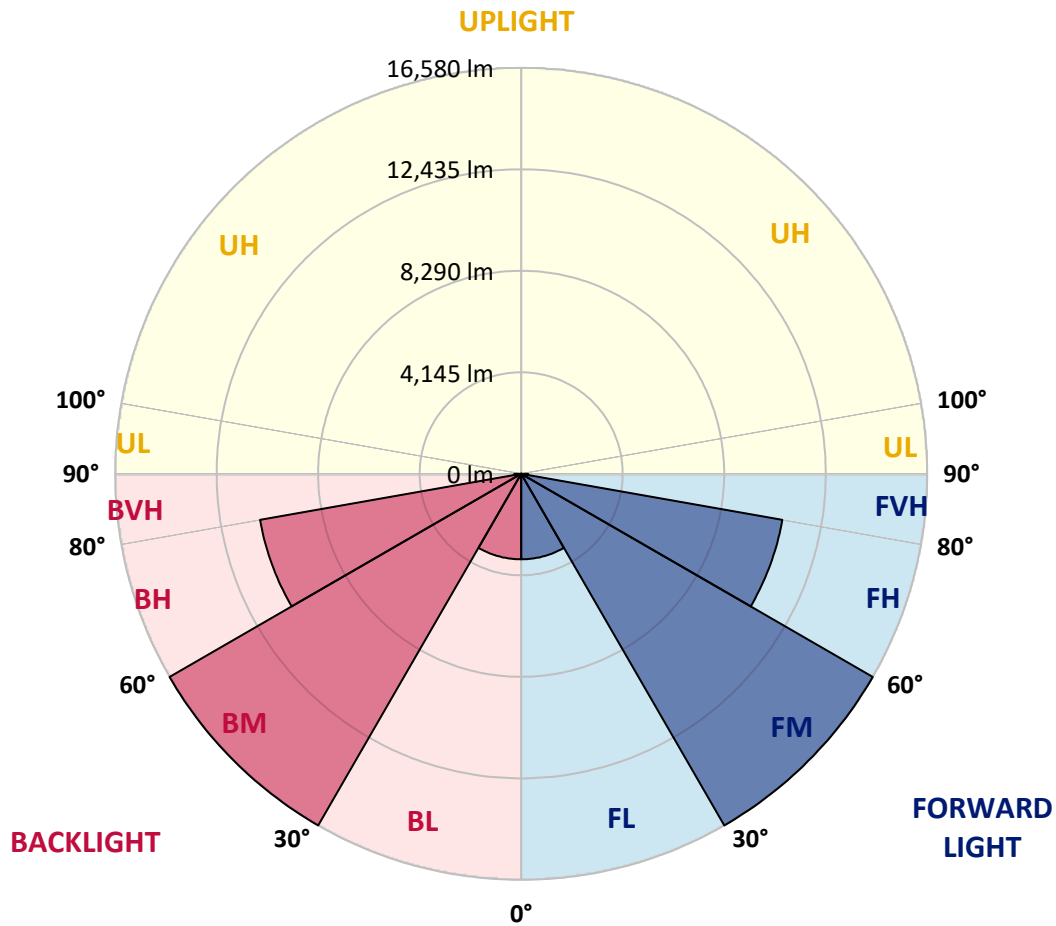
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3491.4	5.6			
FM	(30°-60°)	16580.4	26.6			
FH	(60°-80°)	10827.2	17.4			G4/12000
FVH	(80°-90°)	281.0	0.5			G3/500
BL	(0°-30°)	3491.4	5.6	B4/5000		
BM	(30°-60°)	16580.4	26.6	B5		
BH	(60°-80°)	10827.2	17.4	B5		G5
BVH	(80°-90°)	281.0	0.5			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9	6679.9
2.5°	6679.9	6673.5	6679.9	6686.2	6683.1	6683.1	6699.0	6708.5	6727.6	6724.4	6721.3
5°	6635.3	6632.1	6657.6	6686.2	6708.5	6746.7	6794.5	6829.5	6874.1	6883.6	6883.6
7.5°	6613.0	6603.5	6648.0	6699.0	6769.0	6864.5	6956.9	7052.4	7128.8	7154.3	7160.6
10°	6628.9	6632.1	6692.6	6788.1	6899.6	7033.3	7163.8	7326.2	7434.5	7459.9	7485.4
12.5°	6702.2	6695.8	6797.7	6950.5	7103.3	7272.1	7424.9	7603.2	7721.0	7781.5	7807.0
15°	6835.9	6823.1	6966.4	7192.5	7415.4	7612.8	7736.9	7905.7	8042.6	8119.0	8147.7
17.5°	6995.1	7001.4	7189.3	7482.2	7775.1	7998.0	8115.8	8201.8	8306.9	8373.7	8405.6
20°	7275.3	7288.0	7498.1	7845.2	8179.5	8434.2	8529.7	8497.9	8526.5	8577.5	8615.7
22.5°	7651.0	7657.3	7892.9	8268.7	8618.9	8899.1	8962.7	8832.2	8752.6	8787.6	8813.1
25°	8087.2	8128.6	8364.2	8749.4	9109.2	9376.7	9405.3	9207.9	9010.5	9020.1	9036.0
27.5°	8618.9	8657.1	8895.9	9278.0	9644.1	9876.5	9873.3	9609.1	9319.3	9246.1	9268.4
30°	9195.2	9236.6	9481.7	9876.5	10217.2	10421.0	10376.4	10061.2	9647.3	9510.4	9526.3
32.5°	9879.7	9905.2	10153.5	10548.3	10863.5	11025.9	10933.6	10545.2	10029.4	9873.3	9911.6
35°	10707.5	10745.7	10930.4	11302.9	11579.9	11713.7	11557.6	11099.2	10519.7	10344.6	10370.0
37.5°	11653.2	11627.7	11837.8	12169.0	12398.2	12481.0	12267.7	11723.2	11080.1	10873.1	10911.3
40°	12640.2	12627.4	12856.7	13175.1	13299.3	13350.2	13035.0	12439.6	11726.4	11503.5	11576.7
42.5°	13534.9	13525.3	13834.1	14187.6	14337.2	14279.9	13881.9	13200.5	12474.6	12219.9	12283.6
45°	14251.2	14238.5	14617.4	15114.1	15407.0	15311.5	14776.6	14041.1	13232.4	12968.1	13028.6
47.5°	14802.1	14808.4	15216.0	15830.5	16343.1	16378.1	15690.4	14897.6	14066.6	13767.3	13856.4
50°	15200.1	15219.2	15655.4	16336.7	17037.2	17346.0	16623.3	15776.3	14929.4	14591.9	14693.8
52.5°	15298.8	15333.8	15859.1	16658.3	17482.9	18072.0	17572.1	16620.1	15747.7	15426.1	15508.9
55°	14773.4	14843.5	15508.9	16632.8	17756.7	18549.5	18406.3	17476.6	16572.3	16241.2	16333.5
57.5°	13566.7	13665.4	14442.3	15910.1	17696.2	18877.5	19052.6	18298.0	17397.0	17078.6	17151.8
60°	11876.0	11993.8	12738.9	14340.4	16843.0	18998.5	19507.9	19097.2	18154.7	17845.9	17912.8
62.5°	9325.7	9478.5	10370.0	12248.6	15040.9	18434.9	19896.3	19819.9	18836.1	18450.8	18495.4
65°	5982.6	6145.0	7084.2	9303.4	12637.0	16709.2	20017.3	20523.6	19555.7	19017.6	19084.4
67.5°	3607.4	3680.6	4145.5	5638.7	9236.6	14108.0	18992.1	21303.6	20396.2	19727.6	19778.5
70°	2308.3	2349.7	2626.7	3311.3	5221.6	10293.6	16451.3	21450.1	21415.1	20456.7	20450.3
72.5°	1566.5	1579.2	1652.5	1961.3	2954.7	5848.9	12133.9	19418.8	22051.9	21396.0	21294.1
75°	1146.2	1216.3	1334.1	1388.2	1677.9	2922.8	6953.7	13643.1	18584.6	18871.1	18177.0
77.5°	853.3	856.5	1018.9	1082.5	1197.2	1556.9	2941.9	7615.9	11538.5	12114.8	10806.2
80°	722.8	684.5	681.4	872.4	901.1	971.1	1315.0	2629.9	4132.7	2505.7	1894.4
82.5°	601.8	560.4	506.2	681.4	614.5	595.4	569.9	1069.8	1315.0	646.3	550.8
85°	420.3	401.2	382.1	445.7	350.2	299.3	273.8	499.9	554.0	273.8	242.0
87.5°	181.5	187.9	191.0	197.4	146.5	105.1	105.1	140.1	140.1	108.3	79.6
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)