

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: P955708

Luminaire Tested: **GALN-SB8C-830-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56986 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

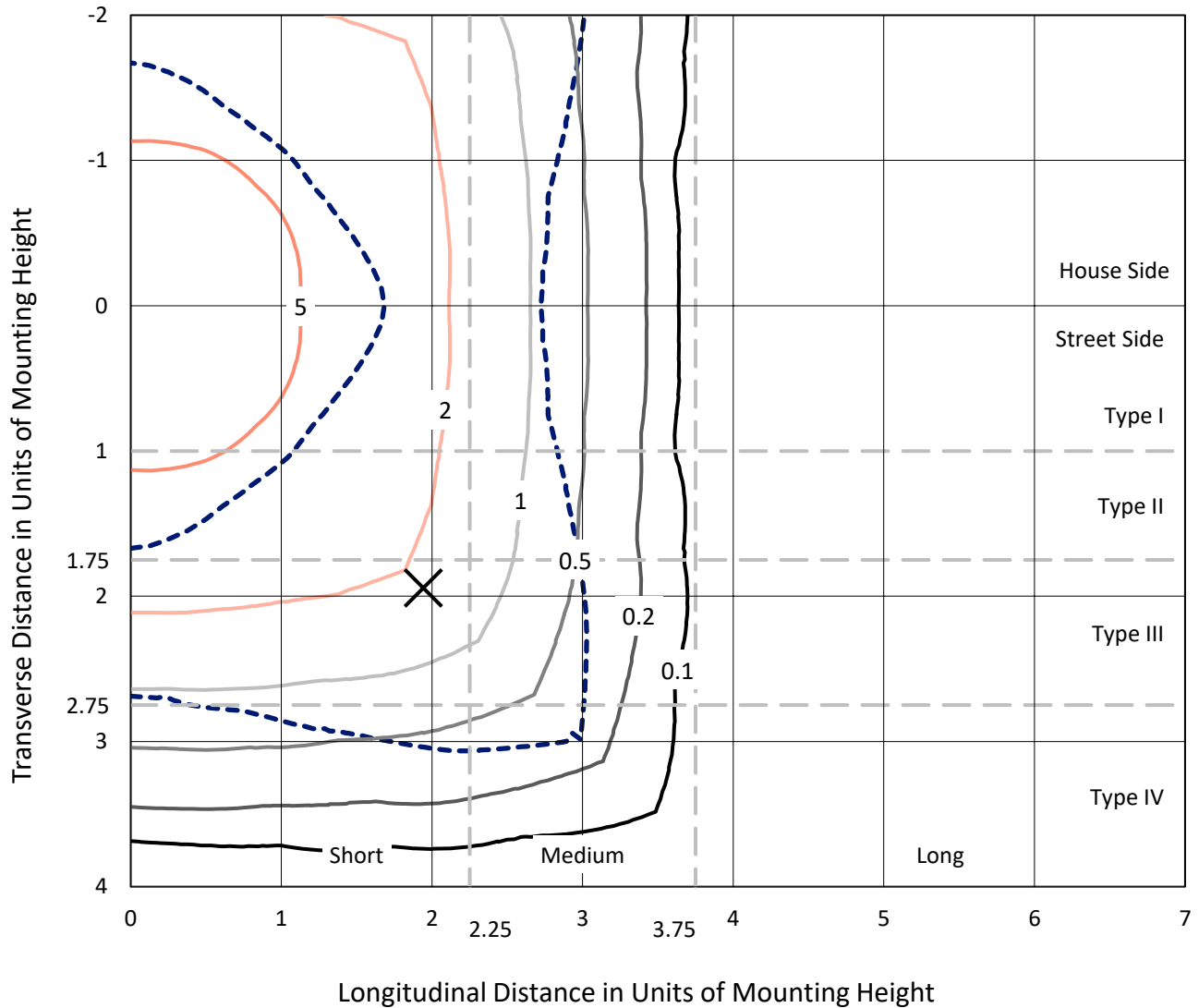
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

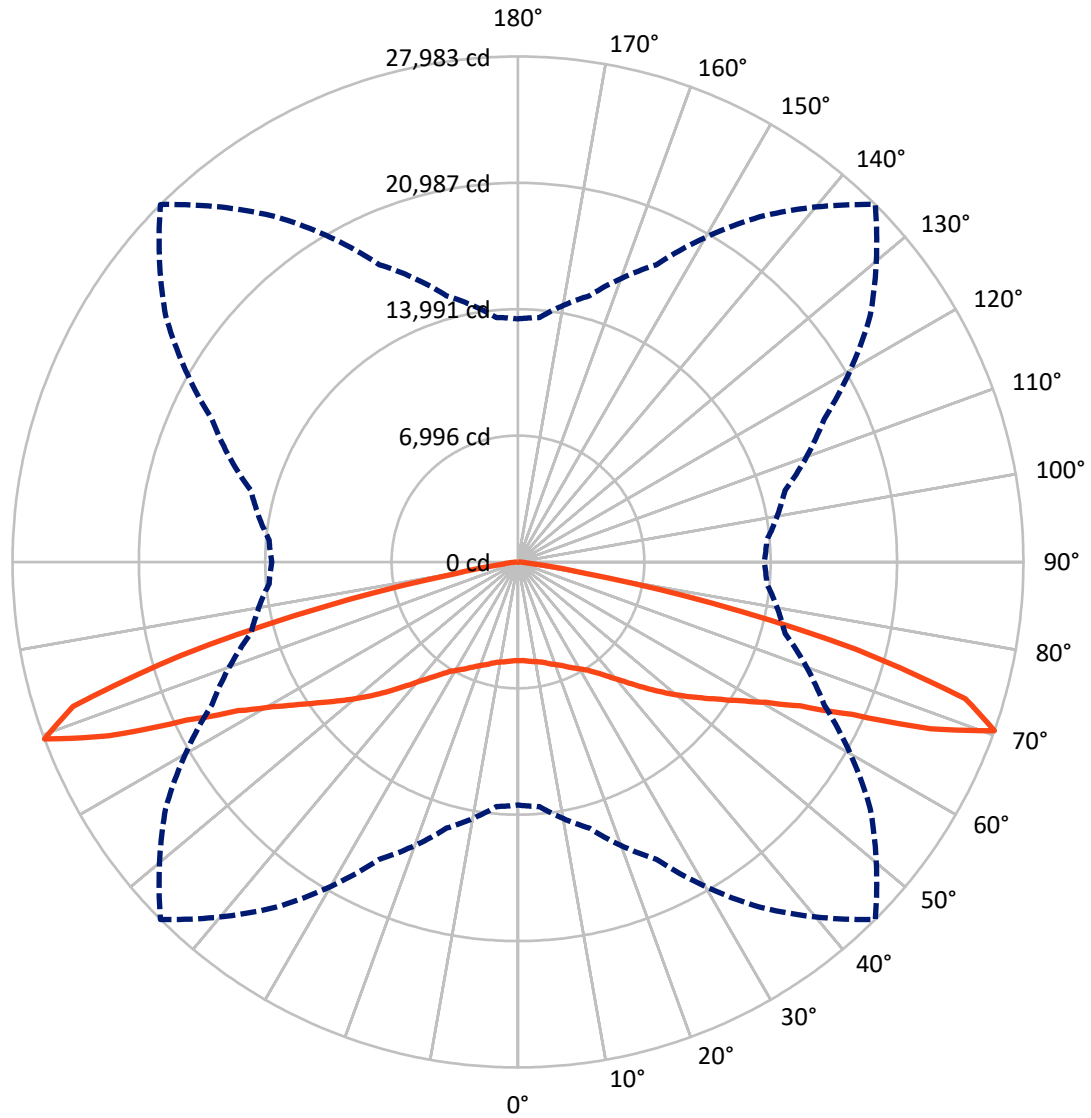
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	28493.0	0.0	28493.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28493.0	0.0	28493.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	56986.0	0.0	56986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	530.3	0.9
10°-20°	1644.4	2.9
20°-30°	2938.8	5.2
30°-40°	4763.7	8.4
40°-50°	7759.4	13.6
50°-60°	11830.4	20.8
60°-70°	17599.9	30.9
70°-80°	9592.5	16.8
80°-90°	326.7	0.6
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°	56986.0	100.0
0°-180°	56986.0	100.0

Coefficient of Utilization



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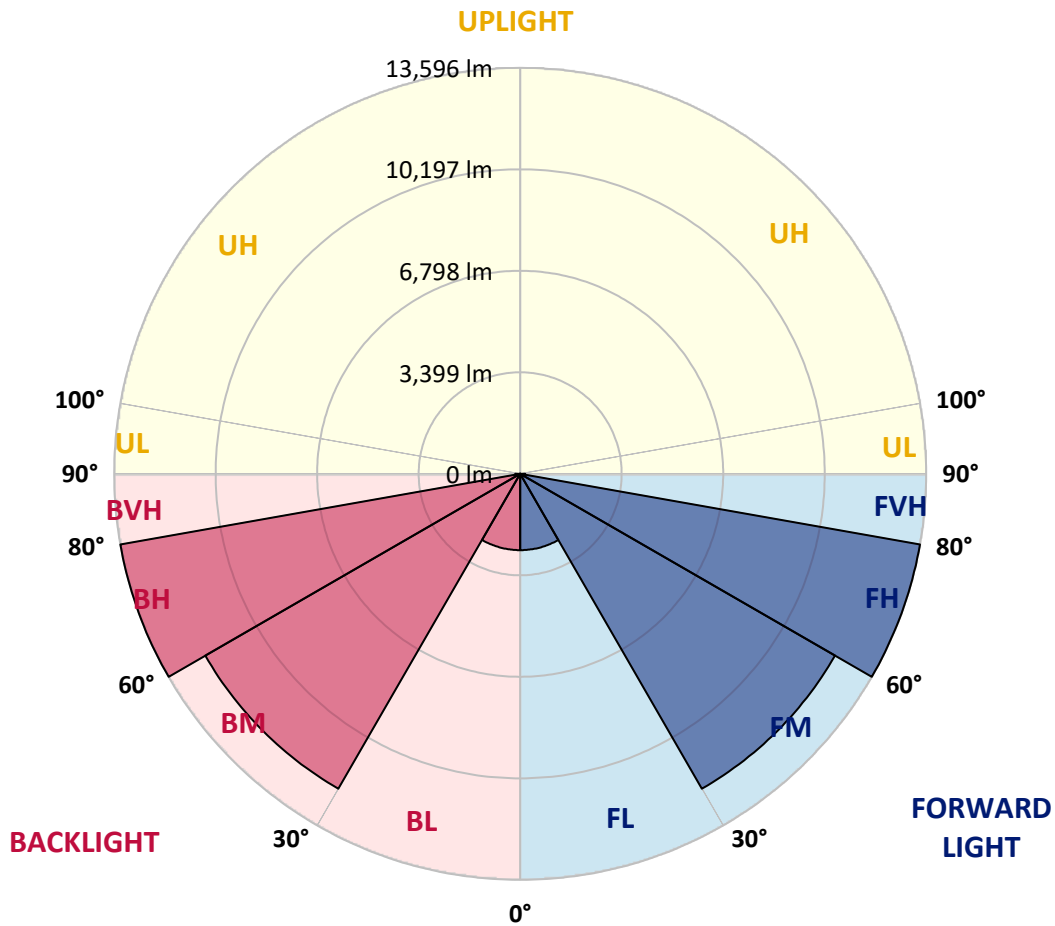
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2556.8	4.5			
FM (30°-60°)	12176.7	21.4			
FH (60°-80°)	13596.2	23.9			G5
FVH (80°-90°)	163.3	0.3			G2/225
BL (0°-30°)	2556.8	4.5	B4/5000		
BM (30°-60°)	12176.7	21.4	B5		
BH (60°-80°)	13596.2	23.9	B5		G5
BVH (80°-90°)	163.3	0.3			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 V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	5458.7	5458.7	5458.7	5458.7	5458.7	5458.7	5458.7	5458.7	5458.7	5458.7
2.5°	5484.4	5490.1	5478.7	5473.0	5467.3	5458.7	5461.5	5475.8	5487.3	5484.4
5°	5530.2	5535.9	5527.3	5524.5	5513.0	5510.2	5510.2	5524.5	5533.1	5527.3
7.5°	5581.7	5590.3	5576.0	5573.1	5567.4	5561.7	5558.8	5573.1	5581.7	5581.7
10°	5630.3	5638.9	5627.5	5618.9	5613.2	5613.2	5607.4	5618.9	5633.2	5630.3
12.5°	5681.8	5687.5	5676.1	5670.4	5670.4	5679.0	5670.4	5676.1	5687.5	5681.8
15°	5744.8	5747.6	5744.8	5753.3	5767.7	5796.3	5770.5	5764.8	5770.5	5756.2
17.5°	5830.6	5836.3	5847.8	5867.8	5887.8	5939.3	5893.5	5879.2	5879.2	5850.6
20°	5936.4	5945.0	5962.2	5996.5	6022.3	6070.9	6025.1	6005.1	5996.5	5959.3
22.5°	6048.0	6062.3	6088.1	6133.9	6179.6	6225.4	6179.6	6145.3	6119.5	6070.9
25°	6176.8	6193.9	6234.0	6308.4	6371.3	6437.1	6382.8	6314.1	6262.6	6193.9
27.5°	6359.9	6379.9	6428.5	6520.1	6600.2	6657.4	6605.9	6517.2	6445.7	6362.7
30°	6617.3	6637.4	6694.6	6791.9	6846.2	6883.4	6849.1	6780.4	6694.6	6600.2
32.5°	6949.2	6975.0	7037.9	7129.5	7140.9	7146.6	7135.2	7100.8	7037.9	6923.5
35°	7369.8	7398.4	7469.9	7544.3	7532.8	7544.3	7527.1	7515.7	7469.9	7338.3
37.5°	7884.7	7919.1	7993.5	8050.7	8022.1	8007.8	8010.6	8013.5	7987.7	7841.8
40°	8482.7	8528.5	8582.8	8642.9	8594.3	8551.3	8580.0	8602.8	8580.0	8431.2
42.5°	9097.8	9163.6	9220.8	9306.6	9266.6	9212.2	9252.3	9278.0	9229.4	9069.2
45°	9781.5	9844.5	9918.9	10047.6	10019.0	9961.8	10019.0	10024.7	9941.8	9752.9
47.5°	10488.2	10554.0	10665.6	10837.2	10825.8	10762.8	10837.2	10797.2	10691.3	10465.3
50°	11157.7	11249.2	11420.9	11661.2	11684.1	11606.8	11707.0	11629.7	11452.3	11169.1
52.5°	11787.1	11884.3	12156.1	12482.3	12565.2	12465.1	12599.6	12465.1	12199.0	11835.7
55°	12447.9	12556.7	12879.9	13306.2	13472.2	13397.8	13523.7	13320.5	12942.9	12502.3
57.5°	13226.1	13291.9	13678.1	14184.5	14464.9	14482.1	14539.3	14196.0	13738.2	13237.6
60°	14070.1	14161.6	14582.2	15188.7	15632.2	15775.2	15715.1	15205.9	14673.7	14098.7
62.5°	15151.5	15251.7	15755.2	16481.9	17182.8	17537.5	17303.0	16564.8	15906.8	15217.3
65°	16047.0	16158.6	17068.4	18364.4	19640.3	20352.7	19763.4	18404.4	17220.0	16247.3
67.5°	15397.6	15534.9	16962.5	19342.8	22515.6	24641.3	22624.3	19634.6	17314.4	15995.5
70°	13457.9	13586.6	15251.7	18161.2	23325.2	27982.8	23811.6	18696.2	15306.0	13829.8
72.5°	8934.7	9349.5	11034.6	14525.0	20827.6	25894.3	21033.6	14230.3	10236.4	8914.7
75°	2963.9	3295.8	4445.9	7530.0	13949.9	19365.7	13280.5	6663.1	3521.8	2534.8
77.5°	746.7	861.1	1187.3	2154.3	5564.5	11026.1	5009.5	1759.5	958.4	669.5
80°	363.3	400.5	572.2	718.1	1393.3	3504.6	1307.4	675.2	452.0	349.0
82.5°	200.3	203.1	323.3	406.3	517.8	906.9	537.9	394.8	260.3	211.7
85°	123.0	120.2	171.7	217.4	217.4	323.3	257.5	217.4	148.8	131.6
87.5°	48.6	48.6	62.9	68.7	60.1	83.0	65.8	71.5	57.2	54.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5458.7
5487.3
5530.2
5581.7
5630.3
5679.0
5756.2
5850.6
5959.3
6068.0
6191.1
6359.9
6600.2
6926.3
7338.3
7841.8
8431.2
9080.6
9773.0
10451.0
11163.4
11801.4
12442.2
13168.9
14007.2
15097.2
16087.1
15798.1
13632.4
8625.7
2397.5
597.9
320.4
211.7
137.3
57.2
0.0

OF REPORT)