

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: P956695

Luminaire Tested: **GALN-SB9B-740-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956695
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-SB9B-740-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56827 lumens
Efficiency: N/A
Efficacy: 172.5 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

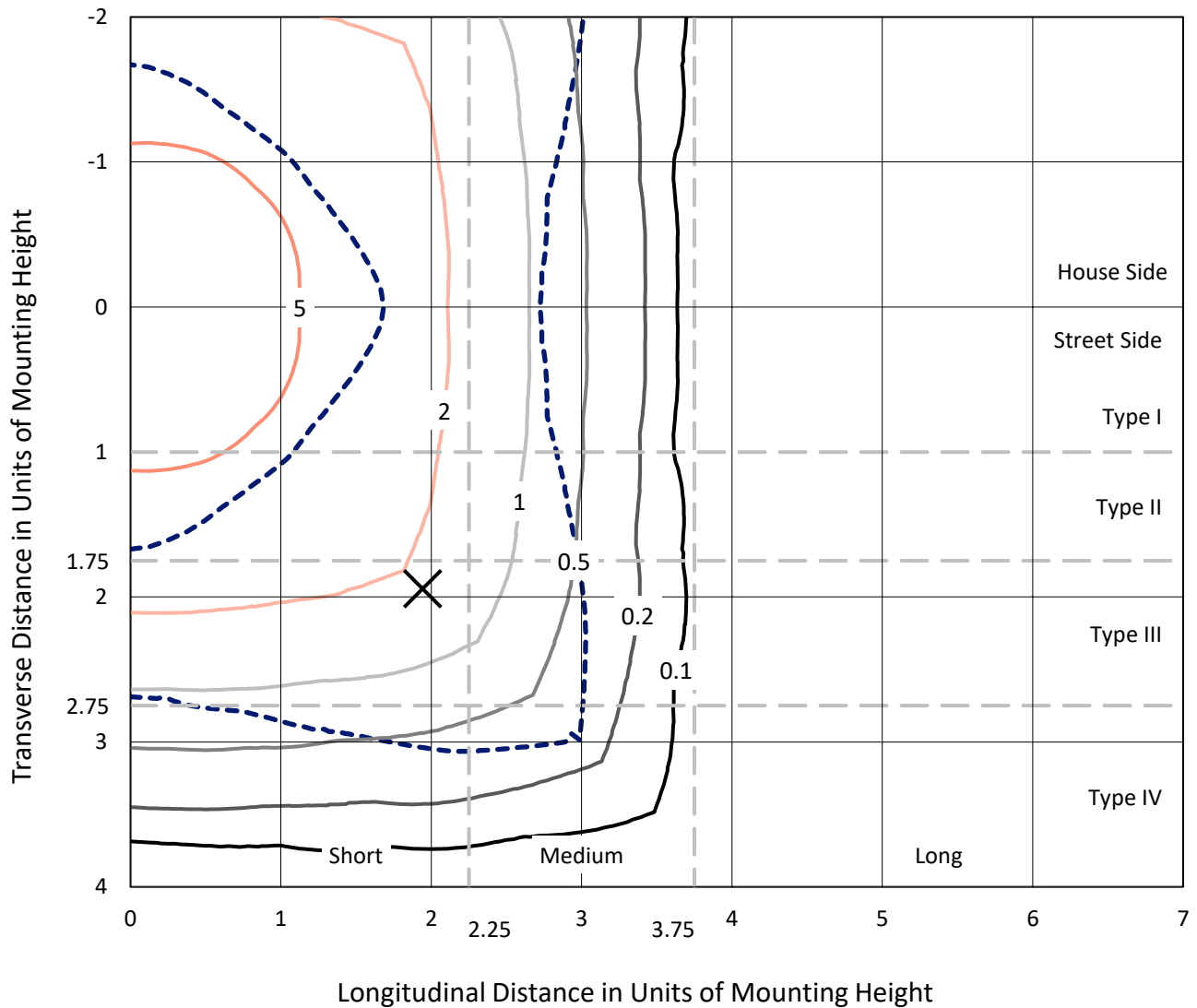
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956695
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Iso-Footcandle Lines of Horizontal Illumination

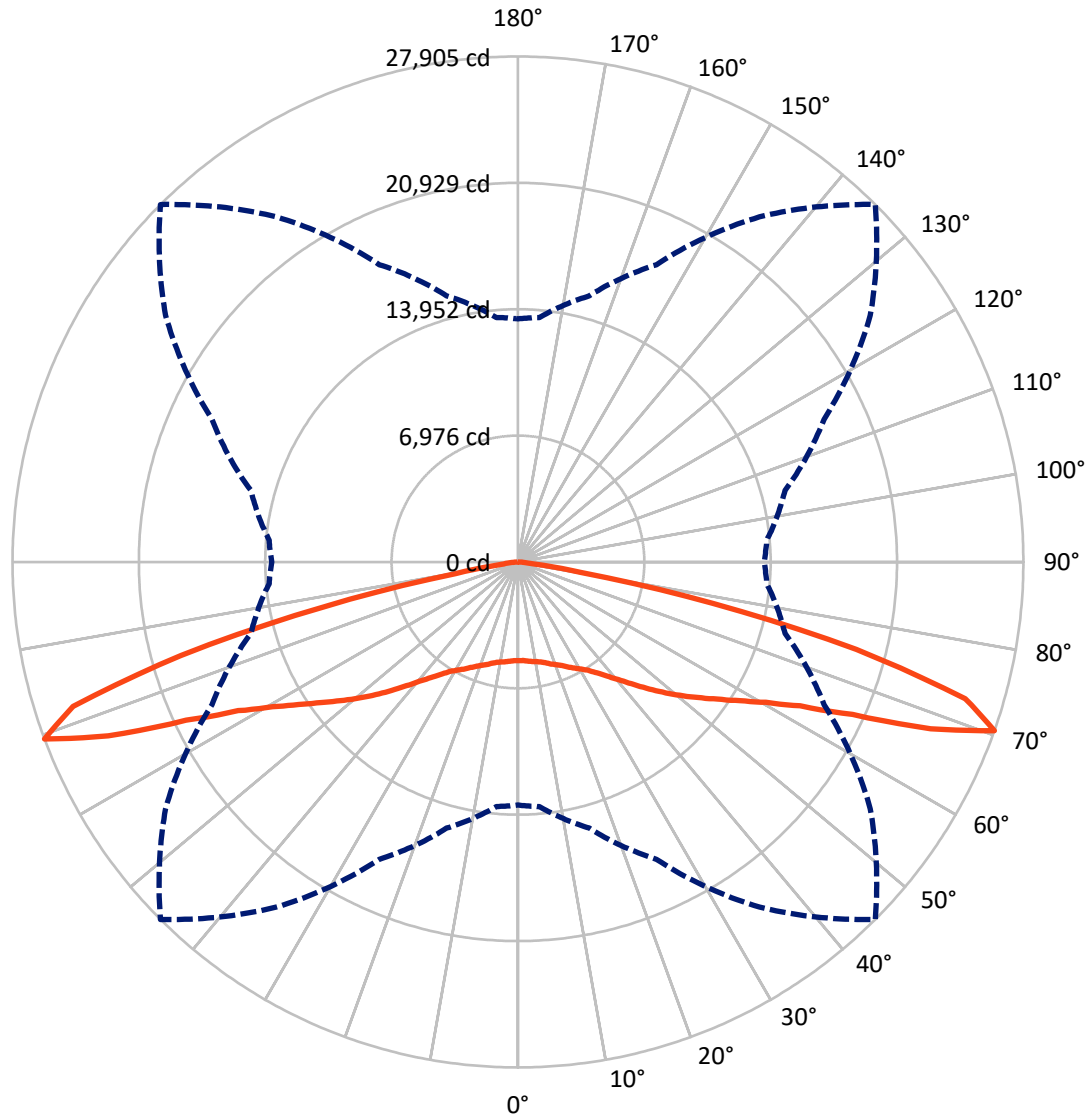
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P956695
CATALOG NUMBER: GALN-SB9B-740-U-5MQ

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	28413.5	0.0	28413.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	28413.5	0.0	28413.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	56827.0	0.0	56827.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.8	0.9
10°-20°	1639.8	2.9
20°-30°	2930.6	5.2
30°-40°	4750.5	8.4
40°-50°	7737.7	13.6
50°-60°	11797.4	20.8
60°-70°	17550.7	30.9
70°-80°	9565.7	16.8
80°-90°	325.7	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°	56827.0	100.0
0°-180°	56827.0	100.0



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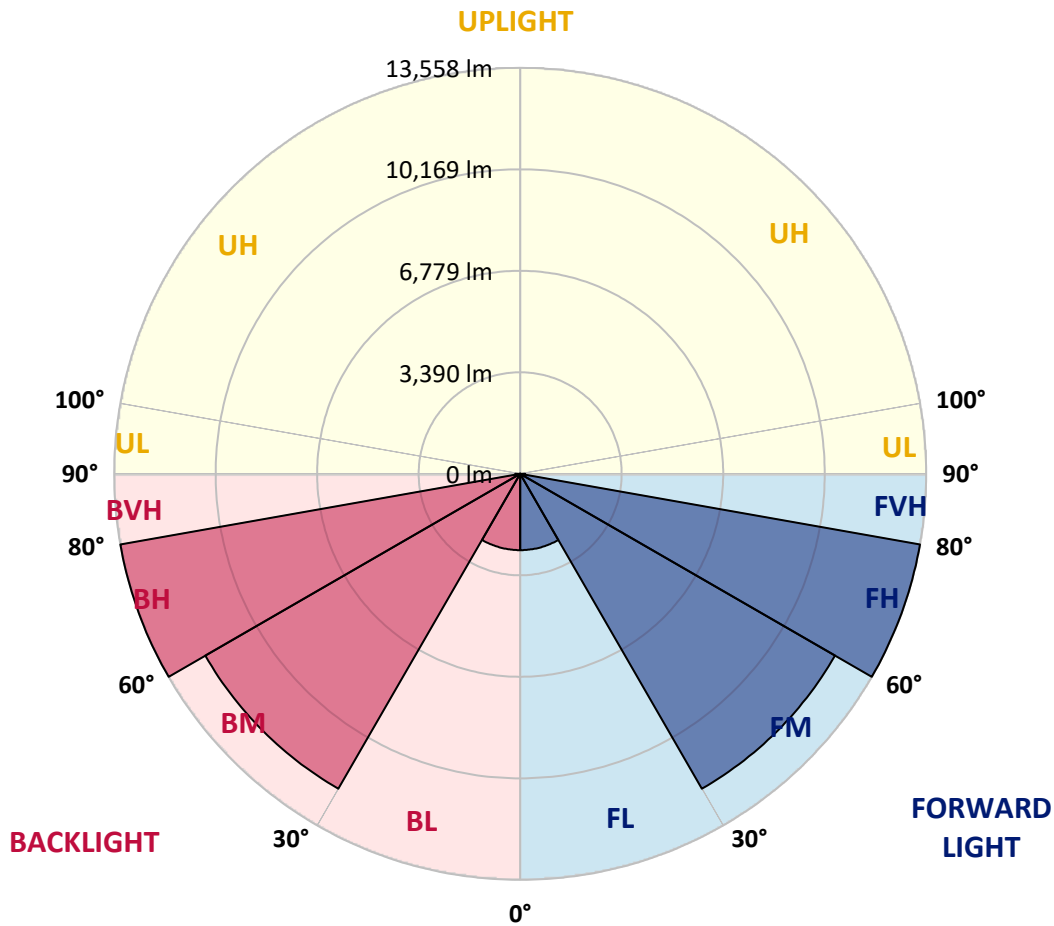
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2549.6	4.5			
FM (30°-60°)	12142.8	21.4			
FH (60°-80°)	13558.2	23.9			G5
FVH (80°-90°)	162.9	0.3			G2/225
BL (0°-30°)	2549.6	4.5	B4/5000		
BM (30°-60°)	12142.8	21.4	B5		
BH (60°-80°)	13558.2	23.9	B5		G5
BVH (80°-90°)	162.9	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°	5443.4	5443.4	5443.4	5443.4	5443.4	5443.4	5443.4	5443.4	5443.4	5443.4
2.5°	5469.1	5474.8	5463.4	5457.7	5452.0	5443.4	5446.3	5460.6	5472.0	5469.1
5°	5514.8	5520.5	5511.9	5509.1	5497.6	5494.8	5494.8	5509.1	5517.6	5511.9
7.5°	5566.1	5574.7	5560.4	5557.6	5551.9	5546.1	5543.3	5557.6	5566.1	5566.1
10°	5614.6	5623.2	5611.8	5603.2	5597.5	5597.5	5591.8	5603.2	5617.5	5614.6
12.5°	5666.0	5671.7	5660.3	5654.6	5654.6	5663.1	5654.6	5660.3	5671.7	5666.0
15°	5728.7	5731.6	5728.7	5737.3	5751.6	5780.1	5754.4	5748.7	5754.4	5740.1
17.5°	5814.3	5820.0	5831.4	5851.4	5871.4	5922.7	5877.1	5862.8	5862.8	5834.3
20°	5919.9	5928.4	5945.6	5979.8	6005.5	6054.0	6008.3	5988.4	5979.8	5942.7
22.5°	6031.1	6045.4	6071.1	6116.7	6162.4	6208.0	6162.4	6128.1	6102.5	6054.0
25°	6159.5	6176.6	6216.6	6290.8	6353.5	6419.1	6364.9	6296.5	6245.1	6176.6
27.5°	6342.1	6362.1	6410.6	6501.9	6581.8	6638.8	6587.5	6499.0	6427.7	6345.0
30°	6598.9	6618.9	6675.9	6772.9	6827.1	6864.2	6830.0	6761.5	6675.9	6581.8
32.5°	6929.8	6955.5	7018.3	7109.6	7121.0	7126.7	7115.3	7081.0	7018.3	6904.2
35°	7349.2	7377.7	7449.1	7523.2	7511.8	7523.2	7506.1	7494.7	7449.1	7317.8
37.5°	7862.7	7897.0	7971.2	8028.2	7999.7	7985.4	7988.3	7991.1	7965.5	7820.0
40°	8459.0	8504.7	8558.9	8618.8	8570.3	8527.5	8556.0	8578.8	8556.0	8407.7
42.5°	9072.4	9138.0	9195.1	9280.7	9240.7	9186.5	9226.5	9252.1	9203.6	9043.9
45°	9754.3	9817.0	9891.2	10019.6	9991.0	9934.0	9991.0	9996.8	9914.0	9725.7
47.5°	10458.9	10524.6	10635.8	10807.0	10795.6	10732.8	10807.0	10767.1	10661.5	10436.1
50°	11126.5	11217.8	11389.0	11628.6	11651.5	11574.4	11674.3	11597.3	11420.4	11137.9
52.5°	11754.2	11851.2	12122.2	12447.4	12530.2	12430.3	12564.4	12430.3	12165.0	11802.7
55°	12413.2	12521.6	12844.0	13269.1	13434.6	13360.4	13485.9	13283.4	12906.8	12467.4
57.5°	13189.2	13254.8	13640.0	14145.0	14424.5	14441.7	14498.7	14156.4	13699.9	13200.6
60°	14030.8	14122.1	14541.5	15146.3	15588.5	15731.2	15671.3	15163.5	14632.8	14059.4
62.5°	15109.3	15209.1	15711.2	16435.9	17134.8	17488.6	17254.7	16518.6	15862.4	15174.9
65°	16002.2	16113.5	17020.7	18313.1	19585.5	20295.9	19708.2	18353.1	17171.9	16201.9
67.5°	15354.6	15491.5	16915.2	19288.8	22452.8	24572.5	22561.2	19579.8	17266.1	15950.9
70°	13420.3	13548.7	15209.1	18110.6	23260.1	27904.8	23745.1	18644.1	15263.3	13791.2
72.5°	8909.8	9323.5	11003.8	14484.5	20769.5	25822.1	20974.9	14190.6	10207.9	8889.8
75°	2955.7	3286.6	4433.5	7509.0	13911.0	19311.7	13243.4	6644.5	3512.0	2527.7
77.5°	744.6	858.7	1184.0	2148.3	5549.0	10995.3	4995.5	1754.6	955.7	667.6
80°	362.3	399.4	570.6	716.1	1389.4	3494.9	1303.8	673.3	450.8	348.1
82.5°	199.7	202.6	322.4	405.1	516.4	904.4	536.4	393.7	259.6	211.1
85°	122.7	119.8	171.2	216.8	216.8	322.4	256.8	216.8	148.4	131.2
87.5°	48.5	48.5	62.8	68.5	59.9	82.7	65.6	71.3	57.1	54.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
5443.4
5472.0
5514.8
5566.1
5614.6
5663.1
5740.1
5834.3
5942.7
6051.1
6173.8
6342.1
6581.8
6907.0
7317.8
7820.0
8407.7
9055.3
9745.7
10421.8
11132.2
11768.4
12407.5
13132.2
13968.1
15055.0
16042.2
15754.0
13594.3
8601.7
2390.8
596.3
319.5
211.1
136.9
57.1
0.0

OF REPORT)