

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: P945796

Luminaire Tested: **GALN-SB1C-927-U-5MQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945796  
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-SB1C-927-U-5MQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4776 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

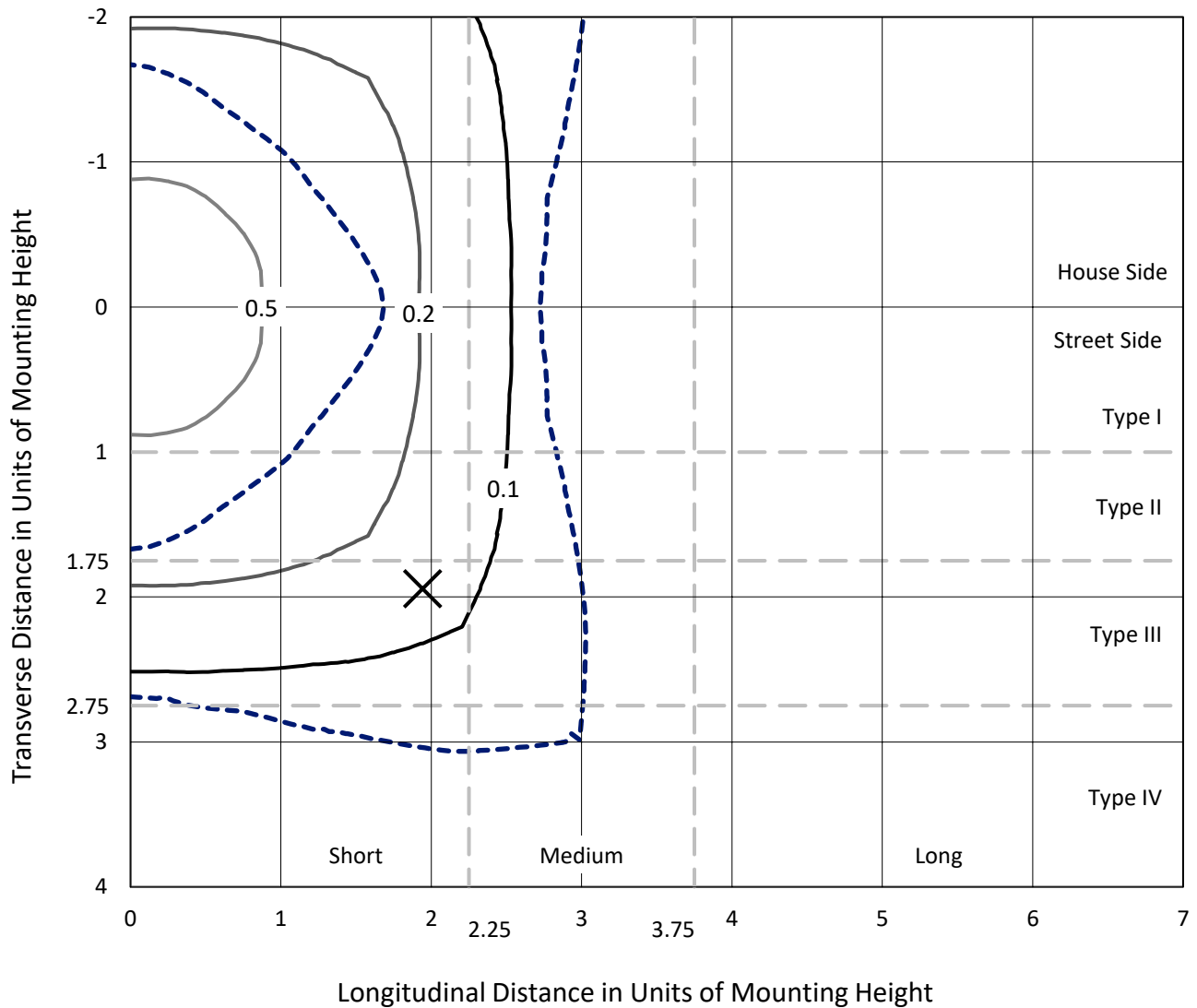
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

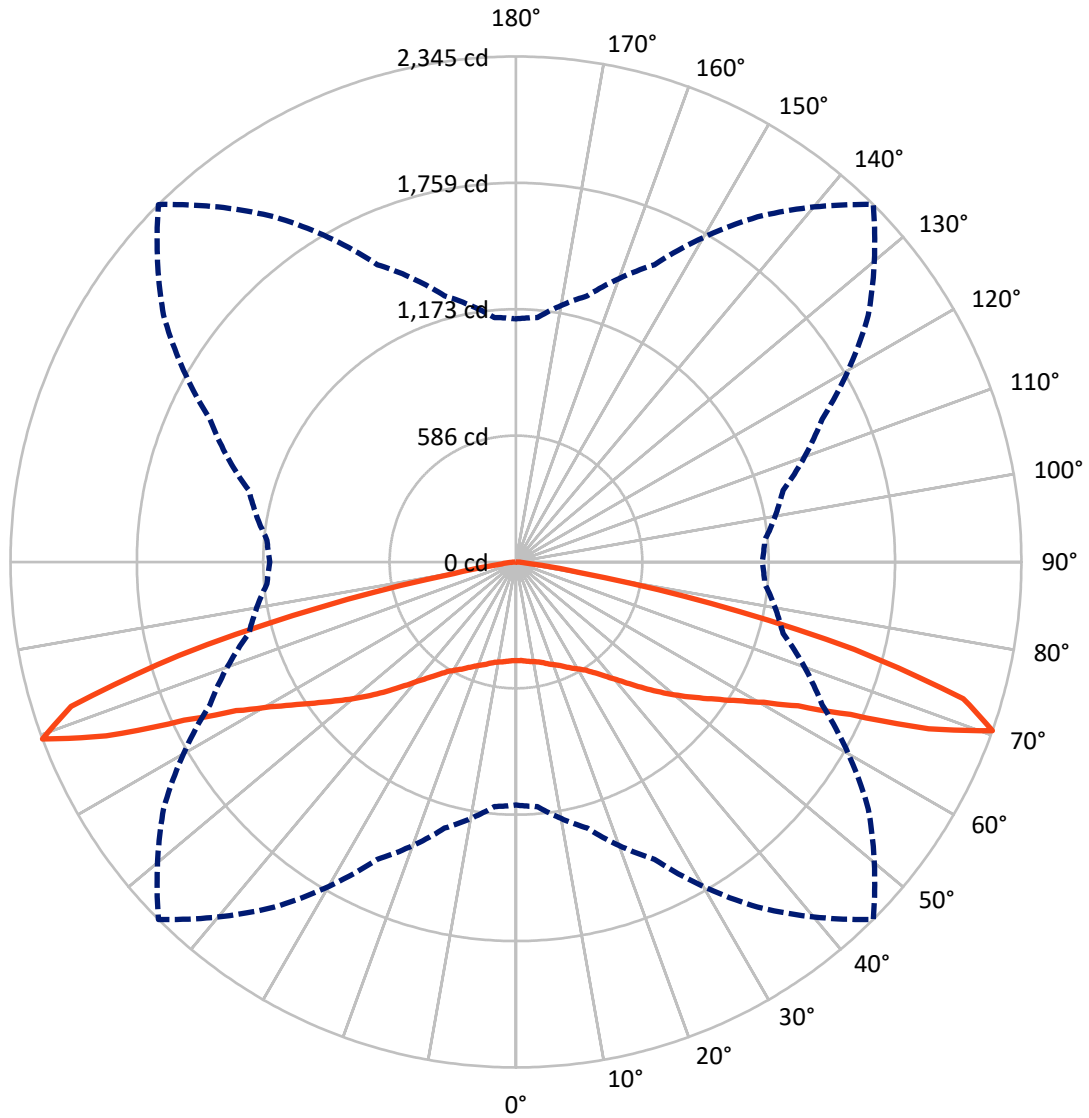
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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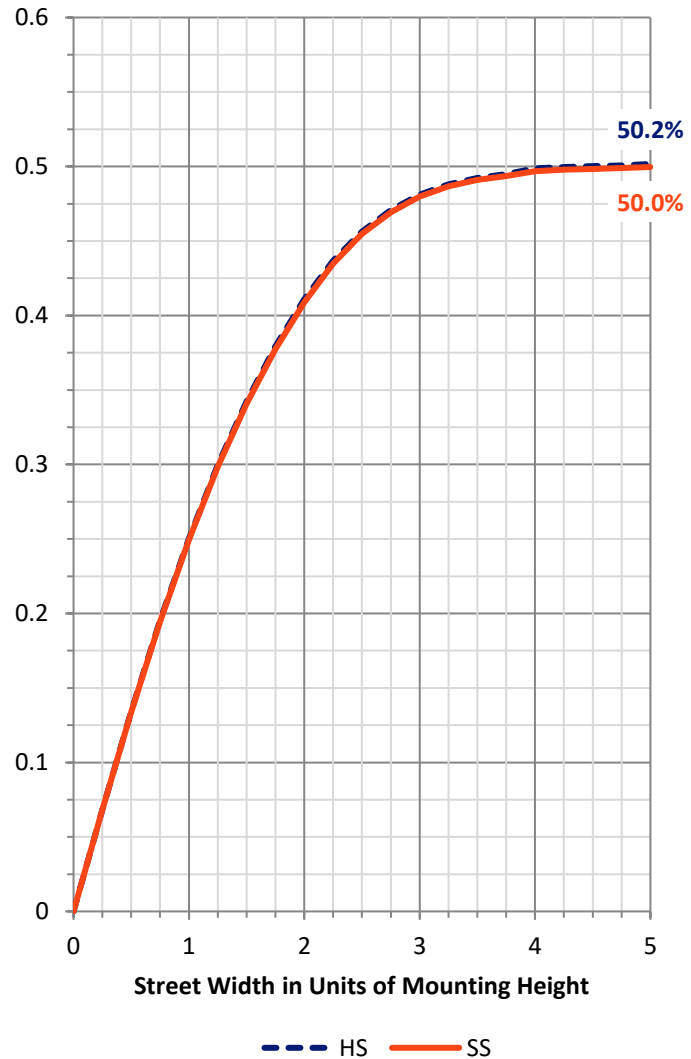
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2388.0	0.0	2388.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2388.0	0.0	2388.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4776.0	0.0	4776.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.4	0.9
10°-20°	137.8	2.9
20°-30°	246.3	5.2
30°-40°	399.2	8.4
40°-50°	650.3	13.6
50°-60°	991.5	20.8
60°-70°	1475.0	30.9
70°-80°	803.9	16.8
80°-90°	27.4	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°	4776.0	100.0
0°-180°	4776.0	100.0



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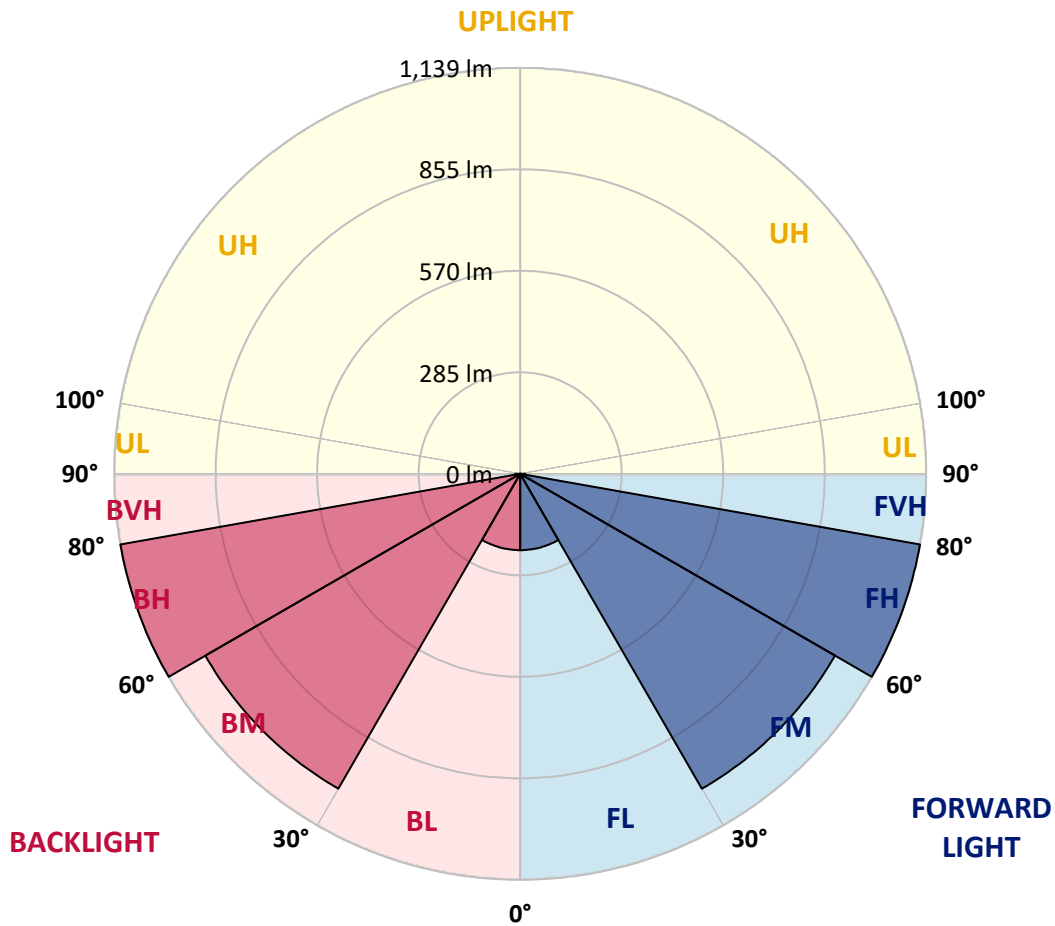
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.3	4.5			
FM (30°-60°)	1020.5	21.4			
FH (60°-80°)	1139.5	23.9			G1/1800
FVH (80°-90°)	13.7	0.3			G1/100
BL (0°-30°)	214.3	4.5	B1/500		
BM (30°-60°)	1020.5	21.4	B2/2500		
BH (60°-80°)	1139.5	23.9	B3/2500		G1/1800
BVH (80°-90°)	13.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	457.5	457.5	457.5	457.5	457.5	457.5	457.5	457.5	457.5	457.5
2.5°	459.6	460.1	459.2	458.7	458.2	457.5	457.7	458.9	459.9	459.6
5°	463.5	464.0	463.2	463.0	462.0	461.8	461.8	463.0	463.7	463.2
7.5°	467.8	468.5	467.3	467.1	466.6	466.1	465.9	467.1	467.8	467.8
10°	471.9	472.6	471.6	470.9	470.4	470.4	470.0	470.9	472.1	471.9
12.5°	476.2	476.7	475.7	475.2	475.2	476.0	475.2	475.7	476.7	476.2
15°	481.5	481.7	481.5	482.2	483.4	485.8	483.6	483.1	483.6	482.4
17.5°	488.7	489.1	490.1	491.8	493.5	497.8	493.9	492.7	492.7	490.3
20°	497.5	498.3	499.7	502.6	504.7	508.8	505.0	503.3	502.6	499.5
22.5°	506.9	508.1	510.2	514.1	517.9	521.8	517.9	515.0	512.9	508.8
25°	517.7	519.1	522.5	528.7	534.0	539.5	534.9	529.2	524.9	519.1
27.5°	533.0	534.7	538.8	546.4	553.2	558.0	553.6	546.2	540.2	533.3
30°	554.6	556.3	561.1	569.2	573.8	576.9	574.0	568.3	561.1	553.2
32.5°	582.4	584.6	589.8	597.5	598.5	599.0	598.0	595.1	589.8	580.3
35°	617.7	620.1	626.1	632.3	631.3	632.3	630.8	629.9	626.1	615.0
37.5°	660.8	663.7	669.9	674.7	672.3	671.1	671.4	671.6	669.5	657.2
40°	710.9	714.8	719.3	724.4	720.3	716.7	719.1	721.0	719.1	706.6
42.5°	762.5	768.0	772.8	780.0	776.6	772.1	775.4	777.6	773.5	760.1
45°	819.8	825.1	831.3	842.1	839.7	834.9	839.7	840.2	833.2	817.4
47.5°	879.0	884.5	893.9	908.3	907.3	902.0	908.3	904.9	896.0	877.1
50°	935.1	942.8	957.2	977.3	979.2	972.8	981.2	974.7	959.8	936.1
52.5°	987.9	996.0	1018.8	1046.1	1053.1	1044.7	1056.0	1044.7	1022.4	992.0
55°	1043.3	1052.4	1079.5	1115.2	1129.1	1122.9	1133.4	1116.4	1084.7	1047.8
57.5°	1108.5	1114.0	1146.4	1188.8	1212.3	1213.7	1218.5	1189.8	1151.4	1109.4
60°	1179.2	1186.9	1222.1	1273.0	1310.1	1322.1	1317.1	1274.4	1229.8	1181.6
62.5°	1269.9	1278.2	1320.4	1381.3	1440.1	1469.8	1450.2	1388.3	1333.2	1275.4
65°	1344.9	1354.3	1430.5	1539.1	1646.1	1705.8	1656.4	1542.5	1443.2	1361.7
67.5°	1290.5	1302.0	1421.6	1621.1	1887.0	2065.2	1896.1	1645.6	1451.1	1340.6
70°	1127.9	1138.7	1278.2	1522.1	1954.9	2345.2	1995.7	1566.9	1282.8	1159.1
72.5°	748.8	783.6	924.8	1217.3	1745.6	2170.2	1762.8	1192.6	857.9	747.1
75°	248.4	276.2	372.6	631.1	1169.1	1623.0	1113.0	558.4	295.2	212.4
77.5°	62.6	72.2	99.5	180.6	466.4	924.1	419.8	147.5	80.3	56.1
80°	30.5	33.6	48.0	60.2	116.8	293.7	109.6	56.6	37.9	29.3
82.5°	16.8	17.0	27.1	34.0	43.4	76.0	45.1	33.1	21.8	17.7
85°	10.3	10.1	14.4	18.2	18.2	27.1	21.6	18.2	12.5	11.0
87.5°	4.1	4.1	5.3	5.8	5.0	7.0	5.5	6.0	4.8	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
457.5
459.9
463.5
467.8
471.9
476.0
482.4
490.3
499.5
508.6
518.9
533.0
553.2
580.5
615.0
657.2
706.6
761.0
819.1
875.9
935.6
989.1
1042.8
1103.7
1173.9
1265.3
1348.3
1324.0
1142.5
722.9
200.9
50.1
26.9
17.7
11.5
4.8
0.0

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