

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: P939030

Luminaire Tested: **GALN-SB1B-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939030  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB1B-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4129 lumens  
Efficiency: N/A  
Efficacy: 103.7 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

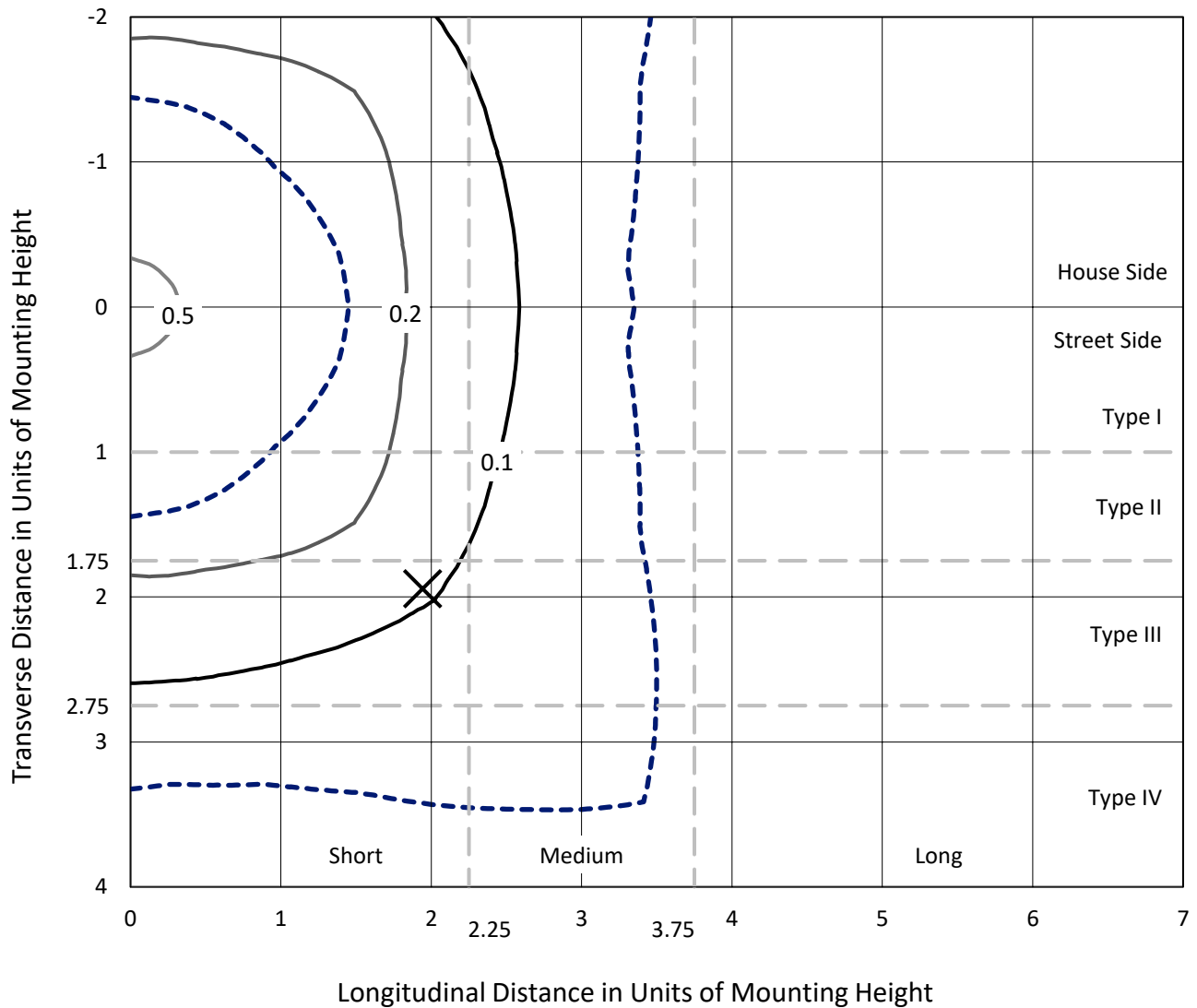
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

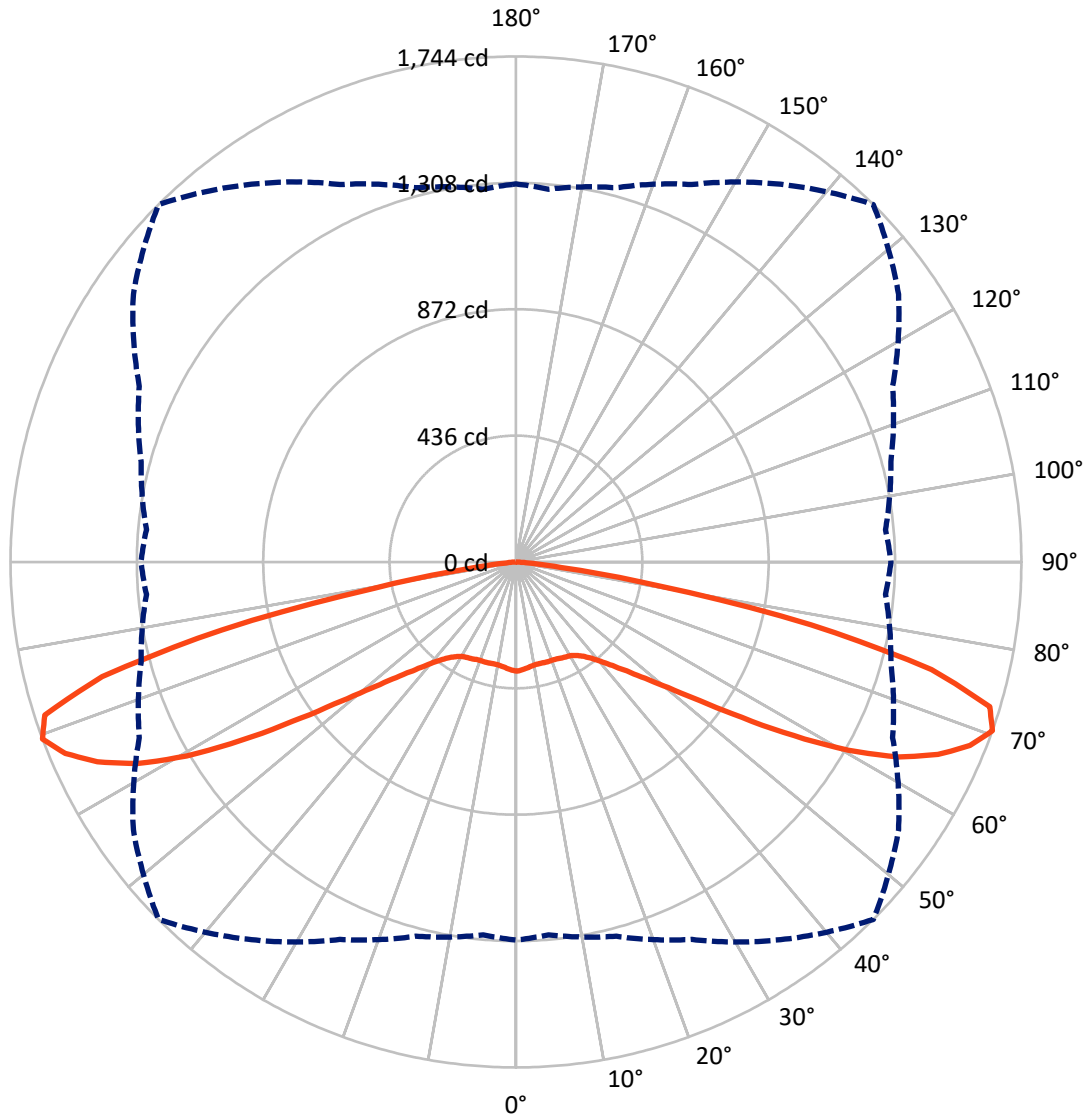
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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	2064.5	0.0	2064.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2064.5	0.0	2064.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4129.0	0.0	4129.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.0	0.8
10°-20°	102.9	2.5
20°-30°	171.2	4.1
30°-40°	258.9	6.3
40°-50°	430.3	10.4
50°-60°	811.9	19.7
60°-70°	1370.9	33.2
70°-80°	900.8	21.8
80°-90°	47.2	1.1
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°	4129.0	100.0
0°-180°	4129.0	100.0



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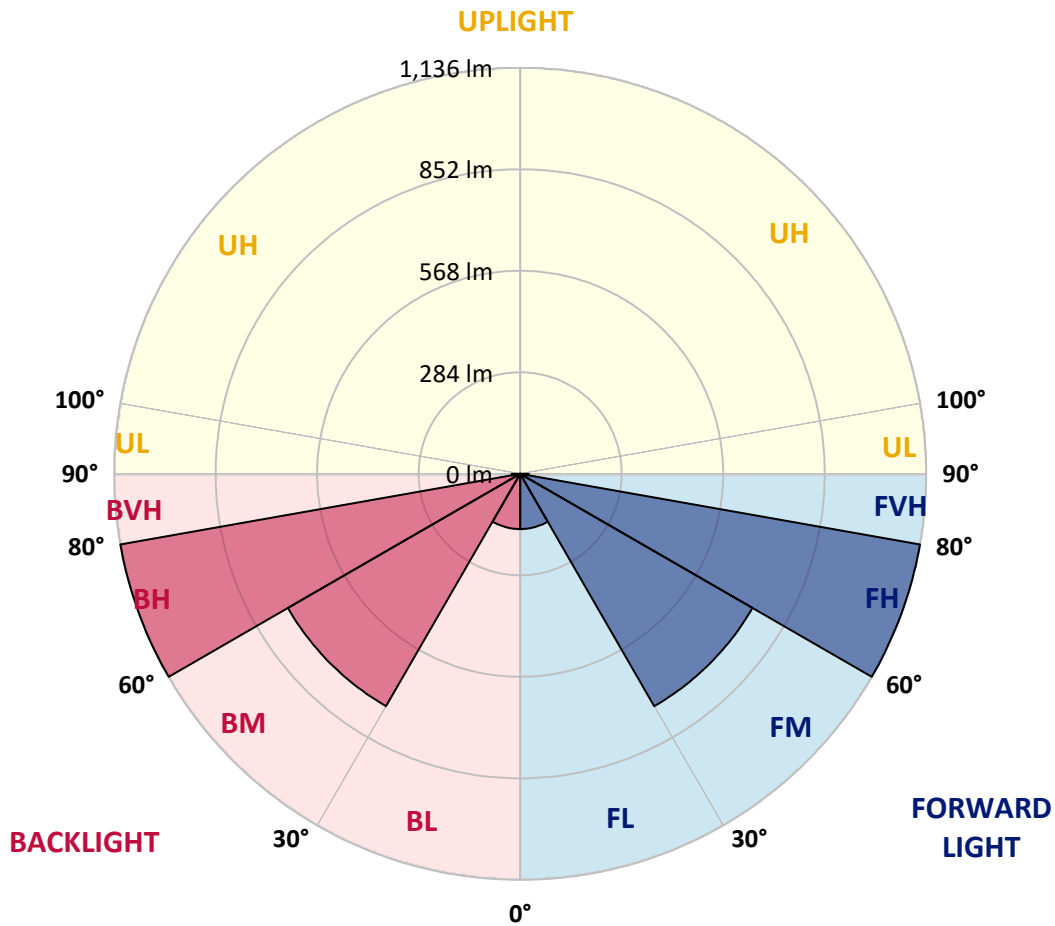
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.6	3.7			
FM (30°-60°)	750.5	18.2			
FH (60°-80°)	1135.8	27.5			G1/1800
FVH (80°-90°)	23.6	0.6			G1/100
BL (0°-30°)	154.6	3.7	B1/500		
BM (30°-60°)	750.5	18.2	B1/1000		
BH (60°-80°)	1135.8	27.5	B3/2500		G1/1800
BVH (80°-90°)	23.6	0.6			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°	376.6	376.6	376.6	376.6	376.6	376.6	376.6	376.6	376.6	376.6
2.5°	374.3	375.4	374.9	374.1	374.1	373.4	374.1	374.5	375.1	375.6
5°	369.4	370.2	370.0	369.4	369.6	368.9	369.4	370.0	370.4	370.6
7.5°	365.1	365.9	365.5	364.4	364.4	363.8	364.0	364.6	365.3	365.5
10°	364.0	364.8	363.6	361.8	361.2	360.3	360.6	361.2	362.5	363.1
12.5°	364.4	365.1	363.8	361.2	360.6	359.7	359.7	360.3	362.1	362.9
15°	365.7	366.3	364.4	361.6	361.0	360.3	360.1	361.0	362.9	364.4
17.5°	368.1	368.7	365.7	361.8	361.0	361.2	361.0	361.6	364.6	367.4
20°	370.2	370.6	366.6	361.8	361.0	361.2	361.0	362.3	366.1	370.0
22.5°	370.9	371.3	367.4	363.3	362.7	362.9	362.7	364.0	367.6	371.5
25°	371.1	371.7	368.7	365.5	366.6	367.0	366.6	366.8	369.6	373.0
27.5°	374.3	375.1	372.4	369.6	370.2	370.0	370.6	371.3	373.4	376.9
30°	380.9	381.6	379.2	376.4	376.0	374.5	376.4	378.6	380.9	383.9
32.5°	391.9	393.2	390.2	387.2	385.2	384.4	385.9	389.5	392.7	396.0
35°	410.1	411.0	408.2	402.6	399.2	399.2	400.5	405.2	410.3	414.4
37.5°	435.9	437.0	432.0	425.4	420.2	420.2	421.9	426.9	434.6	440.4
40°	467.2	468.7	462.5	455.6	450.7	449.8	452.0	457.6	464.9	472.2
42.5°	505.0	506.7	498.5	492.5	488.7	488.7	489.7	494.9	501.6	510.6
45°	553.3	556.3	545.1	539.1	535.5	536.3	537.0	541.5	547.5	557.8
47.5°	610.8	613.8	602.0	595.8	595.1	599.2	596.6	599.8	603.1	614.9
50°	676.0	681.2	673.0	672.6	673.9	681.4	675.4	677.1	673.5	681.0
52.5°	755.9	763.4	761.9	764.5	778.8	794.3	780.6	774.5	760.8	763.2
55°	852.7	864.0	866.2	881.6	914.3	945.8	916.6	892.4	863.2	857.8
57.5°	962.8	971.8	982.1	1013.6	1074.6	1130.6	1074.6	1020.9	975.0	964.0
60°	1081.2	1092.4	1102.3	1148.8	1239.4	1318.2	1237.7	1152.5	1091.7	1076.9
62.5°	1208.5	1222.9	1229.7	1281.5	1387.1	1481.1	1388.6	1285.3	1217.9	1202.1
65°	1330.6	1342.4	1350.1	1405.3	1506.2	1600.4	1513.0	1411.3	1342.0	1321.2
67.5°	1387.5	1393.9	1412.8	1475.3	1581.7	1689.2	1599.7	1481.9	1404.4	1368.0
70°	1304.2	1291.1	1336.6	1436.6	1590.7	1743.7	1611.3	1433.6	1338.8	1279.5
72.5°	1007.8	985.3	1064.3	1235.3	1487.7	1709.0	1498.0	1245.0	1113.4	993.2
75°	548.3	522.8	631.8	848.2	1186.4	1481.3	1213.6	872.4	703.5	544.3
77.5°	154.7	145.1	233.1	410.3	713.6	1040.0	741.1	419.4	276.4	164.0
80°	47.4	45.9	62.2	123.6	303.0	498.1	291.2	125.1	79.2	50.0
82.5°	28.1	25.8	30.9	45.1	77.3	156.5	75.1	47.0	37.8	25.3
85°	16.1	15.0	18.2	21.9	26.0	33.3	21.7	22.3	20.2	13.5
87.5°	6.7	6.0	7.1	6.9	6.0	7.7	5.8	6.9	8.2	5.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
376.6  
375.4  
370.6  
365.5  
363.1  
363.1  
364.6  
367.4  
370.2  
371.5  
372.8  
376.0  
383.3  
394.7  
412.9  
438.2  
469.8  
509.9  
557.4  
611.4  
676.5  
755.2  
849.4  
956.3  
1064.1  
1189.2  
1310.9  
1368.4  
*1293.7*  
1023.1  
579.7  
182.2  
52.8  
27.5  
14.2  
4.9  
0.0

OF REPORT)