

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: P945503

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945503  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
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-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4277 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

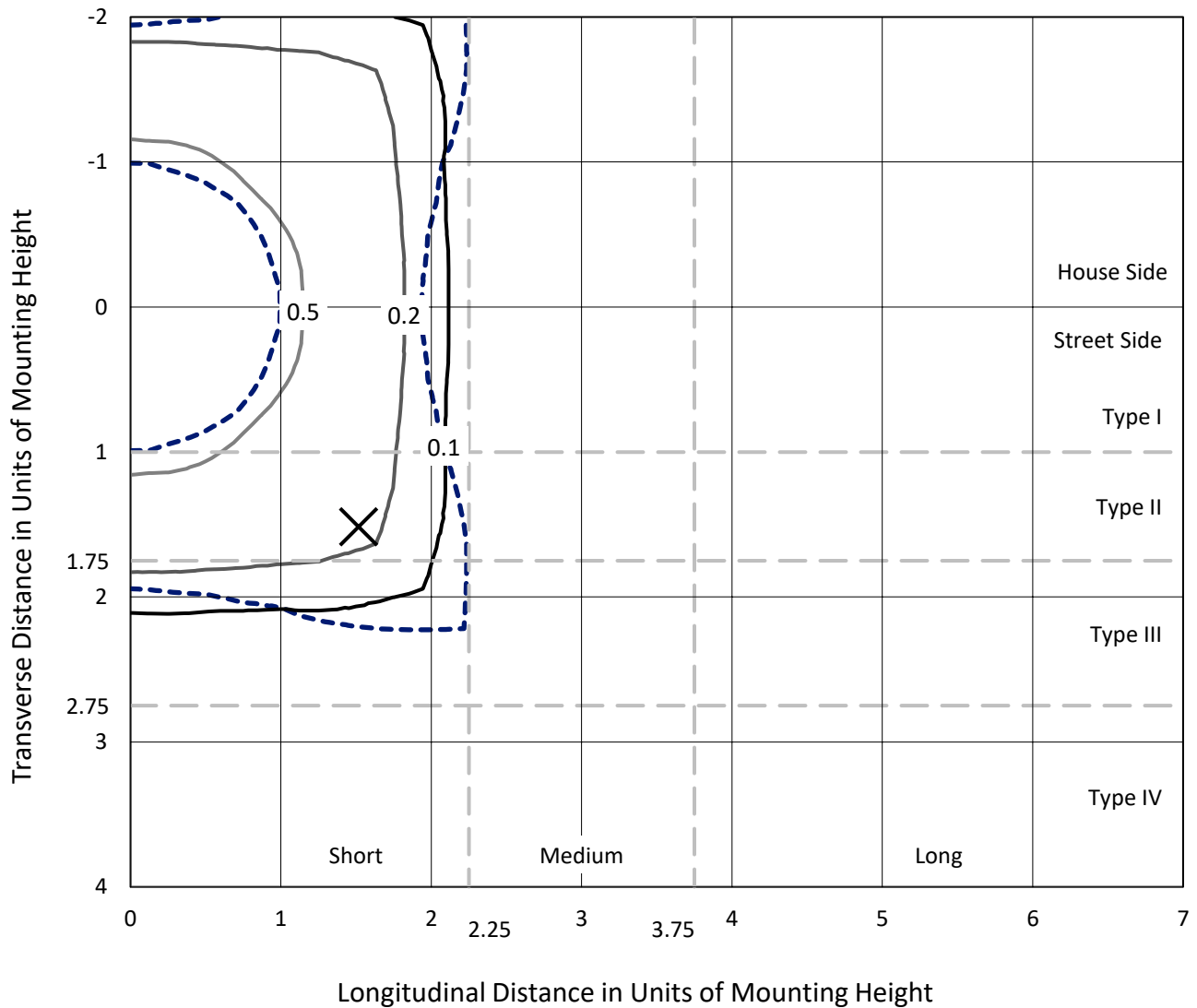
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

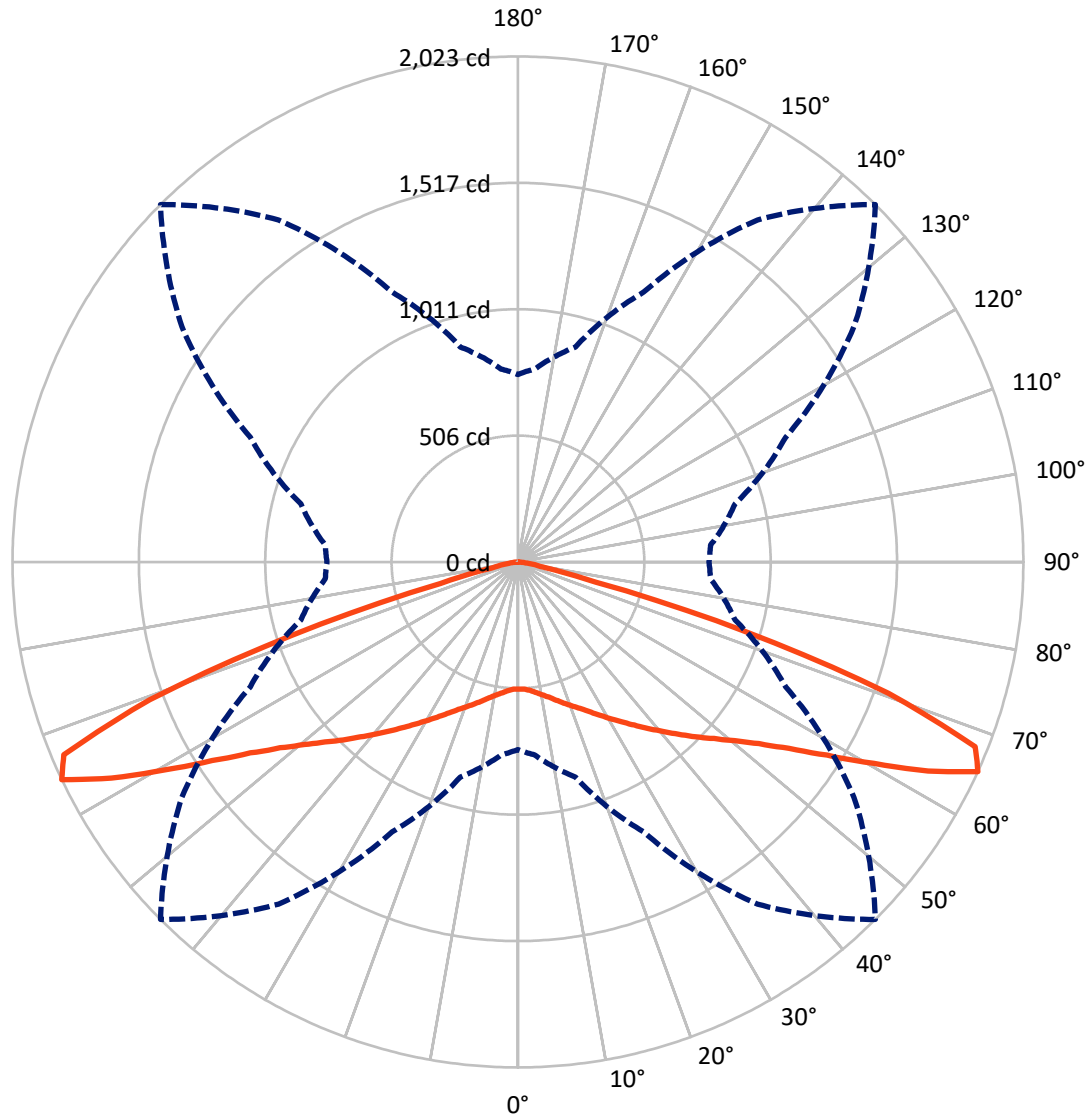
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2138.5	0.0	2138.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2138.5	0.0	2138.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4277.0	0.0	4277.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	1.2
10°-20°	163.9	3.8
20°-30°	309.5	7.2
30°-40°	506.8	11.8
40°-50°	785.8	18.4
50°-60°	1160.8	27.1
60°-70°	1104.9	25.8
70°-80°	178.3	4.2
80°-90°	16.8	0.4
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°	4277.0	100.0
0°-180°	4277.0	100.0



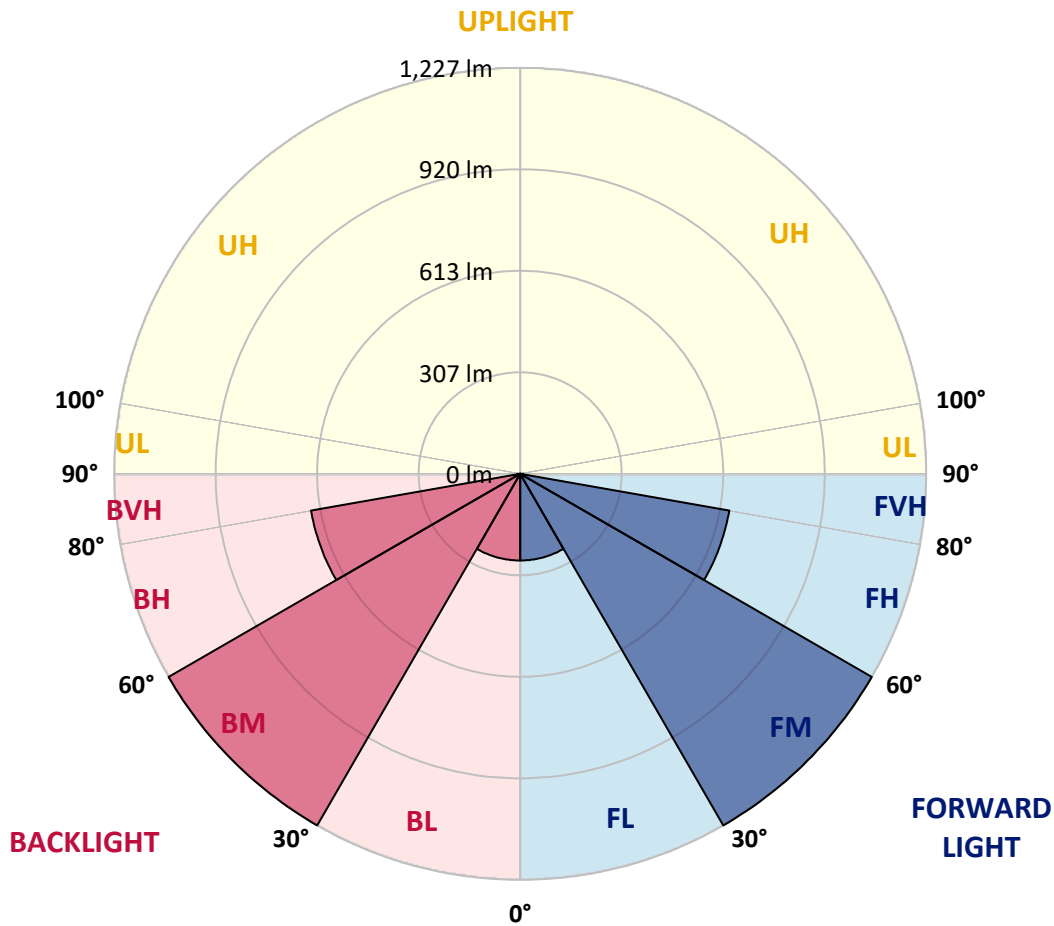
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.8	6.1			
FM (30°-60°)	1226.7	28.7			
FH (60°-80°)	641.6	15.0			G0/660
FVH (80°-90°)	8.4	0.2			G0/10
BL (0°-30°)	261.8	6.1	B1/500		
BM (30°-60°)	1226.7	28.7	B2/2500		
BH (60°-80°)	641.6	15.0	B2/1000		G0/660
BVH (80°-90°)	8.4	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G0**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0	509.0
2.5°	512.4	510.7	512.0	510.9	510.1	509.2	509.6	511.2	511.8	512.0
5°	519.3	517.8	518.4	518.4	516.9	516.5	516.7	517.8	519.1	519.1
7.5°	530.5	529.0	530.5	529.6	528.3	527.9	527.7	528.5	530.5	530.5
10°	544.0	542.3	543.1	542.7	541.2	540.6	540.3	541.6	543.3	543.1
12.5°	558.8	556.9	557.9	556.6	556.2	555.6	555.6	555.4	556.4	555.6
15°	575.3	574.0	574.5	573.6	574.2	573.8	572.1	571.2	571.7	570.4
17.5°	594.8	591.8	593.3	592.9	592.9	593.8	591.0	589.9	590.8	589.5
20°	617.4	614.4	615.0	614.2	613.1	613.9	610.5	611.4	612.0	611.2
22.5°	642.1	638.2	638.0	638.4	636.0	636.3	633.9	636.0	637.3	635.0
25°	667.4	663.3	666.1	665.0	662.0	662.7	660.9	663.1	664.2	661.1
27.5°	694.2	691.4	694.0	694.6	691.0	693.6	691.0	692.9	694.0	689.5
30°	725.5	722.7	725.1	726.8	722.5	726.6	724.5	725.7	726.0	720.6
32.5°	759.6	755.4	761.4	762.2	757.5	762.4	759.6	761.4	762.4	755.1
35°	801.3	795.9	802.8	801.7	797.6	801.7	799.1	801.7	804.3	795.5
37.5°	846.1	840.5	847.8	845.9	842.0	844.8	843.3	845.1	849.1	839.7
40°	895.5	888.6	898.5	895.1	891.4	891.0	891.8	892.9	898.3	887.8
42.5°	948.3	941.0	955.8	950.4	945.3	941.8	944.6	946.8	951.9	940.1
45°	1008.6	1000.2	1019.5	1013.1	1004.9	997.8	1002.3	1005.6	1013.1	998.9
47.5°	1075.1	1065.7	1086.3	1084.3	1071.0	1055.6	1065.9	1075.1	1080.7	1063.5
50°	1140.1	1132.8	1159.9	1162.2	1145.9	1124.2	1138.6	1152.6	1154.1	1131.5
52.5°	1201.1	1193.8	1233.0	1247.8	1233.2	1207.5	1222.7	1236.9	1225.5	1196.3
55°	1249.8	1243.8	1293.8	1332.0	1336.9	1315.6	1324.7	1324.2	1286.9	1242.0
57.5°	1261.6	1260.7	1323.8	1404.7	1456.2	1458.8	1441.0	1395.5	1315.0	1254.7
60°	1207.9	1213.3	1300.0	1442.7	1580.0	1637.1	1560.1	1430.2	1283.0	1199.3
62.5°	1047.4	1061.6	1166.1	1396.3	1680.0	1842.2	1655.6	1377.4	1151.7	1042.5
65°	750.6	775.3	890.8	1191.6	1671.0	2022.5	1641.8	1182.0	899.3	773.4
67.5°	340.6	365.7	463.7	815.9	1452.6	1973.6	1449.1	824.5	486.9	366.9
70°	123.4	127.7	159.2	326.6	928.3	1572.5	968.0	329.0	169.3	136.0
72.5°	74.7	75.3	82.0	117.0	322.5	954.7	336.3	120.8	83.7	74.2
75°	47.4	47.0	58.4	71.5	114.4	322.1	120.0	71.5	58.2	53.0
77.5°	34.1	35.2	41.8	53.4	72.1	109.2	70.8	51.1	41.8	34.3
80°	25.5	26.2	30.5	41.6	50.6	68.0	45.1	37.8	31.5	21.5
82.5°	18.5	18.5	20.0	30.3	30.9	36.7	24.5	26.6	20.8	15.2
85°	10.9	10.7	12.4	18.0	16.1	13.5	11.2	16.3	13.1	9.4
87.5°	3.9	4.1	3.9	5.2	4.3	3.6	3.4	4.5	3.6	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
509.0
512.0
519.1
529.8
542.7
556.0
570.6
590.5
613.1
637.3
664.6
692.9
723.8
760.1
800.8
845.5
891.2
946.3
1006.2
1069.3
1134.3
1197.2
1243.5
1250.8
1189.5
1036.0
764.2
361.6
134.3
75.5
53.4
35.0
22.1
15.2
9.2
3.0
0.0

OF REPORT)