

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: P939200

Luminaire Tested: **GALN-SB1C-940-U-5WQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939200  
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-SB1C-940-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5491 lumens  
Efficiency: N/A  
Efficacy: 100.9 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

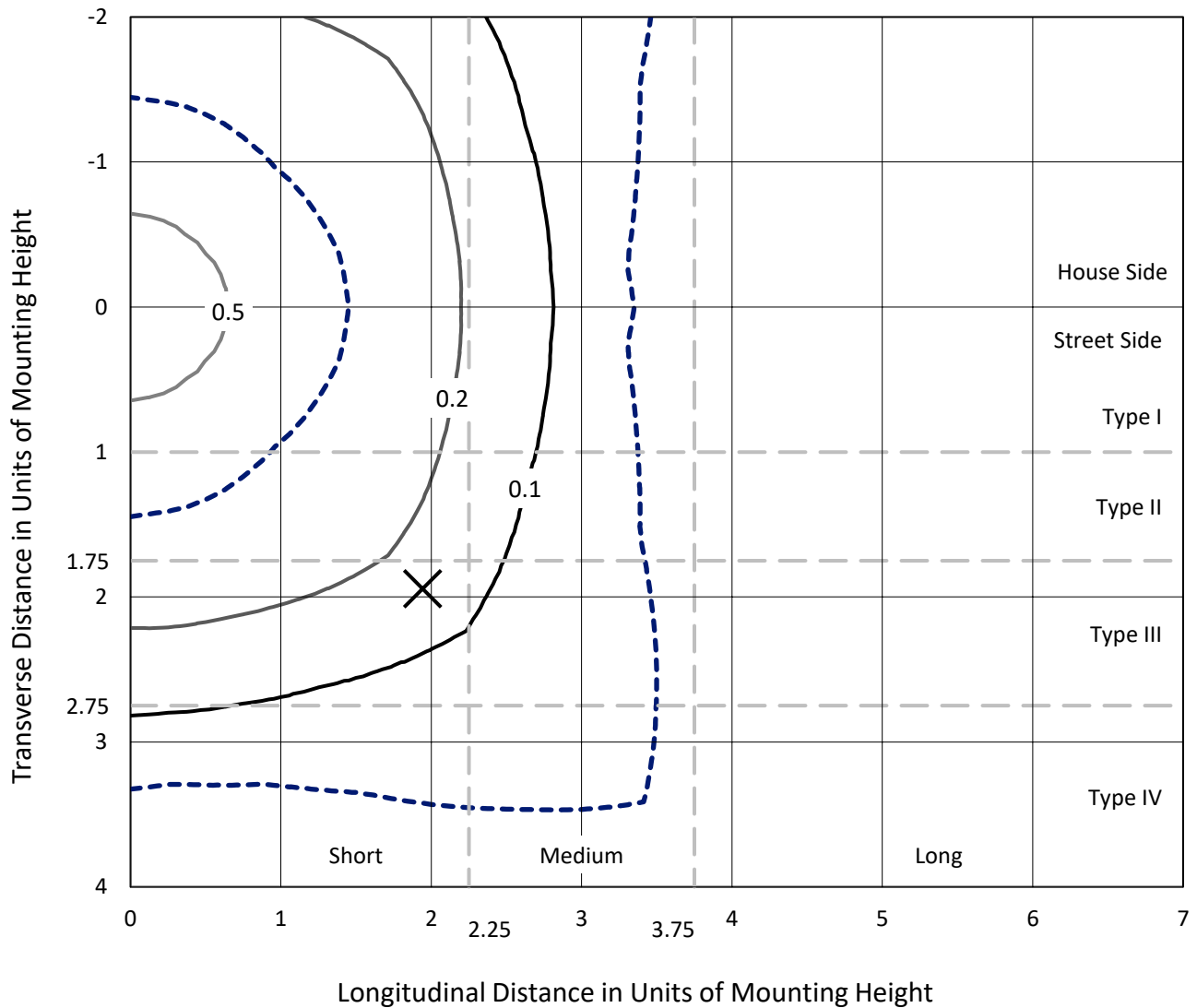
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

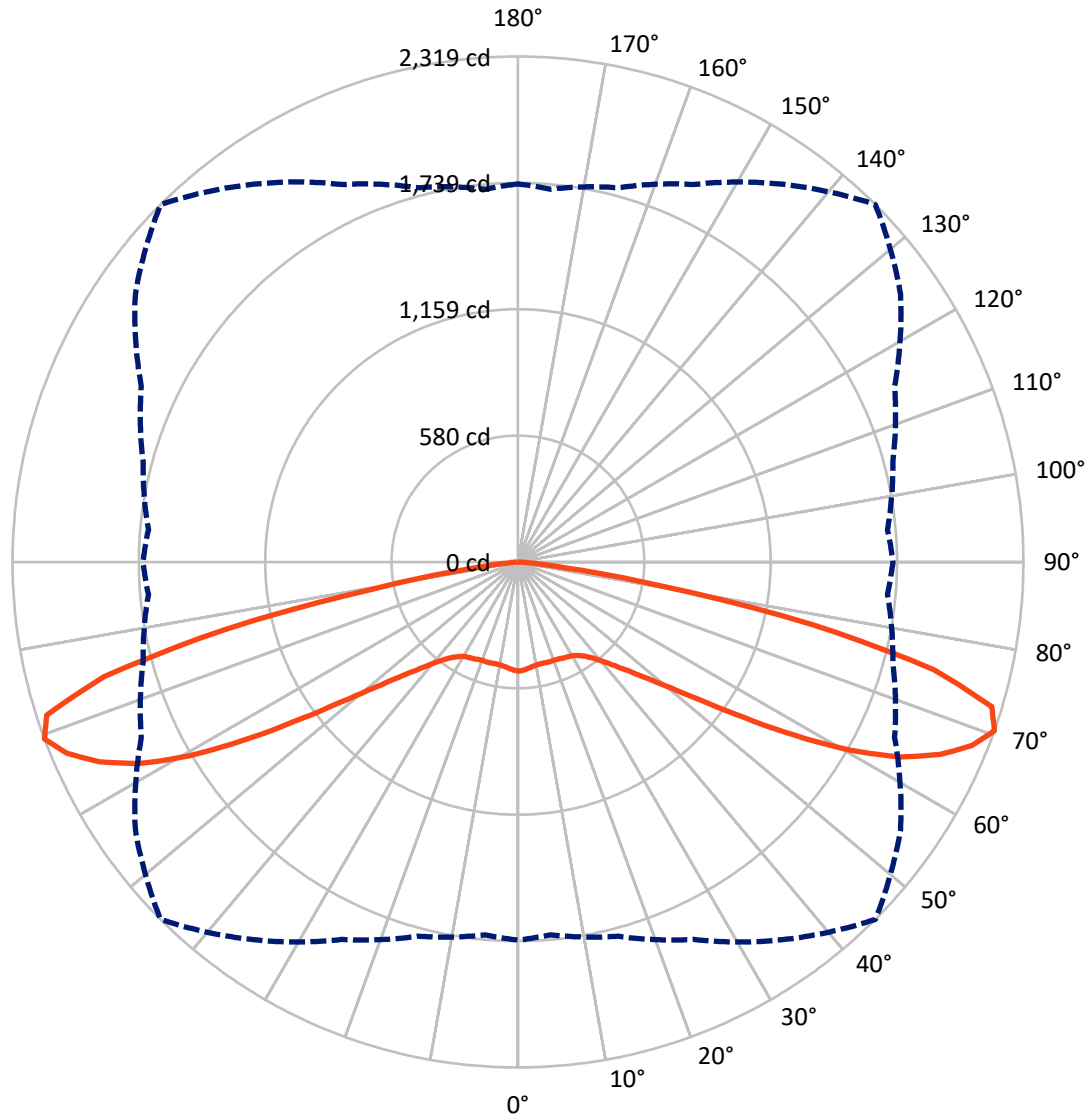
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	2745.5	0.0	2745.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2745.5	0.0	2745.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5491.0	0.0	5491.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.6	0.8
10°-20°	136.8	2.5
20°-30°	227.7	4.1
30°-40°	344.3	6.3
40°-50°	572.2	10.4
50°-60°	1079.7	19.7
60°-70°	1823.1	33.2
70°-80°	1197.9	21.8
80°-90°	62.8	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°	5491.0	100.0
0°-180°	5491.0	100.0

**Coefficient of Utilization**



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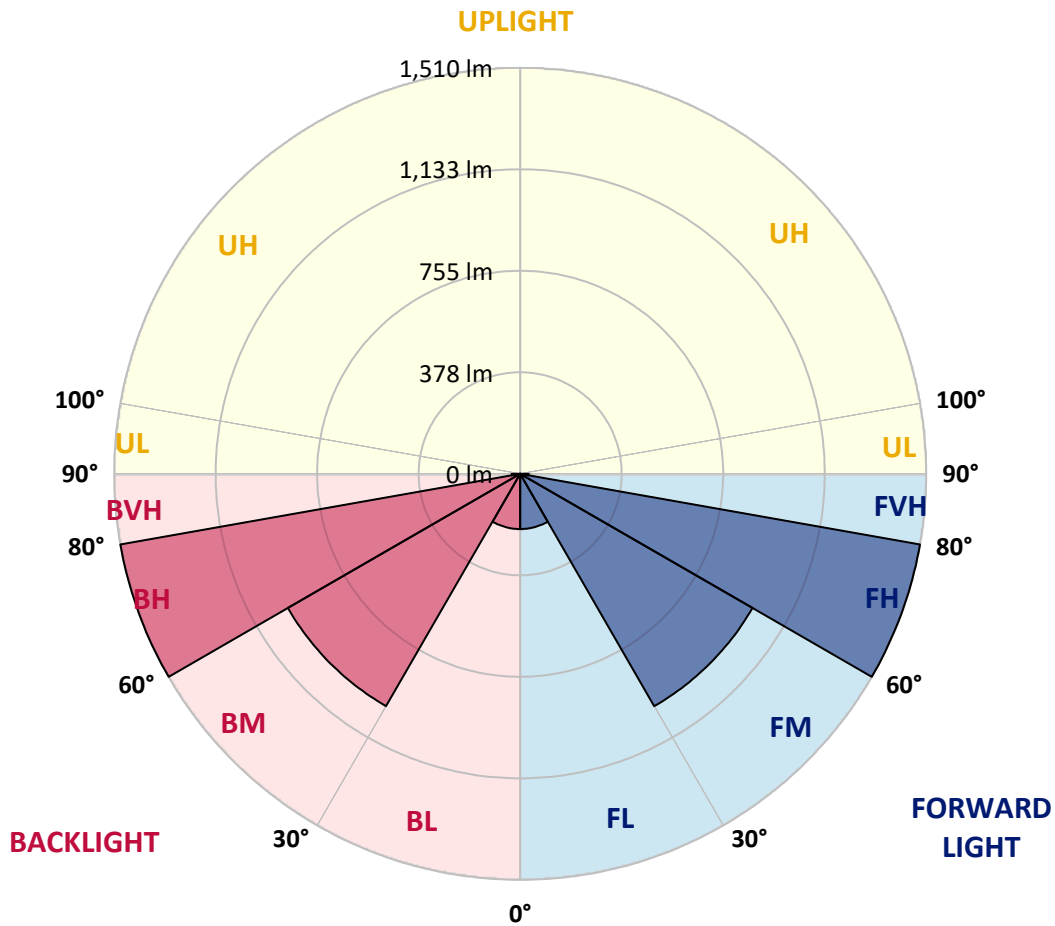
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.5	3.7			
FM (30°-60°)	998.1	18.2			
FH (60°-80°)	1510.5	27.5			G1/1800
FVH (80°-90°)	31.4	0.6			G1/100
BL (0°-30°)	205.5	3.7	B1/500		
BM (30°-60°)	998.1	18.2	B1/1000		
BH (60°-80°)	1510.5	27.5	B3/2500		G1/1800
BVH (80°-90°)	31.4	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°	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9	500.9
2.5°	497.8	499.2	498.6	497.5	497.5	496.6	497.5	498.0	498.9	499.5
5°	491.2	492.3	492.0	491.2	491.5	490.6	491.2	492.0	492.6	492.9
7.5°	485.5	486.6	486.0	484.6	484.6	483.8	484.1	484.9	485.8	486.0
10°	484.1	485.2	483.5	481.2	480.3	479.2	479.5	480.3	482.1	482.9
12.5°	484.6	485.5	483.8	480.3	479.5	478.3	478.3	479.2	481.5	482.6
15°	486.3	487.2	484.6	480.9	480.1	479.2	478.9	480.1	482.6	484.6
17.5°	489.5	490.3	486.3	481.2	480.1	480.3	480.1	480.9	484.9	488.6
20°	492.3	492.9	487.5	481.2	480.1	480.3	480.1	481.8	486.9	492.0
22.5°	493.2	493.8	488.6	483.2	482.3	482.6	482.3	484.1	488.9	494.0
25°	493.5	494.3	490.3	486.0	487.5	488.0	487.5	487.8	491.5	496.0
27.5°	497.8	498.9	495.2	491.5	492.3	492.0	492.9	493.8	496.6	501.2
30°	506.6	507.5	504.3	500.6	500.0	498.0	500.6	503.5	506.6	510.6
32.5°	521.2	522.9	518.9	514.9	512.3	511.2	513.2	518.0	522.3	526.6
35°	545.4	546.6	542.8	535.4	530.9	530.9	532.6	538.8	545.7	551.1
37.5°	579.7	581.1	574.5	565.7	558.8	558.8	561.1	567.7	577.9	585.7
40°	621.3	623.3	615.1	605.9	599.4	598.2	601.1	608.5	618.2	627.9
42.5°	671.6	673.8	663.0	655.0	649.9	649.9	651.3	658.1	667.0	679.0
45°	735.8	739.8	724.9	716.9	712.1	713.2	714.1	720.1	728.1	741.8
47.5°	812.3	816.3	800.6	792.3	791.4	796.9	793.4	797.7	802.0	817.7
50°	899.0	905.9	895.0	894.5	896.2	906.2	898.2	900.5	895.6	905.6
52.5°	1005.2	1015.2	1013.2	1016.6	1035.7	1056.3	1038.0	1030.0	1011.8	1014.9
55°	1133.9	1149.0	1151.9	1172.5	1215.8	1257.8	1219.0	1186.7	1147.9	1140.8
57.5°	1280.3	1292.3	1306.0	1348.0	1429.0	1503.5	1429.0	1357.7	1296.6	1282.0
60°	1437.9	1452.7	1465.9	1527.8	1648.2	1753.0	1645.9	1532.6	1451.9	1432.2
62.5°	1607.1	1626.3	1635.4	1704.2	1844.6	1969.6	1846.6	1709.3	1619.7	1598.6
65°	1769.5	1785.2	1795.5	1868.8	2003.0	2128.3	2012.1	1876.8	1784.7	1757.0
67.5°	1845.2	1853.7	1878.8	1961.9	2103.5	2246.4	2127.4	1970.7	1867.7	1819.2
70°	1734.4	1717.0	1777.5	1910.5	2115.4	2318.9	2142.8	1906.5	1780.4	1701.6
72.5°	1340.3	1310.3	1415.3	1642.8	1978.4	2272.7	1992.1	1655.6	1480.7	1320.9
75°	729.2	695.3	840.2	1127.9	1577.7	1969.9	1614.0	1160.2	935.6	723.8
77.5°	205.8	192.9	310.0	545.7	949.0	1383.1	985.5	557.7	367.6	218.1
80°	63.1	61.1	82.8	164.4	403.0	662.4	387.3	166.4	105.3	66.5
82.5°	37.4	34.2	41.1	59.9	102.7	208.1	99.9	62.5	50.2	33.7
85°	21.4	20.0	24.3	29.1	34.5	44.2	28.8	29.7	26.8	18.0
87.5°	8.8	8.0	9.4	9.1	8.0	10.3	7.7	9.1	10.8	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
500.9
499.2
492.9
486.0
482.9
482.9
484.9
488.6
492.3
494.0
495.8
500.0
509.7
524.9
549.1
582.8
624.8
678.1
741.2
813.1
899.6
1004.3
1129.6
1271.8
1415.0
1581.4
1743.3
1819.8
1720.4
1360.5
770.9
242.3
70.2
36.5
18.8
6.6
0.0

OF REPORT)