

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: P939880

Luminaire Tested: **GALN-SB2C-940-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939880
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-SB2C-940-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10978 lumens
Efficiency: N/A
Efficacy: 108.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

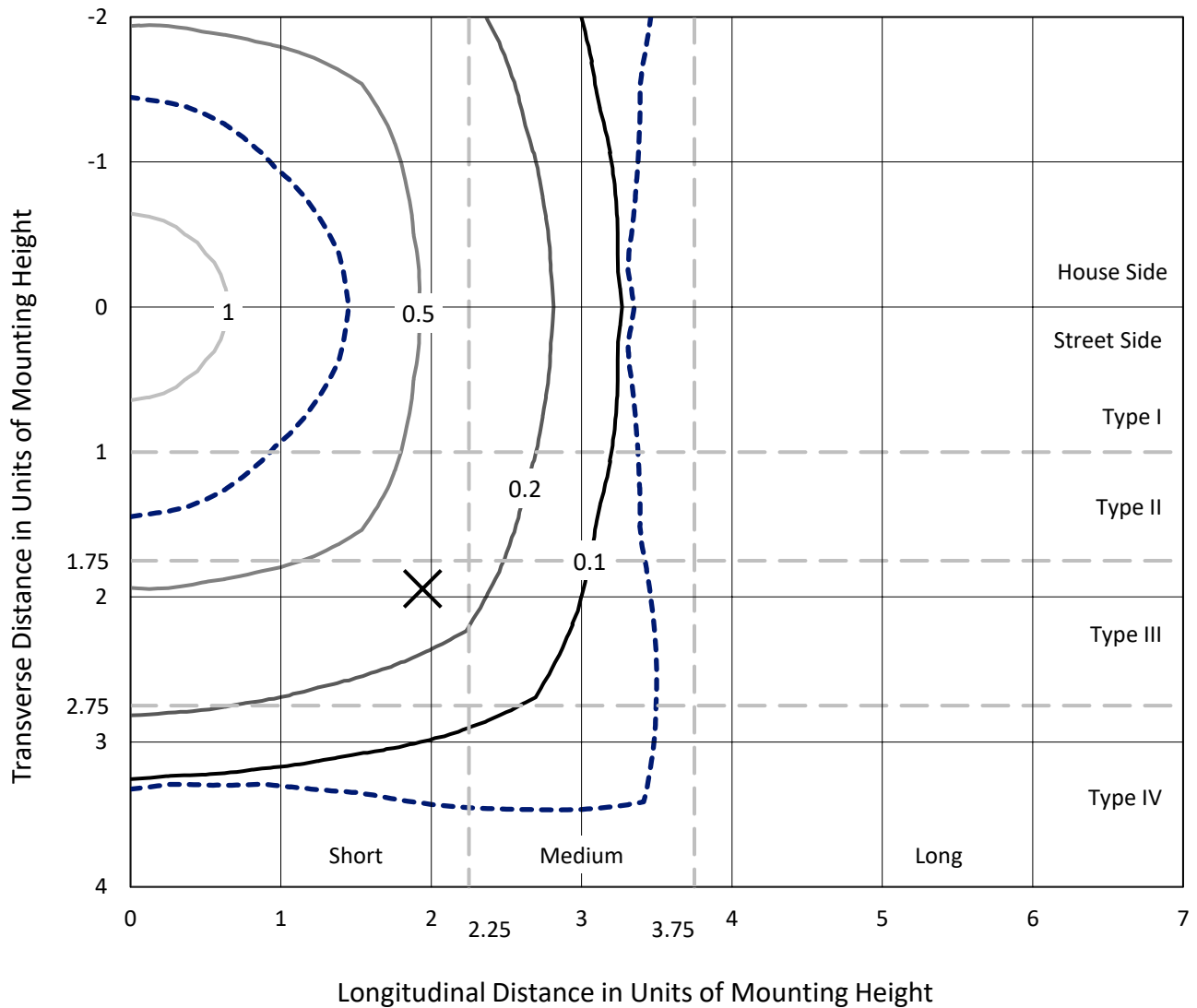
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

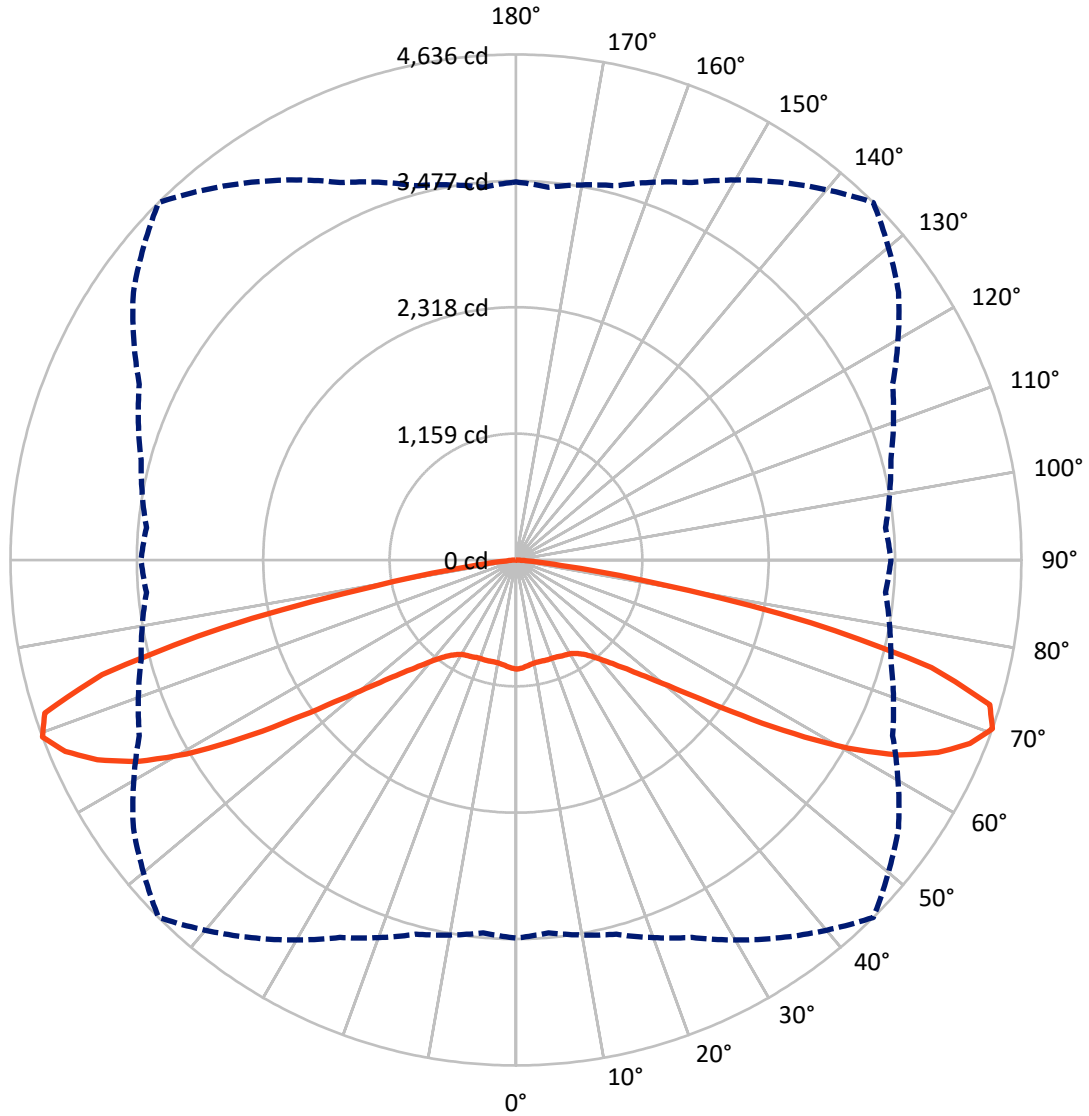
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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
House Side	Lumens	5489.0	0.0	5489.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5489.0	0.0	5489.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10978.0	0.0	10978.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	0.8
10°-20°	273.5	2.5
20°-30°	455.2	4.1
30°-40°	688.4	6.3
40°-50°	1143.9	10.4
50°-60°	2158.6	19.7
60°-70°	3644.8	33.2
70°-80°	2395.0	21.8
80°-90°	125.5	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°	10978.0	100.0
0°-180°	10978.0	100.0

Coefficient of Utilization



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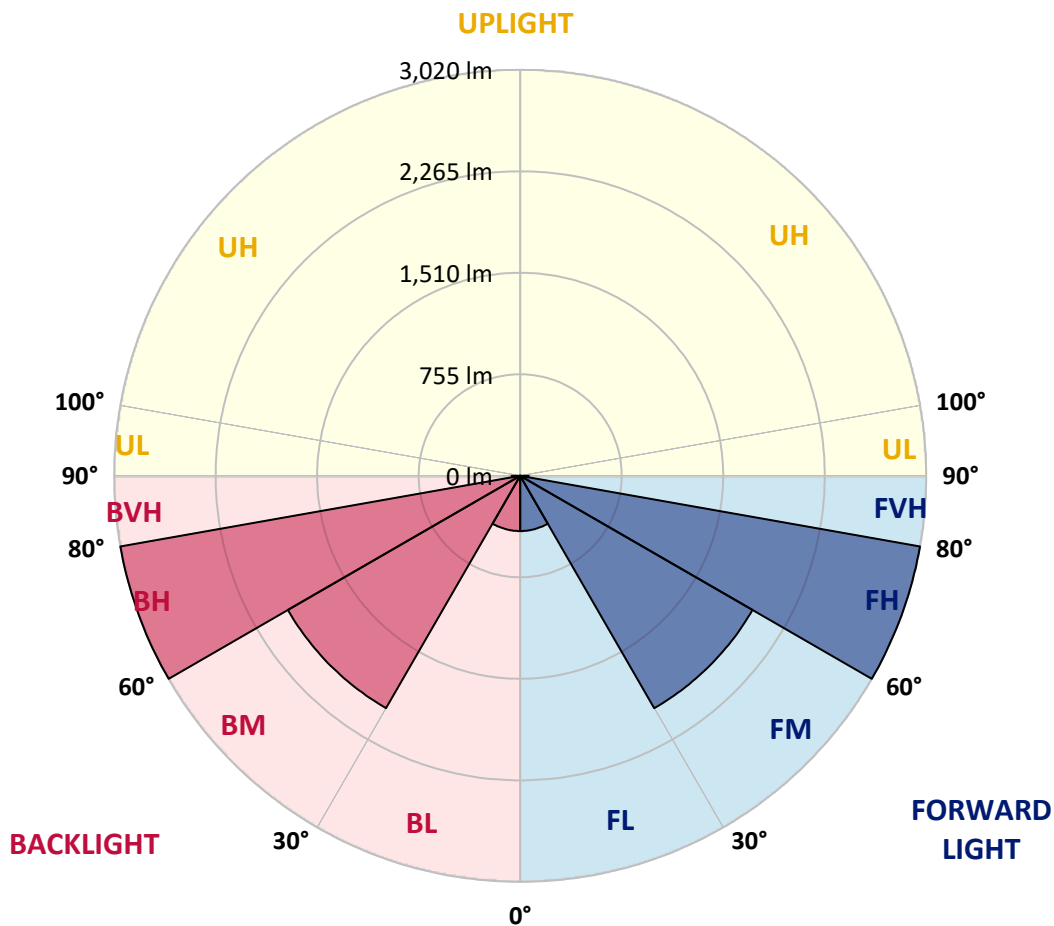
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	410.9	3.7			
FM (30°-60°)	1995.4	18.2			
FH (60°-80°)	3019.9	27.5			G2/5000
FVH (80°-90°)	62.7	0.6			G1/100
BL (0°-30°)	410.9	3.7	B1/500		
BM (30°-60°)	1995.4	18.2	B2/2500		
BH (60°-80°)	3019.9	27.5	B4/5000		G2/5000
BVH (80°-90°)	62.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4	1001.4
2.5°	995.1	998.0	996.8	994.6	994.6	992.9	994.6	995.7	997.4	998.6
5°	982.0	984.3	983.7	982.0	982.6	980.9	982.0	983.7	984.9	985.4
7.5°	970.6	972.9	971.7	968.9	968.9	967.2	967.7	969.5	971.2	971.7
10°	967.7	970.0	966.6	962.0	960.3	958.0	958.6	960.3	963.8	965.5
12.5°	968.9	970.6	967.2	960.3	958.6	956.3	956.3	958.0	962.6	964.9
15°	972.3	974.0	968.9	961.5	959.8	958.0	957.5	959.8	964.9	968.9
17.5°	978.6	980.3	972.3	962.0	959.8	960.3	959.8	961.5	969.5	976.9
20°	984.3	985.4	974.6	962.0	959.8	960.3	959.8	963.2	973.5	983.7
22.5°	986.0	987.1	976.9	966.0	964.3	964.9	964.3	967.7	977.4	987.7
25°	986.6	988.3	980.3	971.7	974.6	975.7	974.6	975.2	982.6	991.7
27.5°	995.1	997.4	990.0	982.6	984.3	983.7	985.4	987.1	992.9	1002.0
30°	1012.8	1014.5	1008.3	1000.8	999.7	995.7	1000.8	1006.6	1012.8	1020.8
32.5°	1041.9	1045.4	1037.4	1029.4	1024.2	1022.0	1026.0	1035.7	1044.2	1052.8
35°	1090.4	1092.7	1085.3	1070.5	1061.3	1061.3	1064.8	1077.3	1091.0	1101.8
37.5°	1158.9	1161.8	1148.6	1130.9	1117.2	1117.2	1121.8	1134.9	1155.5	1170.9
40°	1242.2	1246.2	1229.7	1211.4	1198.3	1196.0	1201.7	1216.5	1235.9	1255.3
42.5°	1342.6	1347.2	1325.5	1309.5	1299.3	1299.3	1302.1	1315.8	1333.5	1357.5
45°	1471.0	1479.0	1449.3	1433.4	1423.7	1425.9	1427.7	1439.6	1455.6	1483.0
47.5°	1623.9	1631.9	1600.6	1584.0	1582.3	1593.1	1586.3	1594.8	1603.4	1634.8
50°	1797.4	1811.1	1789.4	1788.3	1791.7	1811.7	1795.7	1800.3	1790.6	1810.5
52.5°	2009.7	2029.6	2025.7	2032.5	2070.7	2111.8	2075.3	2059.3	2022.8	2029.1
55°	2267.0	2297.3	2303.0	2344.1	2430.8	2514.7	2437.1	2372.6	2295.0	2280.7
57.5°	2559.7	2583.7	2611.1	2695.0	2857.0	3006.0	2857.0	2714.4	2592.3	2563.2
60°	2874.7	2904.4	2930.6	3054.5	3295.3	3504.7	3290.7	3064.2	2902.7	2863.3
62.5°	3213.1	3251.3	3269.6	3407.1	3687.8	3937.8	3691.8	3417.4	3238.2	3196.0
65°	3537.8	3569.1	3589.7	3736.3	4004.5	4255.0	4022.8	3752.3	3568.0	3512.7
67.5°	3689.0	3706.1	3756.3	3922.3	4205.4	4491.2	4253.3	3940.0	3734.0	3637.0
70°	3467.6	3432.8	3553.7	3819.6	4229.3	4636.2	4284.1	3811.7	3559.4	3402.0
72.5°	2679.6	2619.7	2829.6	3284.4	3955.4	4543.7	3982.8	3310.1	2960.3	2640.8
75°	1457.9	1390.0	1679.9	2255.0	3154.3	3938.3	3226.8	2319.5	1870.4	1447.1
77.5°	411.4	385.7	619.7	1091.0	1897.3	2765.2	1970.3	1115.0	734.9	435.9
80°	126.1	122.1	165.5	328.7	805.7	1324.4	774.3	332.7	210.6	133.0
82.5°	74.7	68.5	82.2	119.8	205.4	416.0	199.7	125.0	100.4	67.3
85°	42.8	39.9	48.5	58.2	69.0	88.4	57.6	59.3	53.6	35.9
87.5°	17.7	16.0	18.8	18.3	16.0	20.5	15.4	18.3	21.7	14.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
1001.4
998.0
985.4
971.7
965.5
965.5
969.5
976.9
984.3
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991.1
999.7
1019.1
1049.3
1097.8
1165.2
1249.1
1355.8
1481.9
1625.7
1798.6
2008.0
2258.5
2542.6
2829.1
3161.7
3485.3
3638.2
3439.6
2720.1
1541.2
484.4
140.4
73.0
37.7
13.1
0.0

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