

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: P946573

Luminaire Tested: **GALN-SB2A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946573
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-SB2A-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6808 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

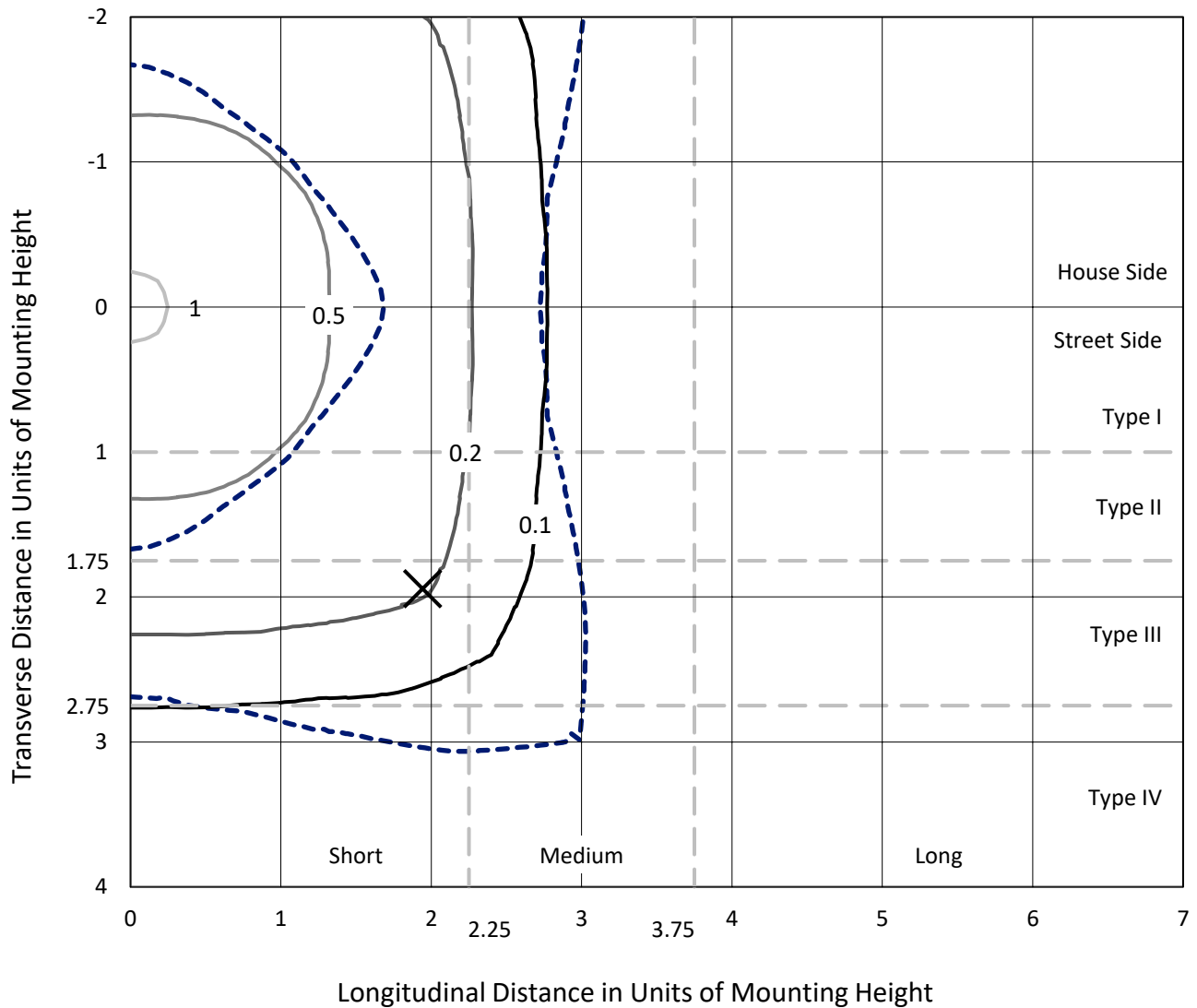
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P946573
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Iso-Footcandle Lines of Horizontal Illumination

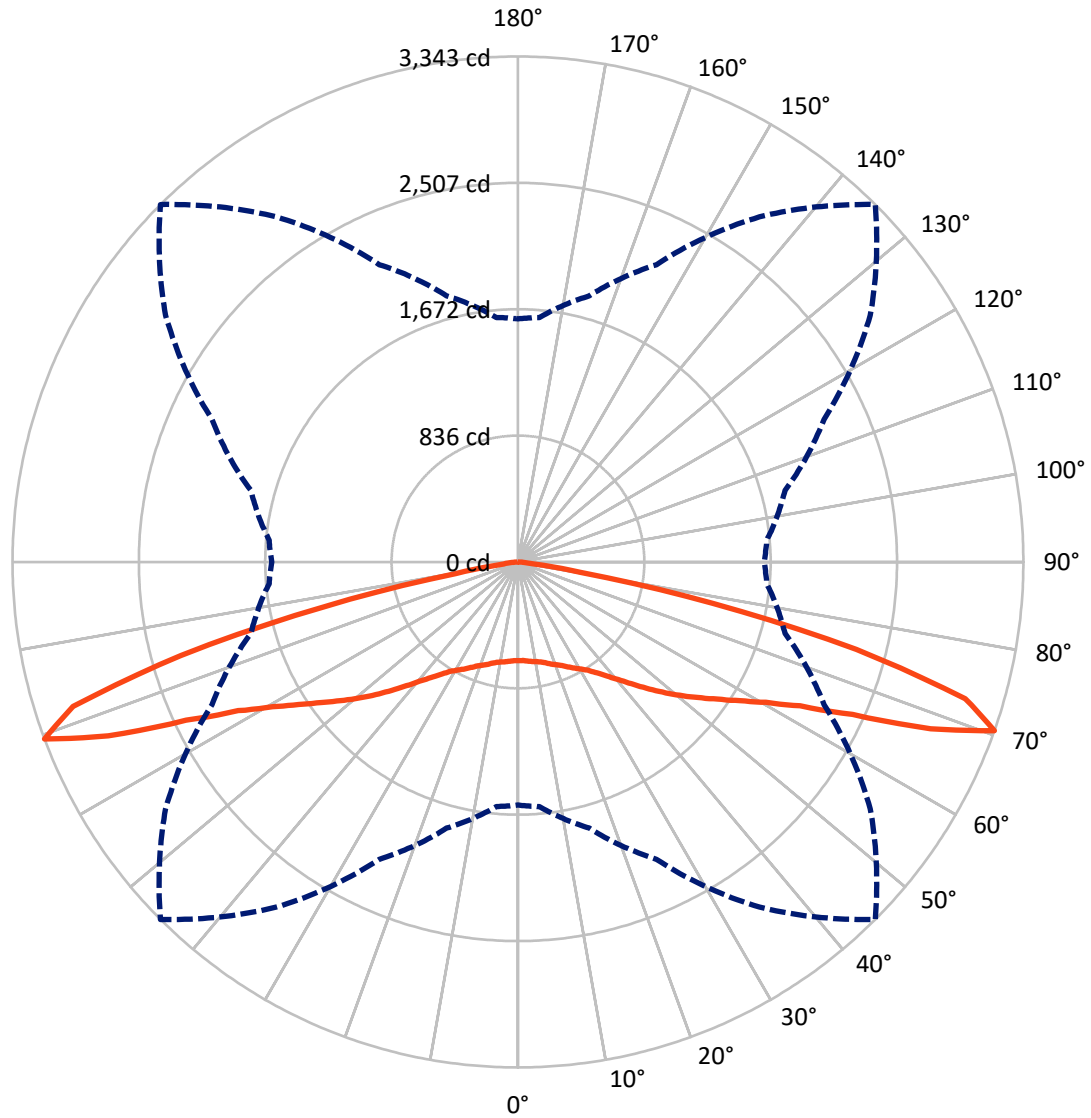
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

REPORT NUMBER: P946573
CATALOG NUMBER: GALN-SB2A-940-U-5MQ

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	3404.0	0.0	3404.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3404.0	0.0	3404.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6808.0	0.0	6808.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	0.9
10°-20°	196.5	2.9
20°-30°	351.1	5.2
30°-40°	569.1	8.4
40°-50°	927.0	13.6
50°-60°	1413.4	20.8
60°-70°	2102.6	30.9
70°-80°	1146.0	16.8
80°-90°	39.0	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°	6808.0	100.0
0°-180°	6808.0	100.0

Coefficient of Utilization



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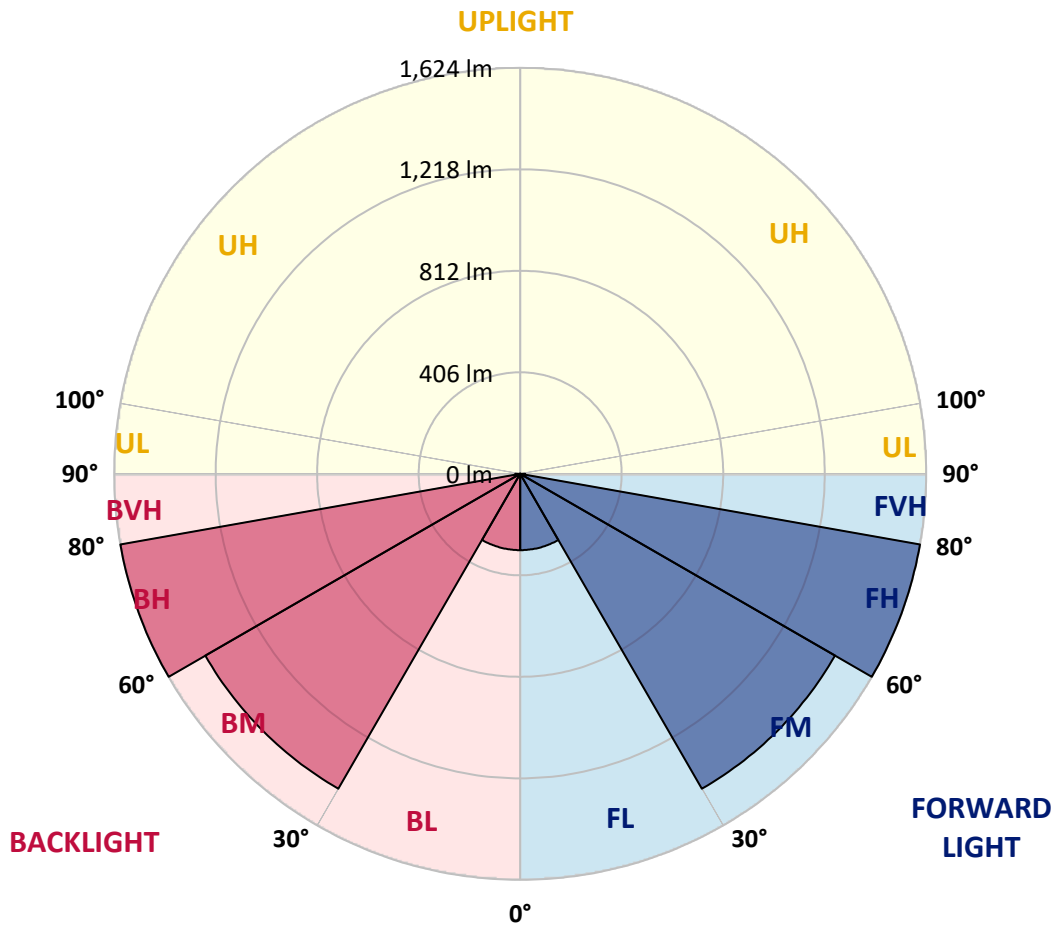
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	4.5			
FM (30°-60°)	1454.7	21.4			
FH (60°-80°)	1624.3	23.9			G1/1800
FVH (80°-90°)	19.5	0.3			G1/100
BL (0°-30°)	305.5	4.5	B1/500		
BM (30°-60°)	1454.7	21.4	B2/2500		
BH (60°-80°)	1624.3	23.9	B3/2500		G1/1800
BVH (80°-90°)	19.5	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°	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1	652.1
2.5°	655.2	655.9	654.5	653.8	653.2	652.1	652.5	654.2	655.6	655.2
5°	660.7	661.4	660.3	660.0	658.6	658.3	658.3	660.0	661.0	660.3
7.5°	666.8	667.9	666.1	665.8	665.1	664.4	664.1	665.8	666.8	666.8
10°	672.6	673.7	672.3	671.3	670.6	670.6	669.9	671.3	673.0	672.6
12.5°	678.8	679.5	678.1	677.4	677.4	678.5	677.4	678.1	679.5	678.8
15°	686.3	686.7	686.3	687.3	689.0	692.5	689.4	688.7	689.4	687.7
17.5°	696.6	697.3	698.6	701.0	703.4	709.6	704.1	702.4	702.4	699.0
20°	709.2	710.2	712.3	716.4	719.5	725.3	719.8	717.4	716.4	711.9
22.5°	722.5	724.3	727.3	732.8	738.3	743.7	738.3	734.2	731.1	725.3
25°	737.9	740.0	744.8	753.6	761.2	769.0	762.5	754.3	748.2	740.0
27.5°	759.8	762.2	768.0	778.9	788.5	795.3	789.2	778.6	770.1	760.1
30°	790.6	793.0	799.8	811.4	817.9	822.3	818.2	810.0	799.8	788.5
32.5°	830.2	833.3	840.8	851.7	853.1	853.8	852.4	848.3	840.8	827.1
35°	880.5	883.9	892.4	901.3	899.9	901.3	899.3	897.9	892.4	876.7
37.5°	942.0	946.1	955.0	961.8	958.4	956.7	957.0	957.4	954.3	936.8
40°	1013.4	1018.9	1025.4	1032.5	1026.7	1021.6	1025.0	1027.8	1025.0	1007.3
42.5°	1086.9	1094.8	1101.6	1111.8	1107.1	1100.6	1105.3	1108.4	1102.6	1083.5
45°	1168.6	1176.1	1185.0	1200.4	1196.9	1190.1	1196.9	1197.6	1187.7	1165.2
47.5°	1253.0	1260.9	1274.2	1294.7	1293.3	1285.8	1294.7	1289.9	1277.3	1250.3
50°	1333.0	1343.9	1364.4	1393.1	1395.9	1386.6	1398.6	1389.4	1368.2	1334.3
52.5°	1408.2	1419.8	1452.3	1491.2	1501.1	1489.2	1505.2	1489.2	1457.4	1414.0
55°	1487.1	1500.1	1538.7	1589.7	1609.5	1600.6	1615.6	1591.4	1546.3	1493.6
57.5°	1580.1	1588.0	1634.1	1694.6	1728.1	1730.1	1737.0	1696.0	1641.3	1581.5
60°	1680.9	1691.9	1742.1	1814.6	1867.5	1884.6	1877.5	1816.6	1753.0	1684.3
62.5°	1810.1	1822.1	1882.2	1969.1	2052.8	2095.2	2067.1	1979.0	1900.4	1818.0
65°	1917.1	1930.4	2039.1	2194.0	2346.4	2431.5	2361.1	2198.7	2057.2	1941.0
67.5°	1839.5	1855.9	2026.5	2310.8	2689.9	2943.8	2702.9	2345.7	2068.5	1910.9
70°	1607.8	1623.2	1822.1	2169.7	2786.6	3343.1	2844.7	2233.6	1828.6	1652.2
72.5°	1067.4	1117.0	1318.3	1735.3	2488.2	3093.5	2512.8	1700.1	1222.9	1065.0
75°	354.1	393.7	531.1	899.6	1666.6	2313.6	1586.6	796.0	420.7	302.8
77.5°	89.2	102.9	141.8	257.4	664.8	1317.3	598.5	210.2	114.5	80.0
80°	43.4	47.9	68.4	85.8	166.5	418.7	156.2	80.7	54.0	41.7
82.5°	23.9	24.3	38.6	48.5	61.9	108.3	64.3	47.2	31.1	25.3
85°	14.7	14.4	20.5	26.0	26.0	38.6	30.8	26.0	17.8	15.7
87.5°	5.8	5.8	7.5	8.2	7.2	9.9	7.9	8.5	6.8	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
652.1
655.6
660.7
666.8
672.6
678.5
687.7
699.0
711.9
724.9
739.6
759.8
788.5
827.5
876.7
936.8
1007.3
1084.8
1167.6
1248.6
1333.7
1409.9
1486.4
1573.3
1673.4
1803.6
1921.9
1887.4
1628.6
1030.5
286.4
71.4
38.3
25.3
16.4
6.8
0.0

OF REPORT)