

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: P944936

Luminaire Tested: **GALN-SB1A-750-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944936
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-SB1A-750-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4975 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

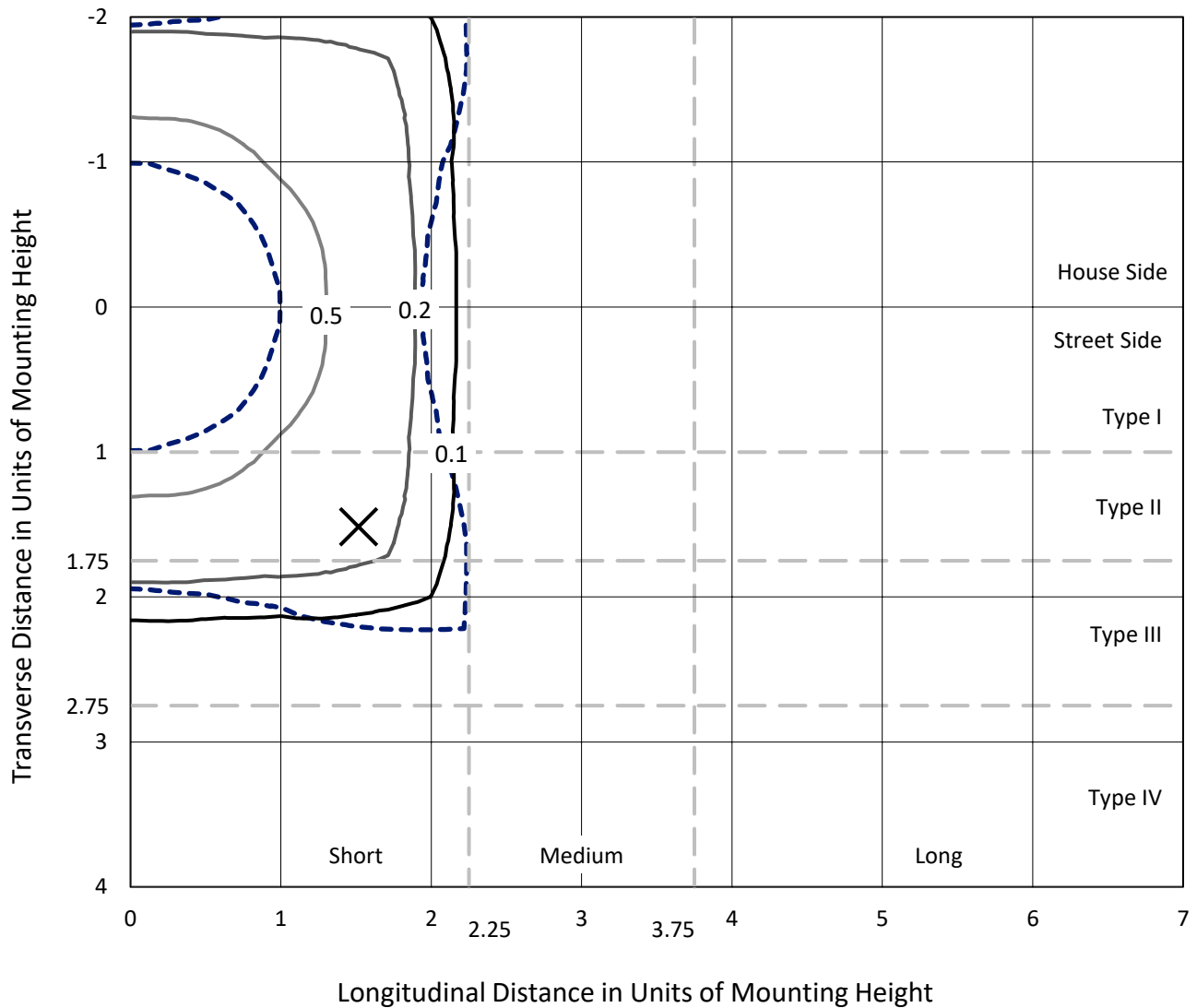
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

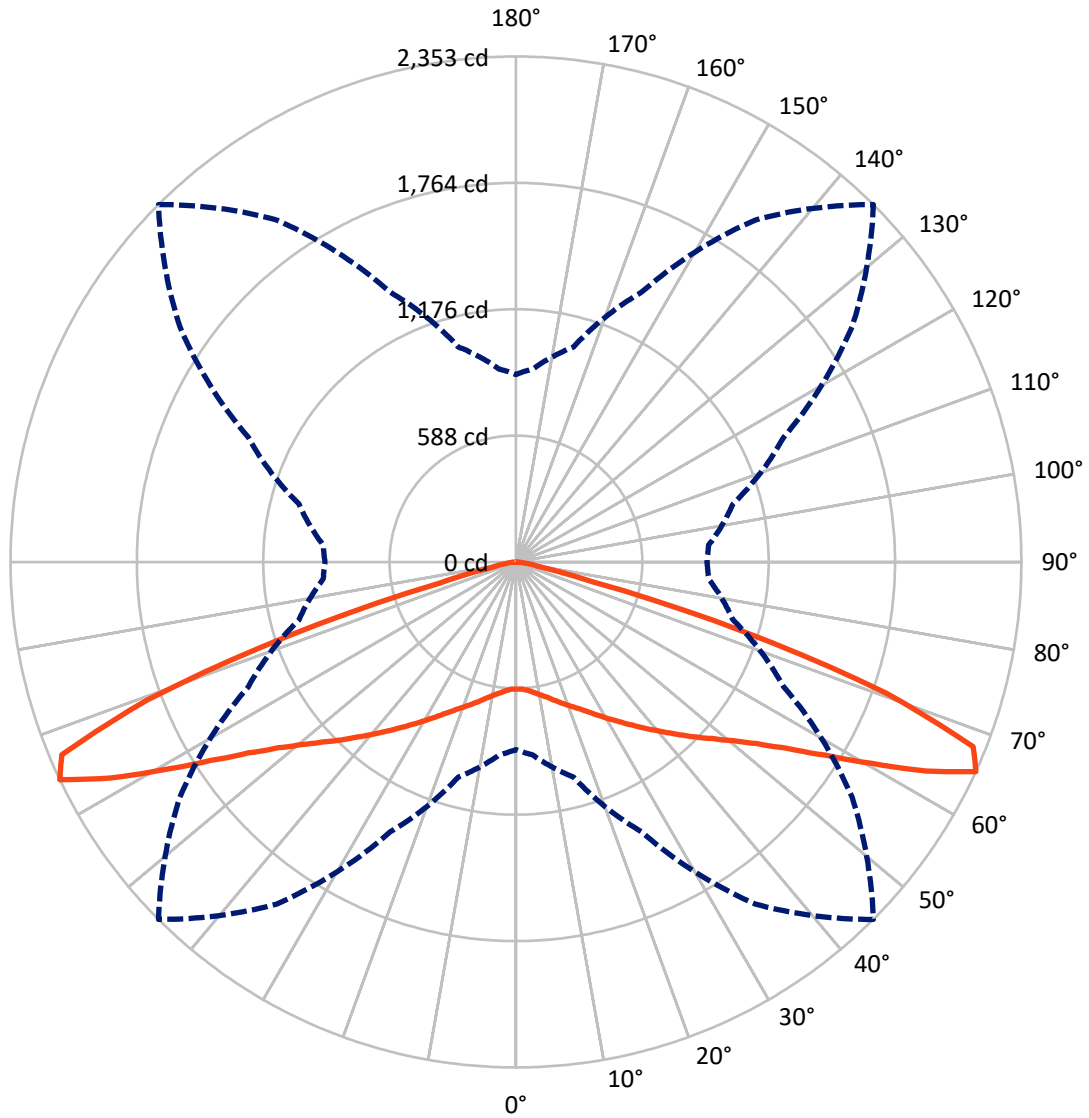
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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
House Side	Lumens	2487.5	0.0	2487.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2487.5	0.0	2487.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4975.0	0.0	4975.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.4	1.2
10°-20°	190.7	3.8
20°-30°	360.0	7.2
30°-40°	589.5	11.8
40°-50°	914.0	18.4
50°-60°	1350.2	27.1
60°-70°	1285.3	25.8
70°-80°	207.4	4.2
80°-90°	19.5	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°	4975.0	100.0
0°-180°	4975.0	100.0



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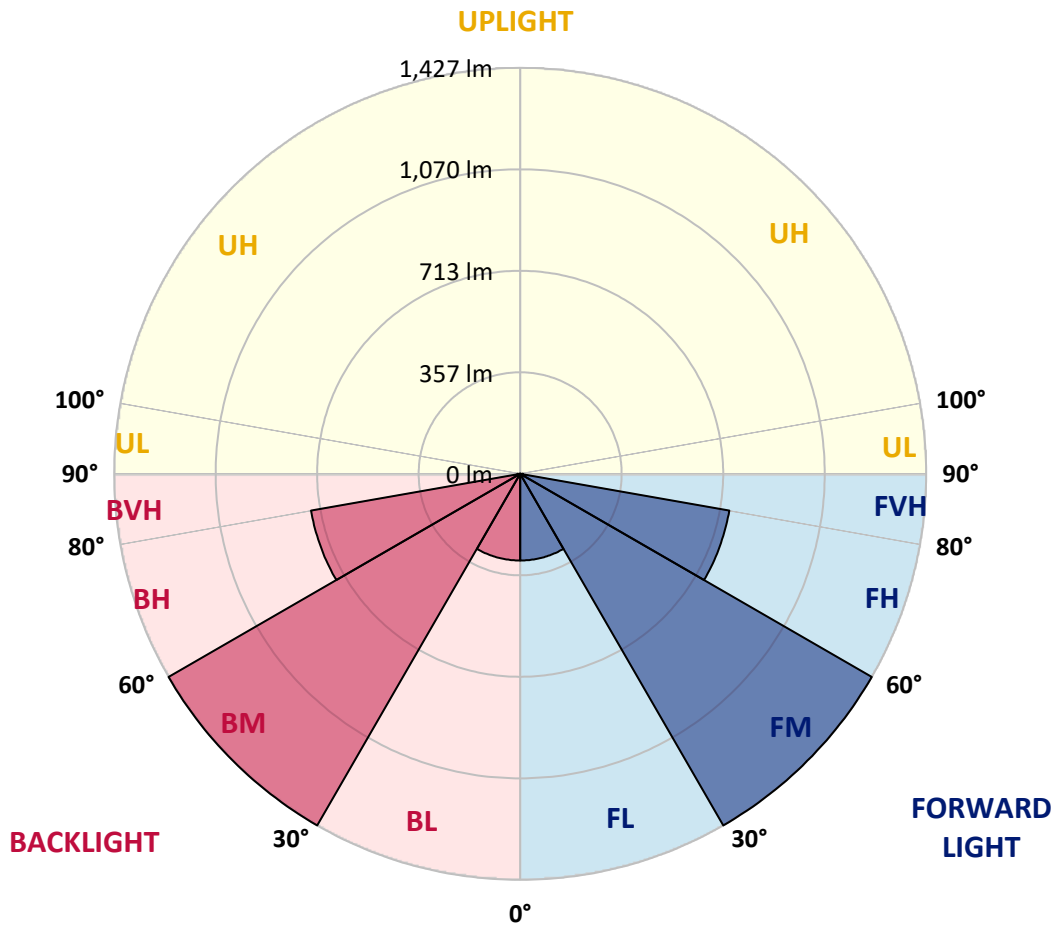
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.5	6.1			
FM (30°-60°)	1426.8	28.7			
FH (60°-80°)	746.3	15.0			G1/1800
FVH (80°-90°)	9.8	0.2			G0/10
BL (0°-30°)	304.5	6.1	B1/500		
BM (30°-60°)	1426.8	28.7	B2/2500		
BH (60°-80°)	746.3	15.0	B2/1000		G1/1800
BVH (80°-90°)	9.8	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-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1	592.1
2.5°	596.1	594.1	595.6	594.3	593.3	592.3	592.8	594.6	595.3	595.6
5°	604.1	602.3	603.1	603.1	601.3	600.8	601.1	602.3	603.8	603.8
7.5°	617.0	615.3	617.0	616.0	614.5	614.0	613.8	614.8	617.0	617.0
10°	632.8	630.8	631.8	631.3	629.5	628.8	628.5	630.0	632.0	631.8
12.5°	650.0	647.7	649.0	647.5	647.0	646.2	646.2	646.0	647.2	646.2
15°	669.2	667.7	668.2	667.2	668.0	667.5	665.5	664.5	665.0	663.5
17.5°	691.9	688.4	690.2	689.7	689.7	690.7	687.4	686.2	687.2	685.7
20°	718.1	714.6	715.4	714.4	713.1	714.1	710.1	711.1	711.9	710.9
22.5°	746.8	742.3	742.1	742.6	739.8	740.1	737.3	739.8	741.3	738.6
25°	776.3	771.5	774.8	773.5	770.0	770.8	768.8	771.3	772.5	769.0
27.5°	807.5	804.2	807.2	808.0	803.7	806.7	803.7	806.0	807.2	802.0
30°	843.9	840.7	843.4	845.4	840.4	845.2	842.7	844.2	844.4	838.2
32.5°	883.6	878.6	885.6	886.6	881.1	886.9	883.6	885.6	886.9	878.4
35°	932.0	925.8	933.8	932.5	927.8	932.5	929.5	932.5	935.5	925.3
37.5°	984.2	977.7	986.2	984.0	979.5	982.7	981.0	983.0	987.7	976.7
40°	1041.6	1033.6	1045.1	1041.1	1036.9	1036.4	1037.4	1038.6	1044.9	1032.6
42.5°	1103.0	1094.5	1111.8	1105.5	1099.5	1095.5	1098.8	1101.3	1107.3	1093.5
45°	1173.2	1163.4	1185.9	1178.4	1168.9	1160.7	1165.9	1169.7	1178.4	1161.9
47.5°	1250.5	1239.6	1263.5	1261.3	1245.8	1227.8	1239.8	1250.5	1257.0	1237.1
50°	1326.2	1317.7	1349.1	1351.9	1332.9	1307.7	1324.4	1340.7	1342.4	1316.2
52.5°	1397.1	1388.6	1434.3	1451.5	1434.5	1404.6	1422.3	1438.8	1425.5	1391.6
55°	1453.7	1446.7	1504.9	1549.3	1555.1	1530.4	1540.8	1540.3	1496.9	1444.7
57.5°	1467.5	1466.5	1539.8	1633.9	1693.9	1696.8	1676.1	1623.2	1529.6	1459.5
60°	1405.1	1411.3	1512.1	1678.1	1837.9	1904.3	1814.7	1663.7	1492.4	1395.1
62.5°	1218.3	1234.8	1356.4	1624.2	1954.2	2142.9	1925.7	1602.2	1339.7	1212.6
65°	873.1	901.8	1036.1	1386.1	1943.7	2352.6	1909.8	1374.9	1046.1	899.6
67.5°	396.1	425.3	539.4	949.0	1689.6	2295.7	1685.6	959.0	566.4	426.8
70°	143.5	148.5	185.2	379.9	1079.8	1829.1	1126.0	382.7	196.9	158.3
72.5°	86.9	87.6	95.4	136.0	375.2	1110.5	391.1	140.5	97.3	86.4
75°	55.2	54.7	67.9	83.1	133.0	374.7	139.5	83.1	67.6	61.7
77.5°	39.7	40.9	48.7	62.2	83.9	127.1	82.4	59.4	48.7	39.9
80°	29.7	30.5	35.4	48.4	58.9	79.1	52.4	43.9	36.7	25.0
82.5°	21.5	21.5	23.2	35.2	35.9	42.7	28.5	31.0	24.2	17.7
85°	12.7	12.5	14.5	21.0	18.7	15.7	13.0	19.0	15.2	11.0
87.5°	4.5	4.7	4.5	6.0	5.0	4.2	4.0	5.2	4.2	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
592.1
595.6
603.8
616.3
631.3
646.7
663.7
686.9
713.1
741.3
773.0
806.0
841.9
884.1
931.5
983.5
1036.6
1100.8
1170.4
1243.8
1319.4
1392.6
1446.5
1455.0
1383.6
1205.1
888.9
420.6
156.3
87.9
62.2
40.7
25.7
17.7
10.7
3.5
0.0

OF REPORT)