

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: P948001

Luminaire Tested: **GALN-SB3A-940-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948001
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-SB3A-940-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 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: 10214 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

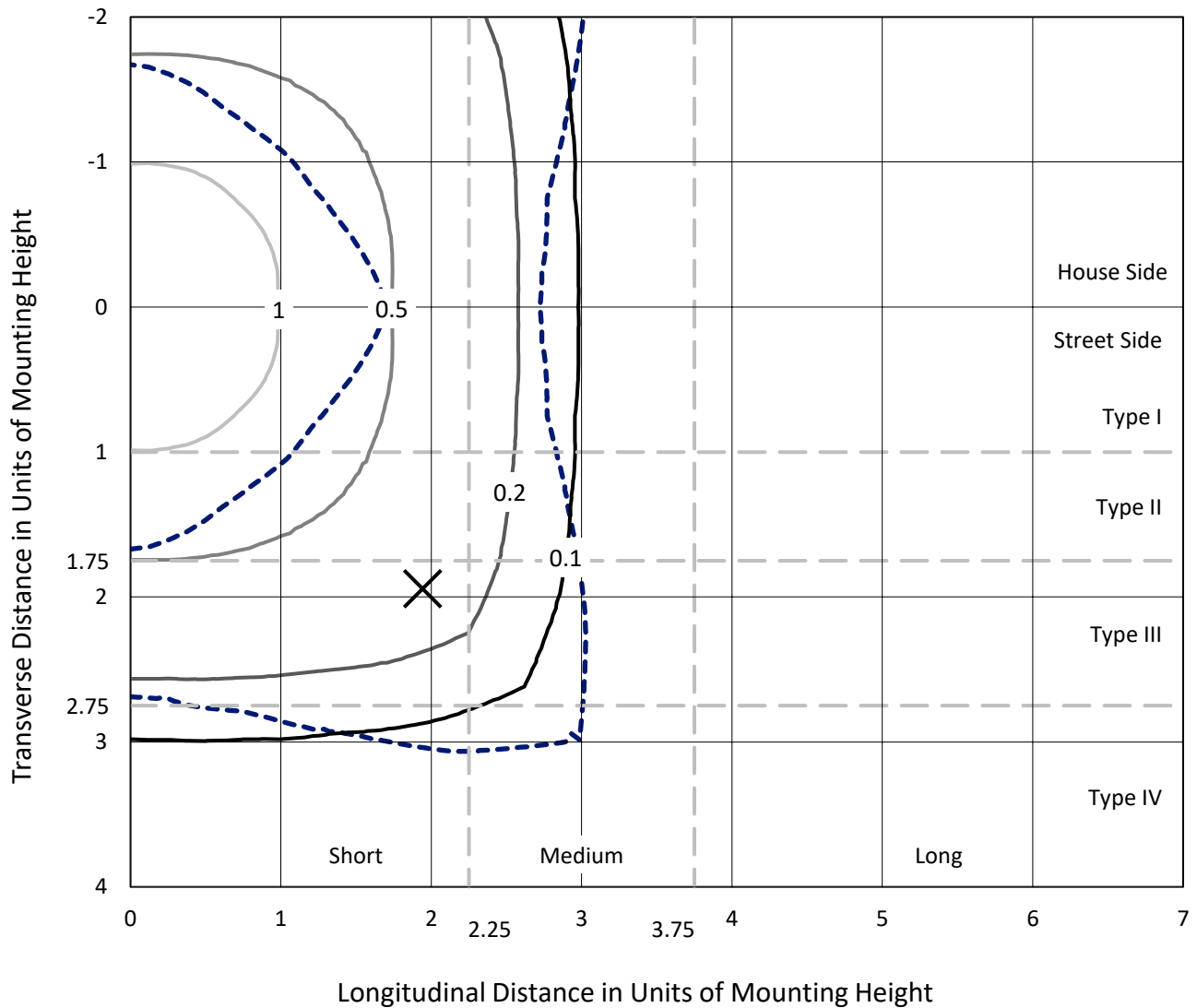
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

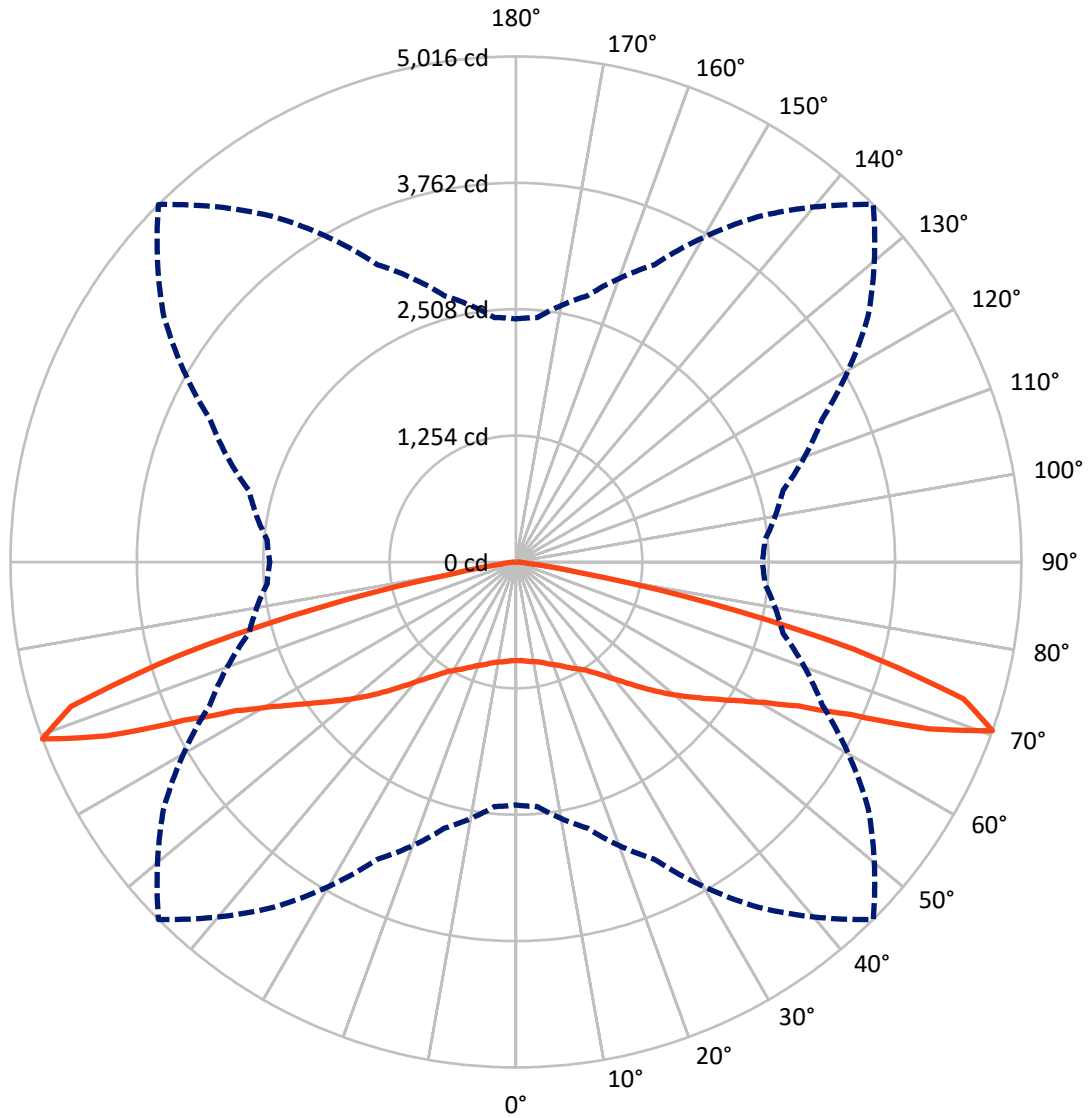
✕ Max cd
 - - - 1/2 Max cd



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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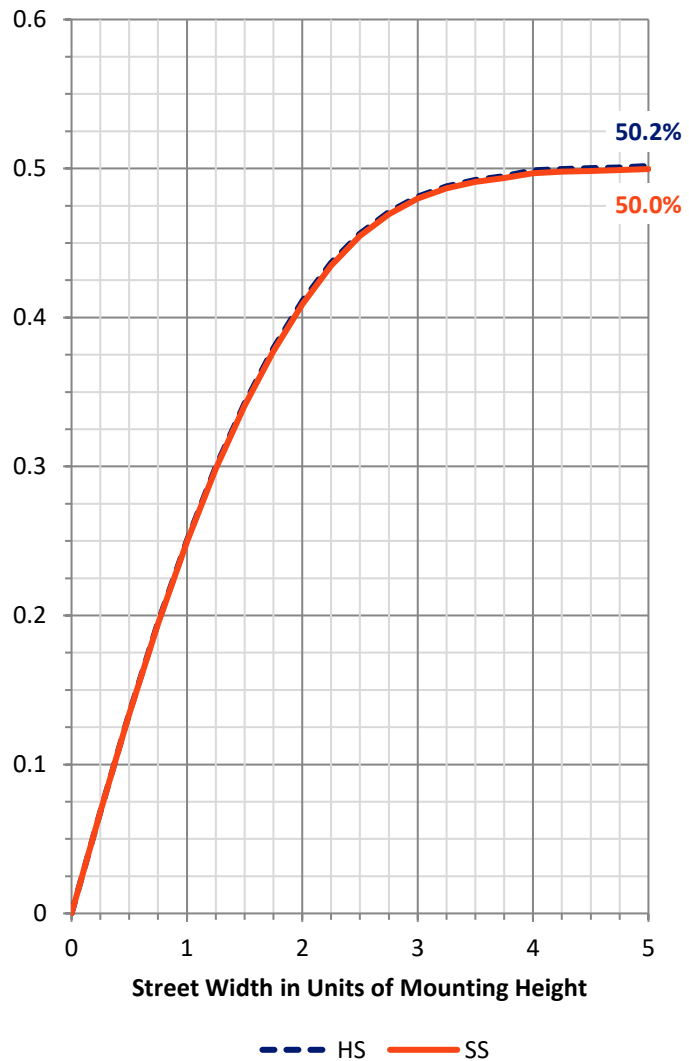
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5107.0	0.0	5107.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5107.0	0.0	5107.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10214.0	0.0	10214.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.0	0.9
10°-20°	294.7	2.9
20°-30°	526.7	5.2
30°-40°	853.8	8.4
40°-50°	1390.8	13.6
50°-60°	2120.4	20.8
60°-70°	3154.5	30.9
70°-80°	1719.3	16.8
80°-90°	58.6	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°	10214.0	100.0
0°-180°	10214.0	100.0

Coefficient of Utilization



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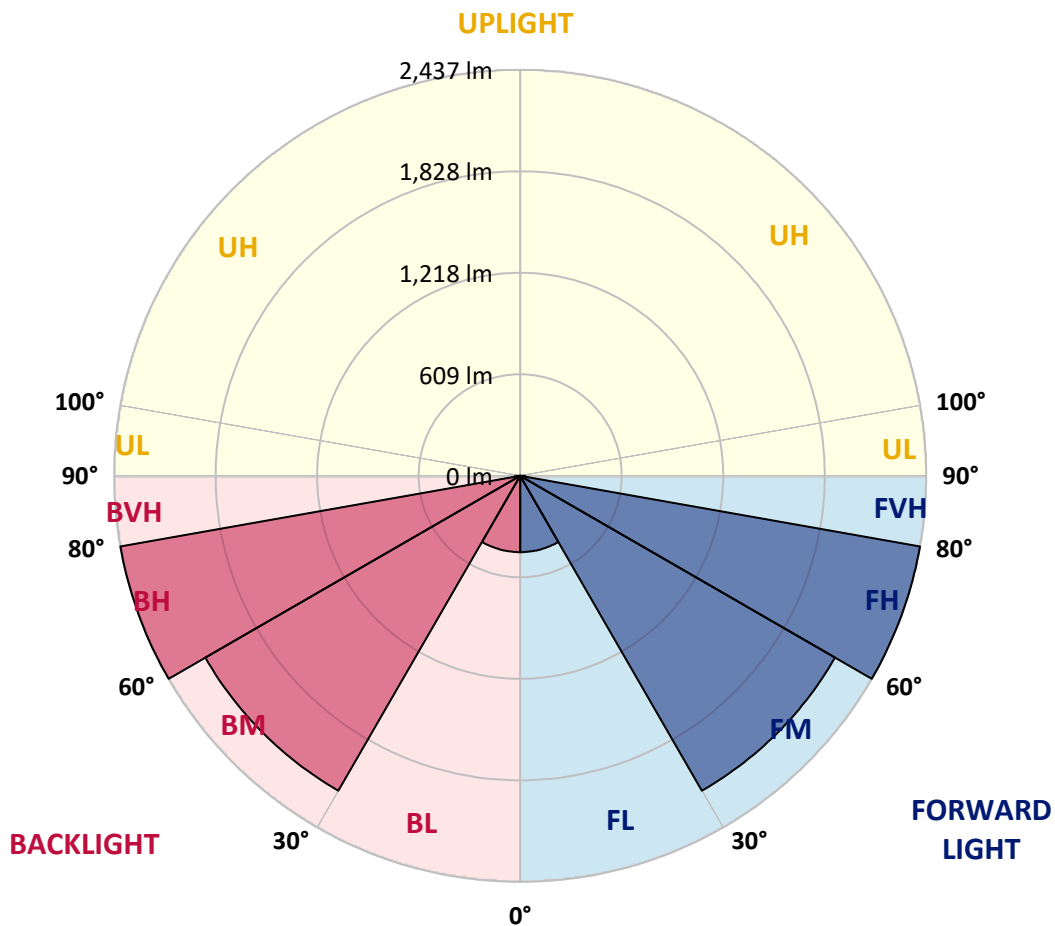
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	458.3	4.5			
FM (30°-60°)	2182.5	21.4			
FH (60°-80°)	2436.9	23.9			G2/5000
FVH (80°-90°)	29.3	0.3			G1/100
BL (0°-30°)	458.3	4.5	B1/500		
BM (30°-60°)	2182.5	21.4	B2/2500		
BH (60°-80°)	2436.9	23.9	B3/2500		G2/5000
BVH (80°-90°)	29.3	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-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4	978.4
2.5°	983.0	984.0	982.0	981.0	979.9	978.4	978.9	981.5	983.5	983.0
5°	991.2	992.2	990.7	990.2	988.1	987.6	987.6	990.2	991.7	990.7
7.5°	1000.4	1002.0	999.4	998.9	997.9	996.9	996.3	998.9	1000.4	1000.4
10°	1009.2	1010.7	1008.6	1007.1	1006.1	1006.1	1005.1	1007.1	1009.7	1009.2
12.5°	1018.4	1019.4	1017.4	1016.3	1016.3	1017.9	1016.3	1017.4	1019.4	1018.4
15°	1029.7	1030.2	1029.7	1031.2	1033.8	1038.9	1034.3	1033.3	1034.3	1031.7
17.5°	1045.1	1046.1	1048.1	1051.7	1055.3	1064.5	1056.3	1053.8	1053.8	1048.6
20°	1064.0	1065.6	1068.6	1074.8	1079.4	1088.1	1079.9	1076.3	1074.8	1068.1
22.5°	1084.0	1086.6	1091.2	1099.4	1107.6	1115.8	1107.6	1101.5	1096.8	1088.1
25°	1107.1	1110.2	1117.4	1130.7	1142.0	1153.8	1144.0	1131.7	1122.5	1110.2
27.5°	1139.9	1143.5	1152.2	1168.6	1183.0	1193.3	1184.0	1168.1	1155.3	1140.4
30°	1186.1	1189.7	1199.9	1217.4	1227.1	1233.8	1227.6	1215.3	1199.9	1183.0
32.5°	1245.6	1250.2	1261.5	1277.9	1279.9	1280.9	1278.9	1272.7	1261.5	1240.9
35°	1320.9	1326.1	1338.9	1352.2	1350.2	1352.2	1349.1	1347.1	1338.9	1315.3
37.5°	1413.2	1419.4	1432.7	1443.0	1437.9	1435.3	1435.8	1436.3	1431.7	1405.5
40°	1520.4	1528.6	1538.4	1549.1	1540.4	1532.7	1537.8	1541.9	1537.8	1511.2
42.5°	1630.7	1642.5	1652.7	1668.1	1660.9	1651.2	1658.3	1663.0	1654.2	1625.5
45°	1753.2	1764.5	1777.8	1800.9	1795.8	1785.5	1795.8	1796.8	1781.9	1748.1
47.5°	1879.9	1891.7	1911.7	1942.4	1940.4	1929.1	1942.4	1935.3	1916.3	1875.8
50°	1999.9	2016.3	2047.0	2090.1	2094.2	2080.4	2098.3	2084.5	2052.7	2001.9
52.5°	2112.7	2130.1	2178.8	2237.3	2252.2	2234.2	2258.3	2234.2	2186.5	2121.4
55°	2231.1	2250.6	2308.6	2385.0	2414.7	2401.4	2423.9	2387.5	2319.8	2240.9
57.5°	2370.6	2382.4	2451.6	2542.4	2592.6	2595.7	2606.0	2544.4	2462.4	2372.7
60°	2521.9	2538.3	2613.7	2722.4	2801.9	2827.5	2816.7	2725.5	2630.1	2527.0
62.5°	2715.7	2733.7	2823.9	2954.2	3079.8	3143.4	3101.3	2969.0	2851.1	2727.5
65°	2876.2	2896.2	3059.3	3291.6	3520.3	3648.0	3542.3	3298.8	3086.5	2912.1
67.5°	2759.8	2784.4	3040.3	3466.9	4035.6	4416.6	4055.1	3519.2	3103.4	2867.0
70°	2412.1	2435.2	2733.7	3255.2	4180.7	5015.6	4267.9	3351.1	2743.4	2478.8
72.5°	1601.4	1675.8	1977.8	2603.4	3733.1	4641.2	3770.0	2550.6	1834.7	1597.8
75°	531.2	590.7	796.9	1349.7	2500.3	3471.0	2380.4	1194.3	631.2	454.3
77.5°	133.8	154.3	212.8	386.1	997.4	1976.3	897.9	315.4	171.8	120.0
80°	65.1	71.8	102.6	128.7	249.7	628.2	234.3	121.0	81.0	62.6
82.5°	35.9	36.4	57.9	72.8	92.8	162.6	96.4	70.8	46.7	37.9
85°	22.0	21.5	30.8	39.0	39.0	57.9	46.2	39.0	26.7	23.6
87.5°	8.7	8.7	11.3	12.3	10.8	14.9	11.8	12.8	10.3	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
978.4
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1405.5
1511.2
1627.6
1751.7
1873.2
2000.9
2115.2
2230.1
2360.4
2510.6
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