

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: P945149

Luminaire Tested: **GALN-SB1A-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1A-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3348 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

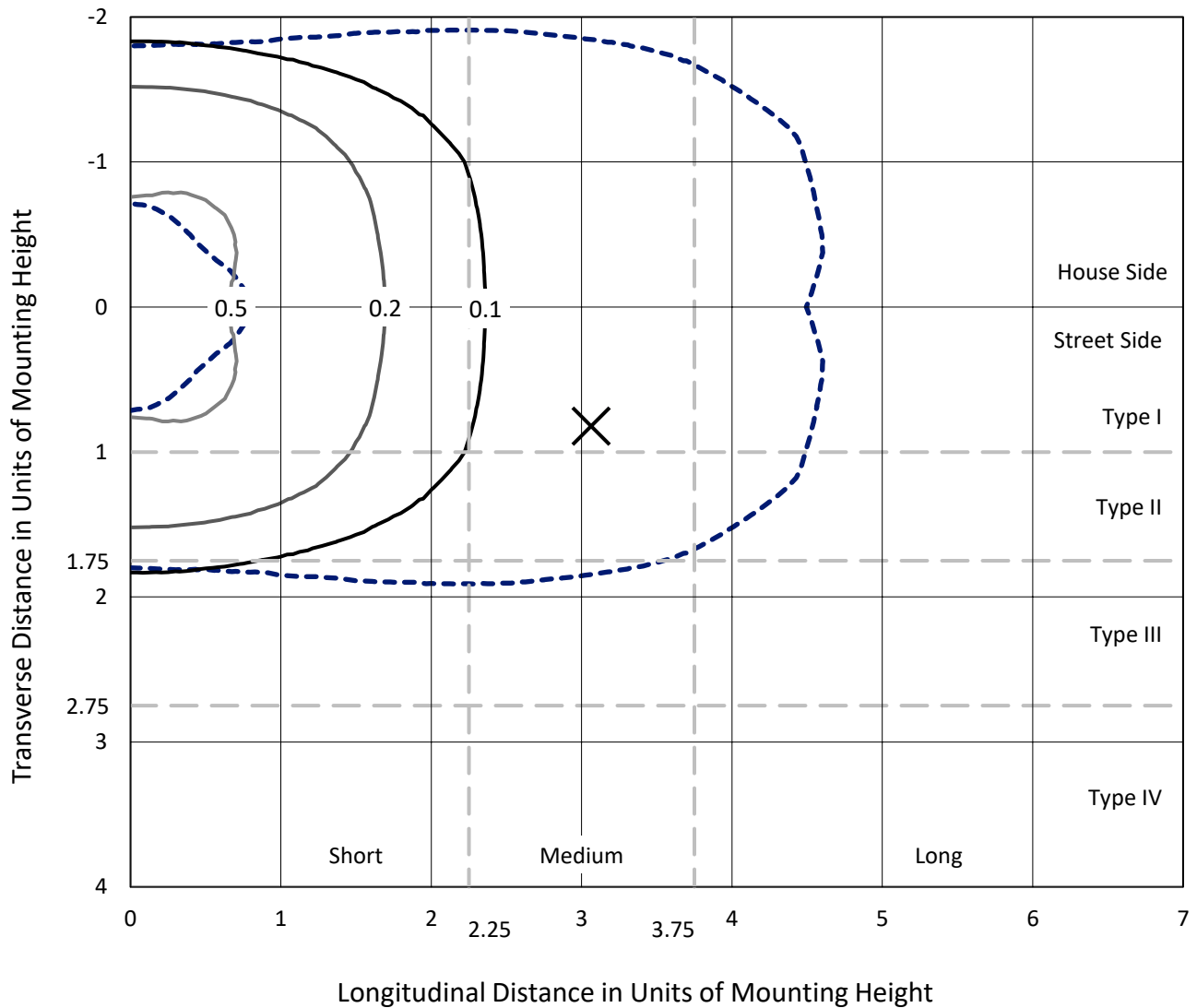
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P945149
 CATALOG NUMBER: GALN-SB1A-940-U-RW

Iso-Footcandle Lines of Horizontal Illumination

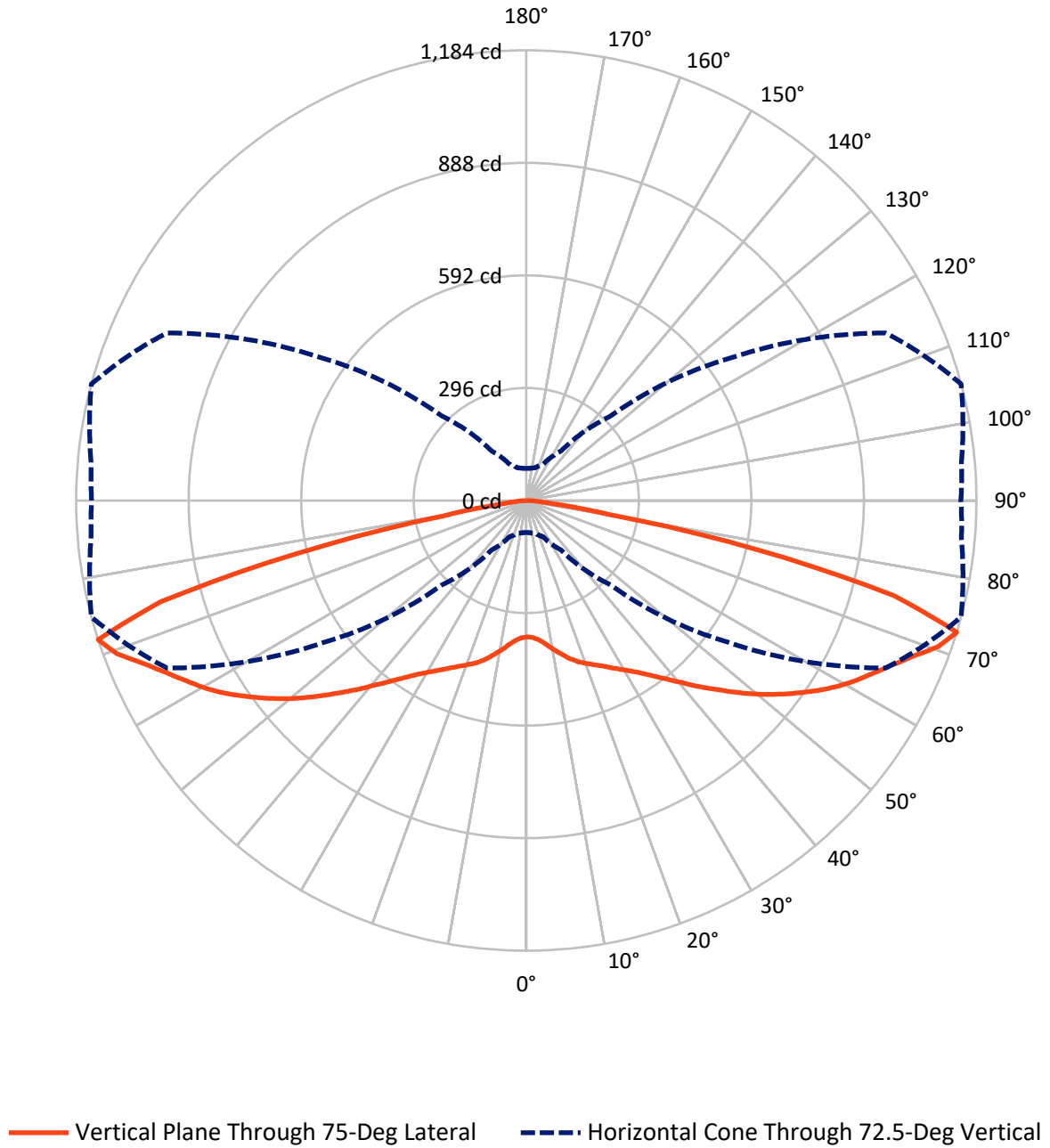
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P945149
CATALOG NUMBER: GALN-SB1A-940-U-RW

Luminous Intensity Polar Plot



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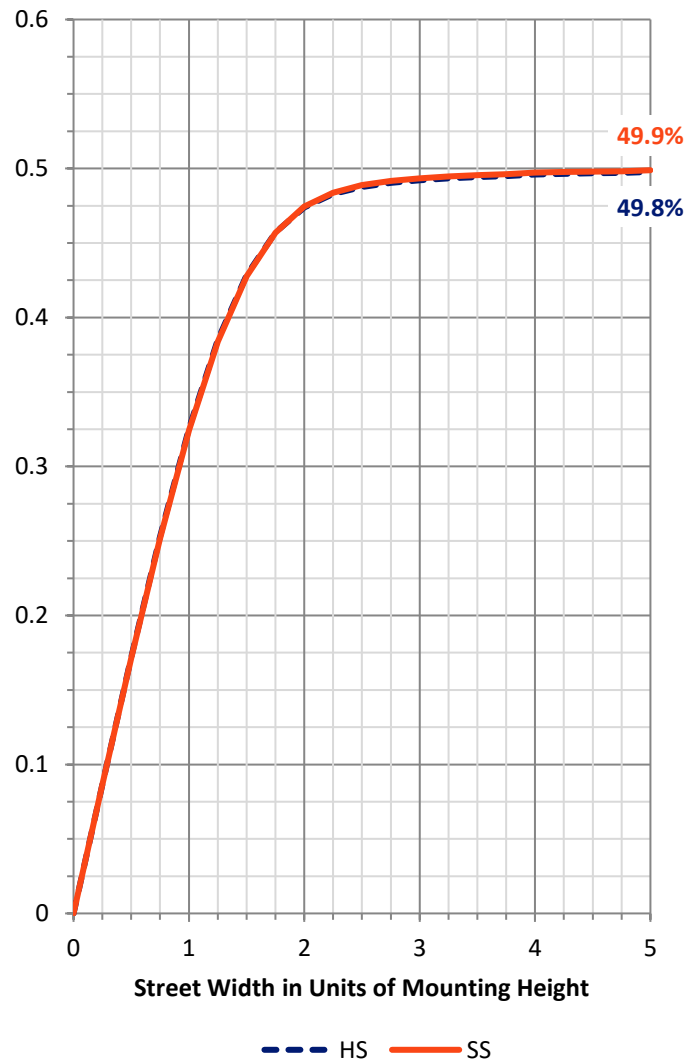
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1674.0	0.0	1674.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1674.0	0.0	1674.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3348.0	0.0	3348.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	1.0
10°-20°	115.9	3.5
20°-30°	223.9	6.7
30°-40°	378.1	11.3
40°-50°	599.5	17.9
50°-60°	802.7	24.0
60°-70°	763.9	22.8
70°-80°	398.6	11.9
80°-90°	30.2	0.9
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°	3348.0	100.0
0°-180°	3348.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945149

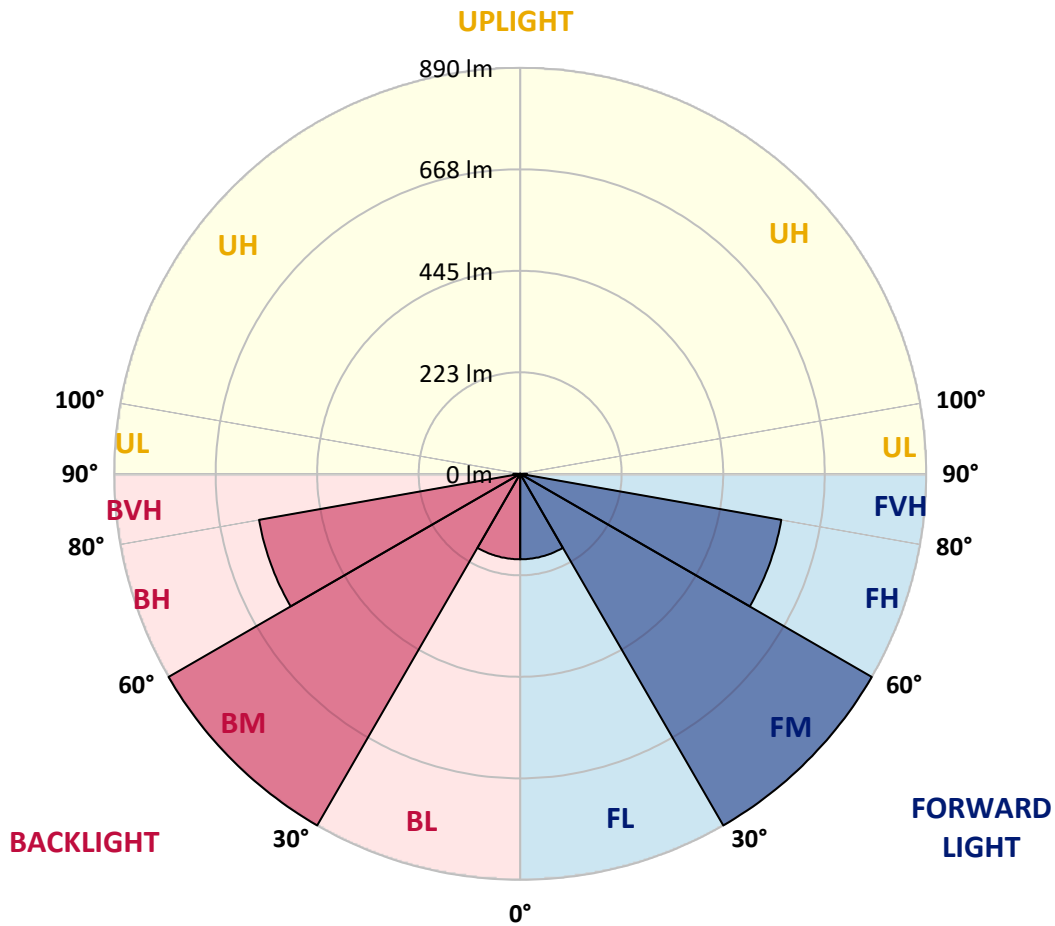
CATALOG NUMBER: GALN-SB1A-940-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.4	5.6			
FM (30°-60°)	890.2	26.6			
FH (60°-80°)	581.3	17.4			G0/660
FVH (80°-90°)	15.1	0.5			G1/100
BL (0°-30°)	187.4	5.6	B1/500		
BM (30°-60°)	890.2	26.6	B1/1000		
BH (60°-80°)	581.3	17.4	B2/1000		G2/1000
BVH (80°-90°)	15.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium



REPORT NUMBER: P945149

CATALOG NUMBER: GALN-SB1A-940-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	358.6	358.6	358.6	358.6	358.6	358.6	358.6	358.6	358.6	358.6
2.5°	358.6	358.3	358.6	359.0	358.8	358.8	359.7	360.2	361.2	361.0
5°	356.2	356.1	357.4	359.0	360.2	362.2	364.8	366.7	369.1	369.6
7.5°	355.0	354.5	356.9	359.7	363.4	368.5	373.5	378.6	382.7	384.1
10°	355.9	356.1	359.3	364.4	370.4	377.6	384.6	393.3	399.1	400.5
12.5°	359.8	359.5	365.0	373.2	381.4	390.4	398.6	408.2	414.5	417.8
15°	367.0	366.3	374.0	386.2	398.1	408.7	415.4	424.4	431.8	435.9
17.5°	375.6	375.9	386.0	401.7	417.4	429.4	435.7	440.3	446.0	449.6
20°	390.6	391.3	402.6	421.2	439.1	452.8	457.9	456.2	457.8	460.5
22.5°	410.8	411.1	423.8	443.9	462.7	477.8	481.2	474.2	469.9	471.8
25°	434.2	436.4	449.1	469.7	489.1	503.4	505.0	494.4	483.8	484.3
27.5°	462.7	464.8	477.6	498.1	517.8	530.3	530.1	515.9	500.3	496.4
30°	493.7	495.9	509.1	530.3	548.5	559.5	557.1	540.2	517.9	510.6
32.5°	530.4	531.8	545.1	566.3	583.2	592.0	587.0	566.2	538.5	530.1
35°	574.9	576.9	586.8	606.8	621.7	628.9	620.5	595.9	564.8	555.4
37.5°	625.6	624.3	635.6	653.3	665.6	670.1	658.6	629.4	594.9	583.8
40°	678.6	677.9	690.3	707.3	714.0	716.7	699.8	667.9	629.6	617.6
42.5°	726.7	726.2	742.7	761.7	769.7	766.7	745.3	708.7	669.7	656.1
45°	765.1	764.4	784.8	811.4	827.2	822.0	793.3	753.8	710.4	696.2
47.5°	794.7	795.0	816.9	849.9	877.4	879.3	842.4	799.8	755.2	739.1
50°	816.1	817.1	840.5	877.1	914.7	931.3	892.5	847.0	801.5	783.4
52.5°	821.4	823.2	851.4	894.4	938.6	970.3	943.4	892.3	845.5	828.2
55°	793.2	796.9	832.6	893.0	953.3	995.9	988.2	938.3	889.7	872.0
57.5°	728.4	733.7	775.4	854.2	950.1	1013.5	1022.9	982.4	934.0	916.9
60°	637.6	643.9	683.9	769.9	904.3	1020.0	1047.3	1025.3	974.7	958.1
62.5°	500.7	508.9	556.7	657.6	807.5	989.7	1068.2	1064.1	1011.3	990.6
65°	321.2	329.9	380.3	499.5	678.5	897.1	1074.7	1101.9	1049.9	1021.0
67.5°	193.7	197.6	222.6	302.7	495.9	757.4	1019.7	1143.8	1095.0	1059.1
70°	123.9	126.2	141.0	177.8	280.3	552.6	883.2	1151.6	1149.7	1098.3
72.5°	84.1	84.8	88.7	105.3	158.6	314.0	651.4	1042.6	1183.9	1148.7
75°	61.5	65.3	71.6	74.5	90.1	156.9	373.3	732.5	997.8	1013.2
77.5°	45.8	46.0	54.7	58.1	64.3	83.6	157.9	408.9	619.5	650.4
80°	38.8	36.8	36.6	46.8	48.4	52.1	70.6	141.2	221.9	134.5
82.5°	32.3	30.1	27.2	36.6	33.0	32.0	30.6	57.4	70.6	34.7
85°	22.6	21.5	20.5	23.9	18.8	16.1	14.7	26.8	29.7	14.7
87.5°	9.7	10.1	10.3	10.6	7.9	5.6	5.6	7.5	7.5	5.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
358.6
360.9
369.6
384.4
401.9
419.1
437.4
451.3
462.6
473.2
485.1
497.6
511.5
532.1
556.7
585.8
621.5
659.5
699.5
743.9
788.9
832.6
876.9
920.9
961.7
993.0
1024.6
1061.9
1097.9
1143.2
975.9
580.2
101.7
29.6
13.0
4.3
0.0

OF REPORT)