

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: P944872

Luminaire Tested: **GALN-SB1A-730-U-5MQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944872
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-SB1A-730-U-5MQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4699 lumens
Efficiency: N/A
Efficacy: 152.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - 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

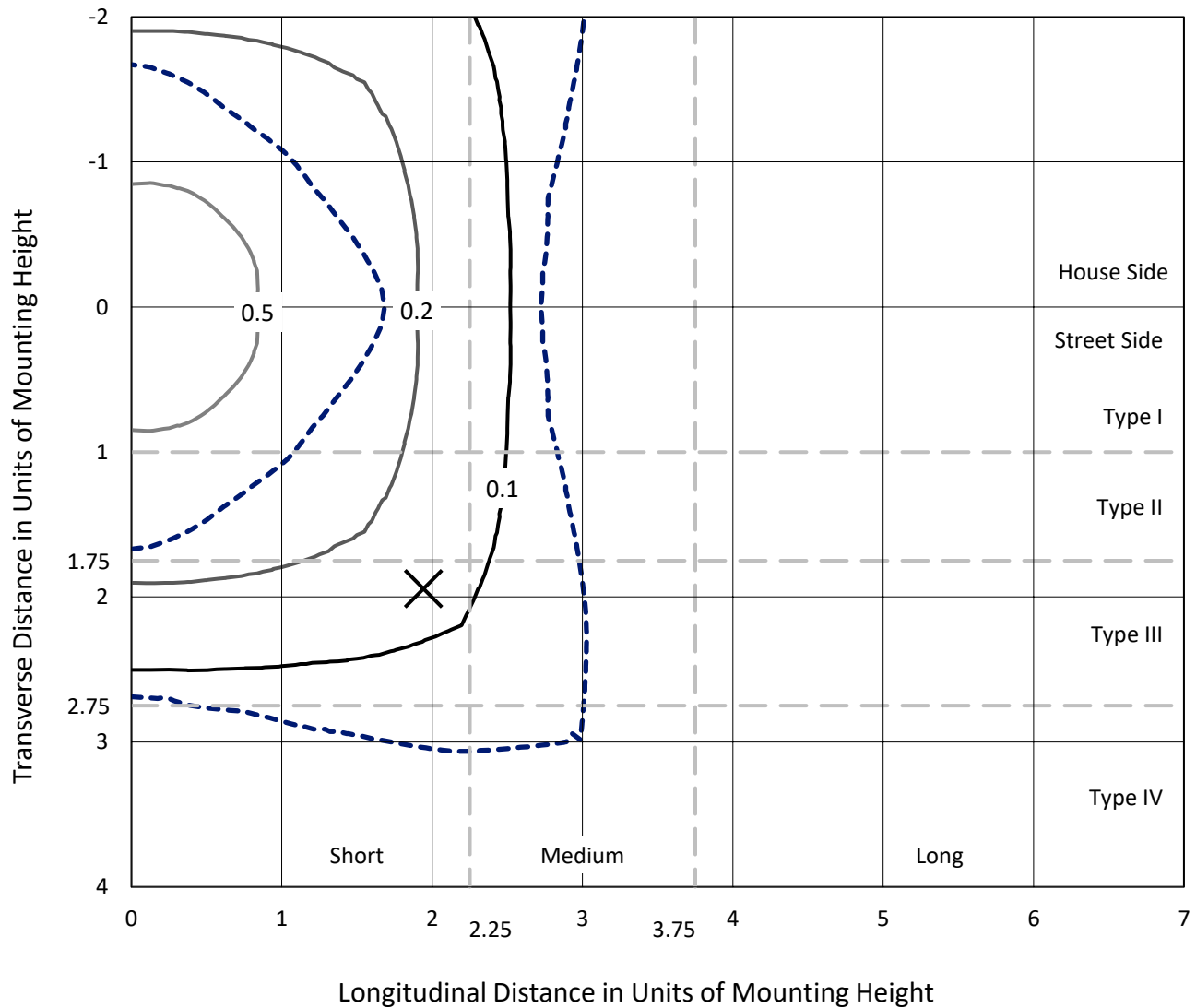


REPORT NUMBER: P944872

CATALOG NUMBER: GALN-SB1A-730-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

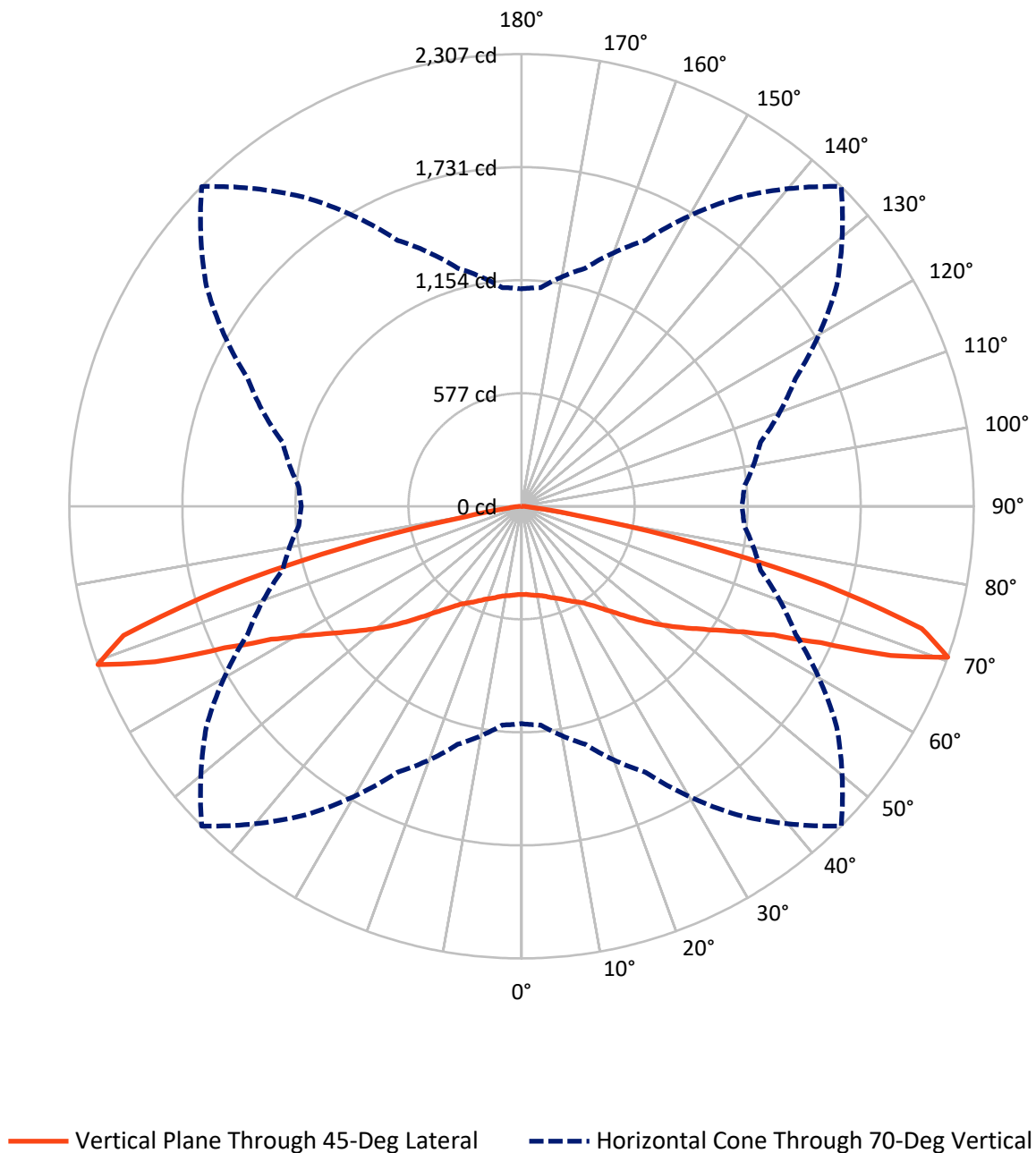


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
Type V - Short - N/A

REPORT NUMBER: P944872

CATALOG NUMBER: GALN-SB1A-730-U-5MQ

Luminous Intensity Polar Plot



REPORT NUMBER: P944872

CATALOG NUMBER: GALN-SB1A-730-U-5MQ

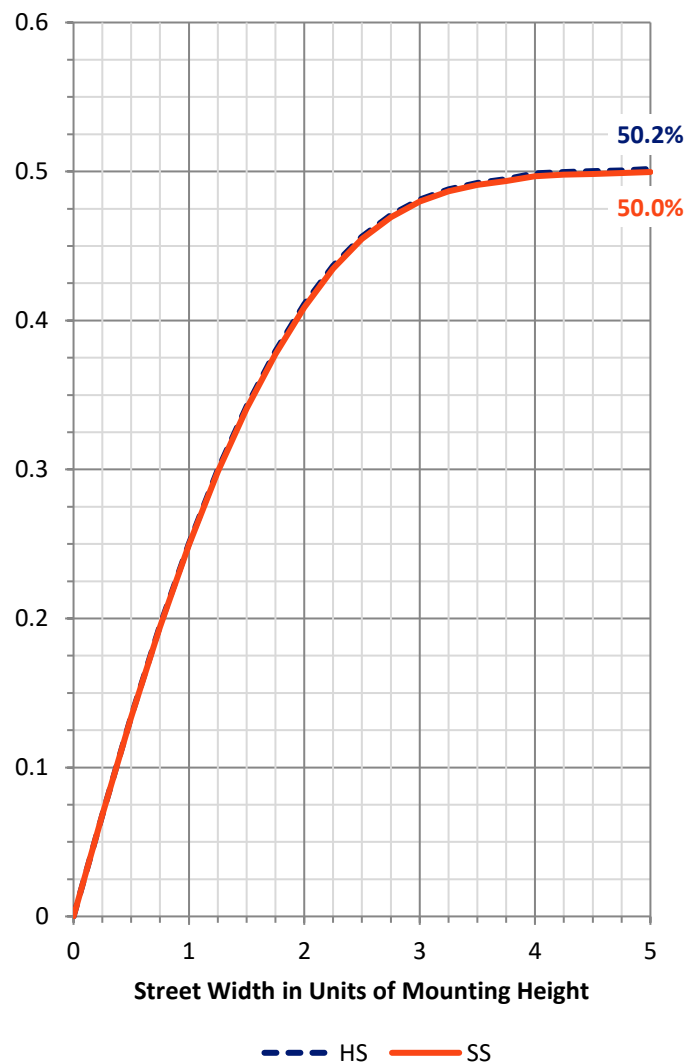
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2349.5	0.0	2349.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2349.5	0.0	2349.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4699.0	0.0	4699.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	0.9
10°-20°	135.6	2.9
20°-30°	242.3	5.2
30°-40°	392.8	8.4
40°-50°	639.8	13.6
50°-60°	975.5	20.8
60°-70°	1451.3	30.9
70°-80°	791.0	16.8
80°-90°	26.9	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°	4699.0	100.0
0°-180°	4699.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944872

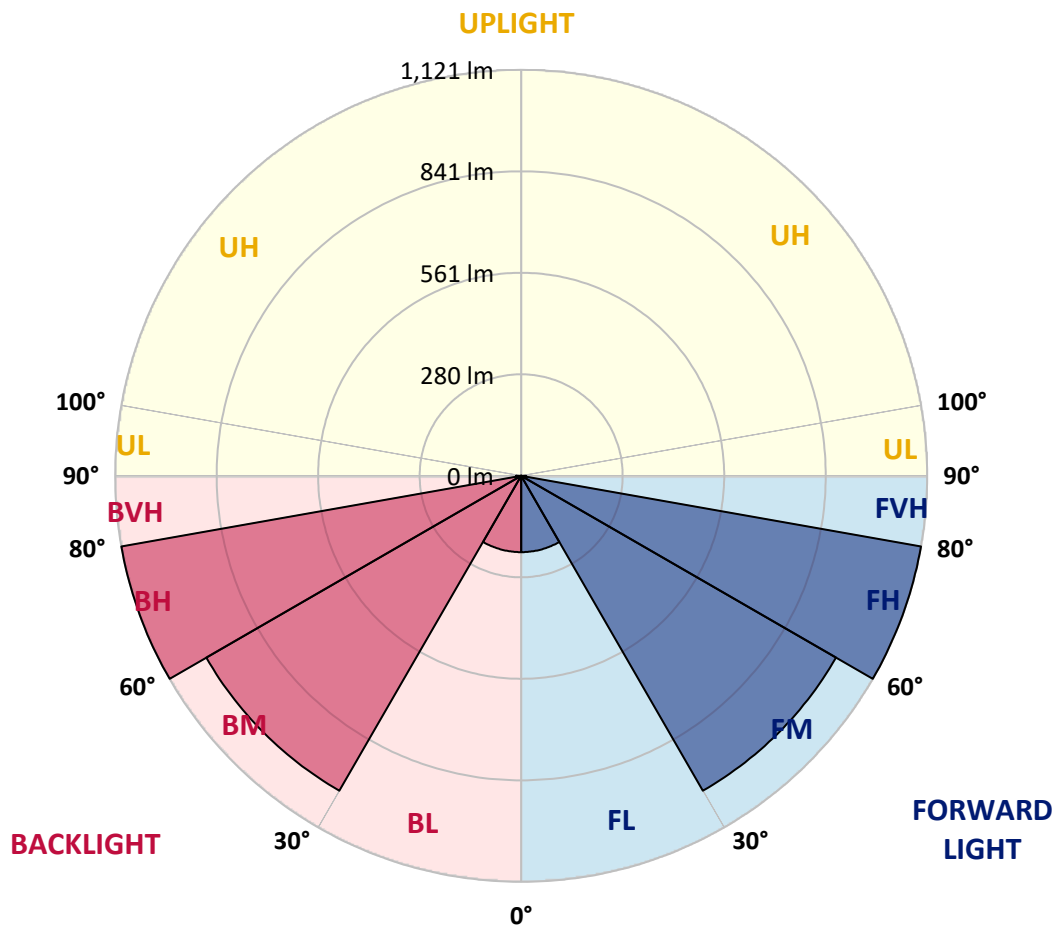
CATALOG NUMBER: GALN-SB1A-730-U-5MQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	210.8	4.5			
FM	(30°-60°)	1004.1	21.4			
FH	(60°-80°)	1121.1	23.9			G1/1800
FVH	(80°-90°)	13.5	0.3			G1/100
BL	(0°-30°)	210.8	4.5	B1/500		
BM	(30°-60°)	1004.1	21.4	B2/2500		
BH	(60°-80°)	1121.1	23.9	B3/2500		G1/1800
BVH	(80°-90°)	13.5	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



REPORT NUMBER: P944872

CATALOG NUMBER: GALN-SB1A-730-U-5MQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1	450.1
2.5°	452.2	452.7	451.8	451.3	450.8	450.1	450.4	451.5	452.5	452.2	452.5
5°	456.0	456.5	455.8	455.5	454.6	454.4	454.4	455.5	456.2	455.8	456.0
7.5°	460.3	461.0	459.8	459.6	459.1	458.6	458.4	459.6	460.3	460.3	460.3
10°	464.3	465.0	464.0	463.3	462.9	462.9	462.4	463.3	464.5	464.3	464.3
12.5°	468.5	469.0	468.0	467.6	467.6	468.3	467.6	468.0	469.0	468.5	468.3
15°	473.7	473.9	473.7	474.4	475.6	478.0	475.8	475.4	475.8	474.7	474.7
17.5°	480.8	481.3	482.2	483.9	485.5	489.7	486.0	484.8	484.8	482.4	482.4
20°	489.5	490.2	491.6	494.5	496.6	500.6	496.8	495.2	494.5	491.4	491.4
22.5°	498.7	499.9	502.0	505.8	509.6	513.3	509.6	506.7	504.6	500.6	500.4
25°	509.3	510.7	514.0	520.2	525.4	530.8	526.3	520.7	516.4	510.7	510.5
27.5°	524.4	526.1	530.1	537.6	544.2	549.0	544.7	537.4	531.5	524.7	524.4
30°	545.7	547.3	552.0	560.0	564.5	567.6	564.8	559.1	552.0	544.2	544.2
32.5°	573.0	575.1	580.3	587.9	588.8	589.3	588.4	585.5	580.3	570.9	571.1
35°	607.7	610.1	616.0	622.1	621.2	622.1	620.7	619.7	616.0	605.1	605.1
37.5°	650.2	653.0	659.1	663.8	661.5	660.3	660.5	660.8	658.7	646.6	646.6
40°	699.5	703.2	707.7	712.7	708.7	705.1	707.5	709.4	707.5	695.2	695.2
42.5°	750.2	755.6	760.3	767.4	764.1	759.6	762.9	765.1	761.0	747.8	748.8
45°	806.6	811.8	817.9	828.5	826.2	821.4	826.2	826.6	819.8	804.2	805.9
47.5°	864.8	870.3	879.5	893.6	892.7	887.5	893.6	890.3	881.6	863.0	861.8
50°	920.0	927.6	941.8	961.6	963.5	957.1	965.3	959.0	944.3	921.0	920.5
52.5°	971.9	980.0	1002.4	1029.3	1036.1	1027.9	1038.9	1027.9	1005.9	976.0	973.1
55°	1026.4	1035.4	1062.1	1097.2	1110.9	1104.8	1115.1	1098.4	1067.3	1030.9	1026.0
57.5°	1090.6	1096.0	1127.9	1169.6	1192.8	1194.2	1198.9	1170.6	1132.8	1091.6	1085.9
60°	1160.2	1167.8	1202.4	1252.4	1289.0	1300.8	1295.9	1253.9	1210.0	1162.6	1155.0
62.5°	1249.4	1257.6	1299.2	1359.1	1416.9	1446.1	1426.8	1365.9	1311.7	1254.8	1244.9
65°	1323.2	1332.4	1407.4	1514.3	1619.5	1678.3	1629.7	1517.6	1419.9	1339.7	1326.5
67.5°	1269.7	1281.0	1398.7	1595.0	1856.6	2031.9	1865.6	1619.0	1427.7	1319.0	1302.7
70°	1109.7	1120.3	1257.6	1497.6	1923.4	2307.4	1963.5	1541.7	1262.1	1140.4	1124.1
72.5°	736.7	771.0	909.9	1197.7	1717.4	2135.2	1734.4	1173.4	844.1	735.1	711.3
75°	244.4	271.8	366.6	620.9	1150.3	1596.9	1095.1	549.4	290.4	209.0	197.7
77.5°	61.6	71.0	97.9	177.6	458.8	909.2	413.1	145.1	79.0	55.2	49.3
80°	30.0	33.0	47.2	59.2	114.9	289.0	107.8	55.7	37.3	28.8	26.4
82.5°	16.5	16.7	26.7	33.5	42.7	74.8	44.4	32.6	21.5	17.5	17.5
85°	10.1	9.9	14.2	17.9	17.9	26.7	21.2	17.9	12.3	10.9	11.3
87.5°	4.0	4.0	5.2	5.7	5.0	6.8	5.4	5.9	4.7	4.5	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)