

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: P938730

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
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-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4539 lumens
Efficiency: N/A
Efficacy: 146.9 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



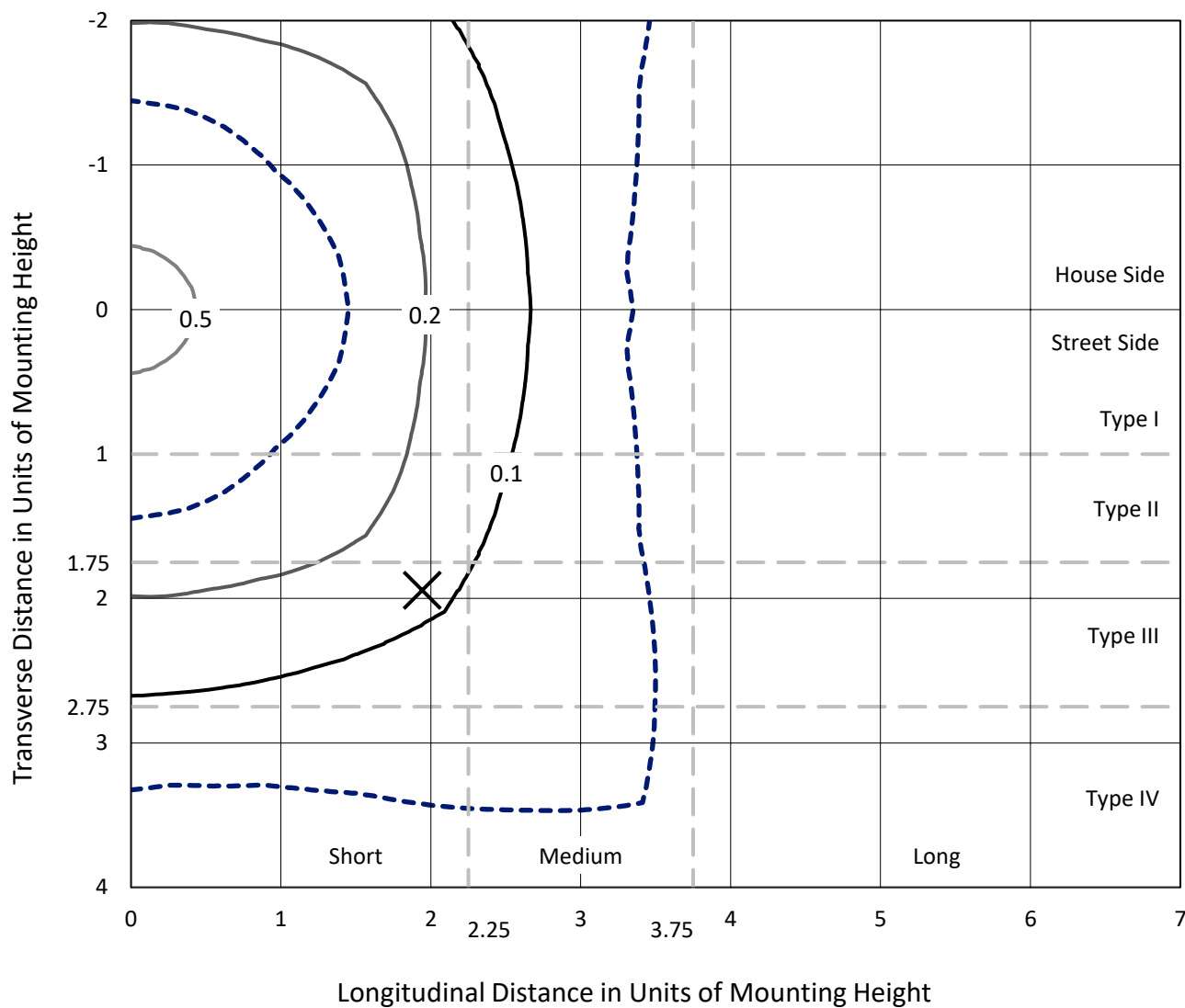
REPORT NUMBER: P938730

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

Iso-Footcandle Lines of Horizontal Illumination

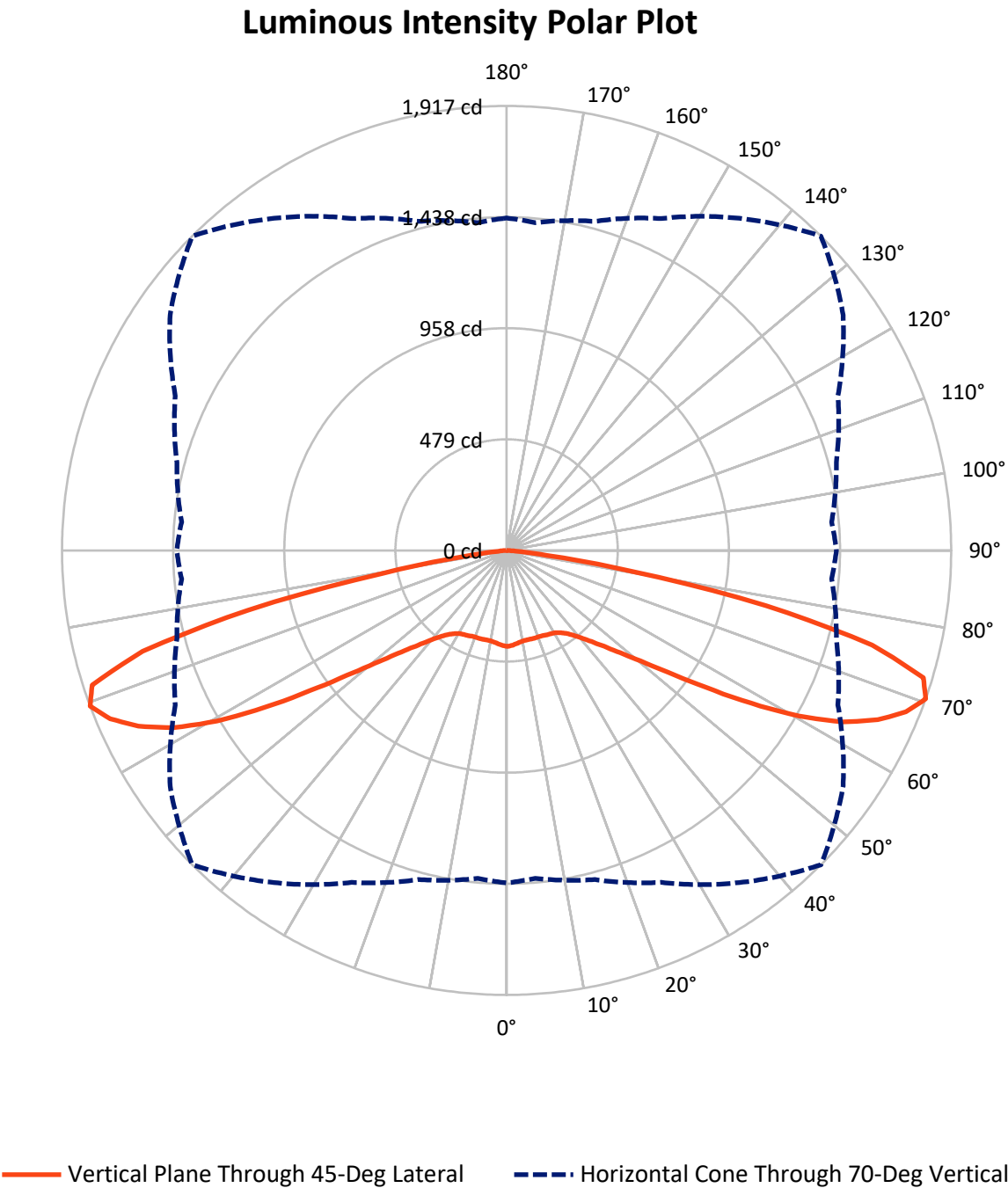
✕ Max cd

--- 1/2 Max cd



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

REPORT NUMBER: P938730
CATALOG NUMBER: GALN-SB1A-730-U-5WQ



REPORT NUMBER: P938730

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2269.5	0.0	2269.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2269.5	0.0	2269.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4539.0	0.0	4539.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	0.8
10°-20°	113.1	2.5
20°-30°	188.2	4.1
30°-40°	284.6	6.3
40°-50°	473.0	10.4
50°-60°	892.5	19.7
60°-70°	1507.0	33.2
70°-80°	990.3	21.8
80°-90°	51.9	1.1
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°	4539.0	100.0
0°-180°	4539.0	100.0

Coefficient of Utilization



REPORT NUMBER: P938730

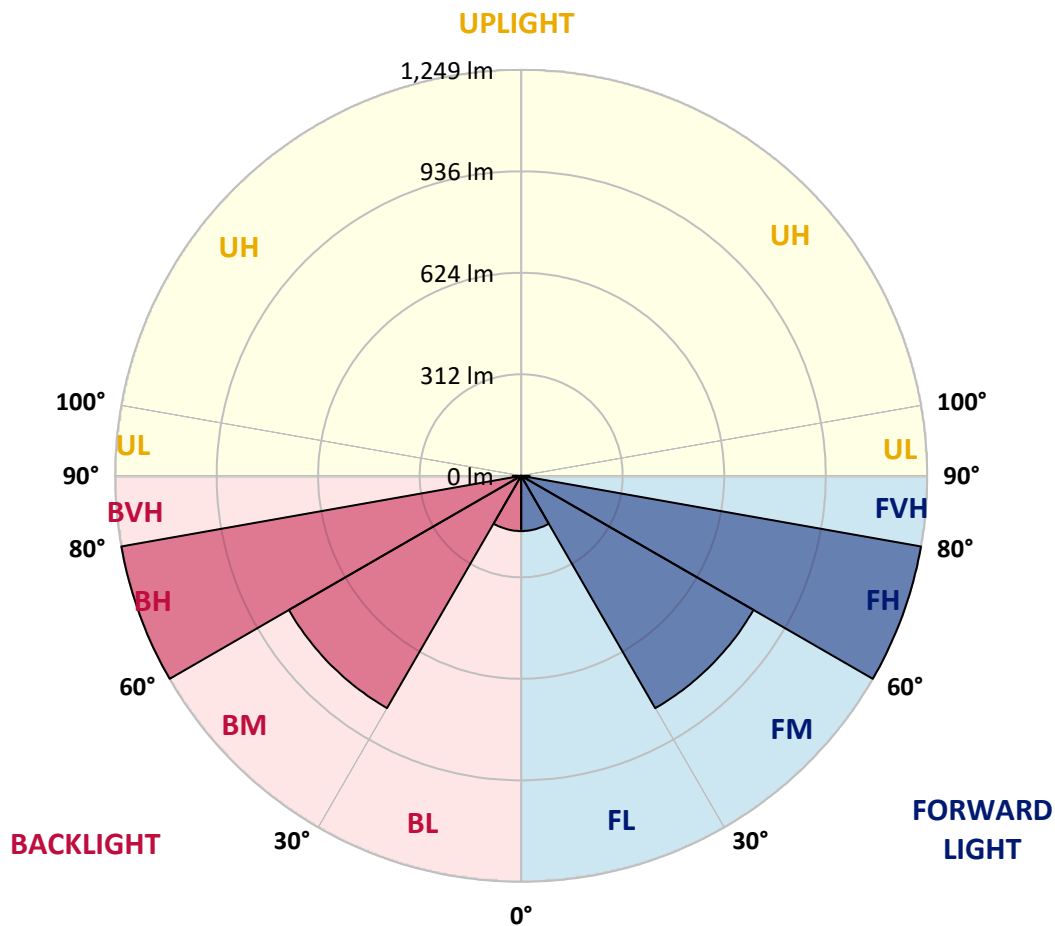
CATALOG NUMBER: GALN-SB1A-730-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.9	3.7			
FM	(30°-60°)	825.0	18.2			
FH	(60°-80°)	1248.6	27.5			G1/1800
FVH	(80°-90°)	25.9	0.6			G1/100
BL	(0°-30°)	169.9	3.7	B1/500		
BM	(30°-60°)	825.0	18.2	B1/1000		
BH	(60°-80°)	1248.6	27.5	B3/2500		G1/1800
BVH	(80°-90°)	25.9	0.6			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: P938730

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0	414.0
2.5°	411.5	412.6	412.2	411.2	411.2	410.5	411.2	411.7	412.4	412.9	412.6
5°	406.0	407.0	406.7	406.0	406.3	405.6	406.0	406.7	407.2	407.4	407.4
7.5°	401.3	402.3	401.8	400.6	400.6	399.9	400.1	400.8	401.5	401.8	401.8
10°	400.1	401.1	399.7	397.8	397.1	396.1	396.4	397.1	398.5	399.2	399.2
12.5°	400.6	401.3	399.9	397.1	396.4	395.4	395.4	396.1	398.0	398.9	399.2
15°	402.0	402.7	400.6	397.5	396.8	396.1	395.9	396.8	398.9	400.6	400.8
17.5°	404.6	405.3	402.0	397.8	396.8	397.1	396.8	397.5	400.8	403.9	403.9
20°	407.0	407.4	403.0	397.8	396.8	397.1	396.8	398.2	402.5	406.7	407.0
22.5°	407.7	408.2	403.9	399.4	398.7	398.9	398.7	400.1	404.1	408.4	408.4
25°	407.9	408.6	405.3	401.8	403.0	403.4	403.0	403.2	406.3	410.0	409.8
27.5°	411.5	412.4	409.3	406.3	407.0	406.7	407.4	408.2	410.5	414.3	413.3
30°	418.8	419.5	416.9	413.8	413.3	411.7	413.8	416.2	418.8	422.1	421.4
32.5°	430.8	432.2	428.9	425.6	423.5	422.5	424.2	428.2	431.7	435.3	433.9
35°	450.9	451.8	448.7	442.6	438.8	438.8	440.2	445.4	451.1	455.6	453.9
37.5°	479.2	480.3	474.9	467.6	461.9	461.9	463.8	469.3	477.7	484.1	481.8
40°	513.6	515.3	508.4	500.9	495.4	494.5	496.9	503.0	511.0	519.0	516.4
42.5°	555.1	557.0	548.1	541.4	537.2	537.2	538.4	544.0	551.4	561.3	560.6
45°	608.2	611.5	599.2	592.6	588.6	589.6	590.3	595.2	601.8	613.2	612.7
47.5°	671.4	674.7	661.8	654.9	654.2	658.7	655.9	659.4	662.9	675.9	672.2
50°	743.2	748.8	739.9	739.4	740.8	749.1	742.5	744.3	740.3	748.6	743.6
52.5°	830.9	839.2	837.5	840.4	856.2	873.2	858.1	851.5	836.4	838.9	830.2
55°	937.3	949.8	952.2	969.2	1005.0	1039.7	1007.6	981.0	948.9	943.0	933.8
57.5°	1058.4	1068.3	1079.6	1114.3	1181.3	1242.9	1181.3	1122.3	1071.8	1059.8	1051.3
60°	1188.6	1200.9	1211.7	1262.9	1362.5	1449.1	1360.6	1266.9	1200.1	1183.9	1169.7
62.5°	1328.5	1344.3	1351.8	1408.7	1524.8	1628.1	1526.4	1413.0	1338.9	1321.4	1307.3
65°	1462.7	1475.7	1484.2	1544.8	1655.7	1759.3	1663.3	1551.4	1475.2	1452.4	1441.0
67.5°	1525.3	1532.3	1553.1	1621.7	1738.8	1857.0	1758.6	1629.1	1543.9	1503.8	1504.3
70°	1433.7	1419.3	1469.3	1579.3	1748.7	1916.9	1771.3	1576.0	1471.7	1406.6	1422.2
72.5°	1107.9	1083.1	1170.0	1358.0	1635.4	1878.7	1646.8	1368.6	1224.0	1091.9	1124.7
75°	602.8	574.7	694.6	932.4	1304.2	1628.4	1334.2	959.0	773.4	598.3	637.2
77.5°	170.1	159.5	256.2	451.1	784.5	1143.3	814.6	461.0	303.9	180.2	200.3
80°	52.1	50.5	68.4	135.9	333.1	547.6	320.2	137.5	87.1	55.0	58.0
82.5°	30.9	28.3	34.0	49.5	84.9	172.0	82.6	51.7	41.5	27.8	30.2
85°	17.7	16.5	20.1	24.1	28.5	36.6	23.8	24.5	22.2	14.9	15.6
87.5°	7.3	6.6	7.8	7.5	6.6	8.5	6.4	7.5	9.0	5.9	5.4
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)