

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: P939240

Luminaire Tested: **GALN-SB1D-730-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939240
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-SB1D-730-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10297 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

Input Watts (W): 79.6
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

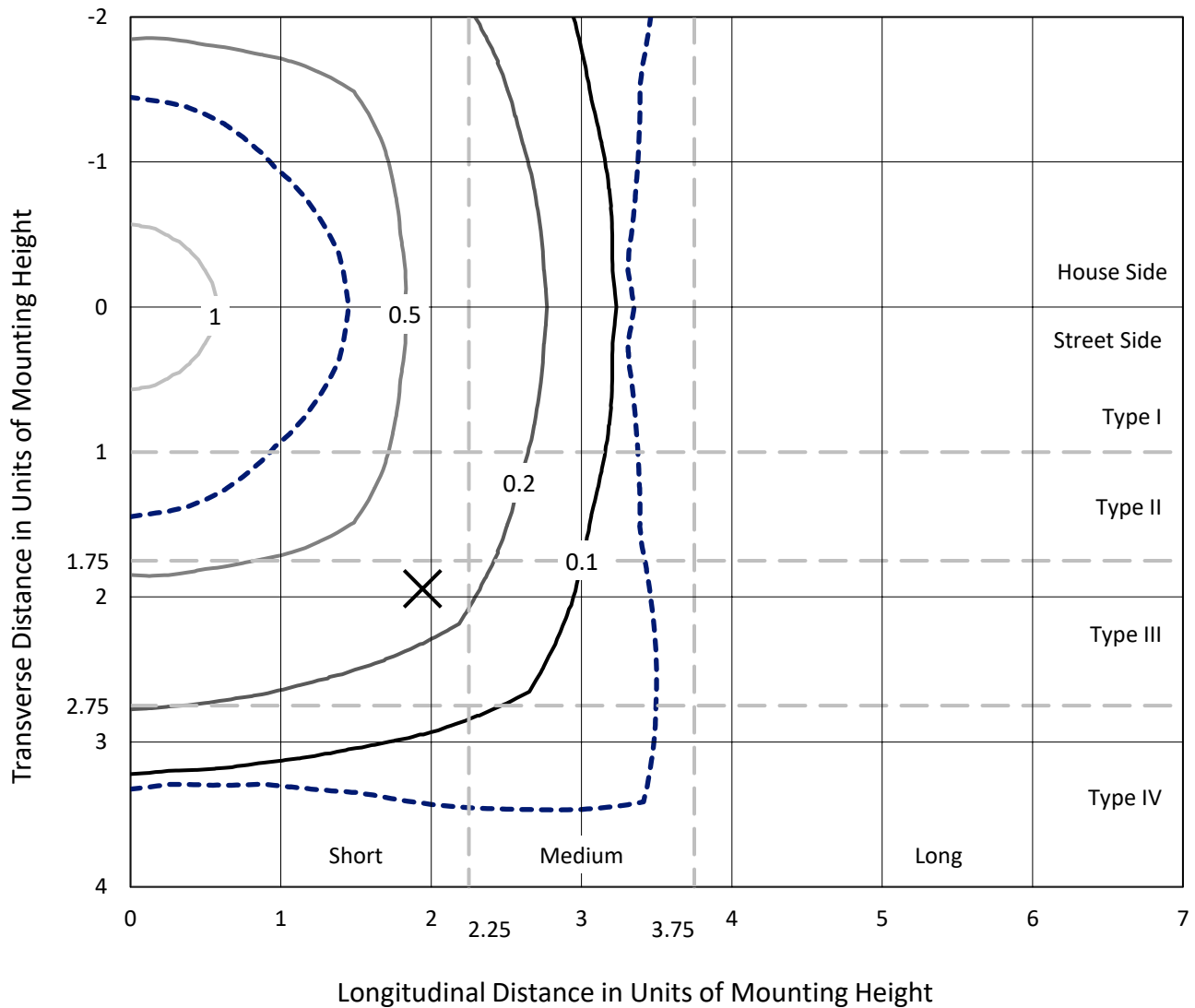


REPORT NUMBER: P939240

CATALOG NUMBER: GALN-SB1D-730-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
--- 1/2 Max cd

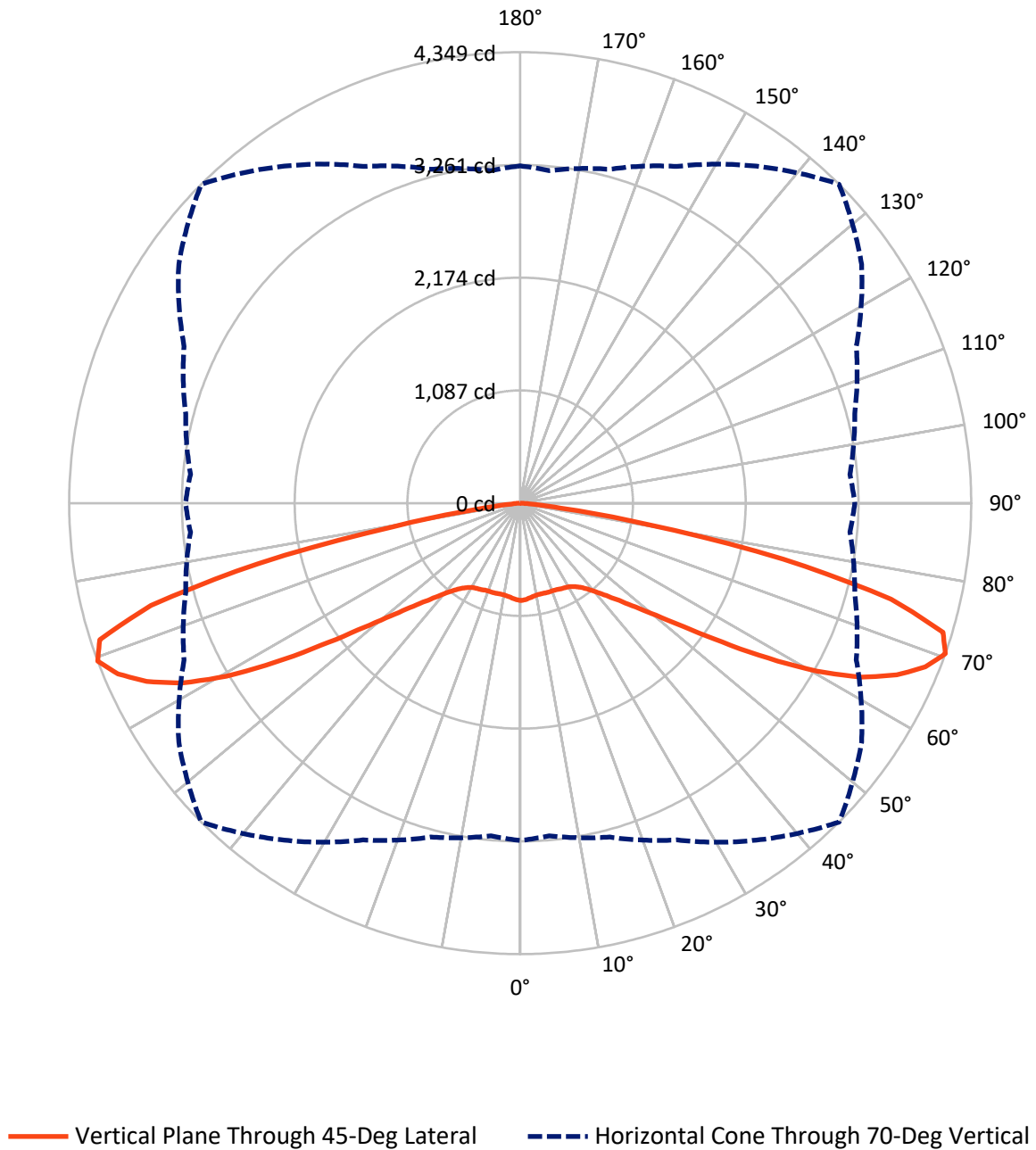


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
Type V - Short - N/A

REPORT NUMBER: P939240

CATALOG NUMBER: GALN-SB1D-730-U-5WQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5148.5	0.0	5148.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5148.5	0.0	5148.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10297.0	0.0	10297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	0.8
10°-20°	256.6	2.5
20°-30°	426.9	4.1
30°-40°	645.7	6.3
40°-50°	1073.0	10.4
50°-60°	2024.6	19.7
60°-70°	3418.7	33.2
70°-80°	2246.4	21.8
80°-90°	117.7	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°	10297.0	100.0
0°-180°	10297.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939240

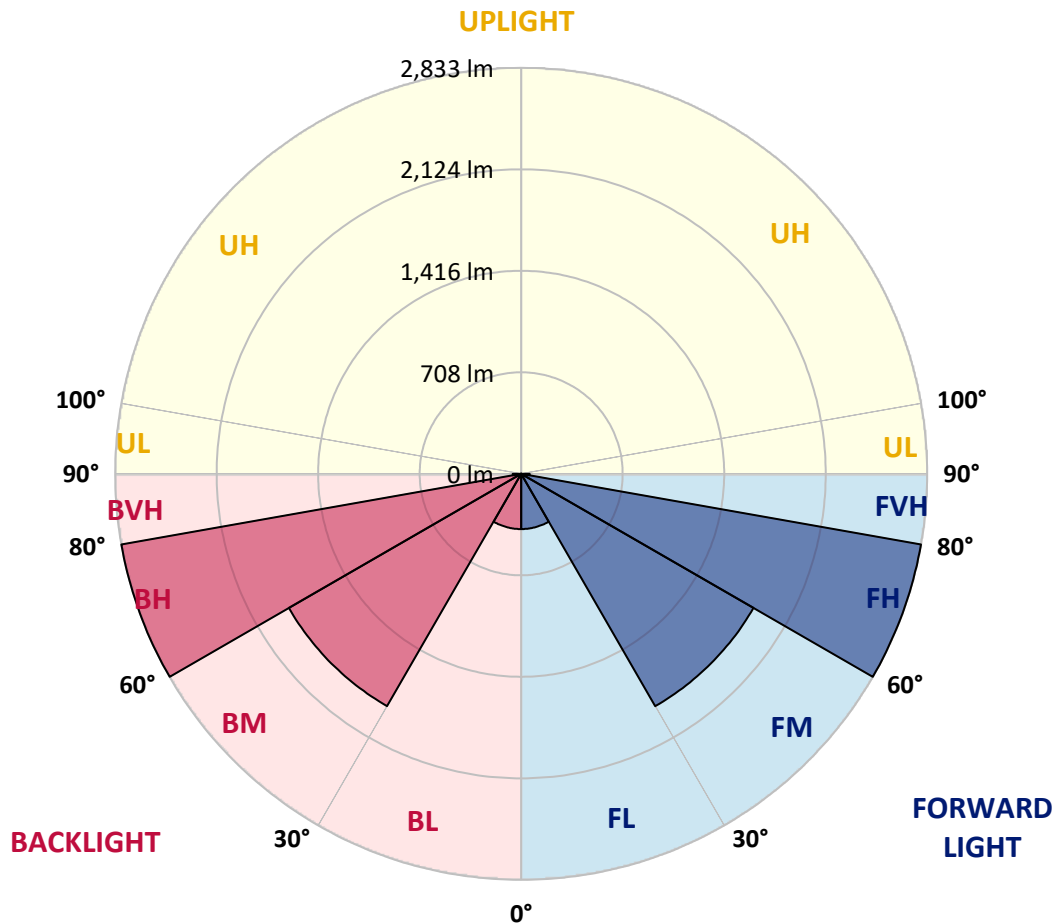
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	385.4	3.7			
FM	(30°-60°)	1871.6	18.2			
FH	(60°-80°)	2832.6	27.5			G2/5000
FVH	(80°-90°)	58.8	0.6			G1/100
BL	(0°-30°)	385.4	3.7	B1/500		
BM	(30°-60°)	1871.6	18.2	B2/2500		
BH	(60°-80°)	2832.6	27.5	B4/5000		G2/5000
BVH	(80°-90°)	58.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3	939.3
2.5°	933.4	936.1	935.0	932.9	932.9	931.3	932.9	933.9	935.5	936.6	936.1
5°	921.1	923.2	922.7	921.1	921.6	920.0	921.1	922.7	923.8	924.3	924.3
7.5°	910.4	912.5	911.5	908.8	908.8	907.2	907.7	909.3	910.9	911.5	911.5
10°	907.7	909.9	906.6	902.4	900.8	898.6	899.2	900.8	904.0	905.6	905.6
12.5°	908.8	910.4	907.2	900.8	899.2	897.0	897.0	898.6	902.9	905.0	905.6
15°	912.0	913.6	908.8	901.8	900.2	898.6	898.1	900.2	905.0	908.8	909.3
17.5°	917.9	919.5	912.0	902.4	900.2	900.8	900.2	901.8	909.3	916.3	916.3
20°	923.2	924.3	914.1	902.4	900.2	900.8	900.2	903.4	913.1	922.7	923.2
22.5°	924.8	925.9	916.3	906.1	904.5	905.0	904.5	907.7	916.8	926.4	926.4
25°	925.4	927.0	919.5	911.5	914.1	915.2	914.1	914.7	921.6	930.2	929.7
27.5°	933.4	935.5	928.6	921.6	923.2	922.7	924.3	925.9	931.3	939.8	937.7
30°	950.0	951.6	945.7	938.8	937.7	933.9	938.8	944.1	950.0	957.5	955.9
32.5°	977.3	980.5	973.0	965.5	960.7	958.6	962.3	971.4	979.4	987.5	984.3
35°	1022.8	1024.9	1018.0	1004.1	995.5	995.5	998.7	1010.5	1023.3	1033.5	1029.7
37.5°	1087.0	1089.7	1077.4	1060.8	1047.9	1047.9	1052.2	1064.5	1083.8	1098.3	1092.9
40°	1165.2	1168.9	1153.4	1136.3	1123.9	1121.8	1127.2	1141.1	1159.3	1177.5	1171.6
42.5°	1259.3	1263.6	1243.3	1228.3	1218.7	1218.7	1221.3	1234.2	1250.8	1273.3	1271.7
45°	1379.8	1387.3	1359.4	1344.4	1335.3	1337.5	1339.1	1350.3	1365.3	1391.0	1389.9
47.5°	1523.2	1530.7	1501.3	1485.7	1484.1	1494.3	1487.9	1495.9	1503.9	1533.4	1524.8
50°	1685.9	1698.8	1678.4	1677.3	1680.6	1699.3	1684.3	1688.6	1679.5	1698.2	1687.0
52.5°	1885.0	1903.7	1900.0	1906.4	1942.3	1980.8	1946.6	1931.6	1897.3	1903.2	1883.4
55°	2126.4	2154.8	2160.1	2198.6	2280.0	2358.7	2285.9	2225.4	2152.6	2139.2	2118.4
57.5°	2401.0	2423.4	2449.1	2527.8	2679.8	2819.5	2679.8	2546.0	2431.5	2404.2	2384.9
60°	2696.4	2724.2	2748.8	2865.0	3090.8	3287.3	3086.6	2874.1	2722.6	2685.7	2653.6
62.5°	3013.8	3049.6	3066.8	3195.7	3459.1	3693.5	3462.8	3205.4	3037.3	2997.7	2965.6
65°	3318.3	3347.7	3367.0	3504.6	3756.1	3991.1	3773.2	3519.5	3346.7	3294.8	3269.1
67.5°	3460.1	3476.2	3523.3	3679.0	3944.5	4212.6	3989.5	3695.6	3502.4	3411.4	3412.5
70°	3252.5	3219.8	3333.3	3582.7	3967.0	4348.6	4018.4	3575.2	3338.6	3190.9	3226.2
72.5°	2513.3	2457.1	2654.1	3080.7	3710.1	4261.9	3735.8	3104.8	2776.7	2477.0	2551.3
75°	1367.5	1303.8	1575.7	2115.2	2958.6	3694.0	3026.6	2175.6	1754.4	1357.3	1445.6
77.5°	385.9	361.8	581.2	1023.3	1779.6	2593.6	1848.1	1045.8	689.4	408.9	454.4
80°	118.3	114.5	155.2	308.3	755.7	1242.2	726.3	312.0	197.5	124.7	131.7
82.5°	70.1	64.2	77.1	112.4	192.7	390.2	187.3	117.2	94.2	63.2	68.5
85°	40.1	37.5	45.5	54.6	64.8	83.0	54.1	55.7	50.3	33.7	35.3
87.5°	16.6	15.0	17.7	17.1	15.0	19.3	14.5	17.1	20.3	13.4	12.3
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)