

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: P940360

Luminaire Tested: **GALN-SB3B-927-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940360
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-SB3B-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10402 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

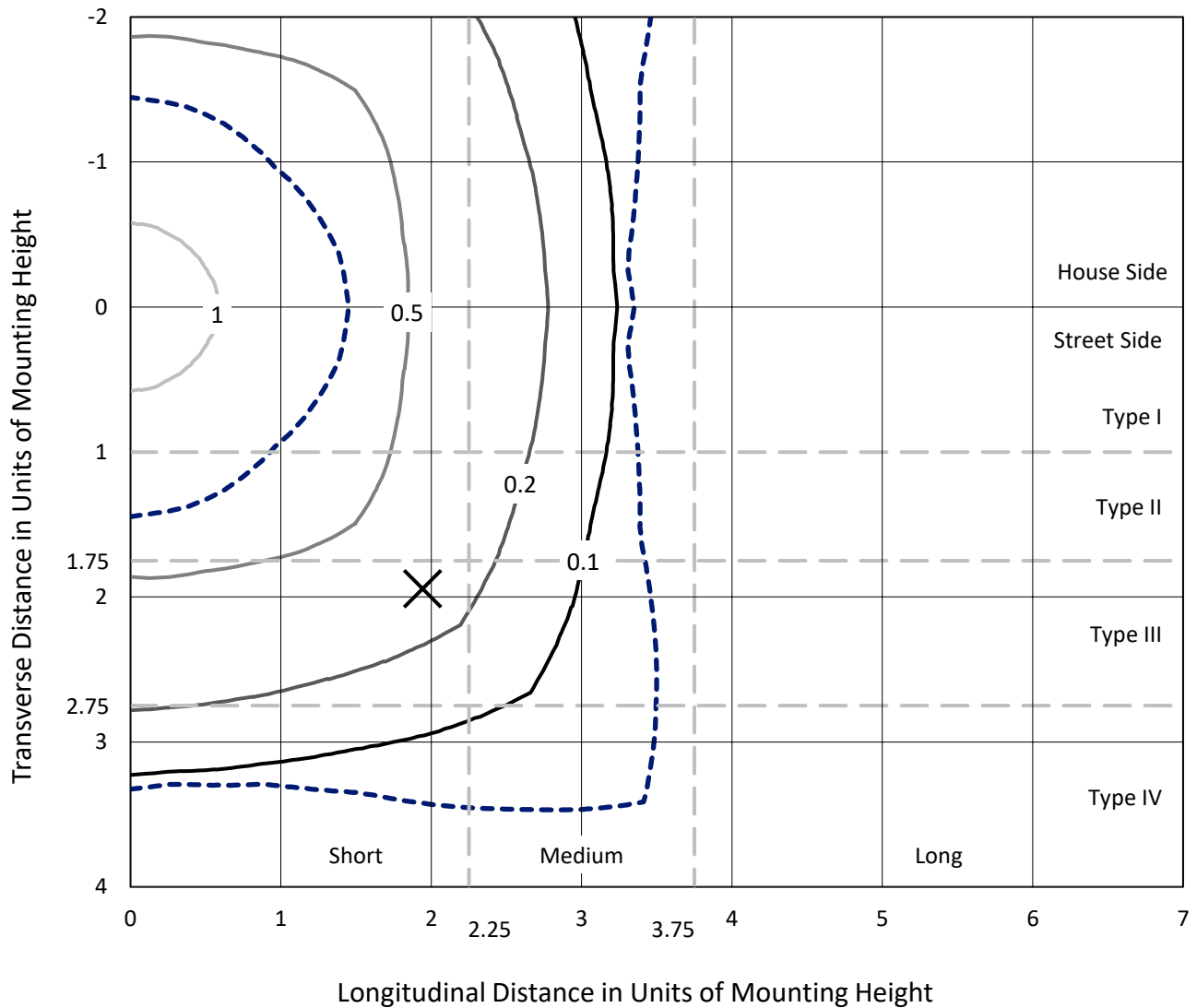
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940360
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Iso-Footcandle Lines of Horizontal Illumination

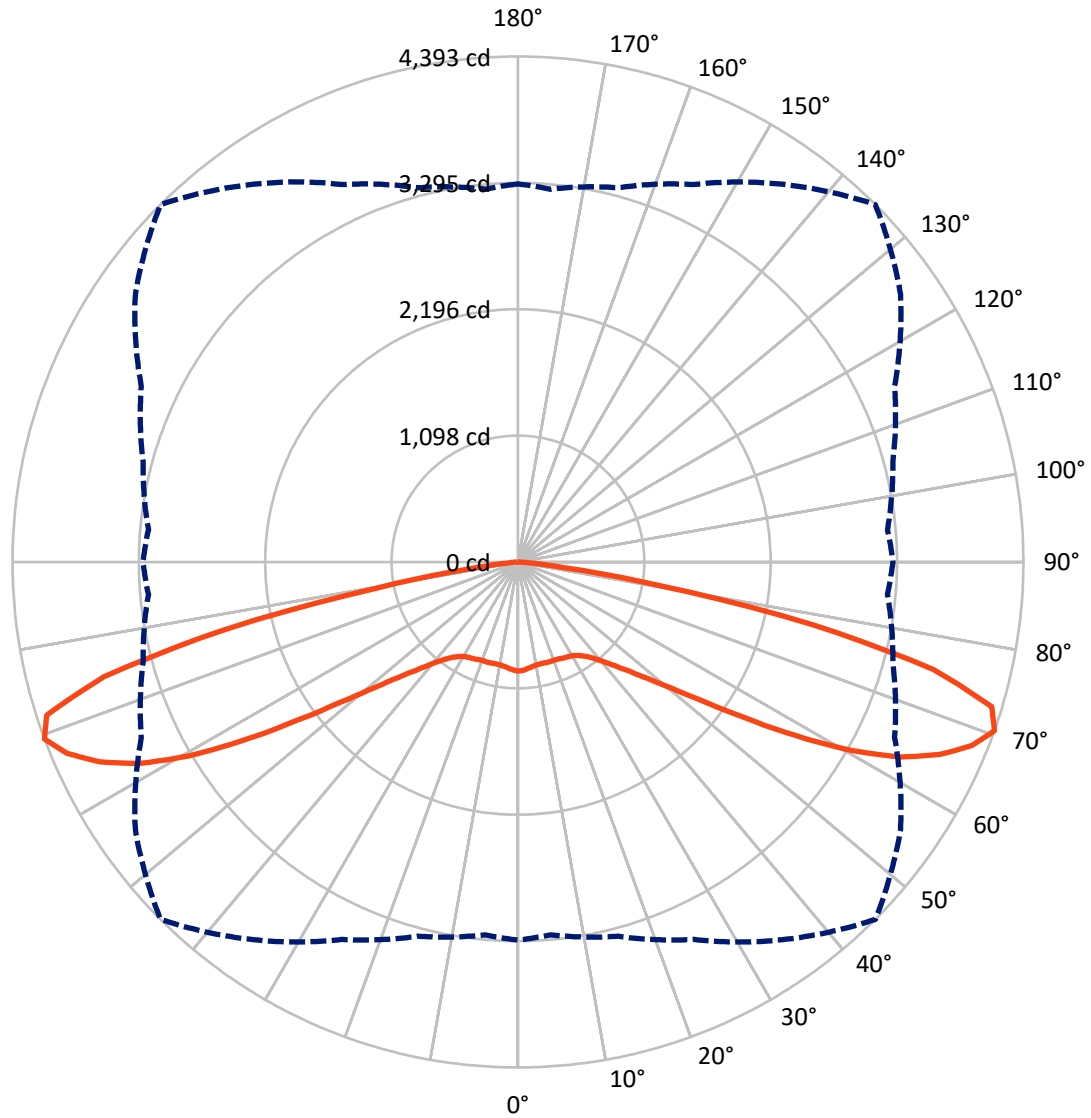
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940360
CATALOG NUMBER: GALN-SB3B-927-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P940360

CATALOG NUMBER: GALN-SB3B-927-U-5WQ

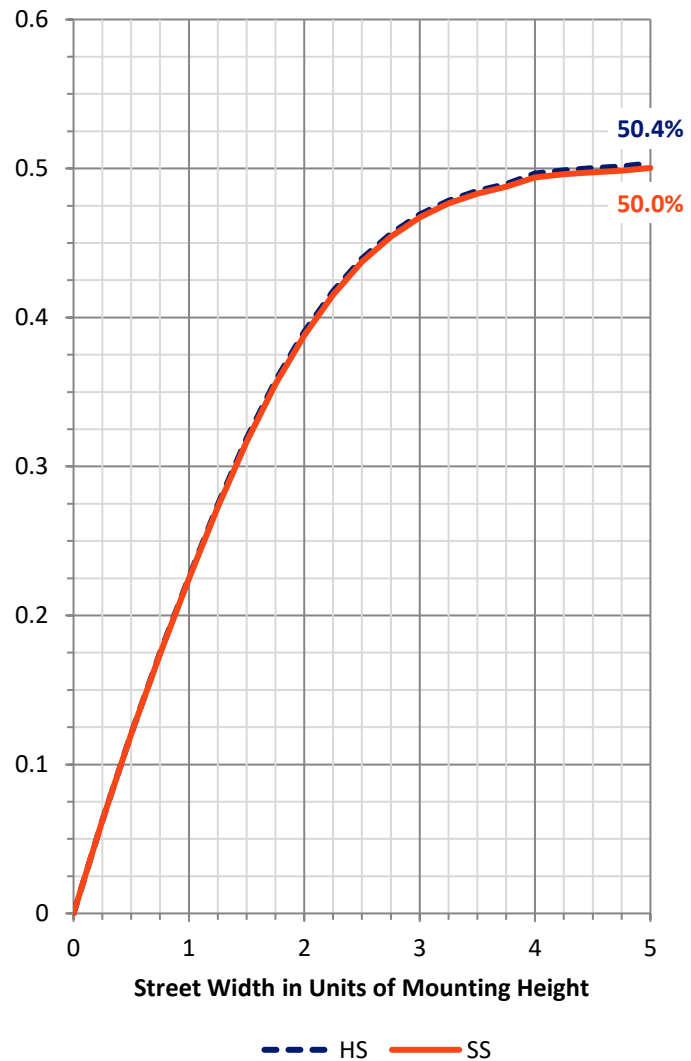
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5201.0	0.0	5201.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5201.0	0.0	5201.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10402.0	0.0	10402.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	0.8
10°-20°	259.2	2.5
20°-30°	431.3	4.1
30°-40°	652.3	6.3
40°-50°	1083.9	10.4
50°-60°	2045.3	19.7
60°-70°	3453.6	33.2
70°-80°	2269.3	21.8
80°-90°	118.9	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°	10402.0	100.0
0°-180°	10402.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940360

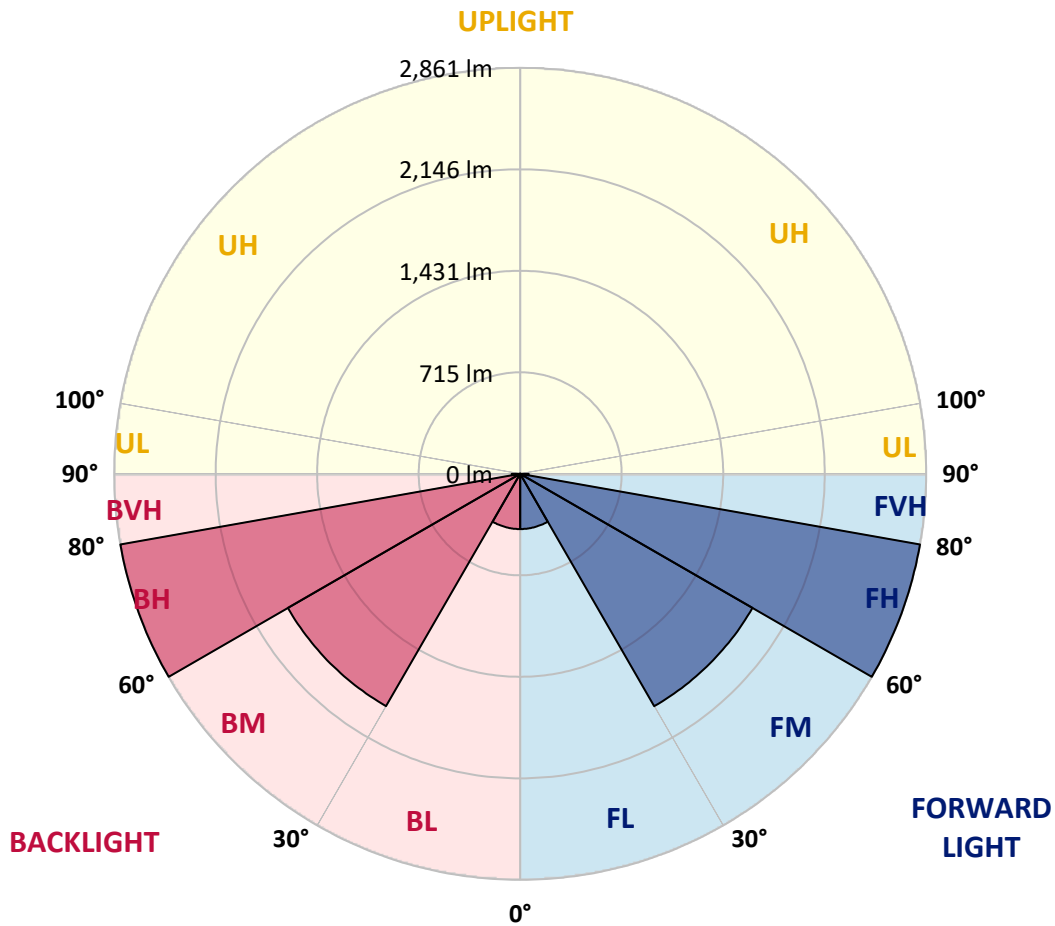
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.4	3.7			
FM (30°-60°)	1890.7	18.2			
FH (60°-80°)	2861.4	27.5			G2/5000
FVH (80°-90°)	59.4	0.6			G1/100
BL (0°-30°)	389.4	3.7	B1/500		
BM (30°-60°)	1890.7	18.2	B2/2500		
BH (60°-80°)	2861.4	27.5	B4/5000		G2/5000
BVH (80°-90°)	59.4	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°
0°	948.9	948.9	948.9	948.9	948.9	948.9	948.9	948.9	948.9	948.9
2.5°	942.9	945.6	944.5	942.4	942.4	940.8	942.4	943.5	945.1	946.2
5°	930.5	932.7	932.1	930.5	931.0	929.4	930.5	932.1	933.2	933.7
7.5°	919.7	921.8	920.8	918.1	918.1	916.4	917.0	918.6	920.2	920.8
10°	917.0	919.1	915.9	911.6	909.9	907.8	908.3	909.9	913.2	914.8
12.5°	918.1	919.7	916.4	909.9	908.3	906.2	906.2	907.8	912.1	914.3
15°	921.3	922.9	918.1	911.0	909.4	907.8	907.2	909.4	914.3	918.1
17.5°	927.2	928.9	921.3	911.6	909.4	909.9	909.4	911.0	918.6	925.6
20°	932.7	933.7	923.5	911.6	909.4	909.9	909.4	912.6	922.4	932.1
22.5°	934.3	935.4	925.6	915.4	913.7	914.3	913.7	917.0	926.2	935.9
25°	934.8	936.4	928.9	920.8	923.5	924.5	923.5	924.0	931.0	939.7
27.5°	942.9	945.1	938.1	931.0	932.7	932.1	933.7	935.4	940.8	949.4
30°	959.7	961.3	955.4	948.3	947.2	943.5	948.3	953.7	959.7	967.3
32.5°	987.3	990.5	982.9	975.4	970.5	968.3	972.1	981.3	989.4	997.5
35°	1033.2	1035.4	1028.3	1014.3	1005.6	1005.6	1008.9	1020.8	1033.8	1044.0
37.5°	1098.1	1100.8	1088.4	1071.6	1058.6	1058.6	1063.0	1075.4	1094.9	1109.5
40°	1177.0	1180.8	1165.1	1147.8	1135.4	1133.2	1138.6	1152.7	1171.1	1189.5
42.5°	1272.2	1276.5	1256.0	1240.8	1231.1	1231.1	1233.8	1246.8	1263.5	1286.2
45°	1393.8	1401.4	1373.3	1358.2	1349.0	1351.1	1352.8	1364.1	1379.2	1405.2
47.5°	1538.7	1546.3	1516.6	1500.9	1499.3	1509.5	1503.1	1511.2	1519.3	1549.0
50°	1703.1	1716.1	1695.5	1694.5	1697.7	1716.6	1701.5	1705.8	1696.6	1715.5
52.5°	1904.2	1923.2	1919.4	1925.9	1962.1	2001.0	1966.4	1951.3	1916.7	1922.6
55°	2148.1	2176.7	2182.1	2221.1	2303.2	2382.7	2309.2	2248.1	2174.6	2161.0
57.5°	2425.4	2448.1	2474.1	2553.6	2707.1	2848.2	2707.1	2572.0	2456.3	2428.7
60°	2723.9	2752.0	2776.9	2894.2	3122.4	3320.8	3118.0	2903.4	2750.4	2713.1
62.5°	3044.5	3080.7	3098.0	3228.3	3494.3	3731.1	3498.1	3238.1	3068.3	3028.3
65°	3352.1	3381.9	3401.3	3540.3	3794.4	4031.8	3811.7	3555.4	3380.8	3328.4
67.5°	3495.4	3511.6	3559.2	3716.5	3984.7	4255.6	4030.1	3733.3	3538.1	3446.2
70°	3285.6	3252.7	3367.3	3619.2	4007.4	4392.9	4059.3	3611.7	3372.7	3223.5
72.5°	2539.0	2482.2	2681.2	3112.1	3747.9	4305.3	3773.9	3136.4	2805.0	2502.2
75°	1381.4	1317.1	1591.7	2136.7	2988.8	3731.7	3057.5	2197.8	1772.3	1371.1
77.5°	389.8	365.5	587.2	1033.8	1797.7	2620.1	1866.9	1056.5	696.4	413.1
80°	119.5	115.7	156.8	311.4	763.4	1254.9	733.7	315.2	199.5	126.0
82.5°	70.8	64.9	77.9	113.5	194.6	394.1	189.2	118.4	95.2	63.8
85°	40.6	37.8	46.0	55.1	65.4	83.8	54.6	56.2	50.8	34.1
87.5°	16.8	15.1	17.8	17.3	15.1	19.5	14.6	17.3	20.5	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
948.9
945.6
933.7
920.8
914.8
914.8
918.6
925.6
932.7
935.9
939.1
947.2
965.6
994.3
1040.2
1104.0
1183.5
1284.6
1404.1
1540.4
1704.2
1902.6
2140.0
2409.2
2680.6
2995.8
3302.4
3447.3
3259.1
2577.4
1460.3
459.0
133.0
69.2
35.7
12.4
0.0

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