

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: P948361

Luminaire Tested: **GALN-SB3B-940-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948361
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-940-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12451 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

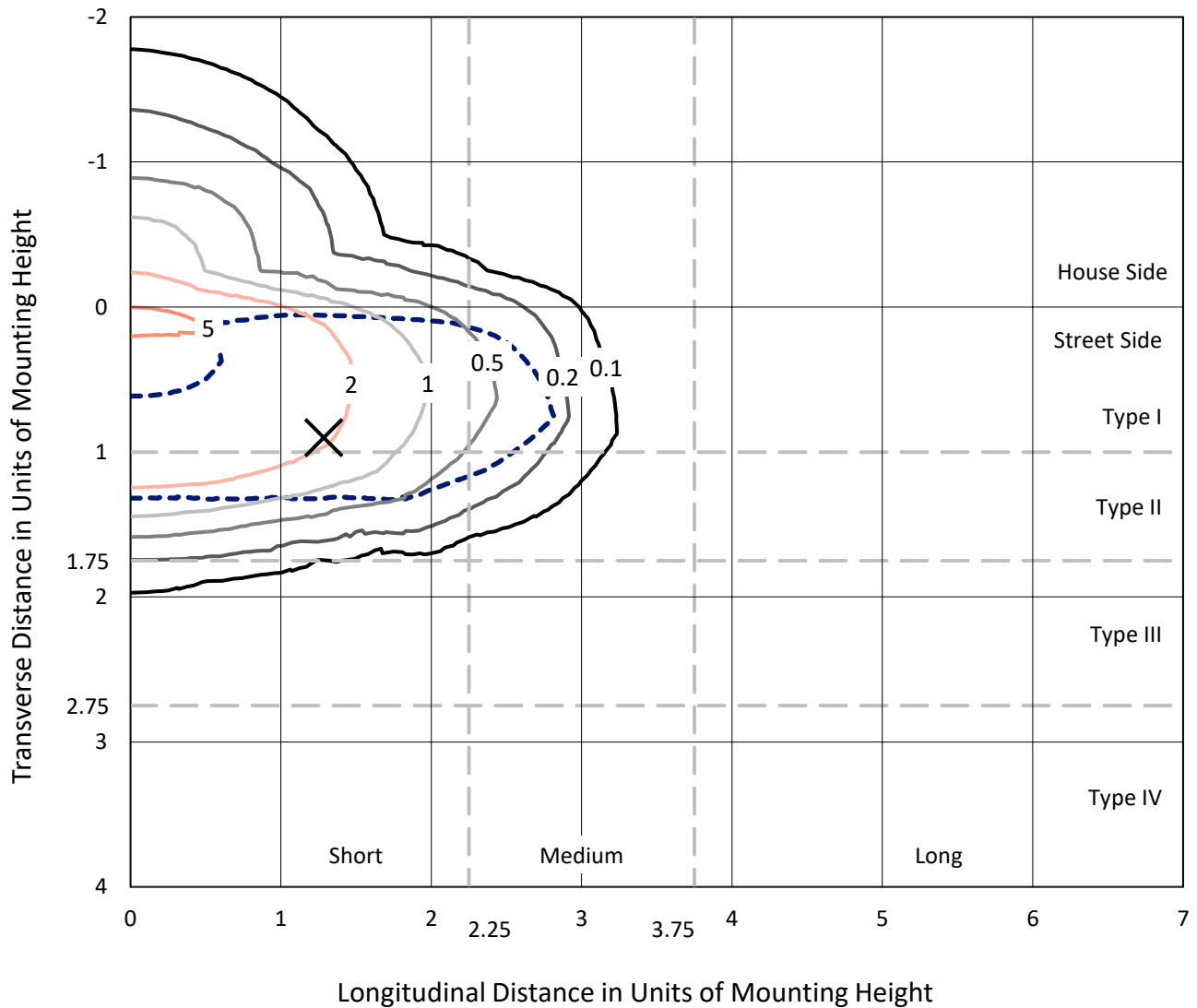
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

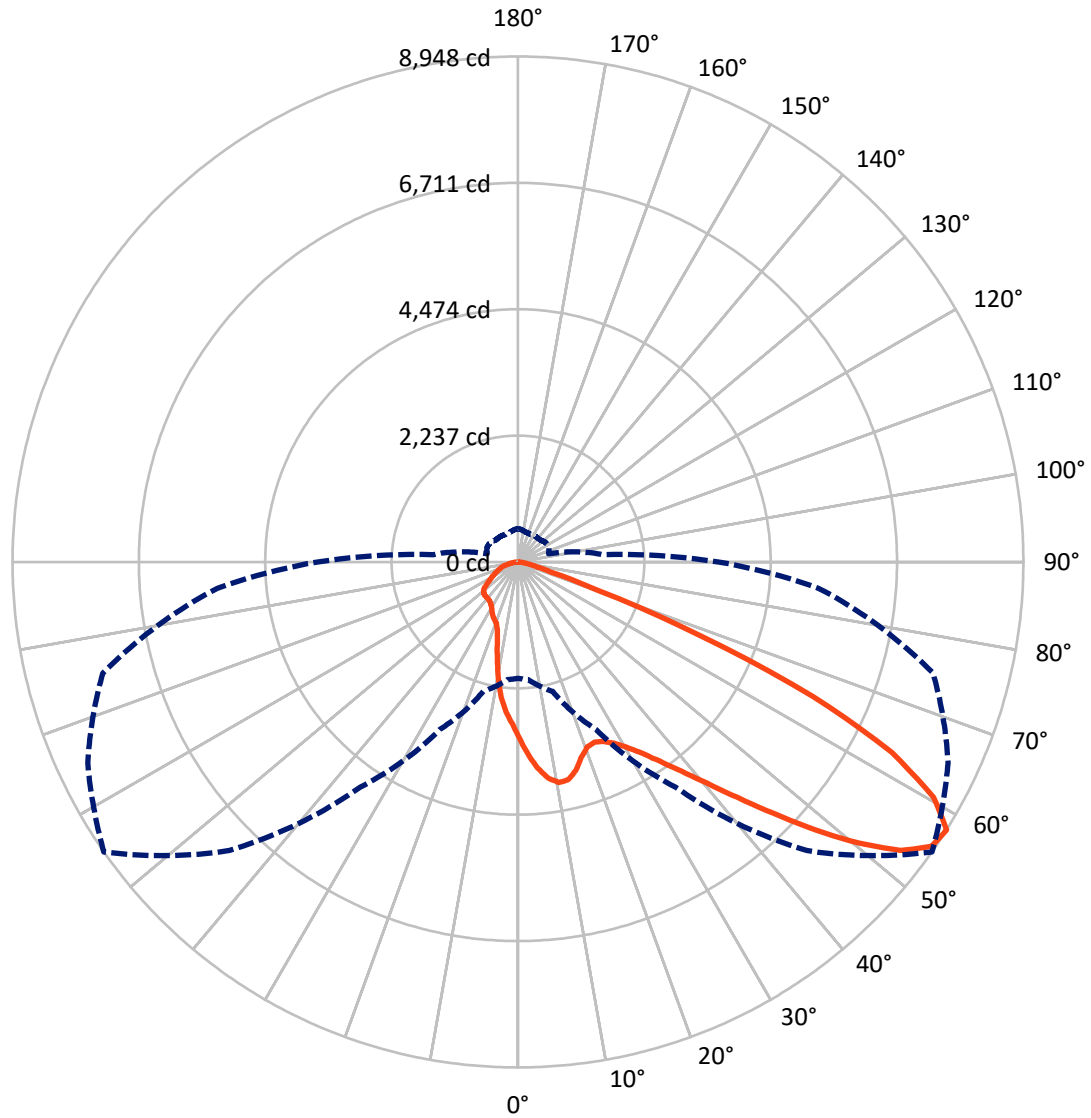
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2252.9	0.0	2252.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10198.1	0.0	10198.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	12451.0	0.0	12451.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.5	2.3
10°-20°	730.7	5.9
20°-30°	1166.0	9.4
30°-40°	1846.1	14.8
40°-50°	2825.6	22.7
50°-60°	3026.5	24.3
60°-70°	1904.0	15.3
70°-80°	563.0	4.5
80°-90°	99.6	0.8
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°	12451.0	100.0
0°-180°	12451.0	100.0

Coefficient of Utilization



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8
2.5°	3579.4	3576.8	3591.0	3542.7	3509.9	3465.5	3406.9	3332.2	3251.8	3166.8
5°	3901.9	3879.3	3894.1	3858.1	3822.0	3755.1	3668.2	3546.6	3397.9	3228.6
7.5°	3851.0	3835.6	3873.5	3905.7	3932.8	3924.4	3860.7	3733.2	3541.4	3295.5
10°	3441.0	3423.6	3477.0	3588.4	3751.9	3894.1	3971.4	3892.2	3688.2	3368.9
12.5°	3079.3	3070.9	3106.3	3196.4	3377.9	3650.8	3957.2	4031.2	3840.7	3455.8
15°	2924.8	2914.5	2937.0	2982.7	3098.6	3352.8	3828.5	4126.5	3990.7	3556.2
17.5°	2890.7	2879.1	2888.7	2912.6	2987.2	3181.0	3634.1	4173.5	4147.1	3668.2
20°	2953.8	2944.1	2945.4	2944.1	2996.2	3150.1	3498.9	4155.5	4283.6	3771.2
22.5°	3106.3	3090.2	3090.9	3056.7	3085.1	3204.1	3463.5	4107.2	4405.2	3861.3
25°	3354.8	3325.8	3331.6	3244.7	3237.0	3325.1	3518.9	4069.9	4526.2	3933.4
27.5°	3694.6	3661.8	3644.4	3515.0	3453.2	3497.0	3631.5	4082.7	4640.8	3995.8
30°	4119.4	4079.5	4044.1	3860.7	3748.7	3732.6	3806.6	4167.7	4776.0	4061.5
32.5°	4640.1	4593.8	4529.4	4286.1	4128.4	4044.1	4033.2	4319.0	4934.3	4145.2
35°	5260.0	5199.5	5108.1	4793.3	4593.8	4421.3	4331.8	4537.2	5151.2	4271.3
37.5°	5898.5	5830.3	5746.6	5372.0	5126.7	4872.5	4696.1	4833.2	5440.2	4442.5
40°	6487.4	6410.8	6333.0	5999.5	5736.3	5429.9	5142.2	5207.8	5793.6	4647.2
42.5°	6835.0	6778.4	6748.8	6568.5	6365.1	6054.3	5697.0	5652.0	6190.7	4882.8
45°	6819.6	6796.4	6887.8	6962.5	6914.2	6741.7	6347.1	6143.1	6589.1	5086.8
47.5°	6455.3	6470.7	6674.7	7094.4	7279.1	7369.3	7087.3	6625.2	6935.4	5239.4
50°	5464.0	5476.9	5949.3	6854.3	7373.1	7881.0	7821.7	7095.7	7203.8	5332.7
52.5°	4679.4	4687.8	4890.5	6142.4	7062.9	8138.4	8483.4	7539.2	7400.2	5358.5
55°	3524.7	3553.6	3780.9	4819.1	6255.7	7934.4	8886.4	7996.2	7524.4	5361.0
57.5°	2059.1	2090.6	2371.2	3271.1	4862.2	7223.1	8947.5	8401.7	7608.7	5340.4
60°	1008.6	1022.1	1144.4	1719.2	2998.2	5852.8	8455.8	8598.0	7655.7	5329.5
62.5°	679.7	677.8	682.9	848.3	1477.2	3760.3	7431.0	8254.3	7630.6	5287.7
65°	584.4	577.4	558.1	595.4	765.3	1719.9	5741.4	7228.3	7439.4	5182.7
67.5°	505.3	505.9	506.6	495.0	546.5	793.6	3508.6	5693.8	6753.3	4685.8
70°	418.4	424.2	426.7	426.7	445.4	520.7	1497.8	3902.5	5326.9	3674.0
72.5°	381.0	368.8	370.1	363.7	363.7	396.5	603.1	2212.3	3356.0	2066.8
75°	310.9	318.6	319.9	315.4	300.6	302.5	357.9	928.2	1436.0	857.4
77.5°	268.4	268.4	271.0	267.8	256.2	226.6	238.8	359.8	488.5	351.4
80°	215.6	215.0	225.9	232.4	214.3	167.4	152.5	198.9	216.9	154.5
82.5°	104.9	111.4	155.1	177.0	162.8	121.0	93.3	123.6	115.9	68.2
85°	61.1	57.9	69.5	98.5	93.3	66.9	45.1	64.4	60.5	34.8
87.5°	19.3	18.0	14.2	33.5	27.0	18.7	12.2	18.7	16.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3119.8	0°	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8	3119.8
3130.1	2.5°	3084.4	3008.5	2933.2	2864.3	2822.4	2795.4	2768.4	2738.1	2726.5	2709.2
3138.5	5°	3053.5	2906.8	2776.1	2663.5	2561.1	2480.7	2399.6	2333.9	2304.3	2324.3
3164.9	7.5°	3035.5	2823.1	2621.6	2415.0	2216.1	2057.1	1918.7	1821.6	1777.8	1788.7
3190.6	10°	3019.4	2728.5	2421.4	2095.1	1809.3	1612.4	1470.8	1396.7	1369.1	1374.9
3225.4	12.5°	3004.6	2622.3	2180.1	1750.8	1446.9	1316.9	1276.4	1277.0	1282.2	1286.0
3280.7	15°	3002.0	2494.2	1910.4	1449.5	1251.3	1242.9	1286.7	1314.4	1329.2	1333.7
3327.1	17.5°	2998.2	2341.0	1635.5	1244.2	1203.6	1260.3	1300.8	1318.9	1330.4	1331.1
3372.1	20°	2982.7	2146.6	1381.9	1146.4	1193.3	1242.3	1267.4	1281.5	1291.2	1294.4
3406.2	22.5°	2935.1	1930.3	1184.3	1102.6	1152.2	1191.4	1221.0	1237.1	1242.9	1246.8
3412.7	25°	2849.5	1688.3	1047.9	1060.8	1094.9	1144.4	1168.2	1171.5	1169.5	1175.3
3396.6	27.5°	2737.5	1428.9	962.9	1004.1	1047.9	1090.4	1103.2	1101.3	1097.4	1103.9
3368.9	30°	2602.3	1195.9	908.8	940.4	1000.2	1038.9	1050.5	1045.9	1038.2	1045.3
3354.8	32.5°	2459.4	1005.4	864.4	896.0	961.0	999.0	1010.5	1006.0	1000.2	1006.0
3370.8	35°	2326.2	872.2	823.2	866.4	930.1	967.4	982.2	982.9	982.9	989.9
3413.3	37.5°	2203.9	794.3	789.1	847.7	908.8	942.3	963.6	964.8	937.2	939.1
3485.4	40°	2090.6	761.4	773.7	835.5	888.2	920.4	921.7	849.6	798.8	797.5
3567.8	42.5°	1997.9	755.0	778.2	834.2	873.4	874.7	784.0	728.0	713.8	714.5
3643.8	45°	1911.0	753.1	788.5	834.2	851.6	755.7	694.5	679.7	681.0	686.1
3677.9	47.5°	1813.8	745.4	790.4	822.6	788.5	672.0	654.0	647.5	644.9	646.2
3670.1	50°	1707.6	717.7	766.0	799.4	680.3	635.9	613.4	611.5	614.7	616.6
3627.0	52.5°	1595.6	672.6	724.1	757.6	630.8	604.4	579.3	583.8	598.0	602.5
3582.0	55°	1522.3	619.8	668.8	673.9	596.0	574.8	553.5	563.8	590.2	598.6
3554.9	57.5°	1502.9	563.8	605.7	599.9	551.6	549.0	536.2	545.2	578.6	590.9
3553.6	60°	1497.2	513.6	543.9	539.4	508.5	520.7	517.5	522.0	533.6	537.5
3540.8	62.5°	1452.1	473.7	488.5	482.1	469.9	491.1	498.8	489.2	498.2	502.7
3452.6	65°	1337.5	441.6	434.5	430.0	435.1	454.4	469.9	450.6	458.9	471.8
3112.7	67.5°	1148.3	397.8	378.5	383.6	399.7	410.0	430.0	408.1	415.2	437.0
2507.1	70°	928.8	342.4	325.0	339.9	355.3	376.5	379.8	365.0	381.7	406.1
1530.0	72.5°	657.2	286.4	274.2	304.5	309.6	337.3	330.2	323.1	346.3	354.7
756.3	75°	455.7	231.1	224.0	247.2	265.8	289.6	284.5	292.9	341.8	345.6
377.8	77.5°	288.4	179.6	175.1	189.9	215.6	242.0	250.4	345.6	583.8	607.0
196.3	80°	167.4	133.9	128.7	140.3	162.8	187.3	241.4	424.2	384.9	380.4
88.2	82.5°	93.3	92.0	85.6	88.8	108.8	135.2	341.1	298.7	242.7	250.4
35.4	85°	43.8	54.1	46.3	44.4	61.1	158.3	227.9	170.6	113.3	110.7
7.7	87.5°	11.6	10.3	10.3	11.6	25.7	136.5	90.8	72.7	43.1	41.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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