

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: P951113

Luminaire Tested: **GALN-SB5B-840-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951113
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-840-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28018 lumens
Efficiency: N/A
Efficacy: 153.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G4

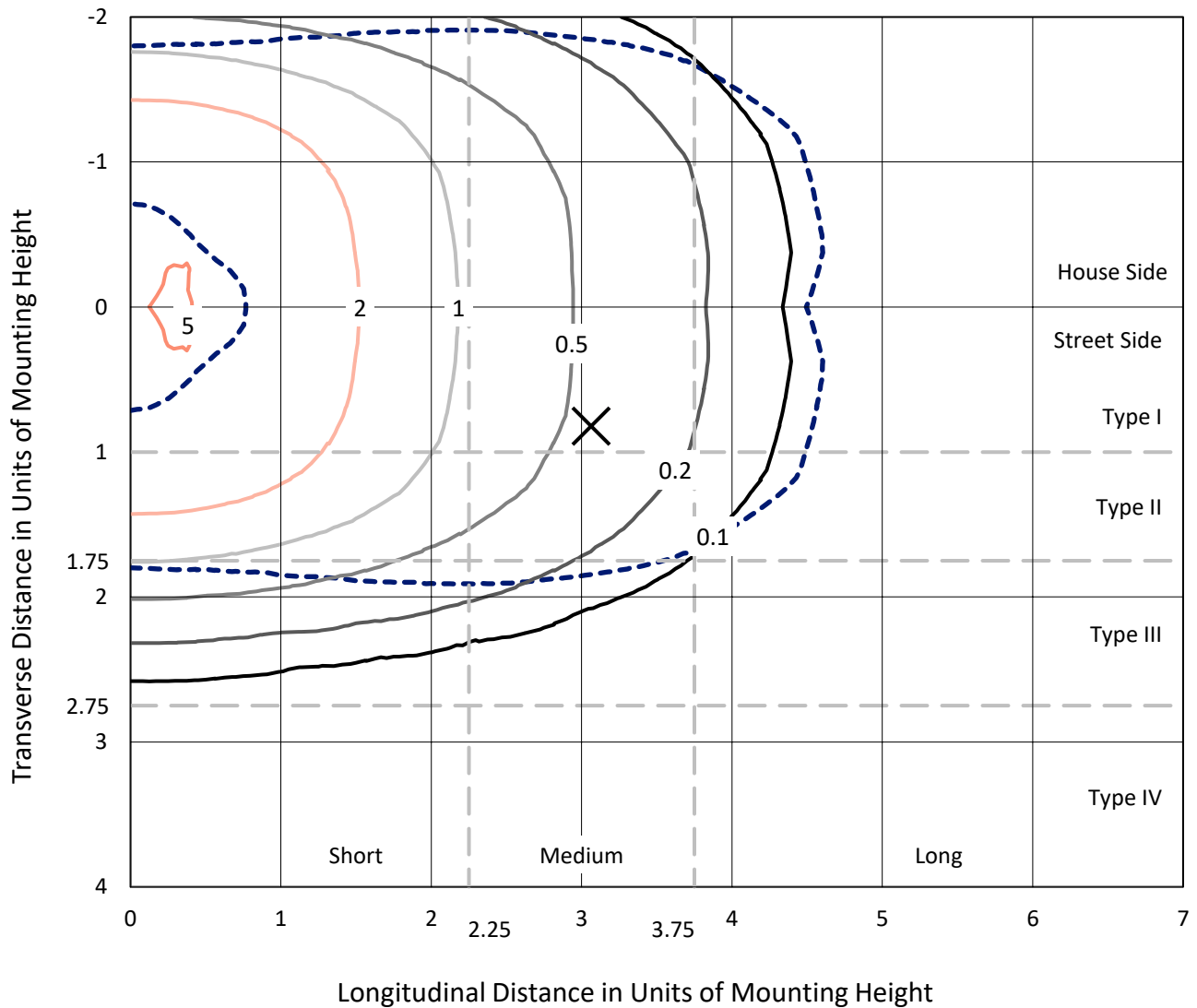
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951113
 CATALOG NUMBER: GALN-SB5B-840-U-RW

Iso-Footcandle Lines of Horizontal Illumination

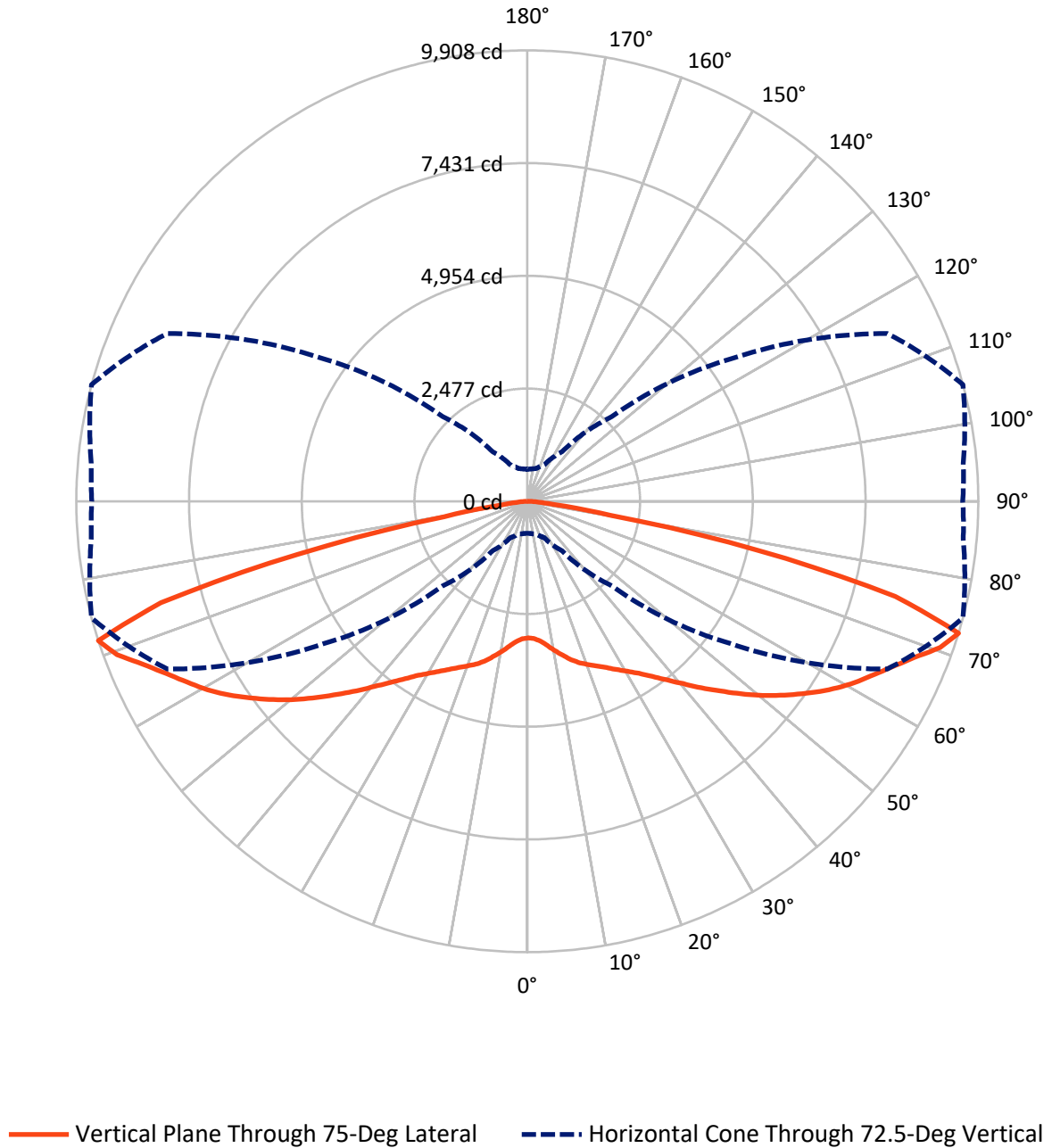
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P951113
CATALOG NUMBER: GALN-SB5B-840-U-RW

Luminous Intensity Polar Plot



REPORT NUMBER: P951113
 CATALOG NUMBER: GALN-SB5B-840-U-RW

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14009.0	0.0	14009.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14009.0	0.0	14009.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28018.0	0.0	28018.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.0	1.0
10°-20°	969.7	3.5
20°-30°	1873.7	6.7
30°-40°	3163.8	11.3
40°-50°	5017.4	17.9
50°-60°	6717.7	24.0
60°-70°	6393.1	22.8
70°-80°	3336.0	11.9
80°-90°	252.5	0.9
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°	28018.0	100.0
0°-180°	28018.0	100.0

Coefficient of Utilization



REPORT NUMBER: P951113

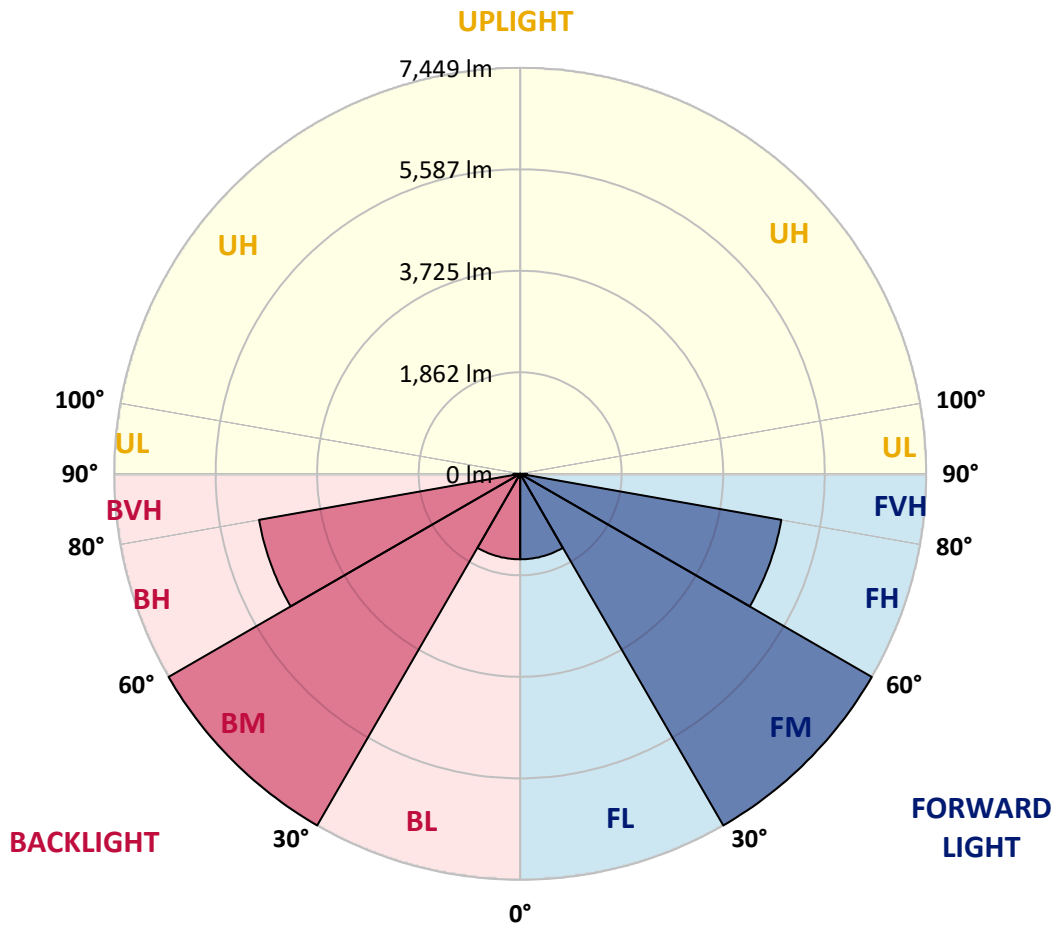
CATALOG NUMBER: GALN-SB5B-840-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.7	5.6			
FM (30°-60°)	7449.5	26.6			
FH (60°-80°)	4864.6	17.4			G2/5000
FVH (80°-90°)	126.3	0.5			G2/225
BL (0°-30°)	1568.7	5.6	B3/2500		
BM (30°-60°)	7449.5	26.6	B4/8500		
BH (60°-80°)	4864.6	17.4	B4/5000		G4/5000
BVH (80°-90°)	126.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Medium



REPORT NUMBER: P951113
 CATALOG NUMBER: GALN-SB5B-840-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2	3001.2
2.5°	3001.2	2998.4	3001.2	3004.1	3002.7	3002.7	3009.8	3014.1	3022.7	3021.3
5°	2981.2	2979.8	2991.2	3004.1	3014.1	3031.3	3052.7	3068.5	3088.5	3092.8
7.5°	2971.2	2966.9	2986.9	3009.8	3041.3	3084.2	3125.7	3168.6	3202.9	3214.4
10°	2978.3	2979.8	3007.0	3049.9	3099.9	3160.0	3218.7	3291.6	3340.3	3351.7
12.5°	3011.2	3008.4	3054.2	3122.8	3191.5	3267.3	3336.0	3416.1	3469.0	3496.2
15°	3071.3	3065.6	3130.0	3231.5	3331.7	3420.4	3476.2	3552.0	3613.5	3647.8
17.5°	3142.9	3145.7	3230.1	3361.7	3493.3	3593.5	3646.4	3685.0	3732.2	3762.3
20°	3268.7	3274.5	3368.9	3524.8	3675.0	3789.4	3832.4	3818.1	3830.9	3853.8
22.5°	3437.5	3440.4	3546.3	3715.1	3872.4	3998.3	4026.9	3968.3	3932.5	3948.2
25°	3633.5	3652.1	3758.0	3931.1	4092.7	4212.9	4225.8	4137.1	4048.4	4052.7
27.5°	3872.4	3889.6	3996.9	4168.5	4333.0	4437.5	4436.0	4317.3	4187.1	4154.2
30°	4131.3	4149.9	4260.1	4437.5	4590.5	4682.1	4662.1	4520.4	4334.5	4273.0
32.5°	4438.9	4450.3	4561.9	4739.3	4880.9	4953.9	4912.4	4737.9	4506.1	4436.0
35°	4810.8	4828.0	4911.0	5078.3	5202.8	5262.9	5192.8	4986.8	4726.4	4647.8
37.5°	5235.7	5224.3	5318.7	5467.4	5570.4	5607.6	5511.8	5267.2	4978.2	4885.2
40°	5679.2	5673.4	5776.4	5919.5	5975.3	5998.2	5856.5	5589.0	5268.6	5168.5
42.5°	6081.1	6076.8	6215.6	6374.4	6441.6	6415.9	6237.1	5930.9	5604.8	5490.3
45°	6403.0	6397.3	6567.5	6790.7	6922.3	6879.4	6639.0	6308.6	5945.2	5826.5
47.5°	6650.5	6653.3	6836.5	7112.5	7342.9	7358.6	7049.6	6693.4	6320.0	6185.6
50°	6829.3	6837.9	7033.9	7340.0	7654.7	7793.5	7468.7	7088.2	6707.7	6556.1
52.5°	6873.6	6889.4	7125.4	7484.5	7855.0	8119.6	7895.0	7467.3	7075.3	6930.9
55°	6637.6	6669.1	6968.1	7473.0	7978.0	8334.2	8269.8	7852.1	7445.9	7297.1
57.5°	6095.4	6139.8	6488.8	7148.3	7950.8	8481.5	8560.2	8221.2	7816.4	7673.3
60°	5335.8	5388.8	5723.5	6443.1	7567.4	8535.9	8764.8	8580.3	8156.8	8018.1
62.5°	4190.0	4258.7	4659.2	5503.2	6757.8	8282.7	8939.3	8905.0	8463.0	8289.9
65°	2687.9	2760.9	3182.9	4180.0	5677.7	7507.4	8993.7	9221.1	8786.2	8544.5
67.5°	1620.8	1653.7	1862.5	2533.4	4149.9	6338.6	8533.0	9571.6	9163.9	8863.5
70°	1037.1	1055.7	1180.2	1487.7	2346.1	4624.9	7391.5	9637.4	9621.7	9191.1
72.5°	703.8	709.5	742.4	881.2	1327.5	2627.9	5451.7	8724.7	9907.8	9613.1
75°	515.0	546.5	599.4	623.7	753.9	1313.2	3124.3	6129.8	8349.9	8478.7
77.5°	383.4	384.8	457.8	486.4	537.9	699.5	1321.8	3421.8	5184.2	5443.1
80°	324.7	307.6	306.1	392.0	404.8	436.3	590.8	1181.6	1856.8	1125.8
82.5°	270.4	251.8	227.5	306.1	276.1	267.5	256.1	480.7	590.8	290.4
85°	188.8	180.2	171.7	200.3	157.4	134.5	123.0	224.6	248.9	123.0
87.5°	81.5	84.4	85.8	88.7	65.8	47.2	47.2	62.9	62.9	48.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3001.2
3019.8
3092.8
3217.2
3363.2
3507.6
3660.7
3776.6
3871.0
3959.7
4059.8
4164.2
4280.1
4453.2
4659.2
4902.4
5201.4
5518.9
5853.7
6225.6
6601.8
6968.1
7338.6
7706.2
8048.1
8309.9
8574.5
8886.4
9188.2
9567.3
8166.8
4855.2
851.2
247.5
108.7
35.8
0.0

OF REPORT)