

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: P955439

Luminaire Tested: **GALN-SB8B-927-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955439  
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-SB8B-927-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

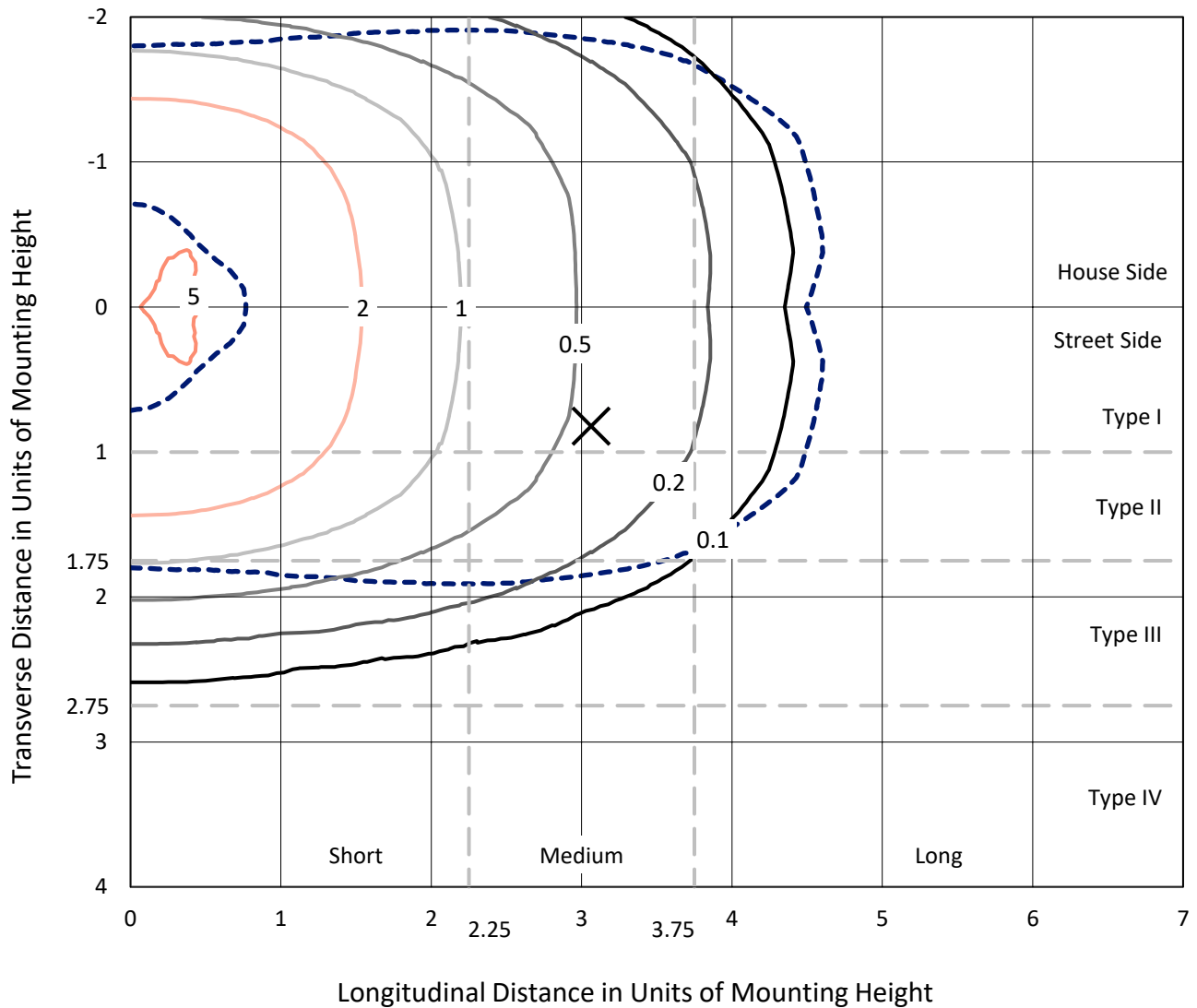
Lumens per Lamp: N/A  
Luminaire Lumens: 28541 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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

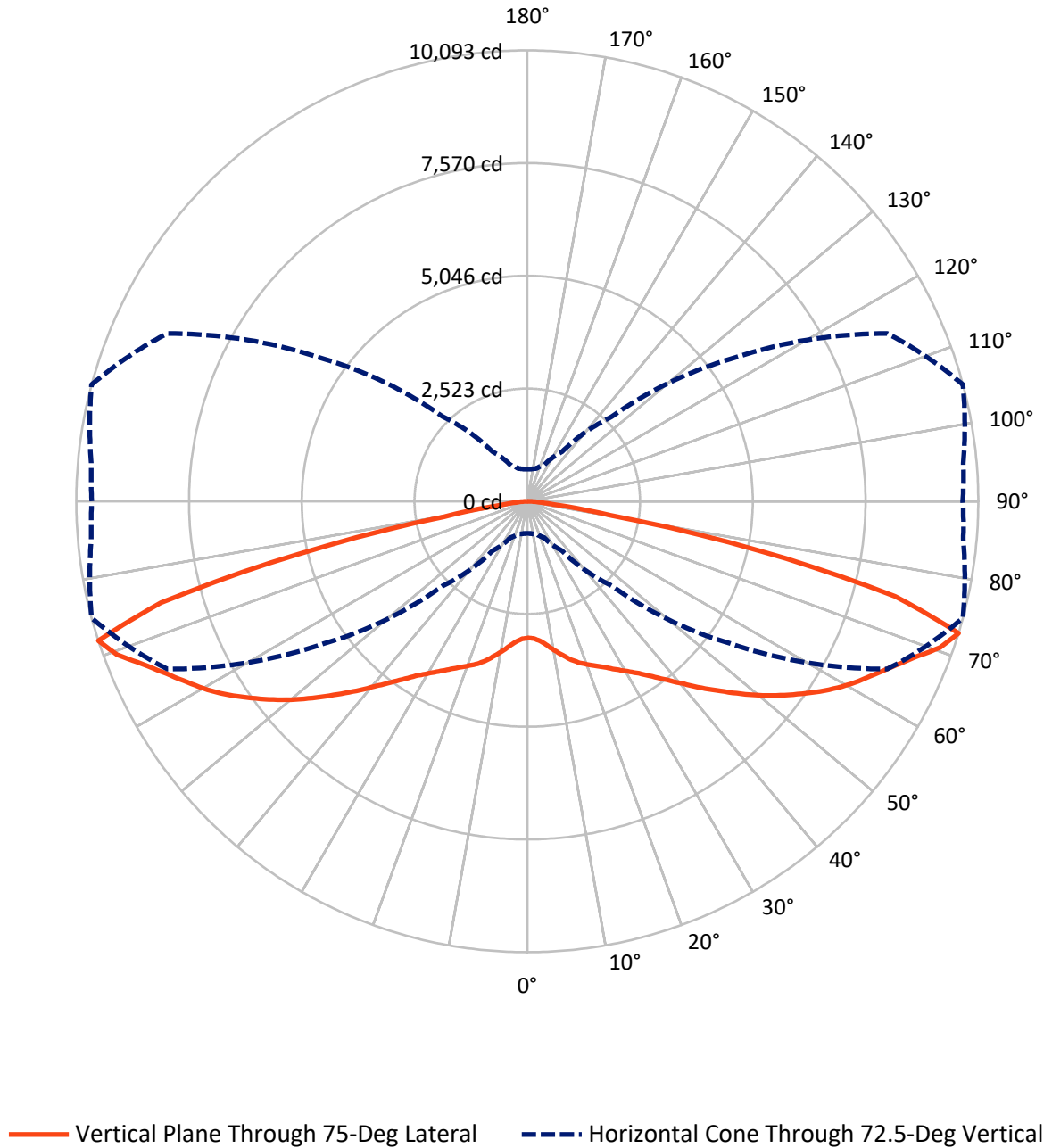
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	14270.5	0.0	14270.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14270.5	0.0	14270.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28541.0	0.0	28541.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.5	1.0
10°-20°	987.8	3.5
20°-30°	1908.6	6.7
30°-40°	3222.8	11.3
40°-50°	5111.1	17.9
50°-60°	6843.1	24.0
60°-70°	6512.5	22.8
70°-80°	3398.3	11.9
80°-90°	257.2	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°	28541.0	100.0
0°-180°	28541.0	100.0

**Coefficient of Utilization**



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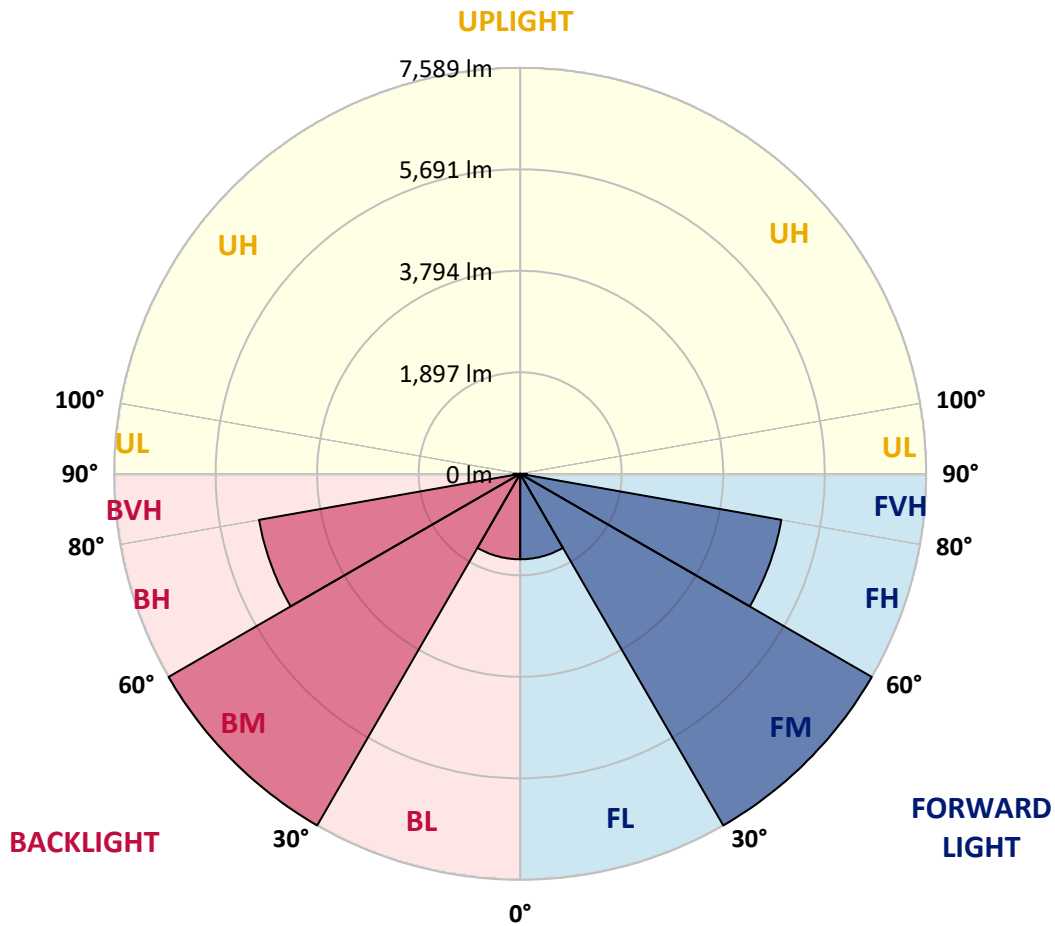
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1597.9	5.6			
FM (30°-60°)	7588.5	26.6			
FH (60°-80°)	4955.4	17.4			G2/5000
FVH (80°-90°)	128.6	0.5			G2/225
BL (0°-30°)	1597.9	5.6	B3/2500		
BM (30°-60°)	7588.5	26.6	B4/8500		
BH (60°-80°)	4955.4	17.4	B4/5000		G4/5000
BVH (80°-90°)	128.6	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3057.3	3057.3	3057.3	3057.3	3057.3	3057.3	3057.3	3057.3	3057.3	3057.3
2.5°	3057.3	3054.3	3057.3	3060.2	3058.7	3058.7	3066.0	3070.4	3079.1	3077.7
5°	3036.9	3035.4	3047.1	3060.2	3070.4	3087.9	3109.7	3125.7	3146.1	3150.5
7.5°	3026.7	3022.3	3042.7	3066.0	3098.1	3141.8	3184.0	3227.7	3262.7	3274.4
10°	3033.9	3035.4	3063.1	3106.8	3157.8	3219.0	3278.7	3353.1	3402.6	3414.3
12.5°	3067.5	3064.5	3111.2	3181.1	3251.1	3328.3	3398.2	3479.8	3533.8	3561.5
15°	3128.7	3122.8	3188.4	3291.9	3393.9	3484.2	3541.0	3618.3	3680.9	3715.9
17.5°	3201.5	3204.4	3290.4	3424.5	3558.5	3660.5	3714.5	3753.8	3801.9	3832.5
20°	3329.8	3335.6	3431.8	3590.6	3743.6	3860.2	3903.9	3889.3	3902.4	3925.8
22.5°	3501.7	3504.6	3612.5	3784.4	3944.7	4072.9	4102.1	4042.3	4005.9	4021.9
25°	3701.3	3720.3	3828.1	4004.4	4169.1	4291.5	4304.6	4214.3	4123.9	4128.3
27.5°	3944.7	3962.2	4071.5	4246.3	4413.9	4520.3	4518.8	4397.9	4265.3	4231.8
30°	4208.5	4227.4	4339.6	4520.3	4676.2	4769.5	4749.1	4604.8	4415.4	4352.7
32.5°	4521.8	4533.4	4647.1	4827.8	4972.0	5046.4	5004.1	4826.3	4590.2	4518.8
35°	4900.6	4918.1	5002.6	5173.1	5299.9	5361.1	5289.7	5079.9	4814.7	4734.5
37.5°	5333.4	5321.8	5418.0	5569.5	5674.4	5712.3	5614.7	5365.5	5071.1	4976.4
40°	5785.2	5779.3	5884.3	6030.0	6086.8	6110.1	5965.9	5693.4	5366.9	5264.9
42.5°	6194.7	6190.3	6331.6	6493.4	6561.9	6535.6	6353.5	6041.6	5709.4	5592.8
45°	6522.5	6516.7	6690.1	6917.4	7051.5	7007.8	6763.0	6426.3	6056.2	5935.3
47.5°	6774.6	6777.5	6964.1	7245.3	7479.9	7496.0	7181.2	6818.3	6438.0	6301.0
50°	6956.8	6965.5	7165.2	7477.0	7797.6	7938.9	7608.2	7220.5	6832.9	6678.4
52.5°	7002.0	7018.0	7258.4	7624.2	8001.6	8271.2	8042.4	7606.7	7207.4	7060.2
55°	6761.5	6793.6	7098.1	7612.5	8126.9	8489.8	8424.2	7998.7	7584.8	7433.3
57.5°	6209.2	6254.4	6610.0	7281.7	8099.2	8639.9	8720.0	8374.7	7962.3	7816.5
60°	5435.4	5489.4	5830.3	6563.3	7708.7	8695.2	8928.4	8740.4	8309.1	8167.7
62.5°	4268.2	4338.2	4746.2	5605.9	6883.9	8437.3	9106.2	9071.2	8620.9	8444.6
65°	2738.1	2812.4	3242.3	4258.0	5783.7	7647.5	9161.6	9393.3	8950.3	8704.0
67.5°	1651.0	1684.5	1897.3	2580.7	4227.4	6457.0	8692.3	9750.3	9335.0	9028.9
70°	1056.5	1075.4	1202.2	1515.5	2389.8	4711.2	7529.5	9817.3	9801.3	9362.7
72.5°	717.0	722.8	756.3	897.6	1352.3	2676.9	5553.5	8887.6	10092.7	9792.5
75°	524.6	556.7	610.6	635.3	768.0	1337.7	3182.6	6244.2	8505.8	8637.0
77.5°	390.5	392.0	466.3	495.5	547.9	712.6	1346.5	3485.7	5281.0	5544.7
80°	330.8	313.3	311.8	399.3	412.4	444.5	601.8	1203.7	1891.5	1146.8
82.5°	275.4	256.5	231.7	311.8	281.2	272.5	260.8	489.6	601.8	295.8
85°	192.4	183.6	174.9	204.0	160.3	137.0	125.3	228.8	253.6	125.3
87.5°	83.1	86.0	87.4	90.3	67.0	48.1	48.1	64.1	64.1	49.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
3057.3  
3076.2  
3150.5  
3277.3  
3425.9  
3573.1  
3729.0  
3847.1  
3943.2  
4033.6  
4135.6  
4242.0  
4360.0  
4536.3  
4746.2  
4993.9  
5298.5  
5622.0  
5963.0  
6341.8  
6725.1  
7098.1  
7475.5  
7850.1  
8198.3  
8465.0  
8734.6  
9052.3  
9359.7  
9745.9  
8319.3  
4945.8  
867.0  
252.1  
110.7  
36.4  
0.0

OF REPORT)