

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: P955145

Luminaire Tested: **GALN-SB8A-940-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955145  
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-SB8A-940-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

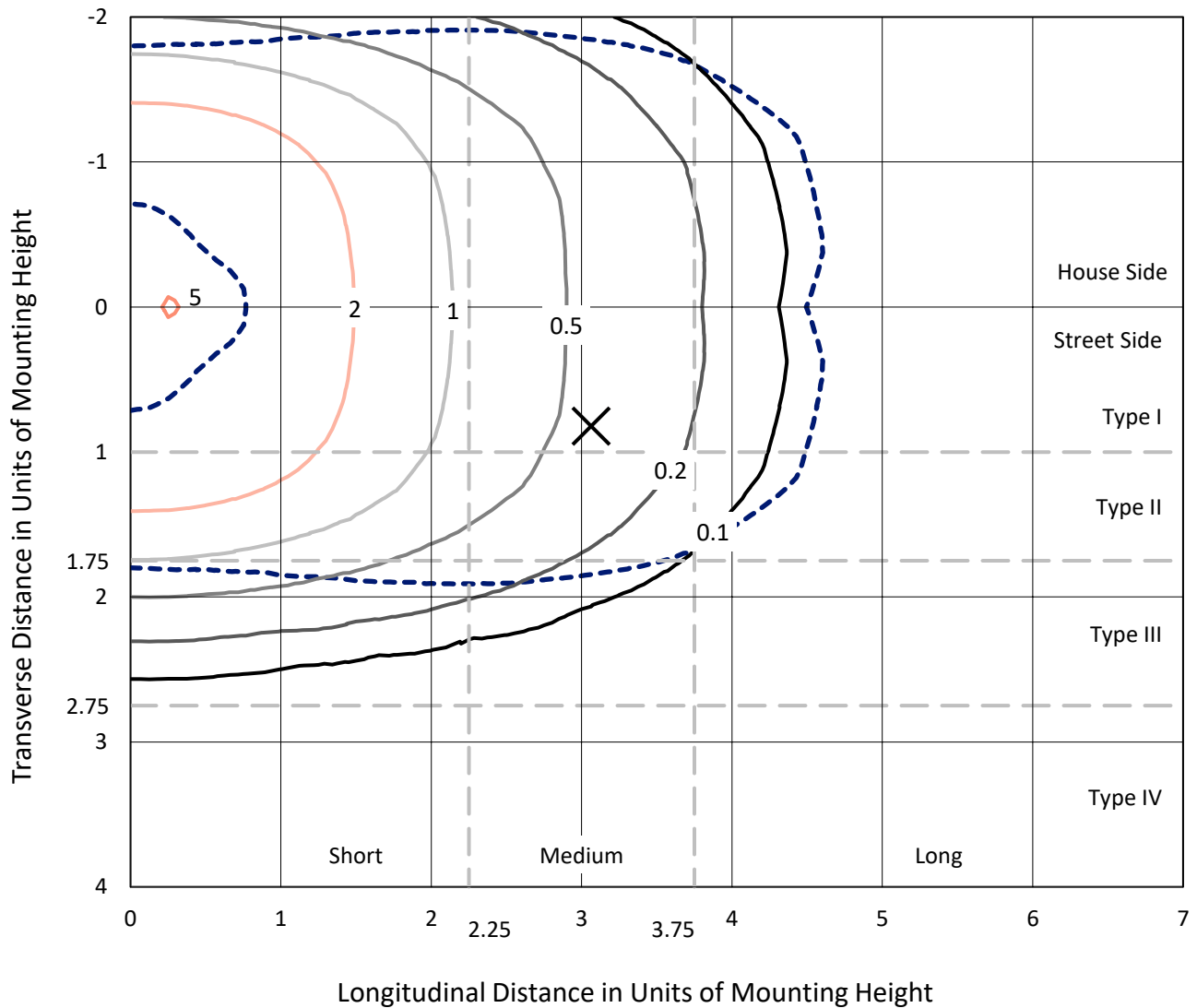
Lumens per Lamp: N/A  
Luminaire Lumens: 27067 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

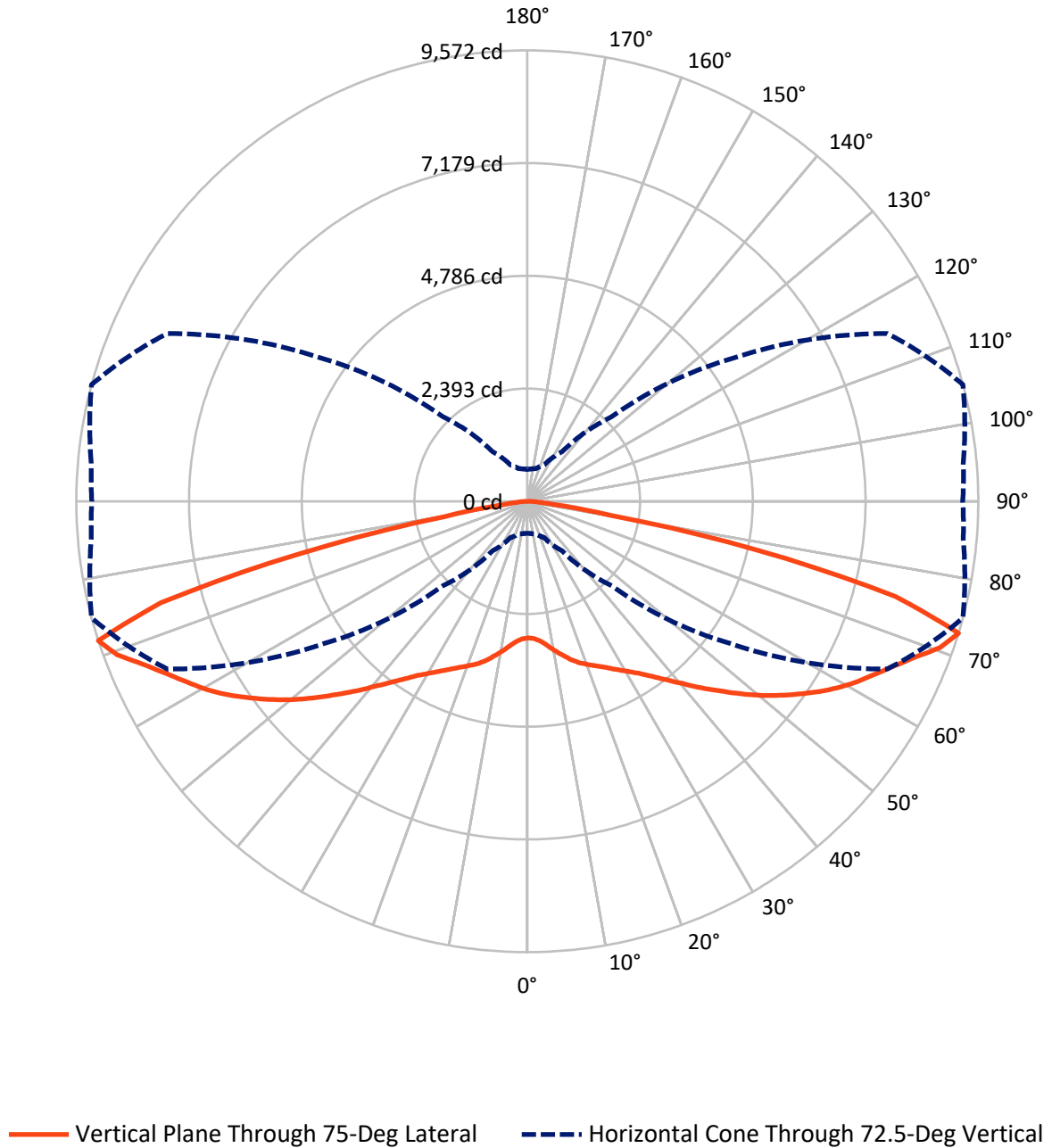
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	13533.5	0.0	13533.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13533.5	0.0	13533.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	27067.0	0.0	27067.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.0	1.0
10°-20°	936.7	3.5
20°-30°	1810.1	6.7
30°-40°	3056.4	11.3
40°-50°	4847.1	17.9
50°-60°	6489.7	24.0
60°-70°	6176.1	22.8
70°-80°	3222.8	11.9
80°-90°	243.9	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°	27067.0	100.0
0°-180°	27067.0	100.0

**Coefficient of Utilization**



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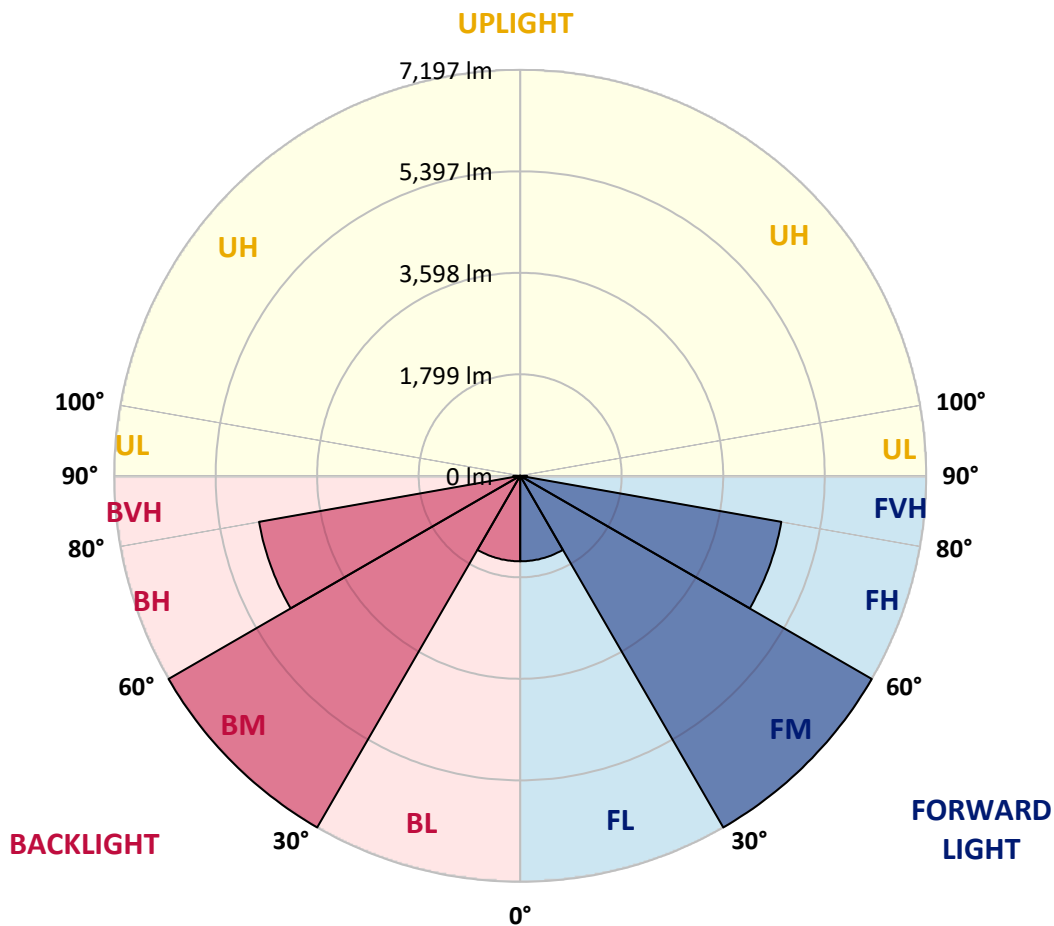
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1515.4	5.6			
FM (30°-60°)	7196.6	26.6			
FH (60°-80°)	4699.5	17.4			G2/5000
FVH (80°-90°)	122.0	0.5			G2/225
BL (0°-30°)	1515.4	5.6	B3/2500		
BM (30°-60°)	7196.6	26.6	B4/8500		
BH (60°-80°)	4699.5	17.4	B4/5000		G4/5000
BVH (80°-90°)	122.0	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°	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4	2899.4
2.5°	2899.4	2896.6	2899.4	2902.1	2900.7	2900.7	2907.7	2911.8	2920.1	2918.7
5°	2880.0	2878.6	2889.7	2902.1	2911.8	2928.4	2949.1	2964.3	2983.7	2987.8
7.5°	2870.3	2866.2	2885.5	2907.7	2938.1	2979.5	3019.6	3061.1	3094.2	3105.3
10°	2877.2	2878.6	2904.9	2946.3	2994.7	3052.8	3109.4	3179.9	3226.9	3237.9
12.5°	2909.0	2906.3	2950.5	3016.8	3083.2	3156.4	3222.7	3300.1	3351.3	3377.5
15°	2967.1	2961.5	3023.7	3121.9	3218.6	3304.3	3358.2	3431.4	3490.8	3524.0
17.5°	3036.2	3038.9	3120.5	3247.6	3374.8	3471.5	3522.6	3559.9	3605.5	3634.6
20°	3157.8	3163.3	3254.5	3405.2	3550.3	3660.8	3702.3	3688.5	3700.9	3723.0
22.5°	3320.9	3323.6	3425.9	3589.0	3741.0	3862.6	3890.2	3833.6	3799.0	3814.2
25°	3510.2	3528.2	3630.4	3797.6	3953.8	4069.9	4082.3	3996.6	3911.0	3915.1
27.5°	3741.0	3757.6	3861.2	4027.0	4186.0	4286.9	4285.5	4170.8	4045.0	4013.2
30°	3991.1	4009.1	4115.5	4286.9	4434.7	4523.2	4503.8	4367.0	4187.4	4127.9
32.5°	4288.2	4299.3	4407.1	4578.4	4715.3	4785.7	4745.7	4577.1	4353.2	4285.5
35°	4647.5	4664.1	4744.3	4906.0	5026.2	5084.2	5016.5	4817.5	4566.0	4490.0
37.5°	5058.0	5046.9	5138.1	5281.9	5381.4	5417.3	5324.7	5088.4	4809.2	4719.4
40°	5486.4	5480.9	5580.4	5718.6	5772.5	5794.6	5657.8	5399.3	5089.8	4993.0
42.5°	5874.7	5870.6	6004.6	6158.0	6223.0	6198.1	6025.4	5729.6	5414.5	5304.0
45°	6185.7	6180.1	6344.6	6560.2	6687.3	6645.9	6413.7	6094.5	5743.4	5628.7
47.5°	6424.8	6427.5	6604.4	6871.1	7093.6	7108.8	6810.3	6466.2	6105.5	5975.6
50°	6597.5	6605.8	6795.1	7090.9	7394.9	7528.9	7215.2	6847.6	6480.0	6333.5
52.5°	6640.3	6655.5	6883.6	7230.4	7588.4	7844.0	7627.1	7213.9	6835.2	6695.6
55°	6412.3	6442.7	6731.5	7219.4	7707.2	8051.3	7989.1	7585.6	7193.1	7049.4
57.5°	5888.5	5931.4	6268.6	6905.7	7681.0	8193.7	8269.7	7942.1	7551.1	7412.9
60°	5154.7	5205.9	5529.2	6224.4	7310.6	8246.2	8467.3	8289.0	7880.0	7745.9
62.5°	4047.8	4114.1	4501.1	5316.4	6528.4	8001.6	8635.9	8602.7	8175.7	8008.5
65°	2596.7	2667.2	3074.9	4038.1	5485.0	7252.5	8688.4	8908.1	8488.0	8254.5
67.5°	1565.8	1597.6	1799.3	2447.5	4009.1	6123.5	8243.4	9246.7	8852.9	8562.6
70°	1001.9	1019.9	1140.1	1437.2	2266.4	4467.9	7140.6	9310.3	9295.1	8879.1
72.5°	679.9	685.5	717.2	851.3	1282.5	2538.7	5266.7	8428.6	9571.5	9286.8
75°	497.5	527.9	579.0	602.5	728.3	1268.6	3018.2	5921.7	8066.5	8190.9
77.5°	370.4	371.7	442.2	469.9	519.6	675.8	1276.9	3305.7	5008.2	5258.4
80°	313.7	297.1	295.7	378.7	391.1	421.5	570.8	1141.5	1793.8	1087.6
82.5°	261.2	243.2	219.7	295.7	266.7	258.4	247.4	464.3	570.8	280.5
85°	182.4	174.1	165.8	193.5	152.0	129.9	118.8	217.0	240.5	118.8
87.5°	78.8	81.5	82.9	85.7	63.6	45.6	45.6	60.8	60.8	47.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2899.4
2917.3
2987.8
3108.0
3249.0
3388.6
3536.4
3648.4
3739.6
3825.3
3922.0
4022.9
4134.8
4302.1
4501.1
4736.0
5024.8
5331.6
5655.0
6014.3
6377.8
6731.5
7089.5
7444.6
7774.9
8027.8
8283.5
8584.8
8876.4
9242.6
7889.6
4690.4
822.3
239.1
105.0
34.5
0.0

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