

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: P943723

Luminaire Tested: **GALN-SB8B-830-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P943723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB8B-830-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40475 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

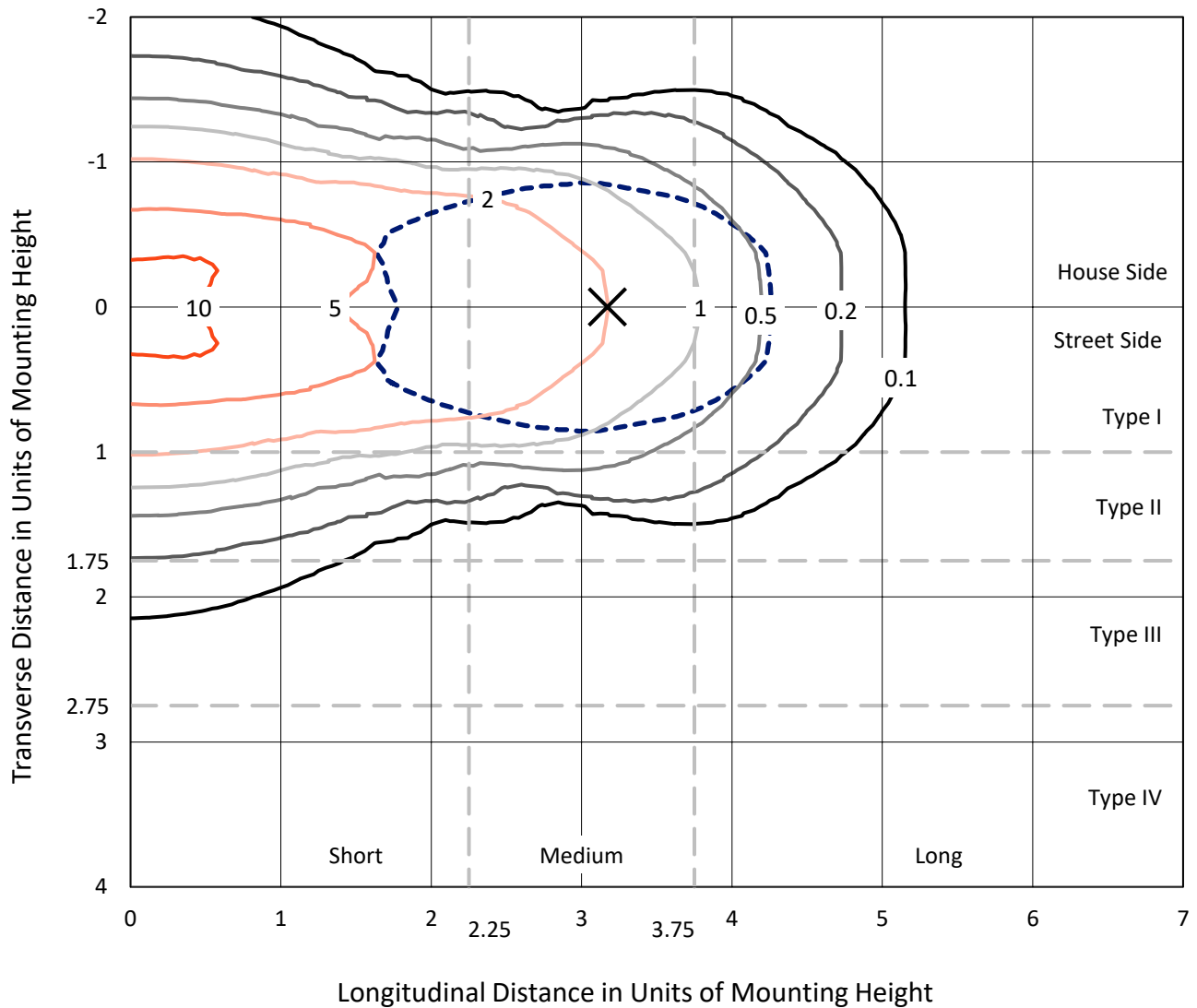
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

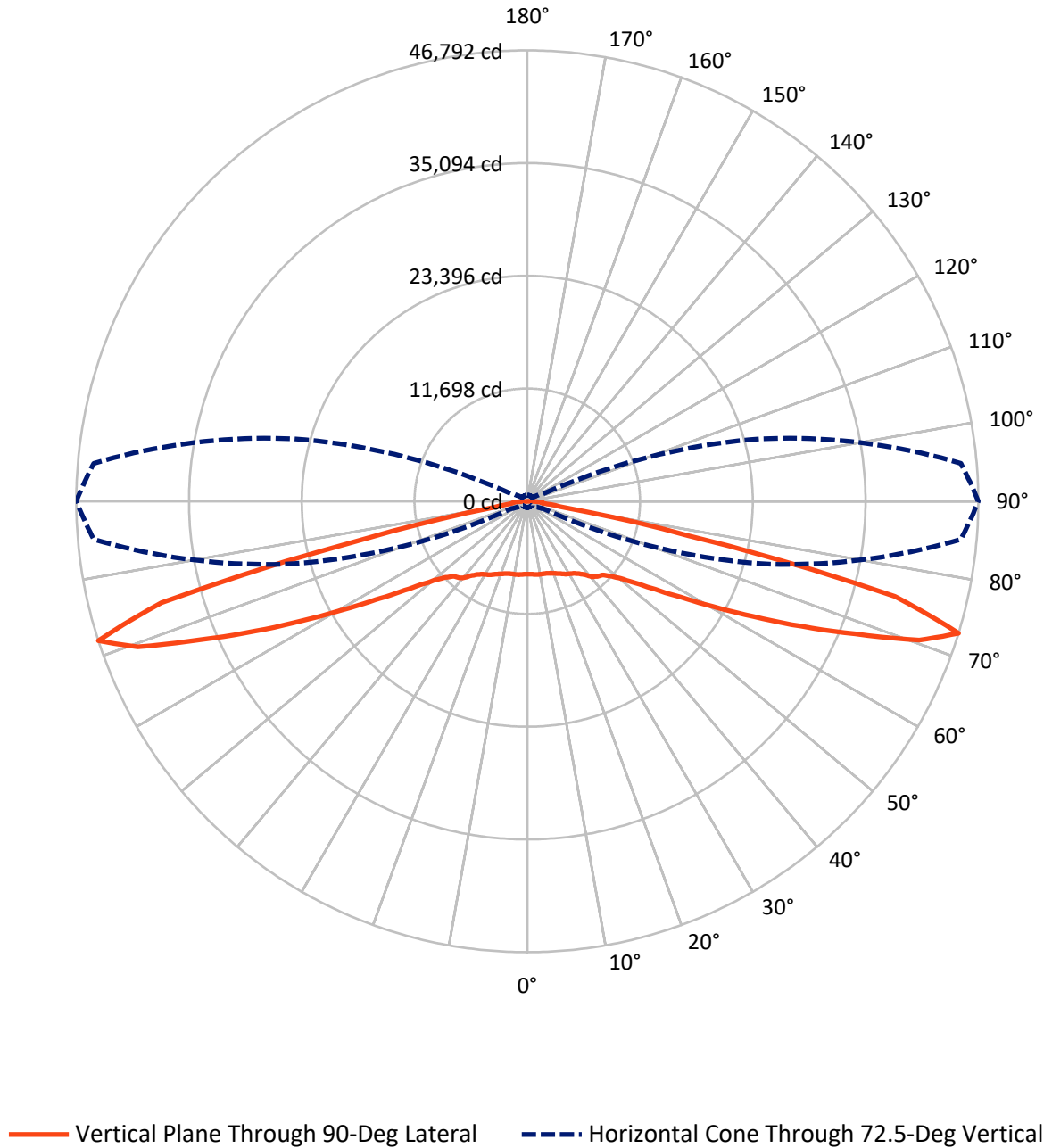
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	20237.5	0.0	20237.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20237.5	0.0	20237.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40475.0	0.0	40475.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	733.3	1.8
10°-20°	2242.3	5.5
20°-30°	3738.8	9.2
30°-40°	5142.0	12.7
40°-50°	6279.8	15.5
50°-60°	7263.2	17.9
60°-70°	8660.2	21.4
70°-80°	6044.2	14.9
80°-90°	371.2	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°	40475.0	100.0
0°-180°	40475.0	100.0

**Coefficient of Utilization**



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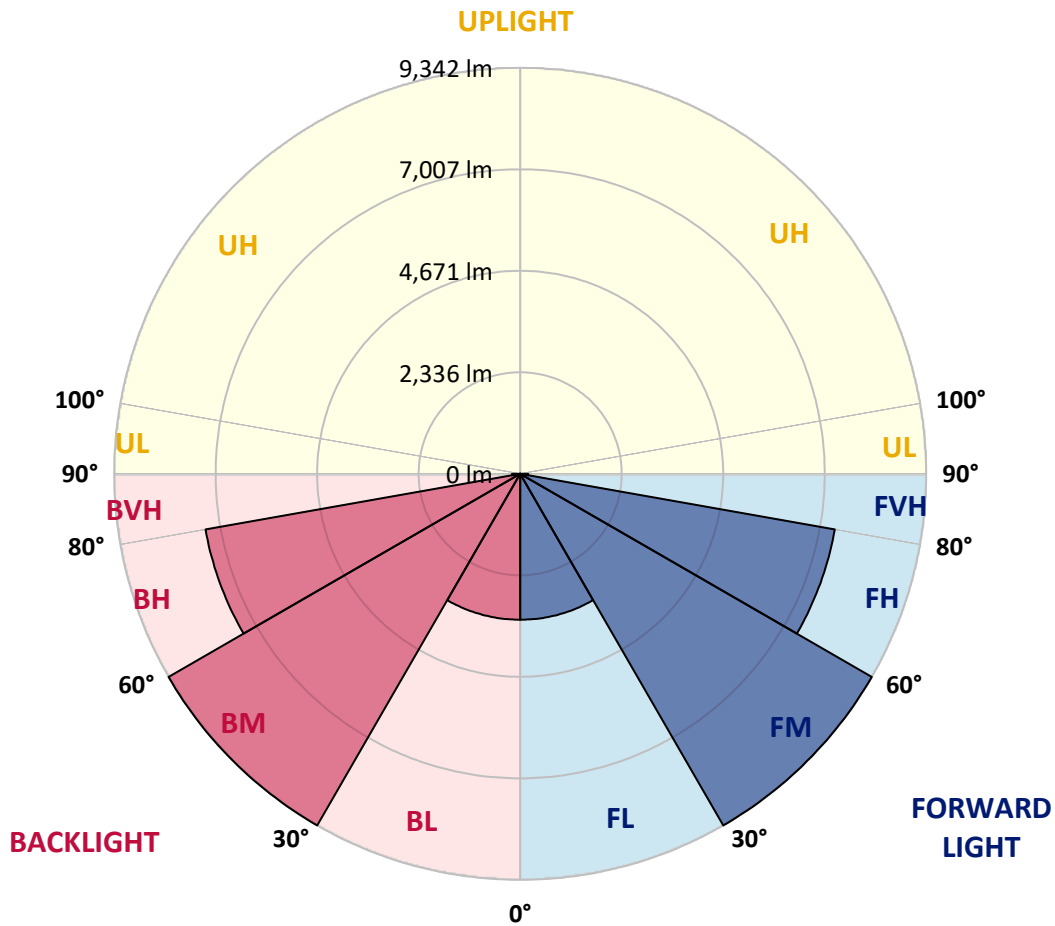
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3357.2	8.3			
FM (30°-60°)	9342.5	23.1			
FH (60°-80°)	7352.2	18.2			G3/7500
FVH (80°-90°)	185.6	0.5			G2/225
BL (0°-30°)	3357.2	8.3	B4/5000		
BM (30°-60°)	9342.5	23.1	B5		
BH (60°-80°)	7352.2	18.2	B5		G5
BVH (80°-90°)	185.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7563.2	7563.2	7563.2	7563.2	7563.2	7563.2	7563.2	7563.2	7563.2	7563.2
2.5°	7569.6	7578.2	7578.2	7571.8	7586.8	7573.9	7573.9	7567.5	7573.9	7567.5
5°	7608.4	7619.1	7623.4	7621.3	7640.6	7629.9	7629.9	7621.3	7623.4	7617.0
7.5°	7681.5	7696.5	7705.2	7715.9	7743.9	7731.0	7722.4	7696.5	7685.8	7668.6
10°	7705.2	7722.4	7750.3	7806.3	7870.8	7872.9	7847.1	7782.6	7733.1	7694.4
12.5°	7632.0	7655.7	7713.8	7827.8	7971.9	8030.0	7989.1	7881.5	7784.7	7715.9
15°	7539.5	7565.3	7653.5	7825.6	8038.6	8174.1	8169.8	8027.8	7872.9	7765.4
17.5°	7395.4	7421.2	7548.1	7789.0	8090.2	8313.9	8374.1	8227.9	8010.6	7866.5
20°	7135.1	7158.8	7335.2	7672.9	8107.4	8462.3	8619.4	8490.3	8219.3	8023.5
22.5°	6797.4	6834.0	7040.5	7472.8	8066.5	8617.2	8899.0	8810.8	8462.3	8191.3
25°	6436.0	6474.7	6715.7	7227.6	7961.1	8729.1	9230.3	9174.3	8737.7	8399.9
27.5°	6124.1	6165.0	6427.4	6984.5	7797.6	8772.1	9557.2	9585.2	9071.1	8630.1
30°	5878.9	5917.6	6197.2	6788.8	7586.8	8729.1	9843.3	10036.9	9411.0	8830.2
32.5°	5610.0	5659.5	5954.2	6550.0	7337.3	8625.8	10092.8	10525.2	9804.6	9045.3
35°	5270.1	5315.3	5625.1	6223.1	7010.4	8460.2	10301.5	11067.3	10368.2	9372.2
37.5°	4857.1	4900.1	5207.8	5814.4	6685.5	8227.9	10460.7	11678.2	11039.3	9843.3
40°	4442.0	4482.8	4771.1	5358.3	6296.2	7931.0	10516.6	12276.2	11809.4	10490.8
42.5°	4061.2	4097.8	4362.4	4908.8	5859.5	7552.4	10443.5	12796.7	12499.9	10942.5
45°	3710.6	3742.9	3977.3	4487.1	5405.7	7092.1	10224.1	13356.0	13321.6	11265.2
47.5°	3310.5	3342.8	3585.8	4078.4	4951.8	6552.2	9851.9	13906.7	14463.8	11996.5
50°	2822.2	2850.2	3099.7	3607.4	4480.7	5977.8	9335.7	14339.1	15905.1	13104.4
52.5°	2243.6	2273.7	2516.8	3024.4	3921.4	5360.5	8655.9	14620.9	17570.0	14722.0
55°	1669.2	1690.7	1901.6	2357.6	3228.8	4657.1	7804.1	14700.4	19458.6	16933.3
57.5°	1211.1	1224.0	1359.5	1699.3	2447.9	3777.3	6769.4	14493.9	21706.5	19768.4
60°	980.9	985.2	1026.1	1176.6	1701.5	2783.5	5519.7	13784.1	24145.8	23423.1
62.5°	890.5	890.5	901.3	942.2	1150.8	1837.0	4007.5	12312.8	26761.5	28041.4
65°	828.2	828.2	832.5	851.8	907.8	1170.2	2529.7	9916.5	28966.4	33451.4
67.5°	772.2	774.4	772.2	778.7	811.0	864.7	1467.0	6849.0	30153.8	39057.1
70°	714.2	718.5	707.7	707.7	733.5	735.7	918.5	3755.8	29168.6	43755.0
72.5°	645.3	651.8	634.6	630.3	649.6	641.0	690.5	1802.6	25042.8	45157.5
75°	585.1	593.7	555.0	544.2	544.2	537.8	561.4	925.0	16253.5	36837.2
77.5°	531.3	548.5	486.1	451.7	443.1	423.8	458.2	565.7	7109.3	17294.6
80°	438.8	462.5	400.1	359.2	344.2	322.7	361.4	395.8	2114.5	4016.1
82.5°	327.0	337.7	283.9	256.0	243.1	228.0	271.0	275.3	688.3	1421.9
85°	208.7	213.0	174.2	150.6	144.1	137.7	172.1	150.6	262.4	1045.4
87.5°	73.1	83.9	66.7	60.2	64.5	53.8	79.6	45.2	73.1	737.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7563.2  
7567.5  
7617.0  
7668.6  
7687.9  
7705.2  
7748.2  
7842.8  
7986.9  
8141.8  
8331.1  
8557.0  
8724.8  
8911.9  
9223.8  
9645.4  
10280.0  
10671.5  
10899.5  
11574.9  
12575.2  
14070.2  
16118.0  
18742.3  
22130.3  
26309.8  
31261.6  
36693.0  
43133.4  
46792.3  
39401.2  
16935.4  
3846.1  
1606.9  
1518.7  
914.2  
0.0

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