

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: P941693

Luminaire Tested: **GALN-SB5B-835-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941693  
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-SB5B-835-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26100 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

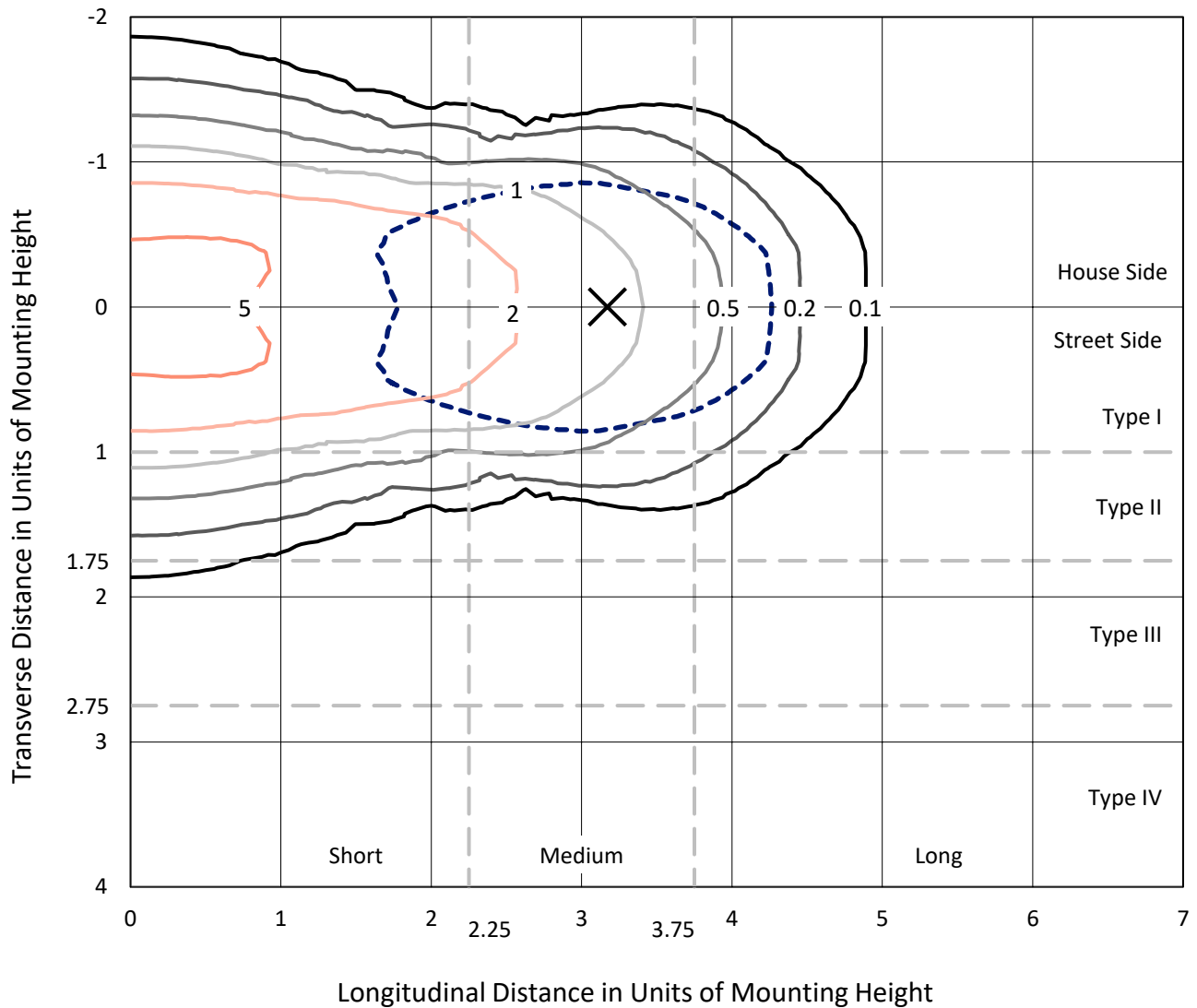
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

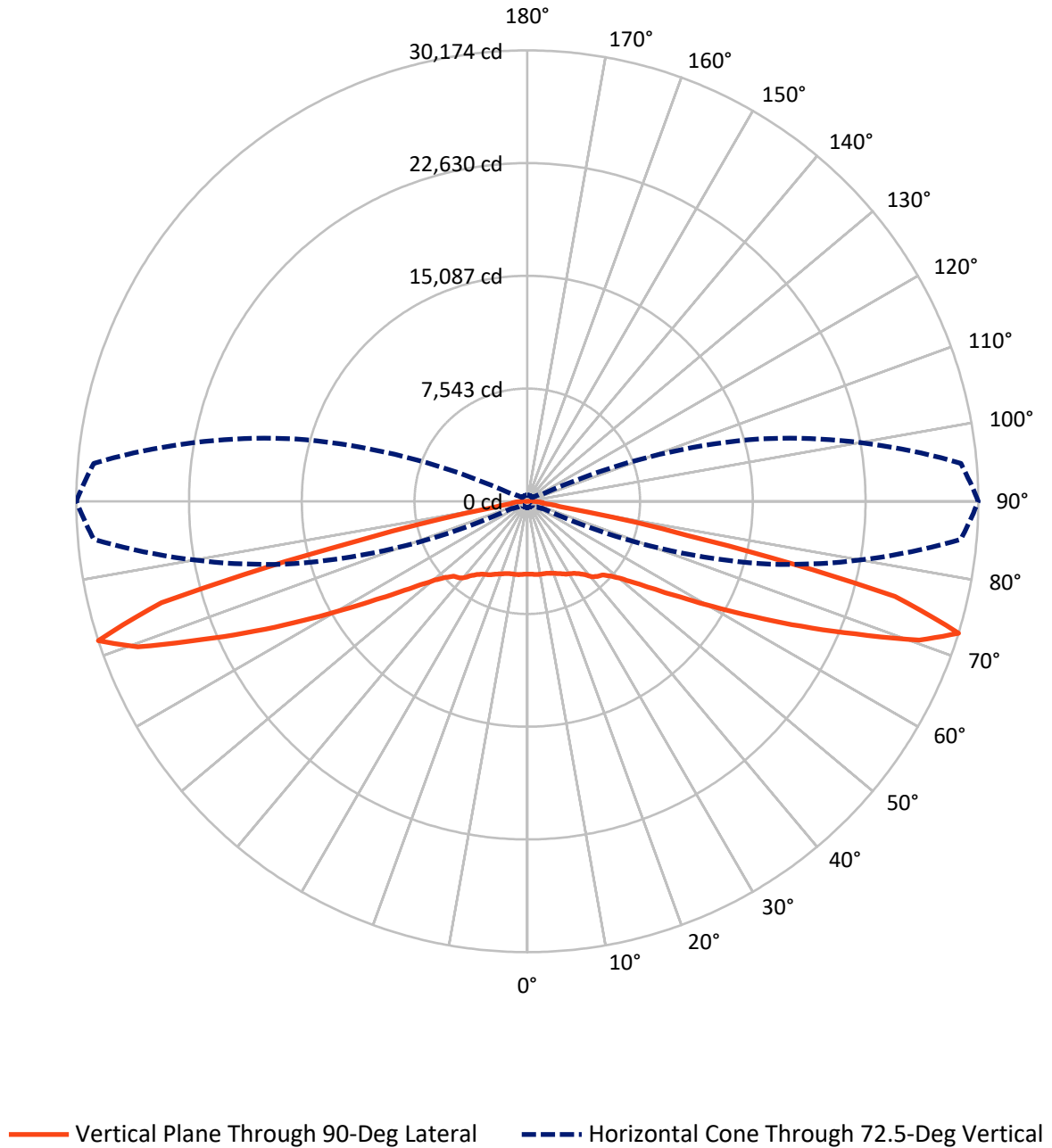
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	13050.0	0.0	13050.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	13050.0	0.0	13050.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	26100.0	0.0	26100.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	472.9	1.8
10°-20°	1445.9	5.5
20°-30°	2410.9	9.2
30°-40°	3315.8	12.7
40°-50°	4049.5	15.5
50°-60°	4683.6	17.9
60°-70°	5584.5	21.4
70°-80°	3897.6	14.9
80°-90°	239.4	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°	26100.0	100.0
0°-180°	26100.0	100.0

**Coefficient of Utilization**



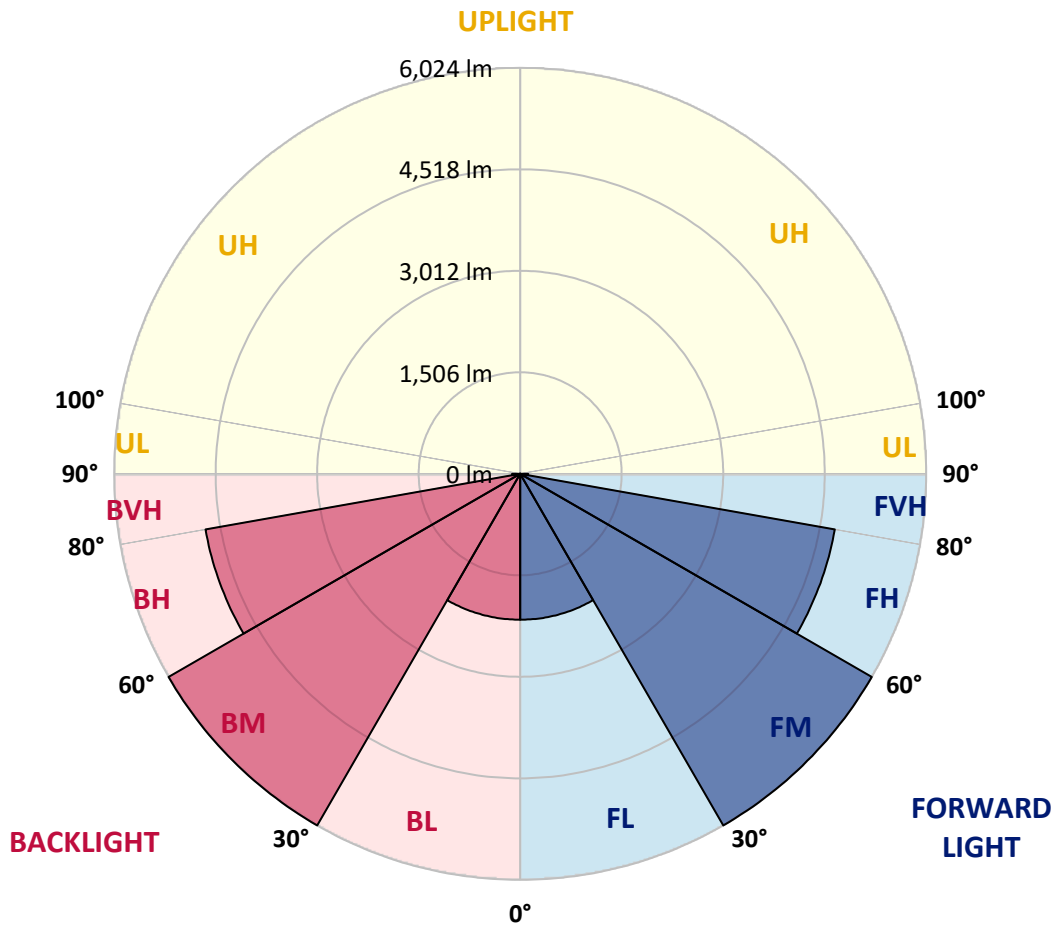
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2164.9	8.3			
FM (30°-60°)	6024.4	23.1			
FH (60°-80°)	4741.0	18.2			G2/5000
FVH (80°-90°)	119.7	0.5			G2/225
BL (0°-30°)	2164.9	8.3	B3/2500		
BM (30°-60°)	6024.4	23.1	B4/8500		
BH (60°-80°)	4741.0	18.2	B4/5000		G4/5000
BVH (80°-90°)	119.7	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 I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4877.1	4877.1	4877.1	4877.1	4877.1	4877.1	4877.1	4877.1	4877.1	4877.1
2.5°	4881.2	4886.8	4886.8	4882.6	4892.3	4884.0	4884.0	4879.8	4884.0	4879.8
5°	4906.2	4913.1	4915.9	4914.5	4927.0	4920.1	4920.1	4914.5	4915.9	4911.7
7.5°	4953.4	4963.1	4968.6	4975.5	4993.6	4985.3	4979.7	4963.1	4956.1	4945.0
10°	4968.6	4979.7	4997.7	5033.8	5075.4	5076.8	5060.2	5018.5	4986.6	4961.7
12.5°	4921.4	4936.7	4974.2	5047.7	5140.6	5178.1	5151.7	5082.4	5019.9	4975.5
15°	4861.8	4878.4	4935.3	5046.3	5183.6	5271.0	5268.2	5176.7	5076.8	5007.4
17.5°	4768.9	4785.5	4867.4	5022.7	5216.9	5361.2	5400.0	5305.7	5165.6	5072.6
20°	4601.0	4616.3	4730.0	4947.8	5228.0	5456.9	5558.1	5474.9	5300.1	5173.9
22.5°	4383.3	4406.8	4540.0	4818.8	5201.6	5556.7	5738.5	5681.6	5456.9	5282.1
25°	4150.2	4175.2	4330.5	4660.7	5133.7	5628.9	5952.1	5916.0	5634.4	5416.6
27.5°	3949.1	3975.4	4144.7	4503.9	5028.3	5656.6	6162.9	6180.9	5849.4	5565.1
30°	3791.0	3815.9	3996.2	4377.7	4892.3	5628.9	6347.4	6472.2	6068.6	5694.1
32.5°	3617.6	3649.5	3839.5	4223.7	4731.4	5562.3	6508.3	6787.1	6322.4	5832.8
35°	3398.4	3427.5	3627.3	4012.9	4520.6	5455.5	6642.8	7136.7	6685.8	6043.6
37.5°	3132.1	3159.8	3358.2	3749.3	4311.1	5305.7	6745.5	7530.6	7118.6	6347.4
40°	2864.4	2890.7	3076.6	3455.3	4060.1	5114.3	6781.6	7916.2	7615.2	6764.9
42.5°	2618.9	2642.4	2813.0	3165.4	3778.5	4870.1	6734.4	8251.9	8060.5	7056.2
45°	2392.8	2413.6	2564.8	2893.5	3485.8	4573.3	6592.9	8612.5	8590.3	7264.3
47.5°	2134.8	2155.6	2312.3	2630.0	3193.1	4225.1	6352.9	8967.6	9326.9	7735.9
50°	1819.9	1837.9	1998.8	2326.2	2889.3	3854.8	6020.0	9246.4	10256.3	8450.2
52.5°	1446.8	1466.2	1622.9	1950.3	2528.7	3456.7	5581.7	9428.2	11329.9	9493.3
55°	1076.4	1090.3	1226.2	1520.3	2082.0	3003.1	5032.4	9479.5	12547.8	10919.3
57.5°	780.9	789.3	876.7	1095.8	1578.5	2435.8	4365.2	9346.3	13997.3	12747.5
60°	632.5	635.3	661.6	758.7	1097.2	1794.9	3559.3	8888.6	15570.3	15104.2
62.5°	574.3	574.3	581.2	607.6	742.1	1184.6	2584.2	7939.8	17257.0	18082.3
65°	534.0	534.0	536.8	549.3	585.4	754.6	1631.2	6394.6	18678.8	21570.9
67.5°	498.0	499.4	498.0	502.1	522.9	557.6	946.0	4416.5	19444.4	25185.7
70°	460.5	463.3	456.4	456.4	473.0	474.4	592.3	2421.9	18809.1	28215.1
72.5°	416.1	420.3	409.2	406.4	418.9	413.4	445.3	1162.4	16148.7	29119.5
75°	377.3	382.8	357.9	350.9	350.9	346.8	362.0	596.5	10481.0	23754.2
77.5°	342.6	353.7	313.5	291.3	285.7	273.3	295.5	364.8	4584.4	11152.3
80°	283.0	298.2	258.0	231.6	221.9	208.1	233.0	255.2	1363.5	2589.7
82.5°	210.8	217.8	183.1	165.1	156.7	147.0	174.8	177.5	443.9	916.9
85°	134.5	137.3	112.4	97.1	92.9	88.8	111.0	97.1	169.2	674.1
87.5°	47.2	54.1	43.0	38.8	41.6	34.7	51.3	29.1	47.2	475.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4877.1  
4879.8  
4911.7  
4945.0  
4957.5  
4968.6  
4996.4  
5057.4  
5150.3  
5250.2  
5372.3  
5517.9  
5626.1  
5746.8  
5947.9  
6219.8  
6629.0  
6881.4  
7028.5  
7464.0  
8109.0  
9073.1  
10393.6  
12085.8  
14270.5  
16965.7  
20158.8  
23661.2  
27814.2  
30173.7  
25407.6  
10920.7  
2480.1  
1036.2  
979.3  
589.5  
0.0

OF REPORT)