

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: P941743

Luminaire Tested: **GALN-SB5B-935-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941743  
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-935-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19575 lumens  
Efficiency: N/A  
Efficacy: 107.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

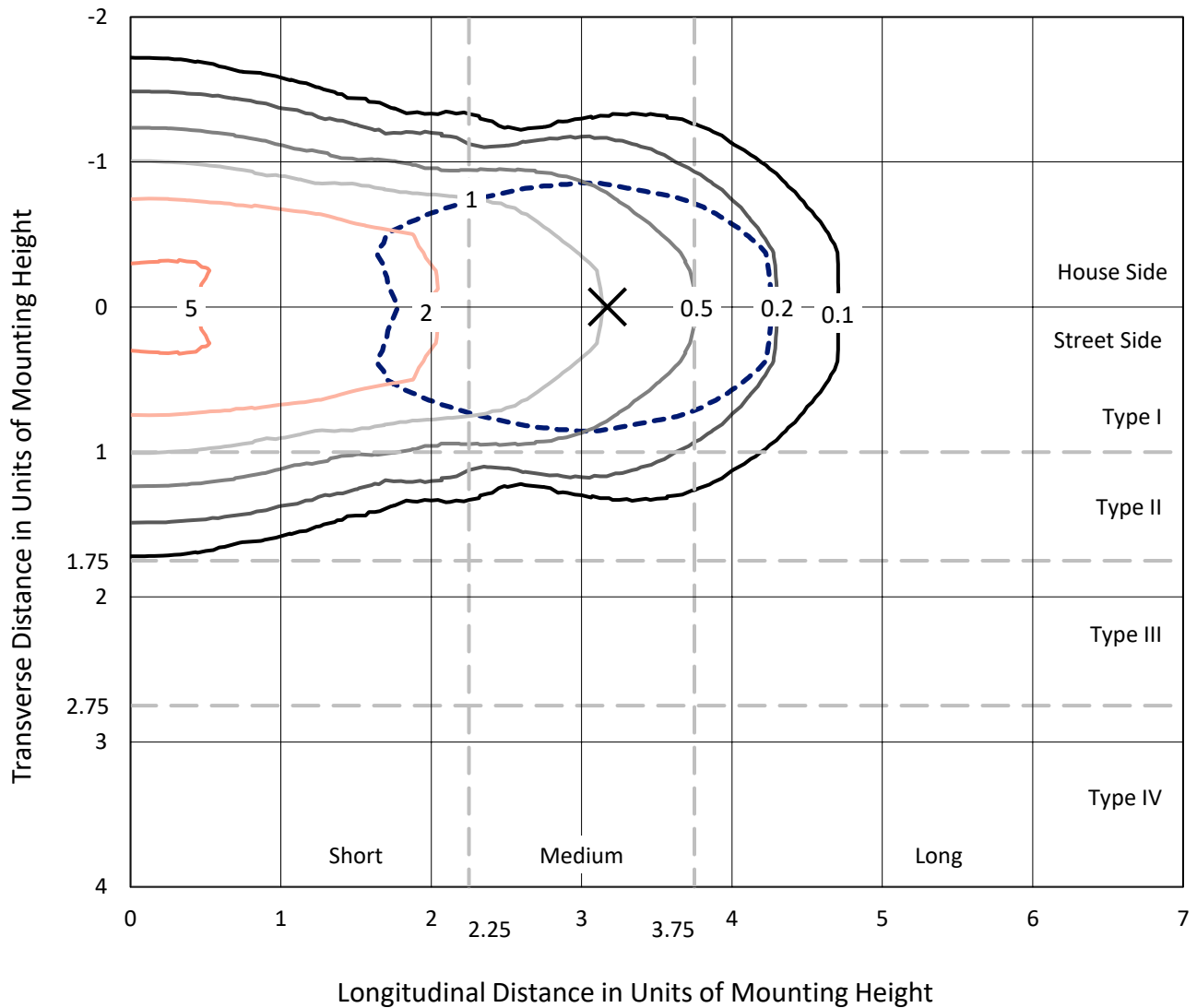
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

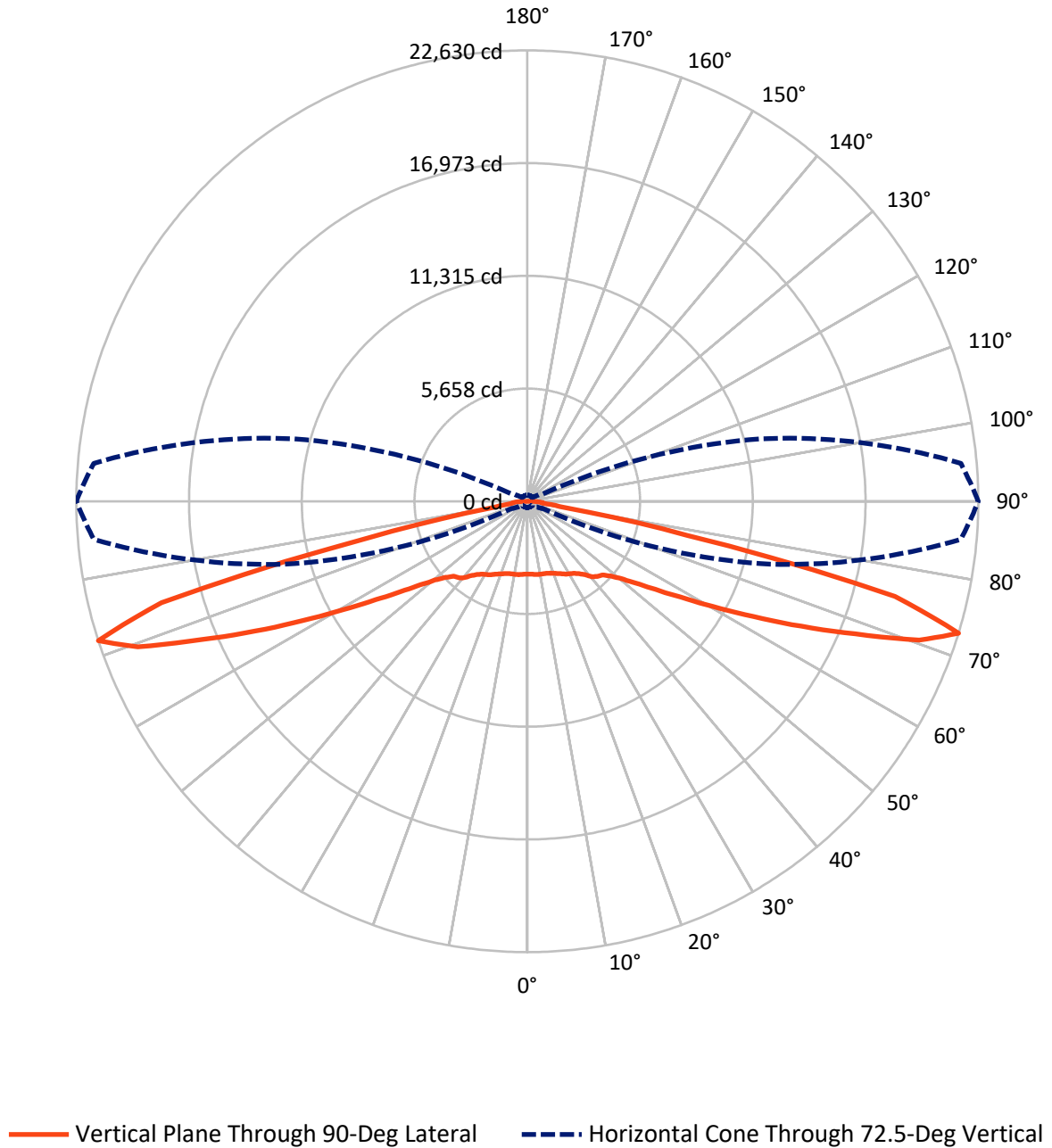
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	9787.5	0.0	9787.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	9787.5	0.0	9787.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	19575.0	0.0	19575.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	354.7	1.8
10°-20°	1084.4	5.5
20°-30°	1808.2	9.2
30°-40°	2486.8	12.7
40°-50°	3037.1	15.5
50°-60°	3512.7	17.9
60°-70°	4188.3	21.4
70°-80°	2923.2	14.9
80°-90°	179.5	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°	19575.0	100.0
0°-180°	19575.0	100.0

**Coefficient of Utilization**



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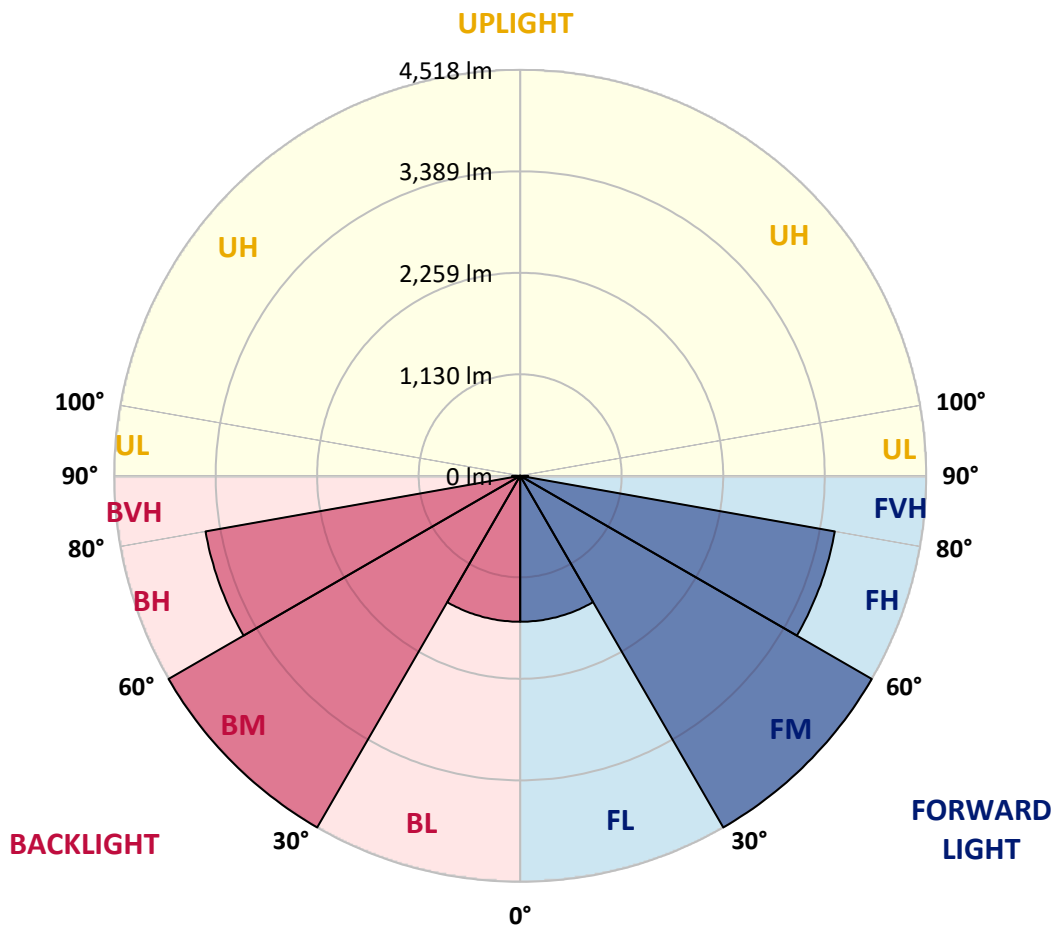
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1623.6	8.3			
FM (30°-60°)	4518.3	23.1			
FH (60°-80°)	3555.8	18.2			G2/5000
FVH (80°-90°)	89.8	0.5			G1/100
BL (0°-30°)	1623.6	8.3	B3/2500		
BM (30°-60°)	4518.3	23.1	B3/5000		
BH (60°-80°)	3555.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	89.8	0.5			G1/100
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°	3657.8	3657.8	3657.8	3657.8	3657.8	3657.8	3657.8	3657.8	3657.8	3657.8
2.5°	3660.9	3665.1	3665.1	3662.0	3669.2	3663.0	3663.0	3659.9	3663.0	3659.9
5°	3679.6	3684.8	3686.9	3685.9	3695.2	3690.0	3690.0	3685.9	3686.9	3683.8
7.5°	3715.0	3722.3	3726.5	3731.7	3745.2	3738.9	3734.8	3722.3	3717.1	3708.8
10°	3726.5	3734.8	3748.3	3775.4	3806.6	3807.6	3795.1	3763.9	3740.0	3721.3
12.5°	3691.1	3702.5	3730.6	3785.8	3855.5	3883.5	3863.8	3811.8	3764.9	3731.7
15°	3646.4	3658.8	3701.5	3784.7	3887.7	3953.2	3951.2	3882.5	3807.6	3755.6
17.5°	3576.6	3589.1	3650.5	3767.0	3912.7	4020.9	4050.0	3979.3	3874.2	3804.5
20°	3450.8	3462.2	3547.5	3710.9	3921.0	4092.7	4168.6	4106.2	3975.1	3880.4
22.5°	3287.4	3305.1	3405.0	3614.1	3901.2	4167.6	4303.8	4261.2	4092.7	3961.6
25°	3112.7	3131.4	3247.9	3495.5	3850.3	4221.7	4464.1	4437.0	4225.8	4062.5
27.5°	2961.8	2981.6	3108.5	3377.9	3771.2	4242.5	4622.2	4635.7	4387.1	4173.8
30°	2843.2	2861.9	2997.2	3283.3	3669.2	4221.7	4760.5	4854.2	4551.4	4270.5
32.5°	2713.2	2737.1	2879.6	3167.8	3548.6	4171.7	4881.2	5090.3	4741.8	4374.6
35°	2548.8	2570.7	2720.5	3009.7	3390.4	4091.6	4982.1	5352.5	5014.4	4532.7
37.5°	2349.1	2369.9	2518.6	2812.0	3233.3	3979.3	5059.1	5647.9	5339.0	4760.5
40°	2148.3	2168.0	2307.4	2591.5	3045.0	3835.7	5086.2	5937.2	5711.4	5073.7
42.5°	1964.1	1981.8	2109.8	2374.0	2833.9	3652.6	5050.8	6188.9	6045.3	5292.2
45°	1794.6	1810.2	1923.6	2170.1	2614.3	3430.0	4944.7	6459.4	6442.8	5448.2
47.5°	1601.1	1616.7	1734.2	1972.5	2394.8	3168.8	4764.7	6725.7	6995.2	5801.9
50°	1364.9	1378.4	1499.1	1744.6	2167.0	2891.1	4515.0	6934.8	7692.2	6337.7
52.5°	1085.1	1099.6	1217.2	1462.7	1896.5	2592.5	4186.3	7071.1	8497.4	7120.0
55°	807.3	817.7	919.7	1140.2	1561.5	2252.3	3774.3	7109.6	9410.8	8189.5
57.5°	585.7	591.9	657.5	821.9	1183.9	1826.8	3273.9	7009.7	10498.0	9560.6
60°	474.4	476.5	496.2	569.1	822.9	1346.2	2669.5	6666.4	11677.7	11328.1
62.5°	430.7	430.7	435.9	455.7	556.6	888.4	1938.1	5954.8	12942.7	13561.7
65°	400.5	400.5	402.6	412.0	439.0	565.9	1223.4	4795.9	14009.1	16178.2
67.5°	373.5	374.5	373.5	376.6	392.2	418.2	709.5	3312.4	14583.3	18889.2
70°	345.4	347.5	342.3	342.3	354.8	355.8	444.2	1816.4	14106.9	21161.3
72.5°	312.1	315.2	306.9	304.8	314.2	310.0	333.9	871.8	12111.5	21839.6
75°	283.0	287.1	268.4	263.2	263.2	260.1	271.5	447.3	7860.7	17815.6
77.5°	257.0	265.3	235.1	218.5	214.3	204.9	221.6	273.6	3438.3	8364.2
80°	212.2	223.7	193.5	173.7	166.5	156.0	174.8	191.4	1022.6	1942.3
82.5°	158.1	163.3	137.3	123.8	117.6	110.3	131.1	133.2	332.9	687.7
85°	100.9	103.0	84.3	72.8	69.7	66.6	83.2	72.8	126.9	505.6
87.5°	35.4	40.6	32.3	29.1	31.2	26.0	38.5	21.8	35.4	356.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3657.8  
3659.9  
3683.8  
3708.8  
3718.1  
3726.5  
3747.3  
3793.0  
3862.7  
3937.6  
4029.2  
4138.4  
4219.6  
4310.1  
4460.9  
4664.8  
4971.7  
5161.1  
5271.3  
5598.0  
6081.8  
6804.8  
7795.2  
9064.4  
10702.9  
12724.3  
15119.1  
17745.9  
20860.7  
22630.3  
19055.7  
8190.5  
1860.1  
777.1  
734.5  
442.1  
0.0

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