

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: P941633

Luminaire Tested: **GALN-SB5B-735-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P941633  
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-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28140 lumens  
Efficiency: N/A  
Efficacy: 154.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

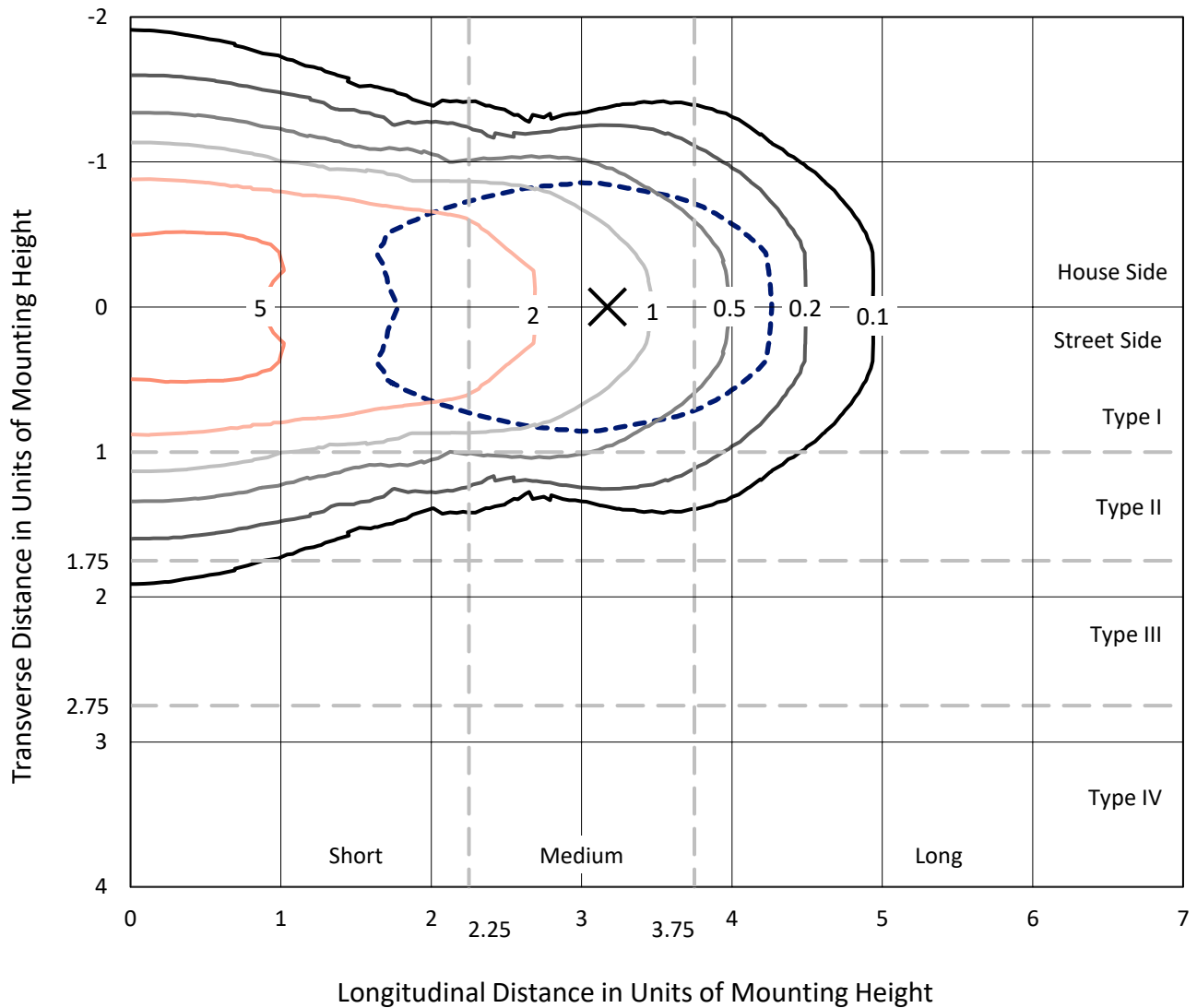
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

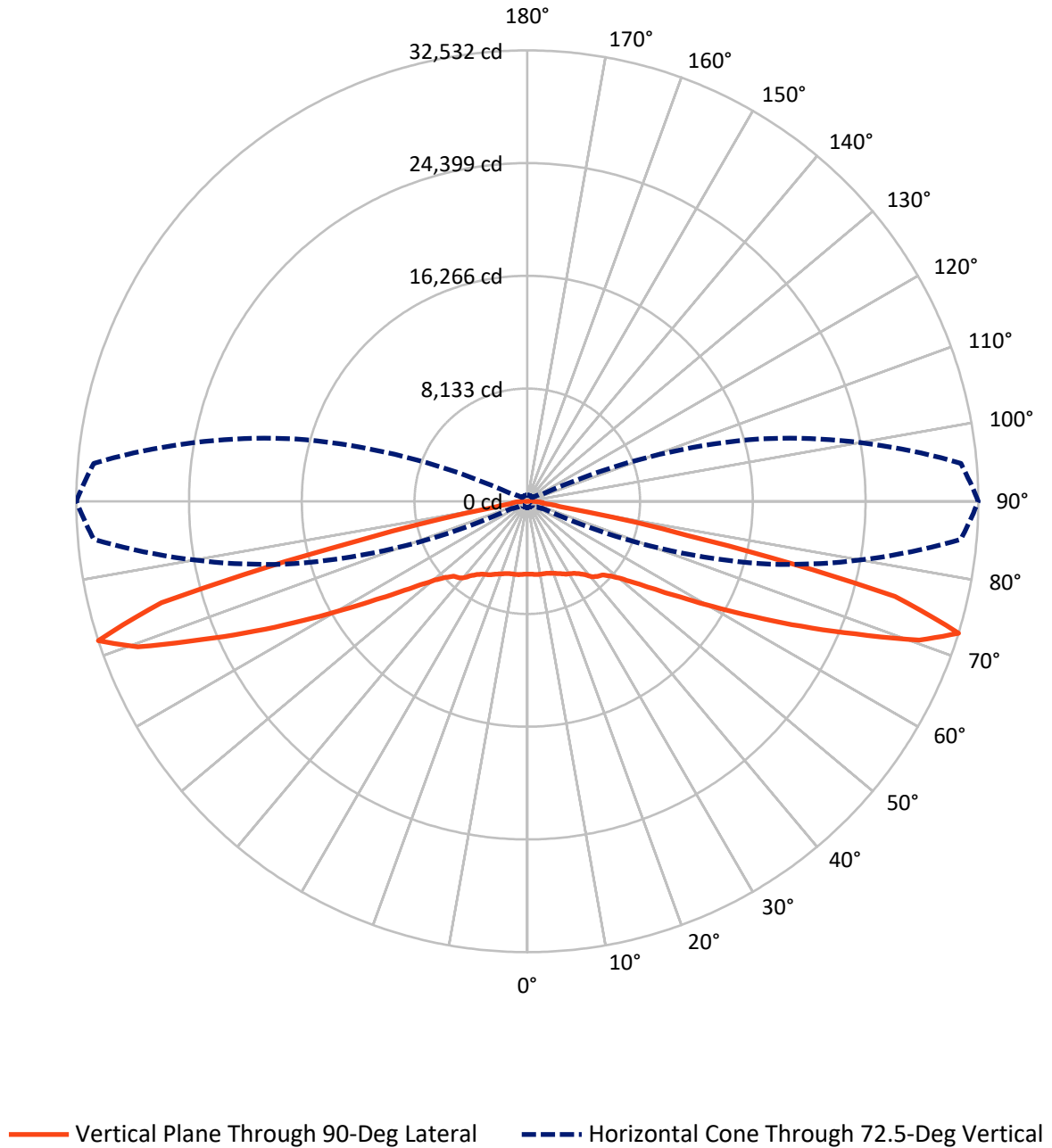
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	14070.0	0.0	14070.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14070.0	0.0	14070.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28140.0	0.0	28140.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.9	1.8
10°-20°	1558.9	5.5
20°-30°	2599.4	9.2
30°-40°	3574.9	12.7
40°-50°	4366.0	15.5
50°-60°	5049.7	17.9
60°-70°	6020.9	21.4
70°-80°	4202.2	14.9
80°-90°	258.1	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°	28140.0	100.0
0°-180°	28140.0	100.0

**Coefficient of Utilization**



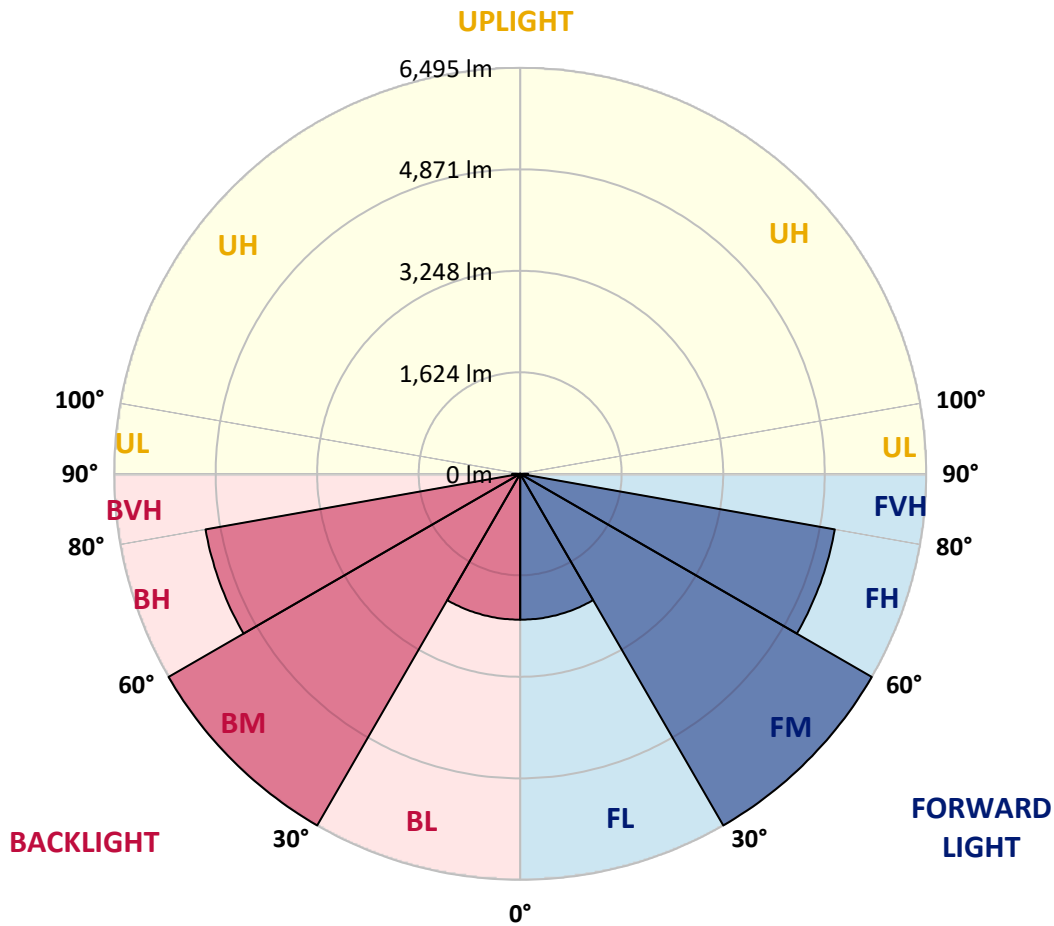
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2334.1	8.3			
FM (30°-60°)	6495.3	23.1			
FH (60°-80°)	5111.6	18.2			G3/7500
FVH (80°-90°)	129.1	0.5			G2/225
BL (0°-30°)	2334.1	8.3	B3/2500		
BM (30°-60°)	6495.3	23.1	B4/8500		
BH (60°-80°)	5111.6	18.2	B5		G5
BVH (80°-90°)	129.1	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°	5258.3	5258.3	5258.3	5258.3	5258.3	5258.3	5258.3	5258.3	5258.3	5258.3
2.5°	5262.7	5268.7	5268.7	5264.2	5274.7	5265.7	5265.7	5261.2	5265.7	5261.2
5°	5289.7	5297.1	5300.1	5298.6	5312.1	5304.6	5304.6	5298.6	5300.1	5295.6
7.5°	5340.5	5351.0	5357.0	5364.4	5383.9	5374.9	5368.9	5351.0	5343.5	5331.5
10°	5357.0	5368.9	5388.4	5427.3	5472.1	5473.6	5455.7	5410.8	5376.4	5349.5
12.5°	5306.1	5322.6	5362.9	5442.2	5542.4	5582.8	5554.4	5479.6	5412.3	5364.4
15°	5241.8	5259.8	5321.1	5440.7	5588.8	5683.0	5680.0	5581.3	5473.6	5398.8
17.5°	5141.6	5159.6	5247.8	5415.3	5624.7	5780.2	5822.1	5720.4	5569.3	5469.1
20°	4960.6	4977.1	5099.7	5334.5	5636.6	5883.4	5992.6	5902.8	5714.4	5578.3
22.5°	4725.9	4751.3	4894.8	5195.4	5608.2	5991.1	6187.0	6125.7	5883.4	5694.9
25°	4474.6	4501.5	4669.0	5025.0	5534.9	6068.8	6417.3	6378.4	6074.8	5840.0
27.5°	4257.8	4286.2	4468.6	4856.0	5421.3	6098.7	6644.6	6664.0	6306.6	6000.0
30°	4087.3	4114.2	4308.6	4719.9	5274.7	6068.8	6843.5	6978.1	6542.9	6139.1
32.5°	3900.3	3934.7	4139.6	4553.9	5101.2	5997.0	7017.0	7317.6	6816.6	6288.7
35°	3664.0	3695.4	3910.8	4326.5	4873.9	5881.9	7162.1	7694.5	7208.4	6516.0
37.5°	3376.9	3406.8	3620.7	4042.4	4648.1	5720.4	7272.7	8119.2	7675.0	6843.5
40°	3088.3	3116.7	3317.1	3725.3	4377.4	5514.0	7311.6	8534.9	8210.4	7293.7
42.5°	2823.5	2849.0	3032.9	3412.8	4073.8	5250.8	7260.8	8896.9	8690.5	7607.7
45°	2579.8	2602.2	2765.2	3119.7	3758.2	4930.7	7108.2	9285.7	9261.8	7832.0
47.5°	2301.6	2324.0	2493.0	2835.5	3442.7	4555.4	6849.5	9668.6	10055.9	8340.5
50°	1962.1	1981.6	2155.0	2508.0	3115.2	4156.1	6490.6	9969.2	11057.9	9110.7
52.5°	1559.8	1580.8	1749.8	2102.7	2726.3	3726.8	6018.0	10165.1	12215.4	10235.4
55°	1160.5	1175.5	1322.0	1639.1	2244.8	3237.8	5425.8	10220.4	13528.5	11772.8
57.5°	842.0	851.0	945.2	1181.5	1701.9	2626.1	4706.4	10076.8	15091.3	13743.8
60°	682.0	684.9	713.4	818.1	1183.0	1935.2	3837.5	9583.3	16787.2	16284.7
62.5°	619.1	619.1	626.6	655.0	800.1	1277.2	2786.2	8560.4	18605.8	19495.6
65°	575.8	575.8	578.8	592.2	631.1	813.6	1758.7	6894.4	20138.7	23256.9
67.5°	536.9	538.4	536.9	541.4	563.8	601.2	1019.9	4761.7	20964.2	27154.2
70°	496.5	499.5	492.0	492.0	510.0	511.5	638.6	2611.2	20279.3	30420.4
72.5°	448.7	453.1	441.2	438.2	451.6	445.7	480.1	1253.2	17410.9	31395.5
75°	406.8	412.8	385.8	378.4	378.4	373.9	390.3	643.1	11300.2	25610.8
77.5°	369.4	381.4	338.0	314.1	308.1	294.6	318.5	393.3	4942.7	12024.0
80°	305.1	321.5	278.2	249.8	239.3	224.3	251.2	275.2	1470.1	2792.1
82.5°	227.3	234.8	197.4	178.0	169.0	158.5	188.4	191.4	478.6	988.5
85°	145.1	148.1	121.1	104.7	100.2	95.7	119.6	104.7	182.5	726.8
87.5°	50.8	58.3	46.4	41.9	44.9	37.4	55.3	31.4	50.8	513.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

5258.3  
5261.2  
5295.6  
5331.5  
5345.0  
5357.0  
5386.9  
5452.7  
5552.9  
5660.6  
5792.2  
5949.2  
6065.8  
6195.9  
6412.8  
6705.9  
7147.1  
7419.3  
7577.8  
8047.4  
8742.8  
9782.2  
11205.9  
13030.5  
15385.9  
18291.7  
21734.4  
25510.6  
29988.2  
32532.1  
27393.5  
11774.2  
2674.0  
1117.2  
1055.8  
635.6  
0.0

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