

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: P942993

Luminaire Tested: **GALN-SB7B-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942993
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-SB7B-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 39616 lumens
Efficiency: N/A
Efficacy: 154.3 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

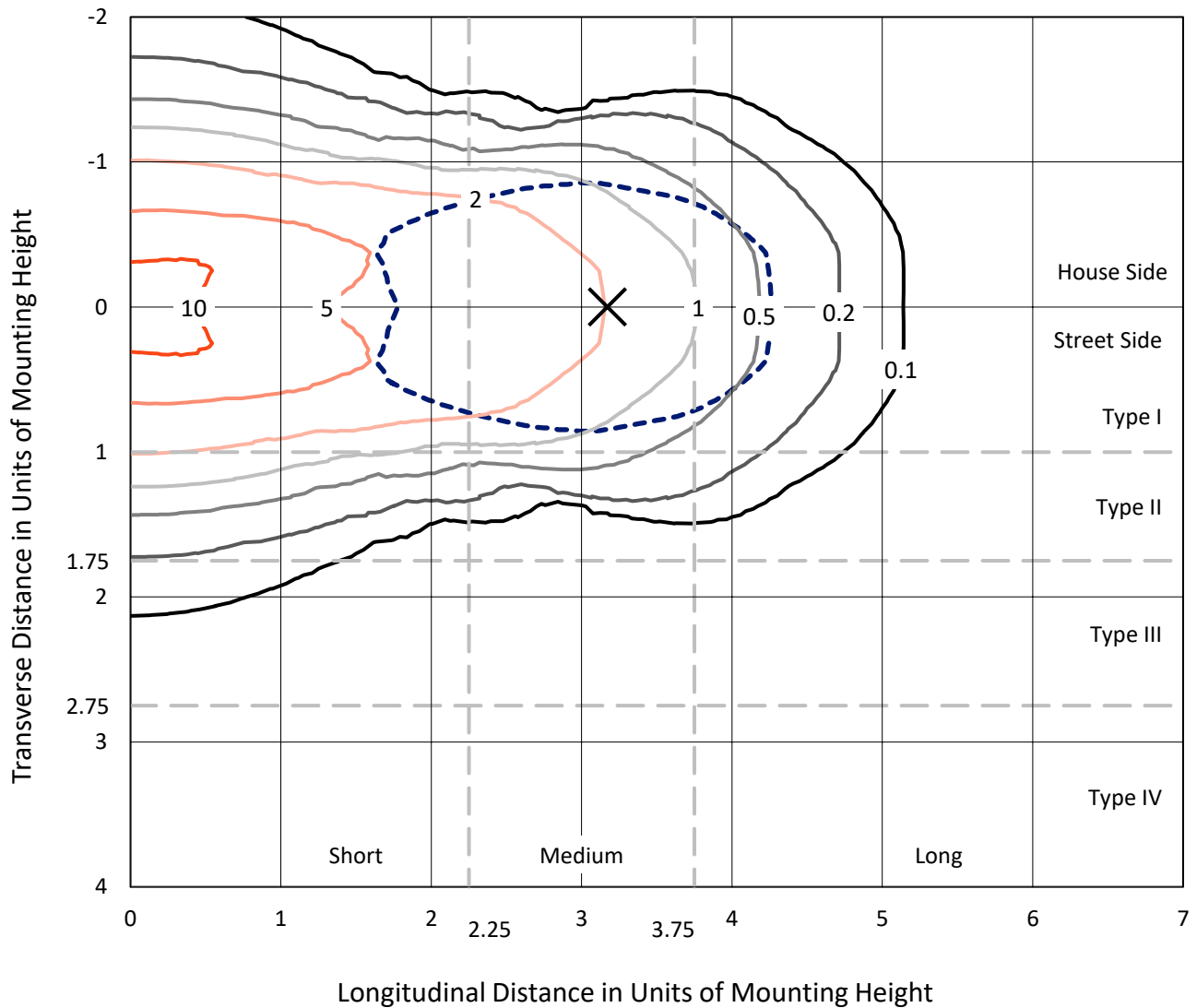
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P942993
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Iso-Footcandle Lines of Horizontal Illumination

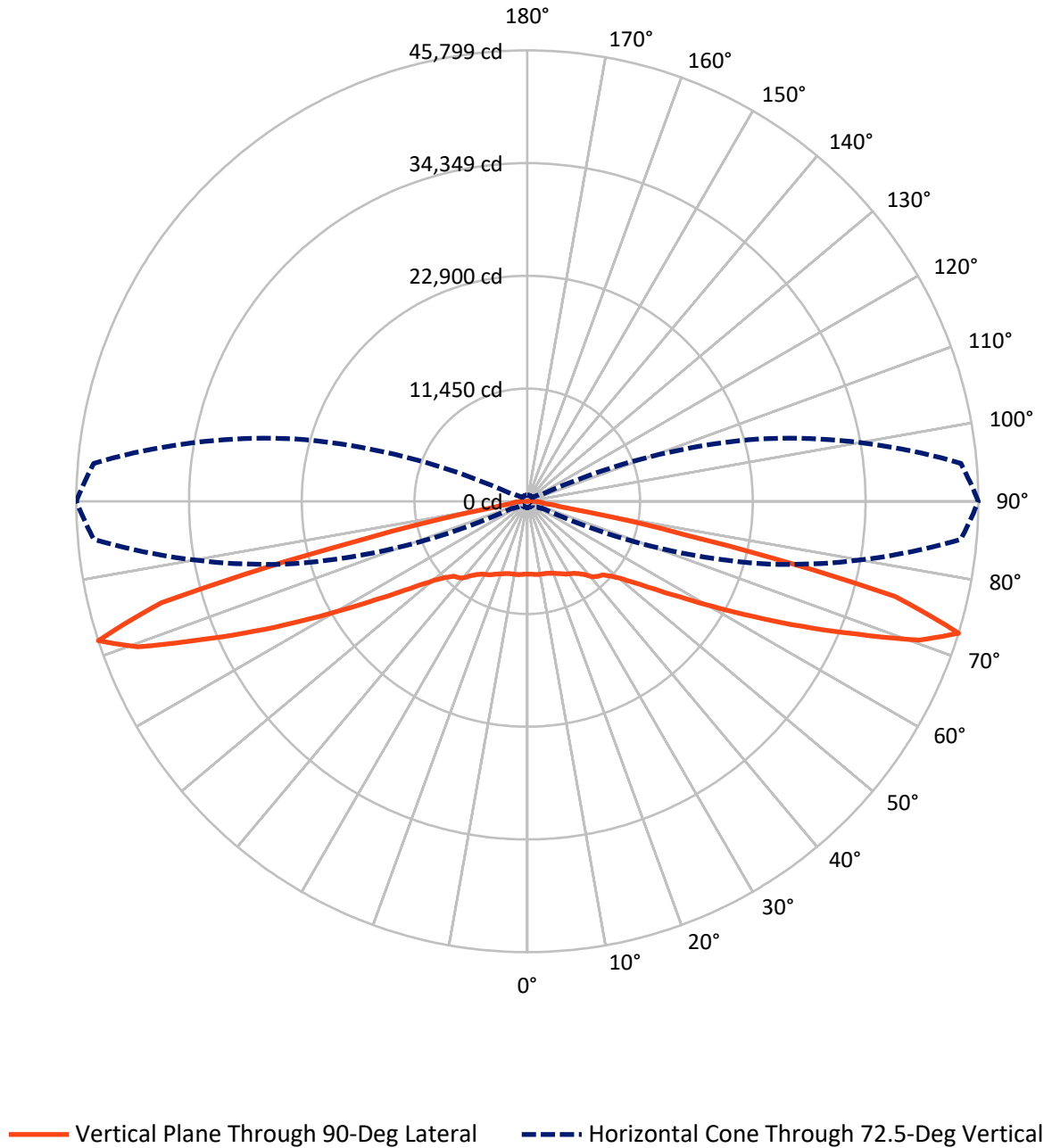
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 fc
 Type I - Short - N/A

REPORT NUMBER: P942993
CATALOG NUMBER: GALN-SB7B-735-U-T1

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19808.0	0.0	19808.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19808.0	0.0	19808.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39616.0	0.0	39616.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	717.8	1.8
10°-20°	2194.7	5.5
20°-30°	3659.4	9.2
30°-40°	5032.8	12.7
40°-50°	6146.5	15.5
50°-60°	7109.1	17.9
60°-70°	8476.4	21.4
70°-80°	5916.0	14.9
80°-90°	363.4	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°	39616.0	100.0
0°-180°	39616.0	100.0

Coefficient of Utilization



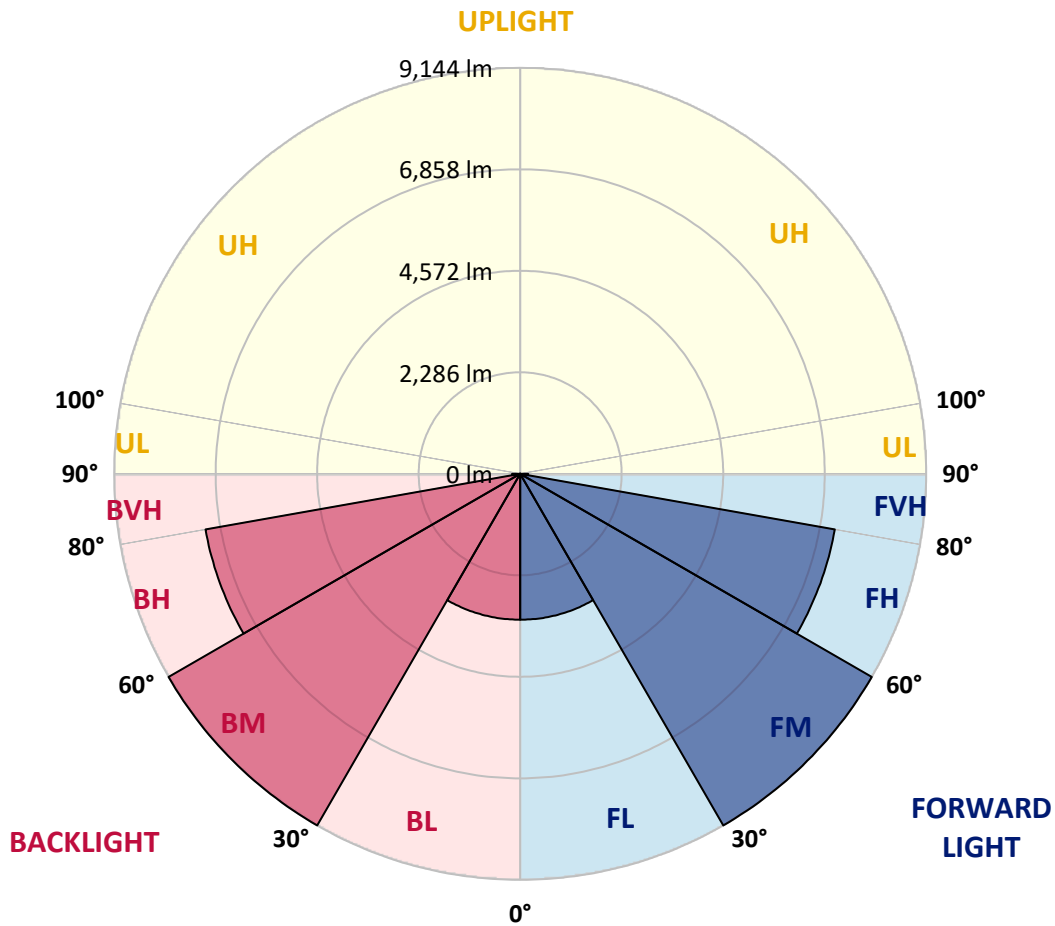
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3285.9	8.3			
FM (30°-60°)	9144.2	23.1			
FH (60°-80°)	7196.2	18.2			G3/7500
FVH (80°-90°)	181.7	0.5			G2/225
BL (0°-30°)	3285.9	8.3	B4/5000		
BM (30°-60°)	9144.2	23.1	B5		
BH (60°-80°)	7196.2	18.2	B5		G5
BVH (80°-90°)	181.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7402.7	7402.7	7402.7	7402.7	7402.7	7402.7	7402.7	7402.7	7402.7	7402.7
2.5°	7409.0	7417.4	7417.4	7411.1	7425.8	7413.2	7413.2	7406.9	7413.2	7406.9
5°	7446.9	7457.4	7461.6	7459.5	7478.5	7467.9	7467.9	7459.5	7461.6	7455.3
7.5°	7518.5	7533.2	7541.6	7552.2	7579.5	7566.9	7558.5	7533.2	7522.7	7505.8
10°	7541.6	7558.5	7585.8	7640.6	7703.7	7705.8	7680.6	7617.4	7569.0	7531.1
12.5°	7470.0	7493.2	7550.0	7661.6	7802.7	7859.5	7819.5	7714.3	7619.5	7552.2
15°	7379.5	7404.8	7491.1	7659.5	7868.0	8000.6	7996.4	7857.4	7705.8	7600.6
17.5°	7238.4	7263.7	7387.9	7623.7	7918.5	8137.5	8196.4	8053.2	7840.6	7699.5
20°	6983.7	7006.8	7179.5	7510.0	7935.3	8282.7	8436.4	8310.1	8044.8	7853.2
22.5°	6653.1	6688.9	6891.0	7314.2	7895.3	8434.3	8710.1	8623.8	8282.7	8017.5
25°	6299.4	6337.3	6573.1	7074.2	7792.2	8543.8	9034.4	8979.6	8552.2	8221.7
27.5°	5994.1	6034.1	6291.0	6836.3	7632.2	8585.9	9354.4	9381.8	8878.6	8447.0
30°	5754.1	5792.0	6065.7	6644.7	7425.8	8543.8	9634.4	9823.9	9211.2	8642.8
32.5°	5490.9	5539.4	5827.8	6411.0	7181.6	8442.7	9878.6	10301.8	9596.5	8853.3
35°	5158.3	5202.5	5505.7	6091.0	6861.6	8280.6	10082.9	10832.4	10148.1	9173.3
37.5°	4754.0	4796.2	5097.2	5691.0	6543.7	8053.2	10238.7	11430.3	10805.0	9634.4
40°	4347.7	4387.7	4669.8	5244.6	6162.6	7762.7	10293.4	12015.6	11558.8	10268.1
42.5°	3975.0	4010.8	4269.8	4804.6	5735.2	7392.1	10221.8	12525.2	12234.6	10710.3
45°	3631.9	3663.4	3892.9	4391.9	5290.9	6941.6	10007.1	13072.6	13038.9	11026.1
47.5°	3240.2	3271.8	3509.7	3991.9	4846.7	6413.1	9642.8	13611.6	14156.9	11741.9
50°	2762.3	2789.7	3033.9	3530.8	4385.6	5851.0	9137.5	14034.8	15567.5	12826.2
52.5°	2196.0	2225.4	2463.3	2960.2	3838.2	5246.7	8472.2	14310.6	17197.1	14409.5
55°	1633.8	1654.9	1861.2	2307.5	3160.2	4558.2	7638.5	14388.5	19045.7	16573.9
57.5°	1185.4	1198.0	1330.6	1663.3	2396.0	3697.1	6625.8	14186.3	21245.8	19348.8
60°	960.1	964.3	1004.3	1151.7	1665.4	2724.4	5402.5	13491.6	23633.4	22926.0
62.5°	871.6	871.6	882.2	922.2	1126.4	1798.0	3922.4	12051.4	26193.6	27446.3
65°	810.6	810.6	814.8	833.7	888.5	1145.4	2476.0	9706.0	28351.6	32741.4
67.5°	755.8	758.0	755.8	762.2	793.7	846.4	1435.9	6703.7	29513.8	38228.2
70°	699.0	703.2	692.7	692.7	717.9	720.1	899.0	3676.1	28549.5	42826.4
72.5°	631.6	637.9	621.1	616.9	635.8	627.4	675.8	1764.3	24511.3	44199.1
75°	572.7	581.1	543.2	532.7	532.7	526.4	549.5	905.3	15908.6	36055.4
77.5°	520.0	536.9	475.8	442.1	433.7	414.8	448.5	553.7	6958.4	16927.6
80°	429.5	452.7	391.6	351.6	336.9	315.8	353.7	387.4	2069.6	3930.8
82.5°	320.0	330.6	277.9	250.5	237.9	223.2	265.3	269.5	673.7	1391.7
85°	204.2	208.4	170.5	147.4	141.1	134.7	168.4	147.4	256.9	1023.2
87.5°	71.6	82.1	65.3	59.0	63.2	52.6	77.9	44.2	71.6	722.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

7402.7
7406.9
7455.3
7505.8
7524.8
7541.6
7583.7
7676.4
7817.4
7969.0
8154.3
8375.4
8539.6
8722.8
9028.1
9440.7
10061.8
10445.0
10668.2
11329.3
12308.3
13771.6
15775.9
18344.6
21660.6
25751.4
30598.1
35914.3
42217.9
45799.3
38565.0
16576.0
3764.5
1572.8
1486.4
894.8
0.0

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