

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: P941803

Luminaire Tested: **GALN-SB5C-735-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941803
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-SB5C-735-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37425 lumens
Efficiency: N/A
Efficacy: 150.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

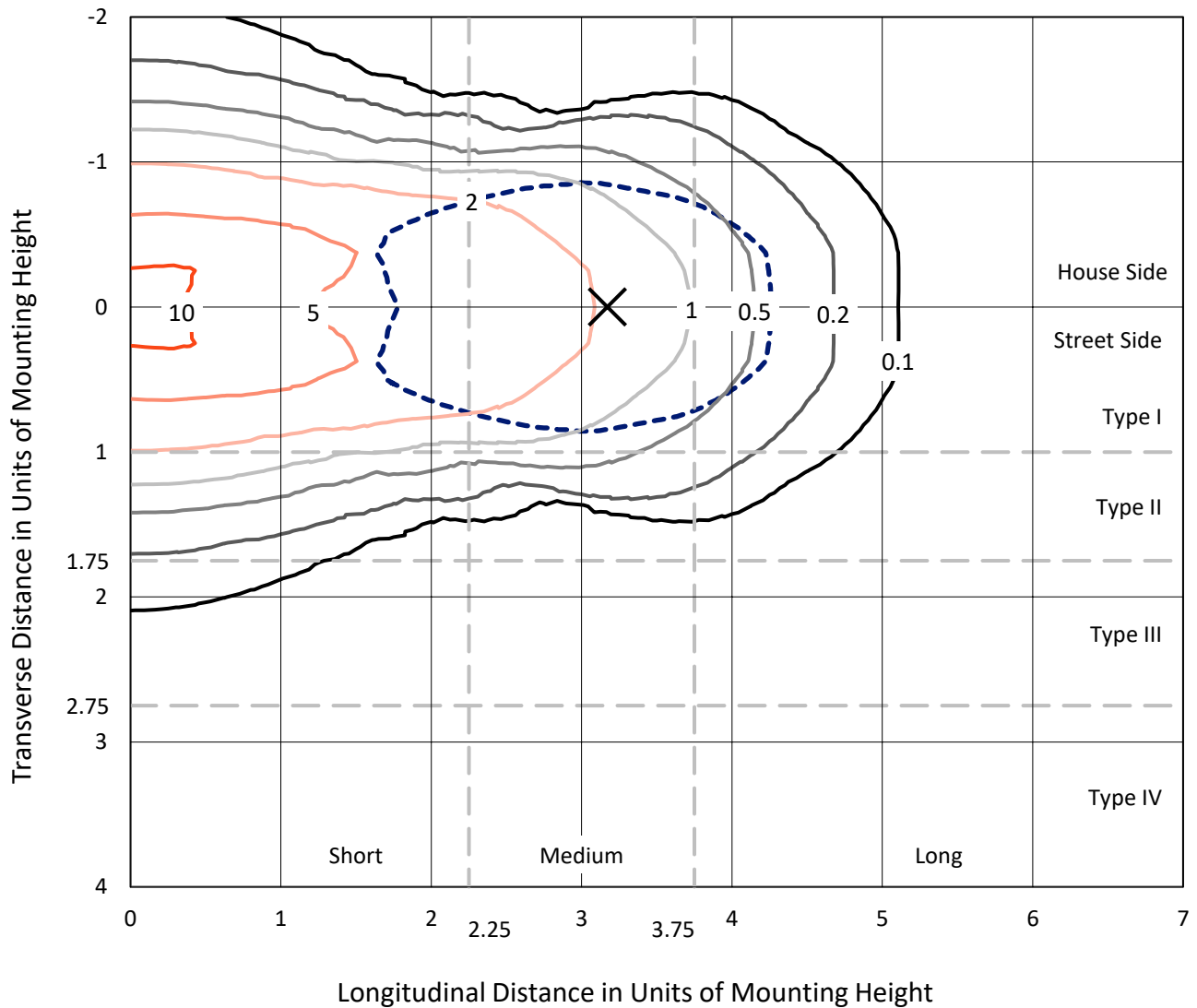
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P941803
 CATALOG NUMBER: GALN-SB5C-735-U-T1

Iso-Footcandle Lines of Horizontal Illumination

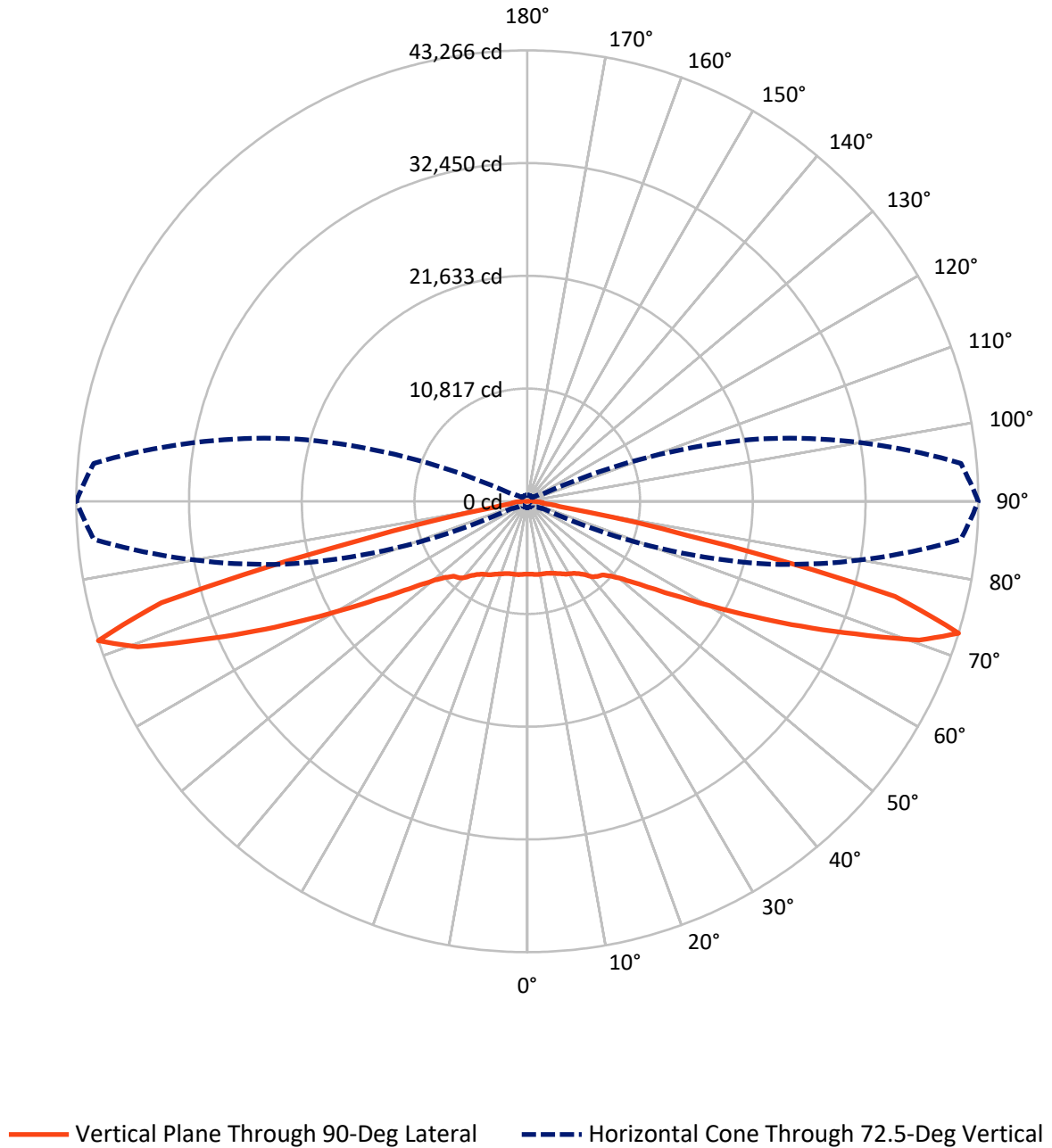
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type I - Short - N/A

REPORT NUMBER: P941803
CATALOG NUMBER: GALN-SB5C-735-U-T1

Luminous Intensity Polar Plot



REPORT NUMBER: P941803
 CATALOG NUMBER: GALN-SB5C-735-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18712.5	0.0	18712.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18712.5	0.0	18712.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37425.0	0.0	37425.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	678.1	1.8
10°-20°	2073.3	5.5
20°-30°	3457.0	9.2
30°-40°	4754.5	12.7
40°-50°	5806.5	15.5
50°-60°	6715.9	17.9
60°-70°	8007.6	21.4
70°-80°	5588.8	14.9
80°-90°	343.3	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°	37425.0	100.0
0°-180°	37425.0	100.0

Coefficient of Utilization



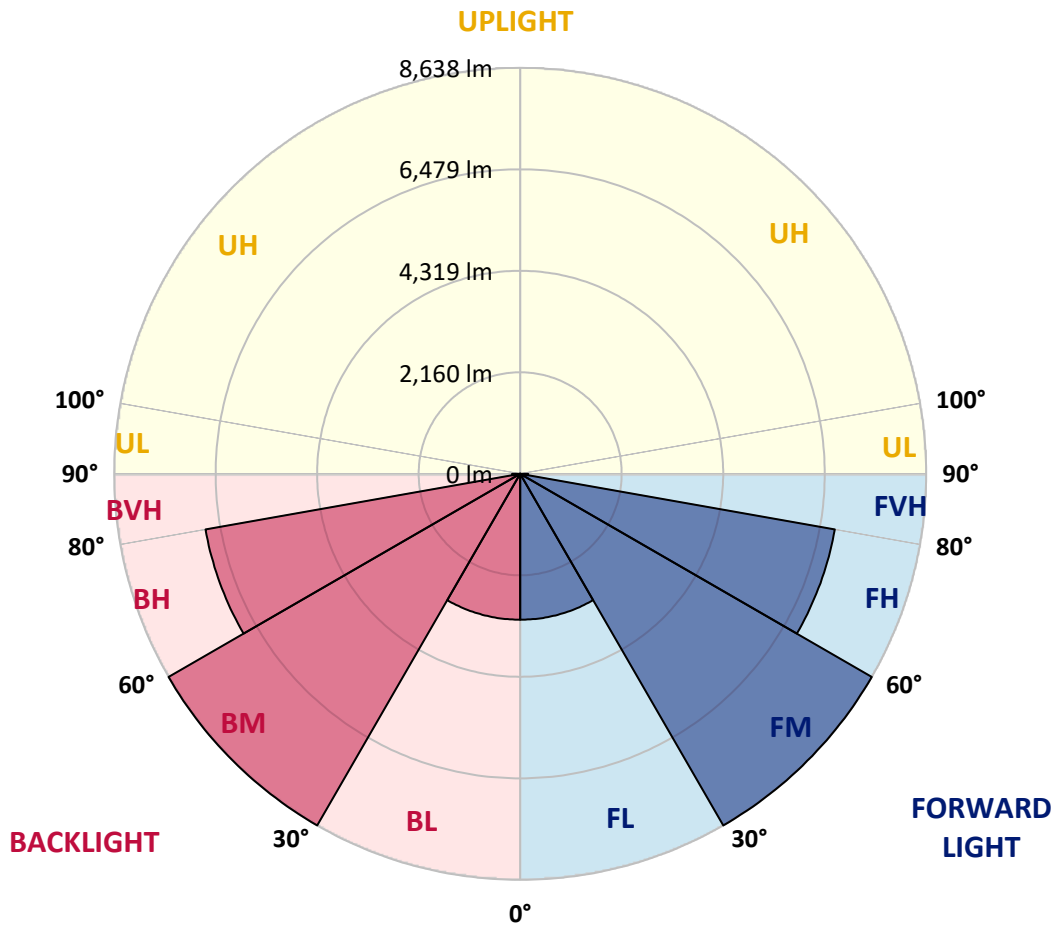
REPORT NUMBER: P941803
 CATALOG NUMBER: GALN-SB5C-735-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3104.2	8.3			
FM (30°-60°)	8638.5	23.1			
FH (60°-80°)	6798.2	18.2			G3/7500
FVH (80°-90°)	171.6	0.5			G2/225
BL (0°-30°)	3104.2	8.3	B4/5000		
BM (30°-60°)	8638.5	23.1	B5		
BH (60°-80°)	6798.2	18.2	B5		G5
BVH (80°-90°)	171.6	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



REPORT NUMBER: P941803
 CATALOG NUMBER: GALN-SB5C-735-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6993.3	6993.3	6993.3	6993.3	6993.3	6993.3	6993.3	6993.3	6993.3	6993.3
2.5°	6999.2	7007.2	7007.2	7001.2	7015.1	7003.2	7003.2	6997.2	7003.2	6997.2
5°	7035.0	7045.0	7048.9	7047.0	7064.9	7054.9	7054.9	7047.0	7048.9	7043.0
7.5°	7102.7	7116.6	7124.5	7134.5	7160.3	7148.4	7140.4	7116.6	7106.6	7090.7
10°	7124.5	7140.4	7166.3	7218.0	7277.7	7279.7	7255.8	7196.1	7150.4	7114.6
12.5°	7056.9	7078.8	7132.5	7237.9	7371.2	7424.9	7387.1	7287.6	7198.1	7134.5
15°	6971.4	6995.2	7076.8	7235.9	7432.8	7558.1	7554.1	7422.9	7279.7	7180.2
17.5°	6838.1	6862.0	6979.3	7202.1	7480.6	7687.4	7743.1	7607.9	7407.0	7273.7
20°	6597.4	6619.3	6782.4	7094.7	7496.5	7824.7	7969.8	7850.5	7599.9	7418.9
22.5°	6285.2	6319.0	6509.9	6909.7	7458.7	7967.9	8228.4	8146.9	7824.7	7574.0
25°	5951.0	5986.8	6209.6	6683.0	7361.2	8071.3	8534.7	8483.0	8079.2	7767.0
27.5°	5662.6	5700.4	5943.1	6458.2	7210.1	8111.1	8837.0	8862.9	8387.5	7979.8
30°	5435.9	5471.7	5730.3	6277.2	7015.1	8071.3	9101.6	9280.6	8701.8	8164.8
32.5°	5187.3	5233.0	5505.5	6056.4	6784.4	7975.8	9332.3	9732.1	9065.8	8363.7
35°	4873.0	4914.8	5201.2	5754.1	6482.1	7822.7	9525.2	10233.3	9586.9	8666.0
37.5°	4491.1	4530.9	4815.3	5376.2	6181.8	7607.9	9672.4	10798.2	10207.4	9101.6
40°	4107.2	4145.0	4411.6	4954.6	5821.7	7333.4	9724.1	11351.1	10919.5	9700.3
42.5°	3755.2	3789.0	4033.7	4538.9	5418.0	6983.3	9656.5	11832.4	11558.0	10117.9
45°	3431.0	3460.8	3677.6	4149.0	4998.3	6557.7	9453.6	12349.6	12317.8	10416.3
47.5°	3061.0	3090.9	3315.6	3771.1	4578.6	6058.4	9109.5	12858.8	13373.9	11092.5
50°	2609.5	2635.4	2866.1	3335.5	4143.0	5527.4	8632.2	13258.5	14706.5	12116.9
52.5°	2074.5	2102.4	2327.1	2796.5	3625.9	4956.5	8003.7	13519.1	16246.0	13612.6
55°	1543.4	1563.3	1758.3	2179.9	2985.5	4306.1	7216.0	13592.7	17992.3	15657.3
57.5°	1119.8	1131.7	1257.0	1571.3	2263.5	3492.7	6259.3	13401.8	20070.8	18278.7
60°	907.0	911.0	948.7	1088.0	1573.3	2573.7	5103.7	12745.4	22326.3	21658.0
62.5°	823.4	823.4	833.4	871.2	1064.1	1698.6	3705.5	11384.9	24744.9	25928.4
65°	765.8	765.8	769.7	787.6	839.3	1082.0	2339.0	9169.2	26783.6	30930.6
67.5°	714.0	716.0	714.0	720.0	749.8	799.6	1356.5	6332.9	27881.5	36113.9
70°	660.3	664.3	654.4	654.4	678.2	680.2	849.3	3472.8	26970.6	40457.9
72.5°	596.7	602.7	586.7	582.8	600.7	592.7	638.5	1666.8	23155.7	41754.7
75°	541.0	549.0	513.2	503.2	503.2	497.2	519.1	855.3	15028.7	34061.3
77.5°	491.3	507.2	449.5	417.7	409.7	391.8	423.7	523.1	6573.6	15991.4
80°	405.8	427.6	370.0	332.2	318.2	298.3	334.1	366.0	1955.2	3713.4
82.5°	302.3	312.3	262.5	236.7	224.8	210.8	250.6	254.6	636.5	1314.7
85°	192.9	196.9	161.1	139.2	133.3	127.3	159.1	139.2	242.7	966.6
87.5°	67.6	77.6	61.7	55.7	59.7	49.7	73.6	41.8	67.6	682.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6993.3
6997.2
7043.0
7090.7
7108.6
7124.5
7164.3
7251.8
7385.1
7528.3
7703.3
7912.2
8067.3
8240.3
8528.7
8918.6
9505.3
9867.3
10078.2
10702.7
11627.6
13009.9
14903.4
17330.0
20462.6
24327.2
28905.9
33928.0
39883.0
43266.3
36432.2
15659.2
3556.3
1485.8
1404.2
845.3
0.0

OF REPORT)