

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: P942313

Luminaire Tested: **GALN-SB6B-735-U-T1**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942313  
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-SB6B-735-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 33780 lumens  
Efficiency: N/A  
Efficacy: 153.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

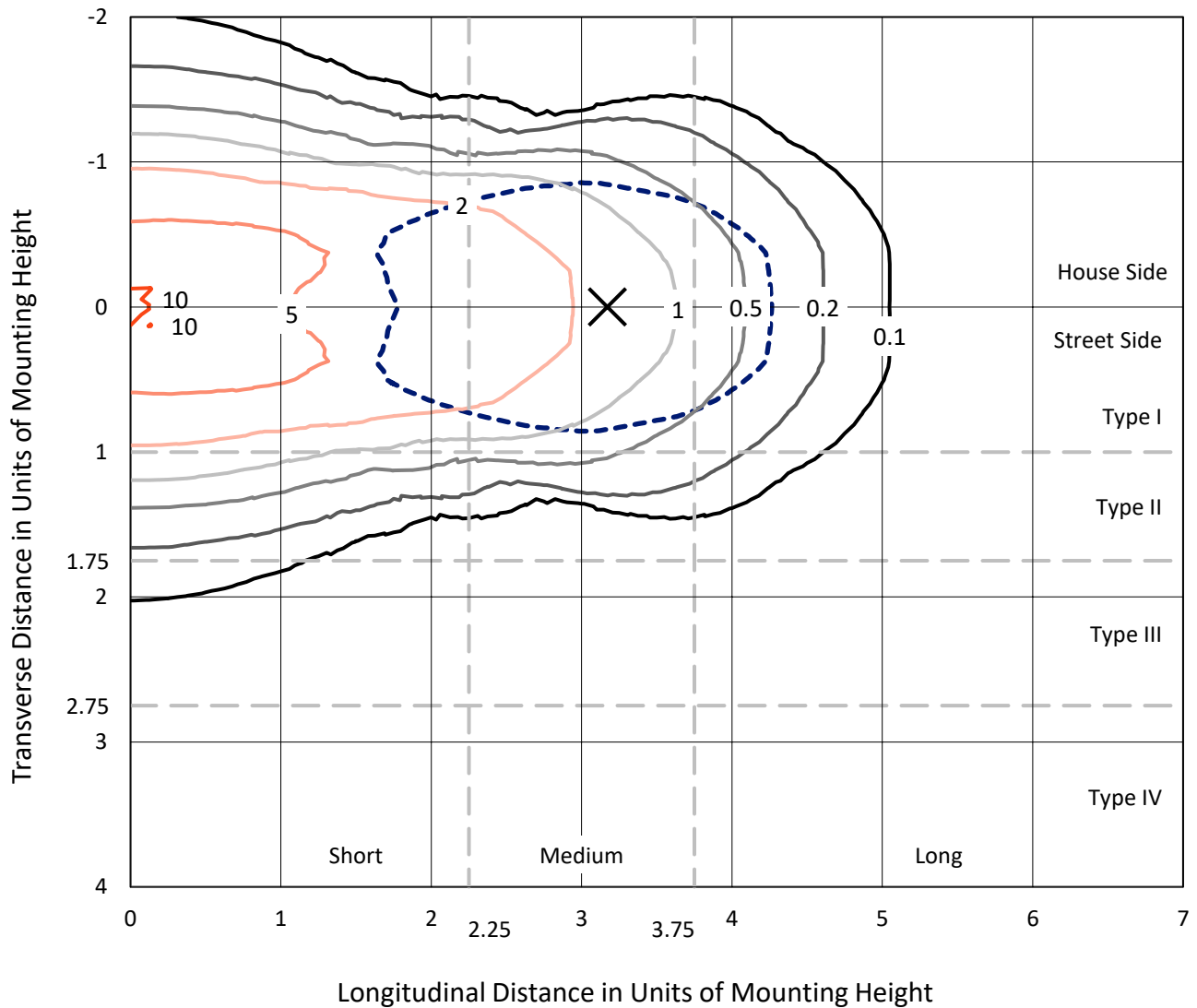
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P942313  
 CATALOG NUMBER: GALN-SB6B-735-U-T1

### Iso-Footcandle Lines of Horizontal Illumination

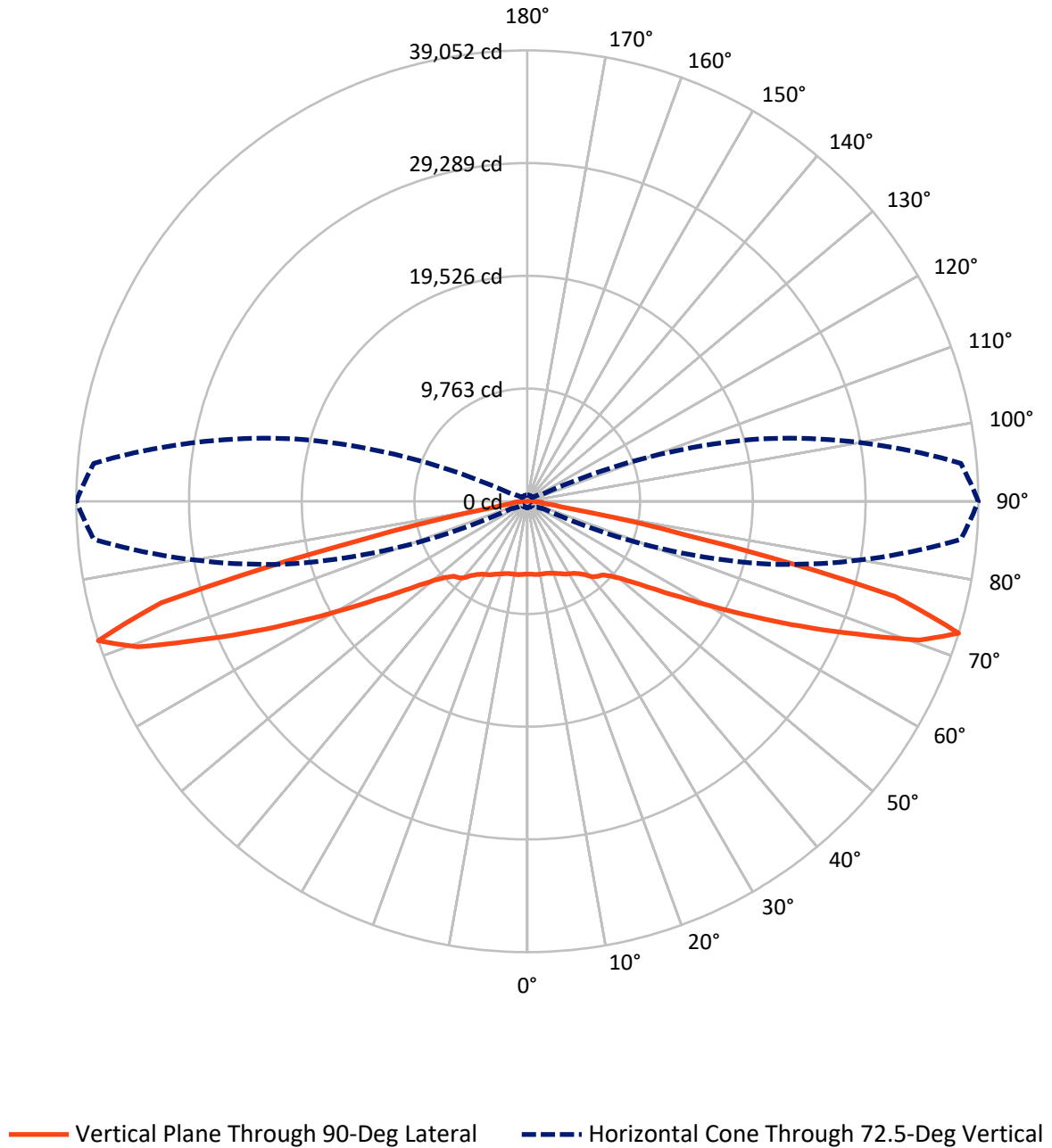
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type I - Short - N/A

REPORT NUMBER: P942313  
CATALOG NUMBER: GALN-SB6B-735-U-T1

### Luminous Intensity Polar Plot



REPORT NUMBER: P942313

CATALOG NUMBER: GALN-SB6B-735-U-T1

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16890.0	0.0	16890.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	16890.0	0.0	16890.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	33780.0	0.0	33780.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	612.0	1.8
10°-20°	1871.4	5.5
20°-30°	3120.3	9.2
30°-40°	4291.4	12.7
40°-50°	5241.0	15.5
50°-60°	6061.8	17.9
60°-70°	7227.7	21.4
70°-80°	5044.5	14.9
80°-90°	309.8	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°	33780.0	100.0
0°-180°	33780.0	100.0

**Coefficient of Utilization**



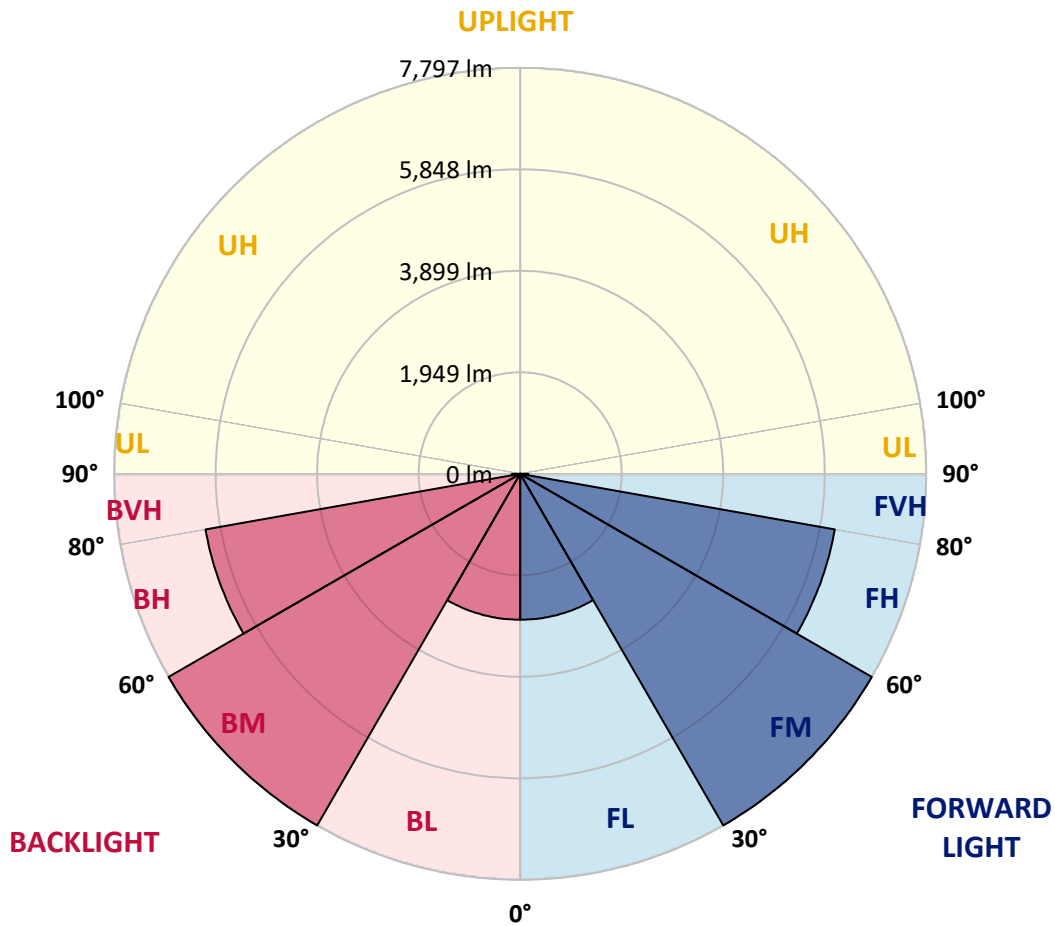
REPORT NUMBER: P942313  
 CATALOG NUMBER: GALN-SB6B-735-U-T1

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2801.9	8.3			
FM (30°-60°)	7797.1	23.1			
FH (60°-80°)	6136.1	18.2			G3/7500
FVH (80°-90°)	154.9	0.5			G2/225
BL (0°-30°)	2801.9	8.3	B4/5000		
BM (30°-60°)	7797.1	23.1	B4/8500		
BH (60°-80°)	6136.1	18.2	B5		G5
BVH (80°-90°)	154.9	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: P942313

CATALOG NUMBER: GALN-SB6B-735-U-T1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6312.1	6312.1	6312.1	6312.1	6312.1	6312.1	6312.1	6312.1	6312.1	6312.1
2.5°	6317.5	6324.7	6324.7	6319.3	6331.9	6321.1	6321.1	6315.7	6321.1	6315.7
5°	6349.9	6358.8	6362.4	6360.6	6376.8	6367.8	6367.8	6360.6	6362.4	6357.0
7.5°	6410.9	6423.5	6430.6	6439.6	6463.0	6452.2	6445.0	6423.5	6414.5	6400.1
10°	6430.6	6445.0	6468.3	6515.0	6568.9	6570.7	6549.1	6495.3	6454.0	6421.7
12.5°	6369.6	6389.3	6437.8	6533.0	6653.2	6701.7	6667.6	6577.8	6497.1	6439.6
15°	6292.4	6313.9	6387.6	6531.2	6708.9	6822.0	6818.4	6699.9	6570.7	6480.9
17.5°	6172.1	6193.7	6299.6	6500.7	6752.0	6938.7	6989.0	6866.9	6685.6	6565.3
20°	5954.9	5974.6	6121.9	6403.7	6766.4	7062.6	7193.6	7085.9	6859.7	6696.3
22.5°	5673.0	5703.6	5875.9	6236.7	6732.2	7191.8	7427.0	7353.4	7062.6	6836.4
25°	5371.4	5403.7	5604.8	6032.1	6644.3	7285.2	7703.5	7656.8	7292.4	7010.5
27.5°	5111.1	5145.2	5364.2	5829.2	6507.8	7321.1	7976.4	7999.7	7570.6	7202.6
30°	4906.5	4938.8	5172.2	5665.9	6331.9	7285.2	8215.1	8376.7	7854.3	7369.6
32.5°	4682.0	4723.3	4969.3	5466.6	6123.6	7199.0	8423.4	8784.2	8182.8	7549.1
35°	4398.4	4436.1	4694.6	5193.7	5850.8	7060.8	8597.5	9236.6	8653.2	7822.0
37.5°	4053.7	4089.6	4346.3	4852.6	5579.7	6866.9	8730.4	9746.5	9213.3	8215.1
40°	3707.2	3741.3	3981.9	4472.0	5254.7	6619.1	8777.0	10245.6	9856.0	8755.5
42.5°	3389.5	3420.0	3640.8	4096.8	4890.3	6303.2	8716.0	10680.0	10432.3	9132.5
45°	3096.8	3123.8	3319.4	3744.9	4511.5	5919.0	8532.9	11146.8	11118.1	9401.8
47.5°	2762.9	2789.8	2992.7	3403.8	4132.7	5468.4	8222.3	11606.4	12071.4	10012.2
50°	2355.4	2378.7	2587.0	3010.7	3739.5	4989.0	7791.4	11967.2	13274.2	10936.8
52.5°	1872.5	1897.6	2100.5	2524.1	3272.8	4473.8	7224.1	12202.4	14663.7	12286.8
55°	1393.1	1411.1	1587.0	1967.6	2694.7	3886.7	6513.2	12268.8	16240.0	14132.3
57.5°	1010.7	1021.5	1134.6	1418.3	2043.0	3152.5	5649.7	12096.5	18116.0	16498.5
60°	818.6	822.2	856.3	982.0	1420.1	2323.1	4606.6	11504.1	20151.8	19548.6
62.5°	743.2	743.2	752.2	786.3	960.5	1533.2	3344.6	10276.1	22334.9	23403.1
65°	691.2	691.2	694.8	710.9	757.6	976.6	2111.2	8276.2	24175.0	27918.2
67.5°	644.5	646.3	644.5	649.9	676.8	721.7	1224.4	5716.1	25166.0	32596.6
70°	596.0	599.6	590.6	590.6	612.2	614.0	766.6	3134.5	24343.8	36517.5
72.5°	538.6	544.0	529.6	526.0	542.2	535.0	576.3	1504.4	20900.5	37688.0
75°	488.3	495.5	463.2	454.2	454.2	448.8	468.6	772.0	13565.0	30743.9
77.5°	443.4	457.8	405.7	377.0	369.8	353.7	382.4	472.2	5933.3	14433.9
80°	366.2	386.0	333.9	299.8	287.2	269.3	301.6	330.3	1764.7	3351.8
82.5°	272.9	281.9	237.0	213.6	202.9	190.3	226.2	229.8	574.5	1186.7
85°	174.1	177.7	145.4	125.7	120.3	114.9	143.6	125.7	219.0	872.5
87.5°	61.0	70.0	55.7	50.3	53.9	44.9	66.4	37.7	61.0	615.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6312.1  
6315.7  
6357.0  
6400.1  
6416.3  
6430.6  
6466.5  
6545.5  
6665.8  
6795.1  
6953.1  
7141.6  
7281.6  
7437.8  
7698.1  
8050.0  
8579.6  
8906.3  
9096.6  
9660.3  
10495.1  
11742.8  
13451.9  
15642.1  
18469.7  
21957.9  
26090.6  
30623.6  
35998.6  
39052.4  
32883.9  
14134.1  
3209.9  
1341.1  
1267.5  
763.0  
0.0

OF REPORT)