

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: P951320

Luminaire Tested: **GALN-SB5C-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
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-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39642 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

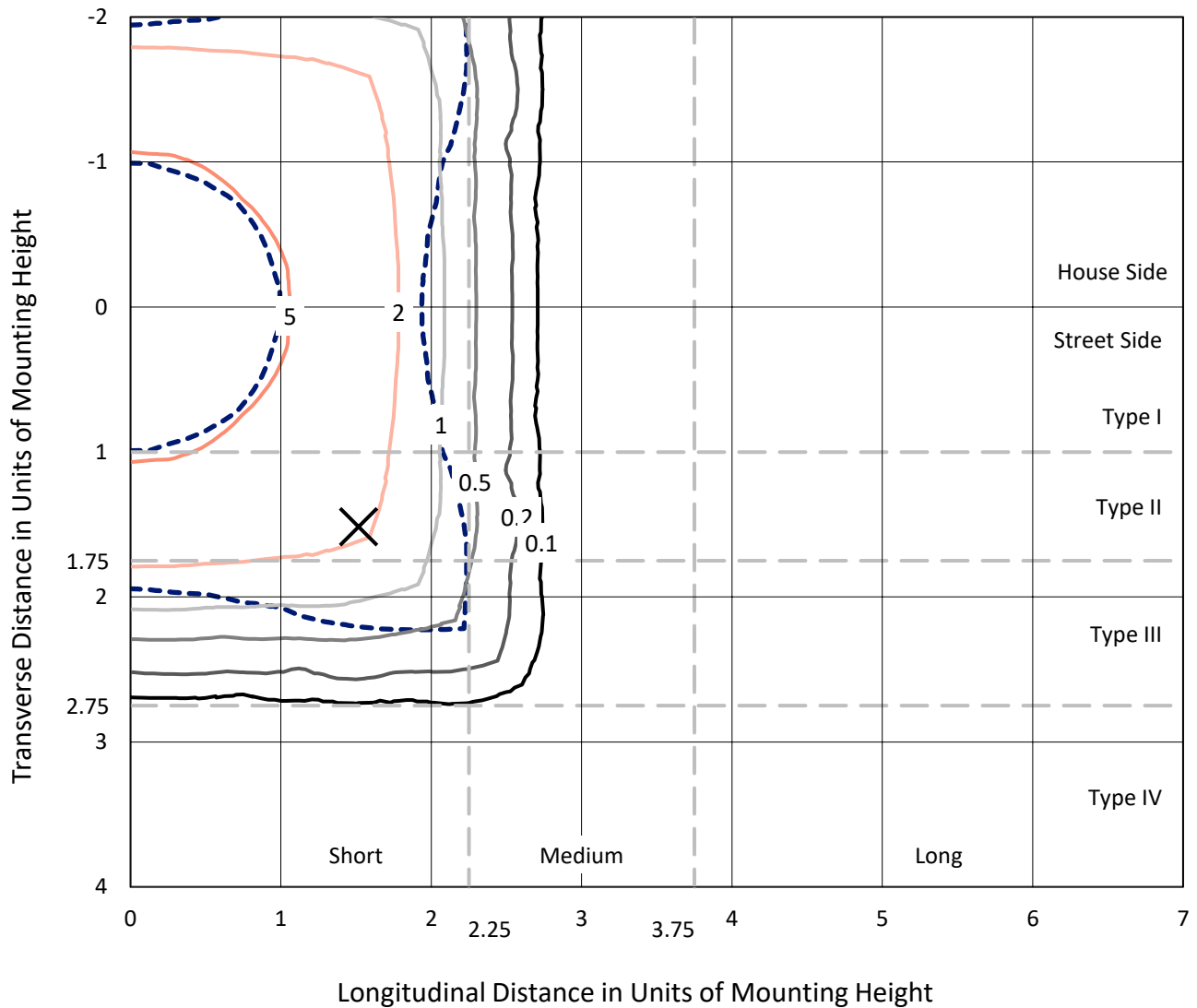
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951320
 CATALOG NUMBER: GALN-SB5C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

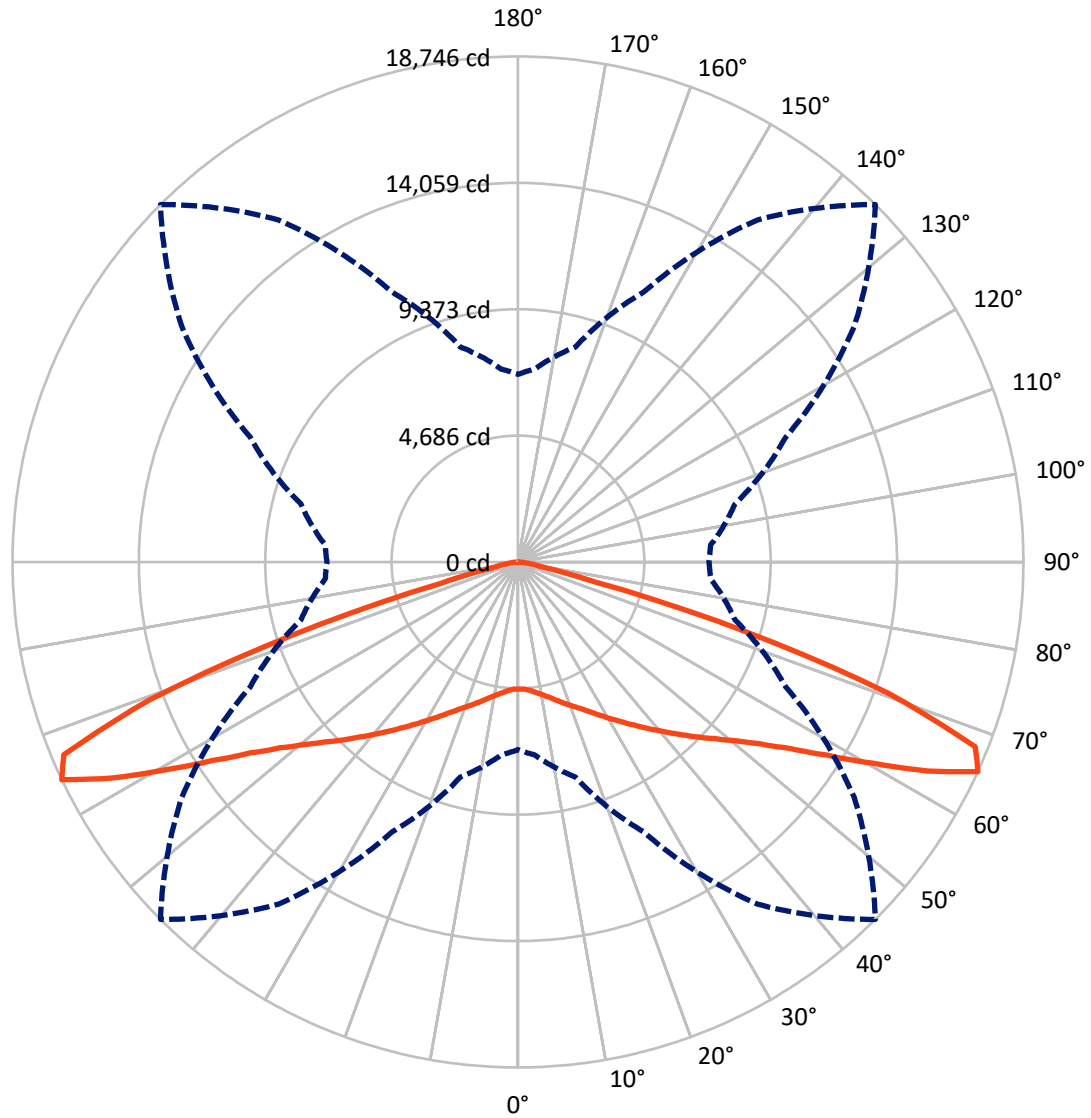
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

REPORT NUMBER: P951320
CATALOG NUMBER: GALN-SB5C-735-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P951320
 CATALOG NUMBER: GALN-SB5C-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19821.0	0.0	19821.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19821.0	0.0	19821.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39642.0	0.0	39642.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	465.6	1.2
10°-20°	1519.3	3.8
20°-30°	2868.6	7.2
30°-40°	4697.2	11.8
40°-50°	7283.1	18.4
50°-60°	10758.6	27.1
60°-70°	10241.2	25.8
70°-80°	1652.6	4.2
80°-90°	155.8	0.4
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°	39642.0	100.0
0°-180°	39642.0	100.0



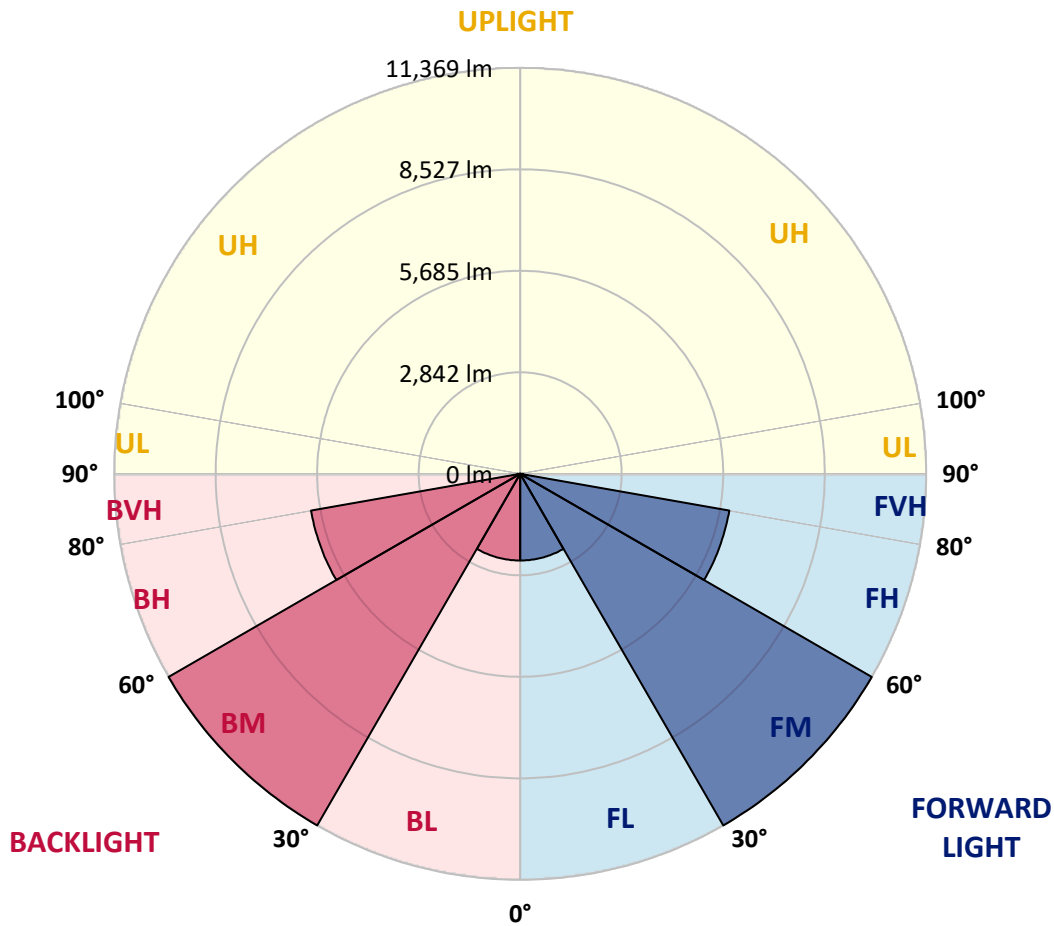
REPORT NUMBER: P951320
 CATALOG NUMBER: GALN-SB5C-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2426.7	6.1			
FM (30°-60°)	11369.5	28.7			
FH (60°-80°)	5946.9	15.0			G3/7500
FVH (80°-90°)	77.9	0.2			G1/100
BL (0°-30°)	2426.7	6.1	B3/2500		
BM (30°-60°)	11369.5	28.7	B5		
BH (60°-80°)	5946.9	15.0	B5		G3/7500
BVH (80°-90°)	77.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short



REPORT NUMBER: P951320
 CATALOG NUMBER: GALN-SB5C-735-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8	4717.8
2.5°	4749.6	4733.7	4745.6	4735.7	4727.7	4719.8	4723.8	4737.7	4743.7	4745.6
5°	4813.3	4799.3	4805.3	4805.3	4791.4	4787.4	4789.4	4799.3	4811.3	4811.3
7.5°	4916.7	4902.8	4916.7	4908.7	4896.8	4892.8	4890.8	4898.8	4916.7	4916.7
10°	5042.0	5026.1	5034.0	5030.1	5016.1	5010.2	5008.2	5020.1	5036.0	5034.0
12.5°	5179.2	5161.3	5171.3	5159.3	5155.4	5149.4	5149.4	5147.4	5157.4	5149.4
15°	5332.4	5320.4	5324.4	5316.5	5322.4	5318.5	5302.5	5294.6	5298.6	5286.6
17.5°	5513.4	5485.5	5499.5	5495.5	5495.5	5503.4	5477.6	5467.6	5475.6	5463.7
20°	5722.2	5694.4	5700.3	5692.4	5682.4	5690.4	5658.6	5666.5	5672.5	5664.5
22.5°	5950.9	5915.1	5913.2	5917.1	5895.3	5897.2	5875.4	5895.3	5907.2	5885.3
25°	6185.6	6147.9	6173.7	6163.8	6135.9	6141.9	6126.0	6145.9	6155.8	6128.0
27.5°	6434.3	6408.4	6432.3	6438.2	6404.4	6428.3	6404.4	6422.3	6432.3	6390.5
30°	6724.6	6698.8	6720.7	6736.6	6696.8	6734.6	6714.7	6726.6	6728.6	6678.9
32.5°	7040.9	7001.1	7056.8	7064.8	7021.0	7066.7	7040.9	7056.8	7066.7	6999.1
35°	7426.7	7377.0	7440.7	7430.7	7392.9	7430.7	7406.9	7430.7	7454.6	7373.0
37.5°	7842.4	7790.7	7858.3	7840.4	7804.6	7830.5	7816.6	7832.5	7870.3	7782.8
40°	8299.9	8236.3	8327.7	8295.9	8262.1	8258.1	8266.1	8276.0	8325.8	8228.3
42.5°	8789.2	8721.6	8858.8	8809.1	8761.3	8729.5	8755.4	8775.3	8823.0	8713.6
45°	9348.1	9270.5	9449.5	9389.8	9314.3	9248.6	9290.4	9320.2	9389.8	9258.6
47.5°	9964.7	9877.1	10068.1	10050.2	9926.9	9783.7	9879.1	9964.7	10016.4	9857.2
50°	10567.3	10499.7	10750.3	10772.2	10621.0	10420.1	10553.4	10682.7	10696.6	10487.7
52.5°	11132.2	11064.5	11428.5	11565.8	11430.5	11191.8	11333.0	11464.3	11358.9	11088.4
55°	11583.7	11528.0	11991.4	12345.4	12391.2	12194.3	12277.8	12273.8	11927.7	11512.1
57.5°	11693.0	11685.1	12269.8	13019.7	13497.0	13520.9	13355.8	12934.2	12188.3	11629.4
60°	11195.8	11245.5	12049.1	13371.7	14644.7	15173.7	14459.7	13256.4	11891.9	11116.3
62.5°	9708.1	9839.3	10808.0	12942.1	15571.5	17075.2	15344.8	12767.1	10674.7	9662.3
65°	6957.4	7186.1	8256.1	11044.7	15488.0	18745.9	15217.5	10955.1	8335.7	7168.2
67.5°	3156.5	3389.2	4298.1	7562.0	13463.2	18292.4	13431.4	7641.6	4512.9	3401.1
70°	1143.6	1183.4	1475.8	3027.2	8604.2	14575.0	8972.2	3049.1	1569.3	1261.0
72.5°	692.2	698.1	759.8	1084.0	2989.4	8848.8	3116.7	1119.8	775.7	688.2
75°	439.6	435.6	541.0	662.3	1060.1	2985.4	1111.8	662.3	539.0	491.3
77.5°	316.2	326.2	387.8	495.2	668.3	1012.4	656.4	473.4	387.8	318.2
80°	236.7	242.7	282.4	385.9	469.4	630.5	417.7	350.1	292.4	198.9
82.5°	171.0	171.0	185.0	280.4	286.4	340.1	226.7	246.6	192.9	141.2
85°	101.4	99.4	115.4	167.1	149.2	125.3	103.4	151.2	121.3	87.5
87.5°	35.8	37.8	35.8	47.7	39.8	33.8	31.8	41.8	33.8	29.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4717.8
4745.6
4811.3
4910.7
5030.1
5153.4
5288.6
5473.6
5682.4
5907.2
6159.8
6422.3
6708.7
7044.9
7422.8
7836.5
8260.1
8771.3
9326.2
9910.9
10513.6
11096.4
11526.0
11593.6
11024.8
9602.7
7082.7
3351.4
1245.1
700.1
495.2
324.2
204.9
141.2
85.5
27.8
0.0

OF REPORT)