

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: P532178

Luminaire Tested: **GALN-SA7C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38700 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

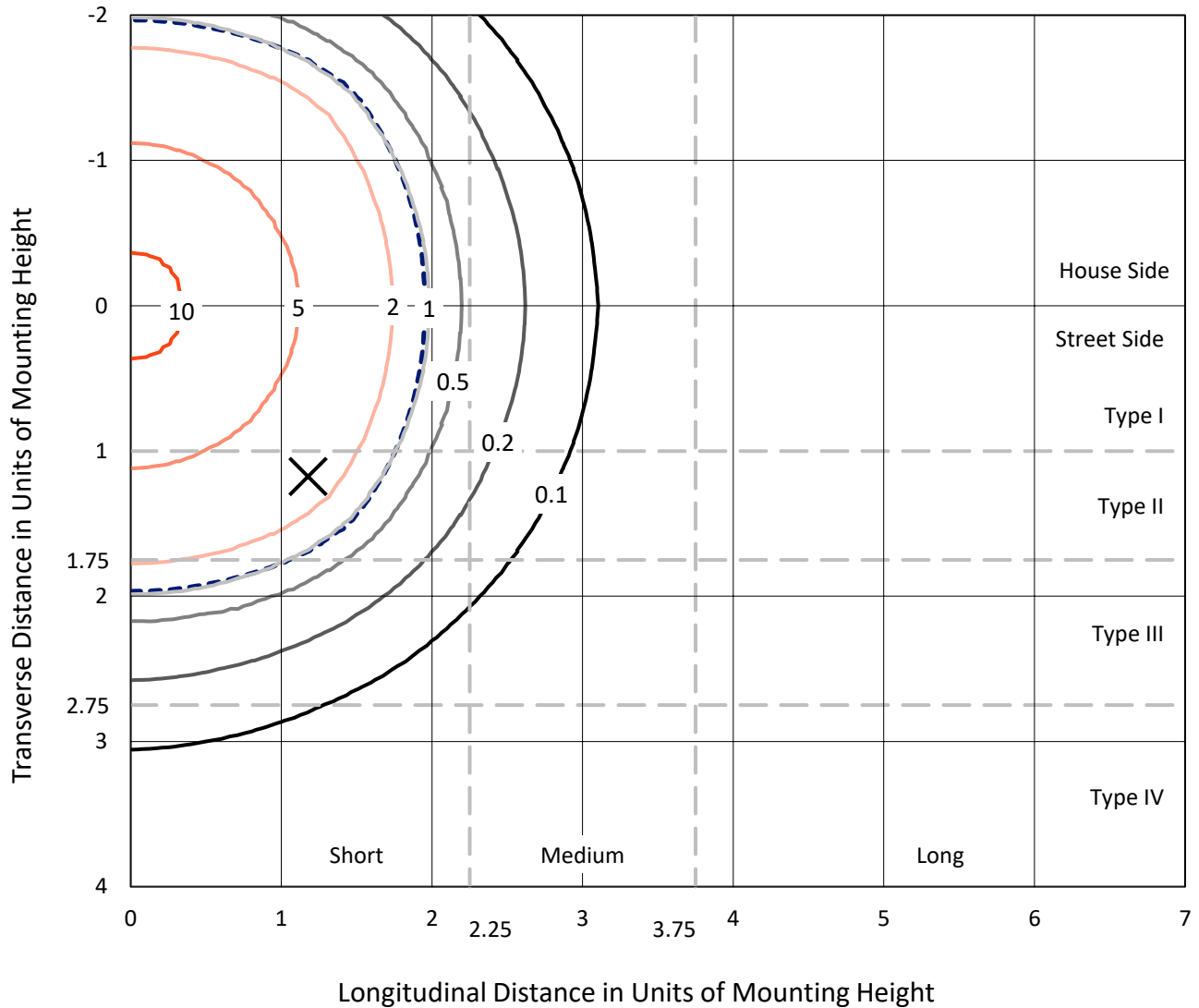
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532178
 CATALOG NUMBER: GALN-SA7C-735-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

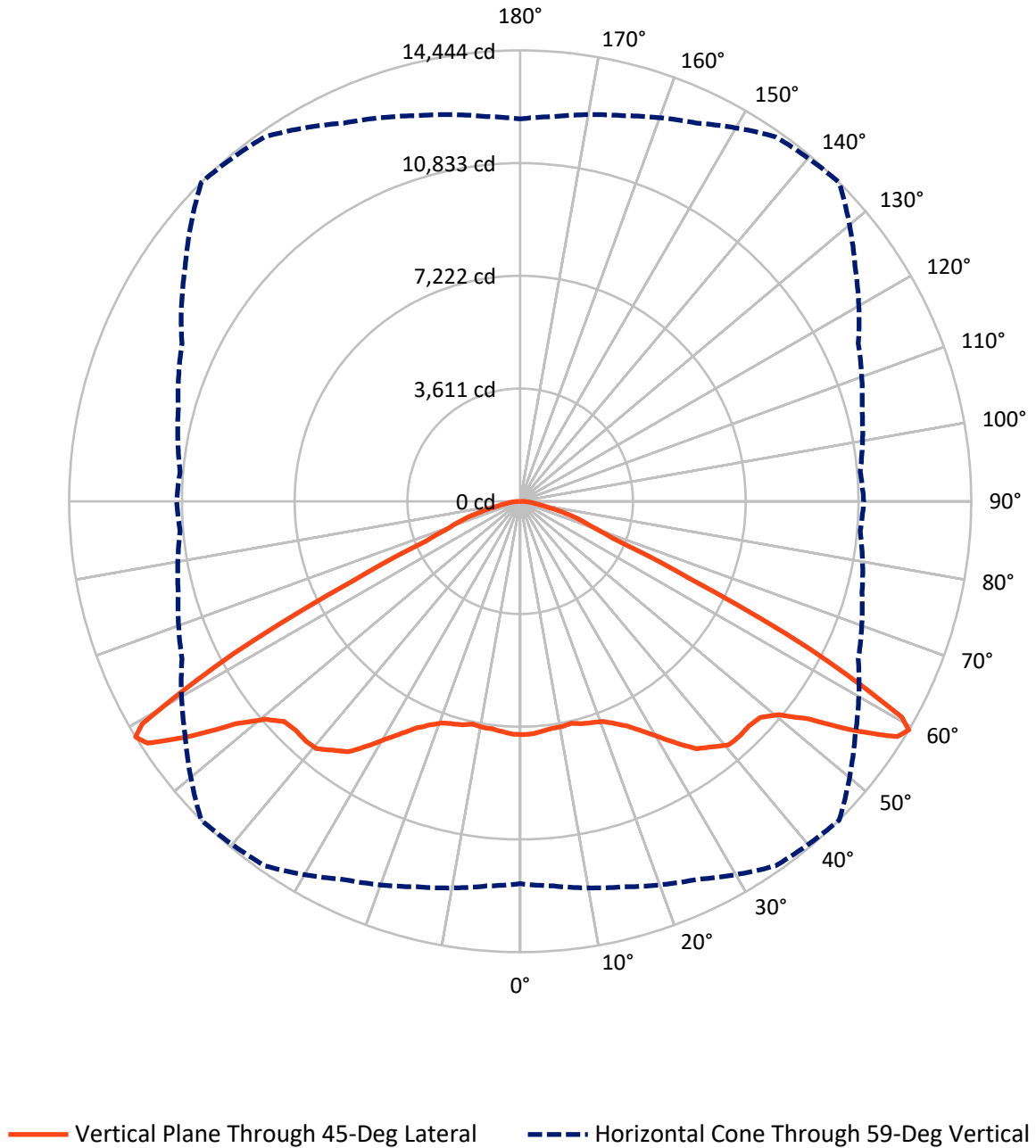
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 fc
 Type V - Short - N/A

REPORT NUMBER: P532178
CATALOG NUMBER: GALN-SA7C-735-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P532178
 CATALOG NUMBER: GALN-SA7C-735-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19350.0	0.0	19350.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19350.0	0.0	19350.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38700.0	0.0	38700.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.7	1.8
10°-20°	2095.5	5.4
20°-30°	3659.0	9.5
30°-40°	5843.9	15.1
40°-50°	7960.6	20.6
50°-60°	10764.9	27.8
60°-70°	5903.5	15.3
70°-80°	1510.3	3.9
80°-90°	257.6	0.7
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°	38700.0	100.0
0°-180°	38700.0	100.0

Coefficient of Utilization



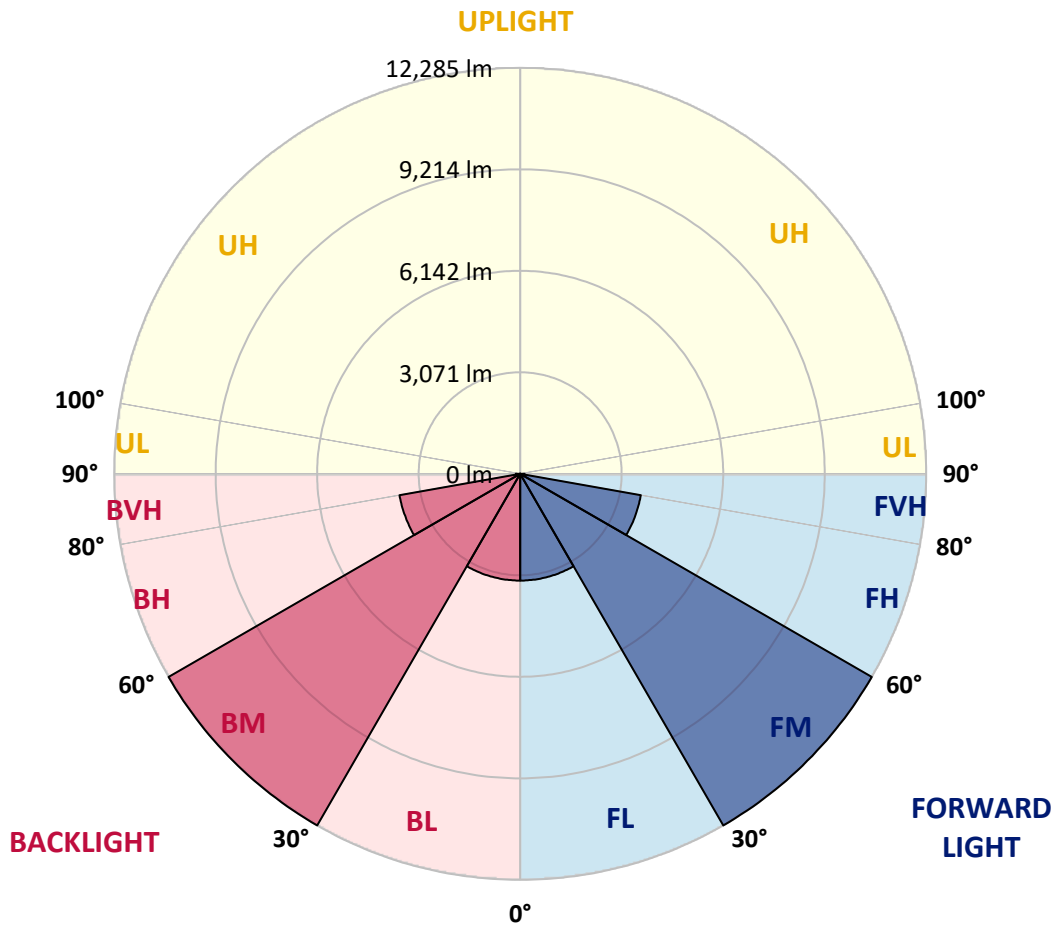
REPORT NUMBER: P532178
 CATALOG NUMBER: GALN-SA7C-735-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3229.6	8.3			
FM (30°-60°)	12284.7	31.7			
FH (60°-80°)	3706.9	9.6			G2/5000
FVH (80°-90°)	128.8	0.3			G2/225
BL (0°-30°)	3229.6	8.3	B4/5000		
BM (30°-60°)	12284.7	31.7	B5		
BH (60°-80°)	3706.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	128.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P532178

CATALOG NUMBER: GALN-SA7C-735-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0	7475.0
2.5°	7430.3	7484.9	7445.2	7479.9	7475.0	7460.1	7435.3	7420.4	7400.6	7430.3	7380.7
5°	7400.6	7445.2	7489.9	7430.3	7430.3	7400.6	7385.7	7355.9	7355.9	7351.0	7346.0
7.5°	7450.2	7405.5	7385.7	7395.6	7405.5	7341.1	7385.7	7326.2	7276.6	7311.3	7351.0
10°	7405.5	7425.4	7351.0	7385.7	7331.1	7341.1	7311.3	7351.0	7296.4	7296.4	7296.4
12.5°	7450.2	7395.6	7420.4	7395.6	7380.7	7296.4	7336.1	7291.5	7286.5	7336.1	7291.5
15°	7539.5	7450.2	7430.3	7380.7	7395.6	7395.6	7355.9	7360.9	7306.3	7336.1	7346.0
17.5°	7509.7	7460.1	7445.2	7385.7	7435.3	7450.2	7375.8	7326.2	7360.9	7355.9	7351.0
20°	7534.5	7554.4	7539.5	7549.4	7569.2	7529.6	7460.1	7390.7	7346.0	7410.5	7405.5
22.5°	7693.2	7673.4	7663.5	7653.6	7688.3	7728.0	7633.7	7524.6	7524.6	7569.2	7589.1
25°	7822.2	7817.2	7812.3	7856.9	7976.0	7976.0	7856.9	7718.0	7683.3	7713.1	7688.3
27.5°	8010.7	8065.3	8045.4	8124.8	8298.4	8338.1	8179.3	8015.6	7921.4	7886.7	7931.3
30°	8442.2	8377.7	8392.6	8476.9	8630.7	8759.7	8516.6	8343.0	8214.1	8209.1	8228.9
32.5°	8729.9	8779.5	8824.2	8903.5	9146.6	9245.8	8953.1	8670.4	8591.0	8546.4	8561.3
35°	9305.3	9260.7	9250.7	9330.1	9573.1	9736.8	9369.8	9121.8	9017.6	9116.8	9116.8
37.5°	9850.9	9726.9	9632.7	9736.8	9960.0	9979.9	9667.4	9533.5	9478.9	9593.0	9588.0
40°	10108.8	10098.9	9880.7	9940.2	10237.8	10267.6	9974.9	9816.2	9806.3	9955.1	10103.9
42.5°	10376.7	10282.5	10064.2	10103.9	10287.4	10297.3	10019.6	9974.9	10084.0	10227.9	10237.8
45°	10421.3	10342.0	10203.1	10103.9	10237.8	10267.6	10103.9	10133.6	10143.6	10317.2	10317.2
47.5°	10510.6	10500.7	10421.3	10346.9	10371.7	10346.9	10242.8	10287.4	10436.2	10520.5	10480.9
50°	10758.6	10654.5	10733.8	10669.3	10674.3	10743.7	10649.5	10694.1	10664.4	10590.0	10540.4
52.5°	11304.2	11254.6	11324.1	11368.7	11418.3	11577.1	11467.9	11229.8	11006.6	10808.2	10803.3
55°	12102.8	12137.6	12271.5	12499.7	12693.1	12946.1	12420.3	11849.9	11492.7	11180.2	11200.1
57.5°	12856.8	12832.0	13015.5	13536.3	14101.8	14230.8	13199.0	12385.6	11805.2	11606.8	11522.5
59°	12251.6	12370.7	12787.3	13367.7	14255.6	14444.0	13094.9	11949.1	11334.0	10932.2	11001.7
60°	11299.3	11343.9	11715.9	12524.5	13724.8	14047.2	12395.5	11274.5	10456.1	10222.9	10327.1
62.5°	7985.9	7951.2	8219.0	8878.7	9955.1	10391.6	9216.0	8427.3	7911.5	7653.6	7713.1
65°	4245.9	4404.6	4513.8	4925.5	5495.9	5957.2	5471.1	5128.8	4841.1	4627.8	4622.9
67.5°	2867.0	2847.1	2871.9	2966.2	3159.6	3288.6	3278.7	3105.1	3080.3	3040.6	3085.2
70°	2415.6	2405.7	2361.0	2361.0	2400.7	2430.5	2465.2	2485.0	2524.7	2574.3	2569.4
72.5°	1959.3	1934.5	1904.7	1889.8	1939.4	1954.3	1999.0	2018.8	2053.5	2048.6	2093.2
75°	1294.6	1294.6	1329.3	1369.0	1383.9	1413.7	1418.6	1478.1	1478.1	1488.1	1448.4
77.5°	724.2	704.3	729.1	768.8	803.5	858.1	912.7	957.3	982.1	972.2	972.2
80°	421.6	421.6	446.4	491.1	535.7	585.3	625.0	659.7	684.5	674.6	654.7
82.5°	262.9	262.9	287.7	332.3	367.1	396.8	451.4	496.0	525.8	515.9	491.1
85°	133.9	133.9	163.7	193.4	238.1	257.9	253.0	233.1	228.2	203.4	203.4
87.5°	34.7	34.7	49.6	54.6	44.6	49.6	49.6	49.6	49.6	49.6	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)