

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: P531242

Luminaire Tested: **GALN-SA6C-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531242
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-SA6C-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 32948 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

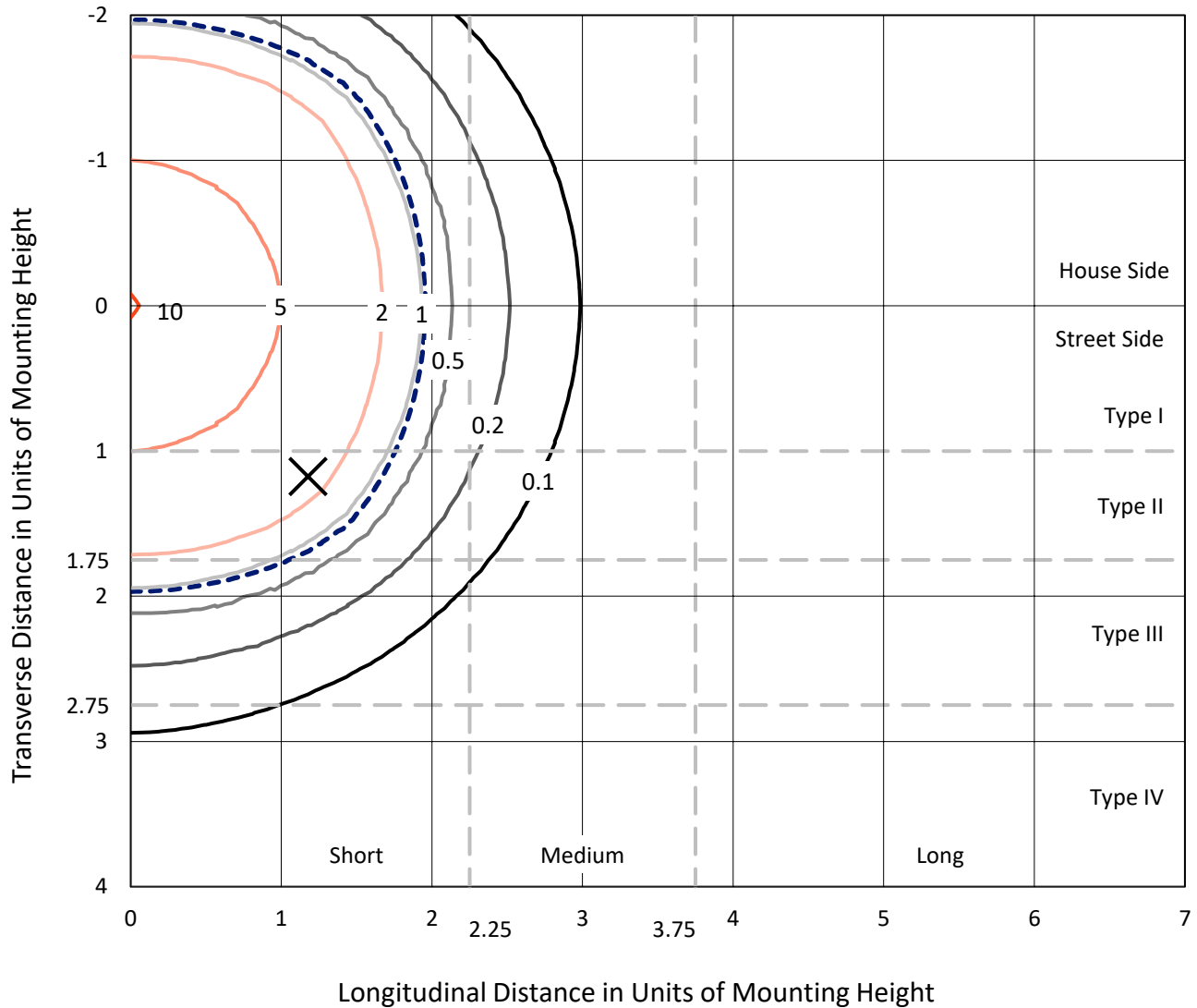
Input Watts (W): 321
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P531242
 CATALOG NUMBER: GALN-SA6C-735-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

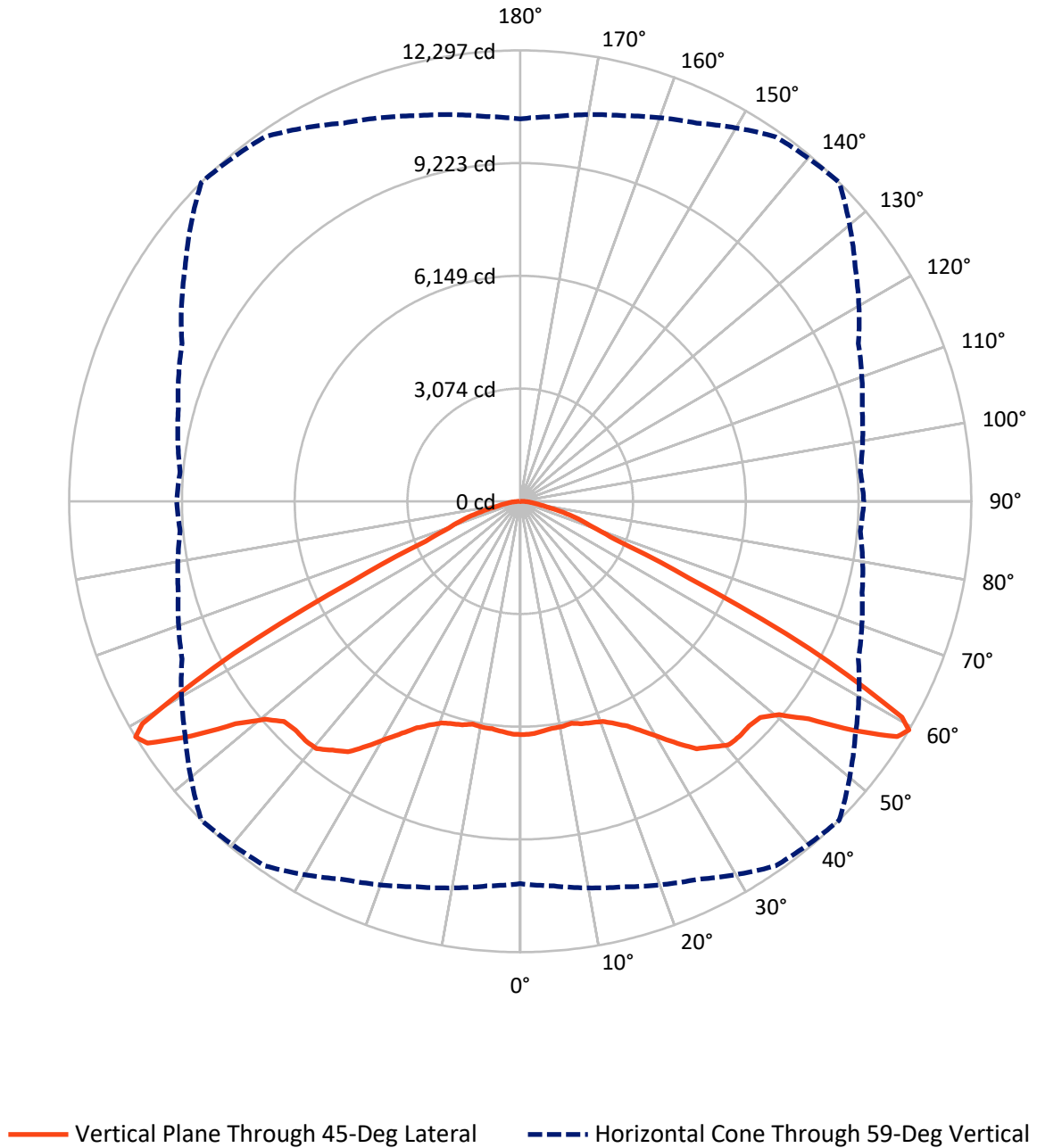
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type V - Short - N/A

REPORT NUMBER: P531242
CATALOG NUMBER: GALN-SA6C-735-U-5WQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P531242
 CATALOG NUMBER: GALN-SA6C-735-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16474.0	0.0	16474.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16474.0	0.0	16474.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32948.0	0.0	32948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.9	1.8
10°-20°	1784.1	5.4
20°-30°	3115.2	9.5
30°-40°	4975.4	15.1
40°-50°	6777.4	20.6
50°-60°	9164.9	27.8
60°-70°	5026.1	15.3
70°-80°	1285.8	3.9
80°-90°	219.3	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°	32948.0	100.0
0°-180°	32948.0	100.0

Coefficient of Utilization

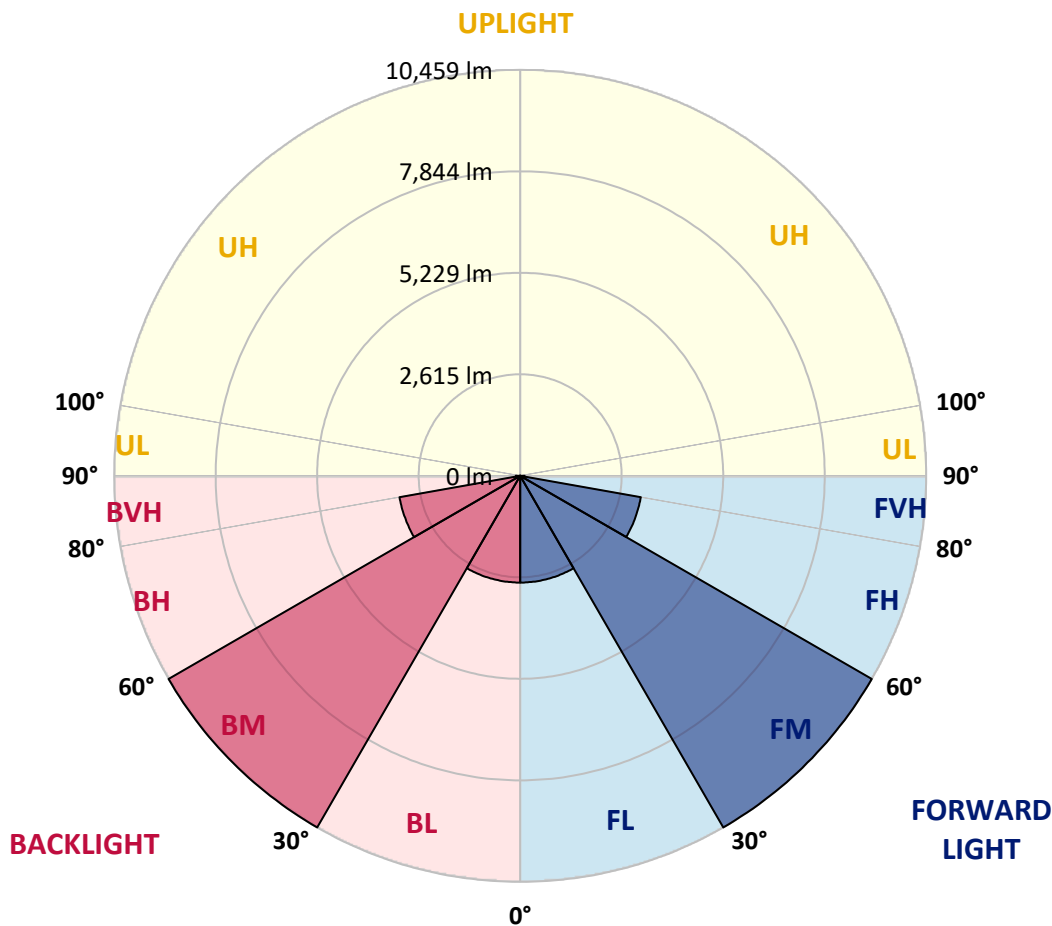


REPORT NUMBER: P531242
 CATALOG NUMBER: GALN-SA6C-735-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2749.6	8.3			
FM (30°-60°)	10458.9	31.7			
FH (60°-80°)	3155.9	9.6			G2/5000
FVH (80°-90°)	109.6	0.3			G2/225
BL (0°-30°)	2749.6	8.3	B4/5000		
BM (30°-60°)	10458.9	31.7	B5		
BH (60°-80°)	3155.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	109.6	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: P531242

CATALOG NUMBER: GALN-SA6C-735-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0	6364.0
2.5°	6326.0	6372.4	6338.6	6368.2	6364.0	6351.3	6330.2	6317.5	6300.6	6326.0	6283.7
5°	6300.6	6338.6	6376.6	6326.0	6326.0	6300.6	6288.0	6262.6	6262.6	6258.4	6254.2
7.5°	6342.9	6304.9	6288.0	6296.4	6304.9	6250.0	6288.0	6237.3	6195.1	6224.6	6258.4
10°	6304.9	6321.7	6258.4	6288.0	6241.5	6250.0	6224.6	6258.4	6212.0	6212.0	6212.0
12.5°	6342.9	6296.4	6317.5	6296.4	6283.7	6212.0	6245.7	6207.7	6203.5	6245.7	6207.7
15°	6418.9	6342.9	6326.0	6283.7	6296.4	6296.4	6262.6	6266.9	6220.4	6245.7	6254.2
17.5°	6393.5	6351.3	6338.6	6288.0	6330.2	6342.9	6279.5	6237.3	6266.9	6262.6	6258.4
20°	6414.7	6431.5	6418.9	6427.3	6444.2	6410.4	6351.3	6292.2	6254.2	6309.1	6304.9
22.5°	6549.8	6532.9	6524.4	6516.0	6545.6	6579.3	6499.1	6406.2	6406.2	6444.2	6461.1
25°	6659.6	6655.4	6651.1	6689.1	6790.5	6790.5	6689.1	6570.9	6541.3	6566.7	6545.6
27.5°	6820.1	6866.5	6849.6	6917.2	7065.0	7098.8	6963.6	6824.3	6744.0	6714.5	6752.5
30°	7187.5	7132.6	7145.2	7217.0	7347.9	7457.7	7250.8	7103.0	6993.2	6989.0	7005.9
32.5°	7432.4	7474.6	7512.6	7580.2	7787.1	7871.6	7622.4	7381.7	7314.1	7276.1	7288.8
35°	7922.2	7884.2	7875.8	7943.4	8150.3	8289.6	7977.1	7766.0	7677.3	7761.8	7761.8
37.5°	8386.8	8281.2	8201.0	8289.6	8479.7	8496.6	8230.5	8116.5	8070.0	8167.2	8163.0
40°	8606.4	8597.9	8412.1	8462.8	8716.2	8741.5	8492.3	8357.2	8348.8	8475.5	8602.1
42.5°	8834.4	8754.2	8568.4	8602.1	8758.4	8766.8	8530.3	8492.3	8585.2	8707.7	8716.2
45°	8872.4	8804.8	8686.6	8602.1	8716.2	8741.5	8602.1	8627.5	8635.9	8783.7	8783.7
47.5°	8948.4	8940.0	8872.4	8809.1	8830.2	8809.1	8720.4	8758.4	8885.1	8956.9	8923.1
50°	9159.6	9070.9	9138.5	9083.6	9087.8	9146.9	9066.7	9104.7	9079.3	9016.0	8973.8
52.5°	9624.1	9581.9	9641.0	9679.0	9721.2	9856.4	9763.4	9560.7	9370.7	9201.8	9197.6
55°	10304.0	10333.5	10447.6	10641.8	10806.5	11021.9	10574.3	10088.6	9784.6	9518.5	9535.4
57.5°	10945.9	10924.8	11081.0	11524.4	12005.8	12115.6	11237.3	10544.7	10050.6	9881.7	9809.9
59°	10430.7	10532.0	10886.8	11380.8	12136.7	12297.2	11148.6	10173.1	9649.4	9307.4	9366.5
60°	9619.9	9657.9	9974.6	10662.9	11684.9	11959.4	10553.1	9598.8	8902.0	8703.5	8792.2
62.5°	6798.9	6769.4	6997.4	7559.1	8475.5	8847.1	7846.2	7174.8	6735.6	6516.0	6566.7
65°	3614.8	3750.0	3842.9	4193.4	4679.0	5071.8	4657.9	4366.5	4121.6	3940.0	3935.8
67.5°	2440.9	2424.0	2445.1	2525.3	2690.0	2799.8	2791.4	2643.6	2622.4	2588.7	2626.7
70°	2056.6	2048.1	2010.1	2010.1	2043.9	2069.2	2098.8	2115.7	2149.5	2191.7	2187.5
72.5°	1668.1	1646.9	1621.6	1608.9	1651.2	1663.8	1701.8	1718.7	1748.3	1744.1	1782.1
75°	1102.2	1102.2	1131.7	1165.5	1178.2	1203.5	1207.8	1258.4	1258.4	1266.9	1233.1
77.5°	616.5	599.7	620.8	654.6	684.1	730.6	777.0	815.0	836.1	827.7	827.7
80°	359.0	359.0	380.1	418.1	456.1	498.3	532.1	561.7	582.8	574.3	557.4
82.5°	223.8	223.8	244.9	282.9	312.5	337.8	384.3	422.3	447.6	439.2	418.1
85°	114.0	114.0	139.4	164.7	202.7	219.6	215.4	198.5	194.3	173.1	173.1
87.5°	29.6	29.6	42.2	46.5	38.0	42.2	42.2	42.2	42.2	42.2	46.5
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)