

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: P533060

Luminaire Tested: **GALN-SA8C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42764 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

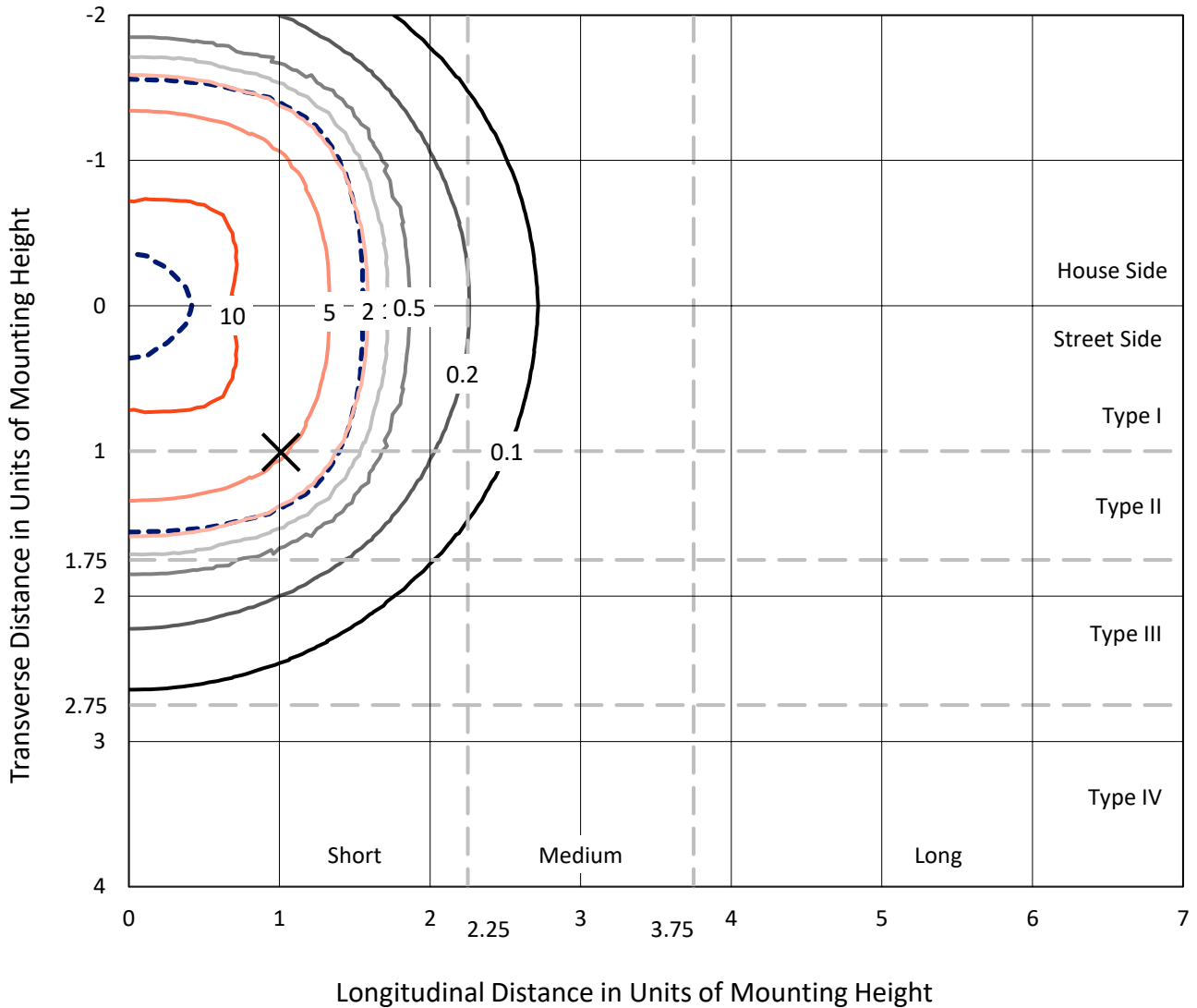
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533060
 CATALOG NUMBER: GALN-SA8C-727-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

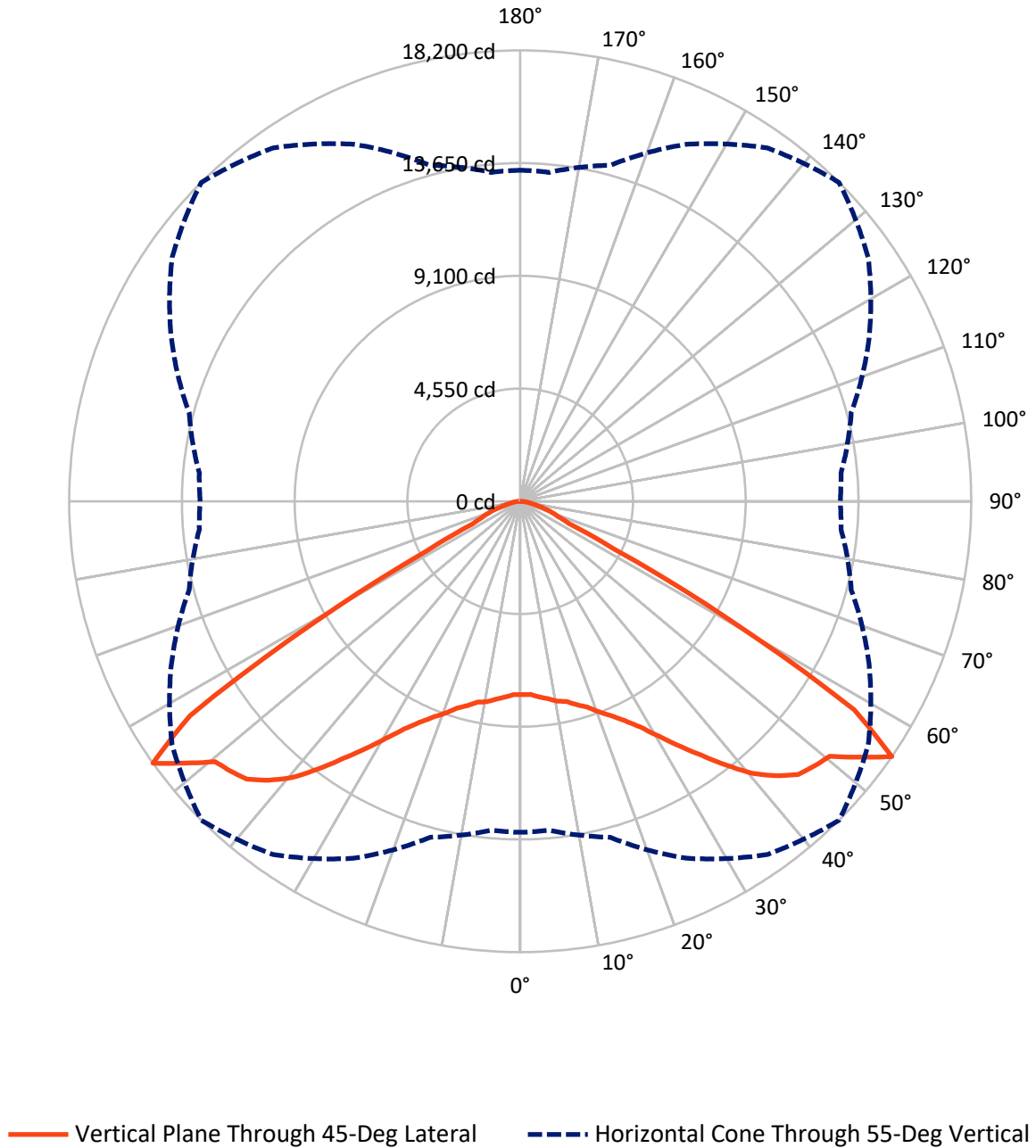
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 fc
 Type V - Short - N/A

REPORT NUMBER: P533060
CATALOG NUMBER: GALN-SA8C-727-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P533060
 CATALOG NUMBER: GALN-SA8C-727-U-5NQ-GRSWH

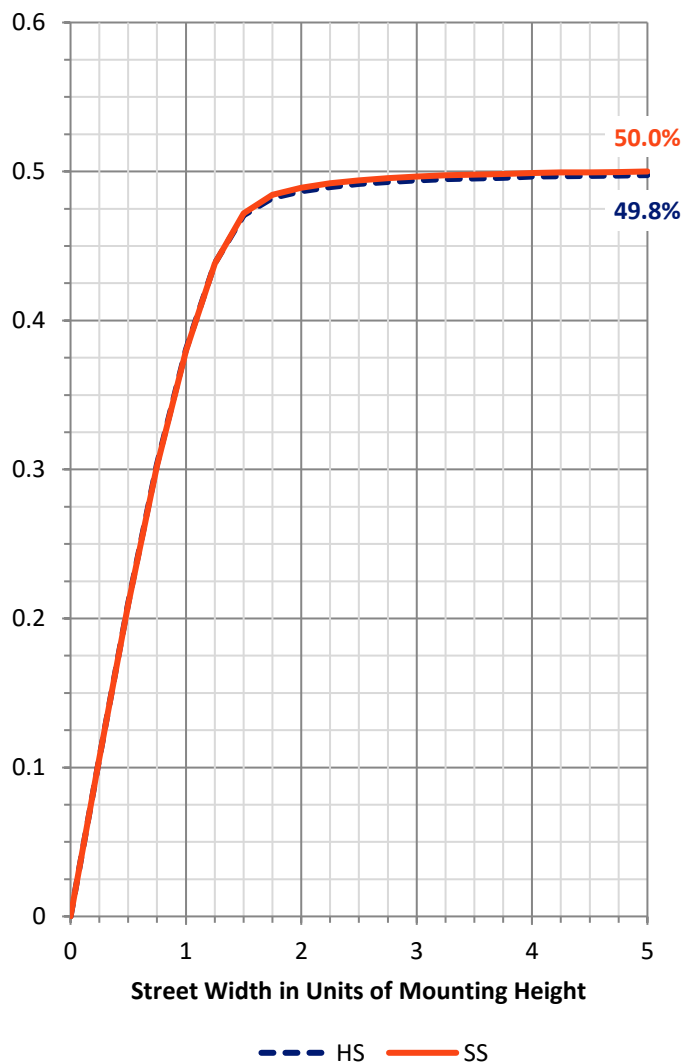
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21382.0	0.0	21382.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21382.0	0.0	21382.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42764.0	0.0	42764.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	762.8	1.8
10°-20°	2416.9	5.7
20°-30°	4506.7	10.5
30°-40°	7545.6	17.6
40°-50°	11741.6	27.5
50°-60°	12191.4	28.5
60°-70°	2585.4	6.0
70°-80°	851.5	2.0
80°-90°	162.2	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°	42764.0	100.0
0°-180°	42764.0	100.0

Coefficient of Utilization

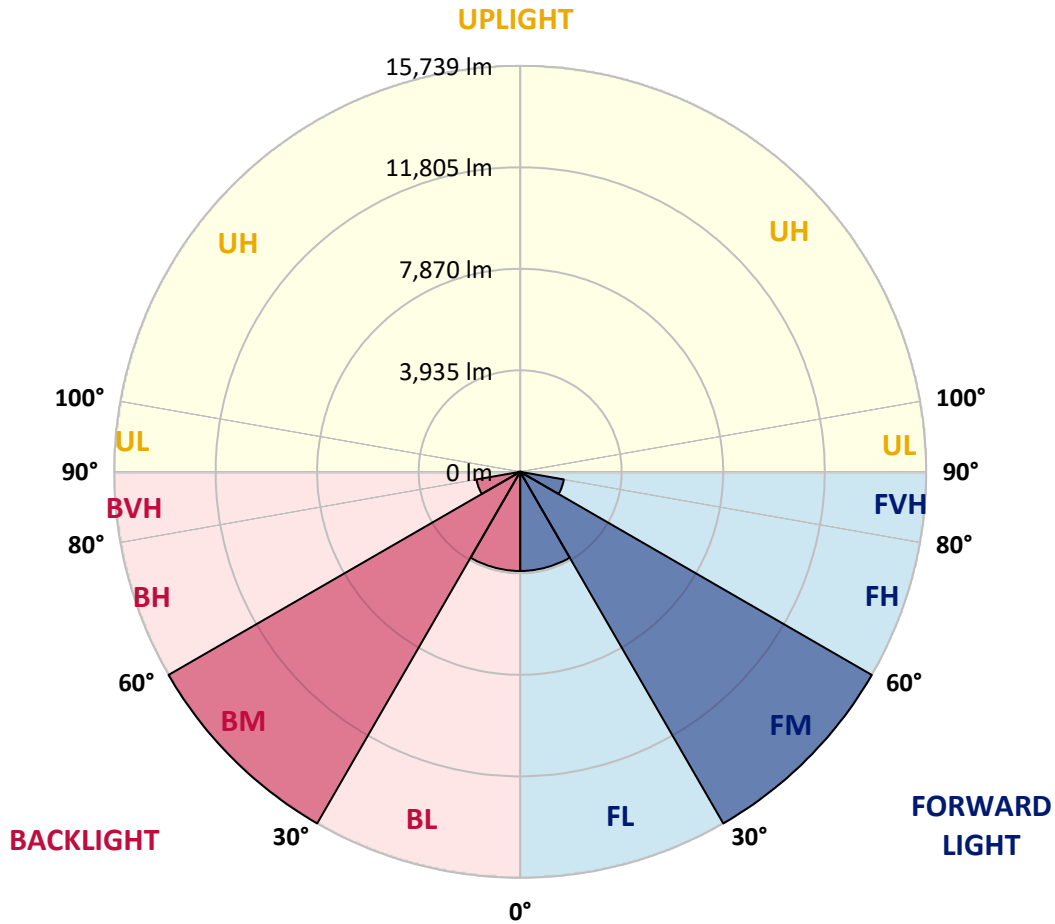


REPORT NUMBER: P533060
 CATALOG NUMBER: GALN-SA8C-727-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3843.2	9.0			
FM (30°-60°)	15739.3	36.8			
FH (60°-80°)	1718.4	4.0			G1/1800
FVH (80°-90°)	81.1	0.2			G1/100
BL (0°-30°)	3843.2	9.0	B4/5000		
BM (30°-60°)	15739.3	36.8	B5		
BH (60°-80°)	1718.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	81.1	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-G1
 Type V Short





REPORT NUMBER: P533060

CATALOG NUMBER: GALN-SA8C-727-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1	7808.1
2.5°	7901.1	7864.9	7802.9	7849.4	7885.6	7808.1	7839.1	7854.6	7844.2	7802.9	7818.4
5°	8014.8	7994.1	7942.4	7978.6	7932.1	7932.1	7901.1	7859.7	7921.8	7911.4	7937.3
7.5°	8014.8	7988.9	8092.3	8025.1	8045.8	8045.8	7994.1	7952.8	7983.8	7937.3	7911.4
10°	8175.0	8211.1	8164.6	8180.1	8169.8	8206.0	8128.5	8102.6	8076.8	8061.3	8030.3
12.5°	8366.2	8340.3	8355.8	8345.5	8381.7	8288.6	8242.1	8185.3	8231.8	8164.6	8211.1
15°	8521.2	8505.7	8521.2	8562.5	8526.3	8521.2	8438.5	8381.7	8309.3	8324.8	8252.5
17.5°	8733.0	8717.5	8722.7	8758.9	8753.7	8727.9	8665.9	8557.4	8531.5	8490.2	8443.7
20°	9048.3	9022.4	9012.1	9027.6	9053.4	9074.1	8950.1	8908.7	8820.9	8753.7	8676.2
22.5°	9317.0	9306.6	9348.0	9280.8	9337.6	9399.7	9280.8	9260.1	9043.1	9006.9	8924.2
25°	9689.0	9673.5	9647.7	9745.9	9813.1	9807.9	9694.2	9580.5	9415.2	9373.8	9373.8
27.5°	10081.8	9993.9	10128.3	10154.1	10273.0	10309.1	10210.9	10045.6	9890.6	9802.7	9823.4
30°	10572.7	10490.0	10521.0	10707.0	10862.1	10996.4	10748.4	10505.5	10288.5	10133.4	10107.6
32.5°	11063.6	10980.9	11073.9	11254.8	11564.8	11766.4	11523.5	11099.8	10846.5	10619.2	10665.7
35°	11461.5	11523.5	11673.3	11947.2	12267.6	12593.2	12205.6	11880.0	11518.3	11265.1	11301.3
37.5°	12102.2	12293.4	12412.3	12727.5	13182.3	13518.1	13115.1	12691.3	12303.8	11973.1	11859.4
40°	12939.4	13068.6	13202.9	13575.0	14112.4	14448.3	14065.9	13513.0	13130.6	12789.5	12774.0
42.5°	13859.2	13983.2	14122.7	14577.5	14897.9	15151.1	14799.7	14505.1	14081.4	13812.7	13797.2
45°	14928.9	14841.0	14996.0	15295.8	15564.5	15729.8	15502.5	15357.8	15052.9	14804.8	14779.0
47.5°	15642.0	15564.5	15843.5	16112.2	16153.6	15972.7	16019.2	16153.6	15833.2	15424.9	15554.1
50°	16055.4	16055.4	16241.4	16489.4	16411.9	16179.4	16546.3	16556.6	16236.2	15874.5	15874.5
52.5°	15337.1	15497.3	16024.4	16835.7	17094.0	17161.2	17078.5	16727.1	15890.0	15151.1	15114.9
55°	13363.1	13326.9	14040.1	15900.3	17404.1	18199.9	17145.7	15528.3	13828.2	12996.2	12913.5
57.5°	8691.7	8733.0	9797.5	11694.0	14406.9	15890.0	14112.4	11838.7	9797.5	8650.4	8758.9
60°	3911.8	4051.3	4697.2	6113.1	8443.7	9652.9	8464.3	6423.2	4929.8	4278.7	4335.5
62.5°	2247.9	2273.7	2299.5	2728.4	3596.6	4252.8	3736.1	2883.5	2542.4	2428.7	2428.7
65°	1896.5	1881.0	1886.1	1922.3	2015.3	2149.7	2092.8	2015.3	2025.7	2015.3	1999.8
67.5°	1612.3	1632.9	1617.4	1643.3	1648.4	1669.1	1705.3	1736.3	1741.4	1751.8	1741.4
70°	1322.9	1328.0	1338.4	1359.0	1364.2	1379.7	1431.4	1457.2	1472.7	1472.7	1493.4
72.5°	1012.8	1007.7	1018.0	1038.7	1064.5	1069.7	1116.2	1152.3	1173.0	1147.2	1152.3
75°	666.6	671.8	687.3	702.8	739.0	775.1	790.6	826.8	832.0	842.3	816.5
77.5°	397.9	408.2	423.7	454.7	485.7	516.7	552.9	578.8	589.1	578.8	547.8
80°	258.4	258.4	279.0	304.9	341.1	366.9	387.6	408.2	423.7	408.2	397.9
82.5°	160.2	160.2	186.0	217.0	242.9	258.4	289.4	315.2	330.7	320.4	304.9
85°	82.7	87.8	108.5	134.4	155.0	165.4	160.2	144.7	129.2	124.0	113.7
87.5°	25.8	25.8	31.0	31.0	25.8	25.8	31.0	25.8	31.0	31.0	31.0
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)