

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: P532592

Luminaire Tested: **GALN-SA8A-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532592
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-SA8A-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2700K, 615mA 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: 27817 lumens
Efficiency: N/A
Efficacy: 114.0 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

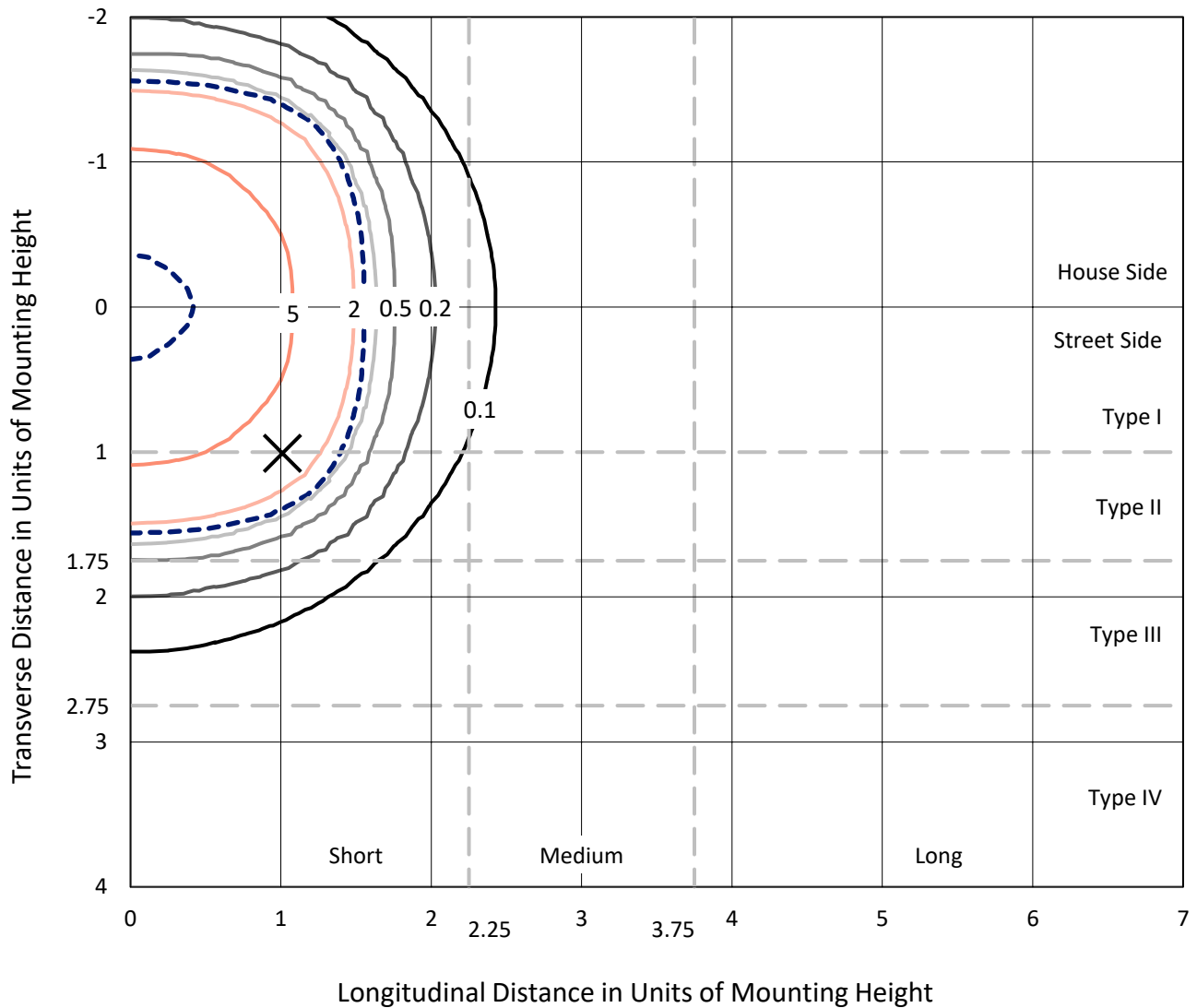
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P532592
 CATALOG NUMBER: GALN-SA8A-727-U-5NQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

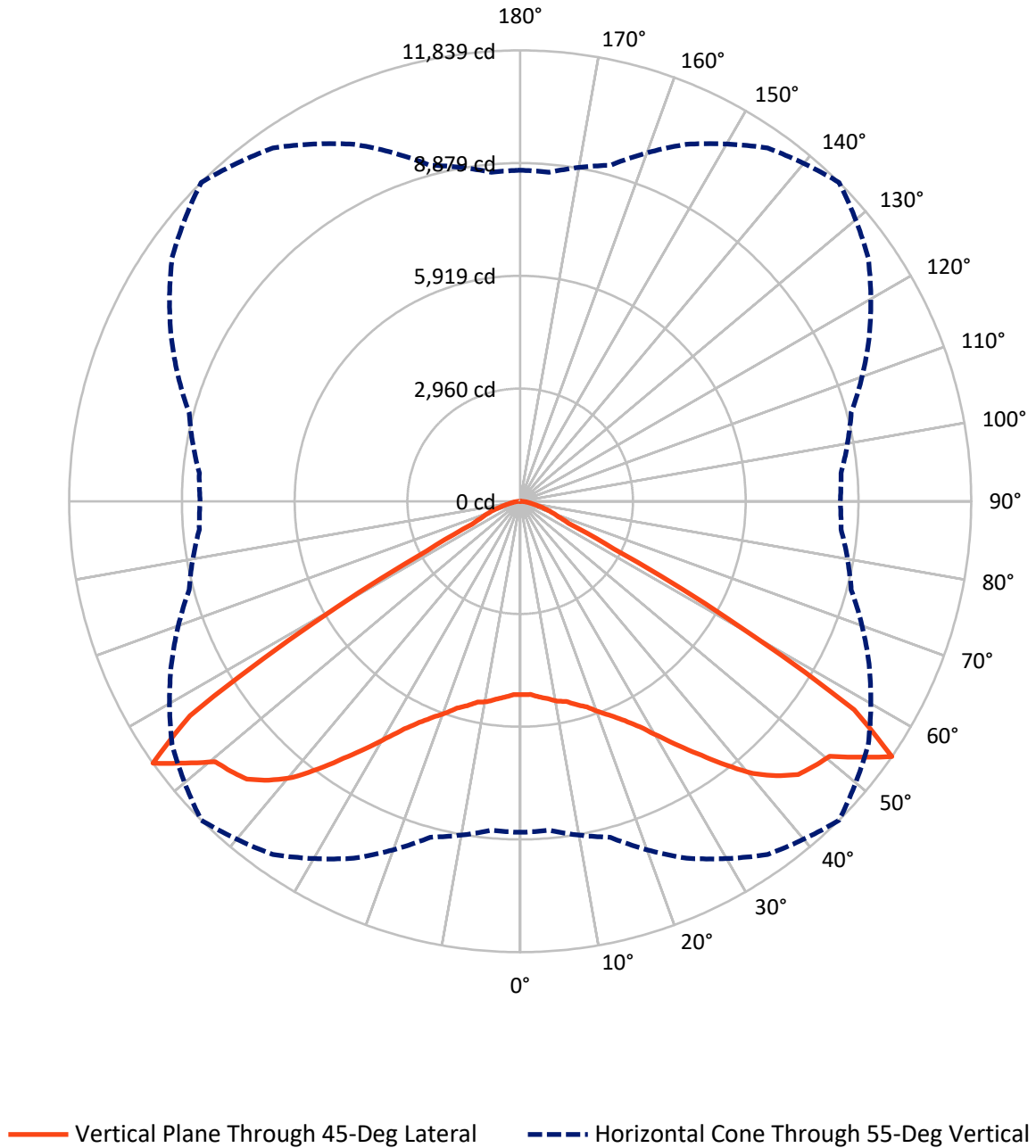
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

REPORT NUMBER: P532592
CATALOG NUMBER: GALN-SA8A-727-U-5NQ-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P532592
 CATALOG NUMBER: GALN-SA8A-727-U-5NQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13908.5	0.0	13908.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13908.5	0.0	13908.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27817.0	0.0	27817.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.2	1.8
10°-20°	1572.1	5.7
20°-30°	2931.5	10.5
30°-40°	4908.3	17.6
40°-50°	7637.6	27.5
50°-60°	7930.3	28.5
60°-70°	1681.7	6.0
70°-80°	553.9	2.0
80°-90°	105.5	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°	27817.0	100.0
0°-180°	27817.0	100.0



REPORT NUMBER: P532592

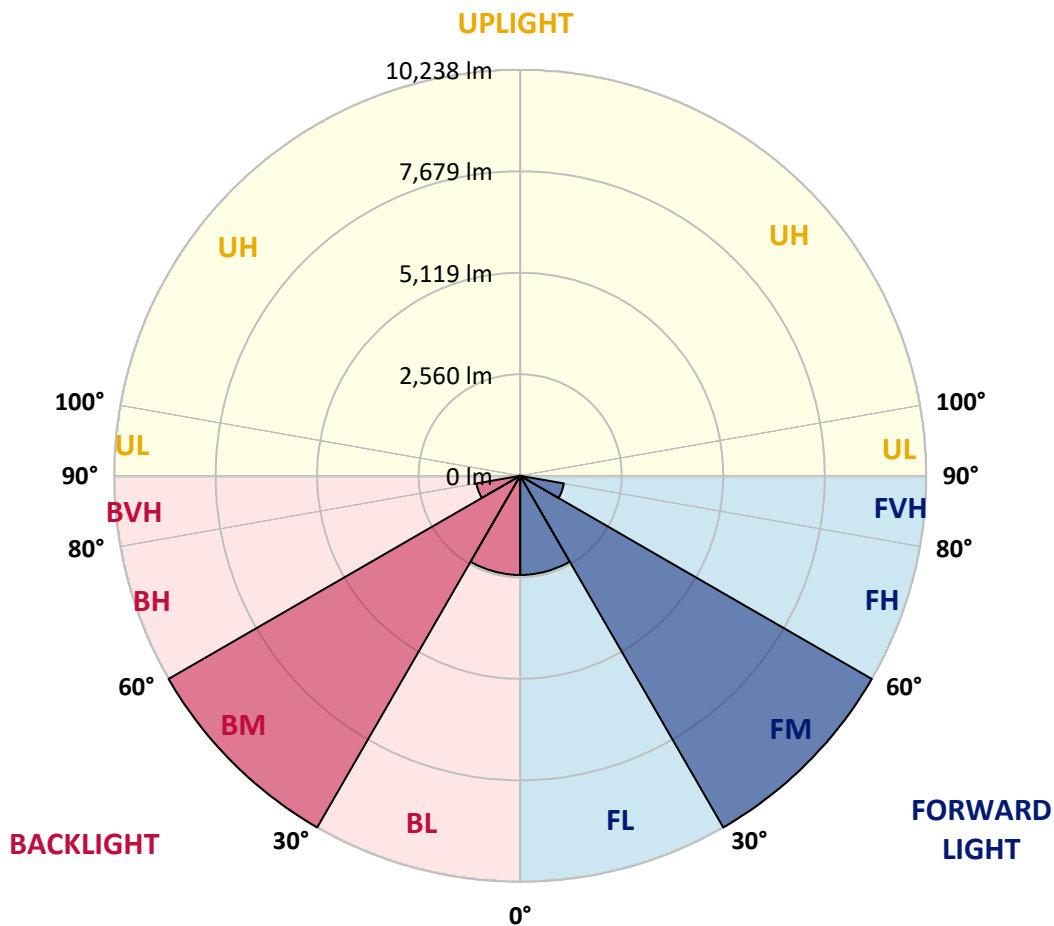
CATALOG NUMBER: GALN-SA8A-727-U-5NQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2499.9	9.0			
FM (30°-60°)	10238.1	36.8			
FH (60°-80°)	1117.8	4.0			G1/1800
FVH (80°-90°)	52.7	0.2			G1/100
BL (0°-30°)	2499.9	9.0	B3/2500		
BM (30°-60°)	10238.1	36.8	B5		
BH (60°-80°)	1117.8	4.0	B3/2500		G1/1800
BVH (80°-90°)	52.7	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: P532592

CATALOG NUMBER: GALN-SA8A-727-U-5NQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0	5079.0
2.5°	5139.5	5115.9	5075.6	5105.9	5129.4	5079.0	5099.1	5109.2	5102.5	5075.6	5085.7
5°	5213.4	5200.0	5166.4	5189.9	5159.6	5159.6	5139.5	5112.6	5152.9	5146.2	5163.0
7.5°	5213.4	5196.6	5263.8	5220.1	5233.6	5233.6	5200.0	5173.1	5193.3	5163.0	5146.2
10°	5317.6	5341.2	5310.9	5321.0	5314.3	5337.8	5287.4	5270.6	5253.8	5243.7	5223.5
12.5°	5442.0	5425.2	5435.3	5428.5	5452.1	5391.6	5361.3	5324.3	5354.6	5310.9	5341.2
15°	5542.8	5532.7	5542.8	5569.7	5546.2	5542.8	5489.1	5452.1	5405.0	5415.1	5368.0
17.5°	5680.6	5670.6	5673.9	5697.5	5694.1	5677.3	5637.0	5566.4	5549.6	5522.7	5492.4
20°	5885.7	5868.9	5862.2	5872.2	5889.0	5902.5	5821.8	5794.9	5737.8	5694.1	5643.7
22.5°	6060.5	6053.8	6080.6	6036.9	6073.9	6114.3	6036.9	6023.5	5882.3	5858.8	5805.0
25°	6302.5	6292.4	6275.6	6339.5	6383.2	6379.8	6305.9	6231.9	6124.3	6097.5	6097.5
27.5°	6558.0	6500.8	6588.2	6605.0	6682.3	6705.9	6642.0	6534.4	6433.6	6376.4	6389.9
30°	6877.3	6823.5	6843.7	6964.7	7065.5	7152.9	6991.6	6833.6	6692.4	6591.6	6574.8
32.5°	7196.6	7142.8	7203.3	7321.0	7522.7	7653.7	7495.8	7220.1	7055.4	6907.5	6937.8
35°	7455.4	7495.8	7593.2	7771.4	7979.8	8191.6	7939.5	7727.7	7492.4	7327.7	7351.2
37.5°	7872.2	7996.6	8073.9	8279.0	8574.8	8793.2	8531.1	8255.4	8003.3	7788.2	7714.3
40°	8416.8	8500.8	8588.2	8830.2	9179.8	9398.3	9149.5	8789.9	8541.1	8319.3	8309.2
42.5°	9015.1	9095.8	9186.5	9482.3	9690.7	9855.4	9626.8	9435.3	9159.6	8984.8	8974.8
45°	9710.9	9653.7	9754.6	9949.5	10124.3	10231.9	10084.0	9989.9	9791.6	9630.2	9613.4
47.5°	10174.7	10124.3	10305.8	10480.6	10507.5	10389.9	10420.1	10507.5	10299.1	10033.6	10117.6
50°	10443.7	10443.7	10564.7	10726.0	10675.6	10524.3	10763.0	10769.7	10561.3	10326.0	10326.0
52.5°	9976.4	10080.6	10423.5	10951.2	11119.3	11163.0	11109.2	10880.6	10336.1	9855.4	9831.9
55°	8692.4	8668.9	9132.7	10342.8	11321.0	11838.6	11152.9	10100.8	8994.9	8453.7	8400.0
57.5°	5653.8	5680.6	6373.1	7606.7	9371.4	10336.1	9179.8	7700.8	6373.1	5626.9	5697.5
60°	2544.5	2635.3	3055.4	3976.5	5492.4	6279.0	5505.9	4178.1	3206.7	2783.2	2820.2
62.5°	1462.2	1479.0	1495.8	1774.8	2339.5	2766.4	2430.2	1875.6	1653.8	1579.8	1579.8
65°	1233.6	1223.5	1226.9	1250.4	1310.9	1398.3	1361.3	1310.9	1317.6	1310.9	1300.8
67.5°	1048.7	1062.2	1052.1	1068.9	1072.3	1085.7	1109.2	1129.4	1132.8	1139.5	1132.8
70°	860.5	863.9	870.6	884.0	887.4	897.5	931.1	947.9	958.0	958.0	971.4
72.5°	658.8	655.5	662.2	675.6	692.4	695.8	726.0	749.6	763.0	746.2	749.6
75°	433.6	437.0	447.1	457.1	480.7	504.2	514.3	537.8	541.2	547.9	531.1
77.5°	258.8	265.5	275.6	295.8	316.0	336.1	359.7	376.5	383.2	376.5	356.3
80°	168.1	168.1	181.5	198.3	221.8	238.7	252.1	265.5	275.6	265.5	258.8
82.5°	104.2	104.2	121.0	141.2	158.0	168.1	188.2	205.0	215.1	208.4	198.3
85°	53.8	57.1	70.6	87.4	100.8	107.6	104.2	94.1	84.0	80.7	73.9
87.5°	16.8	16.8	20.2	20.2	16.8	16.8	20.2	16.8	20.2	20.2	20.2
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)