

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: P534021

Luminaire Tested: **GALN-SA9C-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534021
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA9C-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39874 lumens
Efficiency: N/A
Efficacy: 82.9 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

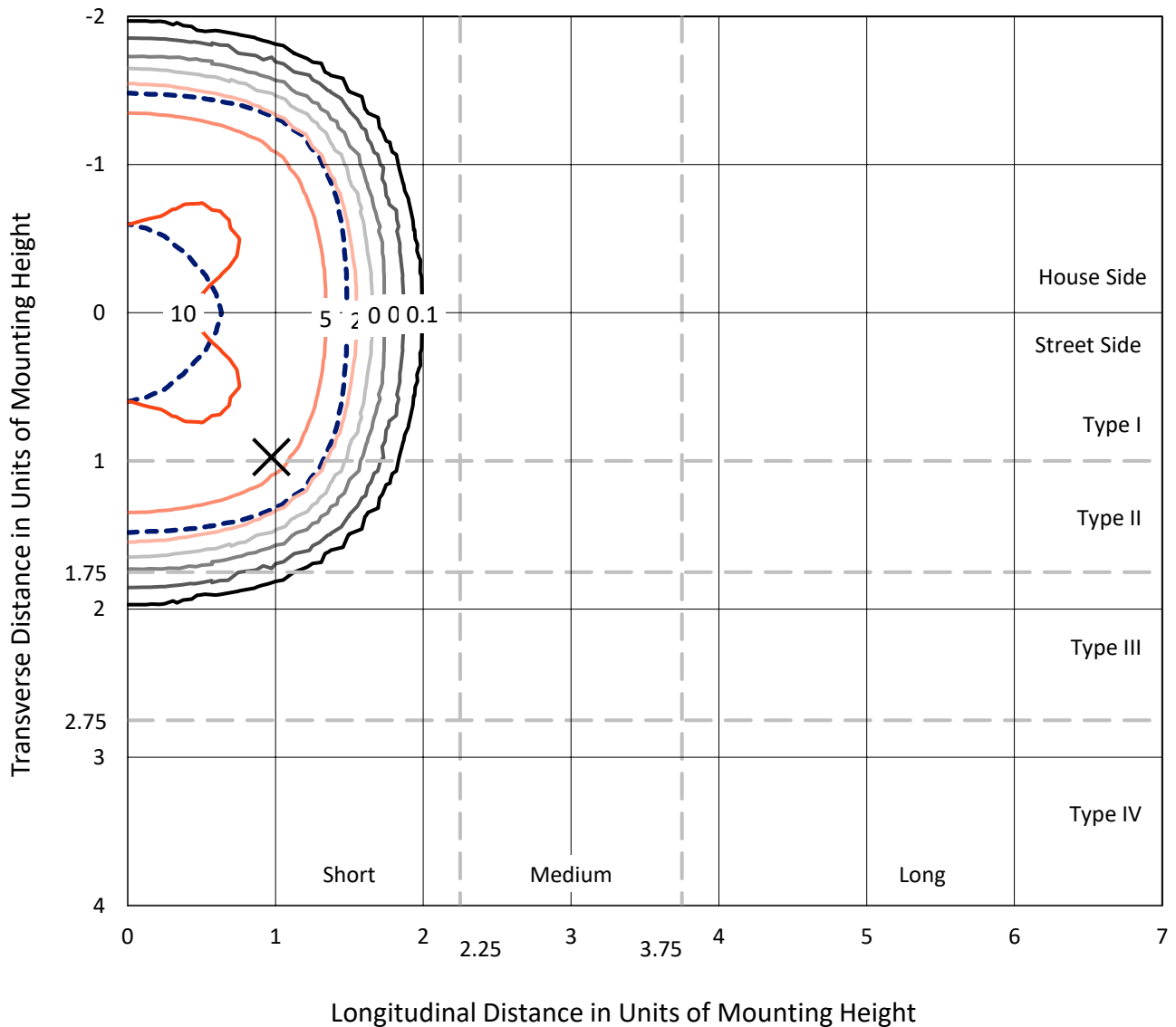
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534021
 CATALOG NUMBER: GALN-SA9C-730-U-5NQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

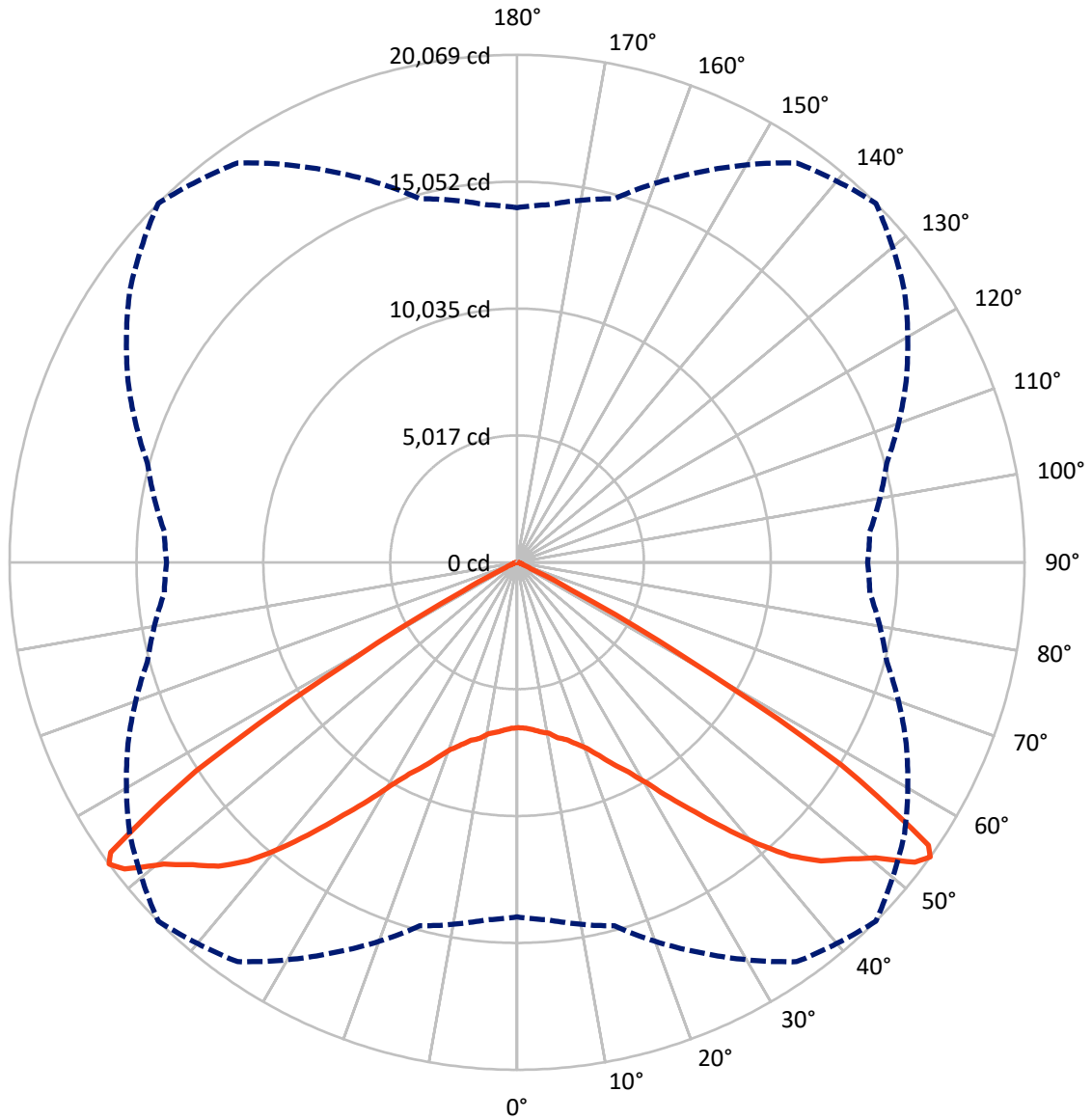
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

REPORT NUMBER: P534021
CATALOG NUMBER: GALN-SA9C-730-U-5NQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P534021
 CATALOG NUMBER: GALN-SA9C-730-U-5NQ-GRSBK

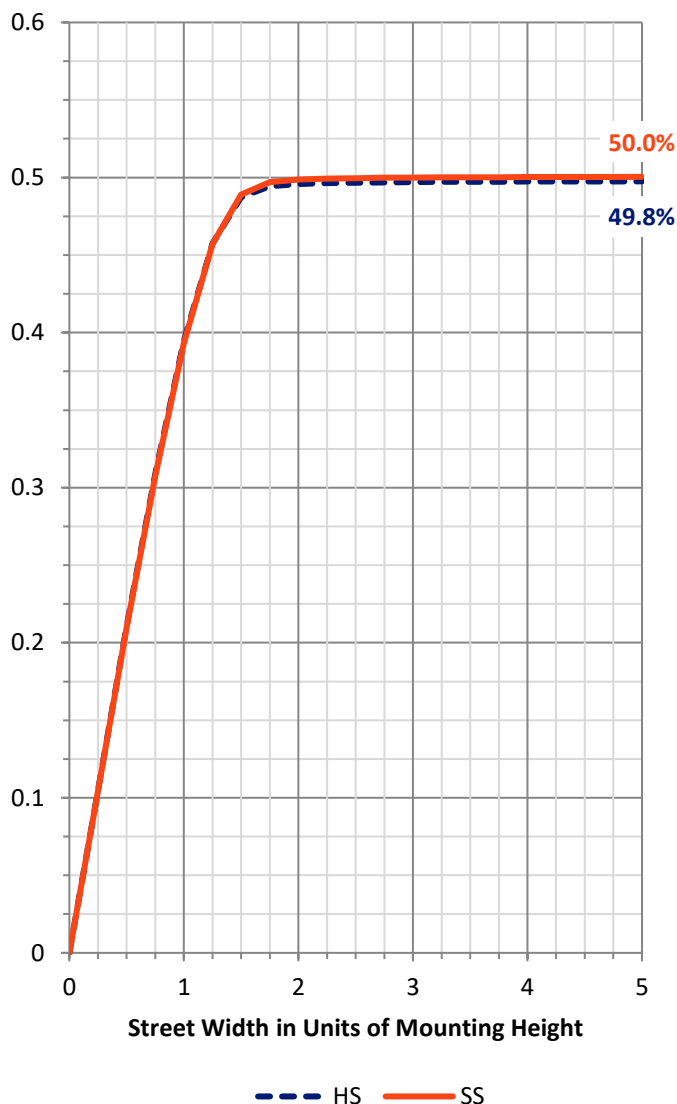
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19937.0	0.0	19937.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19937.0	0.0	19937.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	39874.0	0.0	39874.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.9	1.6
10°-20°	2072.3	5.2
20°-30°	4061.6	10.2
30°-40°	7303.6	18.3
40°-50°	12502.4	31.4
50°-60°	12097.3	30.3
60°-70°	1035.6	2.6
70°-80°	122.7	0.3
80°-90°	38.5	0.1
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°	39874.0	100.0
0°-180°	39874.0	100.0

Coefficient of Utilization



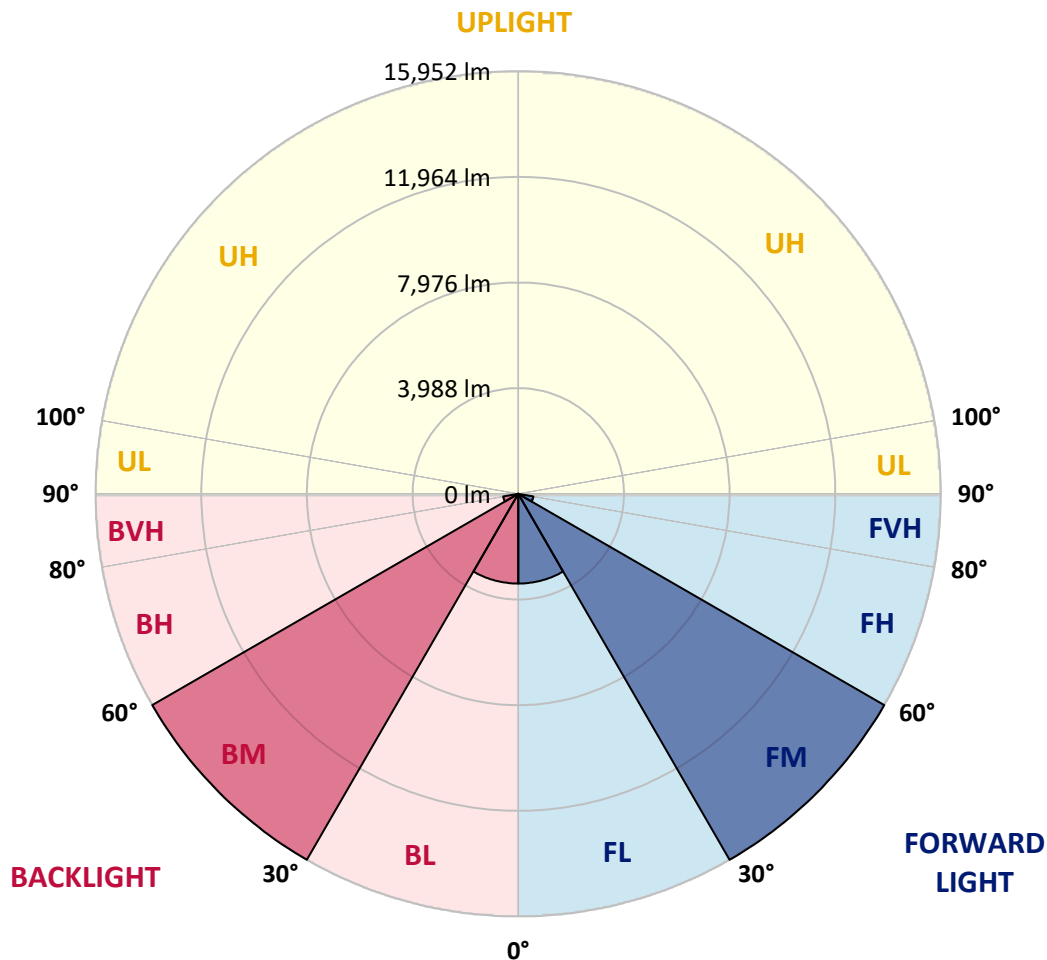
REPORT NUMBER: P534021
 CATALOG NUMBER: GALN-SA9C-730-U-5NQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3386.9	8.5			
FM	(30°-60°)	15951.7	40.0			
FH	(60°-80°)	579.2	1.5			G0/660
FVH	(80°-90°)	19.3	0.0			G1/100
BL	(0°-30°)	3386.9	8.5	B4/5000		
BM	(30°-60°)	15951.7	40.0	B5		
BH	(60°-80°)	579.2	1.5	B2/1000		G0/660
BVH	(80°-90°)	19.3	0.0			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: P534021

CATALOG NUMBER: GALN-SA9C-730-U-5NQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1	6538.1
2.5°	6569.7	6607.6	6582.3	6601.3	6601.3	6569.7	6588.6	6512.8	6563.4	6525.5	6531.8
5°	6670.8	6664.4	6664.4	6670.8	6645.5	6658.1	6632.8	6607.6	6588.6	6563.4	6639.2
7.5°	6797.1	6797.1	6752.9	6765.5	6752.9	6771.8	6721.3	6670.8	6651.8	6632.8	6620.2
10°	6917.1	6904.5	6885.5	6942.4	6898.2	6872.9	6847.6	6816.0	6746.6	6721.3	6696.0
12.5°	7094.0	7087.7	7062.4	7119.3	7094.0	7119.3	7024.5	6942.4	6929.7	6847.6	6891.8
15°	7302.5	7359.3	7315.1	7315.1	7302.5	7270.9	7233.0	7195.1	7081.4	7049.8	7056.1
17.5°	7574.1	7555.1	7561.4	7561.4	7624.6	7542.5	7466.7	7371.9	7315.1	7296.1	7233.0
20°	7833.1	7858.3	7852.0	7896.2	7934.2	7845.7	7763.6	7751.0	7593.0	7618.3	7529.9
22.5°	8287.9	8269.0	8300.5	8332.1	8306.9	8294.2	8218.4	8123.7	7984.7	7921.5	7908.9
25°	8768.0	8736.4	8679.6	8755.4	8793.3	8850.1	8704.8	8654.3	8439.5	8344.8	8351.1
27.5°	9178.6	9222.8	9286.0	9317.6	9412.3	9393.4	9292.3	9128.1	8963.8	8856.4	8786.9
30°	9740.8	9766.1	9873.5	9917.7	10081.9	10126.1	9968.2	9778.7	9488.1	9349.2	9267.0
32.5°	10258.8	10435.7	10429.4	10650.5	10915.8	11099.0	10814.7	10524.1	10233.5	10069.3	9924.0
35°	11099.0	11067.4	11250.6	11484.3	11913.9	12122.3	11812.8	11478.0	11035.8	10770.5	10656.8
37.5°	11882.3	11894.9	12141.3	12514.0	13006.7	13328.9	13057.2	12507.7	12052.8	11711.7	11553.8
40°	13019.3	13044.6	13297.3	13720.5	14276.4	14623.9	14308.0	13752.1	13145.7	12880.4	12880.4
42.5°	14352.2	14459.6	14623.9	14990.2	15489.3	15874.6	15590.4	15154.5	14541.7	14200.6	14251.1
45°	15723.0	15773.5	15880.9	16424.2	16657.9	16847.4	16582.1	16380.0	15969.4	15552.5	15483.0
47.5°	17005.4	17024.3	17340.2	17510.7	17693.9	17536.0	17706.5	17441.2	16980.1	16575.8	16493.7
50°	17573.9	17542.3	17990.8	18508.8	18647.8	18369.8	18224.5	18047.7	17346.5	16860.1	16645.3
52.5°	15918.8	16102.0	16935.9	18376.1	19462.7	19696.4	18849.9	18035.0	16727.4	15779.9	15634.6
54°	14023.7	14194.3	14882.8	17018.0	19279.5	20069.1	18704.6	16973.8	15129.2	14004.8	13859.5
55°	12147.6	11958.1	13208.8	15388.2	18420.4	19740.6	18129.8	15603.0	13493.1	12463.4	12261.3
57.5°	6576.0	6607.6	7662.5	9721.9	12943.5	15135.5	13366.8	10555.7	7972.1	6816.0	6715.0
60°	2084.6	2135.1	2596.3	3929.2	6184.3	7384.6	6329.6	4238.7	2931.1	2349.9	2255.2
62.5°	650.7	675.9	739.1	1099.2	1693.0	2419.4	1895.1	1137.1	846.5	777.0	789.6
65°	398.0	398.0	404.3	429.6	505.4	587.5	568.5	499.0	480.1	467.5	461.1
67.5°	259.0	252.7	265.3	284.3	296.9	303.2	322.2	341.1	334.8	322.2	322.2
70°	157.9	151.6	164.2	189.5	195.8	208.5	227.4	252.7	246.4	233.7	240.0
72.5°	88.4	88.4	94.8	113.7	132.7	145.3	164.2	183.2	189.5	183.2	183.2
75°	31.6	37.9	50.5	69.5	82.1	101.1	120.0	139.0	157.9	145.3	139.0
77.5°	12.6	12.6	25.3	44.2	63.2	82.1	113.7	132.7	145.3	132.7	120.0
80°	6.3	6.3	19.0	37.9	56.9	75.8	94.8	113.7	120.0	107.4	94.8
82.5°	6.3	6.3	19.0	37.9	56.9	69.5	101.1	113.7	126.3	113.7	94.8
85°	0.0	6.3	19.0	37.9	50.5	56.9	56.9	37.9	31.6	19.0	19.0
87.5°	0.0	0.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)