

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: P455295

Luminaire Tested: **GALN-SA6C-727-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-727-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36386 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

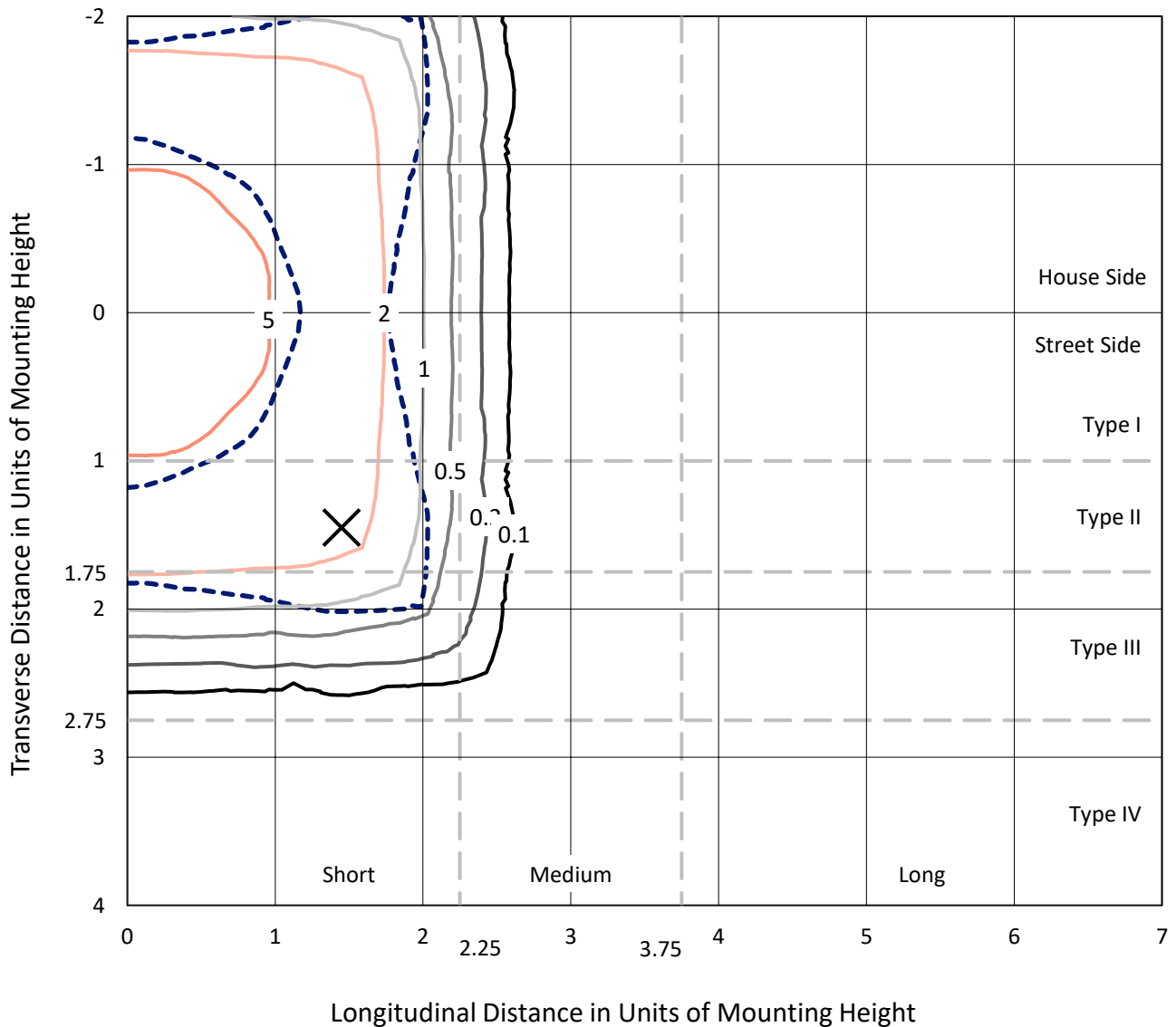
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

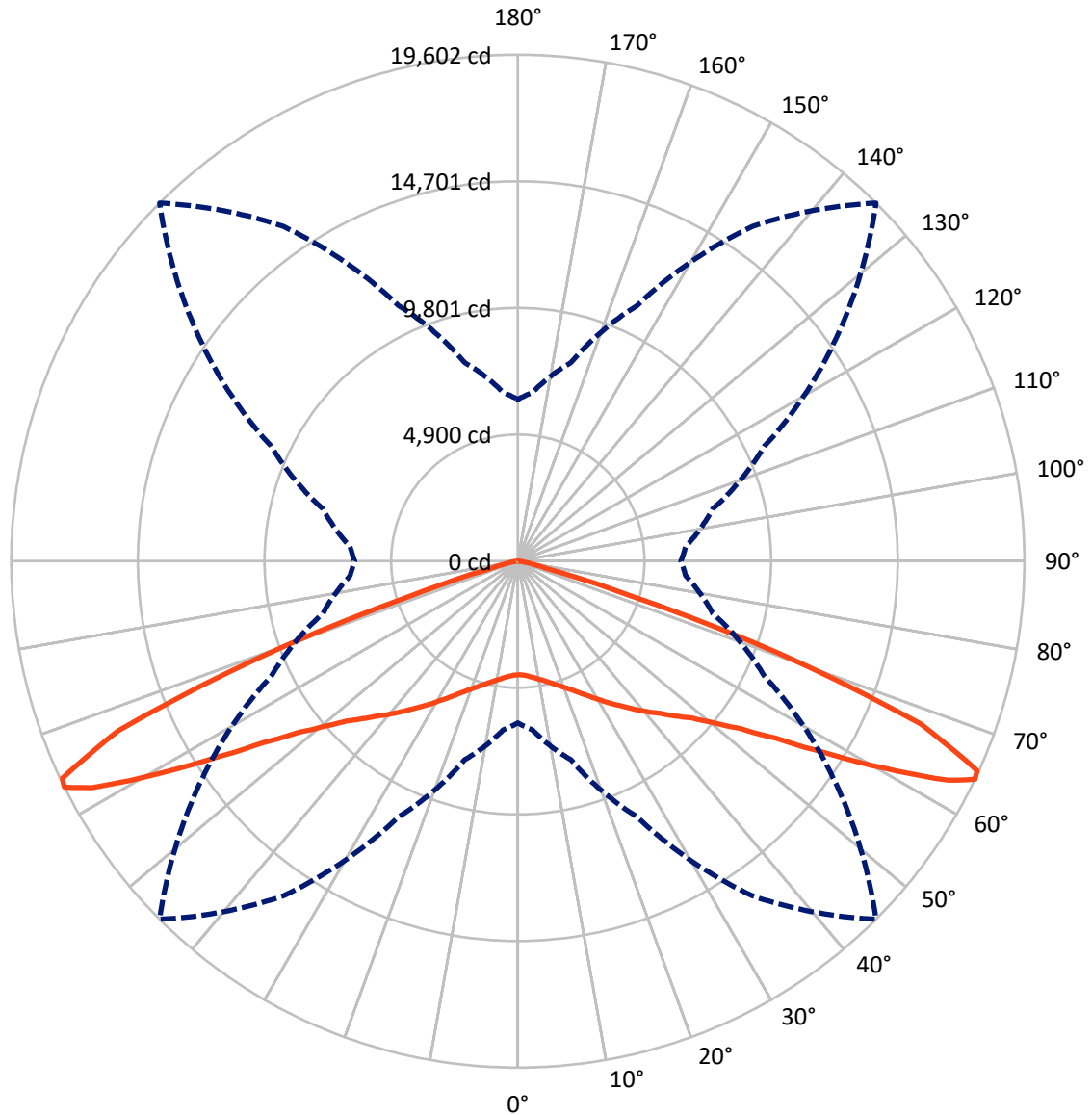
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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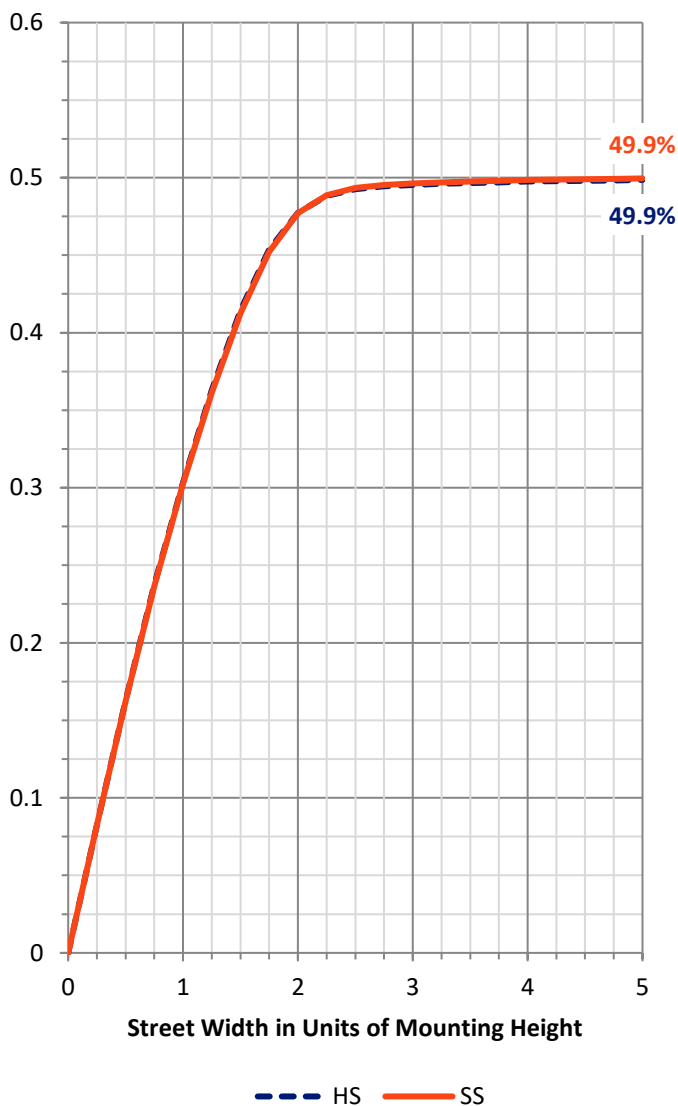
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18193.0	0.0	18193.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18193.0	0.0	18193.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36386.0	0.0	36386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.1	1.2
10°-20°	1393.7	3.8
20°-30°	2633.6	7.2
30°-40°	4361.6	12.0
40°-50°	6809.2	18.7
50°-60°	10526.8	28.9
60°-70°	9077.1	24.9
70°-80°	1028.7	2.8
80°-90°	123.2	0.3
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°	36386.0	100.0
0°-180°	36386.0	100.0

Coefficient of Utilization



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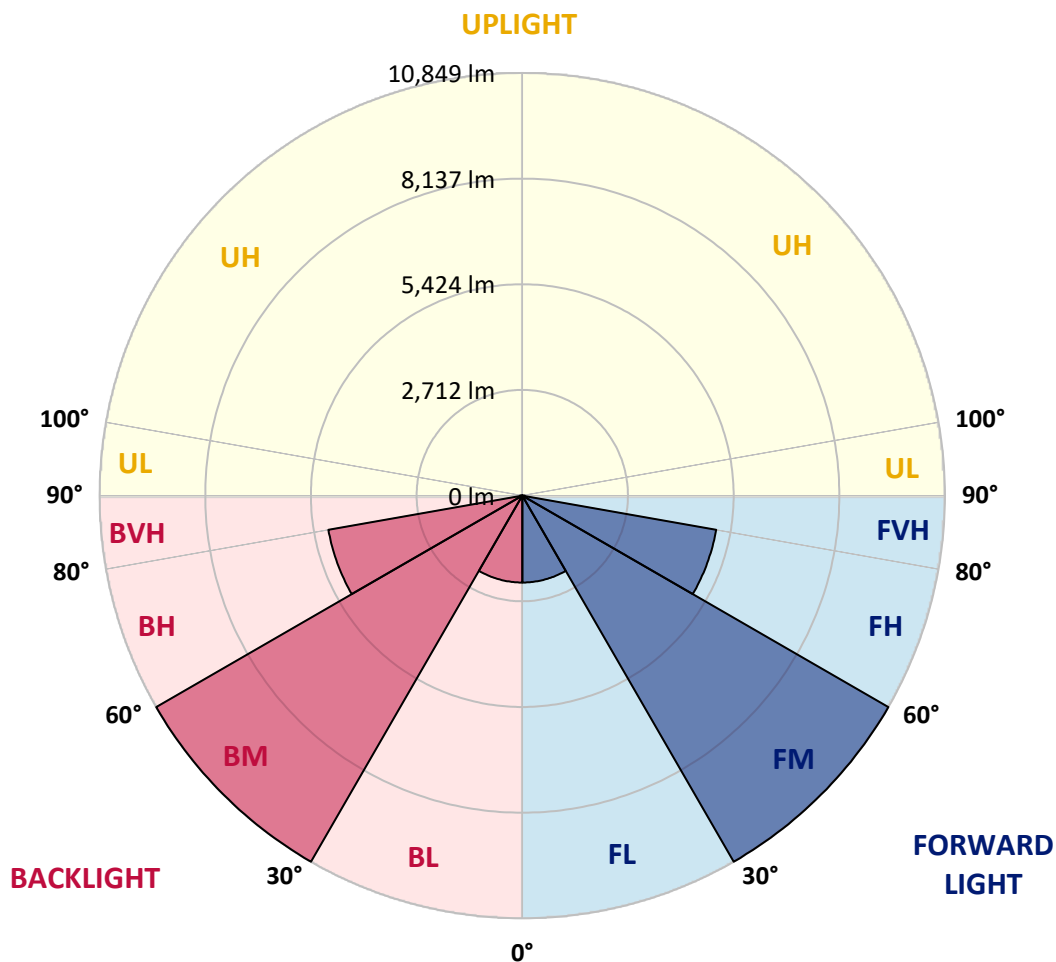
CATALOG NUMBER: GALN-SA6C-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2229.7	6.1			
FM	(30°-60°)	10848.8	29.8			
FH	(60°-80°)	5052.9	13.9			G3/7500
FVH	(80°-90°)	61.6	0.2			G1/100
BL	(0°-30°)	2229.7	6.1	B3/2500		
BM	(30°-60°)	10848.8	29.8	B5		
BH	(60°-80°)	5052.9	13.9	B5		G3/7500
BVH	(80°-90°)	61.6	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-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9	4397.9
2.5°	4415.2	4424.8	4417.1	4415.2	4413.3	4413.3	4413.3	4415.2	4422.9	4428.7	4424.8
5°	4471.1	4478.8	4474.9	4473.0	4471.1	4473.0	4469.2	4467.2	4473.0	4473.0	4471.1
7.5°	4540.5	4550.1	4546.3	4550.1	4552.0	4554.0	4544.3	4536.6	4534.7	4540.5	4536.6
10°	4634.9	4642.6	4644.5	4646.5	4650.3	4648.4	4636.8	4623.3	4621.4	4619.5	4617.6
12.5°	4740.9	4746.7	4748.6	4756.3	4762.1	4764.0	4750.5	4739.0	4719.7	4723.6	4715.8
15°	4860.4	4872.0	4870.0	4881.6	4897.0	4900.9	4887.4	4868.1	4850.8	4841.1	4835.3
17.5°	5006.9	5014.6	5010.7	5022.3	5041.5	5051.2	5039.6	5014.6	4997.2	4976.0	4964.5
20°	5180.3	5193.8	5197.6	5197.6	5215.0	5224.6	5207.3	5199.6	5172.6	5157.2	5147.5
22.5°	5376.9	5382.7	5394.2	5405.8	5423.1	5419.3	5413.5	5401.9	5376.9	5363.4	5348.0
25°	5598.5	5604.3	5633.2	5658.2	5664.0	5660.2	5652.5	5646.7	5623.6	5592.7	5581.2
27.5°	5856.7	5868.3	5906.9	5930.0	5930.0	5931.9	5916.5	5935.8	5885.7	5849.0	5845.2
30°	6180.5	6188.2	6221.0	6244.1	6232.5	6222.9	6219.1	6238.3	6184.4	6118.8	6103.4
32.5°	6500.4	6527.4	6556.3	6606.4	6566.0	6548.6	6544.8	6558.2	6496.6	6423.3	6402.1
35°	6843.5	6862.7	6916.7	6959.1	6922.5	6882.0	6899.4	6941.8	6868.5	6770.2	6766.4
37.5°	7223.1	7240.5	7309.9	7354.2	7327.2	7257.8	7286.7	7336.8	7263.6	7142.2	7117.1
40°	7618.2	7654.8	7741.5	7787.8	7743.5	7651.0	7704.9	7758.9	7693.4	7552.7	7496.8
42.5°	8061.5	8119.3	8244.5	8267.7	8182.9	8057.6	8152.0	8238.8	8192.5	8030.6	8009.4
45°	8579.9	8614.6	8768.7	8818.8	8701.3	8545.2	8662.7	8820.8	8786.1	8599.1	8558.7
47.5°	9160.0	9192.7	9352.7	9427.8	9279.4	9069.4	9281.4	9487.6	9466.4	9266.0	9246.7
50°	9846.0	9853.8	10075.4	10160.2	10011.8	9830.6	10019.5	10275.8	10191.0	9934.7	9930.8
52.5°	10597.6	10607.3	10886.7	11050.5	10967.7	10763.4	10986.9	11143.0	10927.2	10591.9	10566.8
55°	11249.0	11297.2	11678.8	12114.4	12228.1	12079.7	12147.1	12073.9	11542.0	11071.7	10998.5
57.5°	11515.0	11609.4	12189.5	13002.8	13742.8	13962.5	13442.2	12744.5	11786.7	11121.8	11050.5
60°	10865.5	10967.7	11867.7	13411.4	15300.0	16254.0	14791.2	12858.2	11229.8	10295.1	10183.3
62.5°	8701.3	8730.2	10054.2	12449.7	16207.7	18678.4	15359.7	11888.9	9609.0	8339.0	8294.6
64°	6261.5	6558.2	7961.2	10915.6	15810.7	19601.5	15032.1	10530.2	7805.1	6519.7	6311.6
65°	4683.1	4764.0	6417.6	9321.8	15111.1	19532.1	14396.1	9231.3	6463.8	4989.5	4758.2
67.5°	1769.2	1778.8	2368.5	4646.5	10757.6	16805.1	10986.9	5022.3	2723.1	1969.6	1898.3
70°	734.3	747.8	869.2	1563.0	4623.3	10790.4	5297.9	1811.6	996.4	807.5	795.9
72.5°	537.7	545.4	582.0	693.8	1422.3	4430.6	1742.2	769.0	583.9	522.3	516.5
75°	422.1	425.9	452.9	510.7	663.0	1227.6	724.6	528.1	445.2	400.9	397.0
77.5°	321.8	331.5	350.7	389.3	445.2	582.0	479.9	395.1	343.0	306.4	300.6
80°	221.6	233.2	269.8	285.2	298.7	377.7	327.6	298.7	267.9	223.6	210.1
82.5°	136.8	144.5	181.2	194.6	188.9	212.0	210.1	213.9	190.8	138.8	129.1
85°	71.3	75.2	98.3	102.1	94.4	86.7	107.9	125.3	117.6	79.0	77.1
87.5°	15.4	17.3	21.2	19.3	21.2	21.2	27.0	40.5	42.4	27.0	25.1
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)