

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: P455803

Luminaire Tested: **GALN-SA7A-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7A-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28957 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

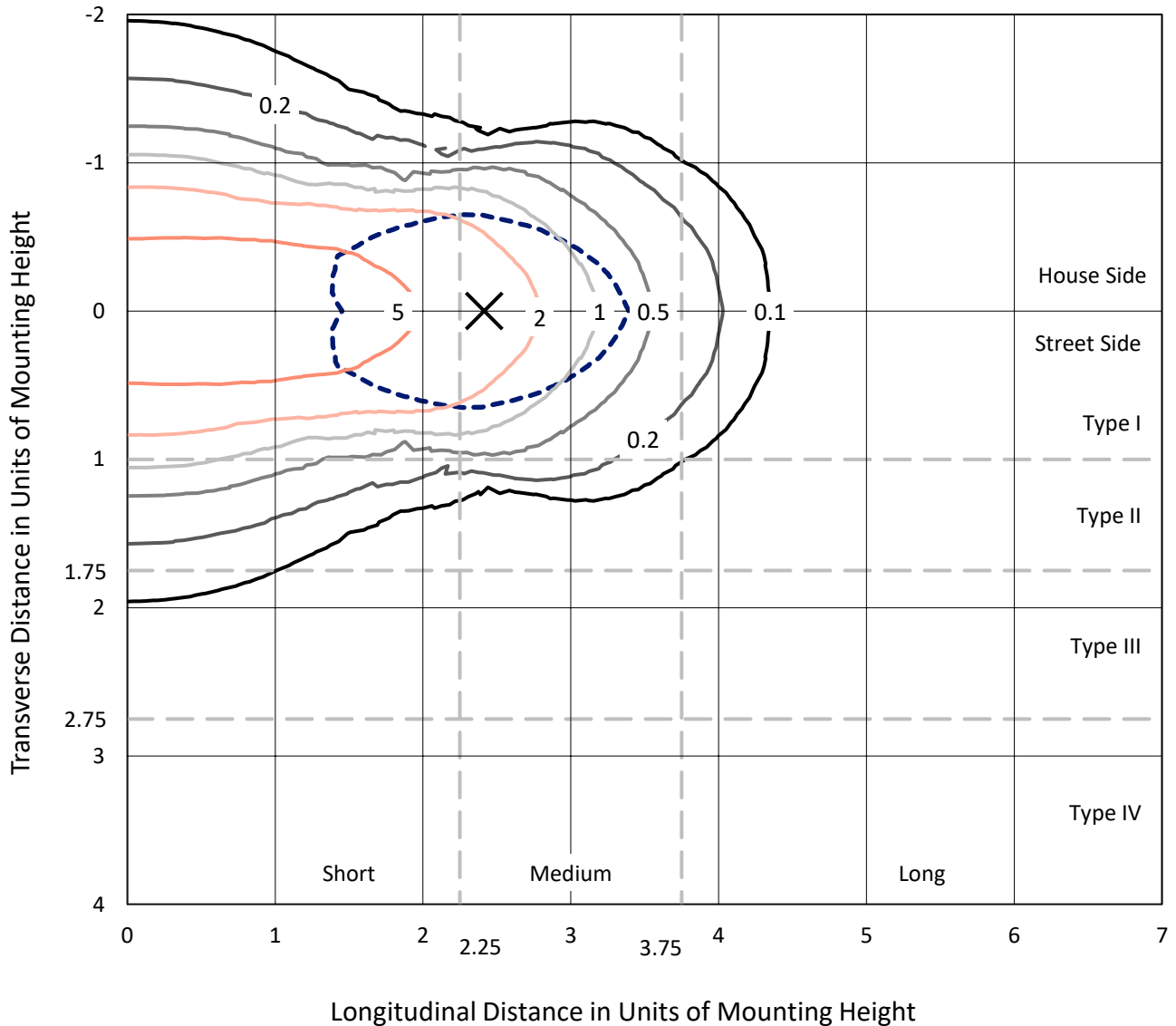
Input Watts (W): 215
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P455803
 CATALOG NUMBER: GALN-SA7A-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

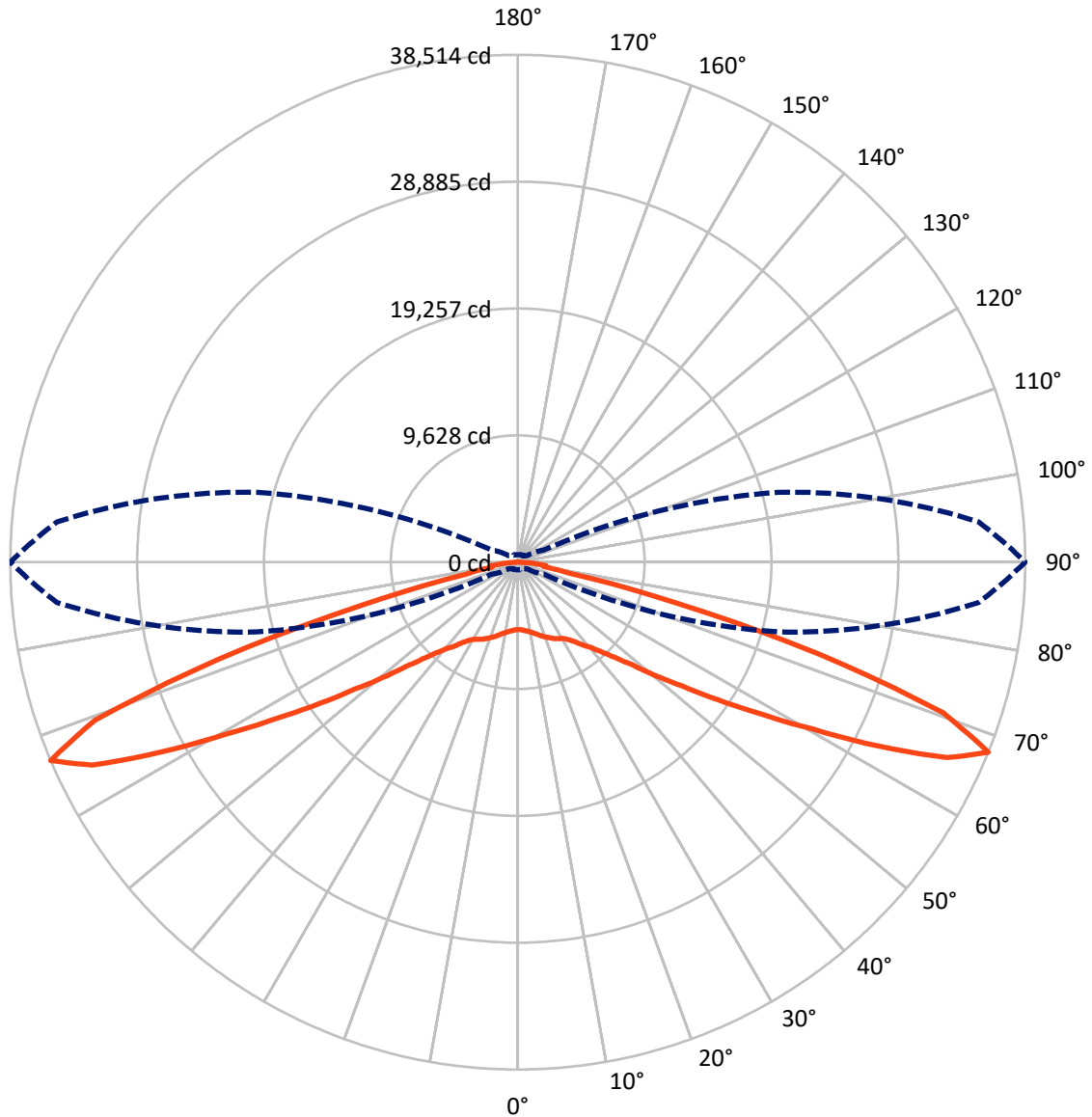
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type I - Short - N/A

REPORT NUMBER: P455803
CATALOG NUMBER: GALN-SA7A-730-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P455803

CATALOG NUMBER: GALN-SA7A-730-U-T1

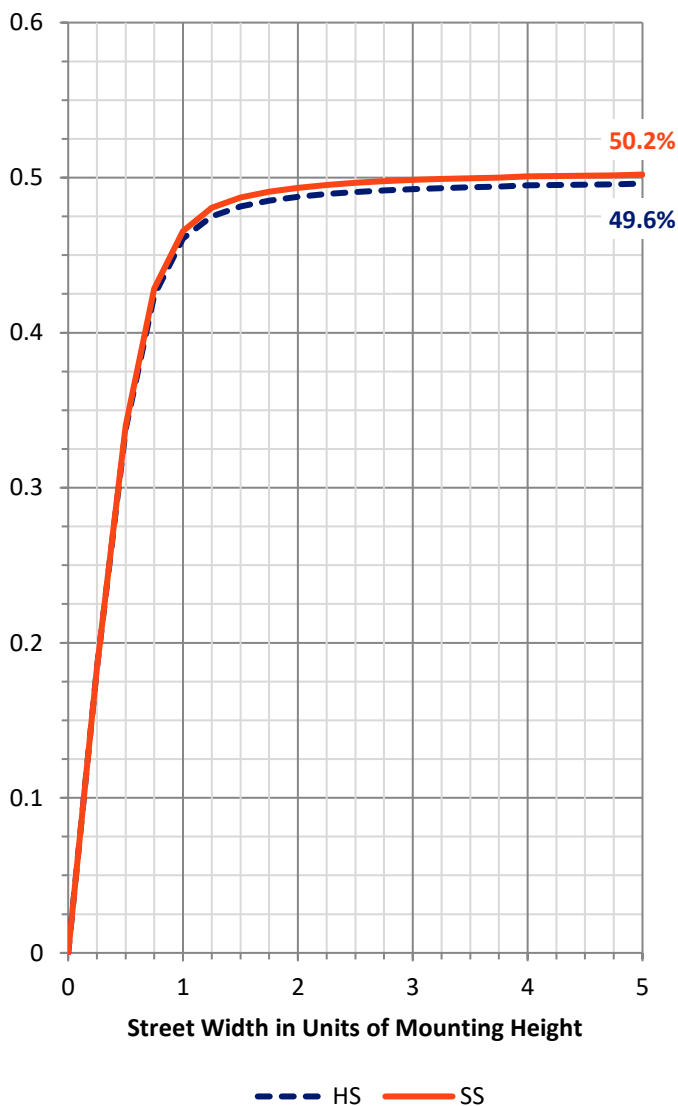
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14478.5	0.0	14478.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14478.5	0.0	14478.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28957.0	0.0	28957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.1	1.8
10°-20°	1635.2	5.6
20°-30°	2736.9	9.5
30°-40°	3707.8	12.8
40°-50°	4696.6	16.2
50°-60°	5867.2	20.3
60°-70°	6896.6	23.8
70°-80°	2638.3	9.1
80°-90°	267.3	0.9
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°	28957.0	100.0
0°-180°	28957.0	100.0

Coefficient of Utilization



REPORT NUMBER: P455803

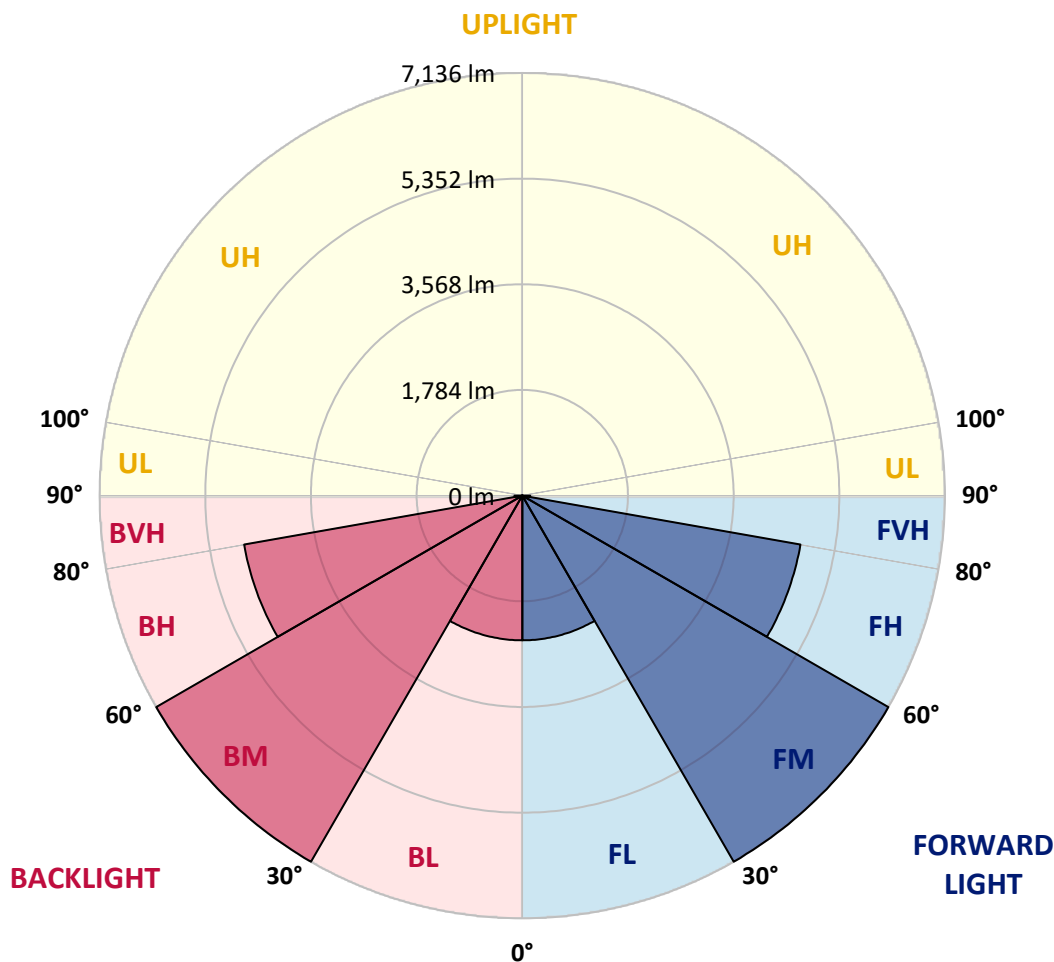
CATALOG NUMBER: GALN-SA7A-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2441.6	8.4			
FM (30°-60°)	7135.8	24.6			
FH (60°-80°)	4767.5	16.5			G2/5000
FVH (80°-90°)	133.6	0.5			G2/225
BL (0°-30°)	2441.6	8.4	B3/2500		
BM (30°-60°)	7135.8	24.6	B4/8500		
BH (60°-80°)	4767.5	16.5	B4/5000		G4/5000
BVH (80°-90°)	133.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type I Short





REPORT NUMBER: P455803

CATALOG NUMBER: GALN-SA7A-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3	5126.3
2.5°	5192.0	5188.8	5190.4	5188.8	5193.6	5190.4	5171.2	5155.2	5142.3	5143.9	5139.1
5°	5302.7	5304.3	5305.9	5297.9	5309.1	5302.7	5272.2	5246.6	5220.9	5211.3	5208.1
7.5°	5394.1	5402.1	5406.9	5414.9	5434.2	5434.2	5418.1	5381.2	5325.1	5293.1	5291.4
10°	5485.5	5491.9	5506.3	5532.0	5564.0	5594.5	5588.1	5538.4	5466.2	5411.7	5398.9
12.5°	5517.5	5525.6	5573.7	5647.4	5719.6	5778.9	5778.9	5738.8	5645.8	5562.4	5538.4
15°	5405.3	5419.7	5506.3	5663.5	5852.7	5982.5	6011.4	5955.3	5855.9	5727.6	5698.7
17.5°	5182.4	5217.7	5344.4	5576.9	5891.1	6160.5	6243.9	6216.6	6088.4	5924.8	5891.1
20°	4943.5	4982.0	5116.7	5424.5	5859.1	6264.8	6506.9	6513.3	6354.5	6117.2	6067.5
22.5°	4680.5	4709.4	4882.6	5243.3	5762.9	6288.8	6733.0	6843.6	6628.7	6309.7	6239.1
25°	4385.5	4417.6	4598.7	4988.4	5581.7	6261.5	6939.8	7183.5	6915.8	6514.9	6425.1
27.5°	4103.3	4116.1	4310.1	4706.2	5342.8	6191.0	7092.1	7496.2	7233.2	6684.9	6571.0
30°	3832.3	3862.8	4034.3	4425.6	5068.6	6053.1	7223.6	7852.2	7574.8	6862.8	6716.9
32.5°	3545.3	3582.1	3768.2	4164.2	4794.4	5846.2	7303.8	8241.8	8051.0	7151.5	6995.9
35°	3269.5	3293.5	3481.1	3866.0	4526.6	5605.7	7318.2	8681.2	8665.1	7589.2	7382.4
37.5°	2987.3	3022.5	3211.7	3580.5	4242.8	5350.8	7246.1	9147.8	9405.9	8196.9	7974.1
40°	2716.3	2746.7	2932.7	3304.7	3920.5	5039.7	7074.5	9574.3	10270.2	8822.3	8506.4
42.5°	2421.2	2429.3	2632.9	3011.3	3604.6	4678.9	6827.6	9954.3	11233.9	9660.9	9268.1
45°	2086.1	2107.0	2296.2	2668.2	3242.2	4274.8	6492.4	10268.6	12455.7	10823.4	10287.9
47.5°	1751.0	1768.6	1941.8	2309.0	2846.2	3811.4	5976.1	10544.4	13709.7	12300.2	11597.9
50°	1423.9	1433.5	1574.6	1900.1	2400.4	3324.0	5336.3	10632.6	15127.1	14391.1	13494.8
52.5°	1125.6	1140.1	1247.5	1502.5	1924.2	2748.3	4645.2	10414.5	16781.9	16870.1	15606.6
55°	912.4	917.2	997.4	1185.0	1504.1	2145.4	3811.4	9806.8	18561.8	20046.6	18435.1
57.5°	785.7	788.9	833.8	938.0	1157.7	1617.9	2956.8	8657.1	20160.4	23768.2	21696.5
60°	713.5	715.1	740.8	801.7	917.2	1241.1	2118.2	7034.4	21738.2	27910.0	25750.1
62.5°	668.6	668.6	686.3	720.0	776.1	952.5	1534.5	5075.0	22819.0	32112.7	30746.5
65°	625.4	625.4	638.2	662.2	692.7	779.3	1133.7	3309.6	22791.7	35173.7	35771.8
67.5°	575.6	575.6	585.3	609.3	627.0	670.3	875.5	2167.9	20473.1	35106.4	38513.7
70°	516.3	516.3	529.1	550.0	564.4	591.7	691.1	1483.2	15040.5	29975.3	34251.7
72.5°	457.0	458.6	466.6	487.5	498.7	514.7	574.0	1039.0	9226.4	20410.6	23949.4
75°	391.2	394.5	402.5	423.3	432.9	439.4	484.2	740.8	4667.7	11004.6	12529.5
77.5°	315.9	322.3	327.1	349.6	356.0	365.6	399.3	535.6	2049.2	3954.2	3989.4
80°	230.9	238.9	253.3	274.2	279.0	285.4	304.7	380.0	928.4	1805.5	1961.0
82.5°	170.0	181.2	163.6	190.8	190.8	182.8	214.9	255.0	426.5	1787.9	2139.0
85°	93.0	94.6	85.0	97.8	104.2	102.6	113.8	125.1	206.8	1193.0	1229.9
87.5°	22.4	24.1	25.7	30.5	36.9	36.9	40.1	35.3	67.3	386.4	221.3
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)