

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: P456673

Luminaire Tested: **GALN-SA8A-722-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456673
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-SA8A-722-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27099 lumens
Efficiency: N/A
Efficacy: 111.1 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

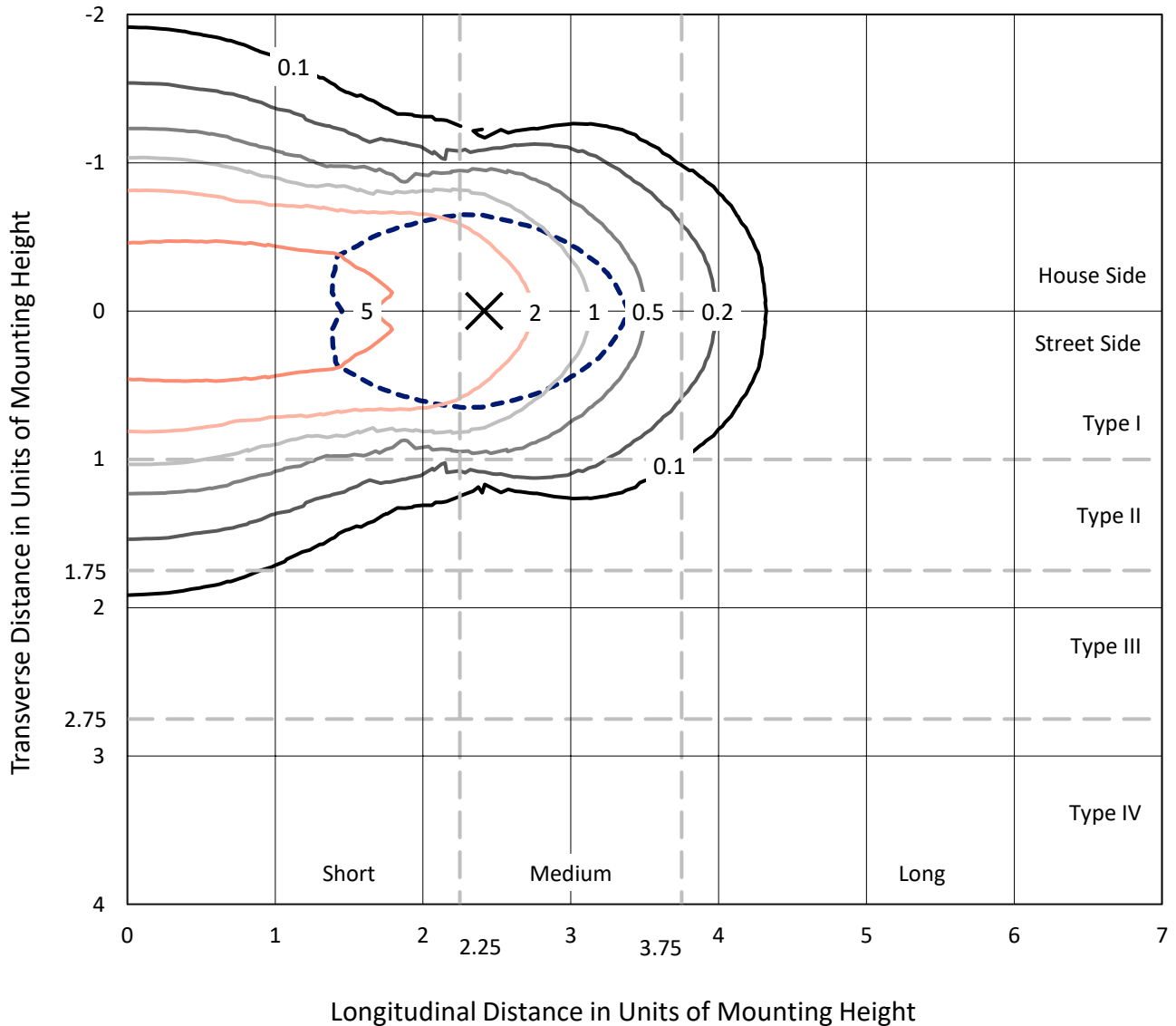
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P456673
 CATALOG NUMBER: GALN-SA8A-722-U-T1

Iso-Footcandle Lines of Horizontal Illumination

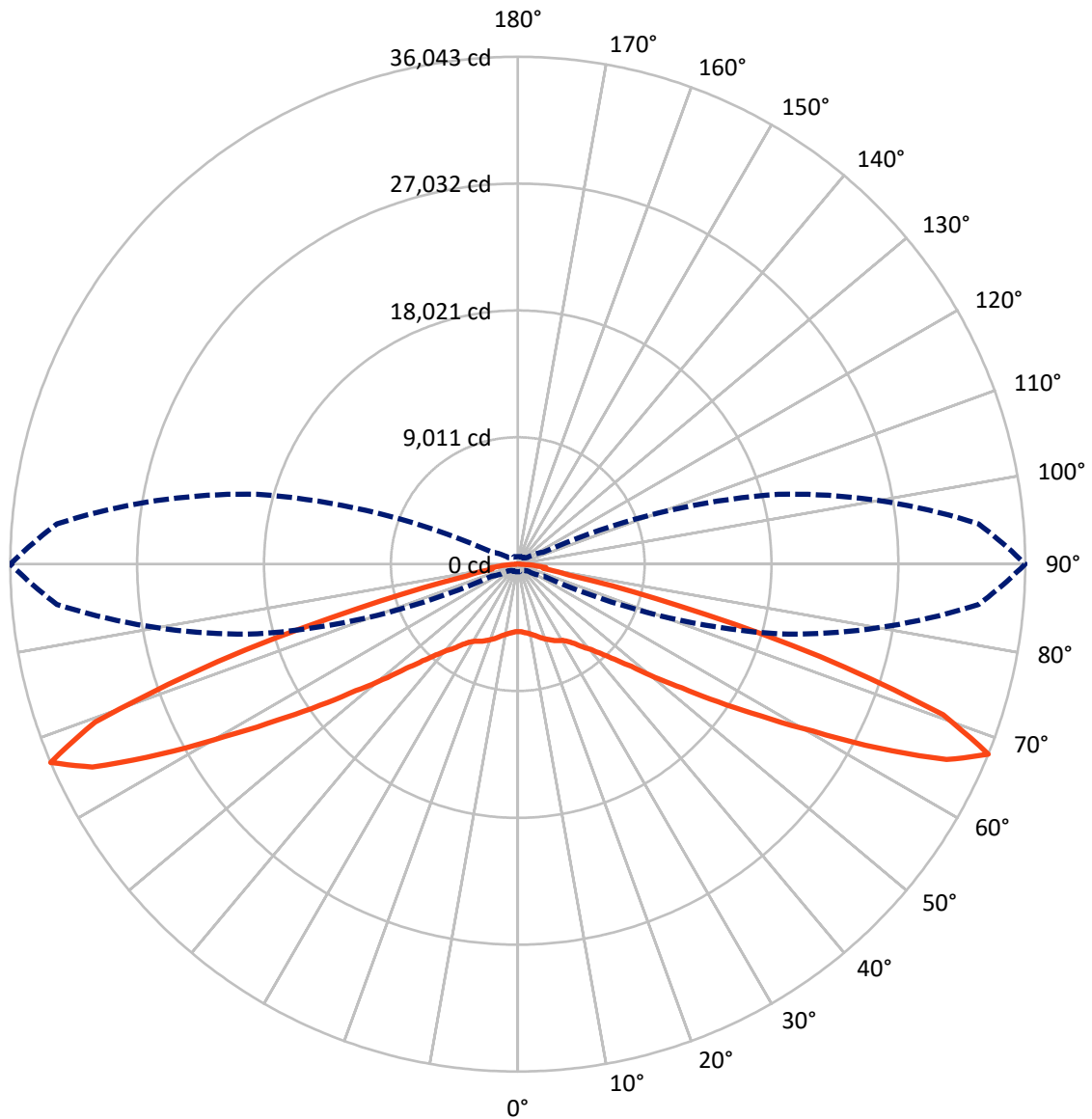
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type I - Short - N/A

REPORT NUMBER: P456673
CATALOG NUMBER: GALN-SA8A-722-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P456673

CATALOG NUMBER: GALN-SA8A-722-U-T1

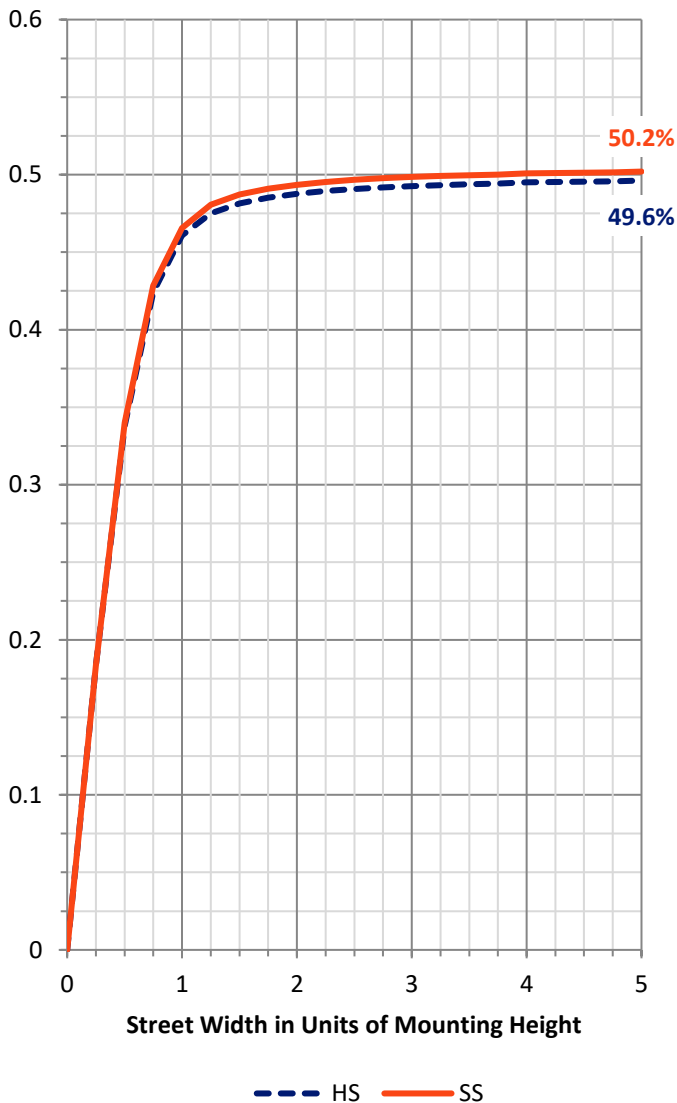
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13549.5	0.0	13549.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13549.5	0.0	13549.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27099.0	0.0	27099.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.3	1.8
10°-20°	1530.3	5.6
20°-30°	2561.3	9.5
30°-40°	3469.9	12.8
40°-50°	4395.2	16.2
50°-60°	5490.7	20.3
60°-70°	6454.1	23.8
70°-80°	2469.0	9.1
80°-90°	250.1	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°	27099.0	100.0
0°-180°	27099.0	100.0



REPORT NUMBER: P456673

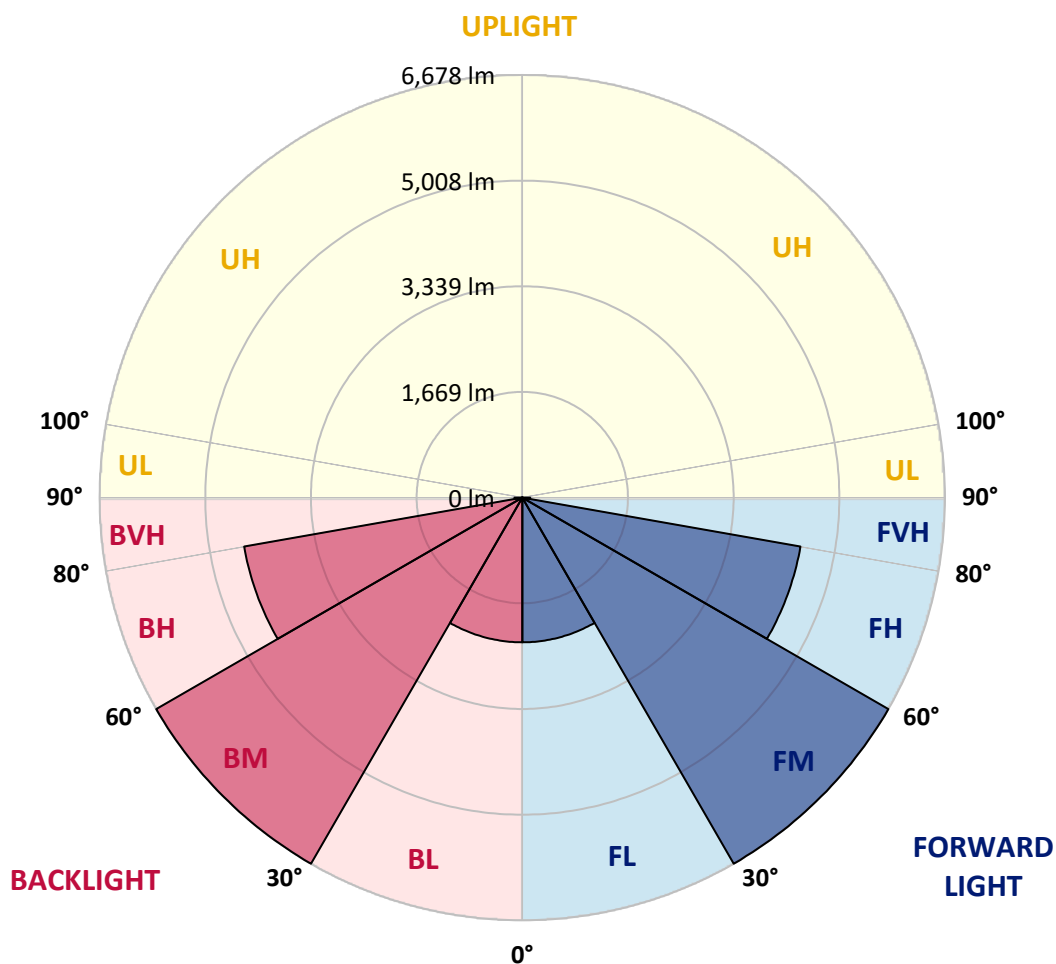
CATALOG NUMBER: GALN-SA8A-722-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2285.0	8.4			
FM	(30°-60°)	6677.9	24.6			
FH	(60°-80°)	4461.5	16.5			G2/5000
FVH	(80°-90°)	125.1	0.5			G2/225
BL	(0°-30°)	2285.0	8.4	B3/2500		
BM	(30°-60°)	6677.9	24.6	B4/8500		
BH	(60°-80°)	4461.5	16.5	B4/5000		G4/5000
BVH	(80°-90°)	125.1	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: P456673
 CATALOG NUMBER: GALN-SA8A-722-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4	4797.4
2.5°	4858.9	4855.9	4857.4	4855.9	4860.4	4857.4	4839.4	4824.4	4812.4	4813.9	4809.4
5°	4962.4	4963.9	4965.4	4957.9	4968.4	4962.4	4933.9	4909.9	4885.9	4876.9	4873.9
7.5°	5048.0	5055.5	5060.0	5067.5	5085.5	5085.5	5070.5	5036.0	4983.4	4953.4	4951.9
10°	5133.5	5139.5	5153.0	5177.0	5207.0	5235.5	5229.5	5183.0	5115.5	5064.5	5052.5
12.5°	5163.5	5171.0	5216.0	5285.1	5352.6	5408.1	5408.1	5370.6	5283.6	5205.5	5183.0
15°	5058.5	5072.0	5153.0	5300.1	5477.1	5598.7	5625.7	5573.2	5480.1	5360.1	5333.1
17.5°	4849.9	4882.9	5001.4	5219.0	5513.1	5765.2	5843.3	5817.8	5697.7	5544.7	5513.1
20°	4626.3	4662.3	4788.4	5076.5	5483.1	5862.8	6089.4	6095.4	5946.8	5724.7	5678.2
22.5°	4380.2	4407.2	4569.3	4906.9	5393.1	5885.3	6301.0	6404.5	6203.4	5904.8	5838.8
25°	4104.1	4134.1	4303.7	4668.3	5223.5	5859.8	6494.5	6722.6	6472.0	6096.9	6012.8
27.5°	3840.0	3852.0	4033.6	4404.2	4999.9	5793.8	6637.1	7015.2	6769.1	6255.9	6149.4
30°	3586.4	3614.9	3775.5	4141.6	4743.3	5664.7	6760.1	7348.4	7088.8	6422.5	6285.9
32.5°	3317.8	3352.3	3526.4	3897.0	4486.7	5471.1	6835.2	7713.0	7534.4	6692.6	6547.0
35°	3059.7	3082.2	3257.8	3617.9	4236.1	5246.0	6848.7	8124.2	8109.2	7102.3	6908.7
37.5°	2795.6	2828.6	3005.7	3350.8	3970.5	5007.4	6781.1	8560.8	8802.4	7671.0	7462.4
40°	2542.0	2570.5	2744.6	3092.7	3668.9	4716.3	6620.6	8960.0	9611.2	8256.2	7960.6
42.5°	2265.9	2273.4	2464.0	2818.1	3373.3	4378.7	6389.5	9315.6	10513.1	9041.0	8673.4
45°	1952.3	1971.8	2148.8	2497.0	3034.2	4000.6	6075.9	9609.7	11656.5	10128.9	9627.7
47.5°	1638.6	1655.1	1817.2	2160.8	2663.5	3566.9	5592.7	9867.8	12830.0	11511.0	10853.7
50°	1332.5	1341.5	1473.6	1778.2	2246.4	3110.7	4993.9	9950.4	14156.5	13467.7	12628.9
52.5°	1053.4	1066.9	1167.5	1406.0	1800.7	2572.0	4347.2	9746.3	15705.1	15787.6	14605.2
55°	853.8	858.3	933.4	1108.9	1407.5	2007.8	3566.9	9177.6	17370.8	18760.3	17252.2
57.5°	735.3	738.3	780.3	877.8	1083.4	1514.1	2767.1	8101.7	18866.8	22243.2	20304.4
60°	667.8	669.3	693.3	750.3	858.3	1161.5	1982.3	6583.1	20343.4	26119.2	24097.9
62.5°	625.7	625.7	642.2	673.8	726.3	891.3	1436.1	4749.3	21354.8	30052.2	28773.7
65°	585.2	585.2	597.2	619.7	648.3	729.3	1060.9	3097.2	21329.3	32916.8	33476.5
67.5°	538.7	538.7	547.7	570.2	586.7	627.2	819.3	2028.8	19159.5	32853.8	36042.5
70°	483.2	483.2	495.2	514.7	528.2	553.7	646.8	1388.0	14075.5	28051.9	32054.0
72.5°	427.7	429.2	436.7	456.2	466.7	481.7	537.2	972.4	8634.4	19100.9	22412.7
75°	366.1	369.1	376.6	396.2	405.2	411.2	453.2	693.3	4368.2	10298.5	11725.6
77.5°	295.6	301.6	306.1	327.1	333.1	342.1	373.6	501.2	1917.7	3700.4	3733.5
80°	216.1	223.6	237.1	256.6	261.1	267.1	285.1	355.6	868.8	1689.7	1835.2
82.5°	159.1	169.6	153.1	178.6	178.6	171.1	201.1	238.6	399.2	1673.2	2001.8
85°	87.0	88.5	79.5	91.5	97.5	96.0	106.5	117.0	193.6	1116.4	1150.9
87.5°	21.0	22.5	24.0	28.5	34.5	34.5	37.5	33.0	63.0	361.6	207.1
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)