

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: P526042

Luminaire Tested: **GALN-SA1A-727-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-727-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3283 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

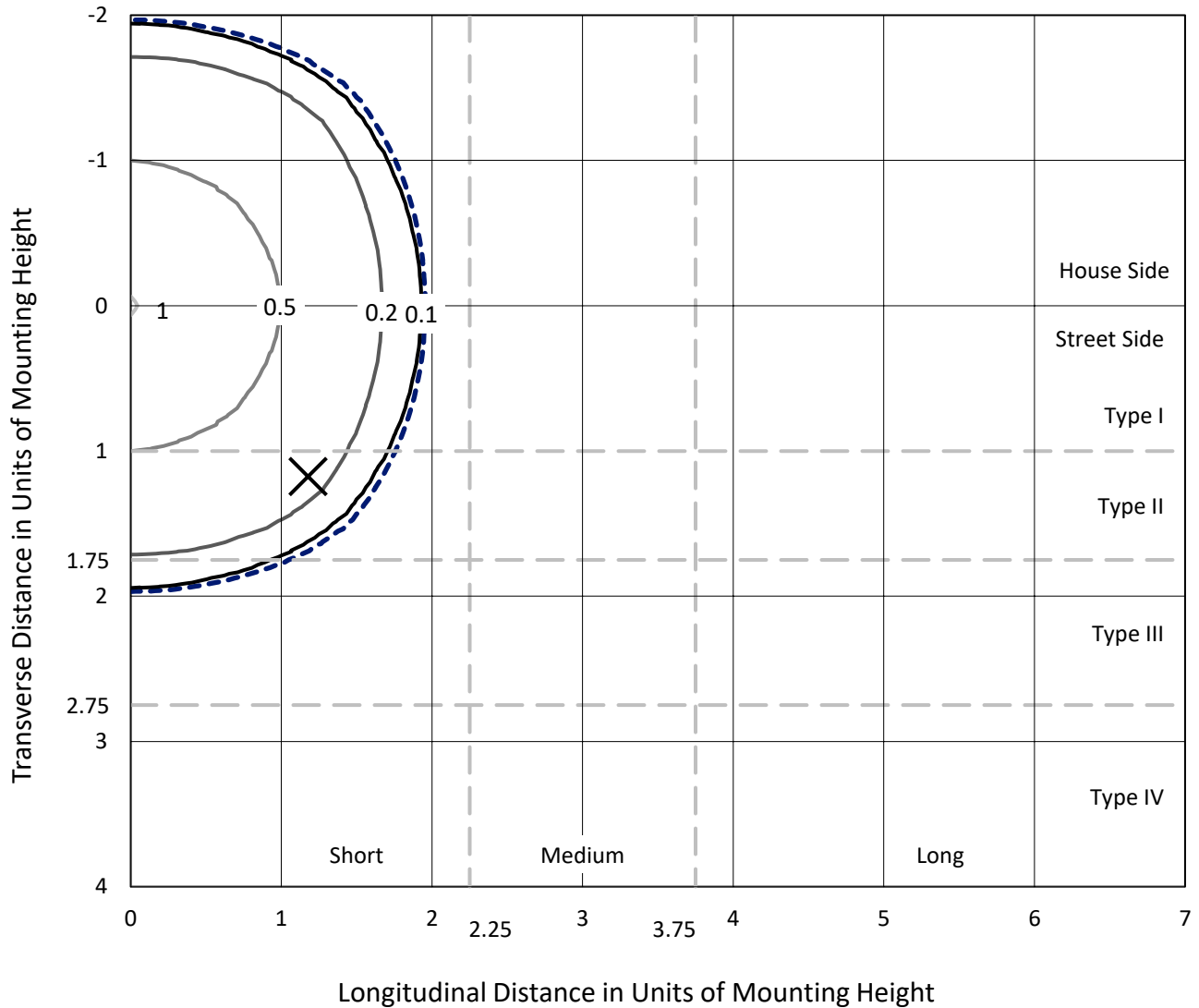
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

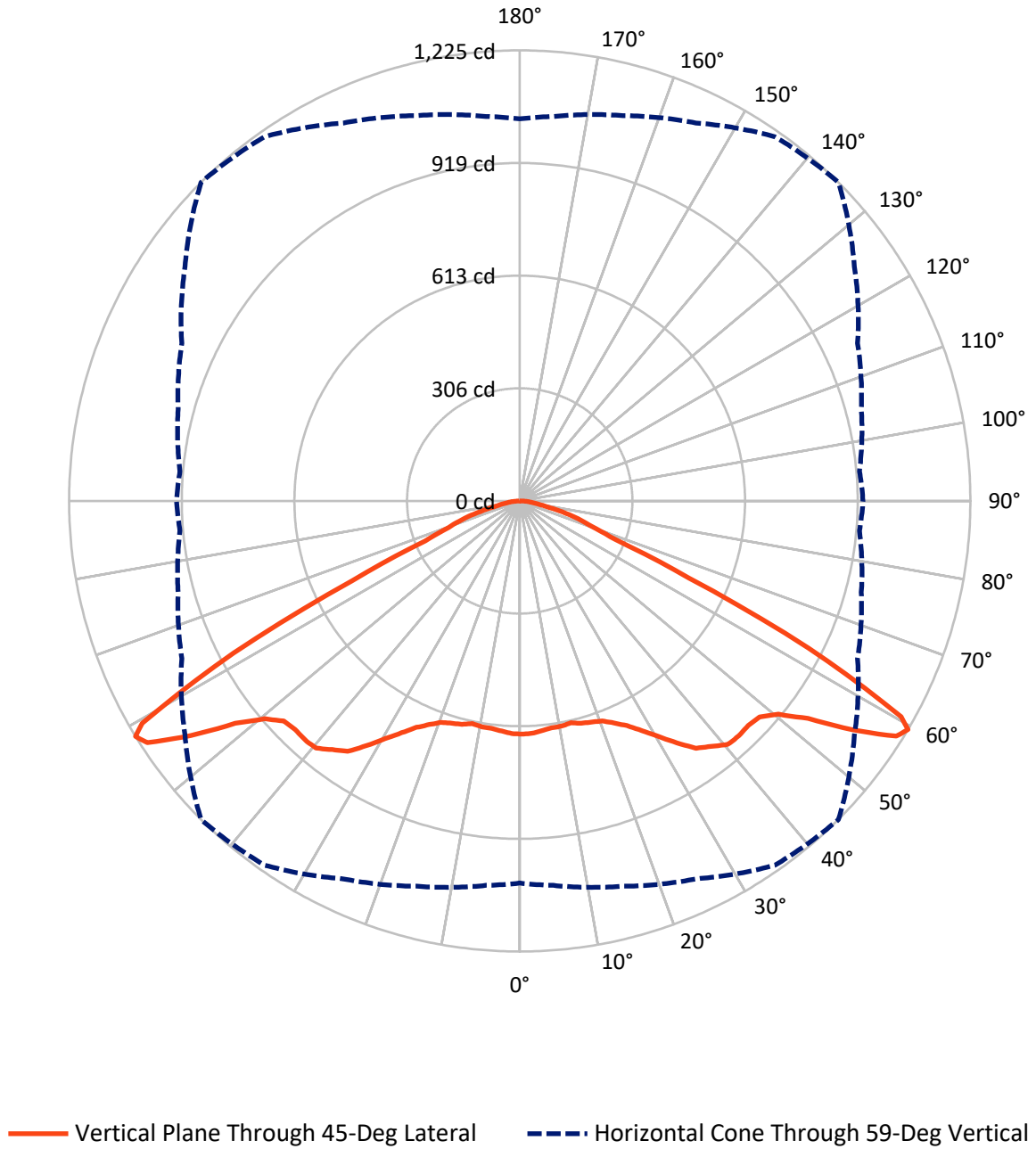
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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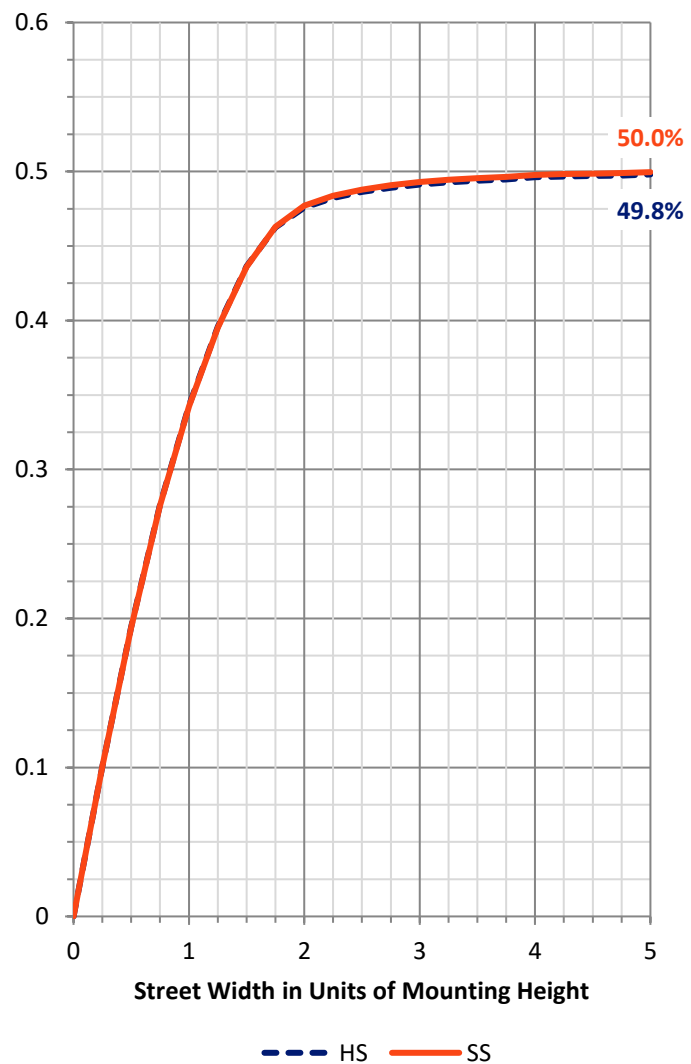
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1641.5	0.0	1641.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1641.5	0.0	1641.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3283.0	0.0	3283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	1.8
10°-20°	177.8	5.4
20°-30°	310.4	9.5
30°-40°	495.8	15.1
40°-50°	675.3	20.6
50°-60°	913.2	27.8
60°-70°	500.8	15.3
70°-80°	128.1	3.9
80°-90°	21.9	0.7
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°	3283.0	100.0
0°-180°	3283.0	100.0

Coefficient of Utilization



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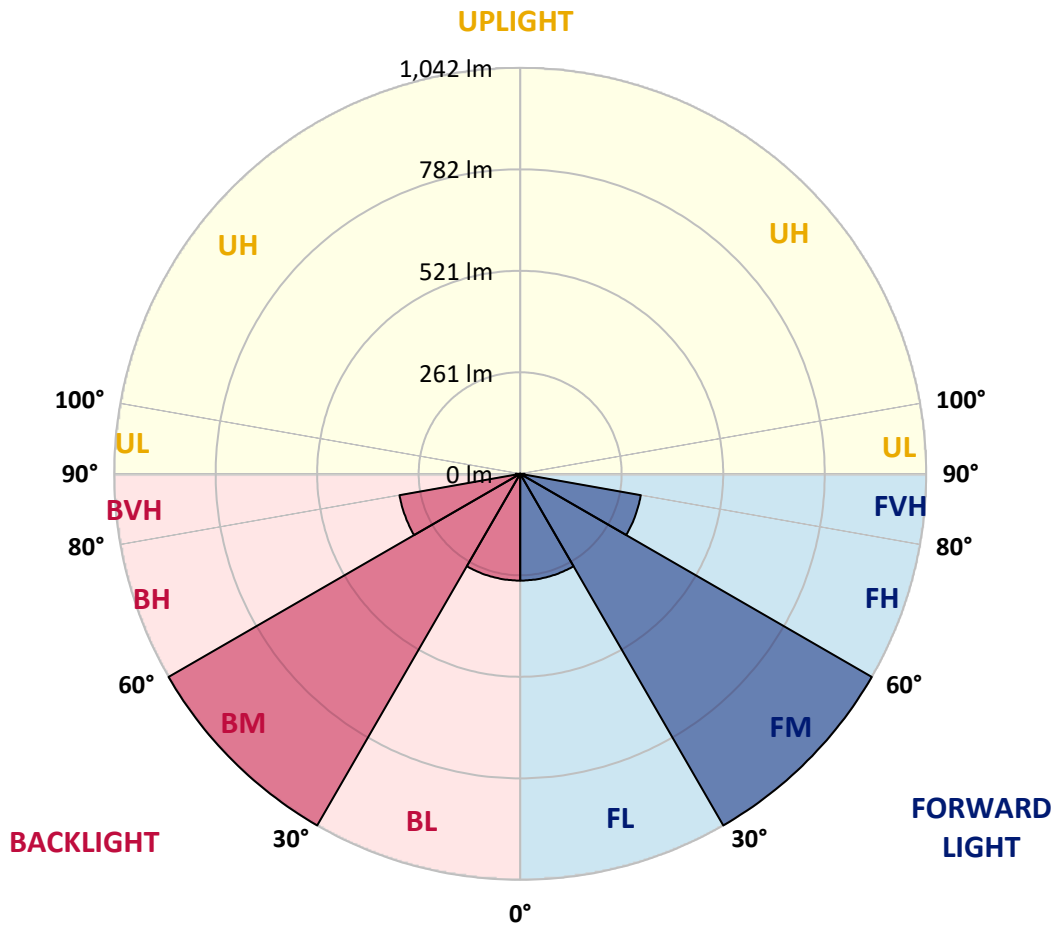
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.0	8.3			
FM (30°-60°)	1042.1	31.7			
FH (60°-80°)	314.5	9.6			G0/660
FVH (80°-90°)	10.9	0.3			G1/100
BL (0°-30°)	274.0	8.3	B1/500		
BM (30°-60°)	1042.1	31.7	B2/2500		
BH (60°-80°)	314.5	9.6	B1/500		G0/660
BVH (80°-90°)	10.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1	634.1
2.5°	630.3	635.0	631.6	634.5	634.1	632.9	630.8	629.5	627.8	630.3	626.1
5°	627.8	631.6	635.4	630.3	630.3	627.8	626.5	624.0	624.0	623.6	623.2
7.5°	632.0	628.2	626.5	627.4	628.2	622.8	626.5	621.5	617.3	620.2	623.6
10°	628.2	629.9	623.6	626.5	621.9	622.8	620.2	623.6	619.0	619.0	619.0
12.5°	632.0	627.4	629.5	627.4	626.1	619.0	622.3	618.5	618.1	622.3	618.5
15°	639.6	632.0	630.3	626.1	627.4	627.4	624.0	624.4	619.8	622.3	623.2
17.5°	637.1	632.9	631.6	626.5	630.8	632.0	625.7	621.5	624.4	624.0	623.6
20°	639.2	640.9	639.6	640.4	642.1	638.7	632.9	627.0	623.2	628.6	628.2
22.5°	652.6	650.9	650.1	649.3	652.2	655.6	647.6	638.3	638.3	642.1	643.8
25°	663.6	663.2	662.7	666.5	676.6	676.6	666.5	654.7	651.8	654.3	652.2
27.5°	679.6	684.2	682.5	689.2	704.0	707.3	693.9	680.0	672.0	669.0	672.8
30°	716.2	710.7	712.0	719.1	732.2	743.1	722.5	707.8	696.8	696.4	698.1
32.5°	740.6	744.8	748.6	755.3	775.9	784.3	759.5	735.5	728.8	725.0	726.3
35°	789.4	785.6	784.8	791.5	812.1	826.0	794.9	773.8	765.0	773.4	773.4
37.5°	835.7	825.2	817.2	826.0	844.9	846.6	820.1	808.7	804.1	813.8	813.4
40°	857.6	856.7	838.2	843.2	868.5	871.0	846.2	832.7	831.9	844.5	857.1
42.5°	880.3	872.3	853.8	857.1	872.7	873.5	850.0	846.2	855.4	867.7	868.5
45°	884.1	877.3	865.5	857.1	868.5	871.0	857.1	859.7	860.5	875.2	875.2
47.5°	891.6	890.8	884.1	877.8	879.9	877.8	868.9	872.7	885.3	892.5	889.1
50°	912.7	903.8	910.6	905.1	905.5	911.4	903.4	907.2	904.7	898.4	894.2
52.5°	959.0	954.8	960.6	964.4	968.6	982.1	972.8	952.7	933.7	916.9	916.5
55°	1026.7	1029.7	1041.0	1060.4	1076.8	1098.2	1053.6	1005.2	975.0	948.4	950.1
57.5°	1090.7	1088.6	1104.1	1148.3	1196.3	1207.2	1119.7	1050.7	1001.5	984.6	977.5
59°	1039.3	1049.4	1084.8	1134.0	1209.3	1225.3	1110.9	1013.7	961.5	927.4	933.3
60°	958.5	962.3	993.9	1062.5	1164.3	1191.7	1051.5	956.4	887.0	867.2	876.1
62.5°	677.5	674.5	697.2	753.2	844.5	881.5	781.8	714.9	671.1	649.3	654.3
65°	360.2	373.7	382.9	417.8	466.2	505.4	464.1	435.1	410.7	392.6	392.2
67.5°	243.2	241.5	243.6	251.6	268.0	279.0	278.1	263.4	261.3	257.9	261.7
70°	204.9	204.1	200.3	200.3	203.7	206.2	209.1	210.8	214.2	218.4	218.0
72.5°	166.2	164.1	161.6	160.3	164.5	165.8	169.6	171.3	174.2	173.8	177.6
75°	109.8	109.8	112.8	116.1	117.4	119.9	120.3	125.4	125.4	126.2	122.9
77.5°	61.4	59.8	61.9	65.2	68.2	72.8	77.4	81.2	83.3	82.5	82.5
80°	35.8	35.8	37.9	41.7	45.4	49.7	53.0	56.0	58.1	57.2	55.5
82.5°	22.3	22.3	24.4	28.2	31.1	33.7	38.3	42.1	44.6	43.8	41.7
85°	11.4	11.4	13.9	16.4	20.2	21.9	21.5	19.8	19.4	17.3	17.3
87.5°	2.9	2.9	4.2	4.6	3.8	4.2	4.2	4.2	4.2	4.2	4.6
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)