

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: P526275

Luminaire Tested: **GALN-SA1B-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2512 lumens
Efficiency: N/A
Efficacy: 57.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

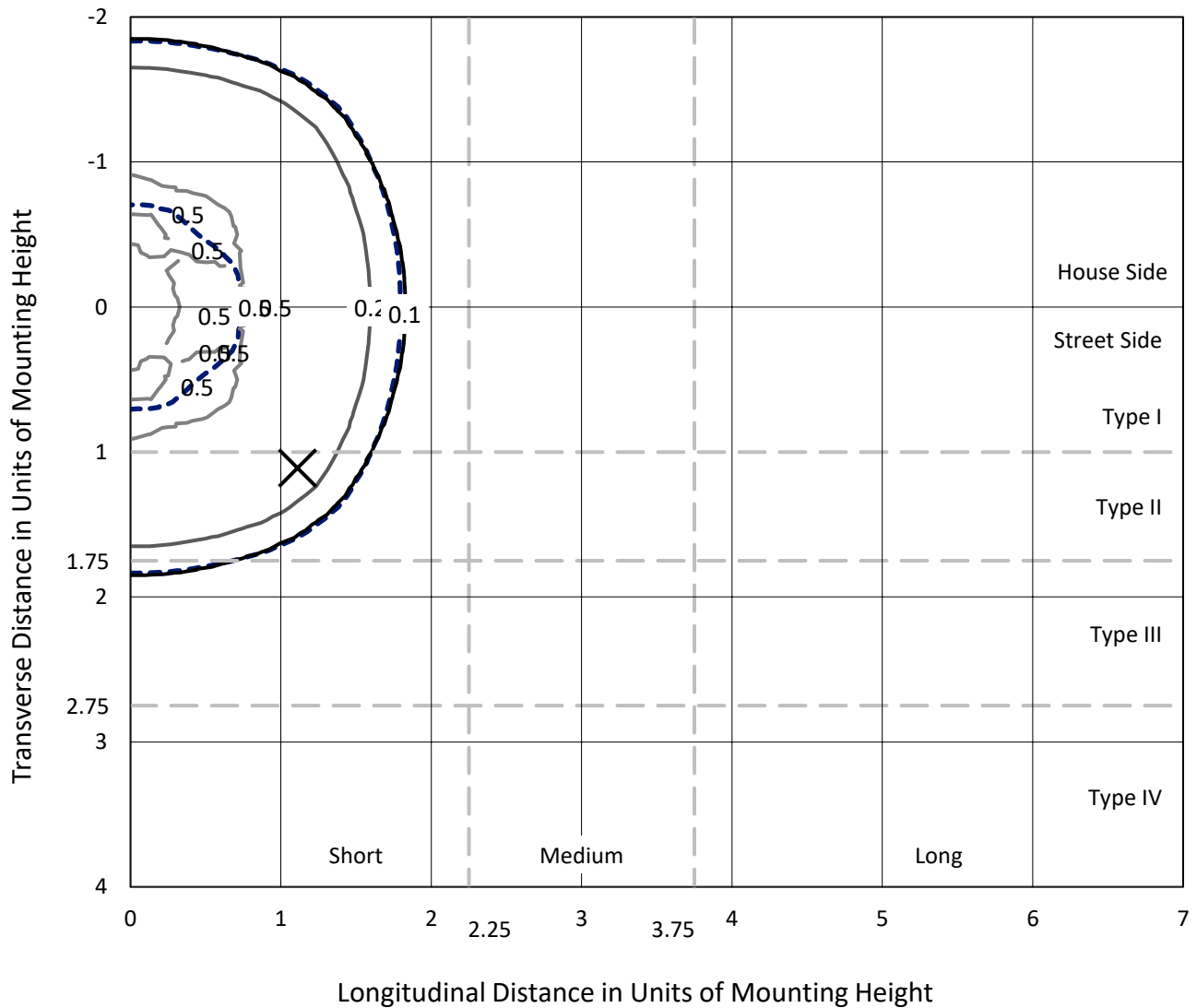
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

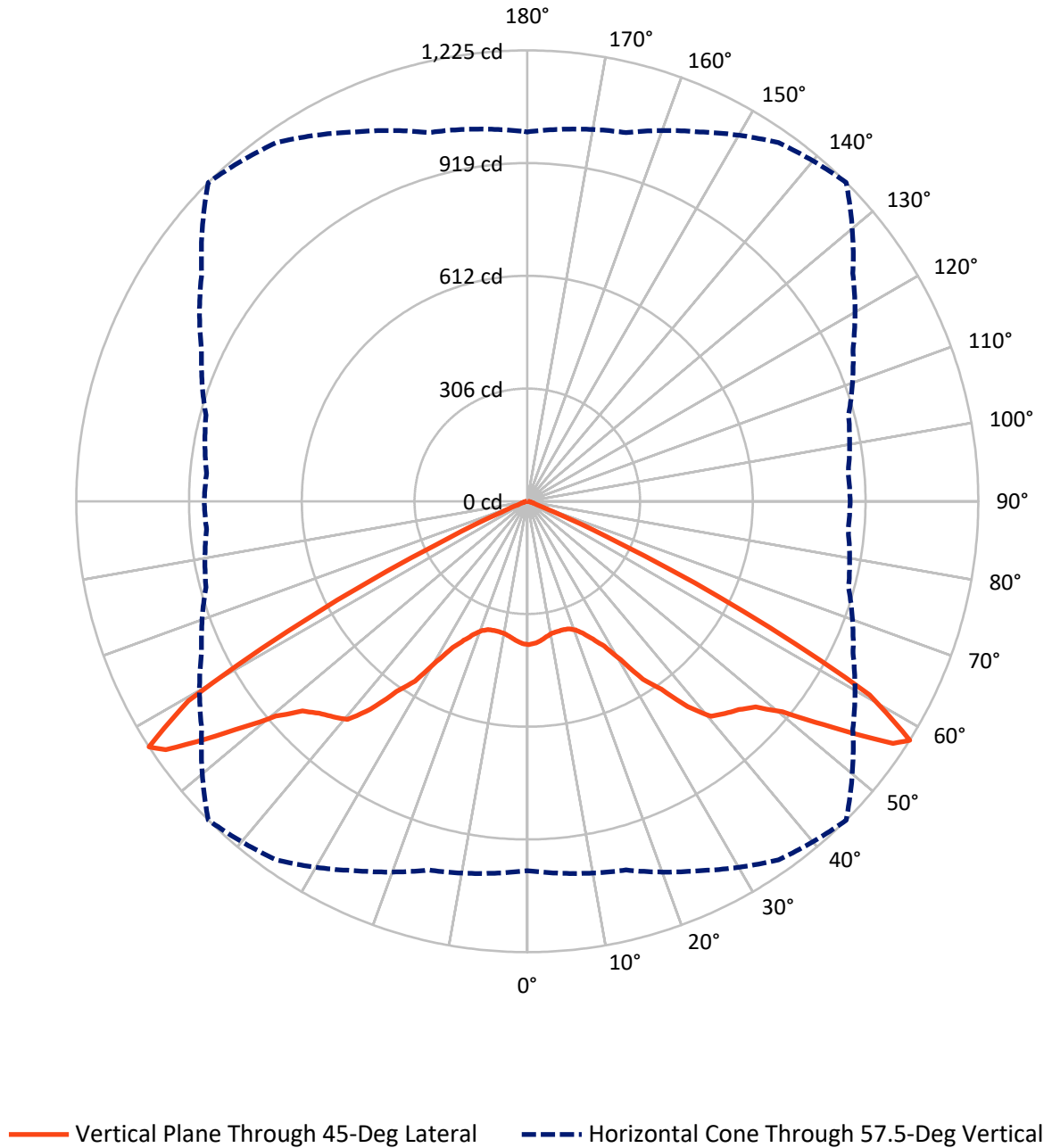
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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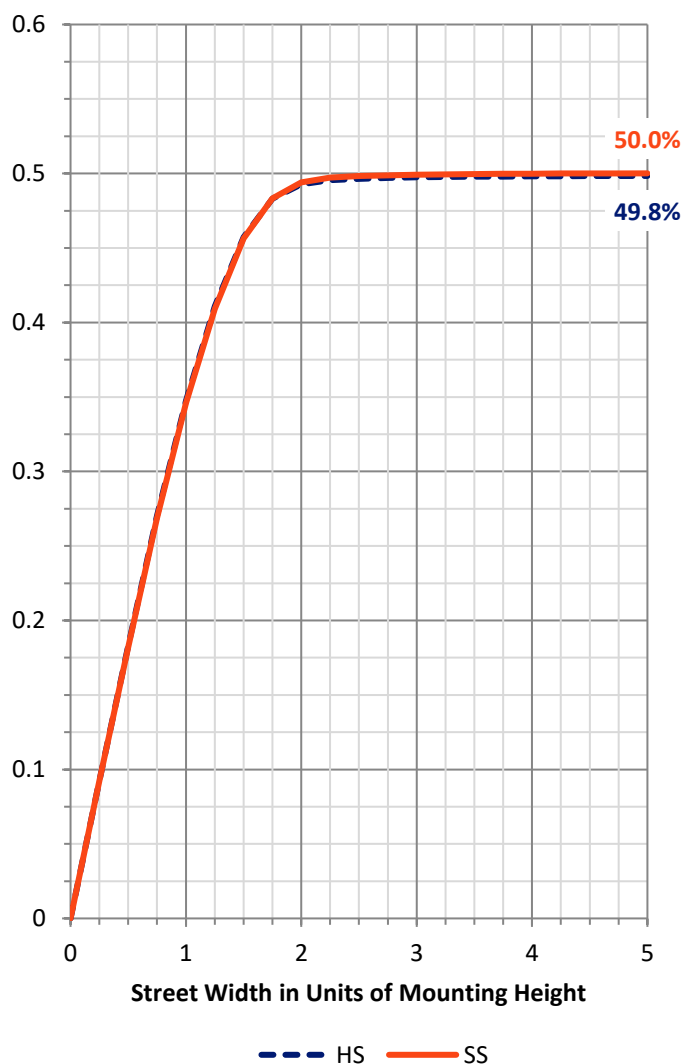
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1256.0	0.0	1256.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1256.0	0.0	1256.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2512.0	0.0	2512.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.8	1.4
10°-20°	103.5	4.1
20°-30°	191.0	7.6
30°-40°	375.7	15.0
40°-50°	611.9	24.4
50°-60°	872.7	34.7
60°-70°	302.1	12.0
70°-80°	16.2	0.6
80°-90°	3.0	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°	2512.0	100.0
0°-180°	2512.0	100.0

Coefficient of Utilization

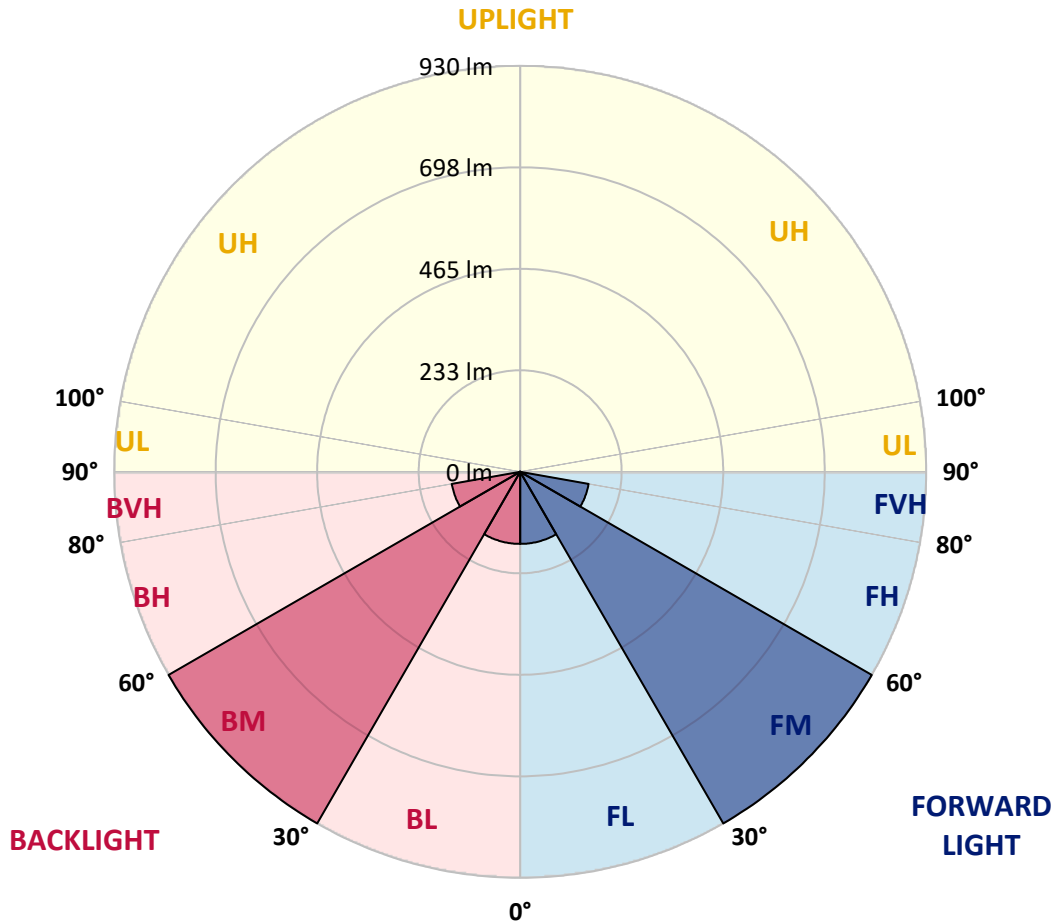


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	165.2	6.6			
FM (30°-60°)	930.1	37.0			
FH (60°-80°)	159.2	6.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	165.2	6.6	B1/500		
BM (30°-60°)	930.1	37.0	B1/1000		
BH (60°-80°)	159.2	6.3	B1/500		G0/660
BVH (80°-90°)	1.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6	389.6
2.5°	388.6	390.7	388.1	387.0	386.5	386.5	384.9	384.9	384.4	384.9	382.8
5°	382.3	384.4	384.4	383.9	380.7	380.2	378.6	377.6	378.1	376.0	377.6
7.5°	376.0	377.6	375.5	375.0	373.9	371.8	371.3	366.6	367.1	367.1	368.2
10°	375.0	374.5	371.3	368.7	365.5	365.0	363.5	362.4	362.4	361.9	363.5
12.5°	375.0	372.4	371.8	366.1	360.8	362.9	358.7	356.1	359.8	360.8	362.9
15°	374.5	377.1	368.2	365.5	361.9	362.4	358.7	356.1	358.2	359.3	360.8
17.5°	377.6	376.0	373.4	368.2	366.6	364.5	359.8	357.7	357.7	360.3	360.8
20°	386.0	381.8	376.5	373.9	375.5	372.9	367.1	359.3	361.4	363.5	365.0
22.5°	393.8	390.7	387.0	385.4	394.4	390.2	380.2	371.3	368.2	371.8	374.5
25°	409.0	409.0	402.2	404.3	414.3	414.8	403.3	387.5	385.4	387.0	388.1
27.5°	439.9	441.5	435.7	437.8	442.0	445.7	435.7	422.6	417.9	417.4	419.0
30°	473.4	476.6	476.0	485.0	497.0	499.1	484.4	463.0	448.8	446.2	448.3
32.5°	517.4	519.0	517.9	528.4	560.9	576.1	537.8	507.5	488.6	493.3	488.6
35°	600.2	598.6	587.1	589.2	615.9	626.9	590.2	570.8	561.9	571.4	569.3
37.5°	671.4	665.6	656.2	669.8	697.6	707.5	669.3	635.3	619.0	634.7	641.5
40°	731.6	717.0	703.9	717.5	754.7	768.3	712.2	684.5	678.2	689.7	704.4
42.5°	782.4	773.0	755.7	756.8	781.4	787.7	742.6	726.4	720.1	738.4	745.8
45°	818.6	809.6	793.4	792.4	811.2	807.0	766.7	755.7	759.4	771.4	775.1
47.5°	836.9	841.6	832.2	834.8	844.7	834.8	802.8	802.8	794.5	801.8	798.1
50°	889.8	875.1	887.2	887.2	897.6	898.7	866.7	855.2	832.7	820.1	820.1
52.5°	951.6	952.6	957.3	974.6	992.4	1007.6	962.0	912.8	875.1	858.9	856.8
55°	1002.4	1012.8	1031.7	1064.2	1115.5	1136.4	1057.9	969.9	923.8	898.7	893.4
56°	1030.1	1020.2	1052.6	1097.2	1164.2	1191.4	1073.6	981.4	930.6	902.3	901.8
57.5°	1003.4	1014.4	1036.9	1107.1	1189.3	1224.9	1079.4	976.2	903.4	874.6	877.2
60°	792.4	802.8	833.2	911.8	1040.6	1068.4	913.3	804.9	740.0	698.6	699.1
62.5°	448.3	456.1	479.7	552.5	632.6	659.3	569.3	497.0	452.0	428.9	421.6
65°	165.0	161.8	165.5	202.7	251.9	274.4	236.7	200.1	176.5	168.1	165.0
67.5°	61.8	57.1	53.4	57.1	71.7	75.9	69.7	58.1	54.5	56.0	57.1
70°	38.2	36.1	28.8	27.2	26.7	26.2	27.8	29.3	33.5	39.3	40.3
72.5°	26.7	25.1	20.4	19.4	18.3	17.8	20.4	22.5	26.2	30.4	30.9
75°	10.5	11.0	10.5	11.5	12.0	12.6	14.7	16.2	17.8	17.8	17.3
77.5°	2.1	2.1	3.1	4.2	5.2	6.8	10.0	11.5	12.0	11.5	10.0
80°	0.0	0.0	1.0	2.1	4.2	5.8	8.9	10.0	11.0	10.0	7.9
82.5°	0.0	0.0	1.0	2.6	4.2	5.2	8.4	10.5	12.0	11.0	8.4
85°	0.0	0.0	1.0	2.1	3.1	3.7	3.7	2.6	2.6	1.6	1.0
87.5°	0.0	0.0	0.0	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)