

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: P647700

Luminaire Tested: **GALN-SA1A-835-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647700
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-835-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 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: 3074 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G1

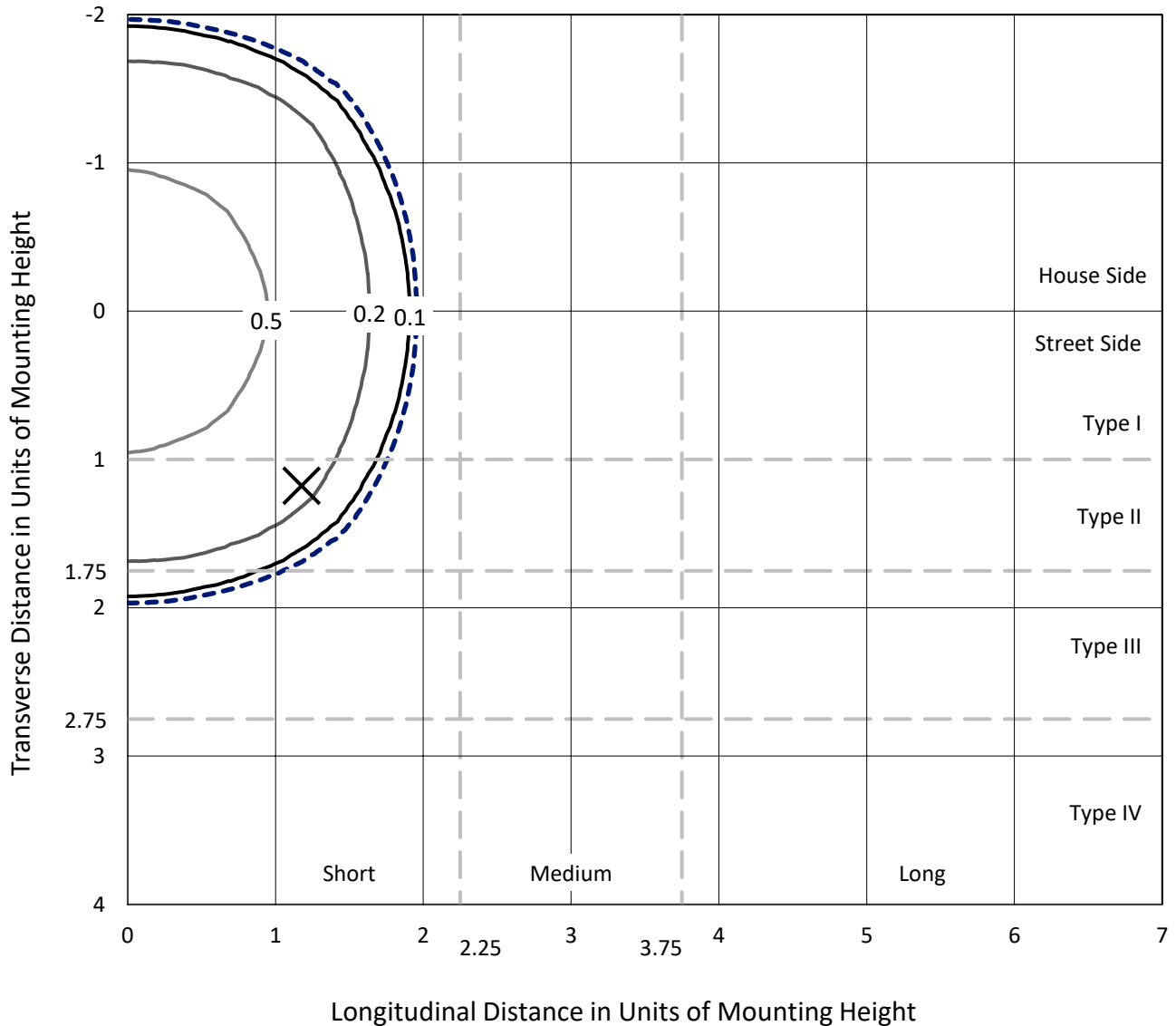
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

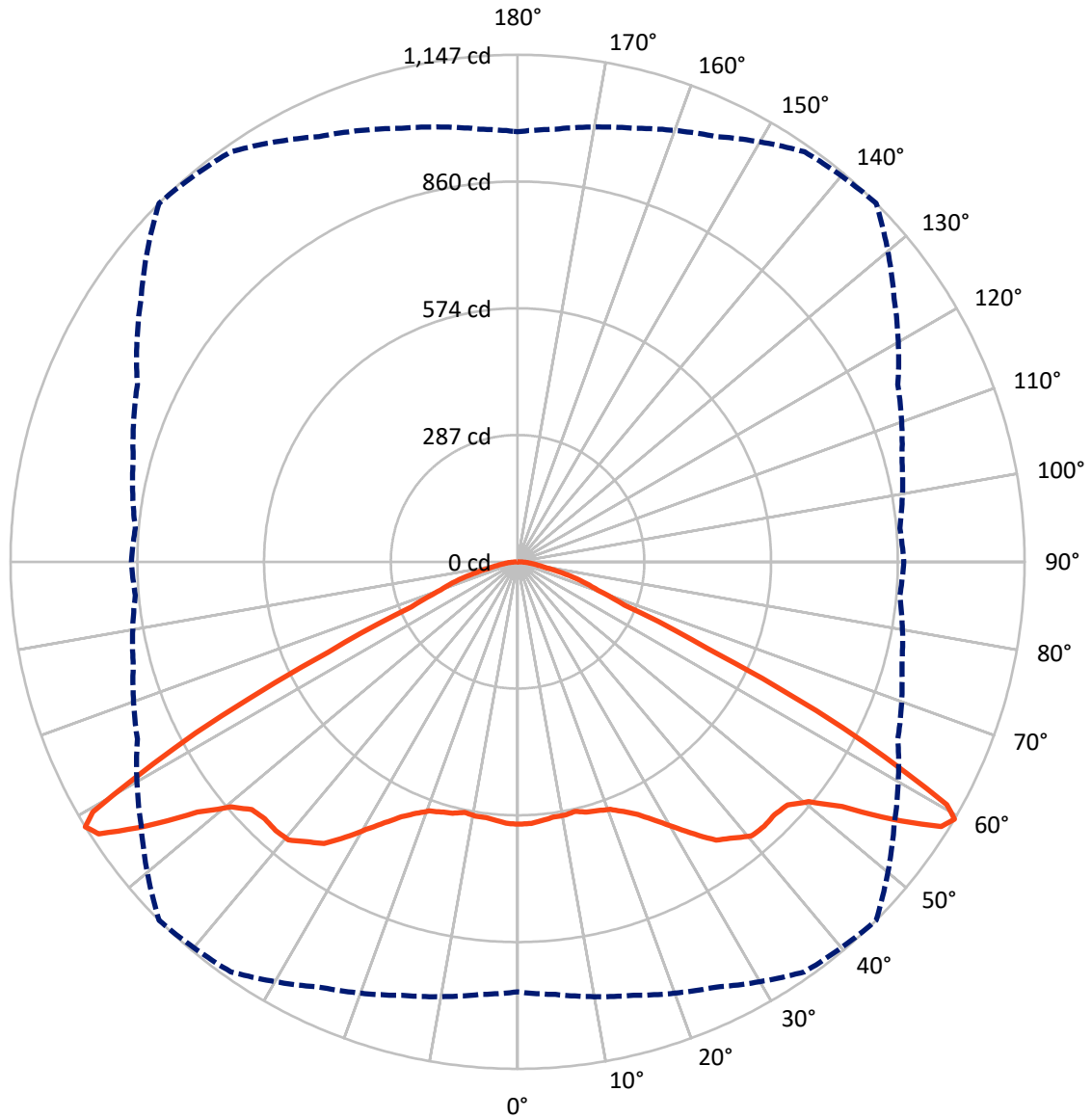
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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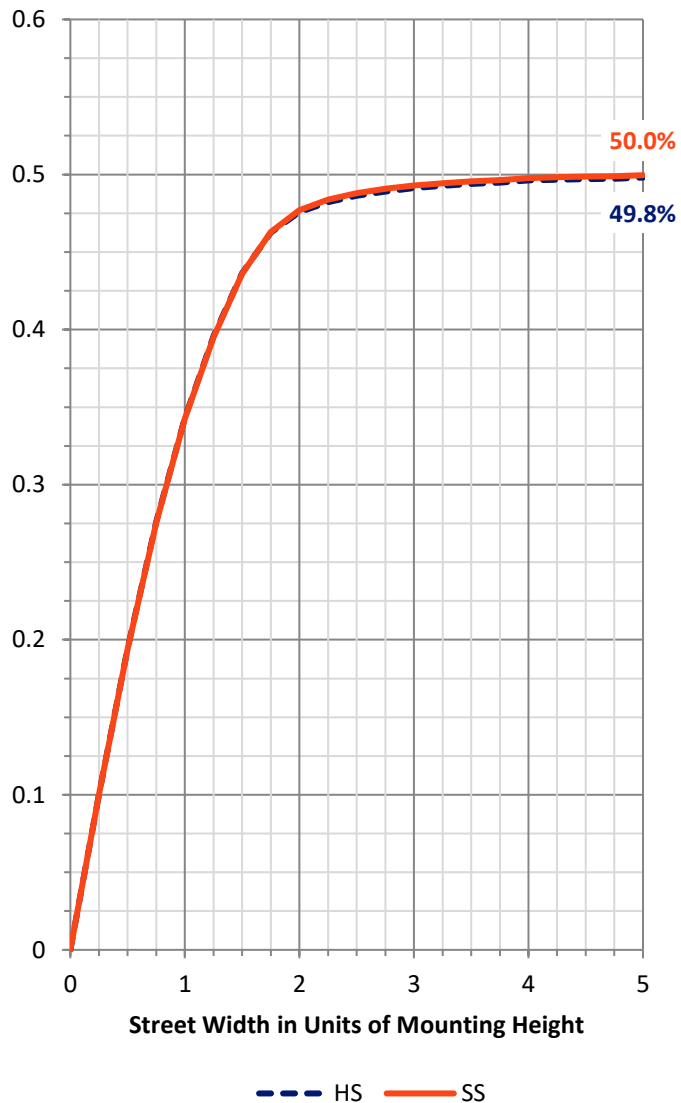
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1537.0	0.0	1537.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1537.0	0.0	1537.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3074.0	0.0	3074.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	1.8
10°-20°	166.5	5.4
20°-30°	290.6	9.5
30°-40°	464.2	15.1
40°-50°	632.3	20.6
50°-60°	855.1	27.8
60°-70°	468.9	15.3
70°-80°	120.0	3.9
80°-90°	20.4	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°	3074.0	100.0
0°-180°	3074.0	100.0

Coefficient of Utilization



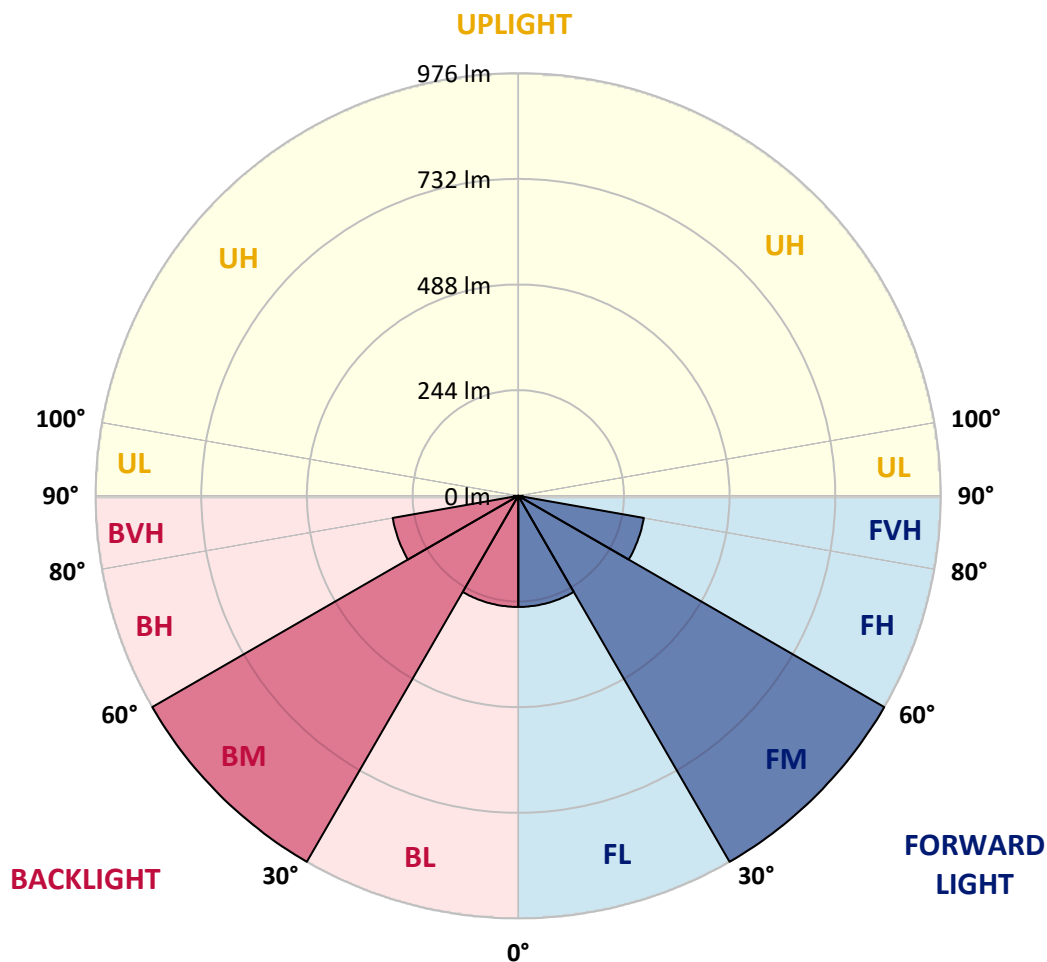
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.5	8.3			
FM (30°-60°)	975.8	31.7			
FH (60°-80°)	294.4	9.6			G0/660
FVH (80°-90°)	10.2	0.3			G1/100
BL (0°-30°)	256.5	8.3	B1/500		
BM (30°-60°)	975.8	31.7	B1/1000		
BH (60°-80°)	294.4	9.6	B1/500		G0/660
BVH (80°-90°)	10.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7	593.7
2.5°	590.2	594.5	591.4	594.1	593.7	592.6	590.6	589.4	587.9	590.2	586.3
5°	587.9	591.4	594.9	590.2	590.2	587.9	586.7	584.3	584.3	583.9	583.5
7.5°	591.8	588.3	586.7	587.5	588.3	583.1	586.7	581.9	578.0	580.8	583.9
10°	588.3	589.8	583.9	586.7	582.3	583.1	580.8	583.9	579.6	579.6	579.6
12.5°	591.8	587.5	589.4	587.5	586.3	579.6	582.7	579.2	578.8	582.7	579.2
15°	598.9	591.8	590.2	586.3	587.5	587.5	584.3	584.7	580.4	582.7	583.5
17.5°	596.5	592.6	591.4	586.7	590.6	591.8	585.9	581.9	584.7	584.3	583.9
20°	598.5	600.1	598.9	599.7	601.3	598.1	592.6	587.1	583.5	588.7	588.3
22.5°	611.1	609.5	608.7	607.9	610.7	613.9	606.4	597.7	597.7	601.3	602.8
25°	621.3	620.9	620.5	624.1	633.5	633.5	624.1	613.1	610.3	612.7	610.7
27.5°	636.3	640.7	639.1	645.3	659.1	662.3	649.7	636.7	629.2	626.5	630.0
30°	670.6	665.5	666.6	673.4	685.6	695.8	676.5	662.7	652.5	652.1	653.6
32.5°	693.4	697.4	700.9	707.2	726.5	734.5	711.2	688.7	682.4	678.9	680.0
35°	739.2	735.6	734.8	741.1	760.4	773.4	744.2	724.6	716.3	724.2	724.2
37.5°	782.5	772.7	765.1	773.4	791.1	792.7	767.9	757.2	752.9	762.0	761.6
40°	803.0	802.2	784.9	789.6	813.2	815.6	792.3	779.7	778.9	790.8	802.6
42.5°	824.3	816.7	799.4	802.6	817.1	817.9	795.9	792.3	801.0	812.4	813.2
45°	827.8	821.5	810.5	802.6	813.2	815.6	802.6	804.9	805.7	819.5	819.5
47.5°	834.9	834.1	827.8	821.9	823.9	821.9	813.6	817.1	829.0	835.7	832.6
50°	854.6	846.3	852.6	847.5	847.9	853.4	846.0	849.5	847.1	841.2	837.3
52.5°	897.9	894.0	899.5	903.0	907.0	919.6	910.9	892.0	874.3	858.6	858.2
55°	961.4	964.1	974.8	992.9	1008.3	1028.3	986.6	941.2	912.9	888.1	889.6
57.5°	1021.3	1019.3	1033.9	1075.2	1120.2	1130.4	1048.4	983.8	937.7	922.0	915.2
59°	973.2	982.7	1015.7	1061.8	1132.4	1147.3	1040.1	949.2	900.3	868.3	873.9
60°	897.6	901.1	930.6	994.9	1090.2	1115.8	984.6	895.6	830.5	812.0	820.3
62.5°	634.3	631.6	652.9	705.2	790.8	825.4	732.0	669.4	628.4	607.9	612.7
65°	337.2	349.8	358.5	391.3	436.5	473.2	434.6	407.4	384.5	367.6	367.2
67.5°	227.7	226.1	228.2	235.6	251.0	261.2	260.4	246.6	244.7	241.6	245.1
70°	191.9	191.1	187.5	187.5	190.7	193.1	195.8	197.4	200.5	204.5	204.1
72.5°	155.7	153.6	151.3	150.1	154.0	155.3	158.8	160.4	163.1	162.7	166.2
75°	102.8	102.8	105.6	108.8	109.9	112.3	112.7	117.4	117.4	118.2	115.0
77.5°	57.6	56.0	57.9	61.1	63.8	68.2	72.5	76.0	78.0	77.2	77.2
80°	33.5	33.5	35.5	39.0	42.5	46.5	49.6	52.4	54.3	53.6	52.0
82.5°	20.9	20.9	22.9	26.4	29.1	31.6	35.9	39.4	41.7	41.0	39.0
85°	10.6	10.6	13.0	15.3	18.9	20.5	20.1	18.6	18.1	16.1	16.1
87.5°	2.7	2.7	3.9	4.3	3.5	3.9	3.9	3.9	3.9	3.9	4.3
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)