

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: P647699

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647699
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-SA1A-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 615mA 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: 1890.2 lumens
Efficiency: N/A
Efficacy: 57.3 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

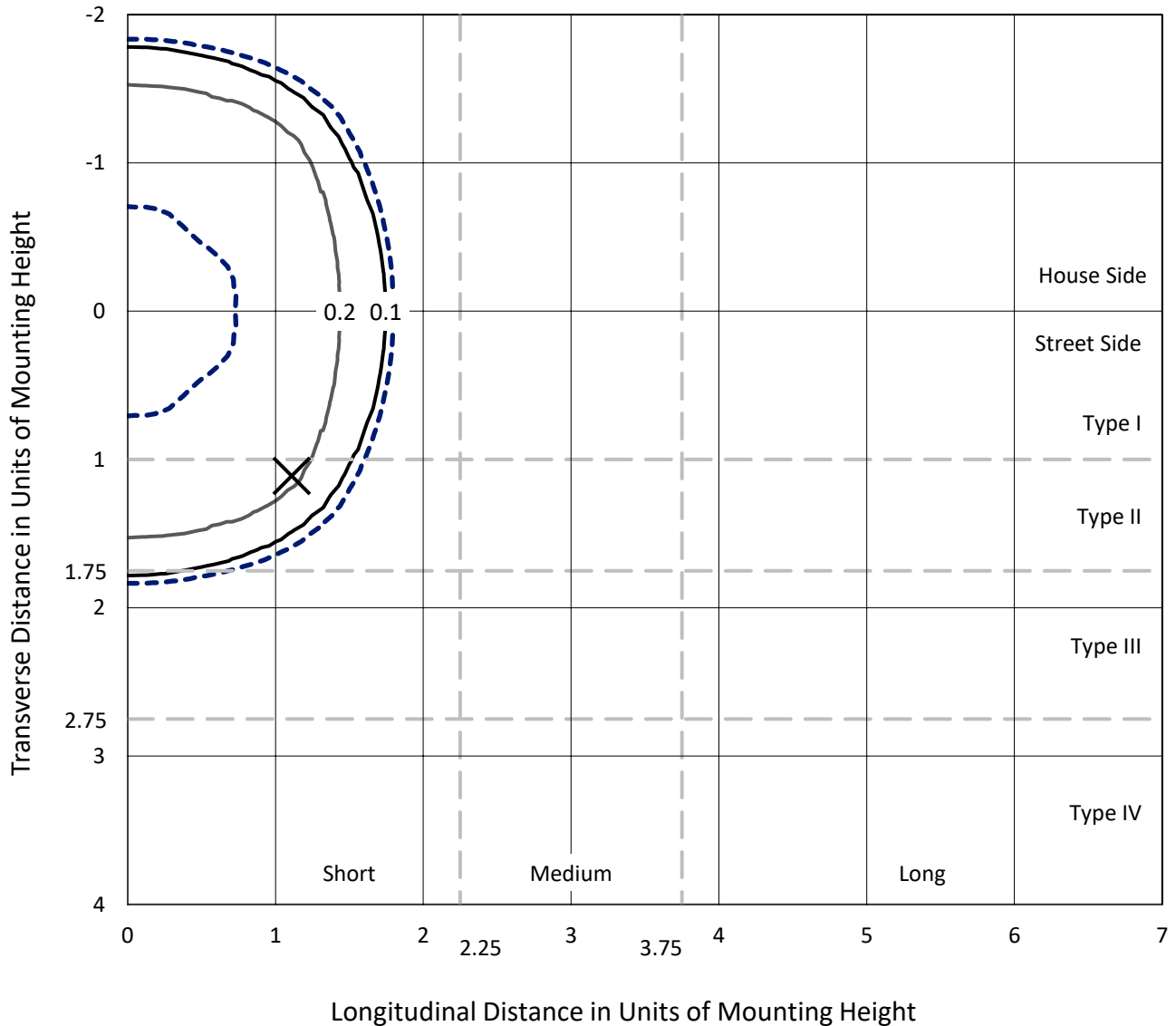
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

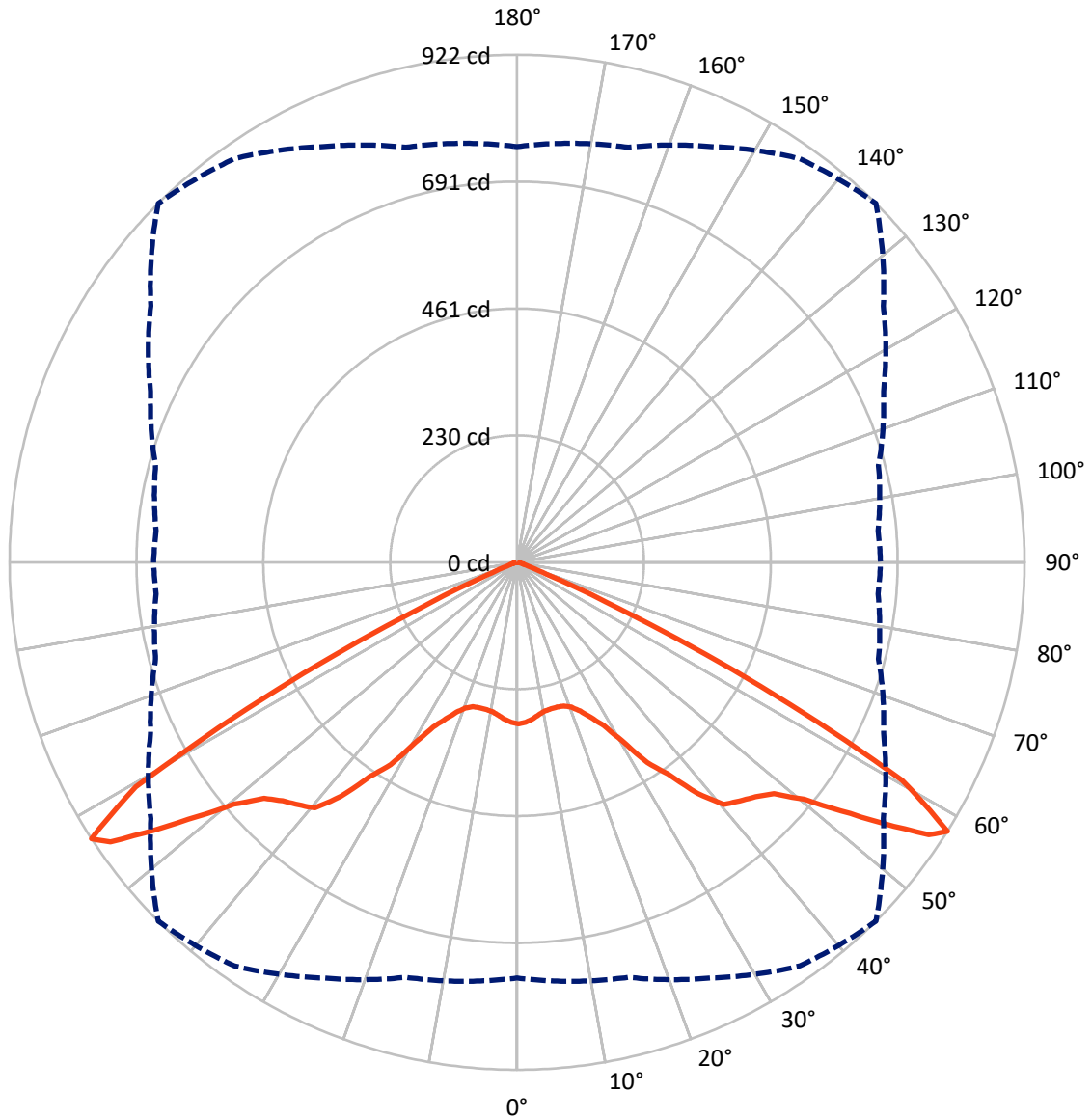
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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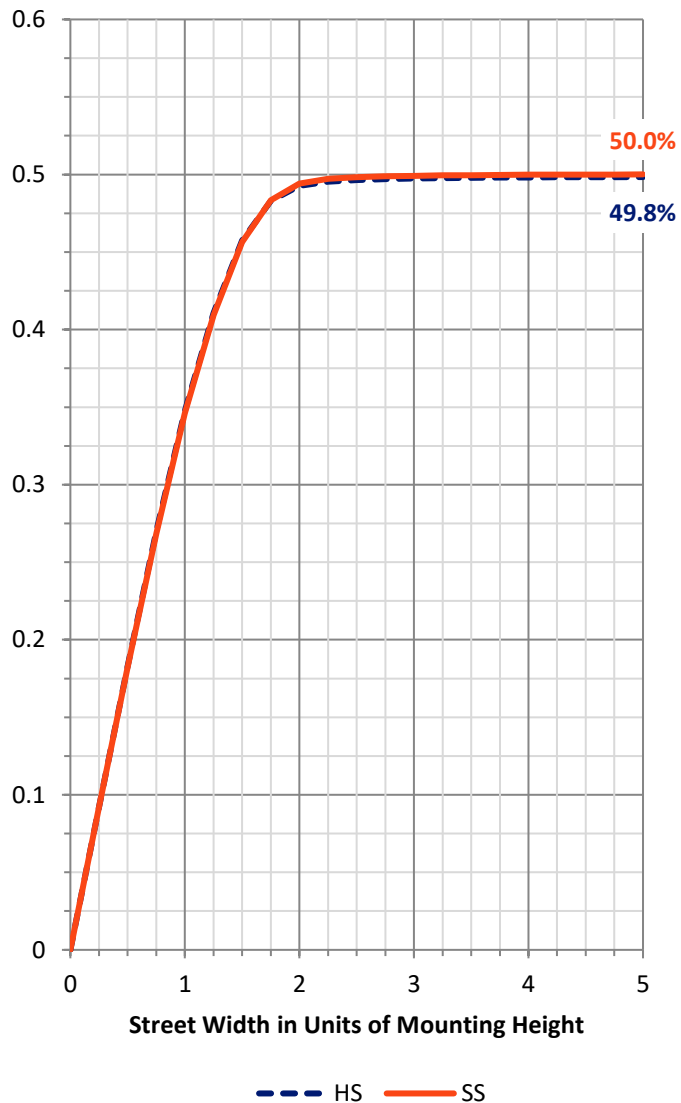
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	945.1	0.0	945.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	945.1	0.0	945.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	1890.2	0.0	1890.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	1.4
10°-20°	77.9	4.1
20°-30°	143.7	7.6
30°-40°	282.7	15.0
40°-50°	460.4	24.4
50°-60°	656.6	34.7
60°-70°	227.4	12.0
70°-80°	12.2	0.6
80°-90°	2.3	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°	1890.2	100.0
0°-180°	1890.2	100.0

Coefficient of Utilization

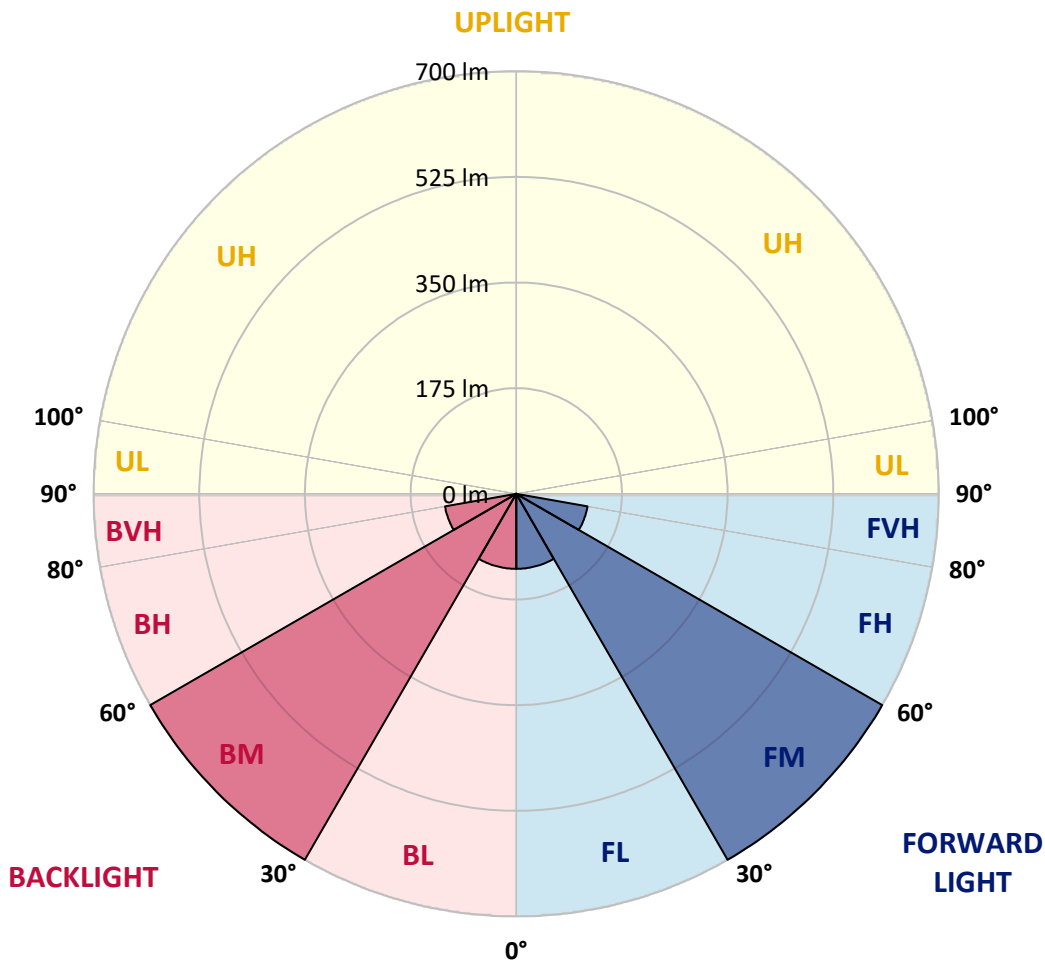


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.3	6.6			
FM (30°-60°)	699.9	37.0			
FH (60°-80°)	119.8	6.3			G0/660
FVH (80°-90°)	1.1	0.1			G0/10
BL (0°-30°)	124.3	6.6	B1/500		
BM (30°-60°)	699.9	37.0	B1/1000		
BH (60°-80°)	119.8	6.3	B1/500		G0/660
BVH (80°-90°)	1.1	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°	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2	293.2
2.5°	292.4	293.9	292.0	291.2	290.8	290.8	289.6	289.6	289.2	289.6	288.1
5°	287.7	289.2	289.2	288.8	286.5	286.1	284.9	284.2	284.5	283.0	284.2
7.5°	283.0	284.2	282.5	282.1	281.3	279.8	279.4	275.9	276.2	276.2	277.0
10°	282.1	281.7	279.4	277.4	275.1	274.7	273.5	272.7	272.7	272.3	273.5
12.5°	282.1	280.2	279.8	275.5	271.5	273.1	269.9	267.9	270.7	271.5	273.1
15°	281.7	283.8	277.0	275.1	272.3	272.7	269.9	267.9	269.5	270.3	271.5
17.5°	284.2	283.0	280.9	277.0	275.9	274.3	270.7	269.1	269.1	271.2	271.5
20°	290.4	287.3	283.4	281.3	282.5	280.5	276.2	270.3	271.9	273.5	274.7
22.5°	296.4	293.9	291.2	290.0	296.8	293.5	286.1	279.4	277.0	279.8	281.7
25°	307.8	307.8	302.6	304.2	311.7	312.1	303.4	291.6	290.0	291.2	292.0
27.5°	331.1	332.2	327.8	329.4	332.6	335.4	327.8	318.0	314.5	314.1	315.2
30°	356.3	358.6	358.2	364.9	374.0	375.5	364.5	348.4	337.7	335.8	337.3
32.5°	389.3	390.5	389.7	397.6	422.0	433.5	404.7	381.9	367.7	371.2	367.7
35°	451.6	450.4	441.8	443.3	463.5	471.7	444.1	429.6	422.8	429.9	428.4
37.5°	505.2	500.9	493.8	504.0	524.9	532.4	503.6	478.0	465.8	477.6	482.7
40°	550.5	539.5	529.6	539.9	567.8	578.1	536.0	515.1	510.3	519.0	530.0
42.5°	588.7	581.6	568.6	569.4	588.0	592.7	558.7	546.5	541.8	555.6	561.2
45°	615.9	609.3	597.0	596.3	610.4	607.2	576.9	568.6	571.4	580.4	583.2
47.5°	629.7	633.3	626.2	628.1	635.6	628.1	604.1	604.1	597.8	603.3	600.6
50°	669.5	658.5	667.5	667.5	675.4	676.2	652.2	643.5	626.6	617.1	617.1
52.5°	716.1	716.8	720.4	733.4	746.7	758.2	723.9	686.8	658.5	646.3	644.7
55°	754.3	762.1	776.3	800.8	839.4	855.1	796.0	729.8	695.1	676.2	672.3
56°	775.1	767.7	792.1	825.6	876.0	896.5	807.8	738.4	700.2	678.9	678.5
57.5°	755.0	763.3	780.3	833.0	894.9	921.7	812.1	734.5	679.7	658.1	660.1
60°	596.3	604.1	626.9	686.1	783.0	803.9	687.2	605.7	556.8	525.7	526.1
62.5°	337.3	343.3	361.0	415.8	476.1	496.1	428.4	374.0	340.1	322.8	317.2
65°	124.1	121.8	124.5	152.5	189.6	206.5	178.1	150.6	132.8	126.5	124.1
67.5°	46.5	43.0	40.2	43.0	53.9	57.2	52.4	43.8	41.0	42.2	43.0
70°	28.7	27.2	21.7	20.5	20.1	19.7	20.9	22.1	25.2	29.5	30.4
72.5°	20.1	18.9	15.3	14.6	13.8	13.4	15.3	16.9	19.7	22.9	23.3
75°	7.9	8.3	7.9	8.7	9.1	9.5	11.0	12.2	13.4	13.4	13.0
77.5°	1.6	1.6	2.3	3.1	3.9	5.1	7.5	8.7	9.1	8.7	7.5
80°	0.0	0.0	0.8	1.6	3.1	4.3	6.7	7.5	8.3	7.5	5.9
82.5°	0.0	0.0	0.8	2.0	3.1	3.9	6.3	7.9	9.1	8.3	6.3
85°	0.0	0.0	0.8	1.6	2.3	2.7	2.7	2.0	2.0	1.2	0.8
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)