

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: P526223

Luminaire Tested: **GALN-SA1A-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526223
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-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 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: 1918 lumens
Efficiency: N/A
Efficacy: 58.1 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): 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

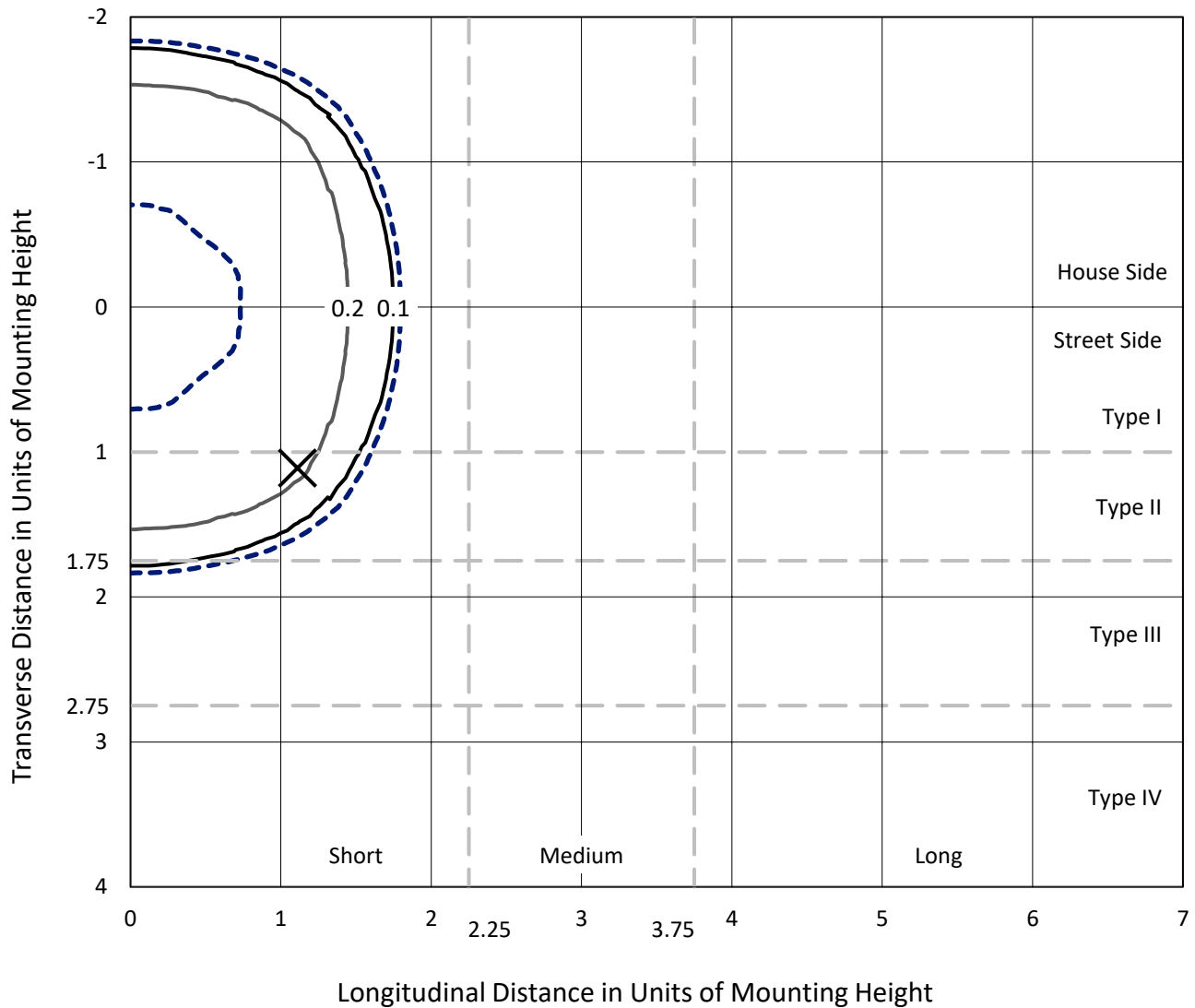


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

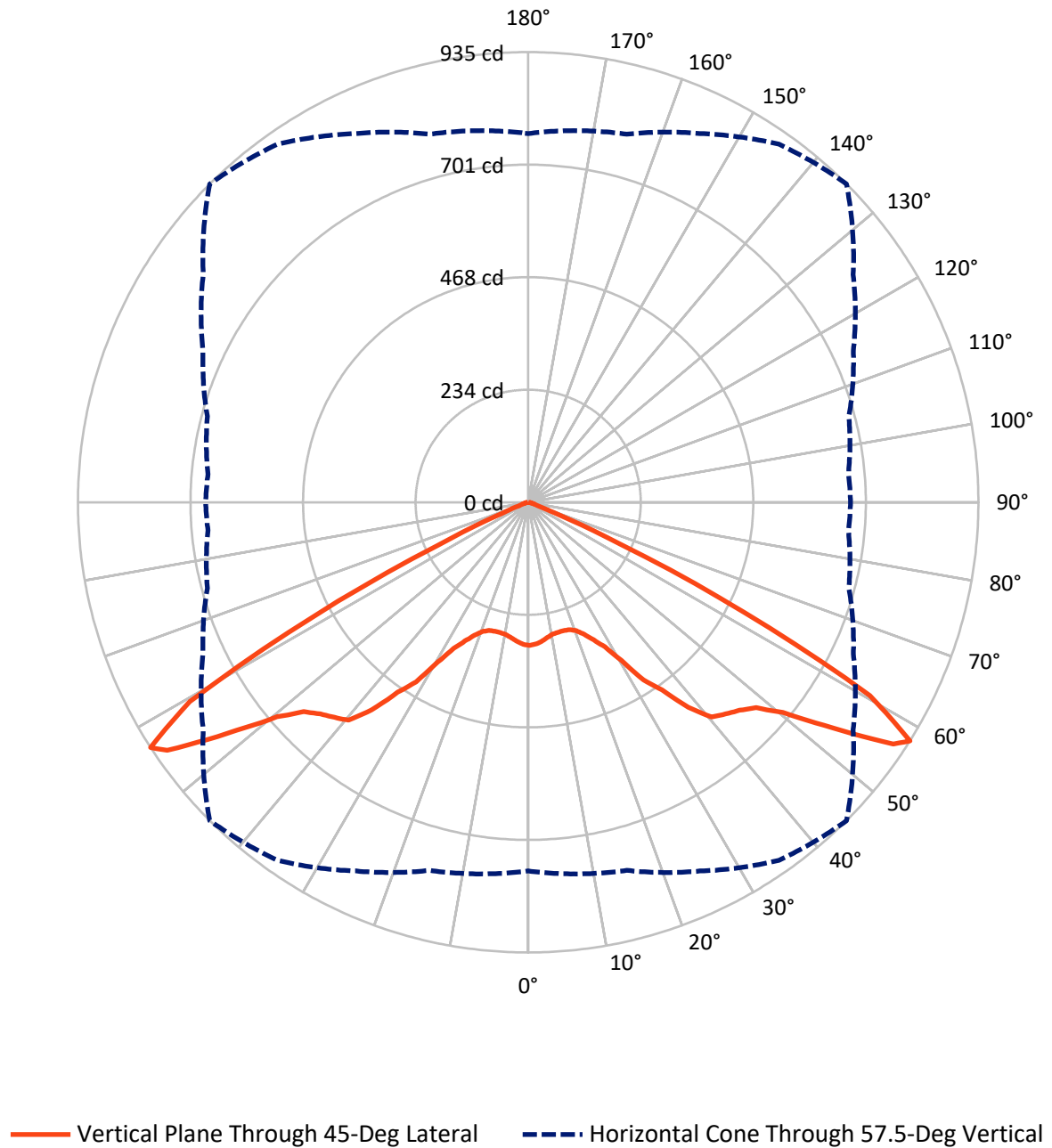


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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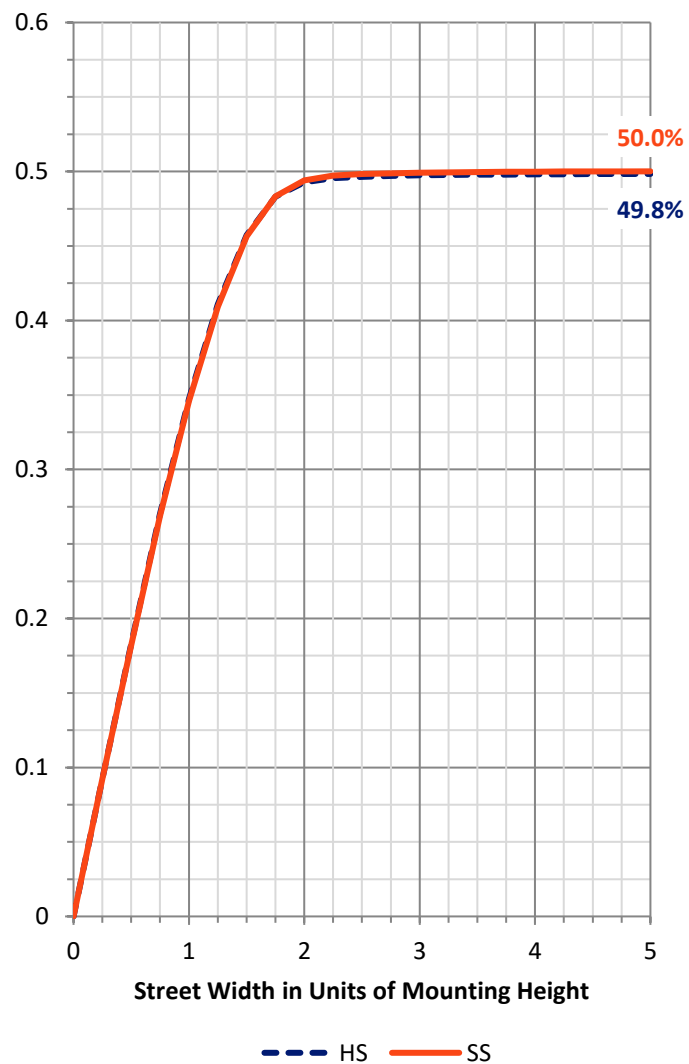
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	959.0	0.0	959.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	959.0	0.0	959.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	1918.0	0.0	1918.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.3	1.4
10°-20°	79.0	4.1
20°-30°	145.9	7.6
30°-40°	286.9	15.0
40°-50°	467.2	24.4
50°-60°	666.3	34.7
60°-70°	230.7	12.0
70°-80°	12.4	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°	1918.0	100.0
0°-180°	1918.0	100.0

Coefficient of Utilization



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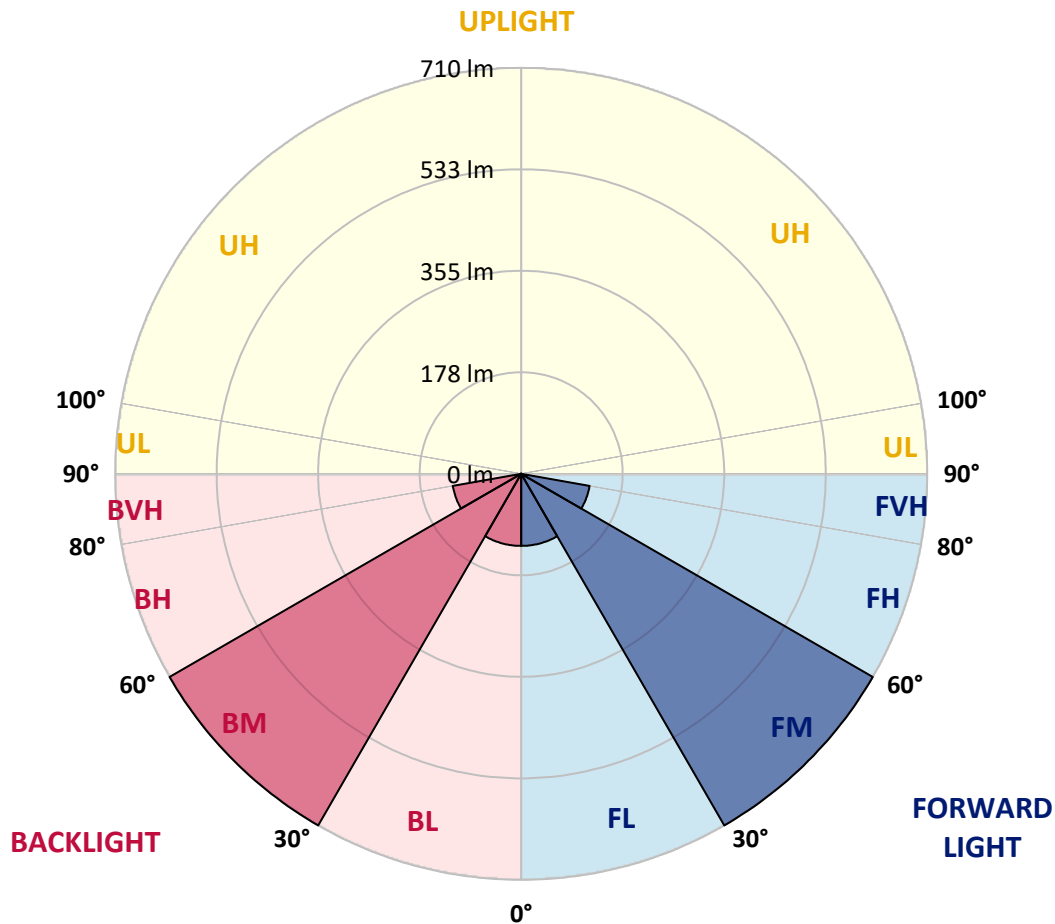
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	126.1	6.6			
FM	(30°-60°)	710.2	37.0			
FH	(60°-80°)	121.5	6.3			G0/660
FVH	(80°-90°)	1.2	0.1			G0/10
BL	(0°-30°)	126.1	6.6	B1/500		
BM	(30°-60°)	710.2	37.0	B1/1000		
BH	(60°-80°)	121.5	6.3	B1/500		G0/660
BVH	(80°-90°)	1.2	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°	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5	297.5
2.5°	296.7	298.3	296.3	295.5	295.1	295.1	293.9	293.9	293.5	293.9	292.3
5°	291.9	293.5	293.5	293.1	290.7	290.3	289.1	288.3	288.7	287.1	288.3
7.5°	287.1	288.3	286.7	286.3	285.5	283.9	283.5	279.9	280.3	280.3	281.1
10°	286.3	285.9	283.5	281.5	279.1	278.7	277.5	276.7	276.7	276.3	277.5
12.5°	286.3	284.3	283.9	279.5	275.5	277.1	273.9	271.9	274.7	275.5	277.1
15°	285.9	287.9	281.1	279.1	276.3	276.7	273.9	271.9	273.5	274.3	275.5
17.5°	288.3	287.1	285.1	281.1	279.9	278.3	274.7	273.1	273.1	275.1	275.5
20°	294.7	291.5	287.5	285.5	286.7	284.7	280.3	274.3	275.9	277.5	278.7
22.5°	300.7	298.3	295.5	294.3	301.1	297.9	290.3	283.5	281.1	283.9	285.9
25°	312.3	312.3	307.1	308.7	316.3	316.7	307.9	295.9	294.3	295.5	296.3
27.5°	335.9	337.1	332.7	334.3	337.5	340.3	332.7	322.7	319.1	318.7	319.9
30°	361.5	363.9	363.5	370.3	379.5	381.1	369.9	353.5	342.7	340.7	342.3
32.5°	395.1	396.3	395.5	403.5	428.3	439.9	410.7	387.5	373.1	376.7	373.1
35°	458.2	457.0	448.3	449.9	470.2	478.6	450.7	435.9	429.1	436.3	434.7
37.5°	512.6	508.2	501.0	511.4	532.6	540.2	511.0	485.0	472.6	484.6	489.8
40°	558.6	547.4	537.4	547.8	576.2	586.6	543.8	522.6	517.8	526.6	537.8
42.5°	597.4	590.2	577.0	577.8	596.6	601.4	567.0	554.6	549.8	563.8	569.4
45°	625.0	618.2	605.8	605.0	619.4	616.2	585.4	577.0	579.8	589.0	591.8
47.5°	639.0	642.6	635.4	637.4	645.0	637.4	613.0	613.0	606.6	612.2	609.4
50°	679.4	668.2	677.4	677.4	685.4	686.2	661.8	653.0	635.8	626.2	626.2
52.5°	726.6	727.4	731.0	744.2	757.8	769.3	734.6	697.0	668.2	655.8	654.2
55°	765.3	773.3	787.7	812.5	851.7	867.7	807.7	740.6	705.4	686.2	682.2
56°	786.5	778.9	803.7	837.7	888.9	909.7	819.7	749.4	710.6	689.0	688.6
57.5°	766.1	774.5	791.7	845.3	908.1	935.3	824.1	745.4	689.8	667.8	669.8
60°	605.0	613.0	636.2	696.2	794.5	815.7	697.4	614.6	565.0	533.4	533.8
62.5°	342.3	348.3	366.3	421.9	483.0	503.4	434.7	379.5	345.1	327.5	321.9
65°	126.0	123.6	126.4	154.7	192.3	209.5	180.7	152.7	134.8	128.4	126.0
67.5°	47.2	43.6	40.8	43.6	54.8	58.0	53.2	44.4	41.6	42.8	43.6
70°	29.2	27.6	22.0	20.8	20.4	20.0	21.2	22.4	25.6	30.0	30.8
72.5°	20.4	19.2	15.6	14.8	14.0	13.6	15.6	17.2	20.0	23.2	23.6
75°	8.0	8.4	8.0	8.8	9.2	9.6	11.2	12.4	13.6	13.6	13.2
77.5°	1.6	1.6	2.4	3.2	4.0	5.2	7.6	8.8	9.2	8.8	7.6
80°	0.0	0.0	0.8	1.6	3.2	4.4	6.8	7.6	8.4	7.6	6.0
82.5°	0.0	0.0	0.8	2.0	3.2	4.0	6.4	8.0	9.2	8.4	6.4
85°	0.0	0.0	0.8	1.6	2.4	2.8	2.8	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)