

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: P526219

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526219
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
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-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2207 lumens
Efficiency: N/A
Efficacy: 66.9 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

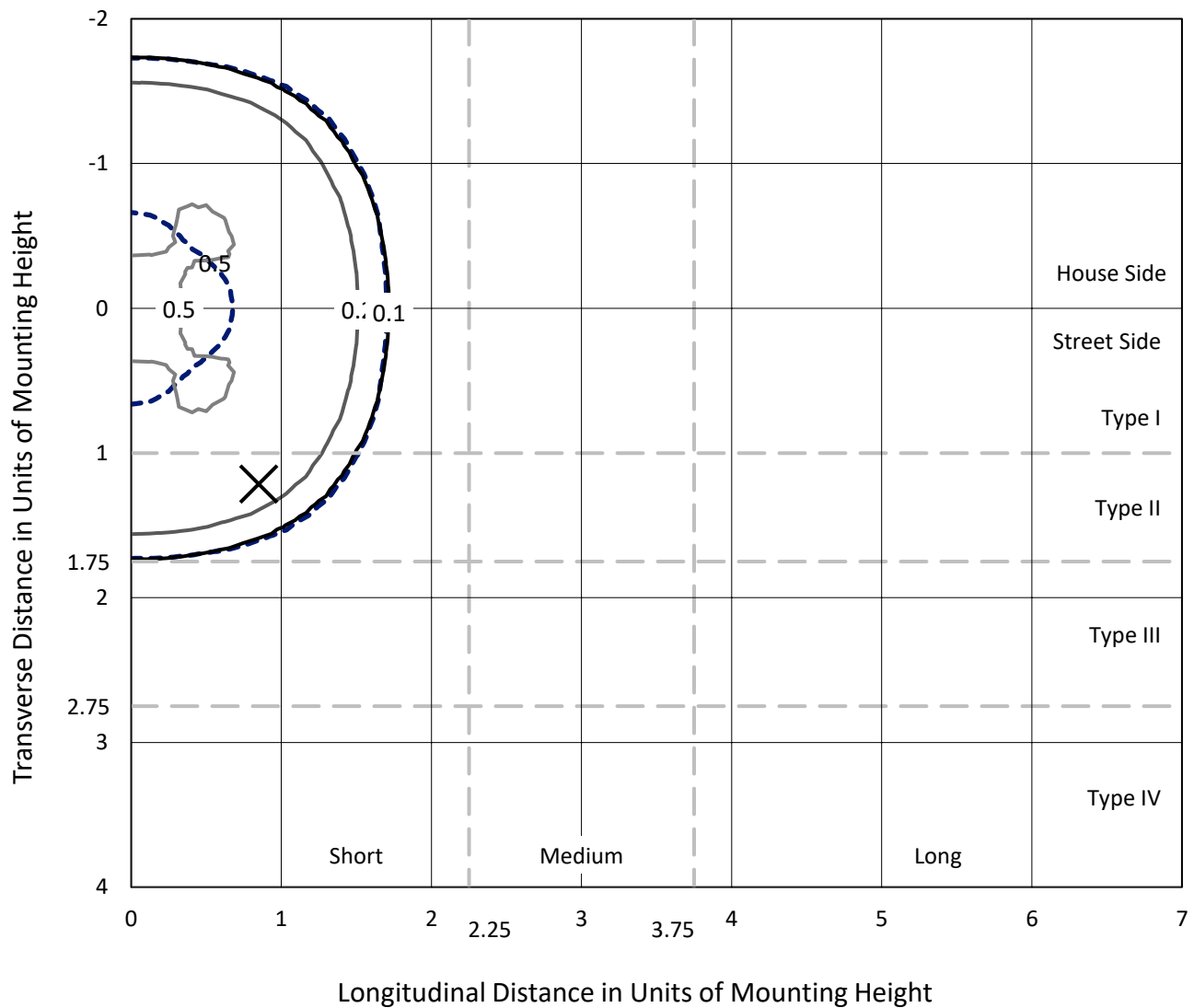
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

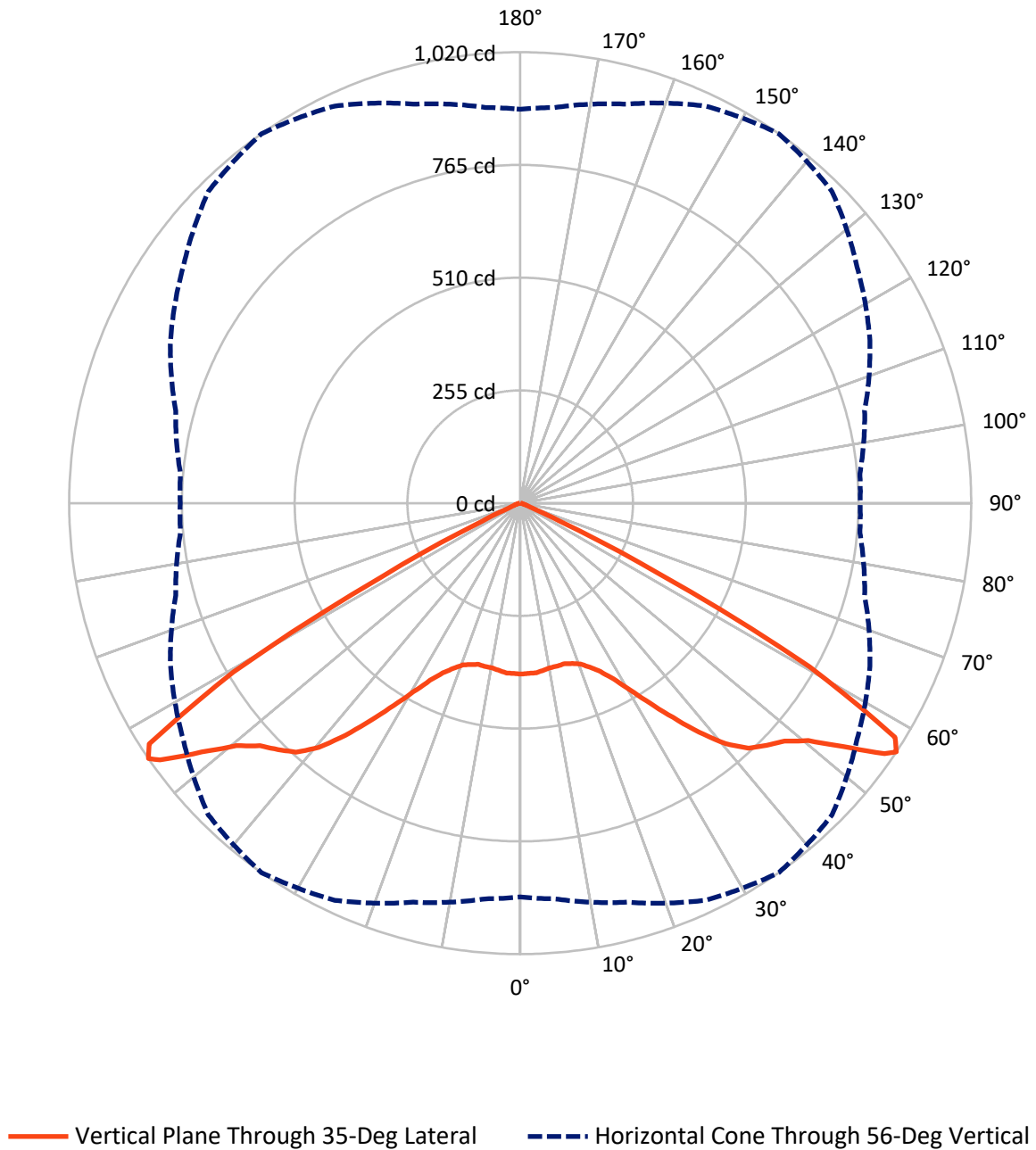
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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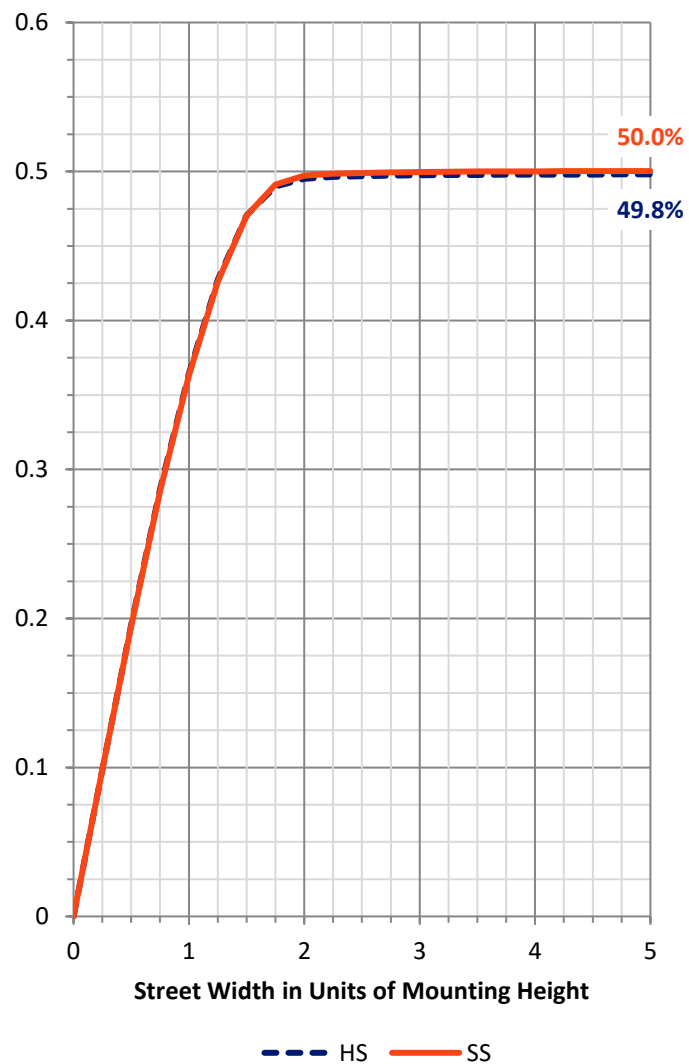
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.5	0.0	1103.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1103.5	0.0	1103.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2207.0	0.0	2207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.3	1.6
10°-20°	106.1	4.8
20°-30°	192.1	8.7
30°-40°	356.3	16.1
40°-50°	584.8	26.5
50°-60°	753.5	34.1
60°-70°	166.1	7.5
70°-80°	9.6	0.4
80°-90°	2.0	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°	2207.0	100.0
0°-180°	2207.0	100.0

Coefficient of Utilization



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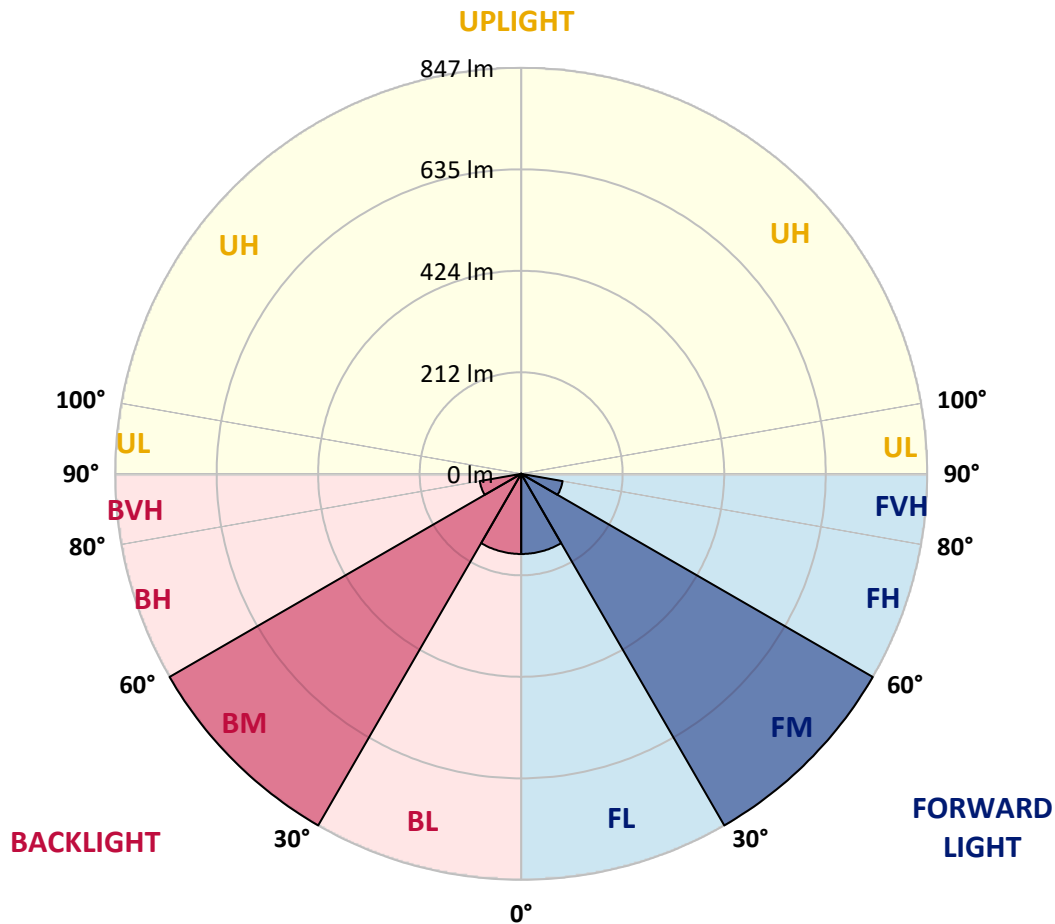
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.3	7.6			
FM	(30°-60°)	847.3	38.4			
FH	(60°-80°)	87.9	4.0			G0/660
FVH	(80°-90°)	1.0	0.0			G0/10
BL	(0°-30°)	167.3	7.6	B1/500		
BM	(30°-60°)	847.3	38.4	B1/1000		
BH	(60°-80°)	87.9	4.0	B0/110		G0/660
BVH	(80°-90°)	1.0	0.0			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°	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7	386.7
2.5°	387.5	387.5	387.9	388.3	385.5	384.3	384.7	383.9	383.5	384.7	384.7
5°	386.3	386.3	385.1	385.5	385.5	381.9	381.9	382.7	382.7	380.3	379.5
7.5°	383.1	382.3	380.7	382.7	381.5	378.7	376.7	375.9	377.5	375.9	375.9
10°	376.3	376.7	378.3	379.1	378.3	380.7	375.9	373.1	370.3	369.1	369.1
12.5°	373.1	375.5	373.1	375.1	377.9	375.9	373.1	371.1	367.1	365.5	365.5
15°	372.7	374.3	375.1	377.9	376.7	377.5	371.9	369.5	363.5	360.7	359.5
17.5°	372.3	374.3	375.5	380.7	381.5	381.9	377.5	370.3	365.1	362.3	359.5
20°	376.7	377.5	379.9	385.1	388.3	393.9	385.9	378.3	367.1	363.9	362.7
22.5°	382.3	386.3	388.7	394.3	402.7	407.5	397.1	387.5	375.9	371.9	367.1
25°	400.3	399.5	403.5	415.1	421.9	425.5	417.1	403.1	387.9	383.1	383.9
27.5°	422.7	423.5	427.1	439.9	449.9	455.5	445.5	427.1	412.3	404.3	403.5
30°	451.9	451.1	455.1	472.3	490.3	498.7	481.1	459.5	445.1	434.7	437.1
32.5°	482.7	483.1	494.3	509.9	539.1	555.5	527.1	500.7	479.1	471.9	468.3
35°	528.3	530.3	539.1	563.1	595.5	616.7	585.5	553.9	529.1	515.9	517.5
37.5°	584.7	582.7	597.5	623.5	657.5	673.1	646.7	610.7	585.5	576.7	582.3
40°	644.7	646.7	654.3	677.8	715.8	726.2	687.0	667.5	645.5	641.1	647.9
42.5°	704.6	703.4	709.0	730.2	757.8	750.6	727.4	715.8	700.2	691.4	700.6
45°	748.6	746.6	757.0	771.4	781.4	767.8	757.4	753.4	745.4	735.8	744.2
47.5°	791.4	789.8	799.8	803.8	804.6	786.6	788.6	795.8	775.8	755.8	765.4
50°	827.8	825.0	837.4	846.2	844.2	815.4	822.6	815.4	784.2	760.6	757.0
52.5°	888.6	889.8	903.0	919.0	914.2	890.2	879.8	847.0	807.0	785.8	773.4
55°	927.0	921.0	943.8	994.6	1000.2	975.4	929.4	881.0	821.0	795.0	791.8
56°	891.0	898.6	934.6	991.4	1020.2	997.4	930.6	872.6	806.6	771.4	769.0
57.5°	799.4	795.4	844.2	921.8	1000.2	990.6	897.8	812.6	735.8	696.2	691.4
60°	497.5	509.1	551.9	647.9	752.6	757.4	665.5	592.3	502.7	467.5	475.9
62.5°	194.8	184.8	211.6	283.1	355.1	371.1	336.3	279.5	229.5	194.8	192.4
65°	45.2	44.0	49.6	68.4	95.6	110.8	105.2	75.6	55.6	52.8	48.8
67.5°	25.6	25.6	24.4	24.4	26.8	28.4	27.2	26.8	28.0	29.2	28.8
70°	18.0	17.6	16.8	17.2	16.4	16.4	17.6	19.6	21.2	21.2	21.6
72.5°	10.8	10.8	10.8	12.0	12.0	12.0	13.2	14.8	15.2	14.8	14.4
75°	4.8	4.8	5.6	6.8	7.6	8.0	9.2	10.0	10.8	10.0	9.2
77.5°	1.2	1.2	2.0	2.8	3.6	4.4	6.0	7.2	7.6	7.2	6.0
80°	0.4	0.4	0.8	2.0	3.6	4.4	6.0	6.4	6.8	6.0	4.8
82.5°	0.4	0.4	0.8	2.0	2.8	3.6	4.8	5.6	6.0	5.2	4.8
85°	0.0	0.4	0.8	1.6	2.4	3.2	3.2	2.4	2.0	1.2	1.6
87.5°	0.0	0.0	0.4	0.4	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)