

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: P530800

Luminaire Tested: **GALN-SA6A-740-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530800
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-SA6A-740-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23006 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

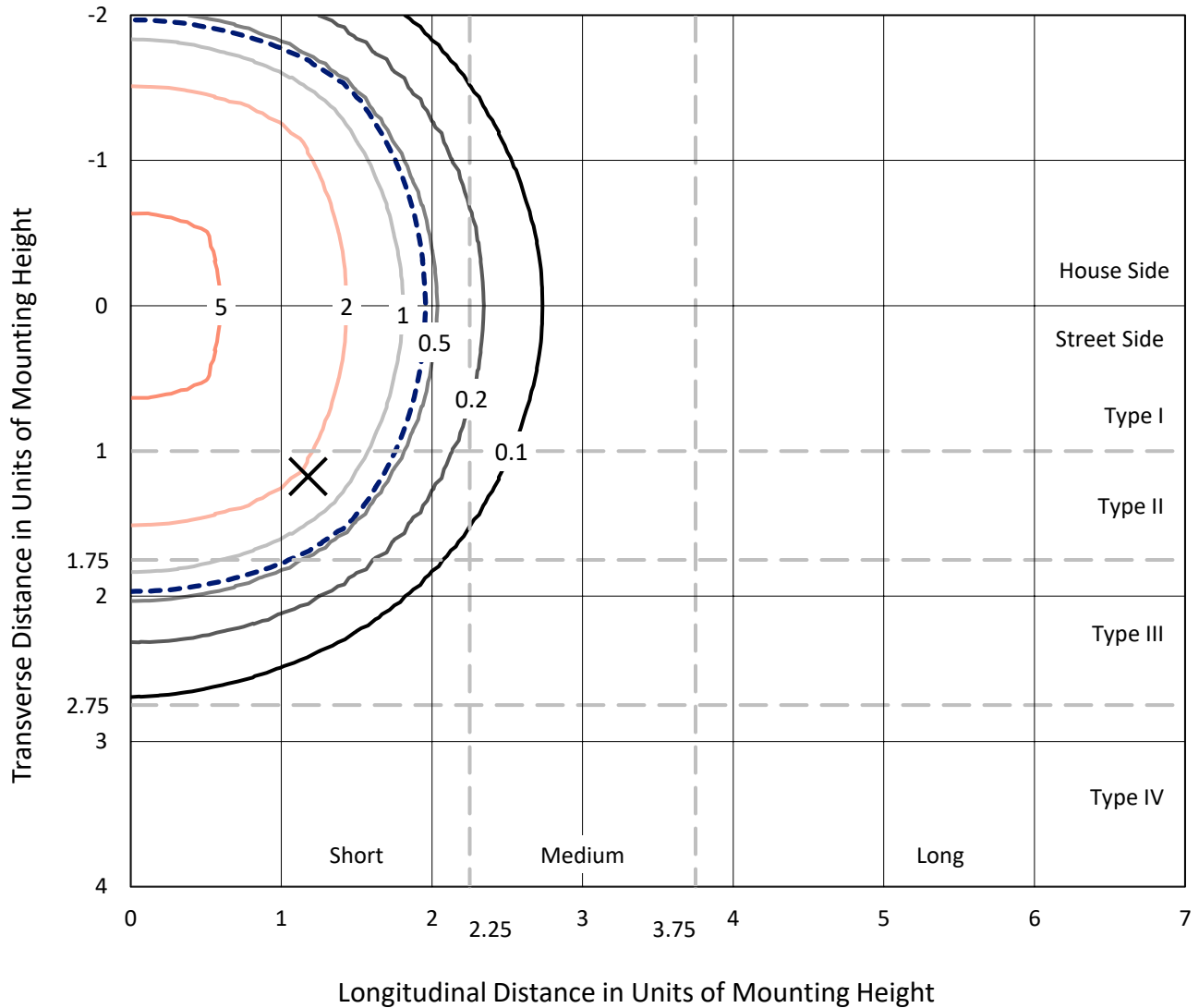
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

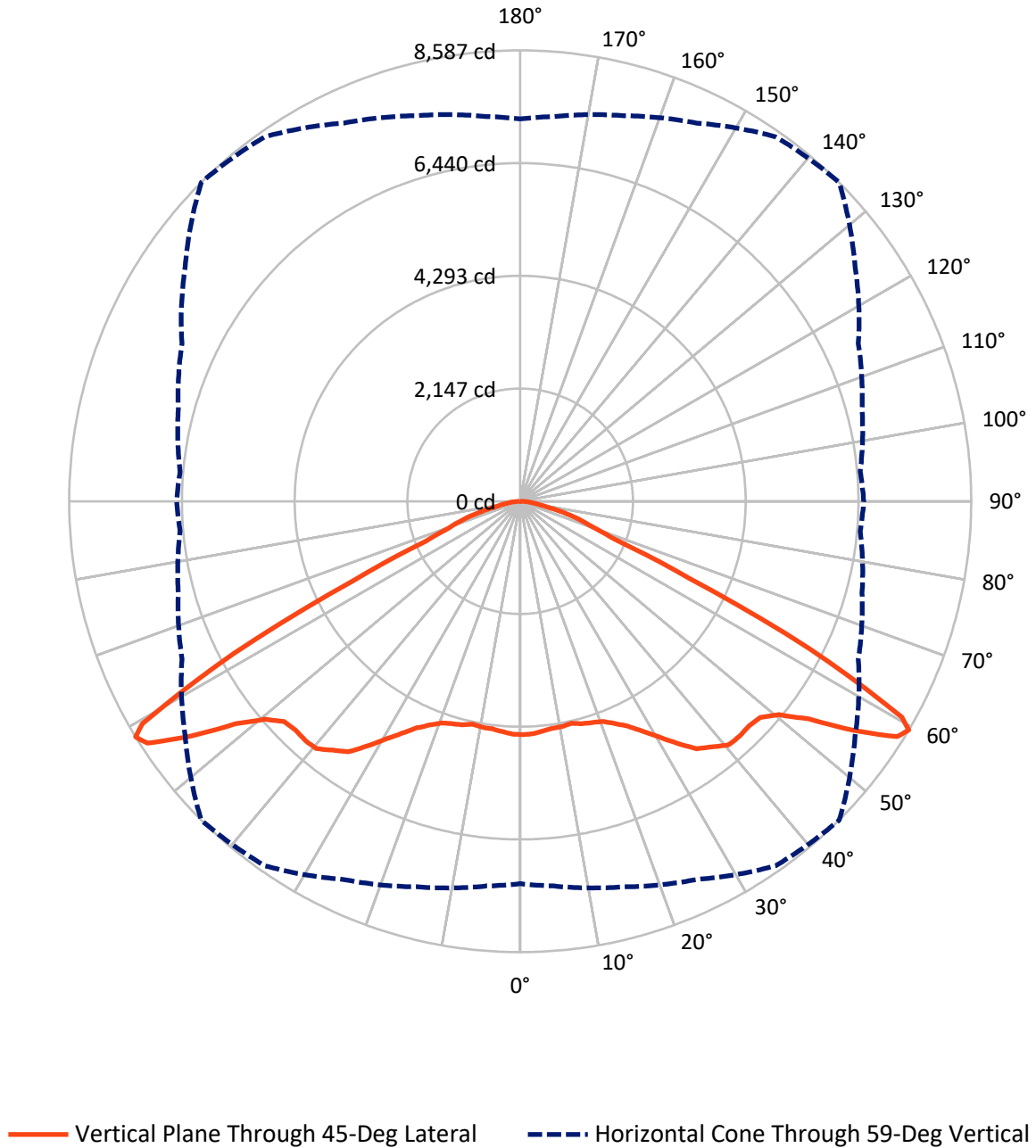
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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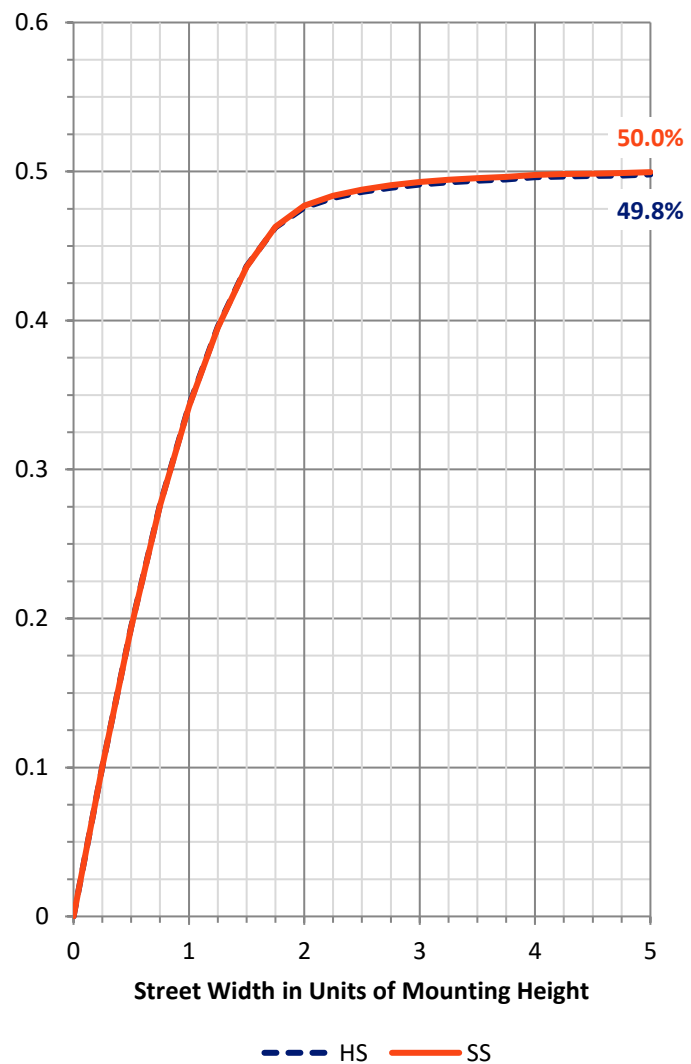
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11503.0	0.0	11503.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11503.0	0.0	11503.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23006.0	0.0	23006.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.9	1.8
10°-20°	1245.7	5.4
20°-30°	2175.2	9.5
30°-40°	3474.1	15.1
40°-50°	4732.4	20.6
50°-60°	6399.4	27.8
60°-70°	3509.4	15.3
70°-80°	897.8	3.9
80°-90°	153.1	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°	23006.0	100.0
0°-180°	23006.0	100.0

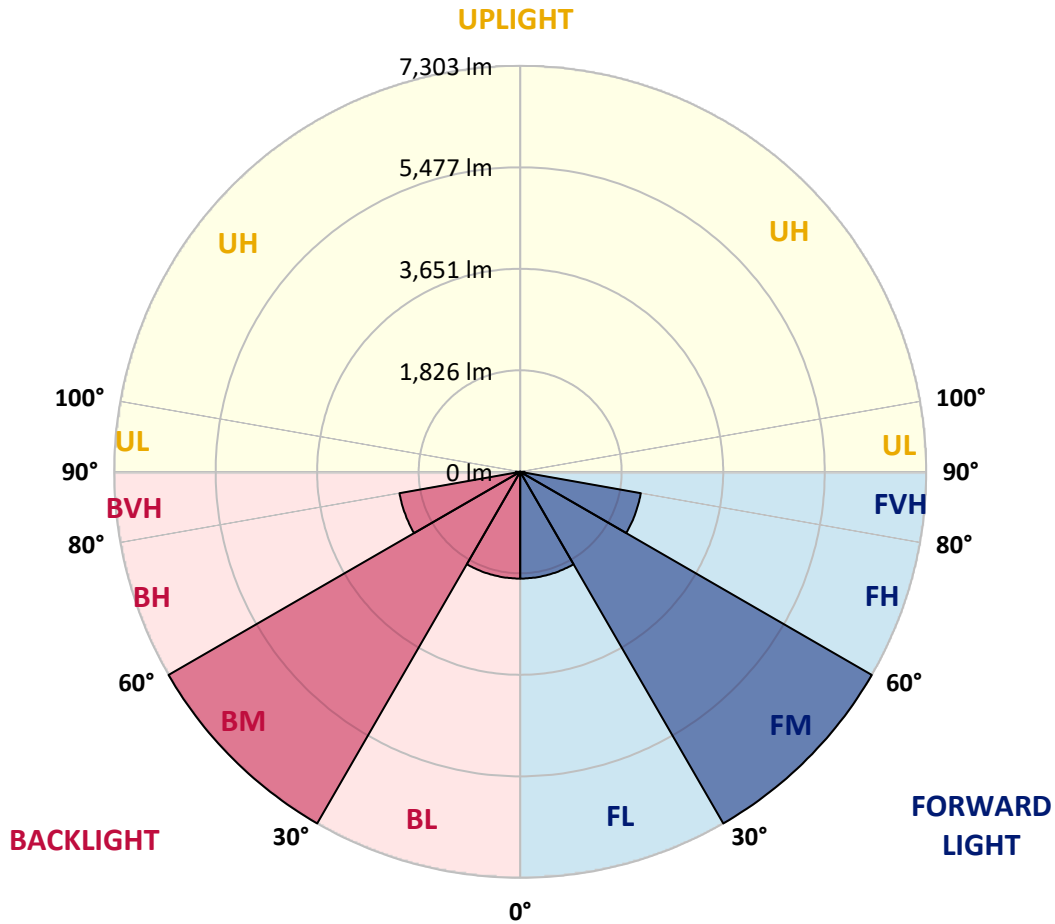


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1919.9	8.3			
FM (30°-60°)	7302.9	31.7			
FH (60°-80°)	2203.6	9.6			G2/5000
FVH (80°-90°)	76.6	0.3			G1/100
BL (0°-30°)	1919.9	8.3	B3/2500		
BM (30°-60°)	7302.9	31.7	B4/8500		
BH (60°-80°)	2203.6	9.6	B3/2500		G2/5000
BVH (80°-90°)	76.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7	4443.7
2.5°	4417.1	4449.6	4426.0	4446.6	4443.7	4434.8	4420.1	4411.2	4399.4	4417.1	4387.6
5°	4399.4	4426.0	4452.5	4417.1	4417.1	4399.4	4390.6	4372.9	4372.9	4369.9	4367.0
7.5°	4428.9	4402.4	4390.6	4396.5	4402.4	4364.0	4390.6	4355.2	4325.7	4346.4	4369.9
10°	4402.4	4414.2	4369.9	4390.6	4358.1	4364.0	4346.4	4369.9	4337.5	4337.5	4337.5
12.5°	4428.9	4396.5	4411.2	4396.5	4387.6	4337.5	4361.1	4334.6	4331.6	4361.1	4334.6
15°	4482.0	4428.9	4417.1	4387.6	4396.5	4396.5	4372.9	4375.8	4343.4	4361.1	4367.0
17.5°	4464.3	4434.8	4426.0	4390.6	4420.1	4428.9	4384.7	4355.2	4375.8	4372.9	4369.9
20°	4479.0	4490.8	4482.0	4487.9	4499.7	4476.1	4434.8	4393.5	4367.0	4405.3	4402.4
22.5°	4573.4	4561.6	4555.7	4549.8	4570.5	4594.0	4538.0	4473.1	4473.1	4499.7	4511.5
25°	4650.1	4647.1	4644.2	4670.7	4741.5	4741.5	4670.7	4588.1	4567.5	4585.2	4570.5
27.5°	4762.1	4794.6	4782.8	4829.9	4933.1	4956.7	4862.4	4765.1	4709.0	4688.4	4714.9
30°	5018.7	4980.3	4989.2	5039.3	5130.7	5207.4	5062.9	4959.7	4883.0	4880.1	4891.9
32.5°	5189.7	5219.2	5245.7	5292.9	5437.4	5496.3	5322.4	5154.3	5107.1	5080.6	5089.4
35°	5531.7	5505.2	5499.3	5546.5	5691.0	5788.3	5570.1	5422.6	5360.7	5419.7	5419.7
37.5°	5856.1	5782.4	5726.3	5788.3	5920.9	5932.7	5747.0	5667.4	5634.9	5702.7	5699.8
40°	6009.4	6003.5	5873.8	5909.2	6086.1	6103.8	5929.8	5835.4	5829.5	5918.0	6006.5
42.5°	6168.6	6112.6	5982.9	6006.5	6115.6	6121.5	5956.3	5929.8	5994.7	6080.2	6086.1
45°	6195.2	6148.0	6065.4	6006.5	6086.1	6103.8	6006.5	6024.2	6030.0	6133.3	6133.3
47.5°	6248.3	6242.4	6195.2	6150.9	6165.7	6150.9	6089.0	6115.6	6204.0	6254.1	6230.6
50°	6395.7	6333.8	6380.9	6342.6	6345.6	6386.8	6330.8	6357.4	6339.7	6295.4	6265.9
52.5°	6720.0	6690.6	6731.8	6758.4	6787.9	6882.2	6817.3	6675.8	6543.1	6425.2	6422.2
55°	7194.8	7215.4	7295.0	7430.7	7545.7	7696.1	7383.5	7044.4	6832.1	6646.3	6658.1
57.5°	7643.0	7628.2	7737.3	8046.9	8383.1	8459.8	7846.4	7362.9	7017.9	6899.9	6849.8
59°	7283.2	7354.0	7601.7	7946.7	8474.5	8586.6	7784.5	7103.4	6737.7	6498.9	6540.2
60°	6717.1	6743.6	6964.8	7445.4	8159.0	8350.7	7368.7	6702.3	6215.8	6077.2	6139.1
62.5°	4747.4	4726.7	4886.0	5278.1	5918.0	6177.5	5478.6	5009.8	4703.1	4549.8	4585.2
65°	2524.1	2618.4	2683.3	2928.0	3267.1	3541.4	3252.4	3048.9	2877.9	2751.1	2748.2
67.5°	1704.3	1692.5	1707.3	1763.3	1878.3	1955.0	1949.1	1845.9	1831.1	1807.5	1834.1
70°	1436.0	1430.1	1403.6	1403.6	1427.2	1444.9	1465.5	1477.3	1500.9	1530.4	1527.4
72.5°	1164.7	1150.0	1132.3	1123.4	1152.9	1161.8	1188.3	1200.1	1220.8	1217.8	1244.3
75°	769.6	769.6	790.2	813.8	822.7	840.4	843.3	878.7	878.7	884.6	861.0
77.5°	430.5	418.7	433.5	457.0	477.7	510.1	542.6	569.1	583.8	577.9	577.9
80°	250.6	250.6	265.4	291.9	318.5	347.9	371.5	392.2	406.9	401.0	389.2
82.5°	156.3	156.3	171.0	197.6	218.2	235.9	268.3	294.9	312.6	306.7	291.9
85°	79.6	79.6	97.3	115.0	141.5	153.3	150.4	138.6	135.6	120.9	120.9
87.5°	20.6	20.6	29.5	32.4	26.5	29.5	29.5	29.5	29.5	29.5	32.4
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)