

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: P454889

Luminaire Tested: **GALN-SA6A-740-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P454889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6A-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28301 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

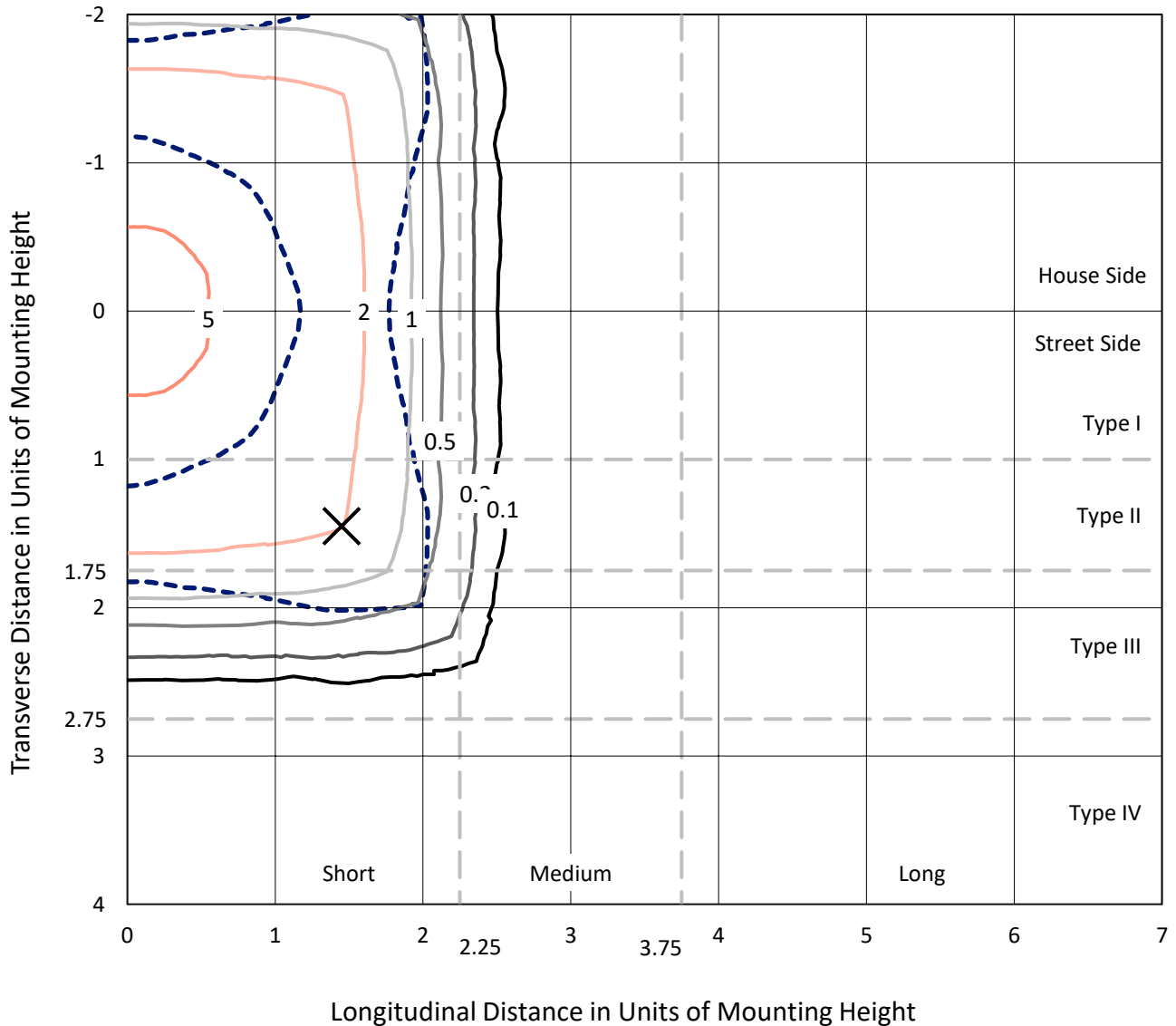
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

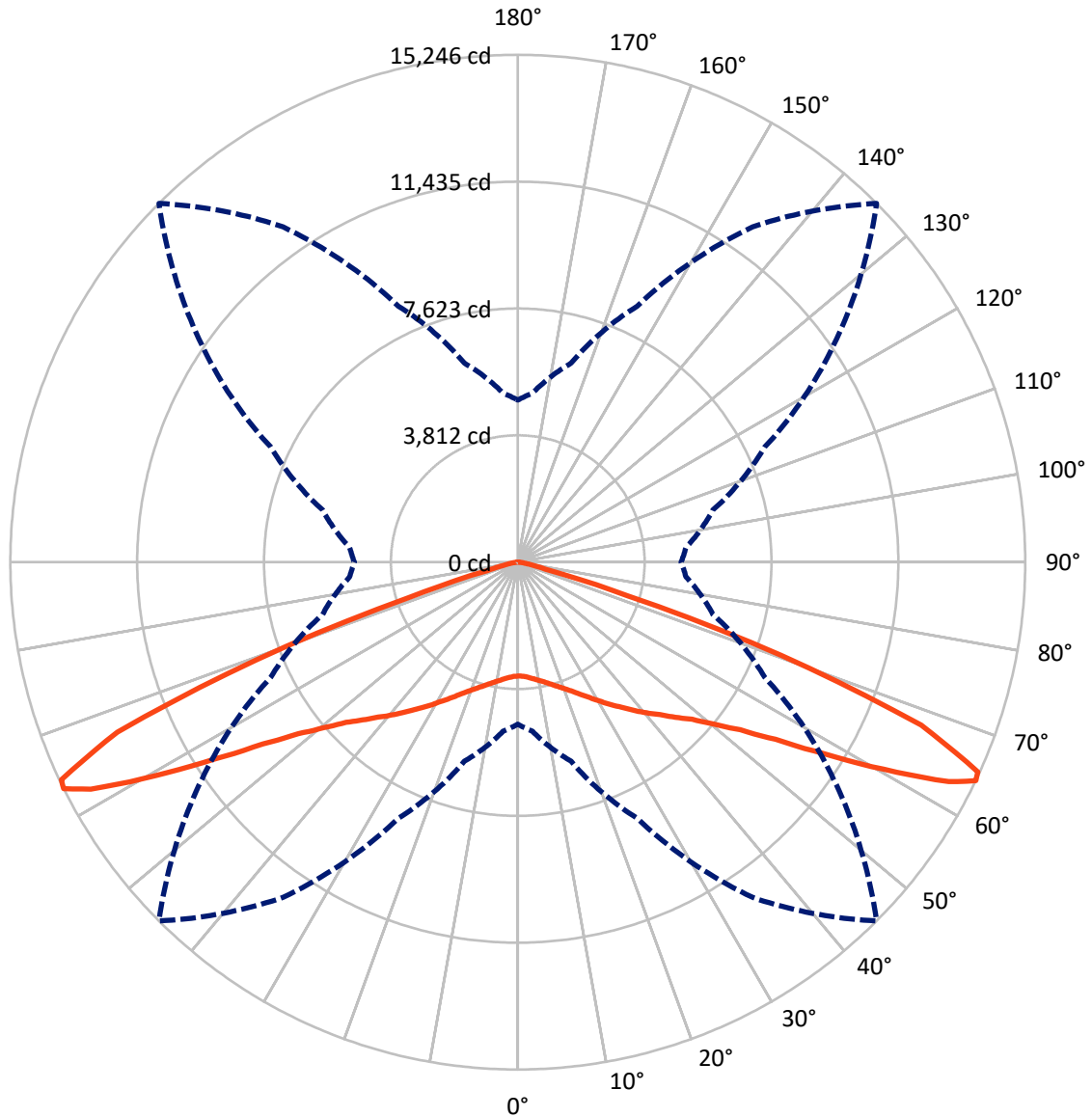
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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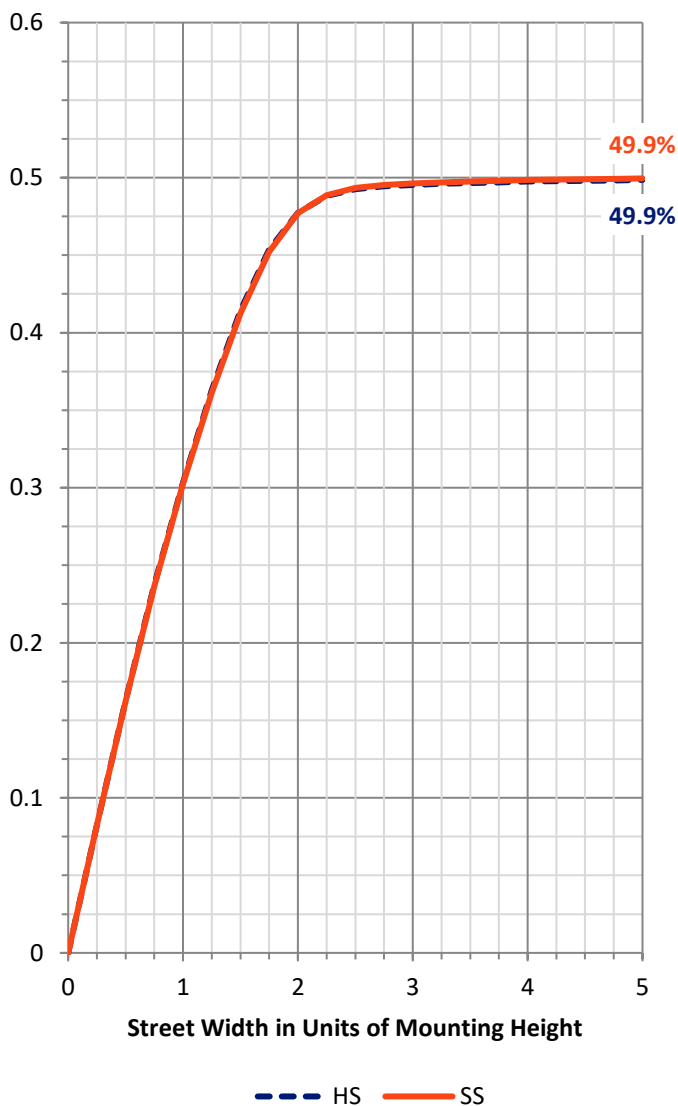
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14150.5	0.0	14150.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14150.5	0.0	14150.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28301.0	0.0	28301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.1	1.2
10°-20°	1084.0	3.8
20°-30°	2048.4	7.2
30°-40°	3392.4	12.0
40°-50°	5296.2	18.7
50°-60°	8187.7	28.9
60°-70°	7060.2	24.9
70°-80°	800.1	2.8
80°-90°	95.9	0.3
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°	28301.0	100.0
0°-180°	28301.0	100.0

Coefficient of Utilization



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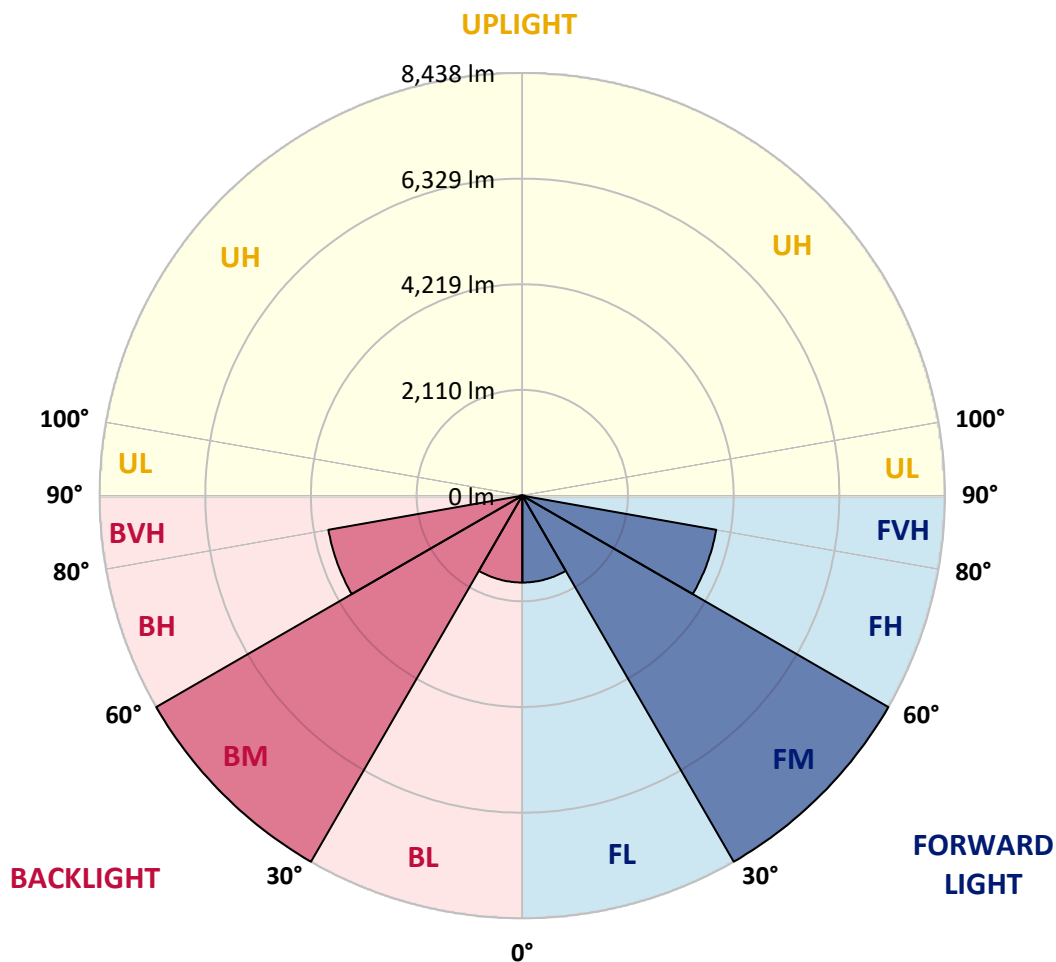
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1734.2	6.1			
FM (30°-60°)	8438.2	29.8			
FH (60°-80°)	3930.1	13.9			G2/5000
FVH (80°-90°)	47.9	0.2			G1/100
BL (0°-30°)	1734.2	6.1	B3/2500		
BM (30°-60°)	8438.2	29.8	B4/8500		
BH (60°-80°)	3930.1	13.9	B4/5000		G2/5000
BVH (80°-90°)	47.9	0.2			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°	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7	3420.7
2.5°	3434.1	3441.6	3435.6	3434.1	3432.6	3432.6	3434.1	3440.1	3444.6	3441.6	3441.6
5°	3477.6	3483.6	3480.6	3479.1	3477.6	3479.1	3476.1	3474.6	3479.1	3479.1	3477.6
7.5°	3531.6	3539.1	3536.1	3539.1	3540.6	3542.1	3534.6	3528.6	3527.1	3531.6	3528.6
10°	3605.0	3611.0	3612.5	3614.0	3617.0	3615.5	3606.5	3596.0	3594.5	3593.0	3591.5
12.5°	3687.5	3692.0	3693.5	3699.5	3704.0	3705.5	3695.0	3686.0	3671.0	3674.0	3668.0
15°	3780.4	3789.4	3787.9	3796.9	3808.9	3811.9	3801.4	3786.4	3772.9	3765.4	3760.9
17.5°	3894.3	3900.3	3897.3	3906.3	3921.3	3928.8	3919.8	3900.3	3886.8	3870.3	3861.3
20°	4029.2	4039.7	4042.7	4042.7	4056.2	4063.7	4050.2	4044.2	4023.2	4011.2	4003.8
22.5°	4182.1	4186.6	4195.6	4204.6	4218.1	4215.1	4210.6	4201.6	4182.1	4171.6	4159.6
25°	4354.5	4359.0	4381.5	4401.0	4405.5	4402.5	4396.5	4392.0	4374.0	4350.0	4341.0
27.5°	4555.4	4564.4	4594.3	4612.3	4612.3	4613.8	4601.8	4616.8	4577.9	4549.4	4546.4
30°	4807.2	4813.2	4838.7	4856.7	4847.7	4840.2	4837.2	4852.2	4810.2	4759.2	4747.2
32.5°	5056.0	5077.0	5099.5	5138.5	5107.0	5093.5	5090.5	5101.0	5053.0	4996.1	4979.6
35°	5322.8	5337.8	5379.8	5412.8	5384.3	5352.8	5366.3	5399.3	5342.3	5265.9	5262.9
37.5°	5618.1	5631.6	5685.6	5720.1	5699.1	5645.1	5667.6	5706.6	5649.6	5555.2	5535.7
40°	5925.4	5953.9	6021.4	6057.3	6022.9	5950.9	5992.9	6034.9	5983.9	5874.5	5831.0
42.5°	6270.2	6315.2	6412.6	6430.6	6364.6	6267.2	6340.6	6408.1	6372.1	6246.2	6229.7
45°	6673.4	6700.4	6820.3	6859.3	6767.9	6646.4	6737.9	6860.8	6833.8	6688.4	6656.9
47.5°	7124.6	7150.1	7274.5	7333.0	7217.5	7054.2	7219.0	7379.4	7362.9	7207.1	7192.1
50°	7658.2	7664.2	7836.6	7902.6	7787.2	7646.3	7793.2	7992.5	7926.6	7727.2	7724.2
52.5°	8242.8	8250.3	8467.7	8595.1	8530.6	8371.8	8545.6	8667.1	8499.2	8238.3	8218.9
55°	8749.5	8787.0	9083.8	9422.5	9511.0	9395.5	9448.0	9391.1	8977.3	8611.6	8554.6
57.5°	8956.4	9029.8	9481.0	10113.6	10689.2	10860.0	10455.3	9912.7	9167.7	8650.6	8595.1
60°	8451.2	8530.6	9230.7	10431.3	11900.3	12642.3	11504.6	10001.1	8734.5	8007.5	7920.6
62.5°	6767.9	6790.3	7820.1	9683.4	12606.3	14528.0	11946.8	9247.2	7473.9	6486.0	6451.6
64°	4870.2	5101.0	6192.2	8490.2	12297.6	15246.0	11692.0	8190.4	6070.8	5071.0	4909.1
65°	3642.5	3705.5	4991.6	7250.5	11753.4	15192.1	11197.3	7180.1	5027.5	3880.8	3701.0
67.5°	1376.1	1383.6	1842.2	3614.0	8367.3	13071.0	8545.6	3906.3	2118.0	1531.9	1476.5
70°	571.1	581.6	676.0	1215.7	3596.0	8392.7	4120.7	1409.0	775.0	628.1	619.1
72.5°	418.2	424.2	452.7	539.6	1106.2	3446.1	1355.1	598.1	454.2	406.2	401.7
75°	328.3	331.3	352.3	397.2	515.6	954.8	563.6	410.7	346.3	311.8	308.8
77.5°	250.3	257.8	272.8	302.8	346.3	452.7	373.2	307.3	266.8	238.3	233.8
80°	172.4	181.4	209.9	221.8	232.3	293.8	254.8	232.3	208.4	173.9	163.4
82.5°	106.4	112.4	140.9	151.4	146.9	164.9	163.4	166.4	148.4	107.9	100.4
85°	55.5	58.5	76.4	79.4	73.4	67.5	83.9	97.4	91.4	61.5	60.0
87.5°	12.0	13.5	16.5	15.0	16.5	16.5	21.0	31.5	33.0	21.0	19.5
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)