

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: P651962

Luminaire Tested: **GALN-SA6A-840-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P651962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22765.9 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

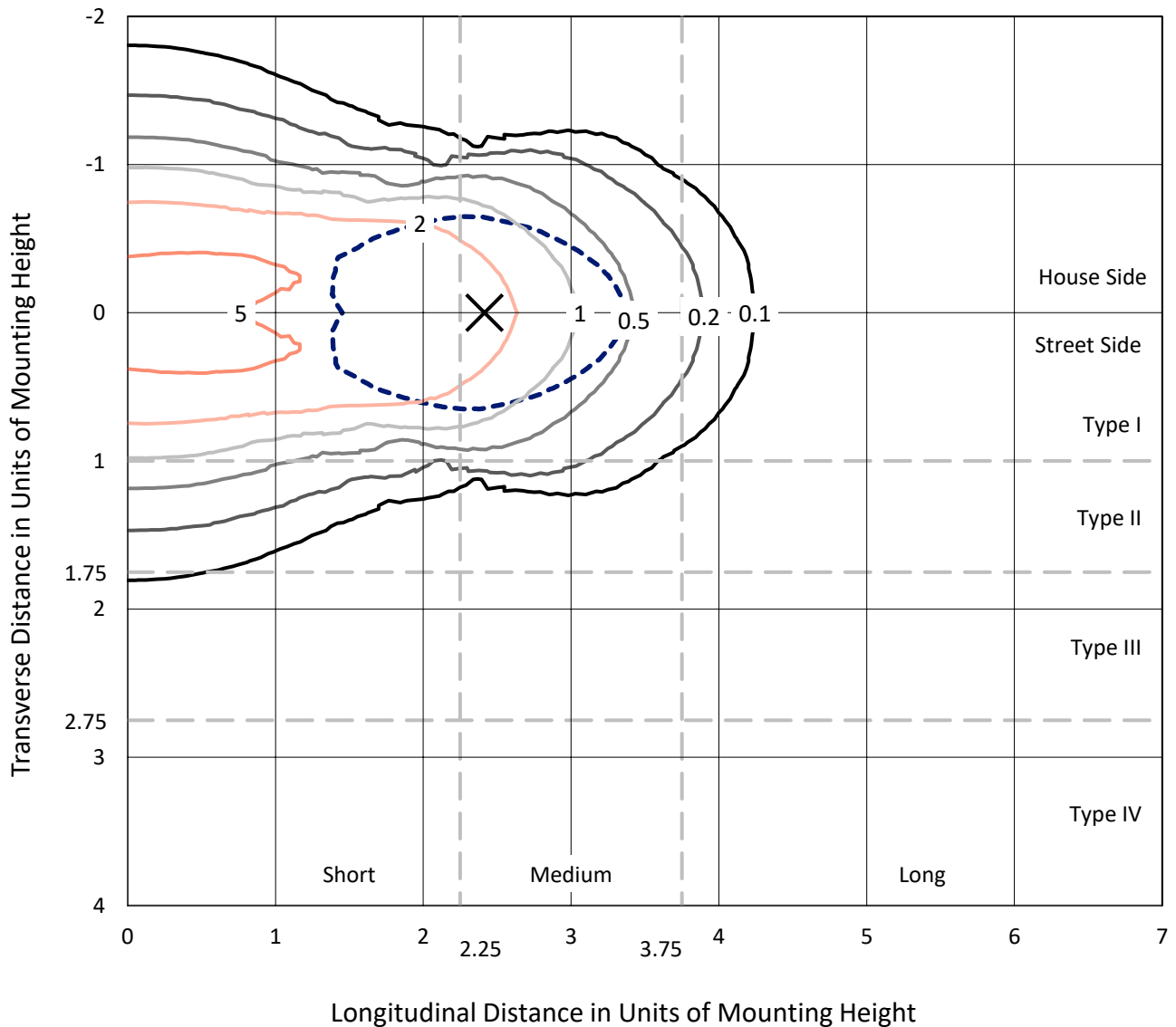
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

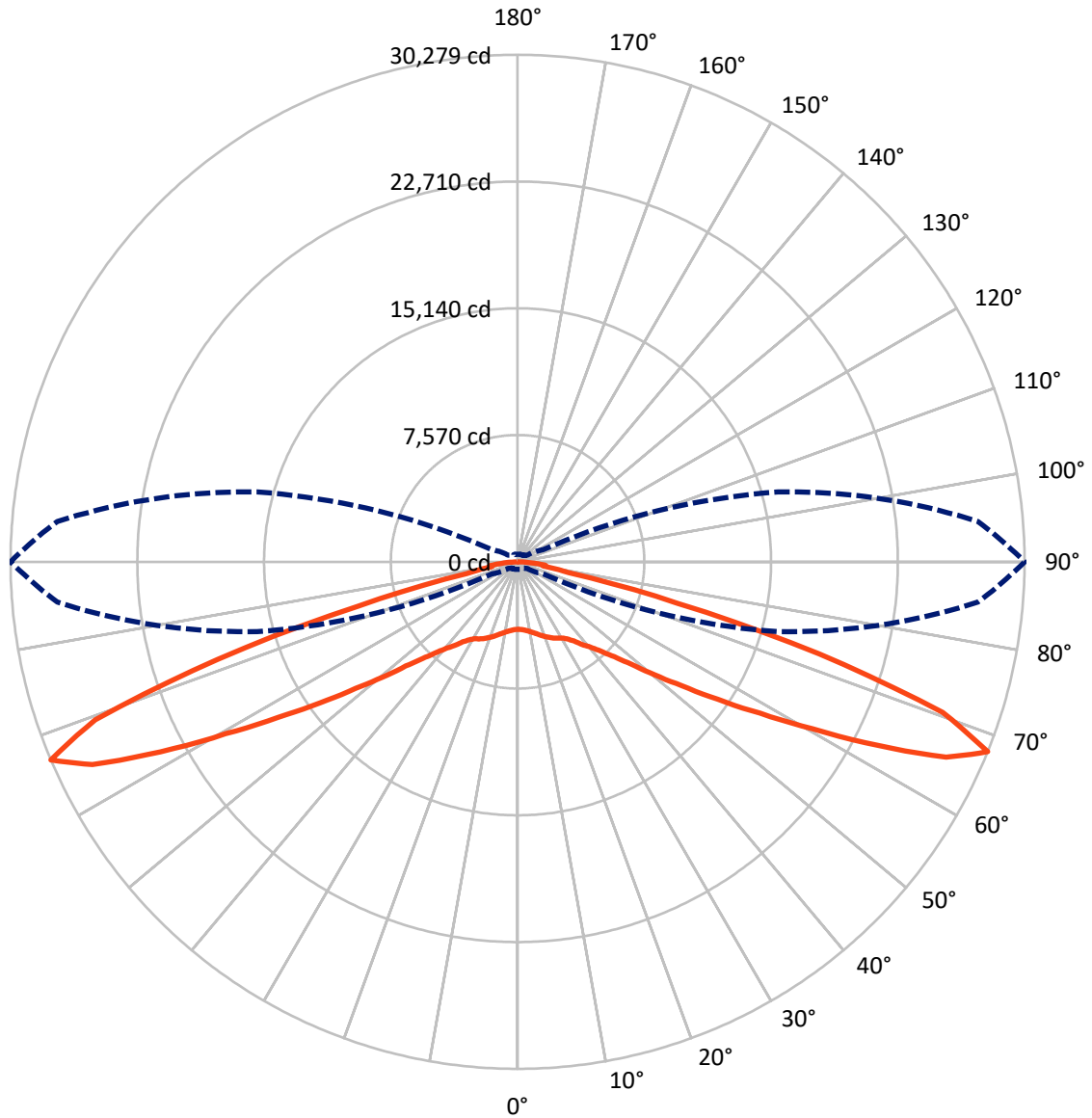
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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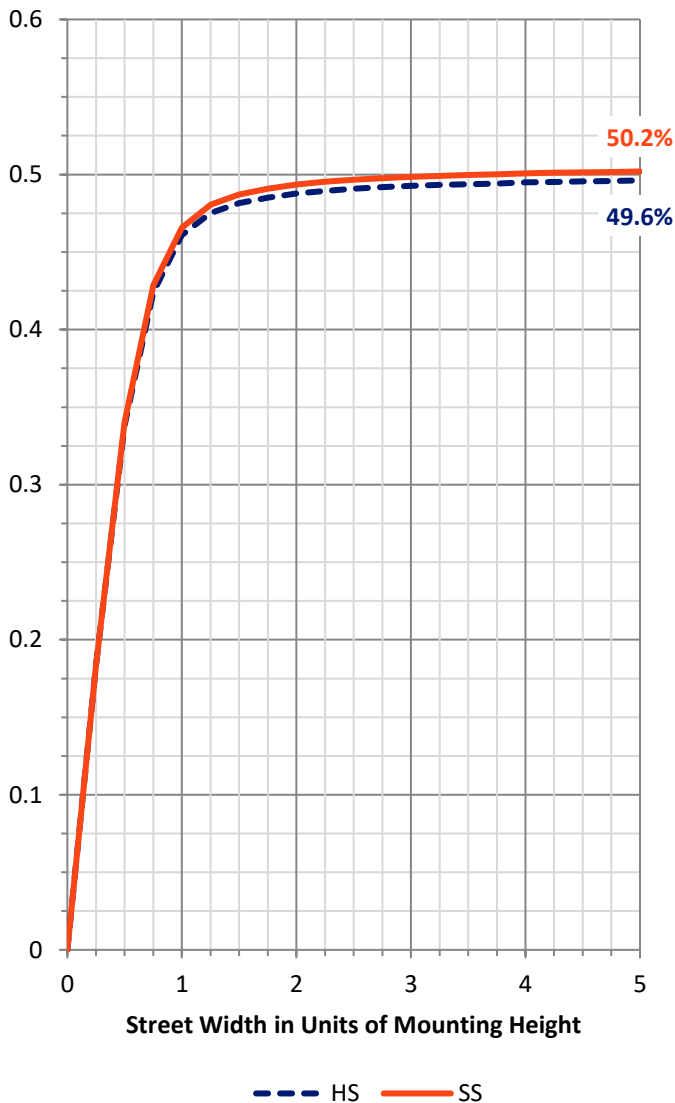
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11382.9	0.0	11382.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11382.9	0.0	11382.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	22765.9	0.0	22765.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.8	1.8
10°-20°	1285.6	5.6
20°-30°	2151.8	9.5
30°-40°	2915.1	12.8
40°-50°	3692.4	16.2
50°-60°	4612.8	20.3
60°-70°	5422.1	23.8
70°-80°	2074.2	9.1
80°-90°	210.1	0.9
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°	22765.9	100.0
0°-180°	22765.9	100.0

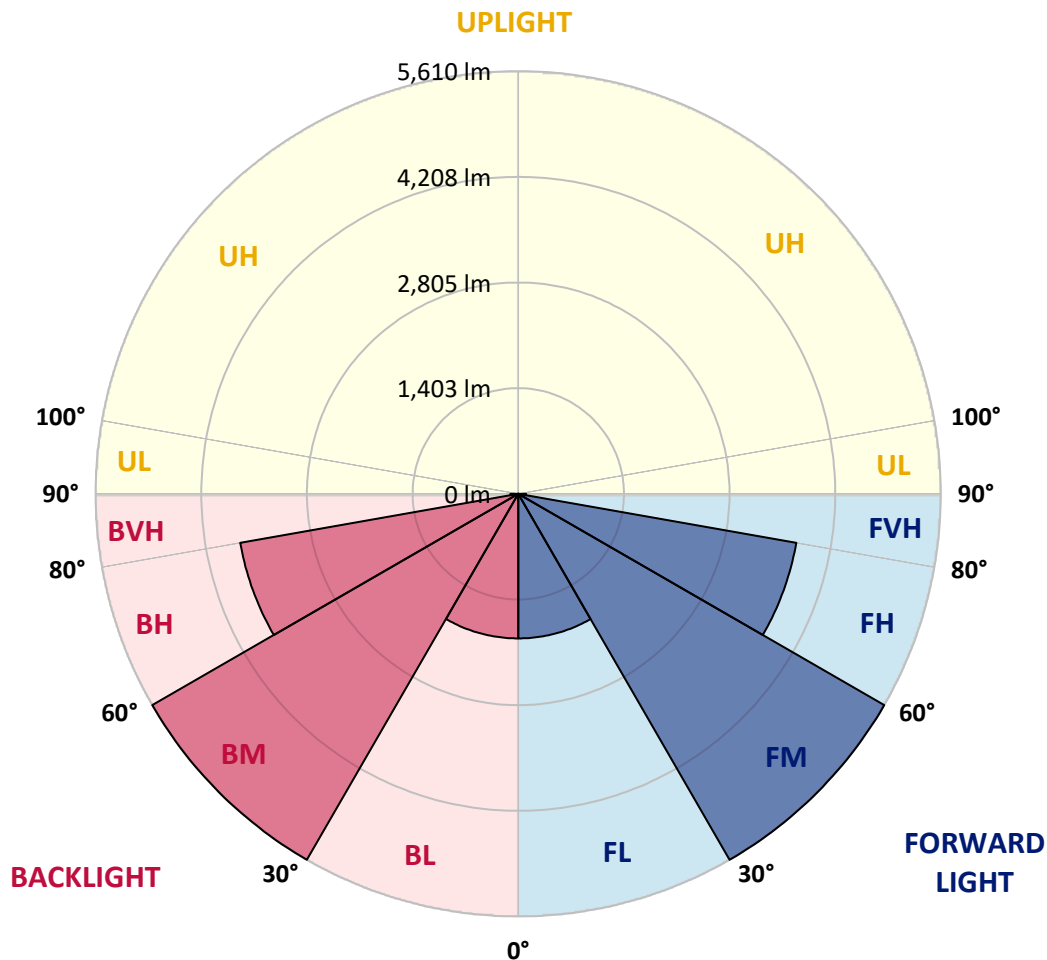


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1919.6	8.4			
FM (30°-60°)	5610.1	24.6			
FH (60°-80°)	3748.1	16.5			G2/5000
FVH (80°-90°)	105.1	0.5			G2/225
BL (0°-30°)	1919.6	8.4	B3/2500		
BM (30°-60°)	5610.1	24.6	B4/8500		
BH (60°-80°)	3748.1	16.5	B4/5000		G4/5000
BVH (80°-90°)	105.1	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2	4030.2
2.5°	4082.0	4079.4	4080.7	4079.4	4083.2	4080.7	4065.6	4052.9	4042.9	4044.1	4040.3
5°	4168.9	4170.2	4171.4	4165.1	4174.0	4168.9	4145.0	4124.9	4104.7	4097.1	4094.6
7.5°	4240.8	4247.1	4250.9	4257.1	4272.3	4272.3	4259.7	4230.7	4186.6	4161.4	4160.1
10°	4312.6	4317.7	4329.0	4349.2	4374.5	4398.3	4393.3	4354.3	4297.5	4254.7	4244.6
12.5°	4337.9	4344.2	4381.9	4440.0	4496.7	4543.3	4543.3	4511.8	4438.7	4373.2	4354.3
15°	4249.7	4260.9	4329.0	4452.6	4601.4	4703.5	4726.2	4682.0	4603.9	4503.0	4480.3
17.5°	4074.4	4102.1	4201.7	4384.5	4631.6	4843.4	4908.9	4887.5	4786.6	4658.0	4631.6
20°	3886.5	3916.8	4022.7	4264.7	4606.4	4925.3	5115.7	5120.7	4996.0	4809.3	4770.2
22.5°	3679.8	3702.5	3838.7	4122.3	4530.7	4944.2	5293.4	5380.4	5211.5	4960.6	4905.1
25°	3447.8	3473.1	3615.5	3921.8	4388.3	4922.8	5456.1	5647.7	5437.1	5121.9	5051.4
27.5°	3226.0	3236.1	3388.6	3700.0	4200.5	4867.4	5575.8	5893.5	5686.8	5255.6	5166.1
30°	3013.0	3036.9	3171.7	3479.4	3984.9	4758.9	5679.2	6173.4	5955.3	5395.5	5280.8
32.5°	2787.2	2816.3	2962.5	3273.8	3769.3	4596.3	5742.2	6479.7	6329.7	5622.4	5500.1
35°	2570.4	2589.4	2736.9	3039.4	3558.8	4407.2	5753.5	6825.1	6812.5	5966.6	5804.0
37.5°	2348.6	2376.3	2525.1	2815.0	3335.7	4206.8	5696.8	7192.0	7394.9	6444.4	6269.2
40°	2135.6	2159.4	2305.7	2598.2	3082.3	3962.2	5562.0	7527.3	8074.4	6936.1	6687.7
42.5°	1903.6	1909.9	2070.0	2367.5	2833.9	3678.5	5367.8	7826.1	8832.0	7595.3	7286.5
45°	1640.1	1656.5	1805.2	2097.7	2549.0	3360.9	5104.4	8073.2	9792.7	8509.3	8088.2
47.5°	1376.6	1390.5	1526.7	1815.3	2237.6	2996.6	4698.4	8290.0	10778.5	9670.4	9118.2
50°	1119.5	1127.0	1238.0	1493.9	1887.2	2613.3	4195.4	8359.3	11892.9	11314.2	10609.6
52.5°	885.0	896.3	980.8	1181.2	1512.8	2160.7	3652.0	8187.9	13193.9	13263.2	12269.9
55°	717.3	721.1	784.1	931.6	1182.4	1686.7	2996.6	7710.0	14593.2	15760.5	14493.6
57.5°	617.7	620.2	655.6	737.5	910.2	1272.0	2324.6	6806.2	15850.1	18686.5	17057.8
60°	560.9	562.2	582.4	630.3	721.1	975.7	1665.3	5530.4	17090.5	21942.7	20244.6
62.5°	525.7	525.7	539.6	566.0	610.1	748.8	1206.4	3990.0	17940.2	25246.8	24172.8
65°	491.6	491.6	501.7	520.7	544.6	612.7	891.3	2602.0	17918.8	27653.4	28123.6
67.5°	452.5	452.5	460.1	479.0	492.9	527.0	688.3	1704.4	16095.9	27600.4	30279.4
70°	406.0	406.0	416.0	432.4	443.7	465.2	543.4	1166.1	11824.8	23566.4	26928.6
72.5°	359.3	360.5	366.8	383.2	392.1	404.7	451.3	816.9	7253.7	16046.7	18828.9
75°	307.6	310.1	316.4	332.8	340.4	345.4	380.7	582.4	3669.7	8651.8	9850.6
77.5°	248.3	253.4	257.2	274.8	279.9	287.5	313.9	421.1	1611.1	3108.8	3136.5
80°	181.6	187.8	199.1	215.5	219.3	224.4	239.5	298.8	729.9	1419.4	1541.8
82.5°	133.6	142.5	128.6	150.0	150.0	143.7	169.0	200.4	335.3	1405.6	1681.7
85°	73.1	74.3	66.8	76.9	81.9	80.7	89.5	98.3	162.6	937.9	966.9
87.5°	17.7	18.9	20.2	24.0	29.0	29.0	31.5	27.8	53.0	303.9	174.0
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)