

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: P530908

Luminaire Tested: **GALN-SA6A-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18882 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

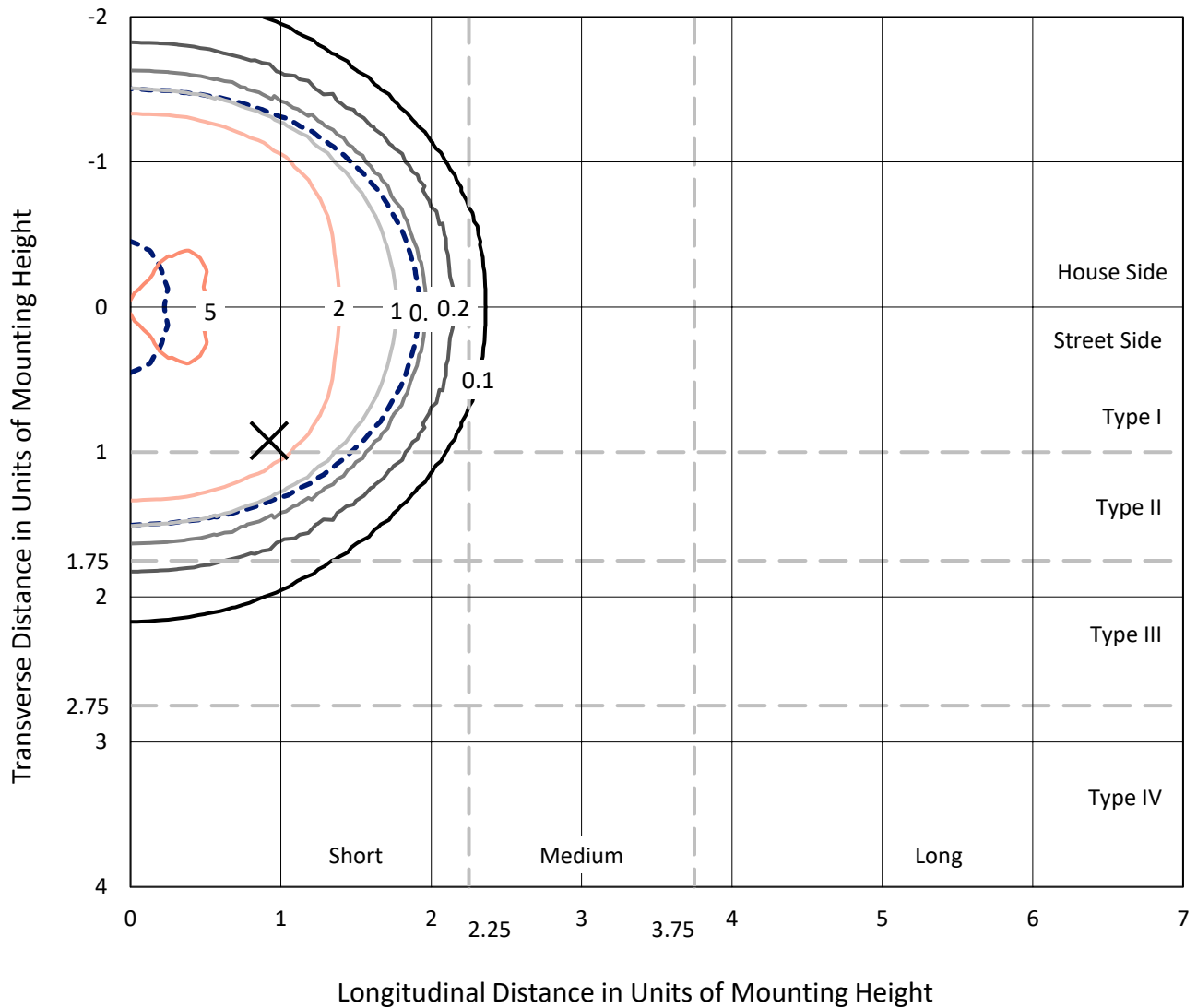
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

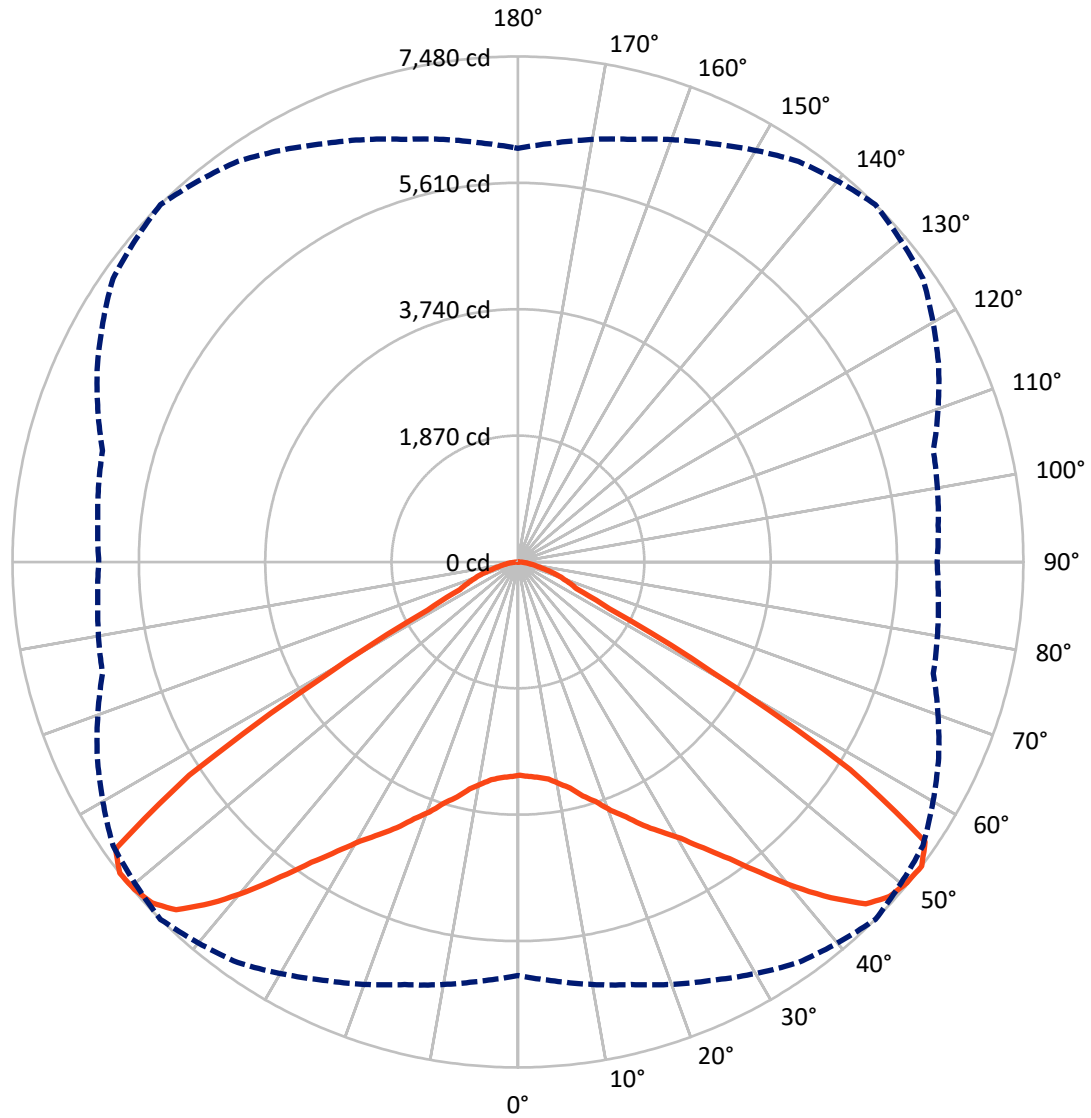
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9441.0	0.0	9441.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9441.0	0.0	9441.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18882.0	0.0	18882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.1	1.6
10°-20°	1019.0	5.4
20°-30°	1940.0	10.3
30°-40°	3331.1	17.6
40°-50°	5120.0	27.1
50°-60°	5199.3	27.5
60°-70°	1449.0	7.7
70°-80°	427.4	2.3
80°-90°	86.1	0.5
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°	18882.0	100.0
0°-180°	18882.0	100.0

Coefficient of Utilization



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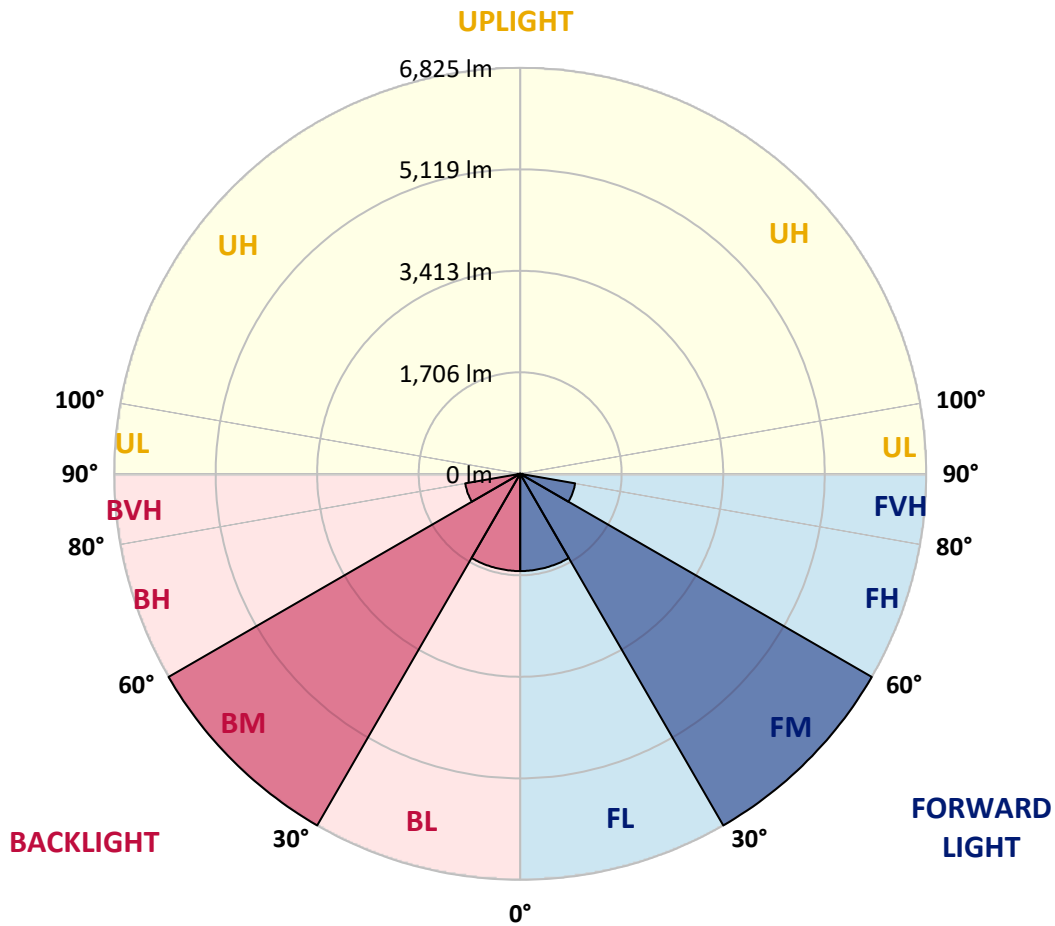
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1634.5	8.7			
FM (30°-60°)	6825.2	36.1			
FH (60°-80°)	938.2	5.0			G1/1800
FVH (80°-90°)	43.0	0.2			G1/100
BL (0°-30°)	1634.5	8.7	B3/2500		
BM (30°-60°)	6825.2	36.1	B4/8500		
BH (60°-80°)	938.2	5.0	B2/1000		G1/1800
BVH (80°-90°)	43.0	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-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4	3156.4
2.5°	3163.4	3130.6	3142.3	3149.3	3179.8	3177.5	3170.4	3179.8	3189.2	3191.5	3186.8
5°	3161.1	3137.6	3147.0	3154.0	3184.5	3200.9	3196.2	3236.0	3264.2	3257.1	3292.3
7.5°	3142.3	3156.4	3144.7	3179.8	3205.6	3245.4	3287.6	3325.1	3360.2	3400.1	3407.1
10°	3184.5	3184.5	3205.6	3233.7	3301.7	3332.1	3393.0	3446.9	3514.9	3561.8	3543.0
12.5°	3229.0	3236.0	3236.0	3308.7	3364.9	3432.9	3489.1	3561.8	3657.8	3714.1	3742.2
15°	3273.5	3278.2	3301.7	3400.1	3484.4	3592.2	3643.8	3709.4	3763.3	3868.7	3871.1
17.5°	3313.4	3339.1	3409.4	3519.6	3625.0	3728.1	3810.1	3878.1	3925.0	3967.1	3957.8
20°	3463.3	3482.1	3554.7	3664.9	3821.9	3922.6	3950.7	3962.5	3992.9	4077.3	4051.5
22.5°	3608.6	3615.7	3683.6	3852.3	3962.5	4096.0	4126.5	4119.5	4131.2	4152.3	4189.8
25°	3758.6	3770.3	3864.0	4007.0	4161.6	4321.0	4346.8	4292.9	4276.5	4299.9	4302.2
27.5°	3950.7	3953.1	4072.6	4196.8	4372.5	4522.5	4562.3	4520.2	4442.8	4461.6	4492.0
30°	4194.4	4178.0	4297.5	4475.6	4660.7	4745.1	4813.1	4792.0	4707.6	4691.2	4665.4
32.5°	4475.6	4480.3	4588.1	4782.6	4904.4	5045.0	5117.7	5082.5	5028.6	5000.5	5016.9
35°	4871.6	4892.7	4965.4	5127.1	5323.9	5394.2	5509.0	5434.0	5293.4	5328.6	5359.0
37.5°	5197.4	5258.3	5394.2	5586.3	5703.5	5832.4	5874.6	5773.8	5670.7	5628.5	5729.3
40°	5696.5	5677.7	5827.7	6019.8	6193.2	6322.1	6268.2	6167.5	5912.1	5914.4	5942.5
42.5°	6125.3	6134.7	6249.5	6479.1	6715.8	6795.5	6624.4	6378.4	6094.8	6064.4	6125.3
45°	6486.2	6523.6	6589.3	6896.2	7128.2	7214.9	6898.6	6608.0	6228.4	6101.9	6202.6
47.5°	6615.0	6676.0	6818.9	7100.1	7329.7	7400.0	7147.0	6729.9	6352.6	6146.4	6200.3
50°	6633.8	6612.7	6847.0	7104.8	7306.3	7458.6	7236.0	6818.9	6322.1	6214.3	6197.9
52.5°	6120.6	6223.7	6474.4	6828.3	7236.0	7479.7	7315.7	6868.1	6364.3	6242.5	6202.6
55°	4953.7	4831.8	5288.7	5883.9	6633.8	7311.0	7287.5	6893.9	6390.1	6289.3	6235.4
57.5°	2765.1	2800.2	3058.0	3704.7	4672.5	5797.2	6479.1	6622.1	6378.4	6319.8	6347.9
60°	1279.4	1291.1	1401.3	1703.6	2303.4	3287.6	4185.1	5096.6	5516.0	5600.4	5600.4
62.5°	953.7	949.0	977.1	1031.0	1157.6	1511.4	2017.5	2741.6	3318.1	3721.1	3826.5
65°	862.3	860.0	874.0	892.8	902.2	951.4	1063.8	1286.5	1473.9	1581.7	1563.0
67.5°	754.5	752.2	756.9	768.6	785.0	810.8	838.9	885.8	951.4	946.7	935.0
70°	609.2	609.2	616.3	625.7	644.4	674.9	707.7	740.5	796.7	808.4	806.1
72.5°	449.9	442.9	456.9	475.7	494.4	531.9	567.1	597.5	637.4	649.1	644.4
75°	285.9	290.6	299.9	321.0	353.8	379.6	417.1	442.9	468.7	478.0	480.4
77.5°	159.3	164.0	180.4	206.2	239.0	267.1	299.9	321.0	337.4	339.8	342.1
80°	96.1	98.4	114.8	138.3	166.4	196.8	222.6	243.7	257.8	250.7	248.4
82.5°	58.6	60.9	75.0	96.1	119.5	142.9	171.1	189.8	203.9	194.5	185.1
85°	30.5	32.8	44.5	58.6	77.3	89.0	89.0	79.7	77.3	72.6	70.3
87.5°	9.4	9.4	11.7	14.1	11.7	14.1	16.4	18.7	18.7	21.1	18.7
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)