

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: P651941

Luminaire Tested: **GALN-SA6A-840-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-840-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14738.5 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

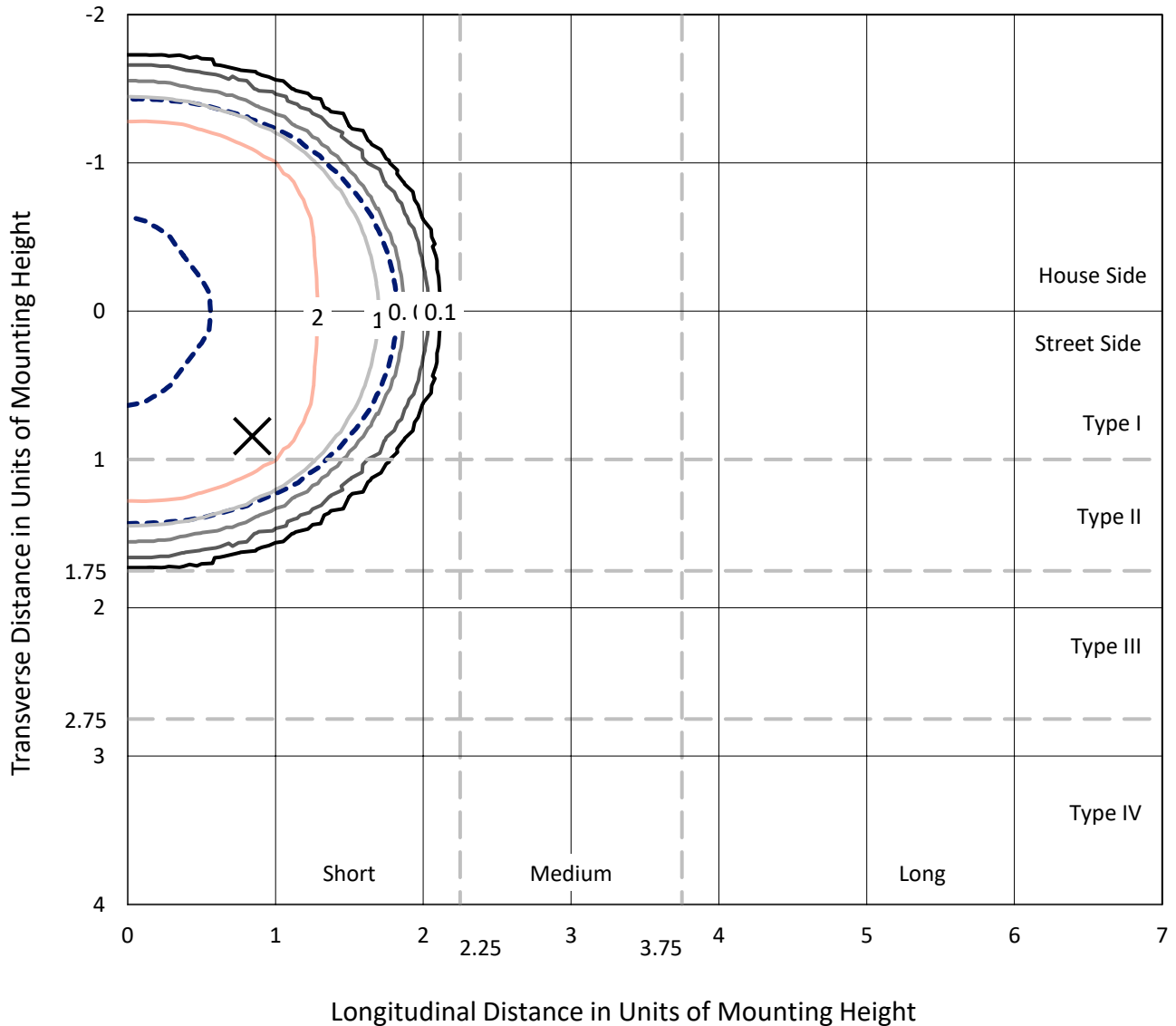
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

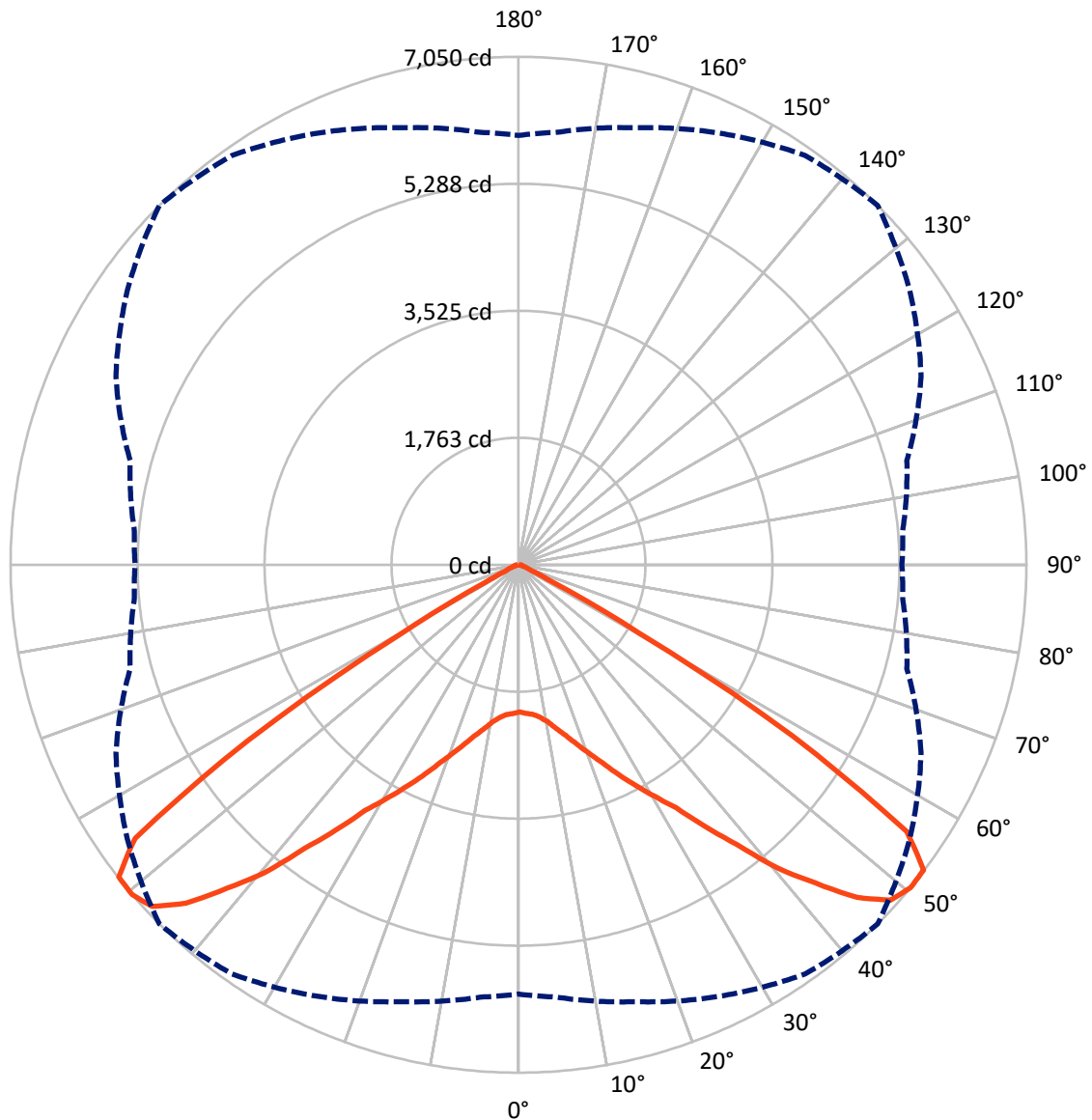
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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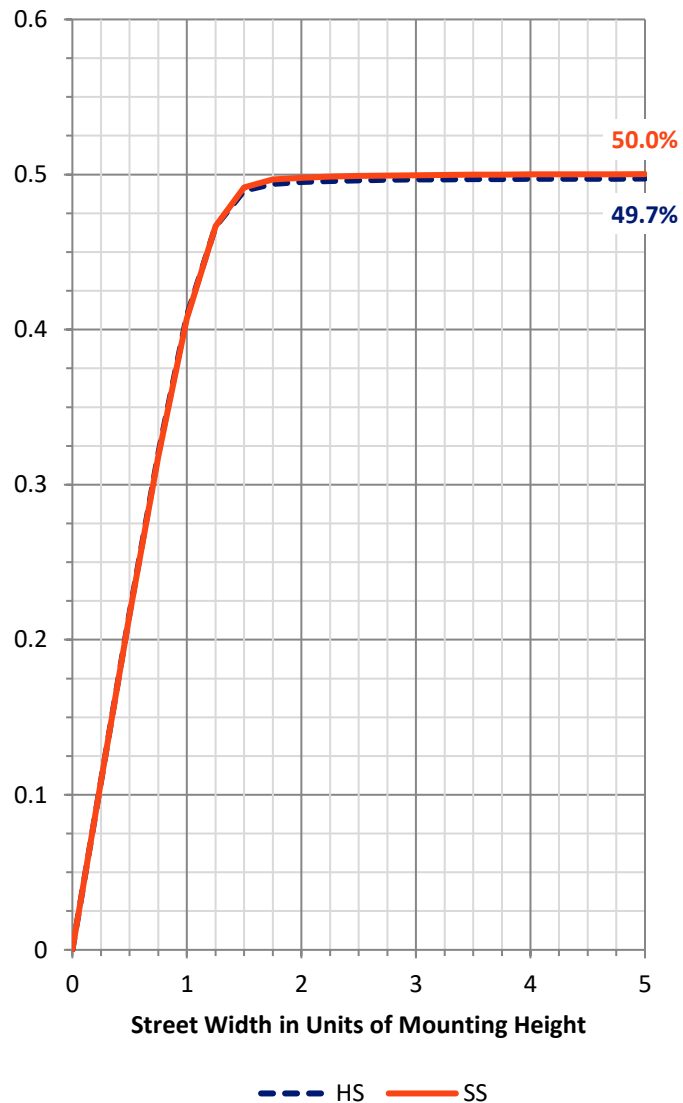
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7369.3	0.0	7369.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7369.3	0.0	7369.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14738.5	0.0	14738.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	1.4
10°-20°	700.6	4.8
20°-30°	1431.0	9.7
30°-40°	2728.8	18.5
40°-50°	4598.5	31.2
50°-60°	4385.4	29.8
60°-70°	612.2	4.2
70°-80°	58.5	0.4
80°-90°	20.2	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°	14738.5	100.0
0°-180°	14738.5	100.0

Coefficient of Utilization

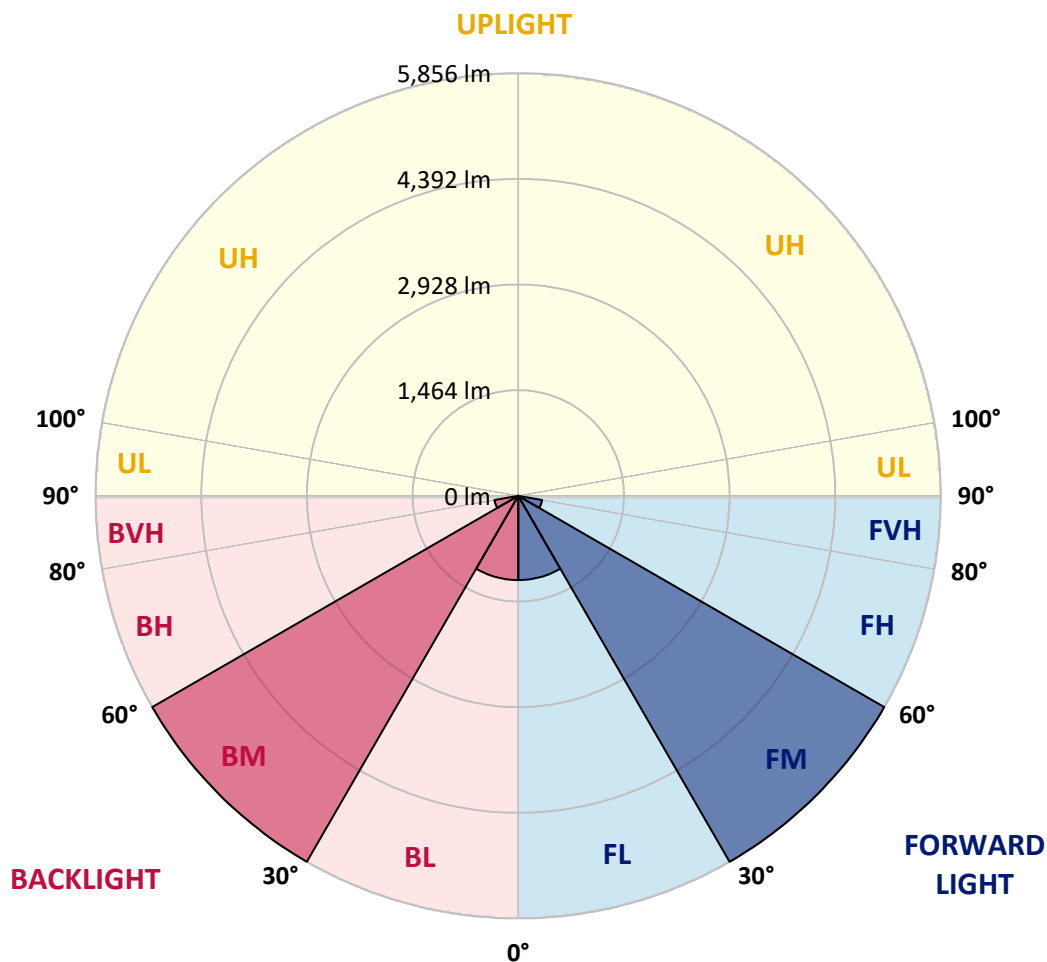


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.4	7.9			
FM (30°-60°)	5856.4	39.7			
FH (60°-80°)	335.4	2.3			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	1167.4	7.9	B3/2500		
BM (30°-60°)	5856.4	39.7	B4/8500		
BH (60°-80°)	335.4	2.3	B1/500		G0/660
BVH (80°-90°)	10.1	0.1			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°	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3	2043.3
2.5°	2035.9	2035.9	2033.5	2053.2	2043.3	2065.7	2063.1	2070.6	2078.0	2075.6	2095.4
5°	2018.6	2016.0	2016.0	2038.4	2060.7	2085.5	2107.8	2122.7	2147.5	2147.5	2172.3
7.5°	2035.9	2023.5	2040.9	2050.8	2092.9	2135.0	2172.3	2202.1	2259.1	2278.9	2271.5
10°	2040.9	2055.7	2068.1	2097.9	2149.9	2214.4	2246.6	2321.1	2385.6	2430.2	2440.1
12.5°	2073.1	2095.4	2130.1	2202.1	2249.2	2333.4	2378.1	2450.0	2539.3	2588.9	2623.6
15°	2135.0	2142.5	2187.2	2278.9	2380.6	2457.5	2526.9	2578.9	2665.7	2722.8	2725.3
17.5°	2214.4	2246.6	2308.6	2395.5	2502.1	2616.2	2670.7	2727.8	2760.0	2836.9	2854.2
20°	2373.1	2378.1	2437.6	2551.7	2685.6	2789.8	2829.5	2859.1	2846.8	2926.2	2941.0
22.5°	2521.9	2526.9	2601.3	2755.0	2898.8	2988.2	3005.5	2988.2	2950.9	3008.0	3013.0
25°	2673.2	2717.9	2772.4	2926.2	3104.7	3223.7	3226.2	3179.1	3102.2	3112.1	3136.9
27.5°	2908.8	2941.0	2998.1	3139.4	3335.3	3469.2	3446.9	3389.8	3290.7	3298.1	3290.7
30°	3184.0	3213.8	3260.9	3442.0	3585.8	3732.0	3764.3	3709.7	3561.0	3528.8	3565.9
32.5°	3516.3	3558.4	3645.2	3811.4	3932.9	4022.2	4044.5	4024.7	3885.8	3873.4	3898.2
35°	3920.5	3977.6	4056.9	4203.2	4302.4	4463.6	4463.6	4396.7	4270.2	4285.1	4282.5
37.5°	4347.0	4431.4	4555.4	4704.1	4838.0	4924.8	4897.6	4840.5	4714.1	4681.8	4714.1
40°	4882.7	4924.8	5081.1	5274.5	5438.2	5537.3	5420.7	5296.8	4994.3	5041.4	5128.2
42.5°	5371.2	5438.2	5557.2	5770.4	5956.4	6038.2	5899.4	5653.9	5289.4	5252.1	5316.6
45°	5787.8	5859.7	6015.9	6321.0	6516.8	6588.7	6281.3	5884.5	5467.9	5373.7	5401.0
47.5°	6065.5	6102.7	6321.0	6611.1	6789.6	6953.3	6511.9	6043.2	5552.2	5373.7	5363.7
50°	5958.9	6023.4	6278.8	6608.6	6933.5	7050.0	6628.4	6164.7	5579.5	5351.4	5321.6
52.5°	5291.8	5403.4	5688.6	6132.5	6623.5	7040.1	6789.6	6125.0	5569.6	5373.7	5418.3
55°	3682.5	3684.9	4032.1	4686.8	5554.7	6536.7	6554.1	6169.7	5634.0	5512.5	5515.0
57.5°	1480.4	1554.8	1820.2	2477.3	3278.3	4488.4	5336.5	5723.3	5641.5	5611.7	5688.6
60°	374.4	376.9	458.8	699.3	1153.1	1924.3	2794.7	3781.6	4354.4	4550.4	4577.6
62.5°	190.9	193.4	213.3	248.0	315.0	515.8	917.5	1455.6	2070.6	2383.1	2464.9
65°	156.3	156.3	168.6	185.9	188.5	198.4	238.1	339.8	493.5	560.4	567.8
67.5°	119.0	119.0	128.9	138.8	143.8	141.4	136.4	141.4	171.1	163.7	158.7
70°	74.4	76.9	81.8	91.8	96.7	99.2	101.7	106.6	121.5	126.5	121.5
72.5°	44.7	44.7	47.1	54.6	62.0	66.9	74.4	79.4	86.8	99.2	96.7
75°	19.8	19.8	24.8	32.2	39.7	47.1	54.6	62.0	66.9	74.4	76.9
77.5°	5.0	7.4	12.4	22.3	29.8	39.7	49.6	57.0	62.0	62.0	59.5
80°	2.4	2.4	9.9	17.3	32.2	42.1	54.6	59.5	66.9	62.0	54.6
82.5°	2.4	2.4	9.9	17.3	29.8	42.1	57.0	64.5	69.5	62.0	52.1
85°	0.0	2.4	7.4	14.9	24.8	29.8	24.8	17.3	9.9	9.9	7.4
87.5°	0.0	0.0	2.4	2.4	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)