

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: P530751

Luminaire Tested: **GALN-SA6A-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530751
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-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 15961 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

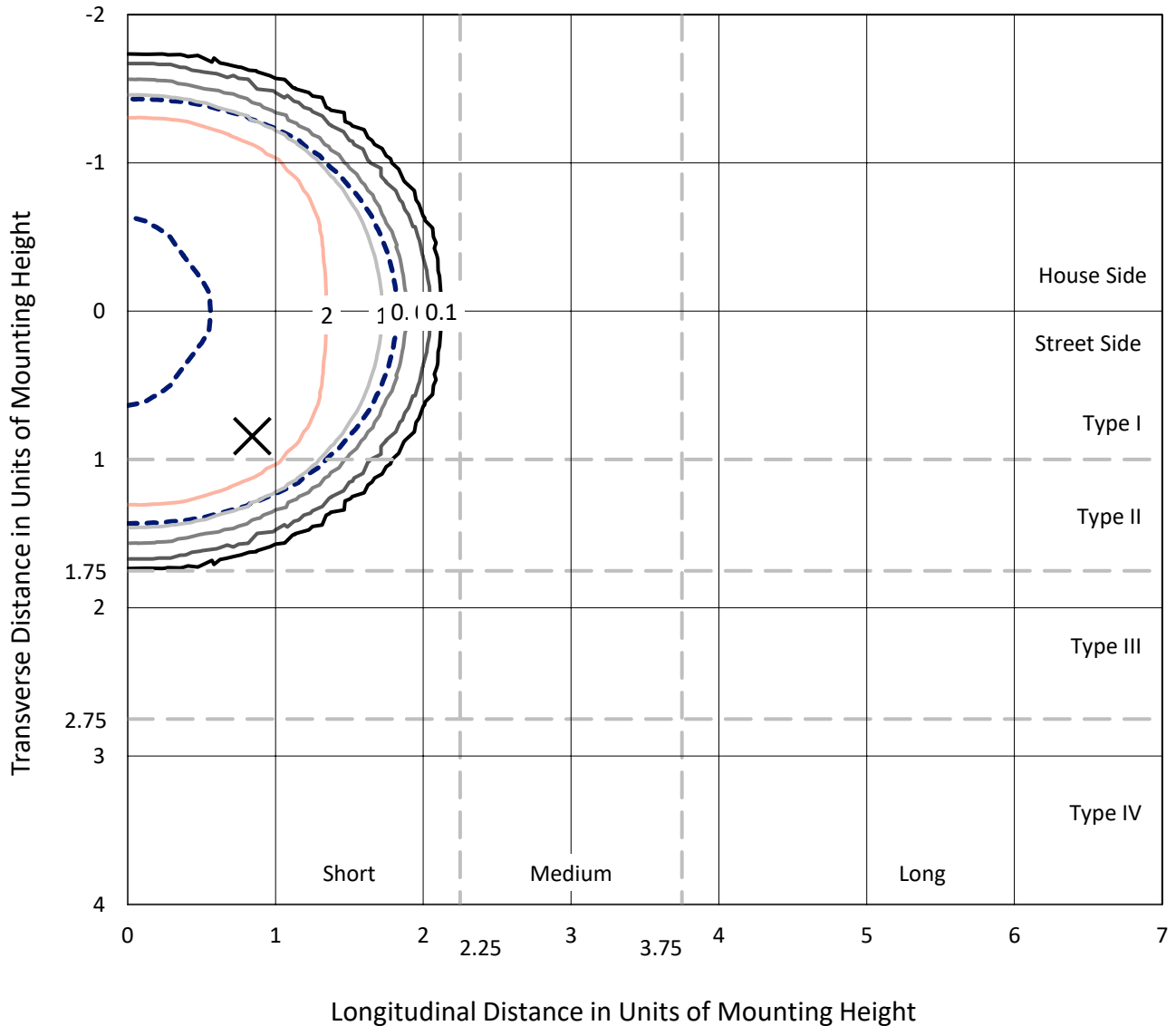
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

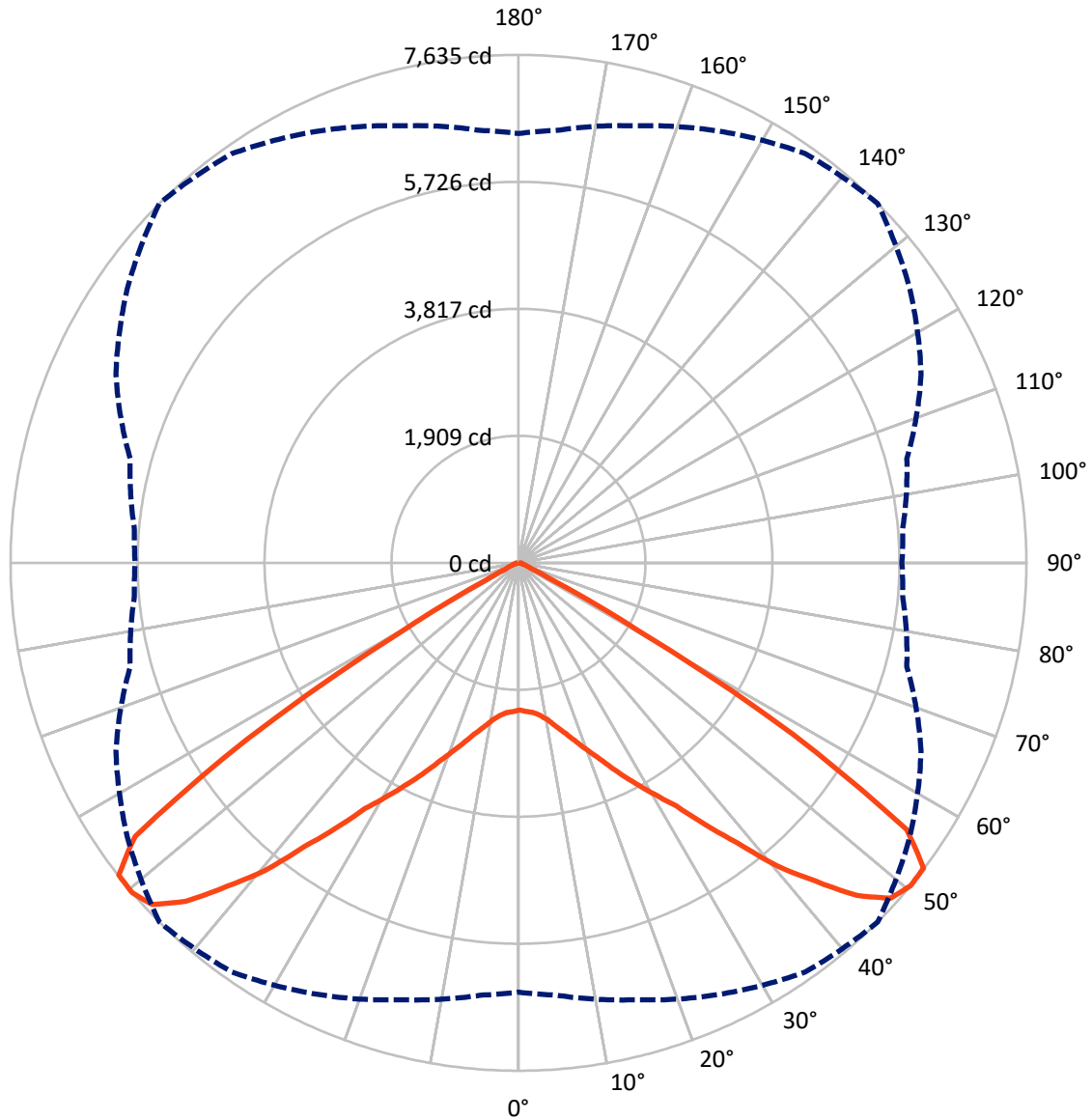
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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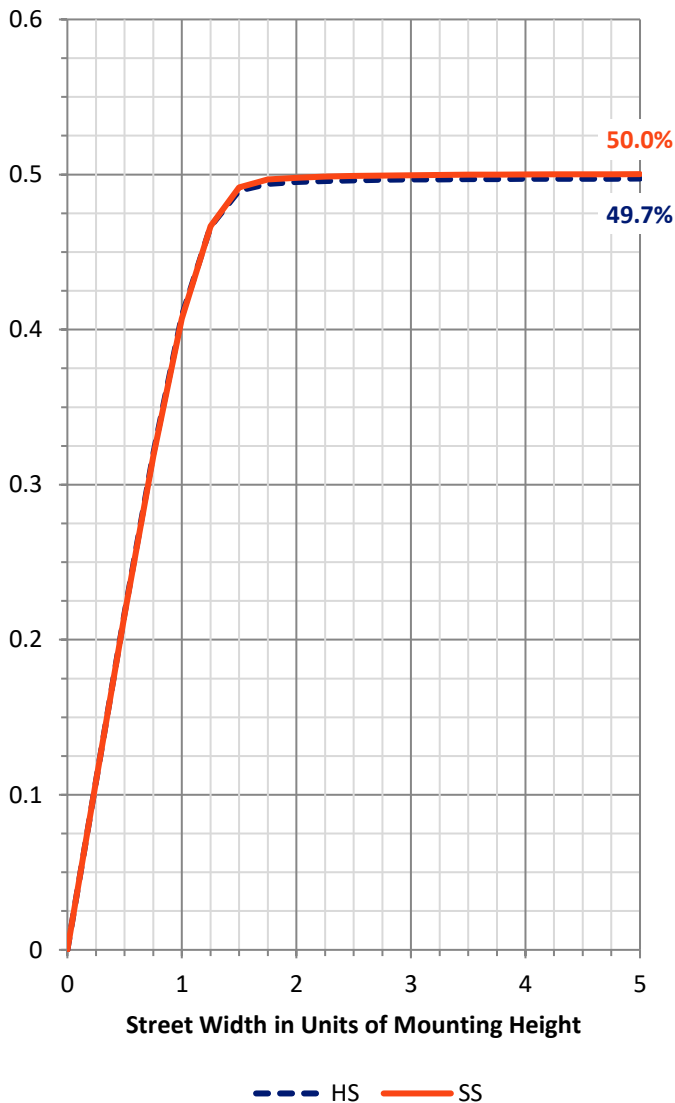
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7980.5	0.0	7980.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7980.5	0.0	7980.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	15961.0	0.0	15961.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.1	1.4
10°-20°	758.7	4.8
20°-30°	1549.6	9.7
30°-40°	2955.1	18.5
40°-50°	4979.9	31.2
50°-60°	4749.2	29.8
60°-70°	663.0	4.2
70°-80°	63.4	0.4
80°-90°	21.9	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°	15961.0	100.0
0°-180°	15961.0	100.0

Coefficient of Utilization



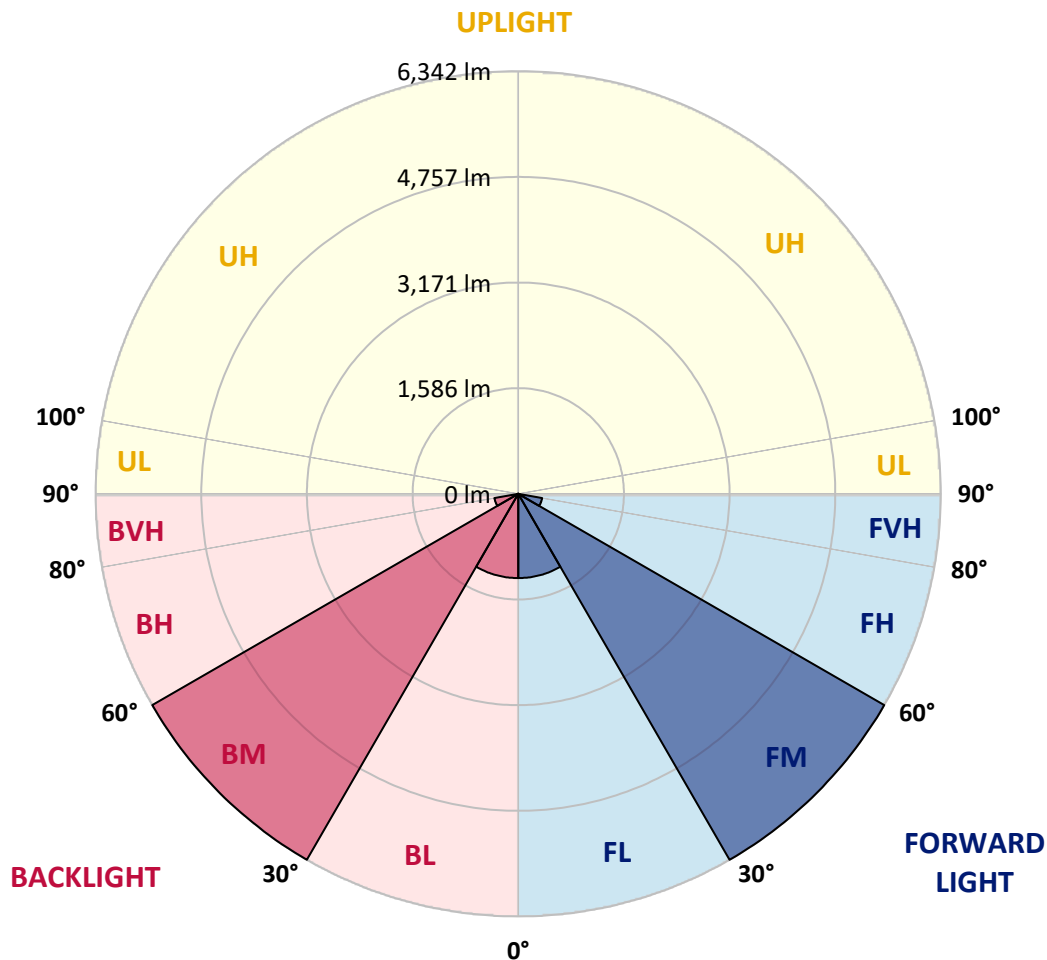
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1264.3	7.9			
FM (30°-60°)	6342.1	39.7			
FH (60°-80°)	363.2	2.3			G0/660
FVH (80°-90°)	11.0	0.1			G1/100
BL (0°-30°)	1264.3	7.9	B3/2500		
BM (30°-60°)	6342.1	39.7	B4/8500		
BH (60°-80°)	363.2	2.3	B1/500		G0/660
BVH (80°-90°)	11.0	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°	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8	2212.8
2.5°	2204.8	2204.8	2202.1	2223.6	2212.8	2237.0	2234.3	2242.4	2250.4	2247.7	2269.2
5°	2186.0	2183.3	2183.3	2207.4	2231.6	2258.5	2282.6	2298.8	2325.6	2325.6	2352.5
7.5°	2204.8	2191.3	2210.1	2220.9	2266.5	2312.2	2352.5	2384.7	2446.5	2467.9	2459.9
10°	2210.1	2226.2	2239.7	2271.9	2328.3	2398.1	2433.0	2513.6	2583.4	2631.7	2642.5
12.5°	2245.0	2269.2	2306.8	2384.7	2435.7	2527.0	2575.4	2653.2	2749.9	2803.6	2841.2
15°	2312.2	2320.2	2368.6	2467.9	2578.0	2661.3	2736.5	2792.9	2886.9	2948.6	2951.3
17.5°	2398.1	2433.0	2500.2	2594.2	2709.6	2833.2	2892.2	2954.0	2988.9	3072.2	3091.0
20°	2570.0	2575.4	2639.8	2763.3	2908.4	3021.1	3064.1	3096.3	3082.9	3168.8	3185.0
22.5°	2731.1	2736.5	2817.0	2983.5	3139.3	3236.0	3254.8	3236.0	3195.7	3257.5	3262.8
25°	2894.9	2943.3	3002.3	3168.8	3362.2	3491.1	3493.8	3442.8	3359.5	3370.2	3397.1
27.5°	3150.0	3185.0	3246.7	3399.8	3611.9	3757.0	3732.8	3671.0	3563.6	3571.7	3563.6
30°	3448.1	3480.4	3531.4	3727.4	3883.2	4041.6	4076.5	4017.4	3856.3	3821.4	3861.7
32.5°	3808.0	3853.6	3947.6	4127.5	4259.1	4355.8	4380.0	4358.5	4208.1	4194.7	4221.5
35°	4245.7	4307.5	4393.4	4551.9	4659.3	4833.8	4833.8	4761.3	4624.4	4640.5	4637.8
37.5°	4707.6	4798.9	4933.2	5094.3	5239.3	5333.3	5303.8	5242.0	5105.1	5070.1	5105.1
40°	5287.7	5333.3	5502.5	5712.0	5889.2	5996.6	5870.4	5736.1	5408.5	5459.5	5553.5
42.5°	5816.7	5889.2	6018.1	6249.1	6450.5	6539.1	6388.7	6122.8	5728.1	5687.8	5757.6
45°	6267.9	6345.7	6514.9	6845.2	7057.4	7135.3	6802.3	6372.6	5921.4	5819.4	5848.9
47.5°	6568.6	6608.9	6845.2	7159.4	7352.8	7530.0	7052.0	6544.5	6012.7	5819.4	5808.6
50°	6453.2	6523.0	6799.6	7156.7	7508.5	7634.8	7178.2	6676.0	6042.3	5795.2	5763.0
52.5°	5730.8	5851.6	6160.4	6641.1	7172.9	7624.0	7352.8	6633.1	6031.5	5819.4	5867.7
55°	3987.9	3990.6	4366.6	5075.5	6015.4	7078.9	7097.7	6681.4	6101.4	5969.8	5972.5
57.5°	1603.2	1683.8	1971.1	2682.8	3550.2	4860.7	5779.1	6198.0	6109.4	6077.2	6160.4
60°	405.5	408.2	496.8	757.3	1248.7	2083.9	3026.5	4095.3	4715.7	4927.8	4957.4
62.5°	206.8	209.5	230.9	268.5	341.1	558.6	993.6	1576.4	2242.4	2580.7	2669.3
65°	169.2	169.2	182.6	201.4	204.1	214.8	257.8	367.9	534.4	606.9	615.0
67.5°	128.9	128.9	139.6	150.4	155.8	153.1	147.7	153.1	185.3	177.2	171.9
70°	80.6	83.2	88.6	99.4	104.7	107.4	110.1	115.5	131.6	137.0	131.6
72.5°	48.3	48.3	51.0	59.1	67.1	72.5	80.6	85.9	94.0	107.4	104.7
75°	21.5	21.5	26.9	34.9	43.0	51.0	59.1	67.1	72.5	80.6	83.2
77.5°	5.4	8.1	13.4	24.2	32.2	43.0	53.7	61.8	67.1	67.1	64.5
80°	2.7	2.7	10.7	18.8	34.9	45.7	59.1	64.5	72.5	67.1	59.1
82.5°	2.7	2.7	10.7	18.8	32.2	45.7	61.8	69.8	75.2	67.1	56.4
85°	0.0	2.7	8.1	16.1	26.9	32.2	26.9	18.8	10.7	10.7	8.1
87.5°	0.0	0.0	2.7	2.7	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)