

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: P528957

Luminaire Tested: **GALN-SA4A-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528957
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-SA4A-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5000K, 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: 11691 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

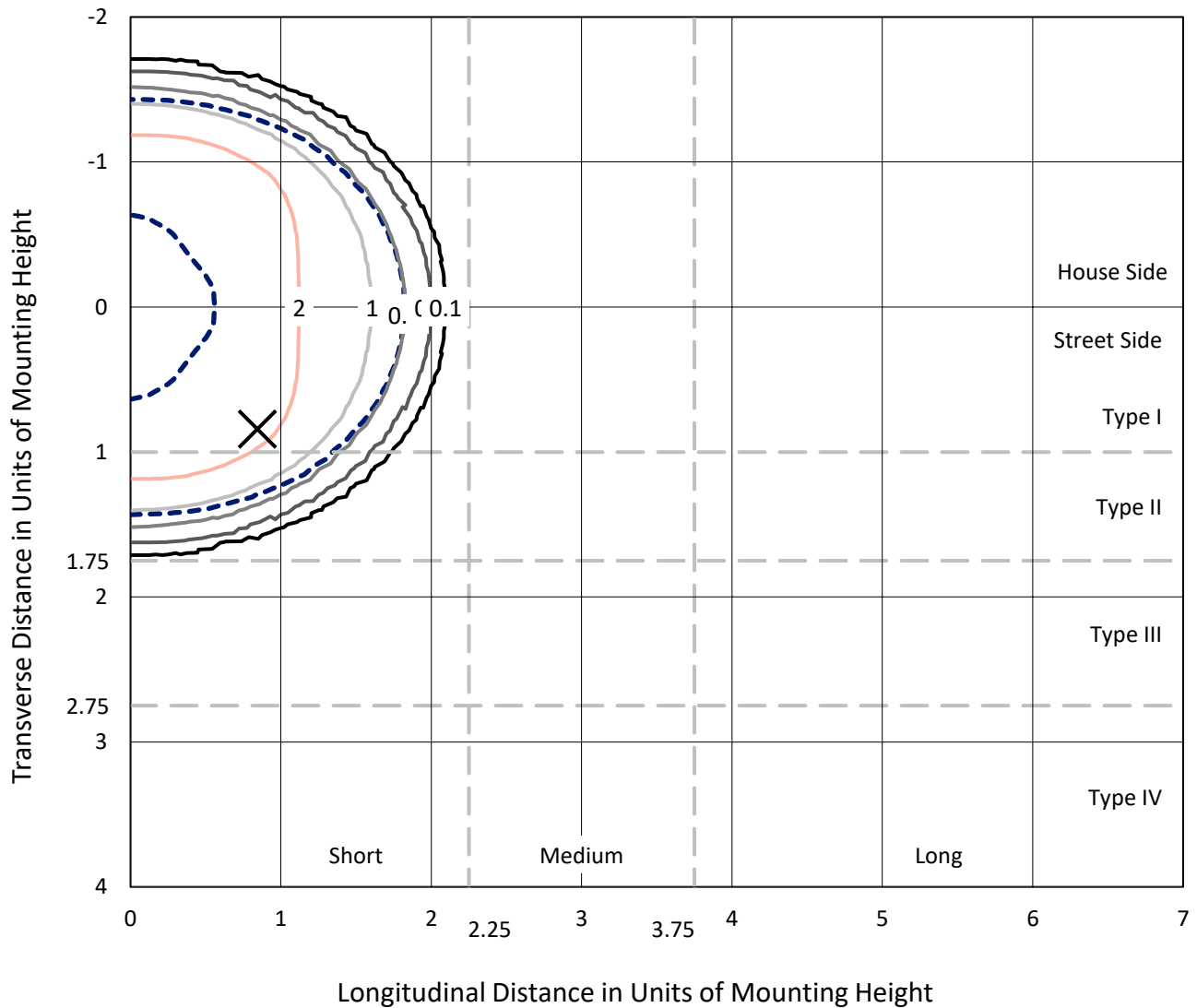
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528957
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Iso-Footcandle Lines of Horizontal Illumination

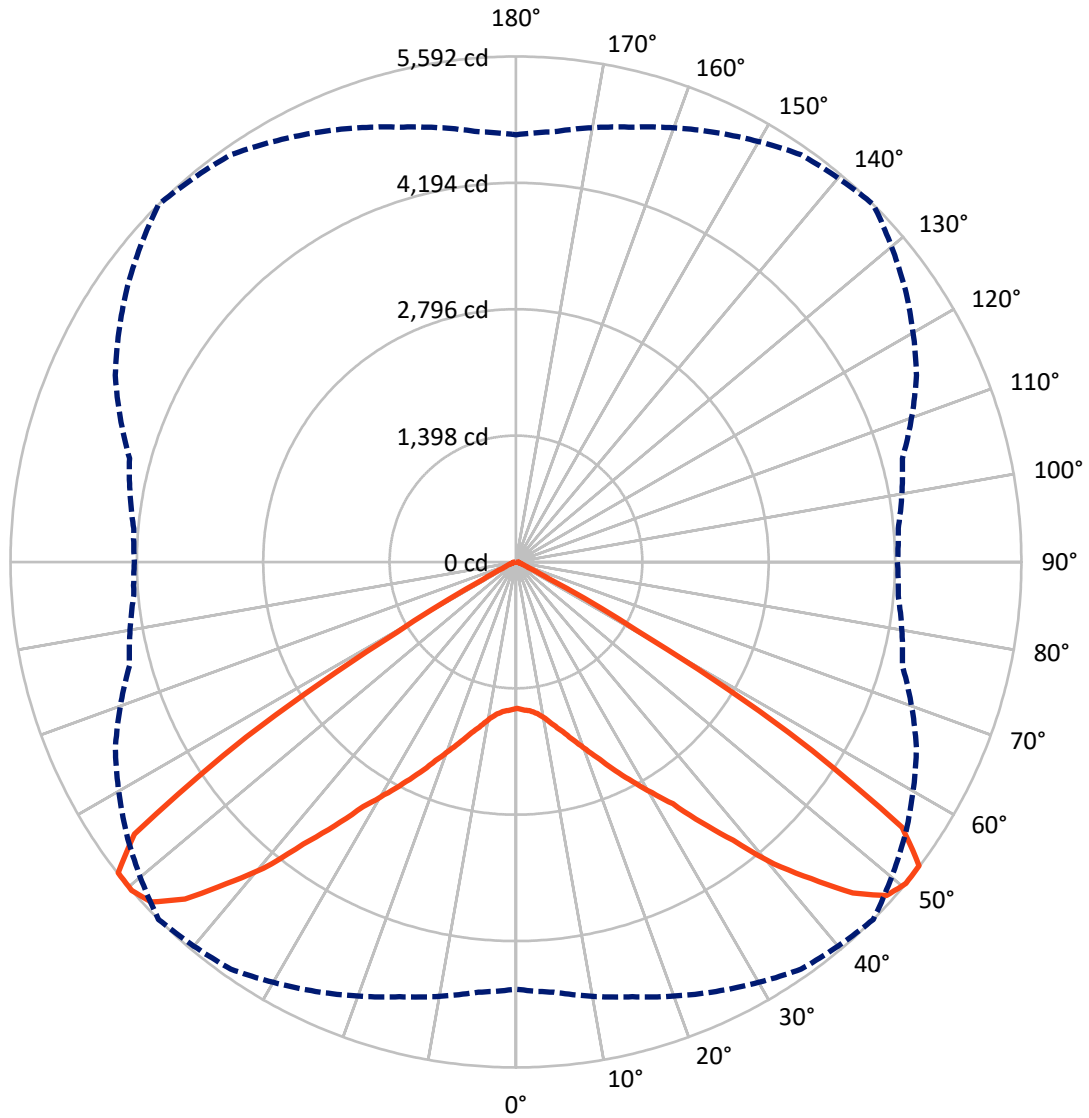
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

REPORT NUMBER: P528957
CATALOG NUMBER: GALN-SA4A-750-U-RW-GRSBK

Luminous Intensity Polar Plot



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

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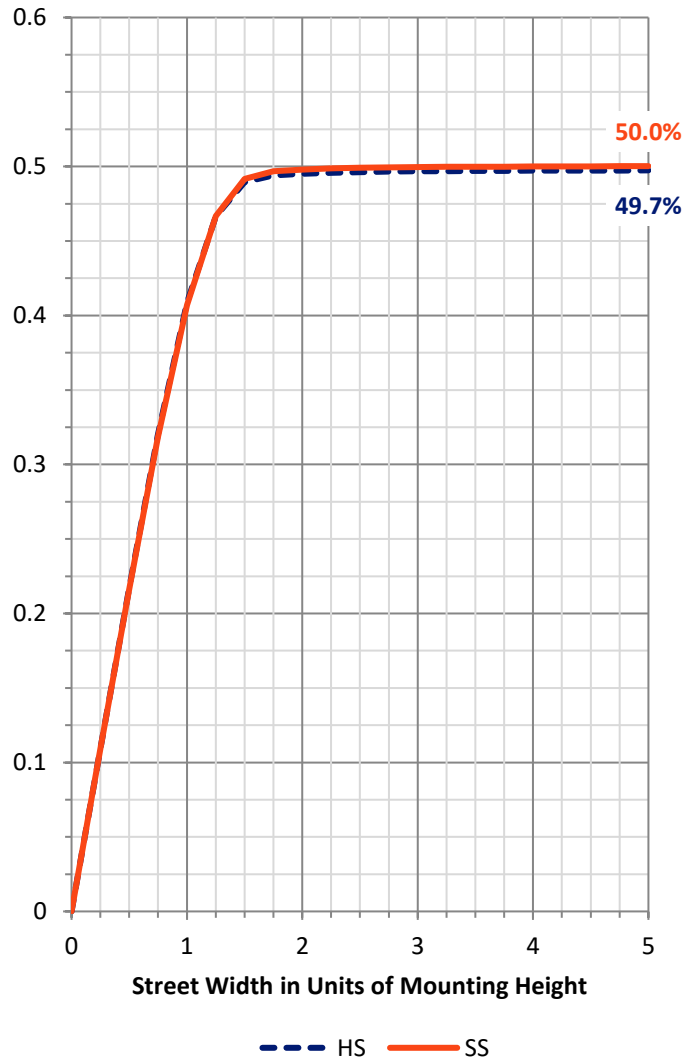
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5845.5	0.0	5845.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5845.5	0.0	5845.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11691.0	0.0	11691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.4
10°-20°	555.8	4.8
20°-30°	1135.1	9.7
30°-40°	2164.6	18.5
40°-50°	3647.6	31.2
50°-60°	3478.7	29.8
60°-70°	485.6	4.2
70°-80°	46.4	0.4
80°-90°	16.1	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°	11691.0	100.0
0°-180°	11691.0	100.0

Coefficient of Utilization



REPORT NUMBER: P528957

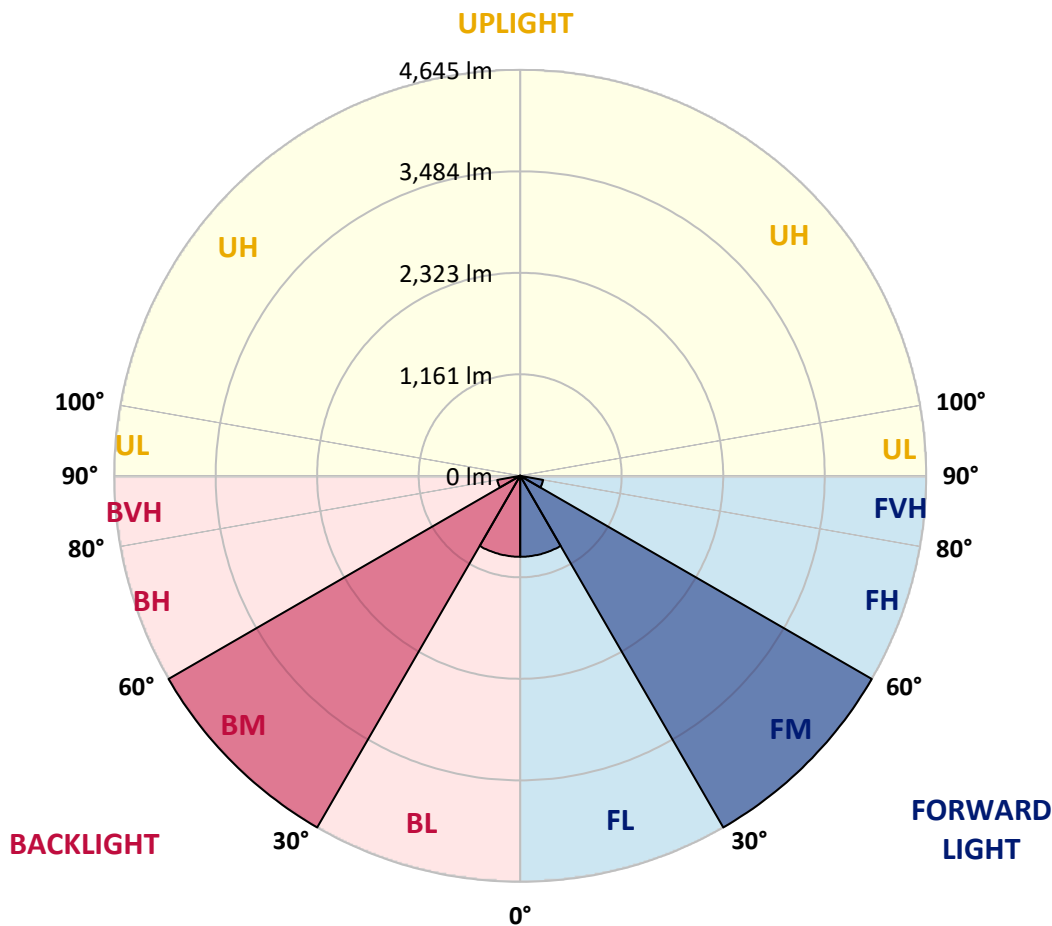
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	926.0	7.9			
FM (30°-60°)	4645.4	39.7			
FH (60°-80°)	266.0	2.3			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	926.0	7.9	B2/1000		
BM (30°-60°)	4645.4	39.7	B3/5000		
BH (60°-80°)	266.0	2.3	B1/500		G0/660
BVH (80°-90°)	8.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8	1620.8
2.5°	1614.9	1614.9	1613.0	1628.7	1620.8	1638.5	1636.6	1642.5	1648.4	1646.4	1662.1
5°	1601.2	1599.2	1599.2	1616.9	1634.6	1654.3	1672.0	1683.8	1703.4	1703.4	1723.1
7.5°	1614.9	1605.1	1618.9	1626.7	1660.2	1693.6	1723.1	1746.7	1792.0	1807.7	1801.8
10°	1618.9	1630.7	1640.5	1664.1	1705.4	1756.6	1782.1	1841.1	1892.3	1927.7	1935.6
12.5°	1644.4	1662.1	1689.7	1746.7	1784.1	1851.0	1886.4	1943.4	2014.2	2053.6	2081.1
15°	1693.6	1699.5	1734.9	1807.7	1888.3	1949.3	2004.4	2045.7	2114.6	2159.8	2161.8
17.5°	1756.6	1782.1	1831.3	1900.1	1984.7	2075.2	2118.5	2163.7	2189.3	2250.3	2264.0
20°	1882.4	1886.4	1933.6	2024.1	2130.3	2212.9	2244.4	2268.0	2258.1	2321.1	2332.9
22.5°	2000.5	2004.4	2063.4	2185.4	2299.5	2370.3	2384.0	2370.3	2340.8	2386.0	2389.9
25°	2120.5	2155.9	2199.1	2321.1	2462.7	2557.1	2559.1	2521.7	2460.7	2468.6	2488.3
27.5°	2307.3	2332.9	2378.1	2490.3	2645.6	2751.9	2734.2	2688.9	2610.2	2616.1	2610.2
30°	2525.7	2549.3	2586.6	2730.2	2844.3	2960.4	2985.9	2942.7	2824.6	2799.1	2828.6
32.5°	2789.2	2822.7	2891.5	3023.3	3119.7	3190.5	3208.2	3192.5	3082.3	3072.5	3092.2
35°	3109.9	3155.1	3218.1	3334.1	3412.8	3540.6	3540.6	3487.5	3387.2	3399.0	3397.1
37.5°	3448.2	3515.1	3613.4	3731.4	3837.7	3906.5	3884.9	3839.6	3739.3	3713.7	3739.3
40°	3873.1	3906.5	4030.4	4183.9	4313.7	4392.4	4299.9	4201.6	3961.6	3999.0	4067.8
42.5°	4260.6	4313.7	4408.1	4577.3	4724.8	4789.7	4679.6	4484.8	4195.7	4166.2	4217.3
45°	4591.0	4648.1	4772.0	5013.9	5169.3	5226.4	4982.5	4667.8	4337.3	4262.5	4284.2
47.5°	4811.3	4840.8	5013.9	5244.1	5385.7	5515.5	5165.4	4793.6	4404.2	4262.5	4254.7
50°	4726.8	4777.9	4980.5	5242.1	5499.8	5592.3	5257.9	4890.0	4425.8	4244.8	4221.2
52.5°	4197.6	4286.1	4512.4	4864.5	5253.9	5584.4	5385.7	4858.6	4417.9	4262.5	4297.9
55°	2921.0	2923.0	3198.4	3717.7	4406.1	5185.1	5198.8	4894.0	4469.1	4372.7	4374.7
57.5°	1174.3	1233.3	1443.8	1965.1	2600.4	3560.3	4233.0	4539.9	4475.0	4451.4	4512.4
60°	297.0	299.0	363.9	554.7	914.7	1526.4	2216.8	2999.7	3454.1	3609.5	3631.1
62.5°	151.5	153.4	169.2	196.7	249.8	409.1	727.8	1154.6	1642.5	1890.3	1955.2
65°	123.9	123.9	133.8	147.5	149.5	157.4	188.8	269.5	391.4	444.5	450.4
67.5°	94.4	94.4	102.3	110.2	114.1	112.1	108.2	112.1	135.7	129.8	125.9
70°	59.0	61.0	64.9	72.8	76.7	78.7	80.6	84.6	96.4	100.3	96.4
72.5°	35.4	35.4	37.4	43.3	49.2	53.1	59.0	62.9	68.8	78.7	76.7
75°	15.7	15.7	19.7	25.6	31.5	37.4	43.3	49.2	53.1	59.0	61.0
77.5°	3.9	5.9	9.8	17.7	23.6	31.5	39.3	45.2	49.2	49.2	47.2
80°	2.0	2.0	7.9	13.8	25.6	33.4	43.3	47.2	53.1	49.2	43.3
82.5°	2.0	2.0	7.9	13.8	23.6	33.4	45.2	51.1	55.1	49.2	41.3
85°	0.0	2.0	5.9	11.8	19.7	23.6	19.7	13.8	7.9	7.9	5.9
87.5°	0.0	0.0	2.0	2.0	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)