

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: P527938

Luminaire Tested: **GALN-SA3A-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527938
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3A-730-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11198 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

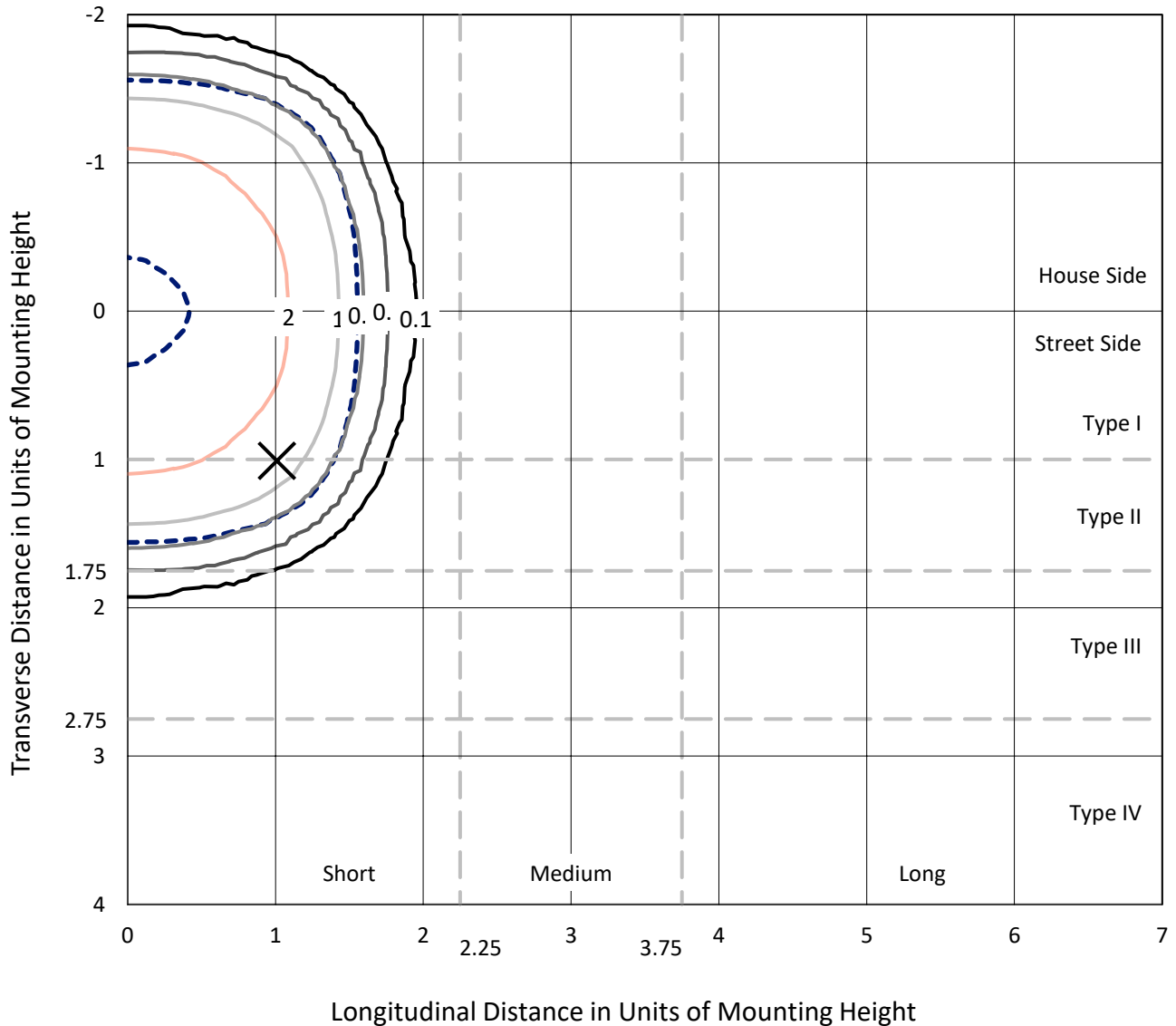
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

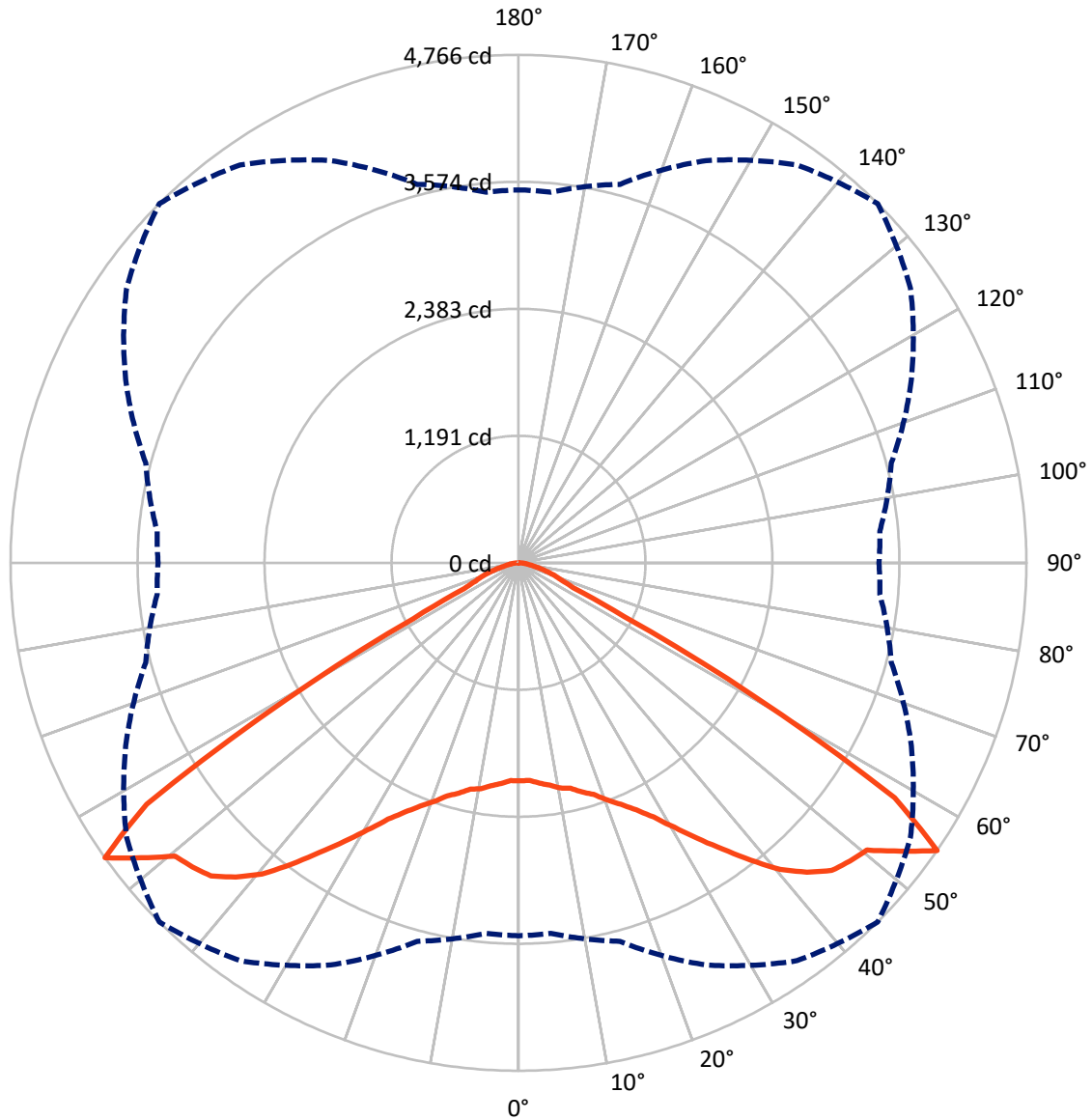
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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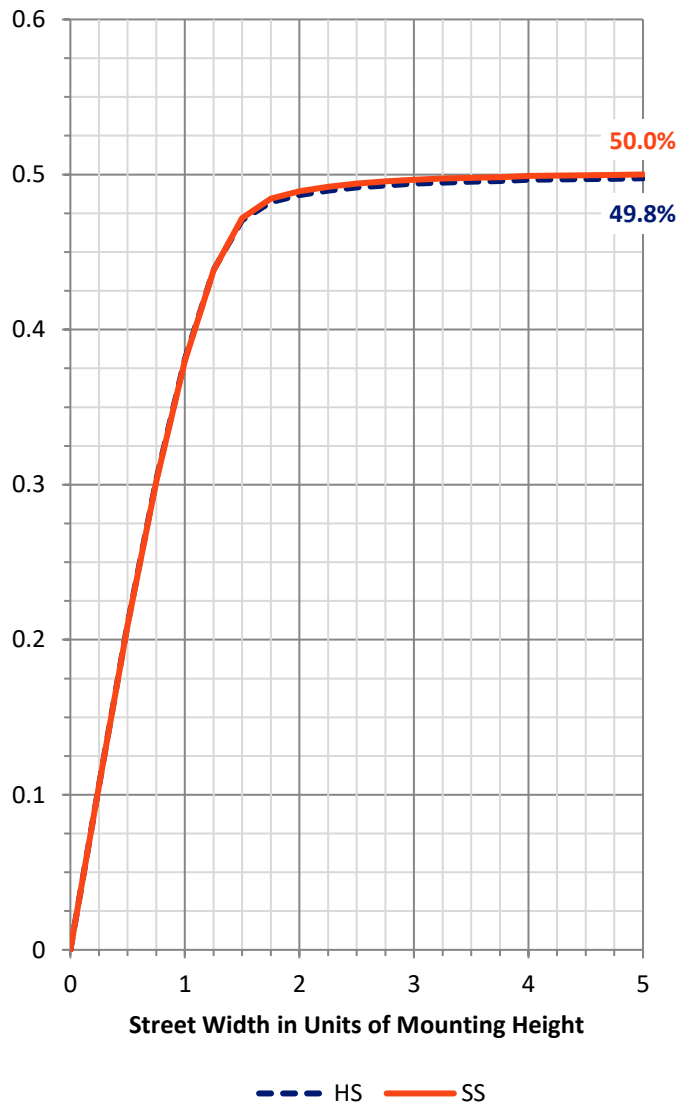
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5599.0	0.0	5599.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5599.0	0.0	5599.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11198.0	0.0	11198.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.7	1.8
10°-20°	632.9	5.7
20°-30°	1180.1	10.5
30°-40°	1975.9	17.6
40°-50°	3074.6	27.5
50°-60°	3192.4	28.5
60°-70°	677.0	6.0
70°-80°	223.0	2.0
80°-90°	42.5	0.4
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°	11198.0	100.0
0°-180°	11198.0	100.0

Coefficient of Utilization



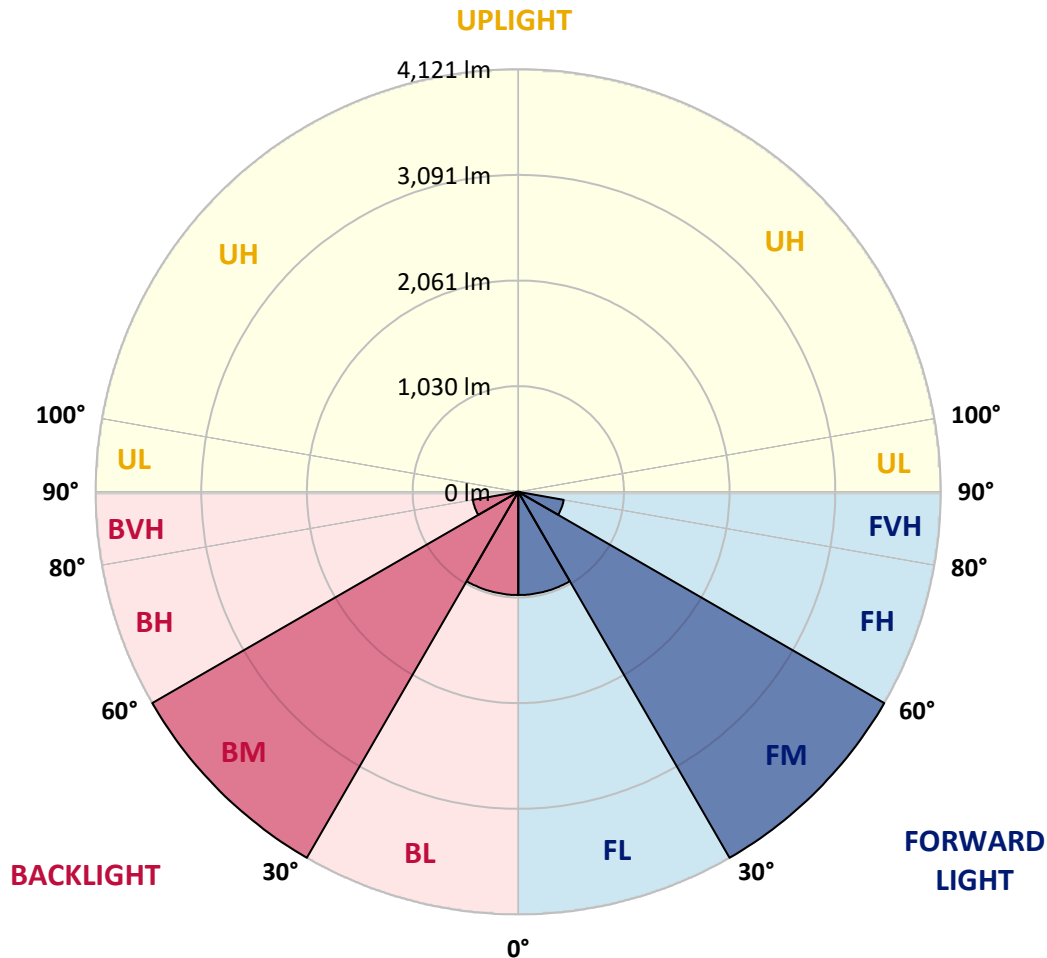
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.4	9.0			
FM (30°-60°)	4121.4	36.8			
FH (60°-80°)	450.0	4.0			G0/660
FVH (80°-90°)	21.2	0.2			G1/100
BL (0°-30°)	1006.4	9.0	B3/2500		
BM (30°-60°)	4121.4	36.8	B3/5000		
BH (60°-80°)	450.0	4.0	B1/500		G0/660
BVH (80°-90°)	21.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6	2044.6
2.5°	2068.9	2059.5	2043.2	2055.4	2064.9	2044.6	2052.7	2056.8	2054.1	2043.2	2047.3
5°	2098.7	2093.3	2079.8	2089.2	2077.1	2077.1	2068.9	2058.1	2074.4	2071.7	2078.4
7.5°	2098.7	2091.9	2119.0	2101.4	2106.8	2106.8	2093.3	2082.5	2090.6	2078.4	2071.7
10°	2140.7	2150.1	2138.0	2142.0	2139.3	2148.8	2128.5	2121.7	2115.0	2110.9	2102.8
12.5°	2190.7	2184.0	2188.0	2185.3	2194.8	2170.4	2158.3	2143.4	2155.5	2138.0	2150.1
15°	2231.3	2227.3	2231.3	2242.1	2232.7	2231.3	2209.7	2194.8	2175.8	2179.9	2161.0
17.5°	2286.8	2282.7	2284.1	2293.6	2292.2	2285.4	2269.2	2240.8	2234.0	2223.2	2211.0
20°	2369.3	2362.6	2359.9	2363.9	2370.7	2376.1	2343.6	2332.8	2309.8	2292.2	2271.9
22.5°	2439.7	2437.0	2447.8	2430.2	2445.1	2461.4	2430.2	2424.8	2368.0	2358.5	2336.9
25°	2537.1	2533.1	2526.3	2552.0	2569.6	2568.3	2538.5	2508.7	2465.4	2454.6	2454.6
27.5°	2640.0	2617.0	2652.1	2658.9	2690.0	2699.5	2673.8	2630.5	2589.9	2566.9	2572.3
30°	2768.5	2746.9	2755.0	2803.7	2844.3	2879.5	2814.5	2750.9	2694.1	2653.5	2646.7
32.5°	2897.1	2875.4	2899.8	2947.1	3028.3	3081.1	3017.5	2906.5	2840.2	2780.7	2792.9
35°	3001.3	3017.5	3056.7	3128.4	3212.3	3297.6	3196.1	3110.9	3016.1	2949.8	2959.3
37.5°	3169.0	3219.1	3250.2	3332.8	3451.8	3539.8	3434.3	3323.3	3221.8	3135.2	3105.4
40°	3388.3	3422.1	3457.3	3554.7	3695.4	3783.4	3683.2	3538.4	3438.3	3349.0	3345.0
42.5°	3629.1	3661.6	3698.1	3817.2	3901.1	3967.4	3875.4	3798.3	3687.3	3616.9	3612.9
45°	3909.2	3886.2	3926.8	4005.3	4075.6	4118.9	4059.4	4021.5	3941.7	3876.7	3870.0
47.5°	4095.9	4075.6	4148.7	4219.1	4229.9	4182.5	4194.7	4229.9	4146.0	4039.1	4072.9
50°	4204.2	4204.2	4252.9	4317.9	4297.6	4236.7	4332.7	4335.4	4251.6	4156.8	4156.8
52.5°	4016.1	4058.1	4196.1	4408.5	4476.2	4493.8	4472.1	4380.1	4160.9	3967.4	3957.9
55°	3499.2	3489.7	3676.5	4163.6	4557.4	4765.7	4489.7	4066.2	3621.0	3403.1	3381.5
57.5°	2276.0	2286.8	2565.5	3062.1	3772.5	4160.9	3695.4	3100.0	2565.5	2265.1	2293.6
60°	1024.3	1060.9	1230.0	1600.8	2211.0	2527.7	2216.4	1681.9	1290.9	1120.4	1135.3
62.5°	588.6	595.4	602.1	714.5	941.8	1113.6	978.3	755.0	665.7	636.0	636.0
65°	496.6	492.5	493.9	503.4	527.7	562.9	548.0	527.7	530.4	527.7	523.7
67.5°	422.2	427.6	423.5	430.3	431.7	437.1	446.5	454.7	456.0	458.7	456.0
70°	346.4	347.8	350.5	355.9	357.2	361.3	374.8	381.6	385.6	385.6	391.1
72.5°	265.2	263.9	266.6	272.0	278.7	280.1	292.3	301.7	307.2	300.4	301.7
75°	174.6	175.9	180.0	184.0	193.5	203.0	207.0	216.5	217.9	220.6	213.8
77.5°	104.2	106.9	111.0	119.1	127.2	135.3	144.8	151.6	154.3	151.6	143.4
80°	67.7	67.7	73.1	79.8	89.3	96.1	101.5	106.9	111.0	106.9	104.2
82.5°	41.9	41.9	48.7	56.8	63.6	67.7	75.8	82.5	86.6	83.9	79.8
85°	21.7	23.0	28.4	35.2	40.6	43.3	41.9	37.9	33.8	32.5	29.8
87.5°	6.8	6.8	8.1	8.1	6.8	6.8	8.1	6.8	8.1	8.1	8.1
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)