

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: P527936

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)
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-5MQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10974 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

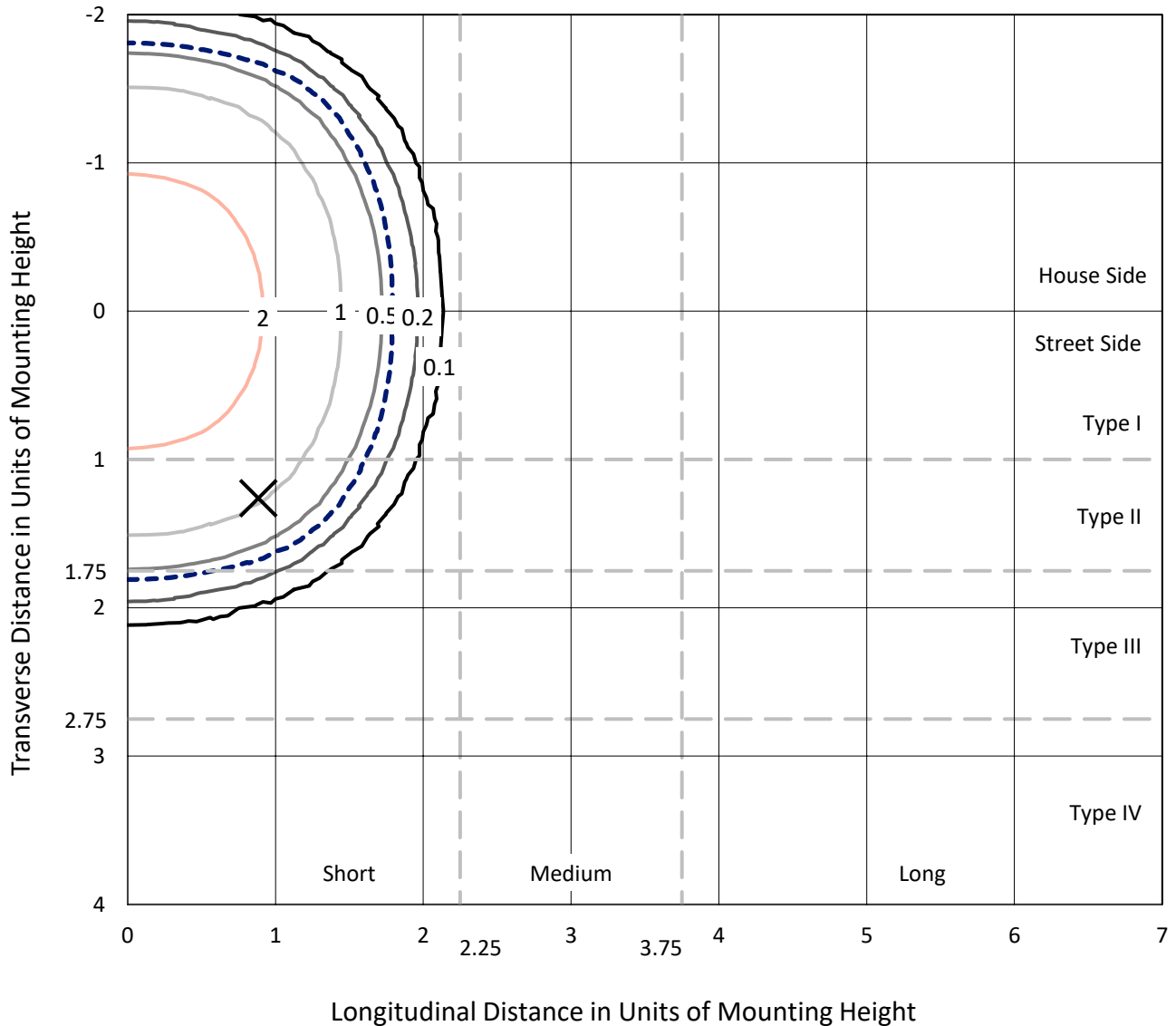
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

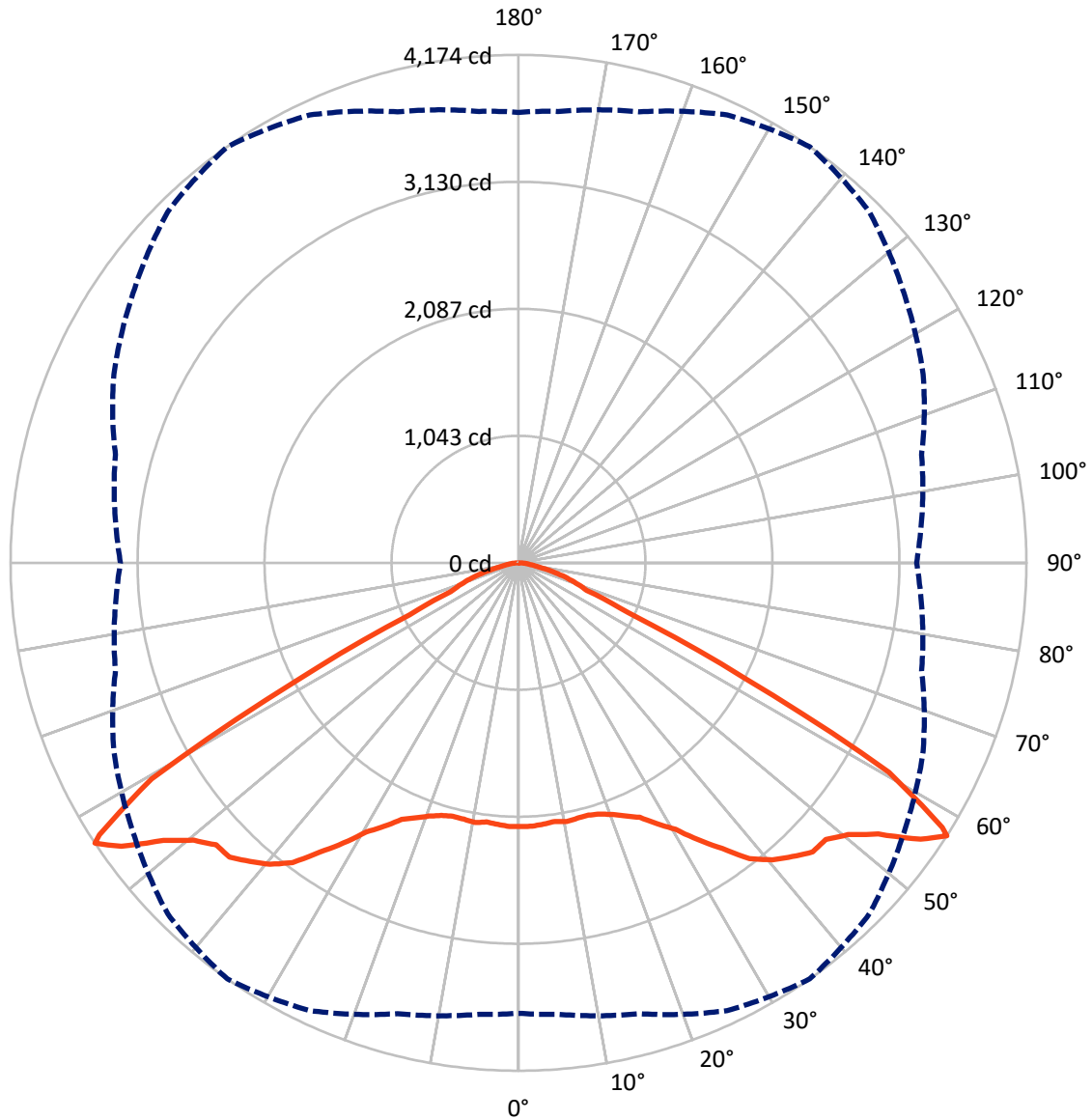
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

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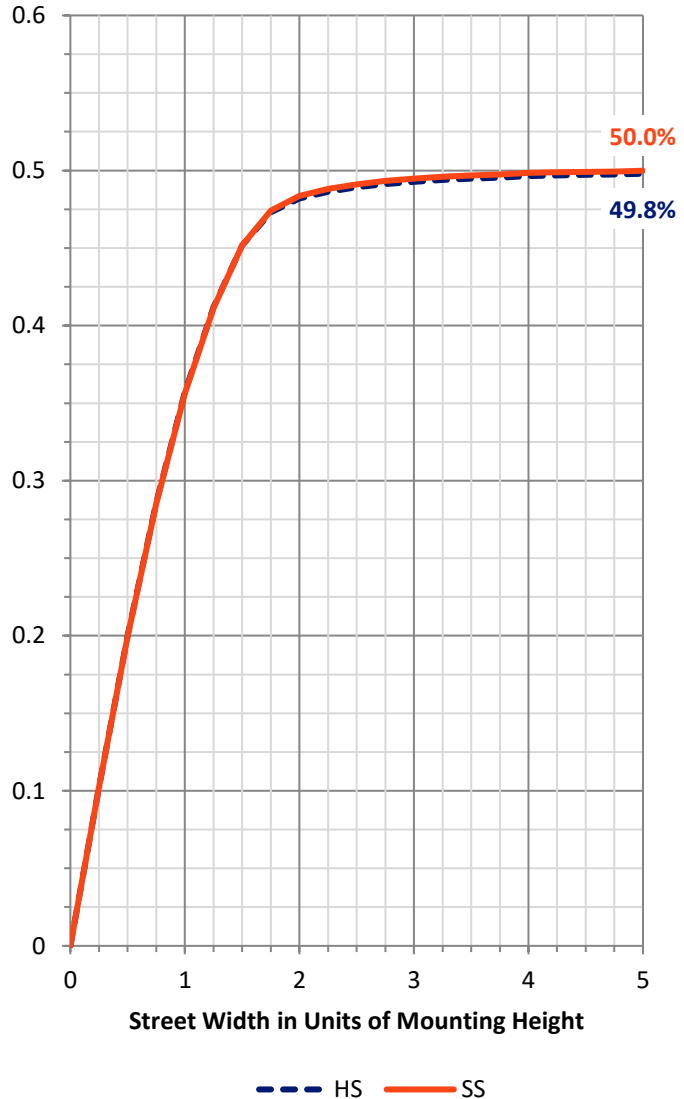
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5487.0	0.0	5487.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5487.0	0.0	5487.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	10974.0	0.0	10974.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.5	1.9
10°-20°	608.5	5.5
20°-30°	1062.8	9.7
30°-40°	1741.4	15.9
40°-50°	2553.3	23.3
50°-60°	3216.1	29.3
60°-70°	1209.6	11.0
70°-80°	321.6	2.9
80°-90°	55.1	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°	10974.0	100.0
0°-180°	10974.0	100.0

Coefficient of Utilization

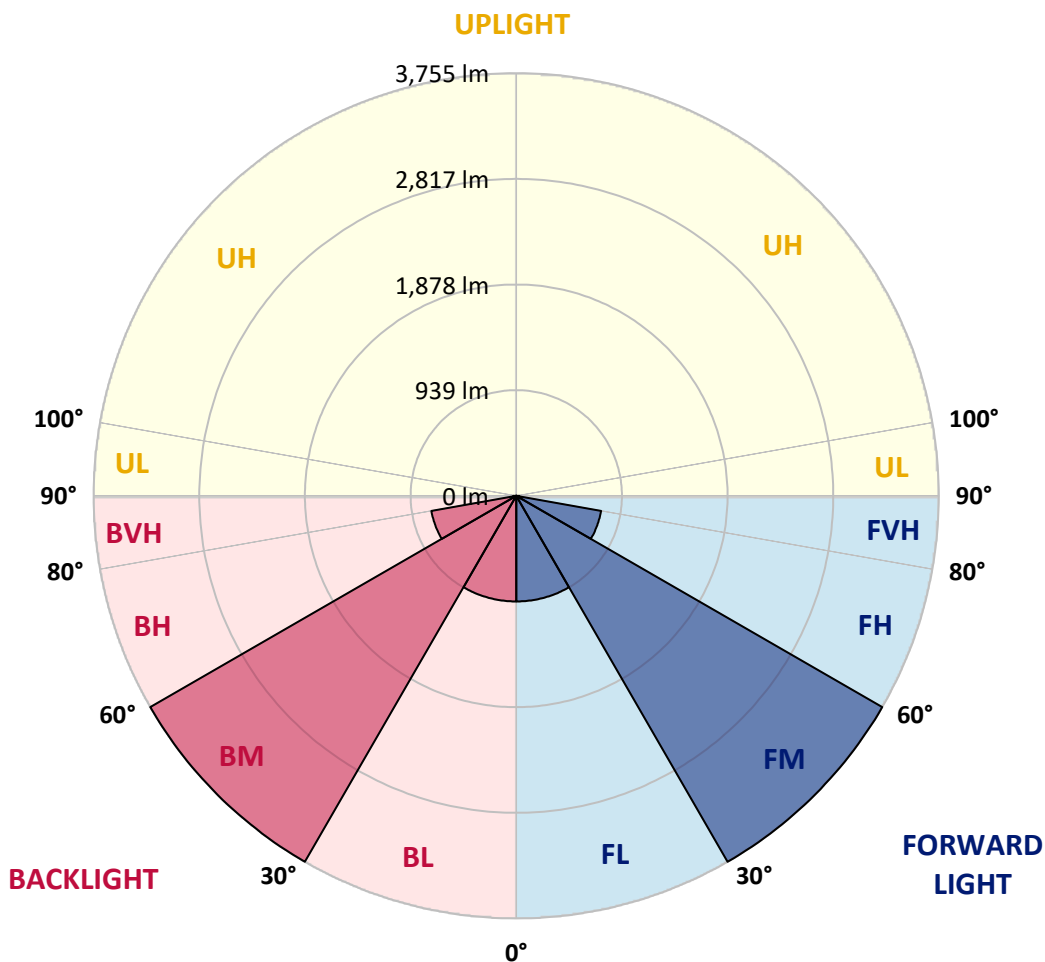


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	938.4	8.6			
FM (30°-60°)	3755.4	34.2			
FH (60°-80°)	765.6	7.0			G1/1800
FVH (80°-90°)	27.6	0.3			G1/100
BL (0°-30°)	938.4	8.6	B2/1000		
BM (30°-60°)	3755.4	34.2	B3/5000		
BH (60°-80°)	765.6	7.0	B2/1000		G1/1800
BVH (80°-90°)	27.6	0.3			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°	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3
2.5°	2156.5	2178.1	2168.6	2163.2	2167.3	2160.5	2149.7	2161.9	2159.2	2148.4	2144.3
5°	2151.1	2167.3	2156.5	2167.3	2156.5	2175.4	2170.0	2149.7	2174.0	2151.1	2159.2
7.5°	2147.0	2152.4	2155.1	2149.7	2145.7	2168.6	2156.5	2147.0	2133.5	2129.4	2136.2
10°	2137.5	2151.1	2130.8	2157.8	2163.2	2147.0	2147.0	2129.4	2118.6	2111.9	2134.8
12.5°	2161.9	2138.9	2136.2	2149.7	2153.8	2160.5	2141.6	2132.1	2111.9	2114.6	2110.5
15°	2133.5	2142.9	2144.3	2147.0	2151.1	2167.3	2149.7	2129.4	2121.3	2092.9	2095.6
17.5°	2144.3	2134.8	2144.3	2175.4	2170.0	2182.2	2163.2	2132.1	2113.2	2097.0	2118.6
20°	2163.2	2159.2	2163.2	2201.1	2207.8	2218.7	2202.4	2174.0	2137.5	2118.6	2129.4
22.5°	2183.5	2180.8	2183.5	2220.0	2259.2	2272.7	2256.5	2190.3	2171.3	2136.2	2124.0
25°	2220.0	2222.7	2251.1	2291.7	2317.4	2343.0	2313.3	2266.0	2205.1	2183.5	2157.8
27.5°	2301.1	2307.9	2324.1	2383.6	2428.2	2451.2	2409.3	2344.4	2306.5	2261.9	2255.2
30°	2401.2	2401.2	2429.6	2481.0	2541.8	2576.9	2525.6	2448.5	2402.5	2378.2	2363.3
32.5°	2533.7	2518.8	2529.6	2620.2	2714.9	2744.6	2675.6	2581.0	2508.0	2475.5	2464.7
35°	2647.3	2656.7	2681.1	2778.4	2883.9	2952.8	2844.6	2721.6	2647.3	2617.5	2612.1
37.5°	2794.6	2810.8	2823.0	2956.9	3084.0	3109.6	3005.5	2906.8	2816.3	2791.9	2778.4
40°	3002.8	2992.0	2996.1	3094.8	3209.7	3225.9	3123.2	3052.9	2978.5	2963.6	2963.6
42.5°	3174.5	3162.4	3175.9	3212.4	3300.3	3288.1	3231.3	3179.9	3148.8	3132.6	3148.8
45°	3278.6	3275.9	3300.3	3327.3	3389.5	3348.9	3304.3	3312.4	3282.7	3255.7	3254.3
47.5°	3392.2	3374.6	3404.4	3444.9	3397.6	3378.7	3376.0	3393.6	3384.1	3336.8	3321.9
50°	3447.6	3440.9	3488.2	3535.5	3509.8	3466.6	3476.0	3504.4	3382.7	3319.2	3282.7
52.5°	3596.4	3597.7	3688.3	3714.0	3703.2	3639.6	3659.9	3582.8	3439.5	3350.3	3354.4
55°	3830.3	3820.8	3922.2	3997.9	4010.1	3929.0	3831.6	3723.5	3543.6	3453.1	3426.0
57°	3701.8	3723.5	3835.7	4060.1	4173.7	4077.7	3865.4	3668.0	3428.7	3319.2	3270.5
57.5°	3530.1	3565.3	3760.0	3985.7	4104.7	4096.6	3823.5	3565.3	3351.7	3181.3	3185.4
60°	2586.4	2593.2	2768.9	3127.2	3499.0	3507.1	3174.5	2832.5	2594.5	2409.3	2435.0
62.5°	1364.2	1395.3	1465.6	1753.6	2075.3	2153.8	1952.3	1776.6	1571.0	1430.4	1444.0
65°	722.0	717.9	751.7	832.8	991.0	1031.6	1004.5	865.3	793.6	770.7	772.0
67.5°	586.8	593.5	589.5	593.5	604.4	621.9	617.9	623.3	627.3	634.1	632.7
70°	497.5	497.5	500.2	501.6	501.6	509.7	519.2	536.8	538.1	544.9	547.6
72.5°	392.1	389.4	393.4	402.9	404.3	411.0	424.5	435.3	439.4	439.4	431.3
75°	266.3	269.1	274.5	282.6	290.7	302.9	313.7	320.4	323.1	319.1	315.0
77.5°	150.1	152.8	156.8	169.0	178.5	189.3	201.5	208.2	215.0	216.3	208.2
80°	89.2	89.2	96.0	105.5	116.3	127.1	137.9	146.0	148.7	148.7	144.7
82.5°	54.1	55.4	60.8	70.3	79.8	86.5	96.0	102.8	108.2	106.8	104.1
85°	28.4	28.4	33.8	41.9	48.7	55.4	55.4	51.4	48.7	41.9	39.2
87.5°	9.5	8.1	10.8	10.8	9.5	10.8	10.8	12.2	12.2	12.2	12.2
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)