

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: P452091

Luminaire Tested: **GALN-SA3A-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P452091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA3A-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12411 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B3 - U0 - G3

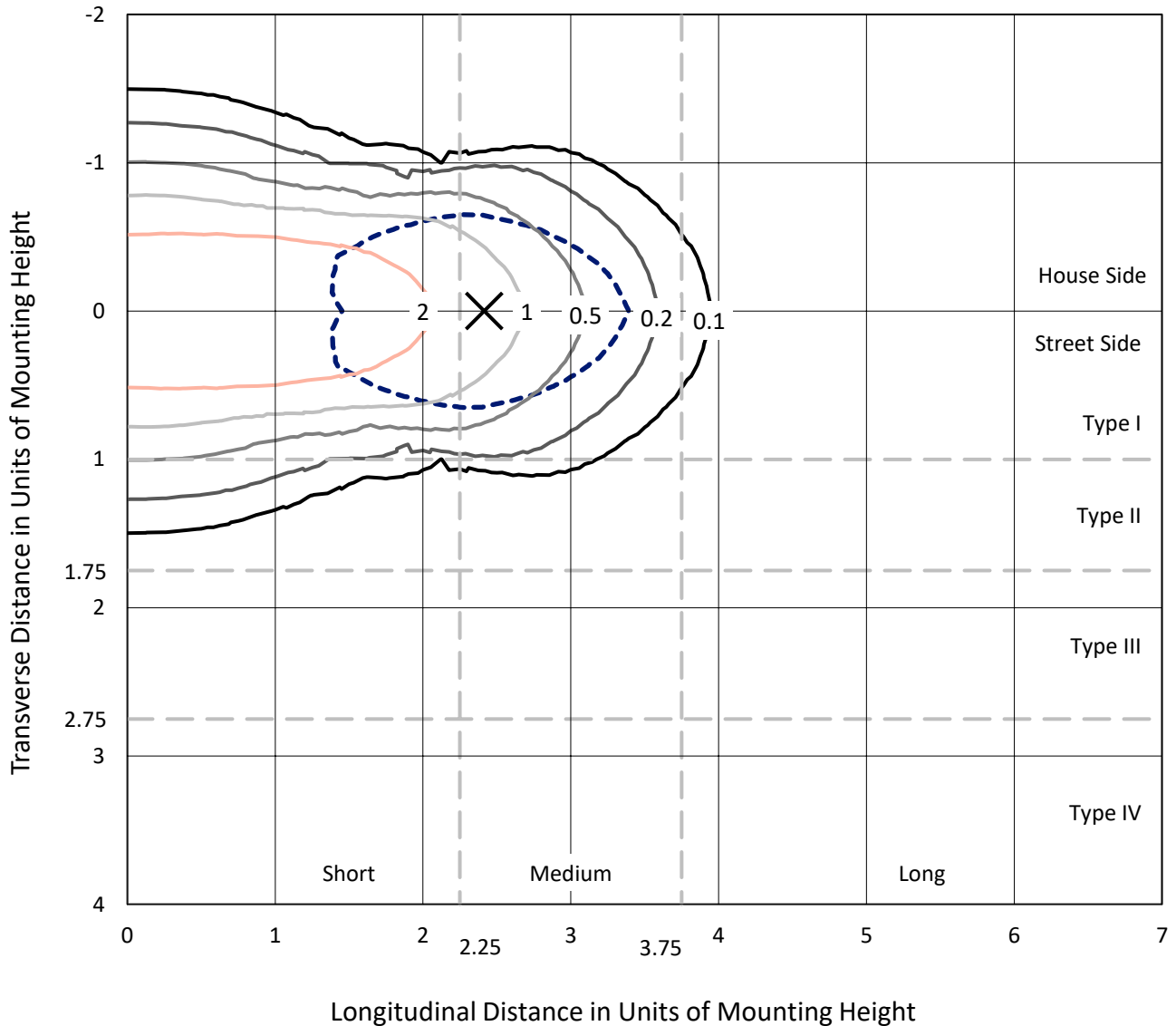
Input Watts (W): 93
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

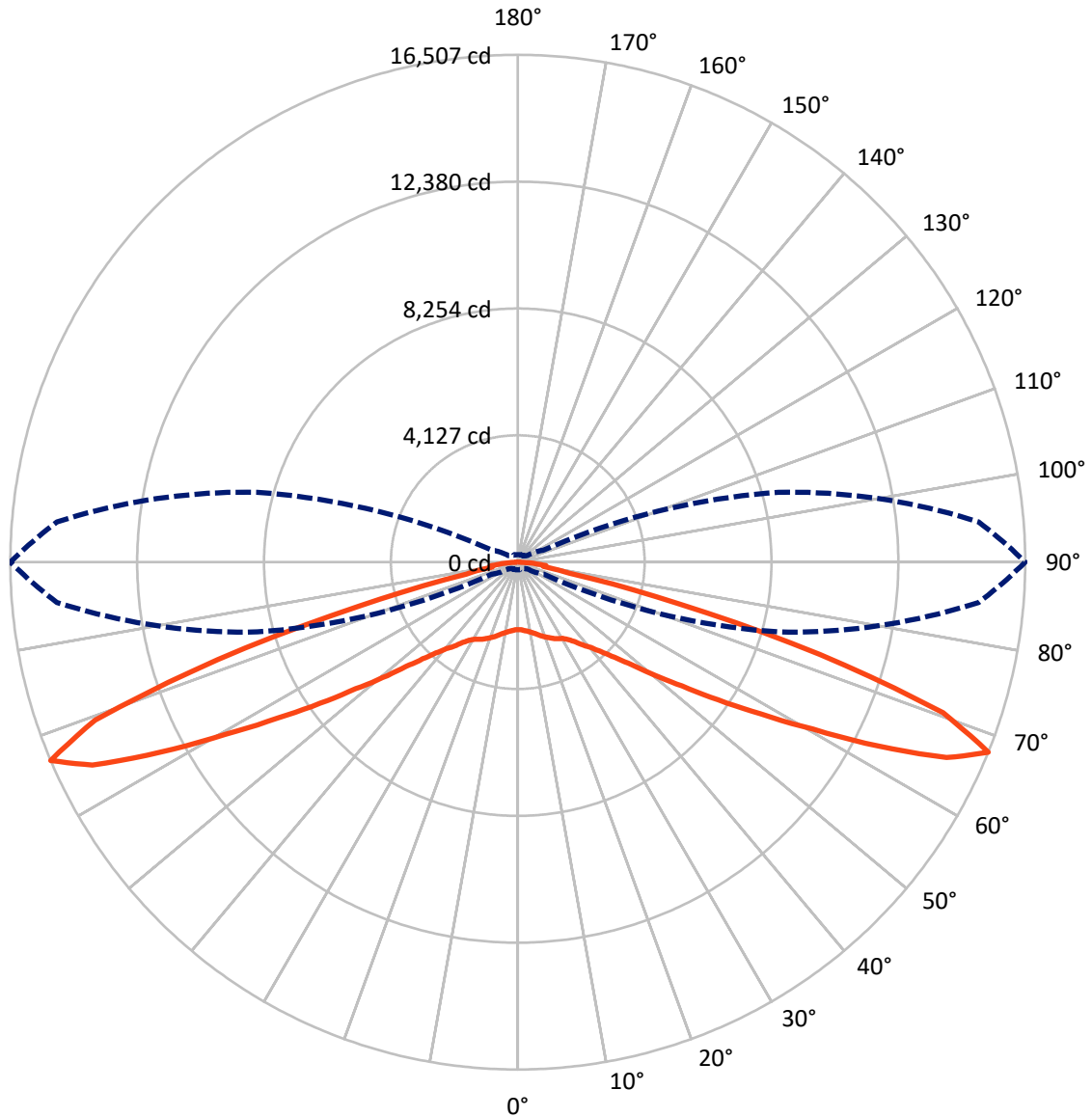
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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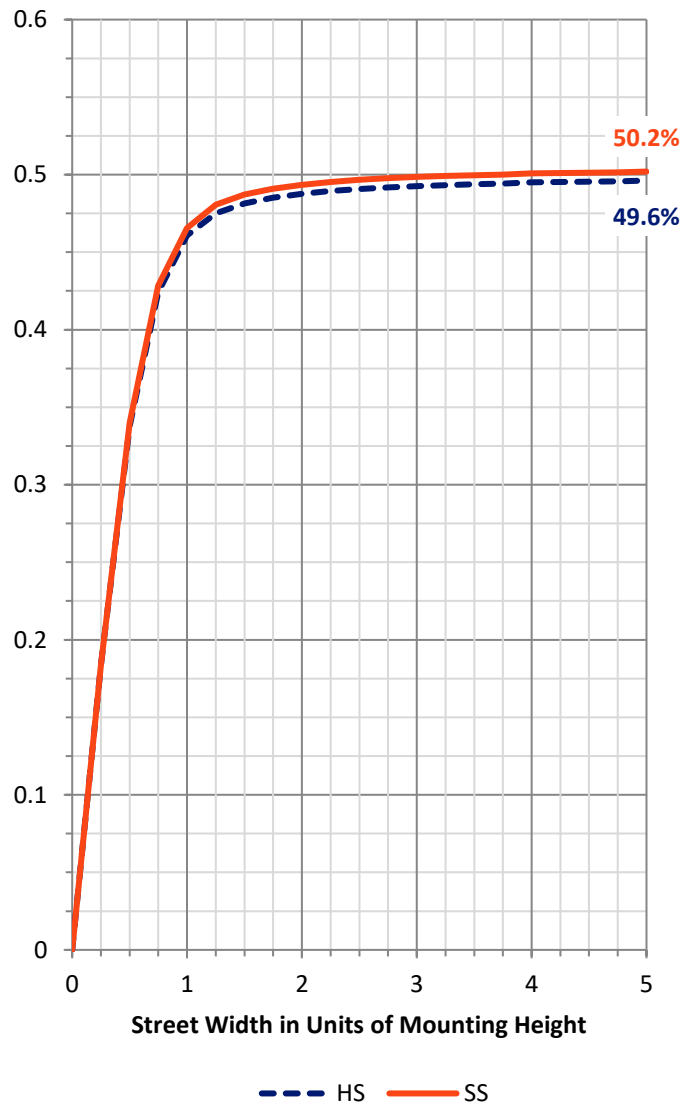
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6205.5	0.0	6205.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6205.5	0.0	6205.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12411.0	0.0	12411.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.1	1.8
10°-20°	700.9	5.6
20°-30°	1173.1	9.5
30°-40°	1589.2	12.8
40°-50°	2013.0	16.2
50°-60°	2514.7	20.3
60°-70°	2955.9	23.8
70°-80°	1130.8	9.1
80°-90°	114.6	0.9
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°	12411.0	100.0
0°-180°	12411.0	100.0



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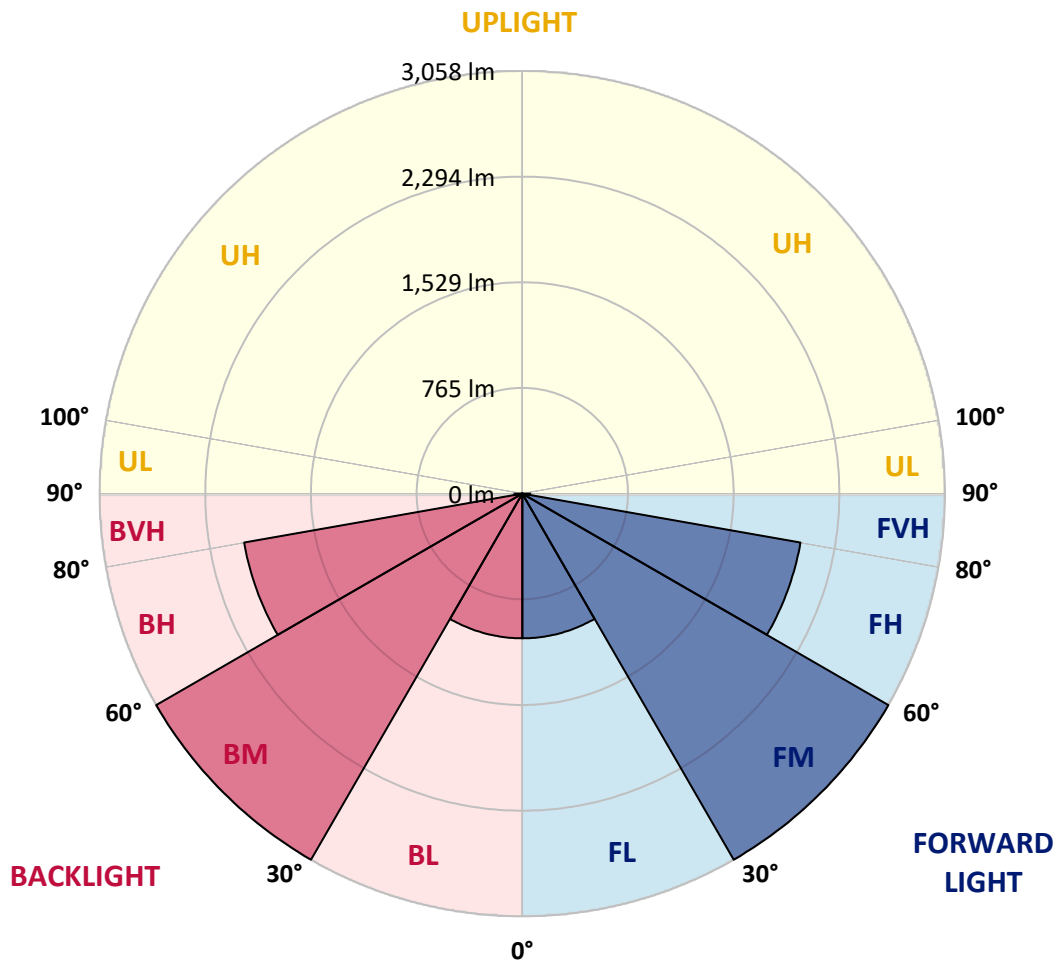
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1046.5	8.4			
FM (30°-60°)	3058.4	24.6			
FH (60°-80°)	2043.3	16.5			G2/5000
FVH (80°-90°)	57.3	0.5			G1/100
BL (0°-30°)	1046.5	8.4	B3/2500		
BM (30°-60°)	3058.4	24.6	B3/5000		
BH (60°-80°)	2043.3	16.5	B3/2500		G3/2500
BVH (80°-90°)	57.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1	2197.1
2.5°	2225.3	2223.9	2224.6	2223.9	2226.0	2224.6	2216.4	2209.5	2204.0	2204.7	2202.6
5°	2272.7	2273.4	2274.1	2270.7	2275.5	2272.7	2259.7	2248.7	2237.7	2233.6	2232.2
7.5°	2311.9	2315.3	2317.4	2320.8	2329.1	2329.1	2322.2	2306.4	2282.4	2268.6	2267.9
10°	2351.1	2353.8	2360.0	2371.0	2384.8	2397.8	2395.1	2373.8	2342.8	2319.5	2314.0
12.5°	2364.8	2368.3	2388.9	2420.5	2451.4	2476.8	2476.8	2459.7	2419.8	2384.1	2373.8
15°	2316.7	2322.9	2360.0	2427.4	2508.5	2564.1	2576.5	2552.4	2509.8	2454.9	2442.5
17.5°	2221.2	2236.3	2290.6	2390.3	2525.0	2640.4	2676.1	2664.5	2609.5	2539.4	2525.0
20°	2118.8	2135.3	2193.0	2325.0	2511.2	2685.1	2788.9	2791.6	2723.6	2621.9	2600.5
22.5°	2006.1	2018.4	2092.7	2247.3	2470.0	2695.4	2885.8	2933.2	2841.1	2704.3	2674.1
25°	1879.6	1893.4	1971.0	2138.0	2392.3	2683.7	2974.4	3078.9	2964.1	2792.3	2753.8
27.5°	1758.7	1764.2	1847.3	2017.1	2289.9	2653.5	3039.7	3212.9	3100.2	2865.1	2816.3
30°	1642.5	1655.6	1729.1	1896.8	2172.4	2594.4	3096.1	3365.5	3246.6	2941.4	2878.9
32.5°	1519.5	1535.3	1615.0	1784.8	2054.9	2505.7	3130.4	3532.5	3450.7	3065.1	2998.5
35°	1401.3	1411.6	1492.0	1657.0	1940.1	2402.6	3136.6	3720.8	3713.9	3252.7	3164.1
37.5°	1280.3	1295.5	1376.6	1534.6	1818.5	2293.3	3105.7	3920.8	4031.4	3513.2	3417.7
40°	1164.2	1177.3	1257.0	1416.4	1680.3	2160.0	3032.1	4103.6	4401.8	3781.2	3645.9
42.5°	1037.7	1041.2	1128.5	1290.7	1544.9	2005.4	2926.3	4266.4	4814.9	4140.7	3972.3
45°	894.1	903.0	984.1	1143.6	1389.6	1832.2	2782.7	4401.1	5338.5	4638.9	4409.4
47.5°	750.5	758.0	832.3	989.6	1219.9	1633.6	2561.4	4519.3	5876.0	5271.9	4970.9
50°	610.3	614.4	674.9	814.4	1028.8	1424.7	2287.2	4557.1	6483.5	6168.1	5783.9
52.5°	482.4	488.6	534.7	644.0	824.7	1177.9	1991.0	4463.7	7192.7	7230.5	6689.0
55°	391.0	393.1	427.5	507.9	644.6	919.5	1633.6	4203.2	7955.6	8592.0	7901.3
57.5°	336.8	338.1	357.4	402.0	496.2	693.4	1267.3	3710.5	8640.8	10187.1	9299.2
60°	305.8	306.5	317.5	343.6	393.1	531.9	907.9	3015.0	9317.0	11962.2	11036.5
62.5°	286.6	286.6	294.1	308.6	332.6	408.2	657.7	2175.1	9780.2	13763.5	13178.0
65°	268.0	268.0	273.5	283.8	296.9	334.0	485.9	1418.5	9768.6	15075.5	15331.8
67.5°	246.7	246.7	250.8	261.2	268.7	287.3	375.2	929.2	8774.8	15046.6	16507.0
70°	221.3	221.3	226.8	235.7	241.9	253.6	296.2	635.7	6446.4	12847.4	14680.3
72.5°	195.9	196.6	200.0	208.9	213.7	220.6	246.0	445.3	3954.4	8748.0	10264.7
75°	167.7	169.1	172.5	181.4	185.6	188.3	207.5	317.5	2000.6	4716.6	5370.2
77.5°	135.4	138.1	140.2	149.8	152.6	156.7	171.1	229.5	878.3	1694.8	1709.9
80°	99.0	102.4	108.6	117.5	119.6	122.3	130.6	162.9	397.9	773.8	840.5
82.5°	72.8	77.7	70.1	81.8	81.8	78.3	92.1	109.3	182.8	766.3	916.8
85°	39.9	40.5	36.4	41.9	44.7	44.0	48.8	53.6	88.7	511.3	527.1
87.5°	9.6	10.3	11.0	13.1	15.8	15.8	17.2	15.1	28.9	165.6	94.8
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)