

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: P527964

Luminaire Tested: **GALN-SA3A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527964
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-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 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: 11455 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

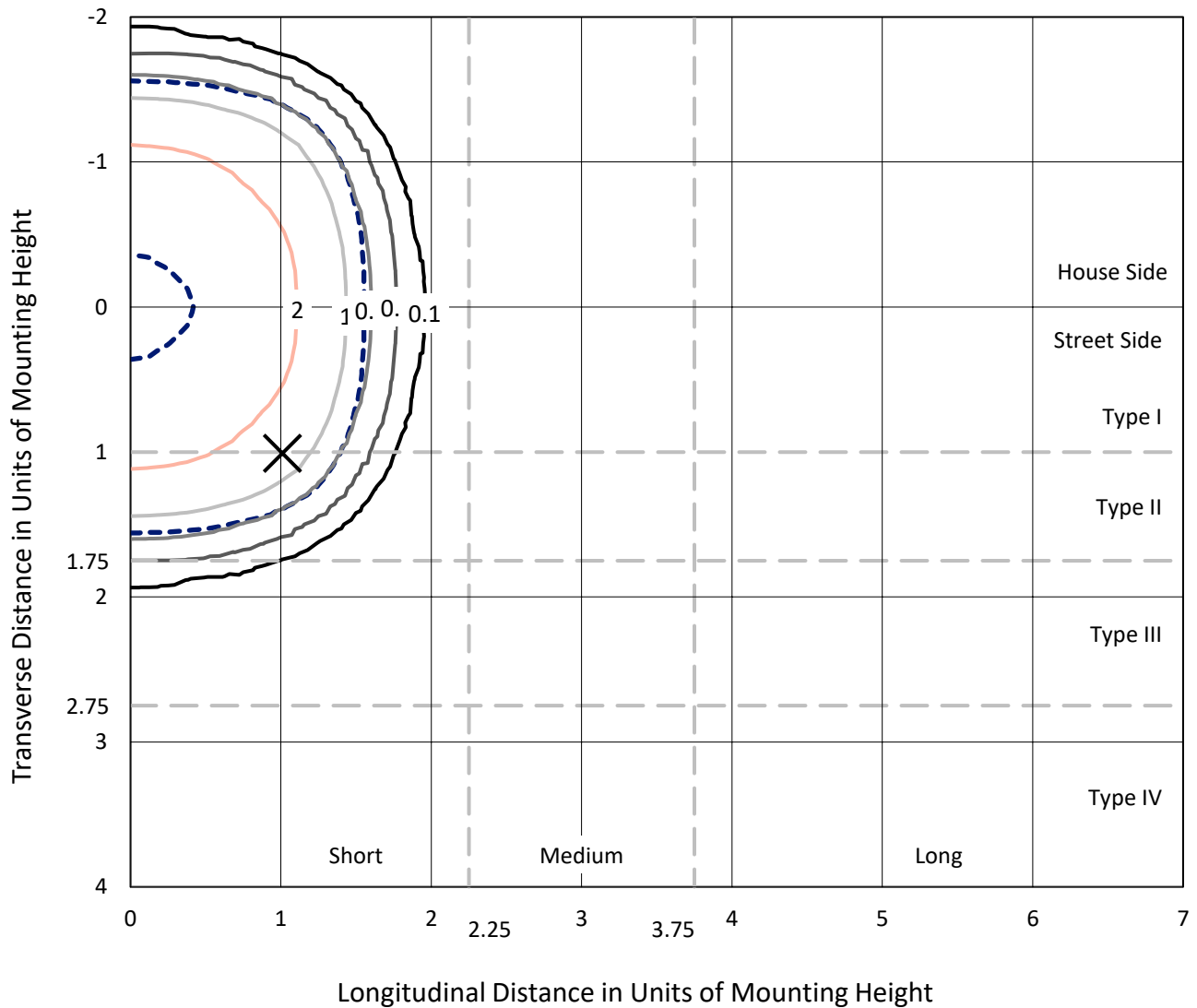
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

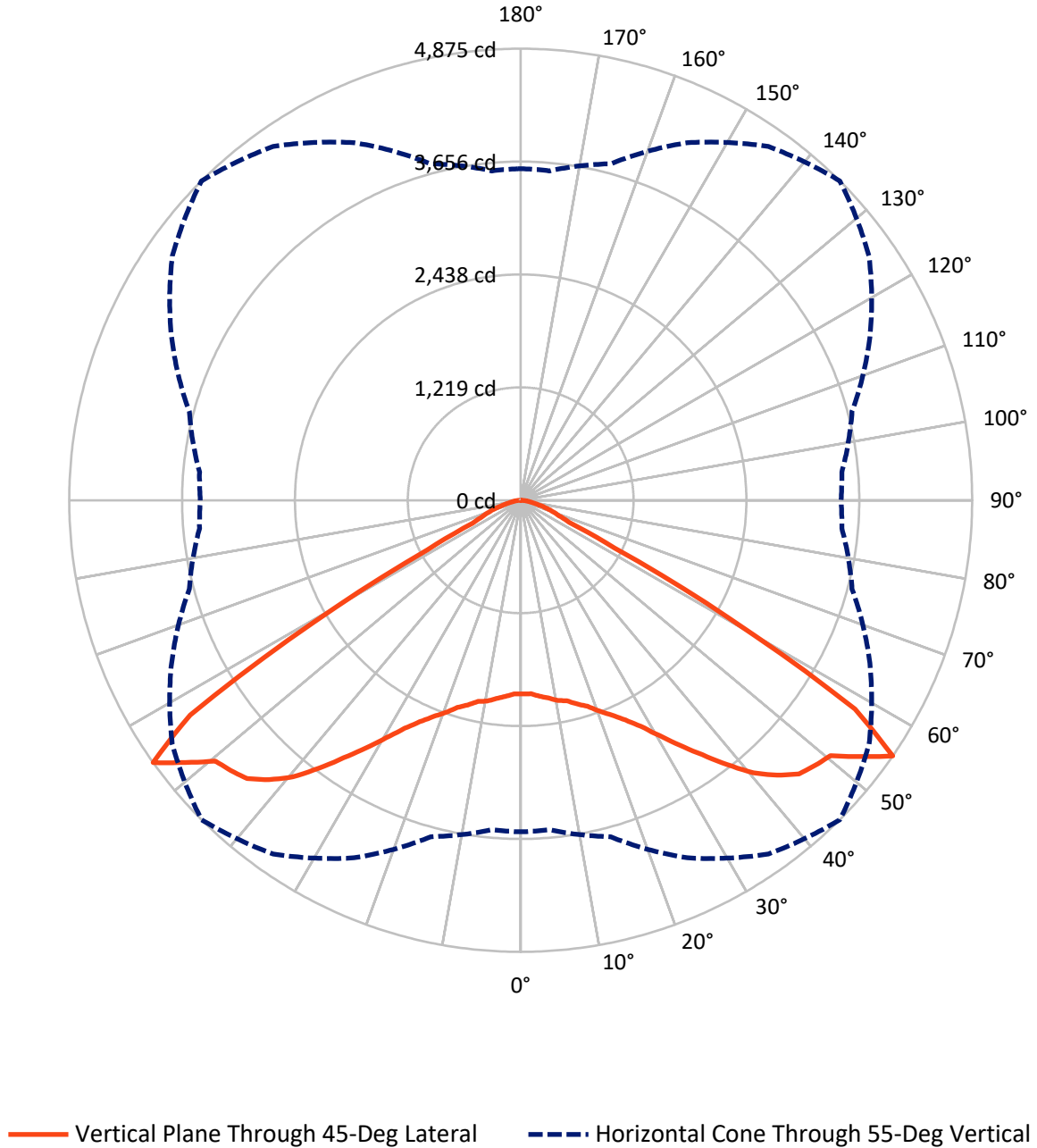
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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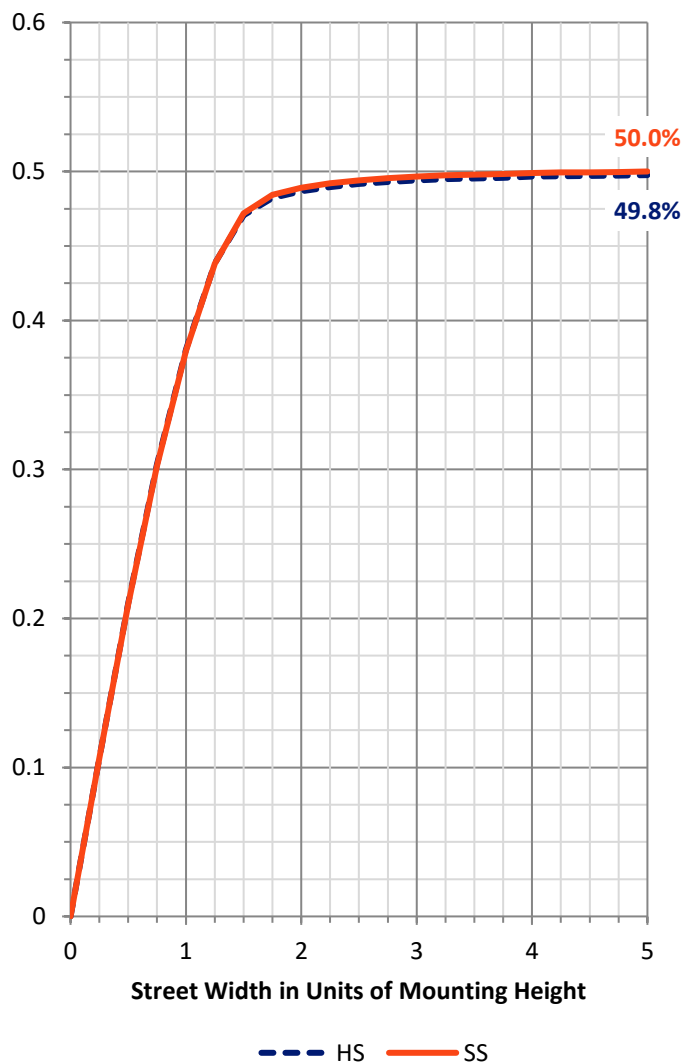
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5727.5	0.0	5727.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5727.5	0.0	5727.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11455.0	0.0	11455.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.3	1.8
10°-20°	647.4	5.7
20°-30°	1207.2	10.5
30°-40°	2021.2	17.6
40°-50°	3145.2	27.5
50°-60°	3265.7	28.5
60°-70°	692.5	6.0
70°-80°	228.1	2.0
80°-90°	43.4	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°	11455.0	100.0
0°-180°	11455.0	100.0

Coefficient of Utilization



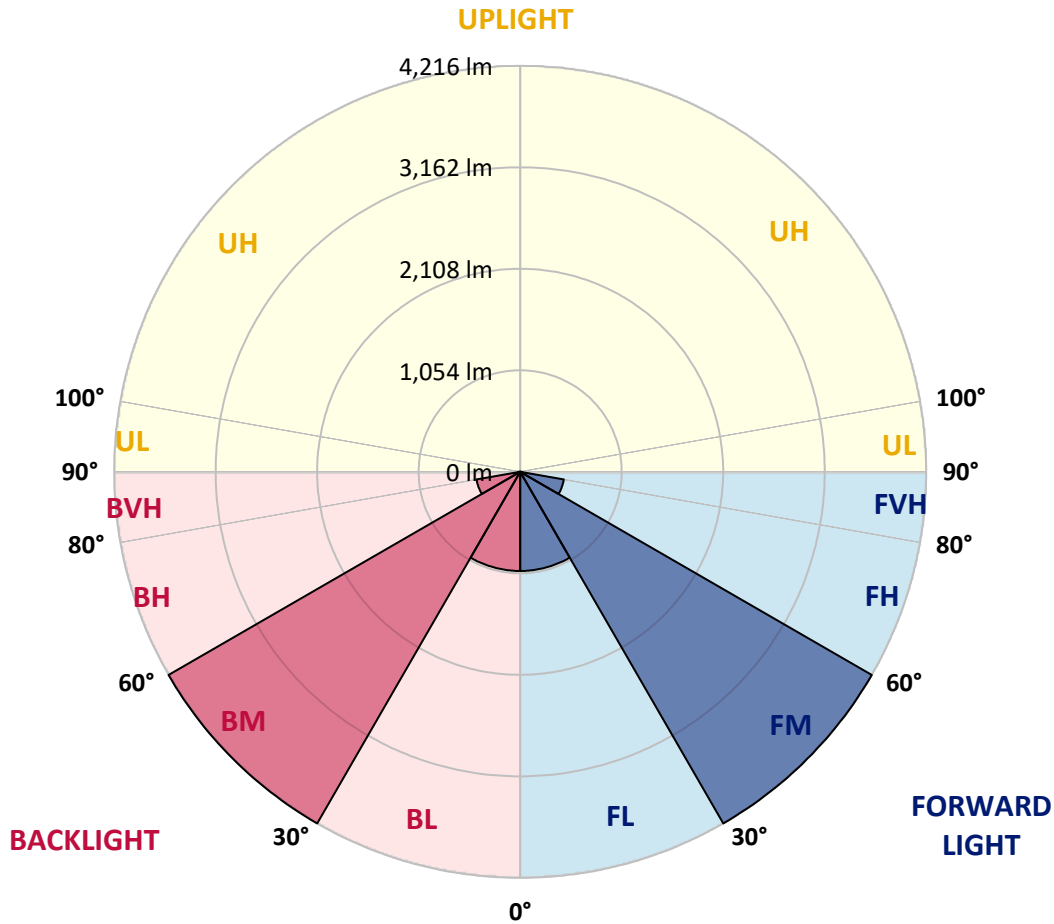
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.4	9.0			
FM (30°-60°)	4216.0	36.8			
FH (60°-80°)	460.3	4.0			G0/660
FVH (80°-90°)	21.7	0.2			G1/100
BL (0°-30°)	1029.4	9.0	B3/2500		
BM (30°-60°)	4216.0	36.8	B3/5000		
BH (60°-80°)	460.3	4.0	B1/500		G0/660
BVH (80°-90°)	21.7	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°	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5	2091.5
2.5°	2116.4	2106.7	2090.1	2102.6	2112.3	2091.5	2099.8	2104.0	2101.2	2090.1	2094.3
5°	2146.9	2141.3	2127.5	2137.2	2124.7	2124.7	2116.4	2105.4	2122.0	2119.2	2126.1
7.5°	2146.9	2140.0	2167.6	2149.6	2155.2	2155.2	2141.3	2130.3	2138.6	2126.1	2119.2
10°	2189.8	2199.5	2187.0	2191.2	2188.4	2198.1	2177.3	2170.4	2163.5	2159.3	2151.0
12.5°	2241.0	2234.1	2238.2	2235.5	2245.2	2220.2	2207.8	2192.6	2205.0	2187.0	2199.5
15°	2282.5	2278.4	2282.5	2293.6	2283.9	2282.5	2260.4	2245.2	2225.8	2229.9	2210.6
17.5°	2339.3	2335.1	2336.5	2346.2	2344.8	2337.9	2321.3	2292.2	2285.3	2274.2	2261.8
20°	2423.7	2416.8	2414.0	2418.2	2425.1	2430.6	2397.4	2386.3	2362.8	2344.8	2324.1
22.5°	2495.7	2492.9	2504.0	2486.0	2501.2	2517.8	2486.0	2480.5	2422.3	2412.6	2390.5
25°	2595.4	2591.2	2584.3	2610.6	2628.6	2627.2	2596.7	2566.3	2522.0	2510.9	2510.9
27.5°	2700.6	2677.0	2713.0	2719.9	2751.8	2761.5	2735.2	2690.9	2649.3	2625.8	2631.3
30°	2832.1	2809.9	2818.2	2868.0	2909.6	2945.6	2879.1	2814.1	2755.9	2714.4	2707.5
32.5°	2963.6	2941.4	2966.3	3014.8	3097.8	3151.8	3086.7	2973.2	2905.4	2844.5	2857.0
35°	3070.1	3086.7	3126.9	3200.2	3286.1	3373.3	3269.5	3182.3	3085.4	3017.5	3027.2
37.5°	3241.8	3293.0	3324.8	3409.3	3531.1	3621.0	3513.1	3399.6	3295.8	3207.2	3176.7
40°	3466.0	3500.6	3536.6	3636.3	3780.2	3870.2	3767.8	3619.7	3517.2	3425.9	3421.7
42.5°	3712.4	3745.6	3783.0	3904.8	3990.6	4058.4	3964.3	3885.4	3771.9	3699.9	3695.8
45°	3998.9	3975.4	4016.9	4097.2	4169.2	4213.5	4152.6	4113.8	4032.1	3965.7	3958.8
47.5°	4189.9	4169.2	4243.9	4315.9	4327.0	4278.5	4291.0	4327.0	4241.2	4131.8	4166.4
50°	4300.7	4300.7	4350.5	4417.0	4396.2	4333.9	4432.2	4434.9	4349.1	4252.2	4252.2
52.5°	4108.3	4151.2	4292.4	4509.7	4578.9	4596.9	4574.8	4480.6	4256.4	4058.4	4048.8
55°	3579.5	3569.8	3760.8	4259.2	4662.0	4875.1	4592.7	4159.5	3704.1	3481.2	3459.1
57.5°	2328.2	2339.3	2624.4	3132.4	3859.1	4256.4	3780.2	3171.2	2624.4	2317.1	2346.2
60°	1047.8	1085.2	1258.2	1637.5	2261.8	2585.7	2267.3	1720.5	1320.5	1146.1	1161.3
62.5°	602.1	609.0	616.0	730.9	963.4	1139.2	1000.8	772.4	681.0	650.6	650.6
65°	508.0	503.8	505.2	514.9	539.8	575.8	560.6	539.8	542.6	539.8	535.7
67.5°	431.9	437.4	433.3	440.2	441.6	447.1	456.8	465.1	466.5	469.2	466.5
70°	354.4	355.7	358.5	364.0	365.4	369.6	383.4	390.3	394.5	394.5	400.0
72.5°	271.3	269.9	272.7	278.2	285.1	286.5	299.0	308.7	314.2	307.3	308.7
75°	178.6	179.9	184.1	188.2	197.9	207.6	211.8	221.5	222.9	225.6	218.7
77.5°	106.6	109.4	113.5	121.8	130.1	138.4	148.1	155.0	157.8	155.0	146.7
80°	69.2	69.2	74.7	81.7	91.4	98.3	103.8	109.4	113.5	109.4	106.6
82.5°	42.9	42.9	49.8	58.1	65.1	69.2	77.5	84.4	88.6	85.8	81.7
85°	22.1	23.5	29.1	36.0	41.5	44.3	42.9	38.8	34.6	33.2	30.5
87.5°	6.9	6.9	8.3	8.3	6.9	6.9	8.3	6.9	8.3	8.3	8.3
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)