

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: P527970

Luminaire Tested: **GALN-SA3A-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11143 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

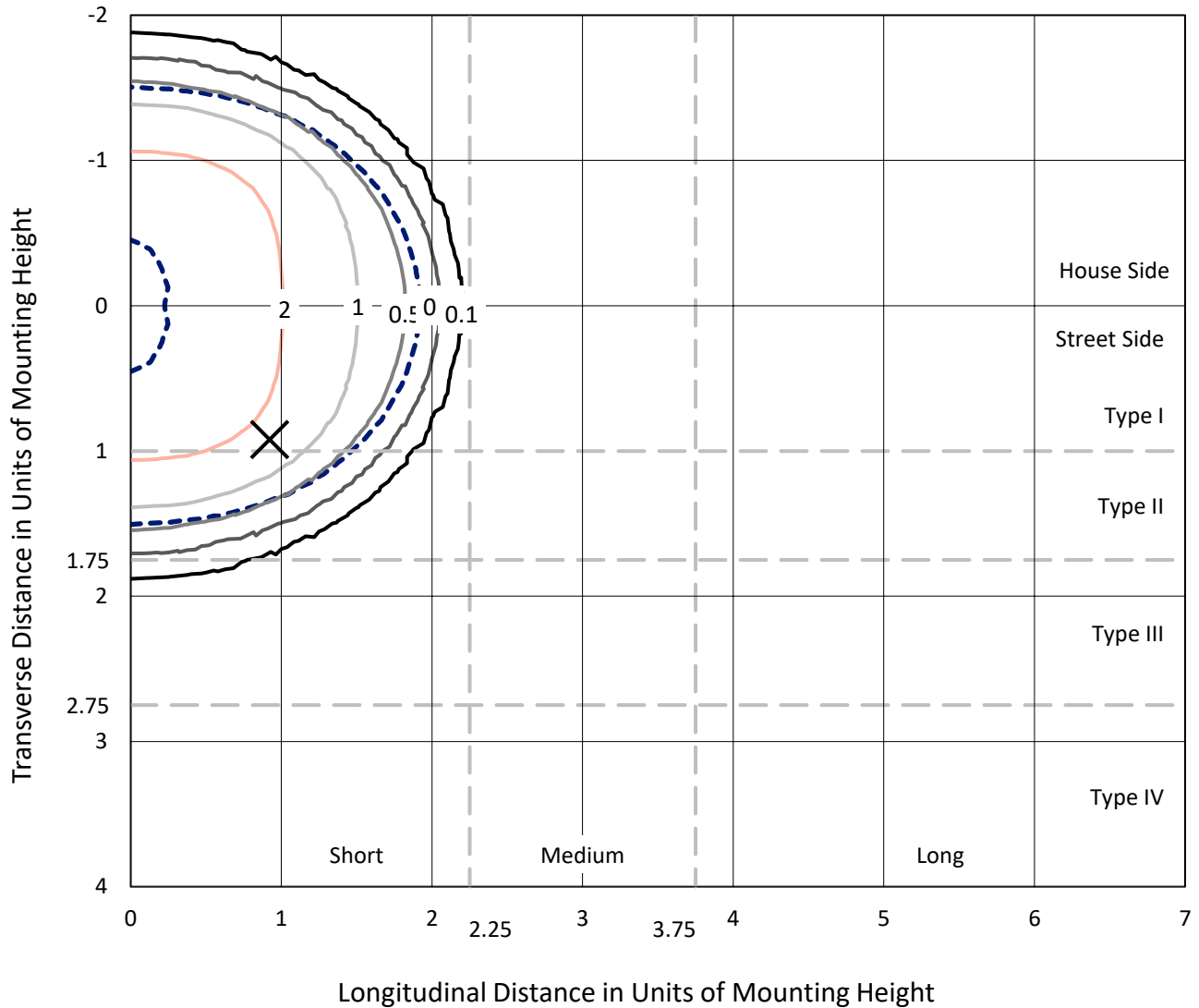
Input Watts (W): 93
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

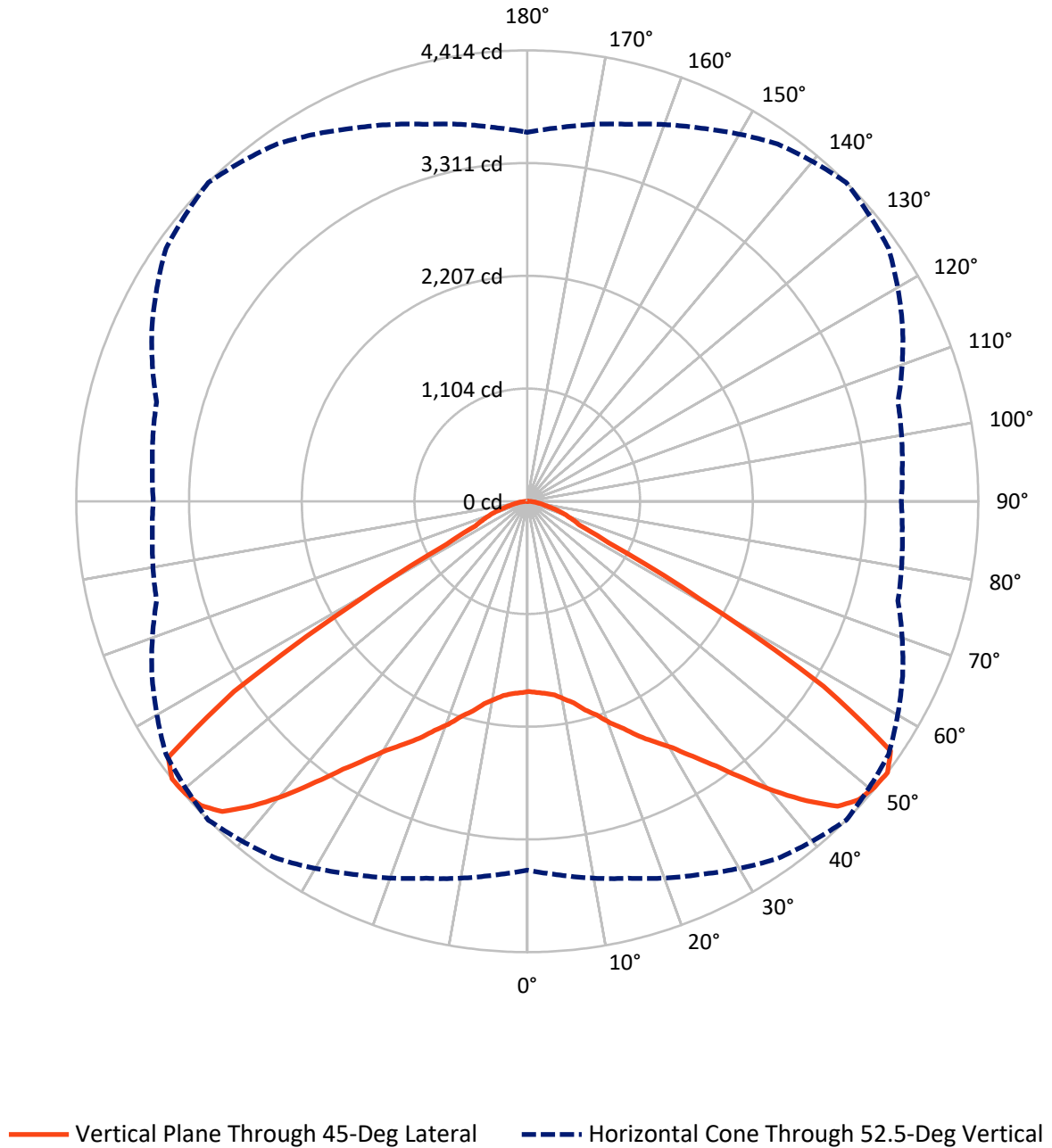
✕ Max cd
 - - - 1/2 Max cd



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



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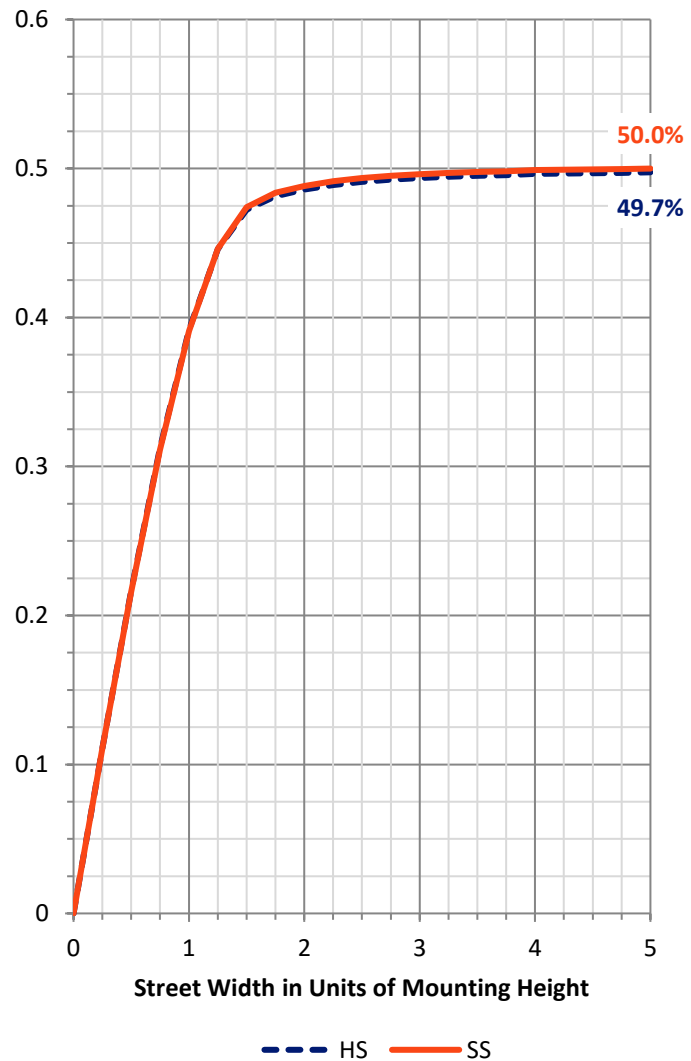
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5571.5	0.0	5571.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5571.5	0.0	5571.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11143.0	0.0	11143.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.0	1.6
10°-20°	601.3	5.4
20°-30°	1144.9	10.3
30°-40°	1965.8	17.6
40°-50°	3021.5	27.1
50°-60°	3068.3	27.5
60°-70°	855.1	7.7
70°-80°	252.2	2.3
80°-90°	50.8	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°	11143.0	100.0
0°-180°	11143.0	100.0



REPORT NUMBER: P527970

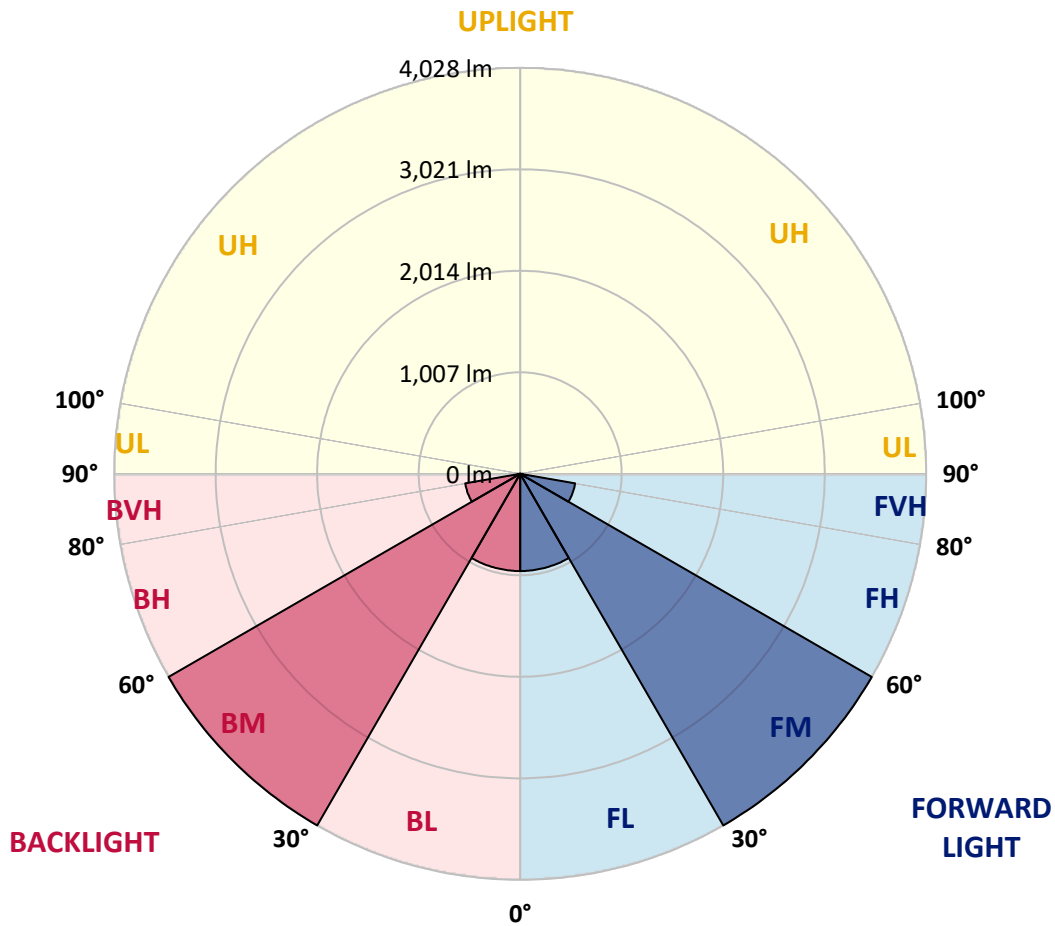
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	964.6	8.7			
FM (30°-60°)	4027.8	36.1			
FH (60°-80°)	553.7	5.0			G0/660
FVH (80°-90°)	25.4	0.2			G1/100
BL (0°-30°)	964.6	8.7	B2/1000		
BM (30°-60°)	4027.8	36.1	B3/5000		
BH (60°-80°)	553.7	5.0	B2/1000		G0/660
BVH (80°-90°)	25.4	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°	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7	1862.7
2.5°	1866.8	1847.5	1854.4	1858.6	1876.5	1875.1	1871.0	1876.5	1882.1	1883.4	1880.7
5°	1865.5	1851.6	1857.2	1861.3	1879.3	1889.0	1886.2	1909.7	1926.3	1922.2	1942.9
7.5°	1854.4	1862.7	1855.8	1876.5	1891.7	1915.2	1940.1	1962.3	1983.0	2006.5	2010.7
10°	1879.3	1879.3	1891.7	1908.3	1948.4	1966.4	2002.4	2034.2	2074.3	2101.9	2090.9
12.5°	1905.6	1909.7	1909.7	1952.6	1985.8	2025.9	2059.1	2101.9	2158.6	2191.8	2208.4
15°	1931.8	1934.6	1948.4	2006.5	2056.3	2119.9	2150.3	2189.1	2220.9	2283.1	2284.5
17.5°	1955.4	1970.6	2012.0	2077.0	2139.3	2200.1	2248.5	2288.6	2316.3	2341.2	2335.6
20°	2043.9	2054.9	2097.8	2162.8	2255.4	2314.9	2331.5	2338.4	2356.4	2406.2	2390.9
22.5°	2129.6	2133.7	2173.8	2273.4	2338.4	2417.2	2435.2	2431.1	2438.0	2450.4	2472.5
25°	2218.1	2225.0	2280.3	2364.7	2455.9	2550.0	2565.2	2533.4	2523.7	2537.5	2538.9
27.5°	2331.5	2332.9	2403.4	2476.7	2580.4	2668.9	2692.4	2667.5	2621.9	2632.9	2650.9
30°	2475.3	2465.6	2536.1	2641.2	2750.5	2800.3	2840.4	2827.9	2778.1	2768.5	2753.3
32.5°	2641.2	2644.0	2707.6	2822.4	2894.3	2977.3	3020.1	2999.4	2967.6	2951.0	2960.7
35°	2874.9	2887.4	2930.3	3025.7	3141.8	3183.3	3251.1	3206.8	3123.9	3144.6	3162.6
37.5°	3067.2	3103.1	3183.3	3296.7	3365.9	3441.9	3466.8	3407.3	3346.5	3321.6	3381.1
40°	3361.7	3350.6	3439.1	3552.5	3654.9	3730.9	3699.1	3639.7	3488.9	3490.3	3506.9
42.5°	3614.8	3620.3	3688.1	3823.6	3963.2	4010.3	3909.3	3764.1	3596.8	3578.8	3614.8
45°	3827.7	3849.9	3888.6	4069.7	4206.6	4257.8	4071.1	3899.6	3675.6	3600.9	3660.4
47.5°	3903.8	3939.7	4024.1	4190.0	4325.6	4367.0	4217.7	3971.5	3748.9	3627.2	3659.0
50°	3914.8	3902.4	4040.7	4192.8	4311.7	4401.6	4270.2	4024.1	3730.9	3667.3	3657.6
52.5°	3612.0	3672.9	3820.8	4029.6	4270.2	4414.1	4317.3	4053.1	3755.8	3683.9	3660.4
55°	2923.3	2851.4	3121.1	3472.3	3914.8	4314.5	4300.7	4068.3	3771.0	3711.6	3679.8
57.5°	1631.8	1652.5	1804.6	2186.3	2757.4	3421.2	3823.6	3907.9	3764.1	3729.5	3746.1
60°	755.0	762.0	826.9	1005.3	1359.3	1940.1	2469.8	3007.7	3255.2	3305.0	3305.0
62.5°	562.8	560.1	576.6	608.5	683.1	891.9	1190.6	1617.9	1958.1	2196.0	2258.2
65°	508.9	507.5	515.8	526.9	532.4	561.4	627.8	759.2	869.8	933.4	922.4
67.5°	445.3	443.9	446.7	453.6	463.3	478.5	495.1	522.7	561.4	558.7	551.8
70°	359.5	359.5	363.7	369.2	380.3	398.3	417.6	437.0	470.2	477.1	475.7
72.5°	265.5	261.4	269.7	280.7	291.8	313.9	334.6	352.6	376.1	383.0	380.3
75°	168.7	171.5	177.0	189.5	208.8	224.0	246.1	261.4	276.6	282.1	283.5
77.5°	94.0	96.8	106.5	121.7	141.1	157.6	177.0	189.5	199.1	200.5	201.9
80°	56.7	58.1	67.8	81.6	98.2	116.2	131.4	143.8	152.1	148.0	146.6
82.5°	34.6	36.0	44.3	56.7	70.5	84.4	100.9	112.0	120.3	114.8	109.2
85°	18.0	19.4	26.3	34.6	45.6	52.5	52.5	47.0	45.6	42.9	41.5
87.5°	5.5	5.5	6.9	8.3	6.9	8.3	9.7	11.1	11.1	12.4	11.1
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)