

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: P528379

Luminaire Tested: **GALN-SA3C-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528379
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12058 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

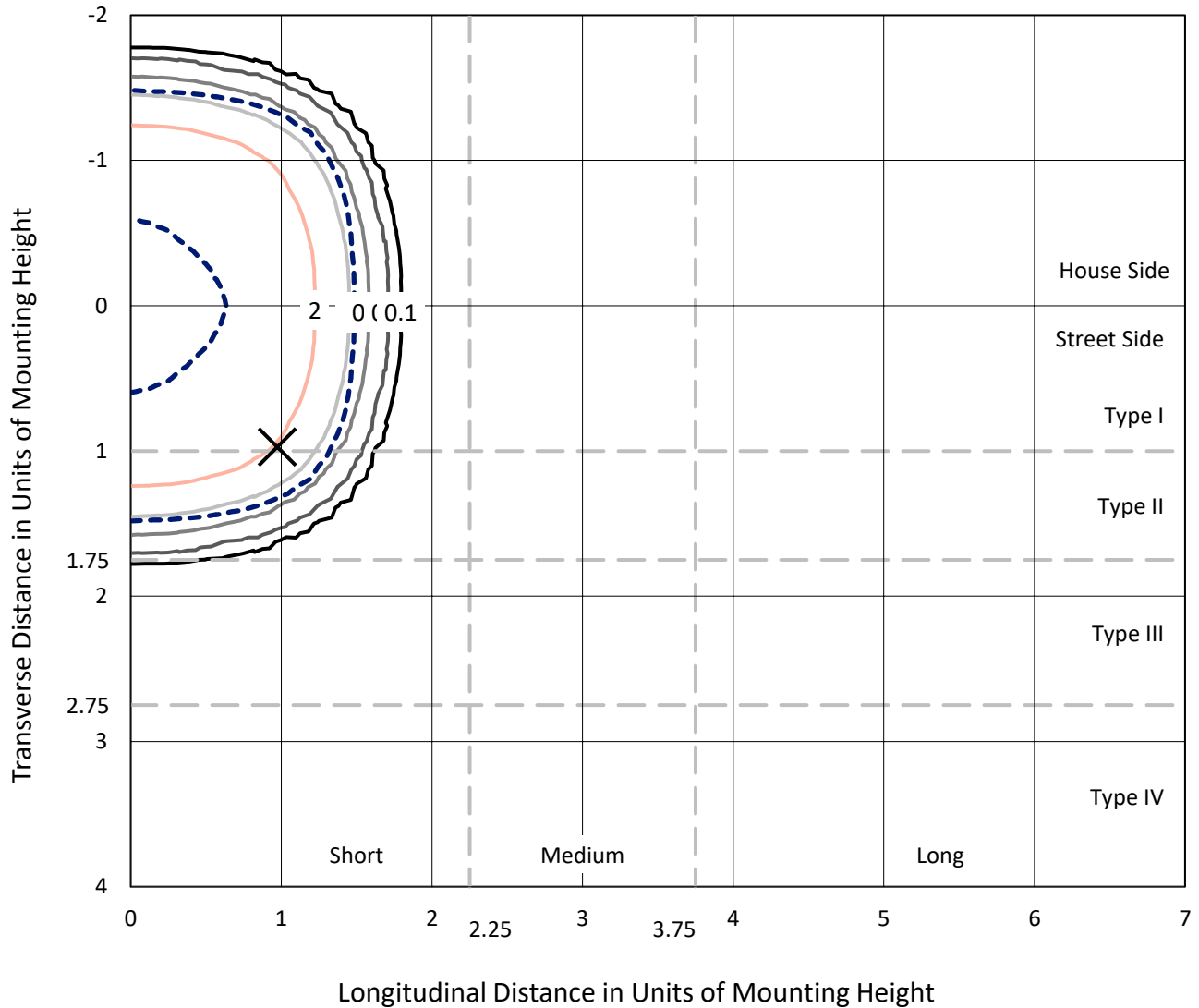
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

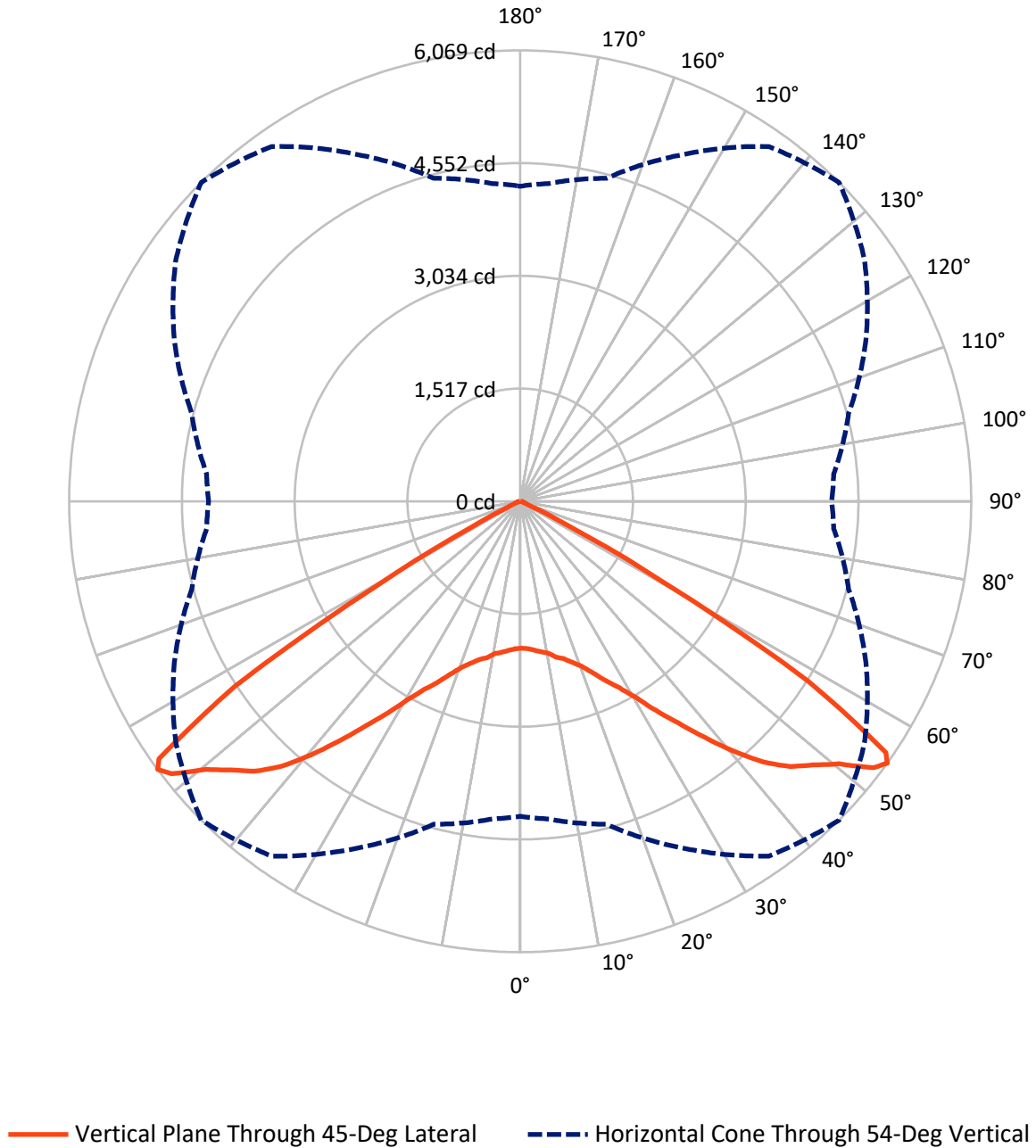
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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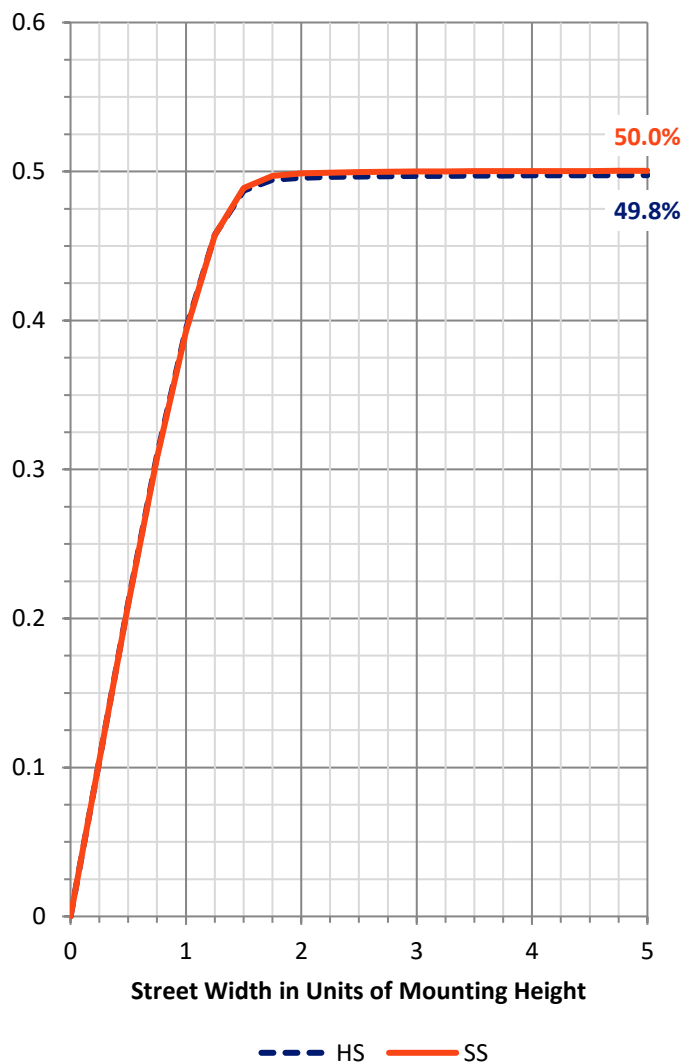
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6029.0	0.0	6029.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6029.0	0.0	6029.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12058.0	0.0	12058.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.5	1.6
10°-20°	626.7	5.2
20°-30°	1228.2	10.2
30°-40°	2208.6	18.3
40°-50°	3780.8	31.4
50°-60°	3658.3	30.3
60°-70°	313.2	2.6
70°-80°	37.1	0.3
80°-90°	11.6	0.1
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°	12058.0	100.0
0°-180°	12058.0	100.0

Coefficient of Utilization



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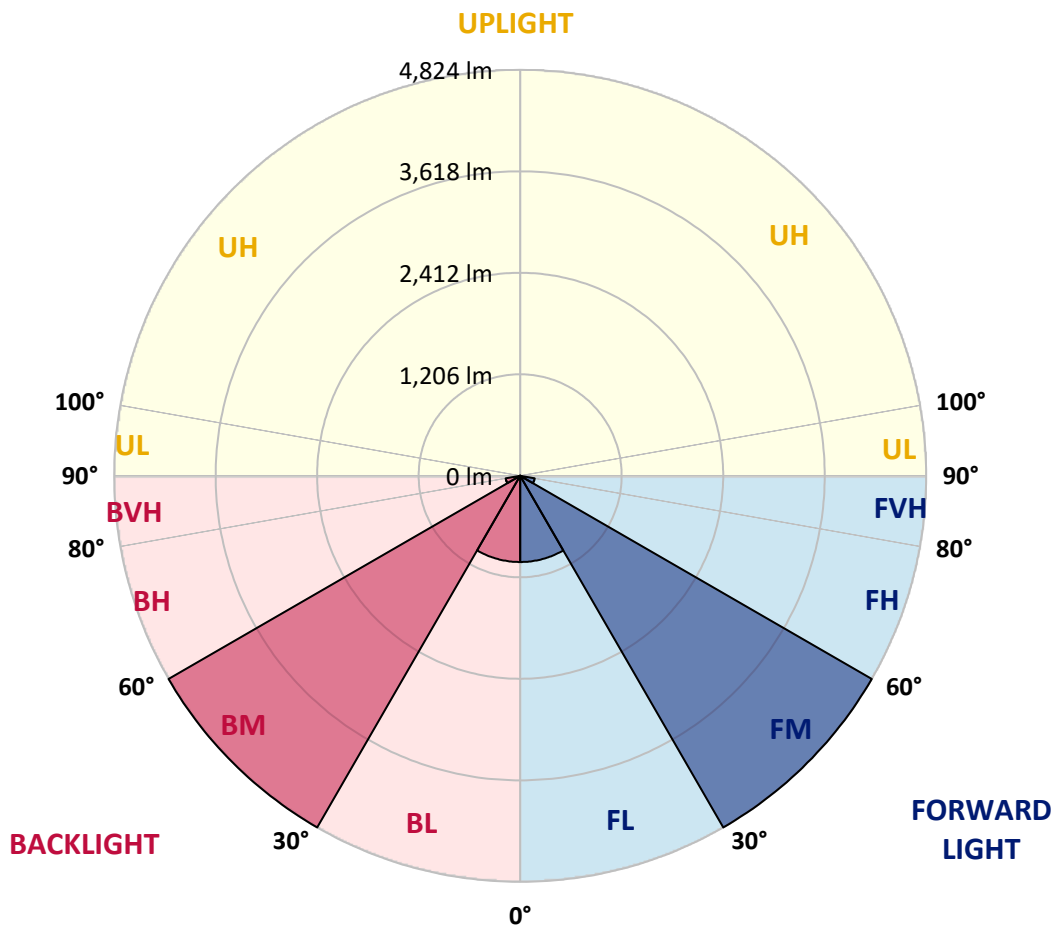
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.2	8.5			
FM (30°-60°)	4823.8	40.0			
FH (60°-80°)	175.1	1.5			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	1024.2	8.5	B3/2500		
BM (30°-60°)	4823.8	40.0	B3/5000		
BH (60°-80°)	175.1	1.5	B1/500		G0/660
BVH (80°-90°)	5.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1	1977.1
2.5°	1986.7	1998.1	1990.5	1996.2	1996.2	1986.7	1992.4	1969.5	1984.8	1973.3	1975.2
5°	2017.3	2015.3	2015.3	2017.3	2009.6	2013.4	2005.8	1998.1	1992.4	1984.8	2007.7
7.5°	2055.5	2055.5	2042.1	2045.9	2042.1	2047.8	2032.5	2017.3	2011.5	2005.8	2002.0
10°	2091.8	2087.9	2082.2	2099.4	2086.0	2078.4	2070.7	2061.2	2040.2	2032.5	2024.9
12.5°	2145.2	2143.3	2135.7	2152.9	2145.2	2152.9	2124.2	2099.4	2095.6	2070.7	2084.1
15°	2208.3	2225.5	2212.1	2212.1	2208.3	2198.7	2187.3	2175.8	2141.4	2131.9	2133.8
17.5°	2290.4	2284.7	2286.6	2286.6	2305.7	2280.9	2257.9	2229.3	2212.1	2206.4	2187.3
20°	2368.7	2376.4	2374.5	2387.8	2399.3	2372.6	2347.7	2343.9	2296.2	2303.8	2277.0
22.5°	2506.3	2500.6	2510.1	2519.7	2512.0	2508.2	2485.3	2456.6	2414.6	2395.5	2391.7
25°	2651.5	2641.9	2624.7	2647.6	2659.1	2676.3	2632.4	2617.1	2552.1	2523.5	2525.4
27.5°	2775.6	2789.0	2808.1	2817.7	2846.3	2840.6	2810.0	2760.3	2710.7	2678.2	2657.2
30°	2945.6	2953.3	2985.8	2999.1	3048.8	3062.2	3014.4	2957.1	2869.2	2827.2	2802.4
32.5°	3102.3	3155.8	3153.9	3220.7	3301.0	3356.4	3270.4	3182.5	3094.6	3045.0	3001.0
35°	3356.4	3346.8	3402.2	3472.9	3602.8	3665.8	3572.2	3471.0	3337.3	3257.0	3222.6
37.5°	3593.2	3597.1	3671.6	3784.3	3933.3	4030.7	3948.5	3782.3	3644.8	3541.7	3493.9
40°	3937.1	3944.7	4021.1	4149.1	4317.2	4422.3	4326.8	4158.7	3975.3	3895.1	3895.1
42.5°	4340.1	4372.6	4422.3	4533.1	4684.0	4800.5	4714.6	4582.8	4397.5	4294.3	4309.6
45°	4754.7	4770.0	4802.4	4966.7	5037.4	5094.7	5014.5	4953.3	4829.2	4703.1	4682.1
47.5°	5142.5	5148.2	5243.7	5295.3	5350.7	5302.9	5354.5	5274.3	5134.8	5012.6	4987.7
50°	5314.4	5304.8	5440.5	5597.1	5639.1	5555.1	5511.1	5457.7	5245.6	5098.5	5033.6
52.5°	4813.9	4869.3	5121.5	5557.0	5885.6	5956.2	5700.3	5453.8	5058.4	4771.9	4727.9
54°	4240.8	4292.4	4500.6	5146.3	5830.2	6068.9	5656.3	5132.9	4575.1	4235.1	4191.1
55°	3673.5	3616.2	3994.4	4653.4	5570.4	5969.6	5482.5	4718.4	4080.4	3769.0	3707.8
57.5°	1988.6	1998.1	2317.2	2939.9	3914.2	4577.0	4042.1	3192.1	2410.8	2061.2	2030.6
60°	630.4	645.7	785.1	1188.2	1870.2	2233.1	1914.1	1281.8	886.4	710.6	682.0
62.5°	196.8	204.4	223.5	332.4	512.0	731.6	573.1	343.8	256.0	235.0	238.8
65°	120.3	120.3	122.3	129.9	152.8	177.7	171.9	150.9	145.2	141.4	139.5
67.5°	78.3	76.4	80.2	86.0	89.8	91.7	97.4	103.2	101.2	97.4	97.4
70°	47.8	45.8	49.7	57.3	59.2	63.0	68.8	76.4	74.5	70.7	72.6
72.5°	26.7	26.7	28.7	34.4	40.1	43.9	49.7	55.4	57.3	55.4	55.4
75°	9.6	11.5	15.3	21.0	24.8	30.6	36.3	42.0	47.8	43.9	42.0
77.5°	3.8	3.8	7.6	13.4	19.1	24.8	34.4	40.1	43.9	40.1	36.3
80°	1.9	1.9	5.7	11.5	17.2	22.9	28.7	34.4	36.3	32.5	28.7
82.5°	1.9	1.9	5.7	11.5	17.2	21.0	30.6	34.4	38.2	34.4	28.7
85°	0.0	1.9	5.7	11.5	15.3	17.2	17.2	11.5	9.6	5.7	5.7
87.5°	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)