

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: P527580

Luminaire Tested: **GALN-SA2C-760-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527580
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-SA2C-760-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 1050mA 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: 12388 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

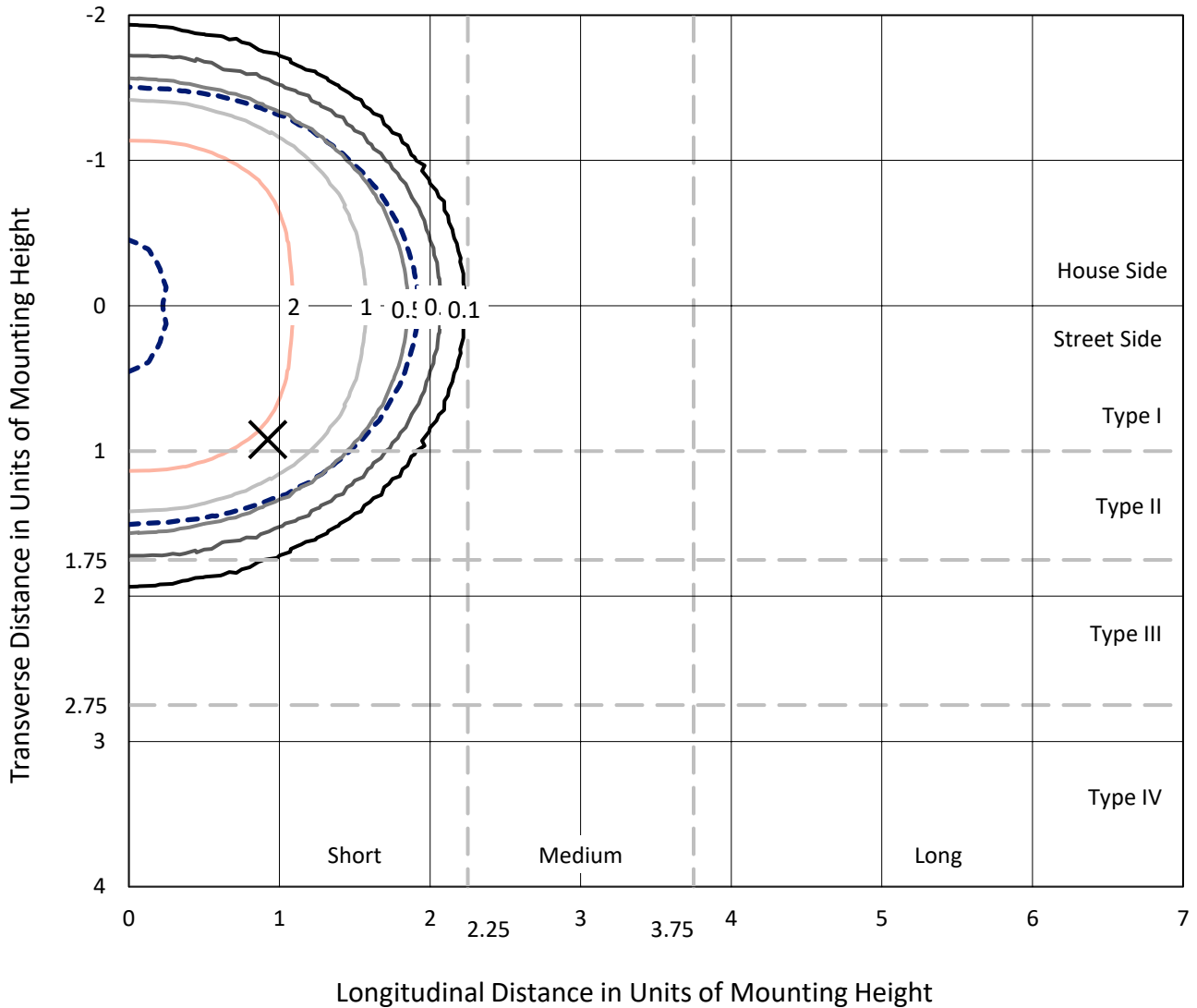
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

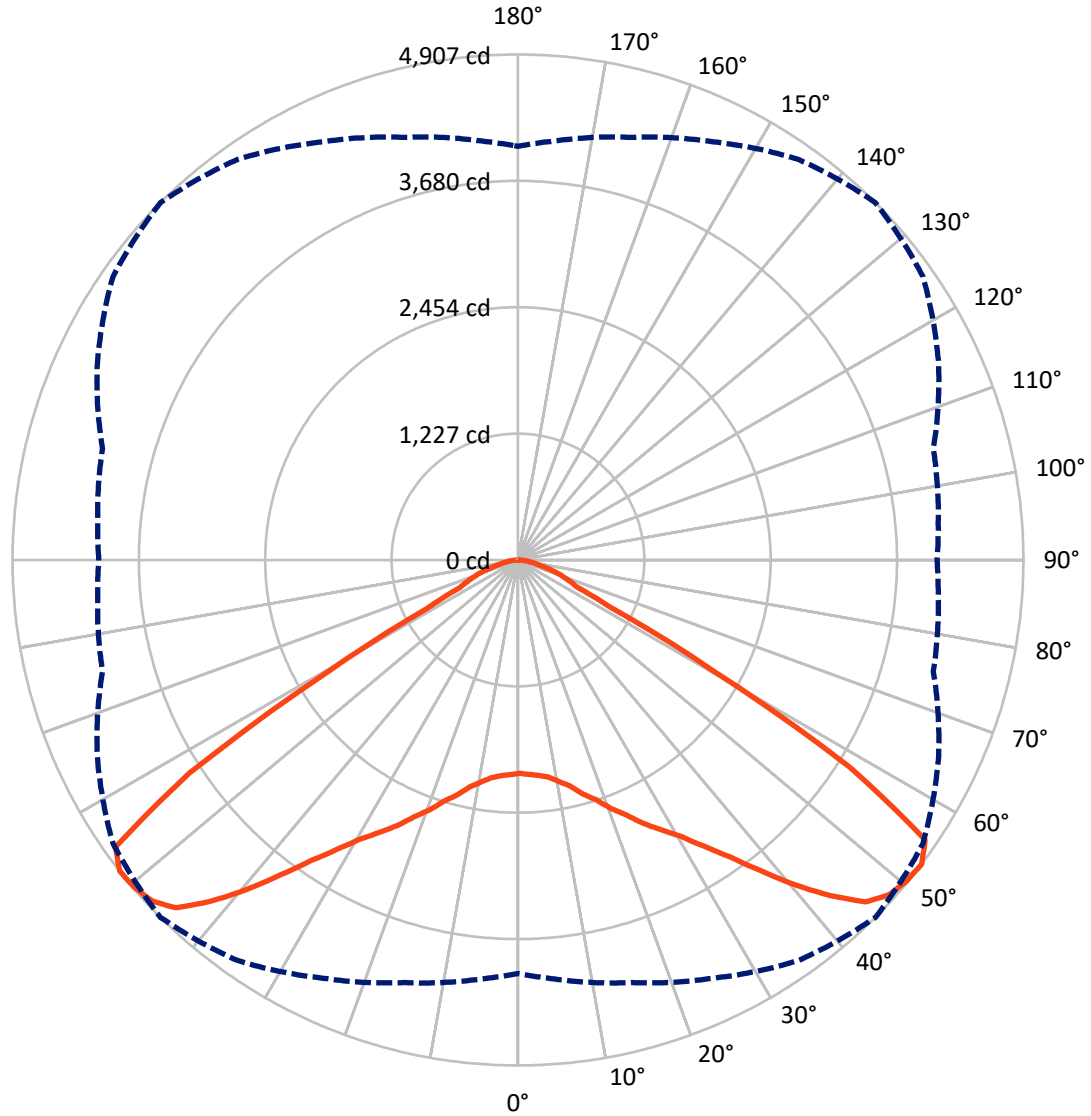
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6194.0	0.0	6194.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6194.0	0.0	6194.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12388.0	0.0	12388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	1.6
10°-20°	668.5	5.4
20°-30°	1272.8	10.3
30°-40°	2185.5	17.6
40°-50°	3359.1	27.1
50°-60°	3411.1	27.5
60°-70°	950.6	7.7
70°-80°	280.4	2.3
80°-90°	56.5	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°	12388.0	100.0
0°-180°	12388.0	100.0

Coefficient of Utilization



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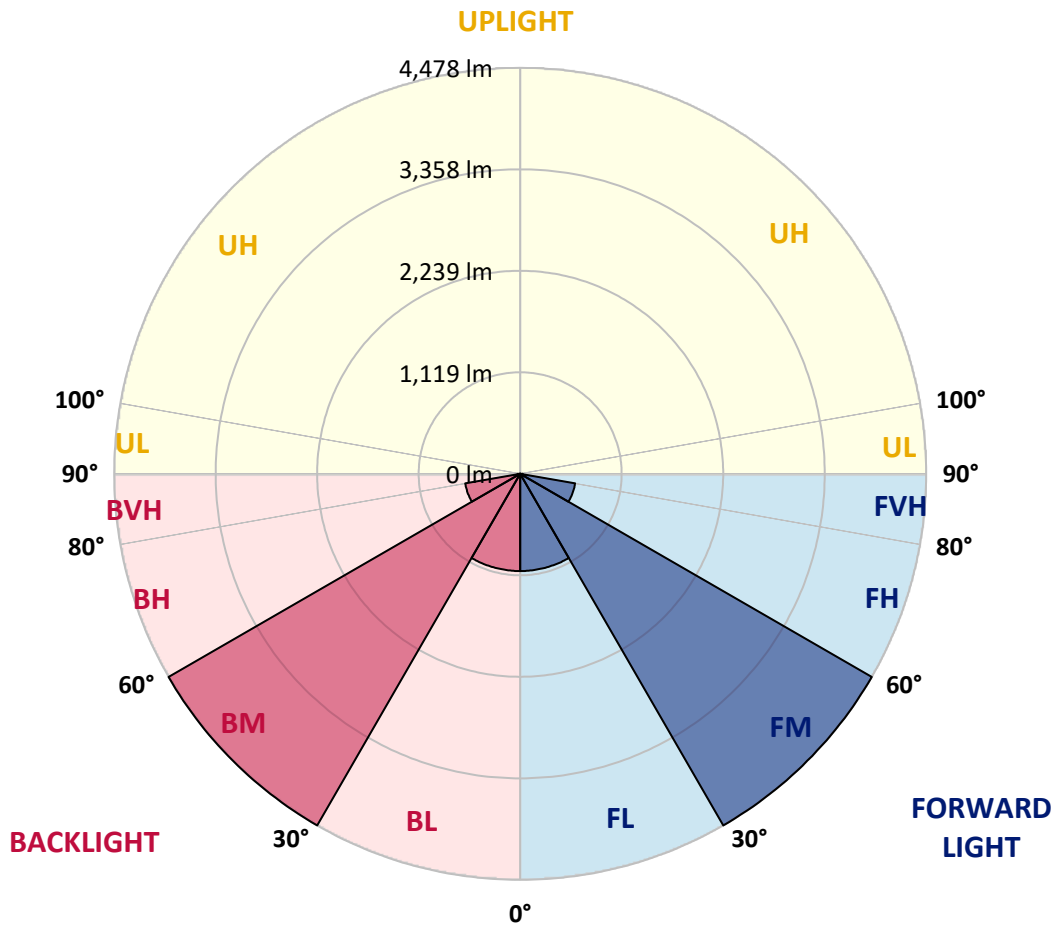
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1072.4	8.7			
FM (30°-60°)	4477.8	36.1			
FH (60°-80°)	615.5	5.0			G0/660
FVH (80°-90°)	28.2	0.2			G1/100
BL (0°-30°)	1072.4	8.7	B3/2500		
BM (30°-60°)	4477.8	36.1	B3/5000		
BH (60°-80°)	615.5	5.0	B2/1000		G0/660
BVH (80°-90°)	28.2	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°	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8	2070.8
2.5°	2075.4	2053.9	2061.6	2066.2	2086.2	2084.7	2080.0	2086.2	2092.3	2093.9	2090.8
5°	2073.9	2058.5	2064.7	2069.3	2089.3	2100.0	2097.0	2123.1	2141.5	2136.9	2160.0
7.5°	2061.6	2070.8	2063.1	2086.2	2103.1	2129.2	2156.9	2181.5	2204.6	2230.7	2235.3
10°	2089.3	2089.3	2103.1	2121.6	2166.1	2186.1	2226.1	2261.4	2306.0	2336.8	2324.5
12.5°	2118.5	2123.1	2123.1	2170.7	2207.6	2252.2	2289.1	2336.8	2399.8	2436.7	2455.2
15°	2147.7	2150.8	2166.1	2230.7	2286.0	2356.8	2390.6	2433.6	2469.0	2538.2	2539.7
17.5°	2173.8	2190.7	2236.9	2309.1	2378.3	2445.9	2499.7	2544.3	2575.1	2602.7	2596.6
20°	2272.2	2284.5	2332.2	2404.4	2507.4	2573.5	2592.0	2599.7	2619.7	2675.0	2658.1
22.5°	2367.5	2372.1	2416.7	2527.4	2599.7	2687.3	2707.3	2702.7	2710.4	2724.2	2748.8
25°	2465.9	2473.6	2535.1	2628.9	2730.3	2834.9	2851.8	2816.4	2805.7	2821.0	2822.6
27.5°	2592.0	2593.5	2671.9	2753.4	2868.7	2967.1	2993.2	2965.6	2914.8	2927.1	2947.1
30°	2751.9	2741.1	2819.5	2936.3	3057.8	3113.1	3157.7	3143.9	3088.5	3077.8	3060.9
32.5°	2936.3	2939.4	3010.1	3137.7	3217.7	3309.9	3357.6	3334.5	3299.2	3280.7	3291.5
35°	3196.2	3210.0	3257.7	3363.7	3492.9	3539.0	3614.3	3565.1	3472.9	3495.9	3515.9
37.5°	3409.9	3449.8	3539.0	3665.1	3741.9	3826.5	3854.1	3788.0	3720.4	3692.7	3758.8
40°	3737.3	3725.0	3823.4	3949.5	4063.2	4147.8	4112.4	4046.3	3878.7	3880.3	3898.7
42.5°	4018.6	4024.8	4100.1	4250.8	4406.1	4458.3	4346.1	4184.7	3998.7	3978.7	4018.6
45°	4255.4	4280.0	4323.0	4524.4	4676.6	4733.5	4526.0	4335.3	4086.3	4003.3	4069.4
47.5°	4340.0	4379.9	4473.7	4658.2	4808.8	4855.0	4688.9	4415.3	4167.8	4032.5	4067.8
50°	4352.3	4338.4	4492.2	4661.3	4793.5	4893.4	4747.4	4473.7	4147.8	4077.1	4066.3
52.5°	4015.6	4083.2	4247.7	4479.9	4747.4	4907.2	4799.6	4506.0	4175.5	4095.5	4069.4
55°	3250.0	3170.0	3469.8	3860.3	4352.3	4796.5	4781.2	4522.9	4192.4	4126.3	4090.9
57.5°	1814.1	1837.1	2006.2	2430.6	3065.5	3803.4	4250.8	4344.6	4184.7	4146.2	4164.7
60°	839.4	847.1	919.3	1117.7	1511.2	2156.9	2745.7	3343.7	3618.9	3674.3	3674.3
62.5°	625.7	622.6	641.1	676.4	759.5	991.6	1323.7	1798.7	2176.9	2441.3	2510.5
65°	565.7	564.2	573.4	585.7	591.9	624.2	698.0	844.0	967.0	1037.7	1025.4
67.5°	495.0	493.5	496.6	504.3	515.0	531.9	550.4	581.1	624.2	621.1	613.4
70°	399.7	399.7	404.3	410.5	422.8	442.8	464.3	485.8	522.7	530.4	528.9
72.5°	295.2	290.6	299.8	312.1	324.4	349.0	372.0	392.0	418.2	425.8	422.8
75°	187.6	190.6	196.8	210.6	232.1	249.1	273.6	290.6	307.5	313.6	315.2
77.5°	104.5	107.6	118.4	135.3	156.8	175.3	196.8	210.6	221.4	222.9	224.5
80°	63.0	64.6	75.3	90.7	109.2	129.1	146.0	159.9	169.1	164.5	163.0
82.5°	38.4	40.0	49.2	63.0	78.4	93.8	112.2	124.5	133.7	127.6	121.5
85°	20.0	21.5	29.2	38.4	50.7	58.4	58.4	52.3	50.7	47.7	46.1
87.5°	6.1	6.1	7.7	9.2	7.7	9.2	10.8	12.3	12.3	13.8	12.3
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)