

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: P528455

Luminaire Tested: **GALN-SA3C-740-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-740-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12596 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

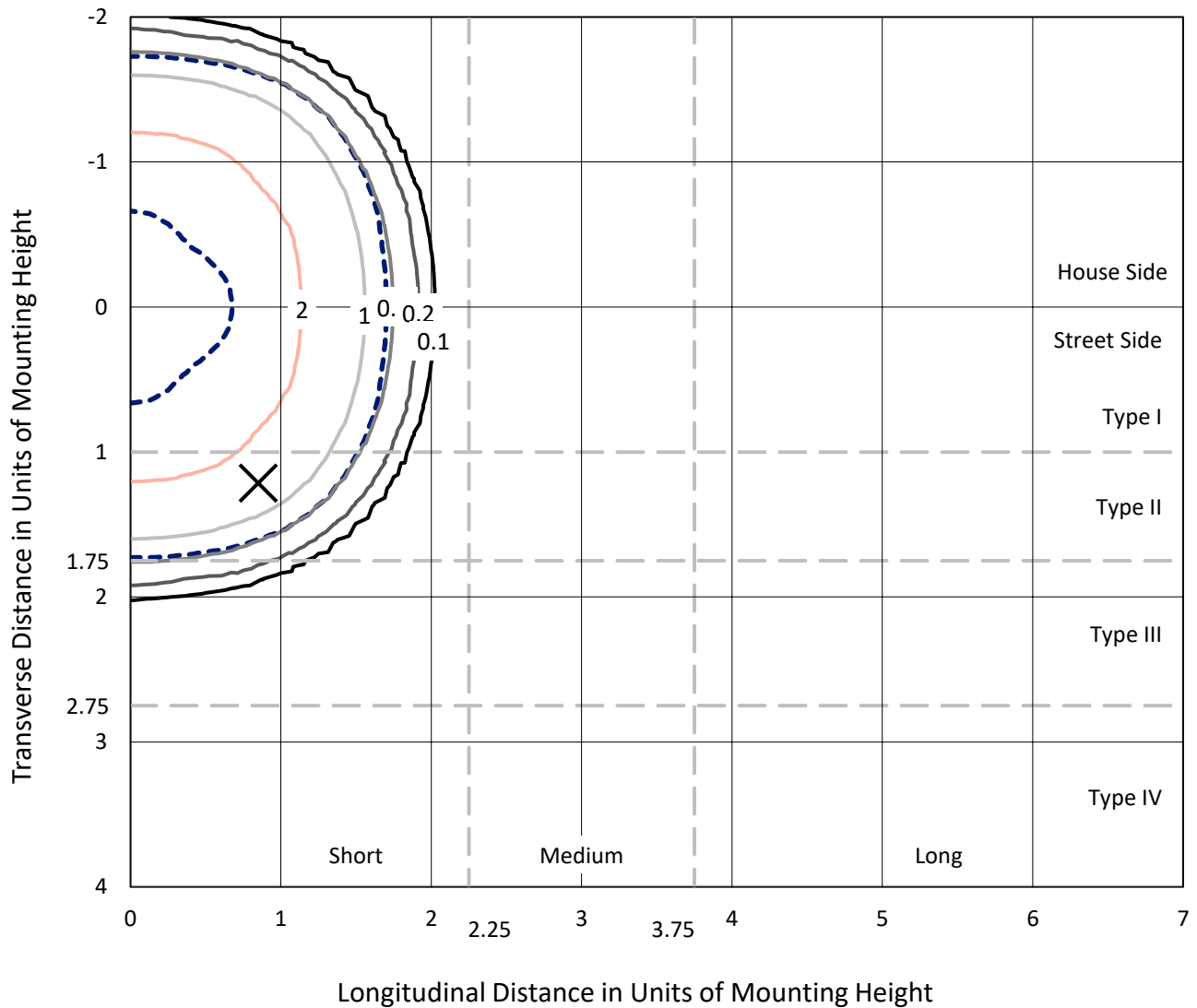
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

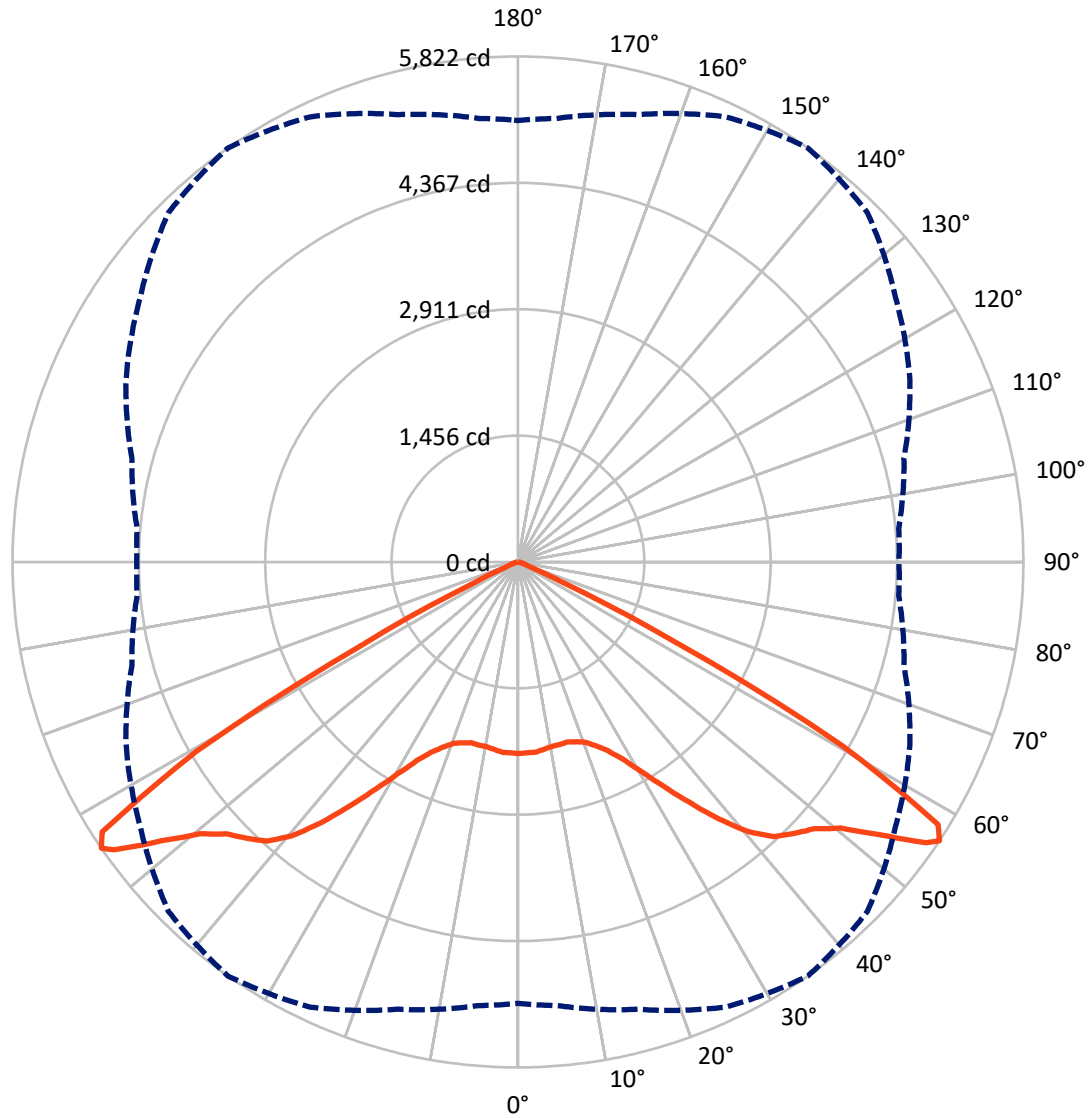
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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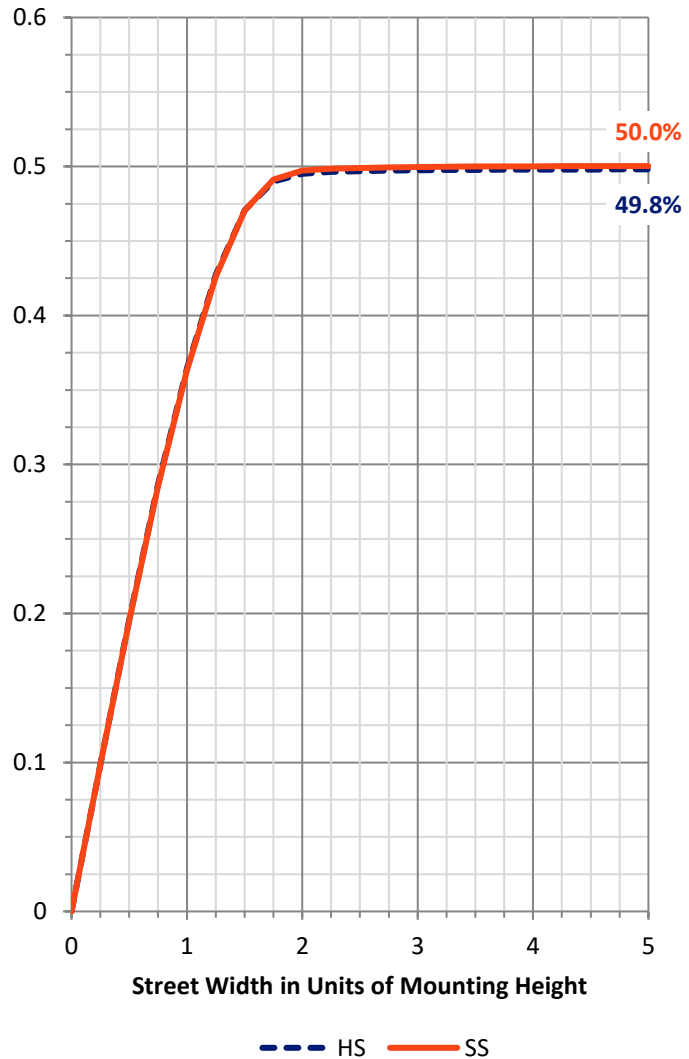
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6298.0	0.0	6298.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6298.0	0.0	6298.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12596.0	0.0	12596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.4	1.6
10°-20°	605.6	4.8
20°-30°	1096.7	8.7
30°-40°	2033.6	16.1
40°-50°	3338.0	26.5
50°-60°	4300.4	34.1
60°-70°	947.8	7.5
70°-80°	55.0	0.4
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°	12596.0	100.0
0°-180°	12596.0	100.0

Coefficient of Utilization

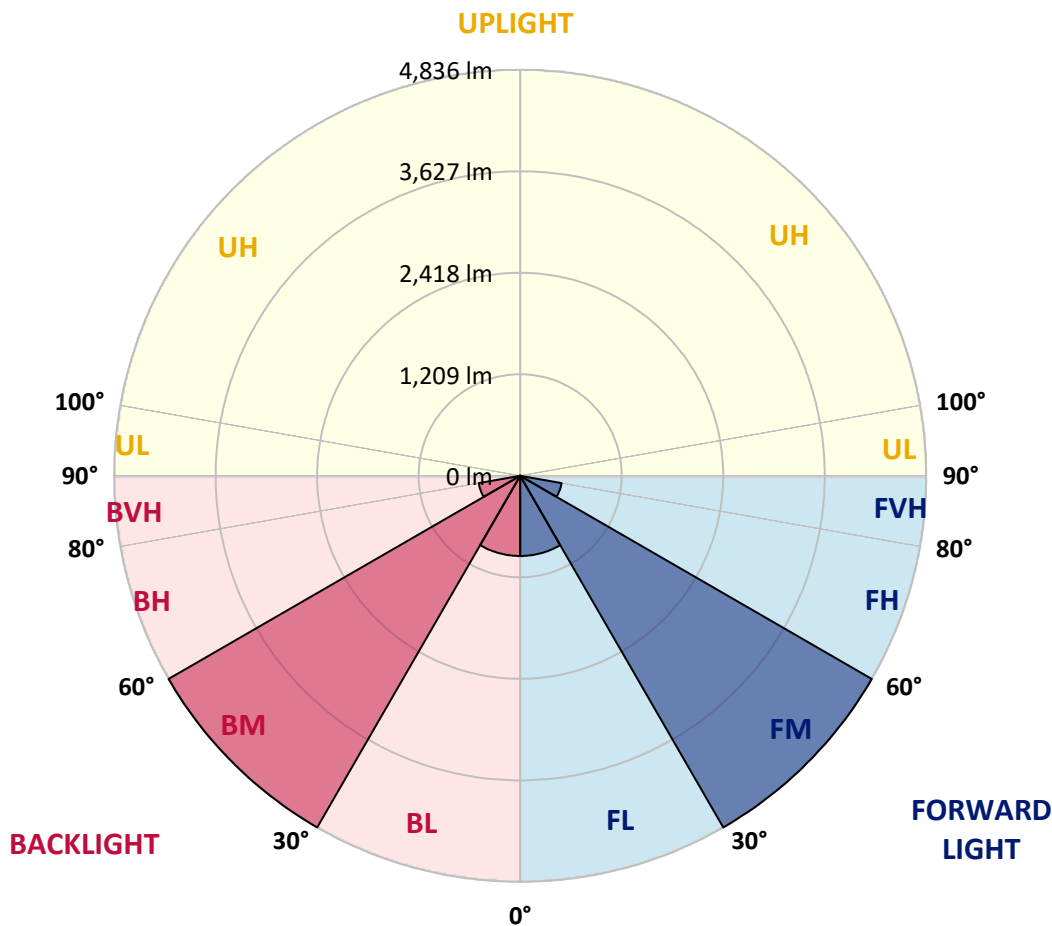


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.9	7.6			
FM (30°-60°)	4836.0	38.4			
FH (60°-80°)	501.4	4.0			G0/660
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	954.9	7.6	B2/1000		
BM (30°-60°)	4836.0	38.4	B3/5000		
BH (60°-80°)	501.4	4.0	B2/1000		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°	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1	2207.1
2.5°	2211.7	2211.7	2213.9	2216.2	2200.2	2193.4	2195.7	2191.1	2188.8	2195.7	2195.7
5°	2204.8	2204.8	2198.0	2200.2	2200.2	2179.7	2179.7	2184.3	2184.3	2170.6	2166.0
7.5°	2186.5	2182.0	2172.9	2184.3	2177.4	2177.4	2161.4	2150.0	2145.5	2154.6	2145.5
10°	2147.7	2150.0	2159.2	2163.7	2159.2	2172.9	2145.5	2129.5	2113.5	2106.7	2106.7
12.5°	2129.5	2143.2	2129.5	2140.9	2156.9	2145.5	2129.5	2118.1	2095.3	2086.1	2086.1
15°	2127.2	2136.3	2140.9	2156.9	2150.0	2154.6	2122.6	2108.9	2074.7	2058.7	2051.9
17.5°	2124.9	2136.3	2143.2	2172.9	2177.4	2179.7	2154.6	2113.5	2083.8	2067.9	2051.9
20°	2150.0	2154.6	2168.3	2198.0	2216.2	2248.2	2202.5	2159.2	2095.3	2077.0	2070.1
22.5°	2182.0	2204.8	2218.5	2250.5	2298.4	2325.8	2266.4	2211.7	2145.5	2122.6	2095.3
25°	2284.7	2280.1	2303.0	2369.1	2407.9	2428.5	2380.6	2300.7	2213.9	2186.5	2191.1
27.5°	2412.5	2417.1	2437.6	2510.7	2567.7	2599.7	2542.6	2437.6	2353.2	2307.5	2303.0
30°	2579.1	2574.6	2597.4	2695.5	2798.2	2846.2	2745.7	2622.5	2540.3	2481.0	2494.7
32.5°	2754.9	2757.2	2821.1	2910.1	3076.7	3170.3	3008.2	2857.6	2734.3	2693.2	2672.7
35°	3015.1	3026.5	3076.7	3213.6	3398.5	3519.5	3341.4	3161.1	3019.6	2944.3	2953.4
37.5°	3336.9	3325.5	3409.9	3558.3	3752.3	3841.3	3690.7	3485.2	3341.4	3291.2	3323.2
40°	3679.2	3690.7	3734.0	3868.7	4085.5	4144.9	3921.2	3809.3	3683.8	3658.7	3697.5
42.5°	4021.6	4014.8	4046.7	4167.7	4325.2	4284.1	4151.7	4085.5	3996.5	3946.3	3998.8
45°	4272.7	4261.3	4320.6	4402.8	4459.8	4382.2	4322.9	4300.1	4254.4	4199.6	4247.6
47.5°	4516.9	4507.8	4564.8	4587.6	4592.2	4489.5	4500.9	4542.0	4427.9	4313.8	4368.5
50°	4724.6	4708.6	4779.4	4829.6	4818.2	4653.8	4694.9	4653.8	4475.8	4341.1	4320.6
52.5°	5071.5	5078.4	5153.7	5245.0	5217.6	5080.6	5021.3	4834.1	4605.9	4484.9	4414.2
55°	5290.6	5256.4	5386.5	5676.4	5708.3	5566.8	5304.3	5028.1	4685.8	4537.4	4519.2
56°	5085.2	5128.6	5334.0	5658.1	5822.4	5692.3	5311.2	4980.2	4603.6	4402.8	4389.1
57.5°	4562.5	4539.7	4818.2	5261.0	5708.3	5653.5	5124.0	4637.9	4199.6	3973.7	3946.3
60°	2839.3	2905.5	3149.7	3697.5	4295.5	4322.9	3797.9	3380.2	2869.0	2668.1	2716.1
62.5°	1111.5	1054.5	1207.4	1615.9	2026.8	2118.1	1919.5	1595.4	1310.1	1111.5	1097.8
65°	257.9	251.1	283.0	390.3	545.5	632.2	600.3	431.4	317.3	301.3	278.5
67.5°	146.1	146.1	139.2	139.2	152.9	162.1	155.2	152.9	159.8	166.6	164.3
70°	102.7	100.4	95.9	98.1	93.6	93.6	100.4	111.8	121.0	121.0	123.3
72.5°	61.6	61.6	61.6	68.5	68.5	68.5	75.3	84.4	86.7	84.4	82.2
75°	27.4	27.4	32.0	38.8	43.4	45.6	52.5	57.1	61.6	57.1	52.5
77.5°	6.8	6.8	11.4	16.0	20.5	25.1	34.2	41.1	43.4	41.1	34.2
80°	2.3	2.3	4.6	11.4	20.5	25.1	34.2	36.5	38.8	34.2	27.4
82.5°	2.3	2.3	4.6	11.4	16.0	20.5	27.4	32.0	34.2	29.7	27.4
85°	0.0	2.3	4.6	9.1	13.7	18.3	18.3	13.7	11.4	6.8	9.1
87.5°	0.0	0.0	2.3	2.3	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)