

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: P530799

Luminaire Tested: **GALN-SA6A-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6A-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14145 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

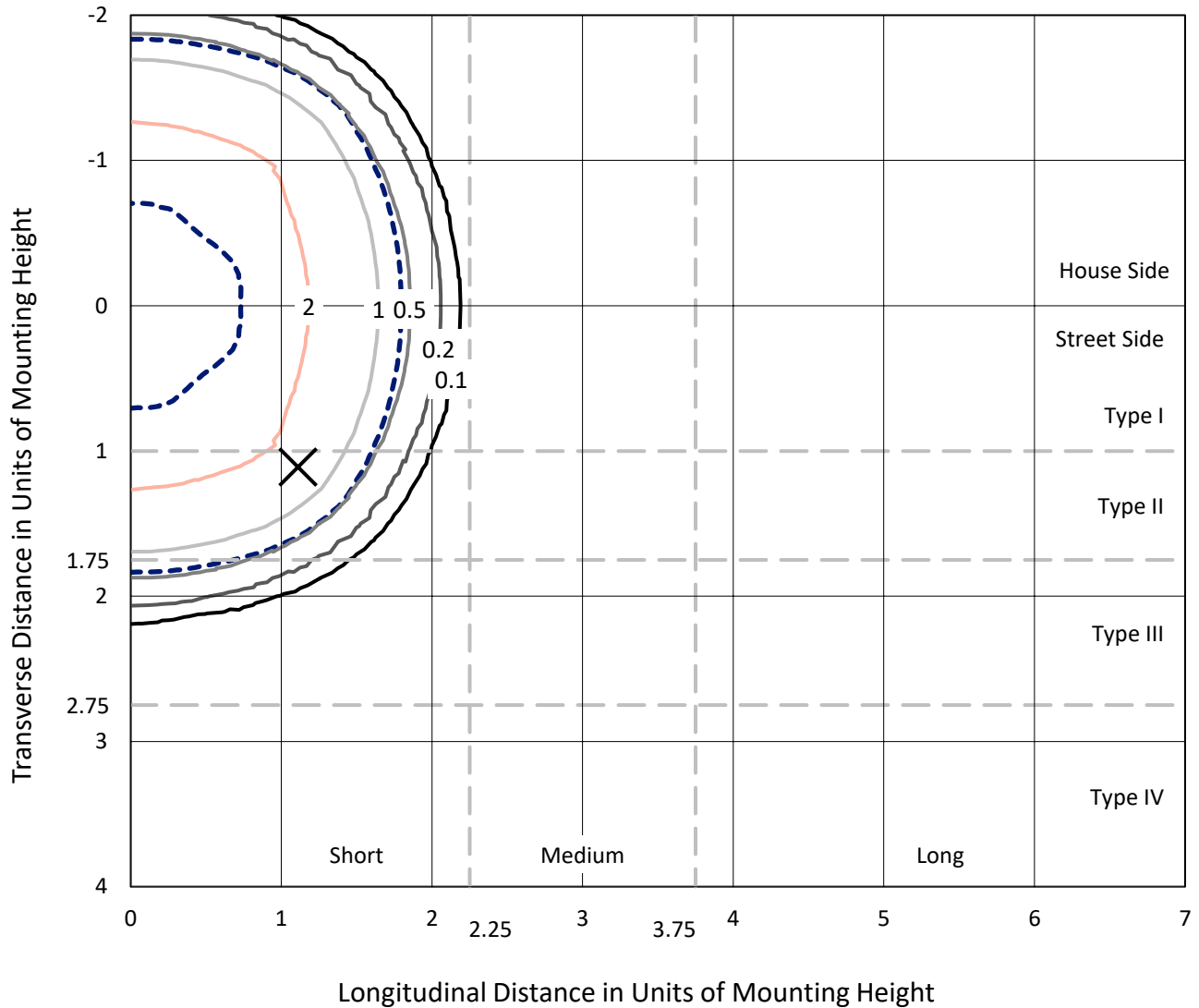
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

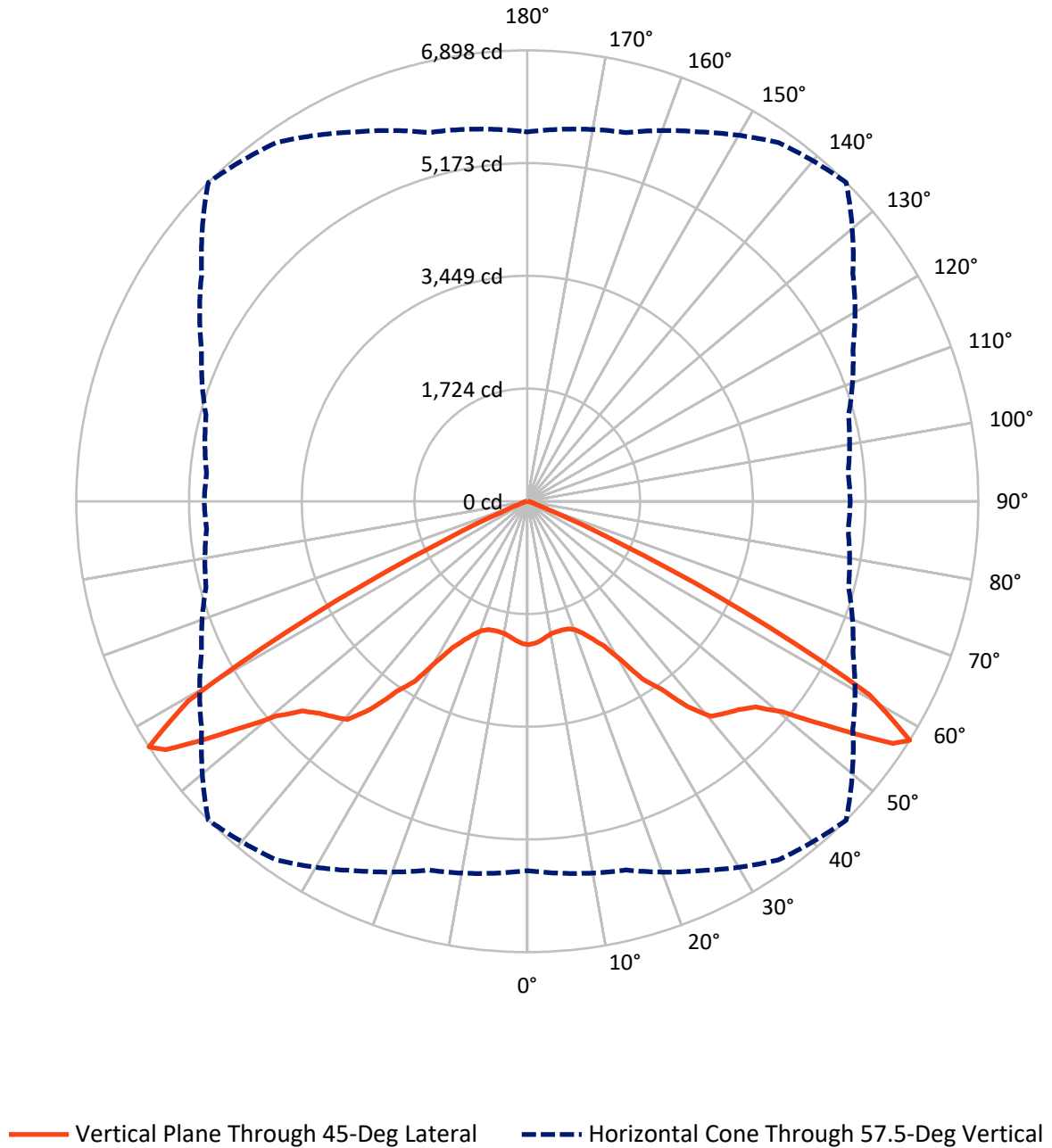
✕ Max cd
 - - - 1/2 Max cd



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



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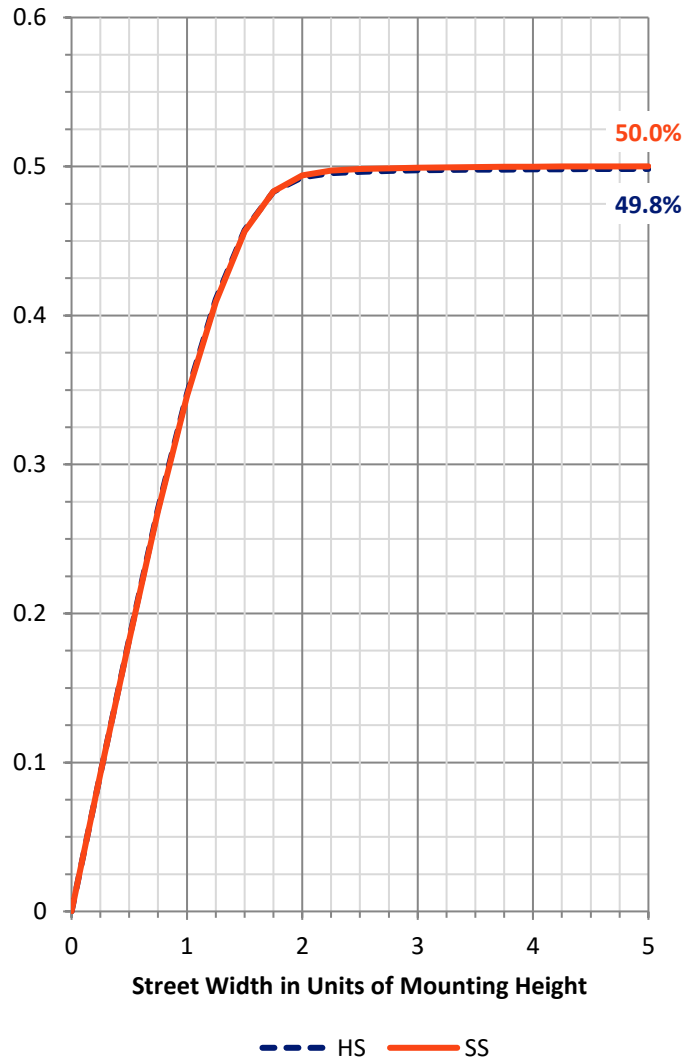
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7072.5	0.0	7072.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7072.5	0.0	7072.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14145.0	0.0	14145.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	1.4
10°-20°	582.8	4.1
20°-30°	1075.7	7.6
30°-40°	2115.6	15.0
40°-50°	3445.7	24.4
50°-60°	4913.9	34.7
60°-70°	1701.3	12.0
70°-80°	91.3	0.6
80°-90°	17.1	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°	14145.0	100.0
0°-180°	14145.0	100.0

Coefficient of Utilization

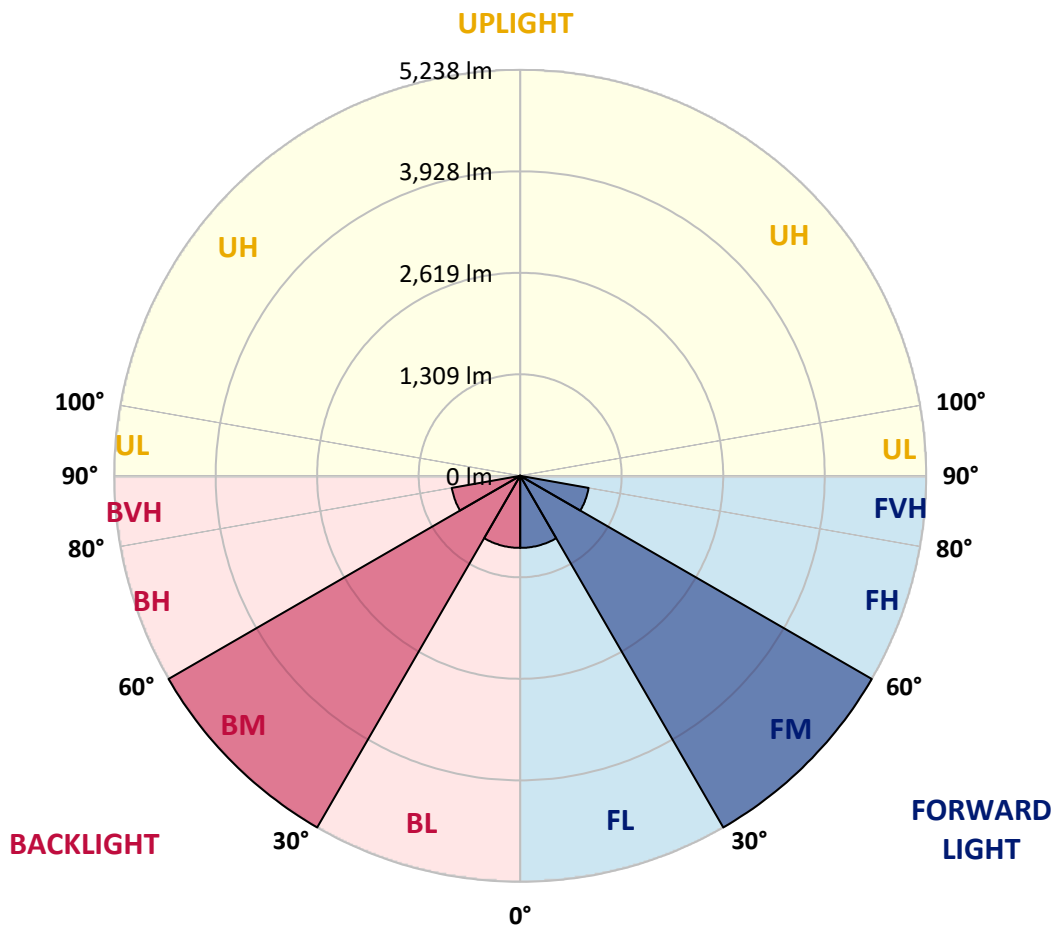


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	930.1	6.6			
FM (30°-60°)	5237.6	37.0			
FH (60°-80°)	896.3	6.3			G1/1800
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	930.1	6.6	B2/1000		
BM (30°-60°)	5237.6	37.0	B4/8500		
BH (60°-80°)	896.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0	2194.0
2.5°	2188.1	2199.9	2185.2	2179.3	2176.3	2176.3	2167.5	2167.5	2164.5	2167.5	2155.7
5°	2152.8	2164.5	2164.5	2161.6	2143.9	2141.0	2132.1	2126.2	2129.2	2117.4	2126.2
7.5°	2117.4	2126.2	2114.4	2111.5	2105.6	2093.8	2090.8	2064.3	2067.2	2067.2	2073.1
10°	2111.5	2108.5	2090.8	2076.1	2058.4	2055.4	2046.6	2040.7	2040.7	2037.7	2046.6
12.5°	2111.5	2096.7	2093.8	2061.3	2031.8	2043.6	2020.0	2005.3	2025.9	2031.8	2043.6
15°	2108.5	2123.3	2073.1	2058.4	2037.7	2040.7	2020.0	2005.3	2017.1	2023.0	2031.8
17.5°	2126.2	2117.4	2102.6	2073.1	2064.3	2052.5	2025.9	2014.2	2014.2	2028.9	2031.8
20°	2173.4	2149.8	2120.3	2105.6	2114.4	2099.7	2067.2	2023.0	2034.8	2046.6	2055.4
22.5°	2217.6	2199.9	2179.3	2170.4	2220.6	2197.0	2141.0	2090.8	2073.1	2093.8	2108.5
25°	2303.1	2303.1	2264.8	2276.6	2332.6	2335.6	2270.7	2182.2	2170.4	2179.3	2185.2
27.5°	2477.1	2486.0	2453.5	2465.3	2488.9	2509.6	2453.5	2379.8	2353.3	2350.3	2359.2
30°	2665.9	2683.6	2680.6	2730.8	2798.6	2810.4	2727.8	2606.9	2527.3	2512.5	2524.3
32.5°	2913.6	2922.4	2916.5	2975.5	3158.4	3243.9	3028.6	2857.6	2751.4	2777.9	2751.4
35°	3379.5	3370.7	3305.8	3317.6	3468.0	3529.9	3323.5	3214.4	3164.3	3217.3	3205.5
37.5°	3780.6	3748.1	3695.1	3771.7	3928.0	3984.1	3768.8	3577.1	3485.7	3574.2	3612.5
40°	4119.7	4037.1	3963.4	4040.1	4249.5	4326.1	4010.6	3854.3	3818.9	3883.8	3966.4
42.5°	4405.8	4352.7	4255.4	4261.3	4399.9	4435.3	4181.6	4090.2	4054.8	4158.1	4199.3
45°	4609.2	4559.1	4467.7	4461.8	4568.0	4544.4	4317.3	4255.4	4276.0	4343.8	4364.5
47.5°	4712.5	4739.0	4685.9	4700.7	4756.7	4700.7	4520.8	4520.8	4473.6	4514.9	4494.2
50°	5010.3	4927.7	4995.6	4995.6	5054.5	5060.4	4880.6	4815.7	4688.9	4618.1	4618.1
52.5°	5358.3	5364.2	5390.7	5488.0	5588.3	5673.8	5417.3	5140.1	4927.7	4836.3	4824.5
55°	5644.3	5703.3	5809.5	5992.3	6281.3	6399.3	5956.9	5461.5	5202.0	5060.4	5031.0
56°	5800.6	5744.6	5927.4	6178.1	6555.6	6708.9	6045.4	5526.4	5240.3	5081.1	5078.1
57.5°	5650.2	5712.2	5839.0	6234.1	6697.1	6897.7	6077.8	5496.9	5087.0	4924.8	4939.5
60°	4461.8	4520.8	4691.8	5134.2	5859.6	6015.9	5143.0	4532.6	4166.9	3933.9	3936.9
62.5°	2524.3	2568.6	2701.3	3111.2	3562.4	3712.8	3205.5	2798.6	2545.0	2415.2	2373.9
65°	928.9	911.2	931.9	1141.3	1418.5	1545.3	1332.9	1126.5	993.8	946.6	928.9
67.5°	348.0	321.4	300.8	321.4	404.0	427.6	392.2	327.3	306.7	315.5	321.4
70°	215.3	203.5	162.2	153.3	150.4	147.4	156.3	165.1	188.7	221.2	227.1
72.5°	150.4	141.6	115.0	109.1	103.2	100.3	115.0	126.8	147.4	171.0	174.0
75°	59.0	61.9	59.0	64.9	67.8	70.8	82.6	91.4	100.3	100.3	97.3
77.5°	11.8	11.8	17.7	23.6	29.5	38.3	56.0	64.9	67.8	64.9	56.0
80°	0.0	0.0	5.9	11.8	23.6	32.4	50.1	56.0	61.9	56.0	44.2
82.5°	0.0	0.0	5.9	14.7	23.6	29.5	47.2	59.0	67.8	61.9	47.2
85°	0.0	0.0	5.9	11.8	17.7	20.6	20.6	14.7	14.7	8.8	5.9
87.5°	0.0	0.0	0.0	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)