

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: P530773

Luminaire Tested: **GALN-SA6A-735-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530773
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-735-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 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: 13177 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

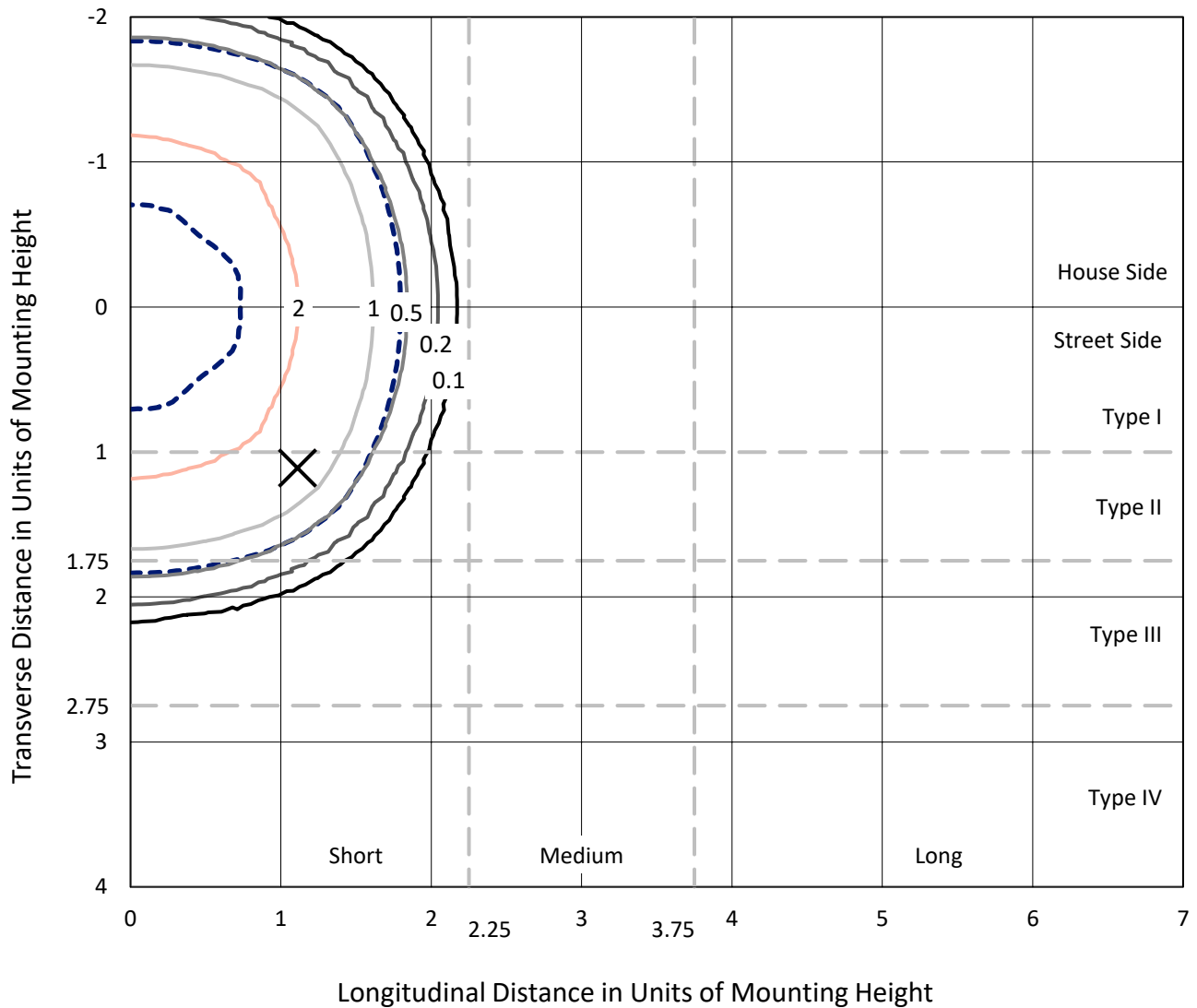
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

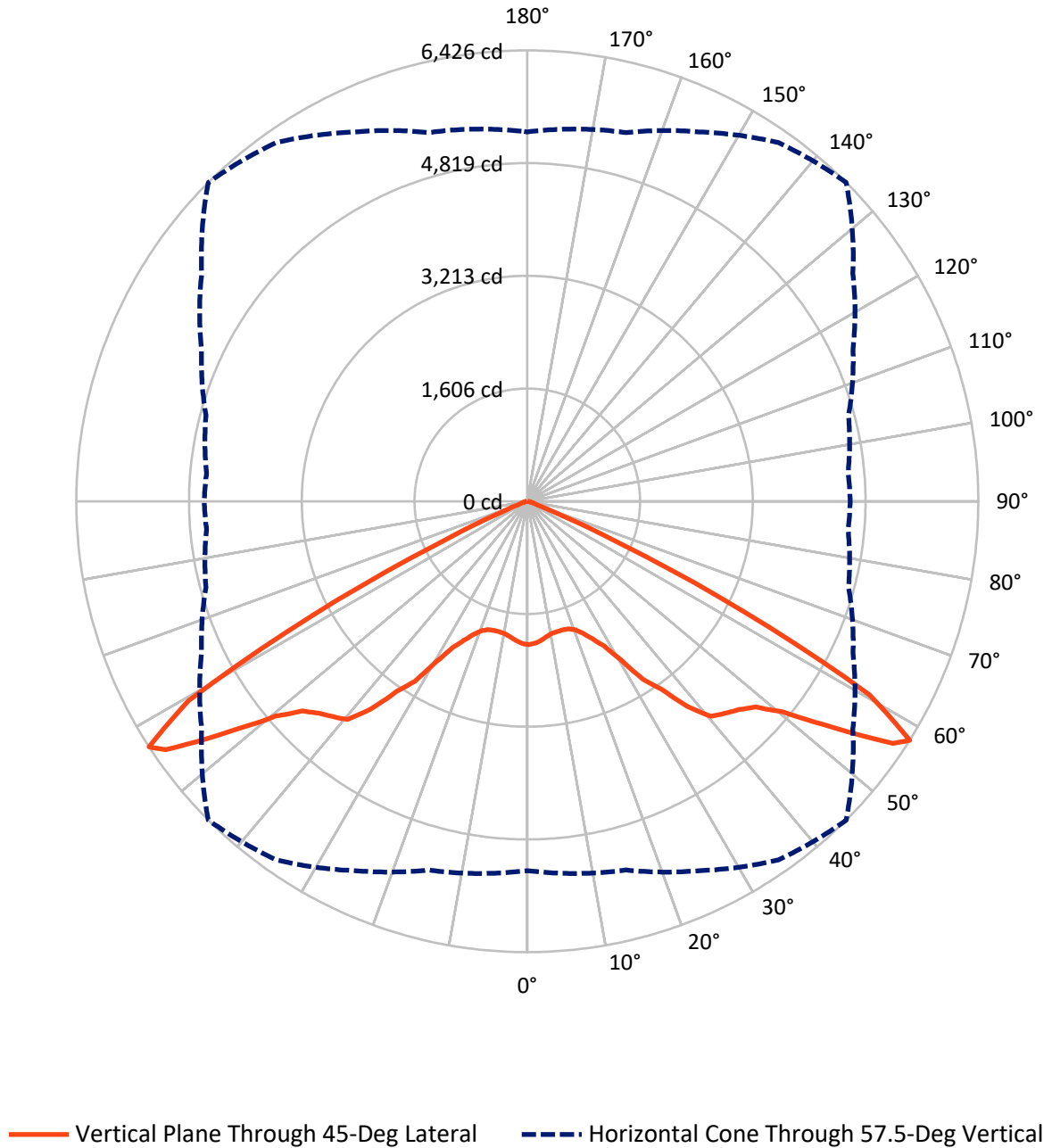
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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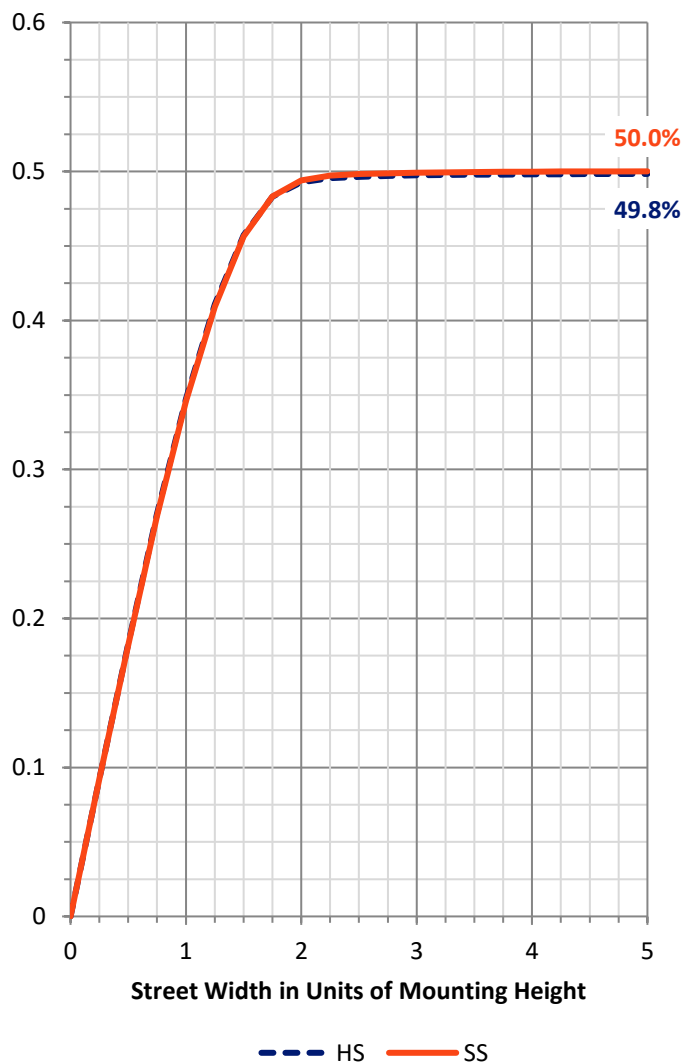
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6588.5	0.0	6588.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6588.5	0.0	6588.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	13177.0	0.0	13177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.8	1.4
10°-20°	542.9	4.1
20°-30°	1002.1	7.6
30°-40°	1970.8	15.0
40°-50°	3209.9	24.4
50°-60°	4577.7	34.7
60°-70°	1584.9	12.0
70°-80°	85.0	0.6
80°-90°	16.0	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°	13177.0	100.0
0°-180°	13177.0	100.0

Coefficient of Utilization

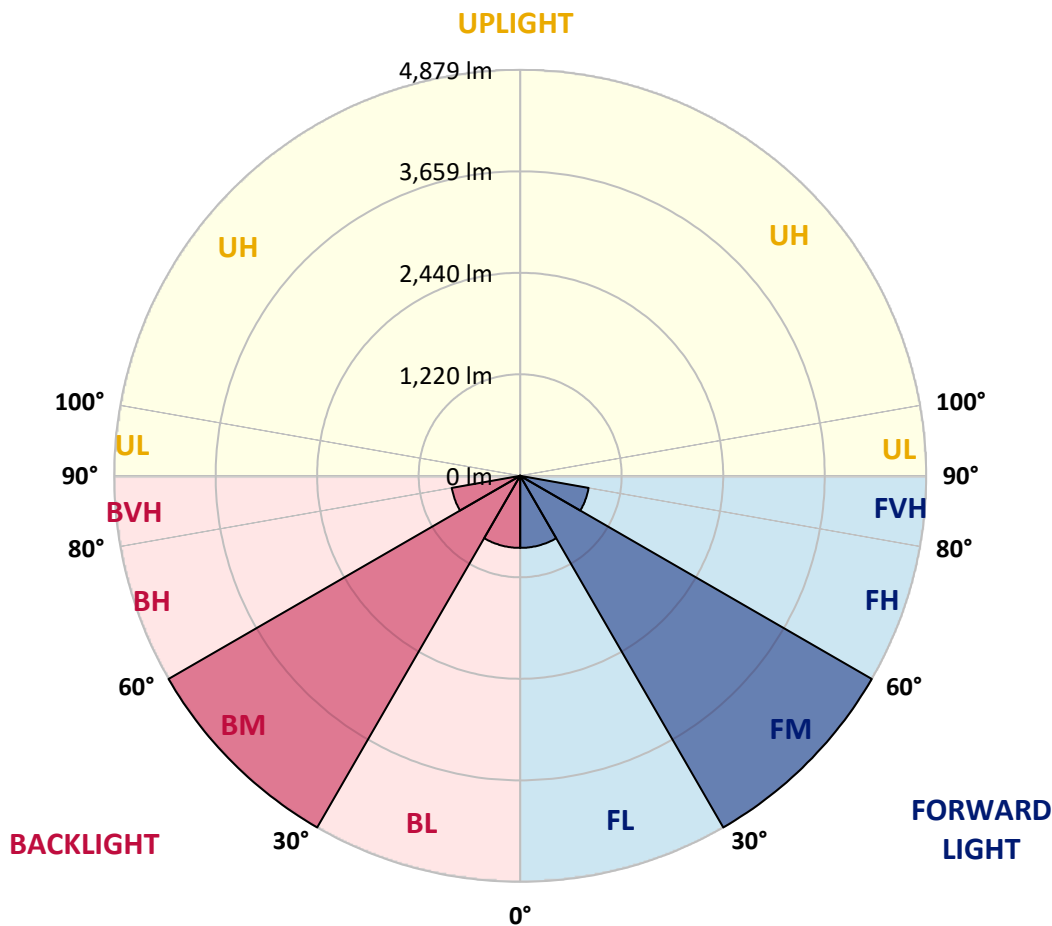


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	866.4	6.6			
FM (30°-60°)	4879.1	37.0			
FH (60°-80°)	835.0	6.3			G1/1800
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	866.4	6.6	B2/1000		
BM (30°-60°)	4879.1	37.0	B3/5000		
BH (60°-80°)	835.0	6.3	B2/1000		G1/1800
BVH (80°-90°)	8.0	0.1			G0/10
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°	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9	2043.9
2.5°	2038.4	2049.4	2035.6	2030.2	2027.4	2027.4	2019.2	2019.2	2016.4	2019.2	2008.2
5°	2005.4	2016.4	2016.4	2013.7	1997.2	1994.4	1986.2	1980.7	1983.5	1972.5	1980.7
7.5°	1972.5	1980.7	1969.7	1967.0	1961.5	1950.5	1947.7	1923.0	1925.8	1925.8	1931.3
10°	1967.0	1964.2	1947.7	1934.0	1917.5	1914.8	1906.5	1901.0	1901.0	1898.3	1906.5
12.5°	1967.0	1953.2	1950.5	1920.3	1892.8	1903.8	1881.8	1868.1	1887.3	1892.8	1903.8
15°	1964.2	1978.0	1931.3	1917.5	1898.3	1901.0	1881.8	1868.1	1879.1	1884.6	1892.8
17.5°	1980.7	1972.5	1958.7	1931.3	1923.0	1912.0	1887.3	1876.3	1876.3	1890.0	1892.8
20°	2024.7	2002.7	1975.2	1961.5	1969.7	1956.0	1925.8	1884.6	1895.5	1906.5	1914.8
22.5°	2065.9	2049.4	2030.2	2021.9	2068.6	2046.6	1994.4	1947.7	1931.3	1950.5	1964.2
25°	2145.5	2145.5	2109.8	2120.8	2173.0	2175.8	2115.3	2032.9	2021.9	2030.2	2035.6
27.5°	2307.6	2315.9	2285.6	2296.6	2318.6	2337.8	2285.6	2217.0	2192.2	2189.5	2197.7
30°	2483.4	2499.9	2497.2	2543.9	2607.1	2618.0	2541.1	2428.5	2354.3	2340.6	2351.6
32.5°	2714.2	2722.4	2716.9	2771.9	2942.2	3021.9	2821.3	2662.0	2563.1	2587.8	2563.1
35°	3148.3	3140.0	3079.6	3090.6	3230.7	3288.4	3096.1	2994.4	2947.7	2997.2	2986.2
37.5°	3521.9	3491.6	3442.2	3513.6	3659.2	3711.4	3510.9	3332.3	3247.1	3329.6	3365.3
40°	3837.8	3760.9	3692.2	3763.6	3958.7	4030.1	3736.1	3590.5	3557.6	3618.0	3694.9
42.5°	4104.3	4054.8	3964.2	3969.7	4098.8	4131.7	3895.5	3810.3	3777.4	3873.5	3912.0
45°	4293.8	4247.1	4162.0	4156.5	4255.4	4233.4	4021.8	3964.2	3983.4	4046.6	4065.8
47.5°	4390.0	4414.7	4365.2	4379.0	4431.2	4379.0	4211.4	4211.4	4167.4	4205.9	4186.7
50°	4667.4	4590.5	4653.7	4653.7	4708.6	4714.1	4546.6	4486.1	4368.0	4302.1	4302.1
52.5°	4991.6	4997.1	5021.8	5112.5	5205.9	5285.5	5046.5	4788.3	4590.5	4505.4	4494.4
55°	5258.1	5313.0	5411.9	5582.2	5851.5	5961.3	5549.3	5087.7	4846.0	4714.1	4686.7
56°	5403.7	5351.5	5521.8	5755.3	6106.9	6249.8	5631.7	5148.2	4881.7	4733.4	4730.6
57.5°	5263.6	5321.3	5439.4	5807.5	6238.8	6425.6	5661.9	5120.7	4738.9	4587.8	4601.5
60°	4156.5	4211.4	4370.7	4782.8	5458.6	5604.2	4791.1	4222.4	3881.7	3664.7	3667.5
62.5°	2351.6	2392.8	2516.4	2898.3	3318.6	3458.7	2986.2	2607.1	2370.8	2249.9	2211.5
65°	865.4	848.9	868.1	1063.2	1321.4	1439.5	1241.7	1049.4	925.8	881.8	865.4
67.5°	324.2	299.4	280.2	299.4	376.4	398.3	365.4	304.9	285.7	293.9	299.4
70°	200.5	189.6	151.1	142.9	140.1	137.4	145.6	153.8	175.8	206.0	211.5
72.5°	140.1	131.9	107.1	101.6	96.2	93.4	107.1	118.1	137.4	159.3	162.1
75°	54.9	57.7	54.9	60.4	63.2	65.9	76.9	85.2	93.4	93.4	90.7
77.5°	11.0	11.0	16.5	22.0	27.5	35.7	52.2	60.4	63.2	60.4	52.2
80°	0.0	0.0	5.5	11.0	22.0	30.2	46.7	52.2	57.7	52.2	41.2
82.5°	0.0	0.0	5.5	13.7	22.0	27.5	44.0	54.9	63.2	57.7	44.0
85°	0.0	0.0	5.5	11.0	16.5	19.2	19.2	13.7	13.7	8.2	5.5
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)