

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: P530747

Luminaire Tested: **GALN-SA6A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530747
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-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 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: 12882 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

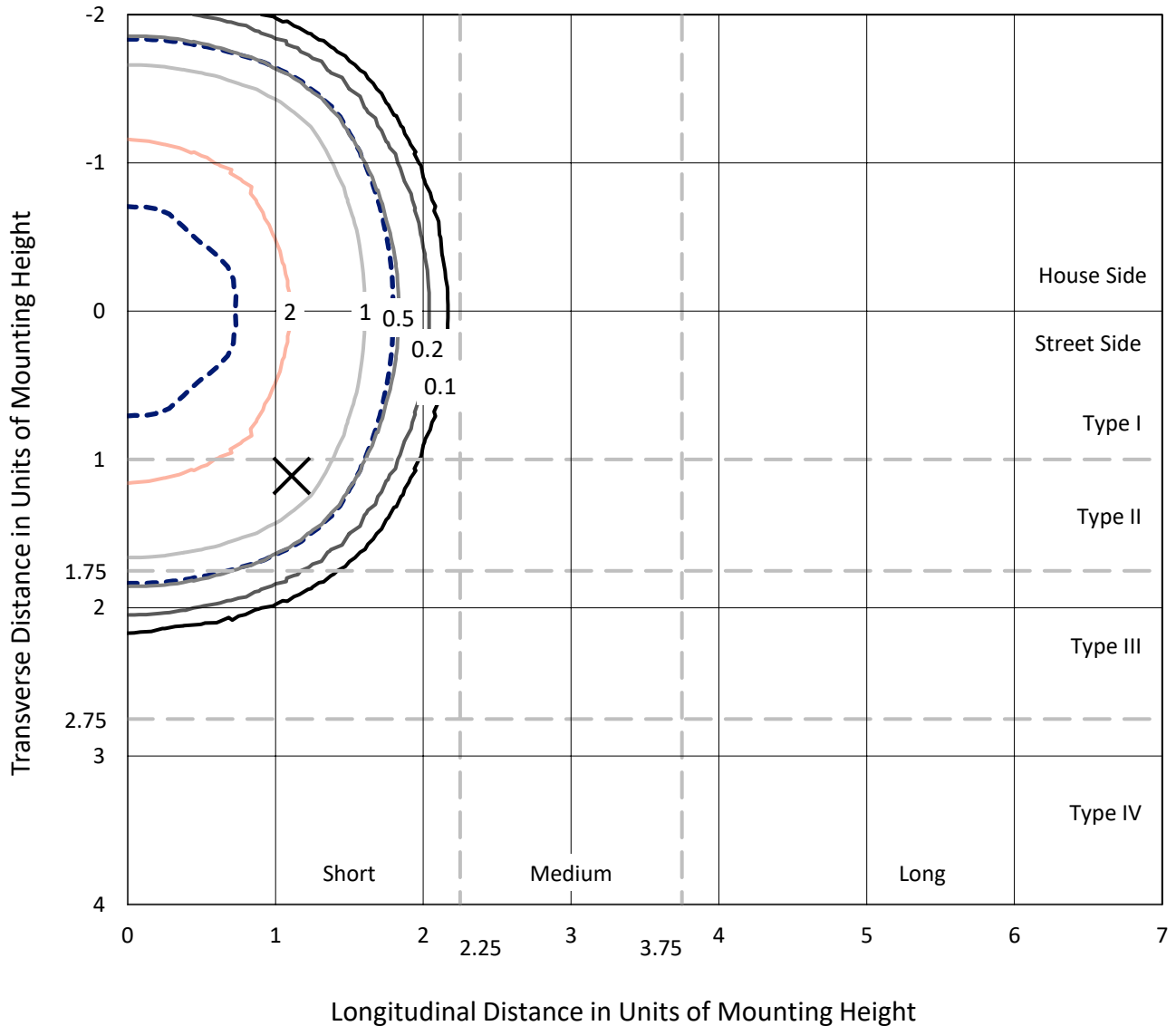
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

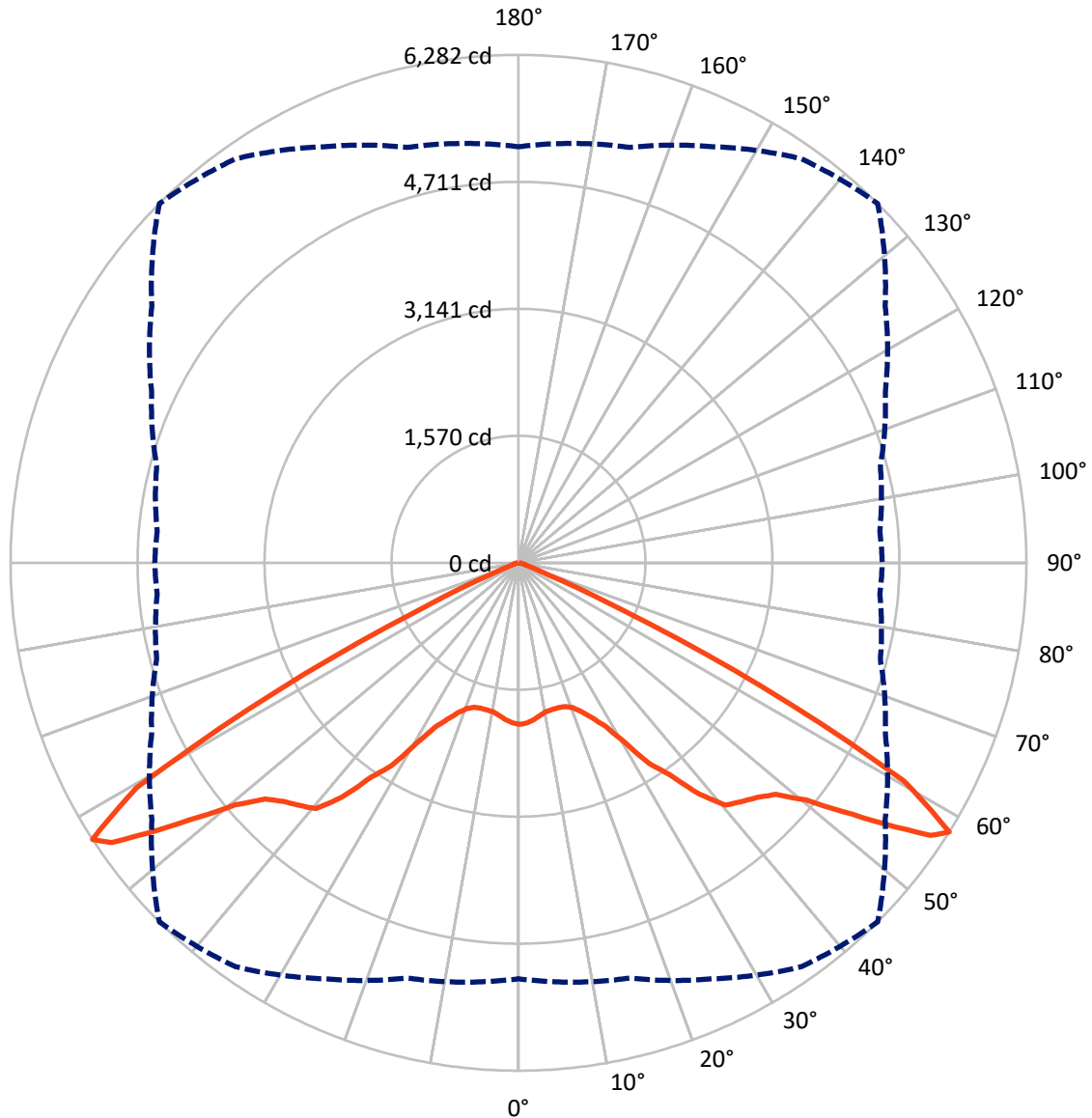
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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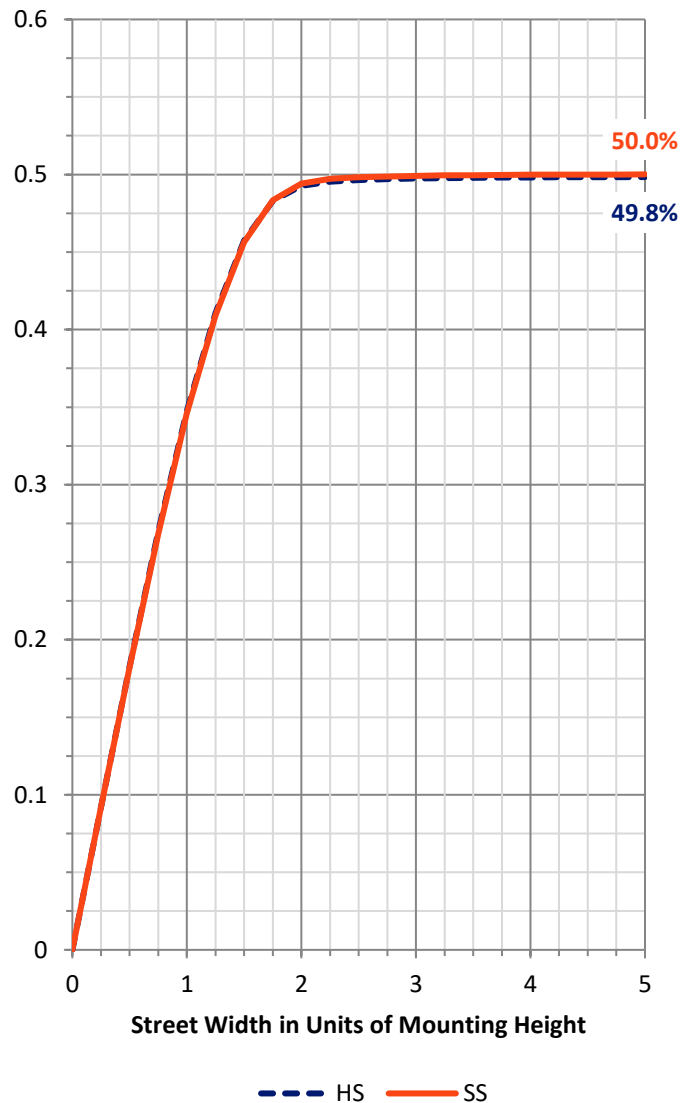
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6441.0	0.0	6441.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6441.0	0.0	6441.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12882.0	0.0	12882.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	1.4
10°-20°	530.7	4.1
20°-30°	979.7	7.6
30°-40°	1926.7	15.0
40°-50°	3138.0	24.4
50°-60°	4475.2	34.7
60°-70°	1549.4	12.0
70°-80°	83.1	0.6
80°-90°	15.6	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°	12882.0	100.0
0°-180°	12882.0	100.0

Coefficient of Utilization



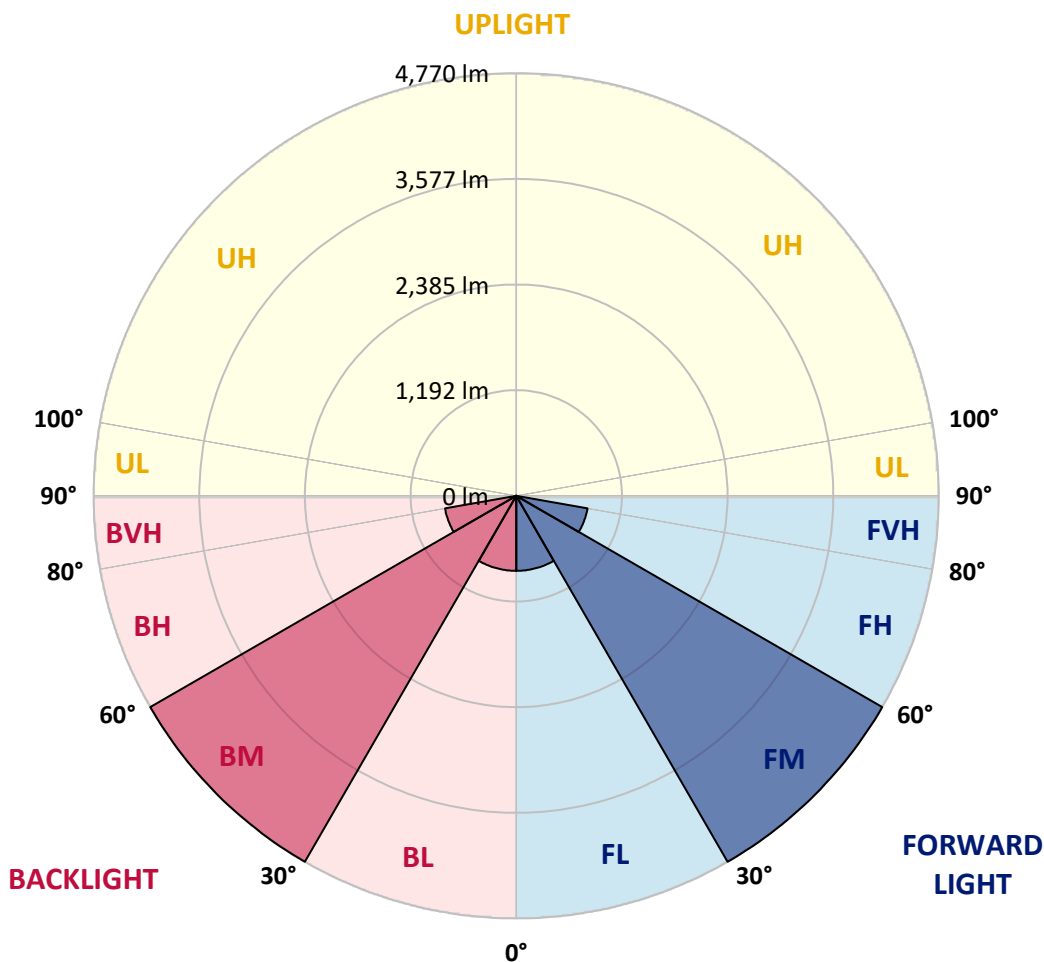
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	847.0	6.6			
FM (30°-60°)	4769.9	37.0			
FH (60°-80°)	816.3	6.3			G1/1800
FVH (80°-90°)	7.8	0.1			G0/10
BL (0°-30°)	847.0	6.6	B2/1000		
BM (30°-60°)	4769.9	37.0	B3/5000		
BH (60°-80°)	816.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	7.8	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°	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1	1998.1
2.5°	1992.8	2003.5	1990.1	1984.7	1982.0	1982.0	1974.0	1974.0	1971.3	1974.0	1963.2
5°	1960.5	1971.3	1971.3	1968.6	1952.5	1949.8	1941.7	1936.4	1939.0	1928.3	1936.4
7.5°	1928.3	1936.4	1925.6	1922.9	1917.6	1906.8	1904.1	1880.0	1882.6	1882.6	1888.0
10°	1922.9	1920.2	1904.1	1890.7	1874.6	1871.9	1863.8	1858.5	1858.5	1855.8	1863.8
12.5°	1922.9	1909.5	1906.8	1877.3	1850.4	1861.2	1839.7	1826.3	1845.1	1850.4	1861.2
15°	1920.2	1933.7	1888.0	1874.6	1855.8	1858.5	1839.7	1826.3	1837.0	1842.4	1850.4
17.5°	1936.4	1928.3	1914.9	1888.0	1880.0	1869.2	1845.1	1834.3	1834.3	1847.7	1850.4
20°	1979.3	1957.8	1931.0	1917.6	1925.6	1912.2	1882.6	1842.4	1853.1	1863.8	1871.9
22.5°	2019.6	2003.5	1984.7	1976.6	2022.3	2000.8	1949.8	1904.1	1888.0	1906.8	1920.2
25°	2097.5	2097.5	2062.6	2073.3	2124.4	2127.0	2068.0	1987.4	1976.6	1984.7	1990.1
27.5°	2256.0	2264.0	2234.5	2245.2	2266.7	2285.5	2234.5	2167.3	2143.2	2140.5	2148.5
30°	2427.8	2444.0	2441.3	2486.9	2548.7	2559.4	2484.2	2374.1	2301.6	2288.2	2298.9
32.5°	2653.4	2661.5	2656.1	2709.8	2876.3	2954.2	2758.2	2602.4	2505.7	2529.9	2505.7
35°	3077.8	3069.7	3010.6	3021.4	3158.3	3214.7	3026.7	2927.4	2881.7	2930.1	2919.3
37.5°	3443.0	3413.5	3365.1	3435.0	3577.3	3628.3	3432.3	3257.7	3174.5	3255.0	3289.9
40°	3751.9	3676.7	3609.5	3679.4	3870.0	3939.9	3652.5	3510.2	3477.9	3537.0	3612.2
42.5°	4012.4	3964.0	3875.4	3880.8	4007.0	4039.2	3808.3	3725.0	3692.8	3786.8	3824.4
45°	4197.7	4152.0	4068.8	4063.4	4160.1	4138.6	3931.8	3875.4	3894.2	3956.0	3974.8
47.5°	4291.7	4315.9	4267.5	4280.9	4332.0	4280.9	4117.1	4117.1	4074.2	4111.7	4093.0
50°	4562.9	4487.7	4549.5	4549.5	4603.2	4608.6	4444.8	4385.7	4270.2	4205.7	4205.7
52.5°	4879.8	4885.2	4909.4	4998.0	5089.3	5167.2	4933.6	4681.1	4487.7	4404.5	4393.7
55°	5140.4	5194.1	5290.8	5457.3	5720.5	5827.9	5425.0	4973.8	4737.5	4608.6	4581.7
56°	5282.7	5231.7	5398.2	5626.5	5970.2	6109.9	5505.6	5032.9	4772.4	4627.4	4624.7
57.5°	5145.7	5202.1	5317.6	5677.5	6099.1	6281.8	5535.2	5006.1	4632.8	4485.1	4498.5
60°	4063.4	4117.1	4272.9	4675.7	5336.4	5478.8	4683.8	4127.9	3794.8	3582.7	3585.4
62.5°	2298.9	2339.2	2460.1	2833.4	3244.3	3381.2	2919.3	2548.7	2317.7	2199.6	2162.0
65°	846.0	829.9	848.7	1039.4	1291.8	1407.3	1213.9	1025.9	905.1	862.1	846.0
67.5°	316.9	292.7	273.9	292.7	367.9	389.4	357.2	298.1	279.3	287.4	292.7
70°	196.1	185.3	147.7	139.7	137.0	134.3	142.3	150.4	171.9	201.4	206.8
72.5°	137.0	128.9	104.7	99.4	94.0	91.3	104.7	115.5	134.3	155.8	158.5
75°	53.7	56.4	53.7	59.1	61.8	64.5	75.2	83.3	91.3	91.3	88.6
77.5°	10.7	10.7	16.1	21.5	26.9	34.9	51.0	59.1	61.8	59.1	51.0
80°	0.0	0.0	5.4	10.7	21.5	29.5	45.7	51.0	56.4	51.0	40.3
82.5°	0.0	0.0	5.4	13.4	21.5	26.9	43.0	53.7	61.8	56.4	43.0
85°	0.0	0.0	5.4	10.7	16.1	18.8	18.8	13.4	13.4	8.1	5.4
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)