

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: P651934

Luminaire Tested: **GALN-SA6A-840-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P651934
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-840-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 11895.9 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

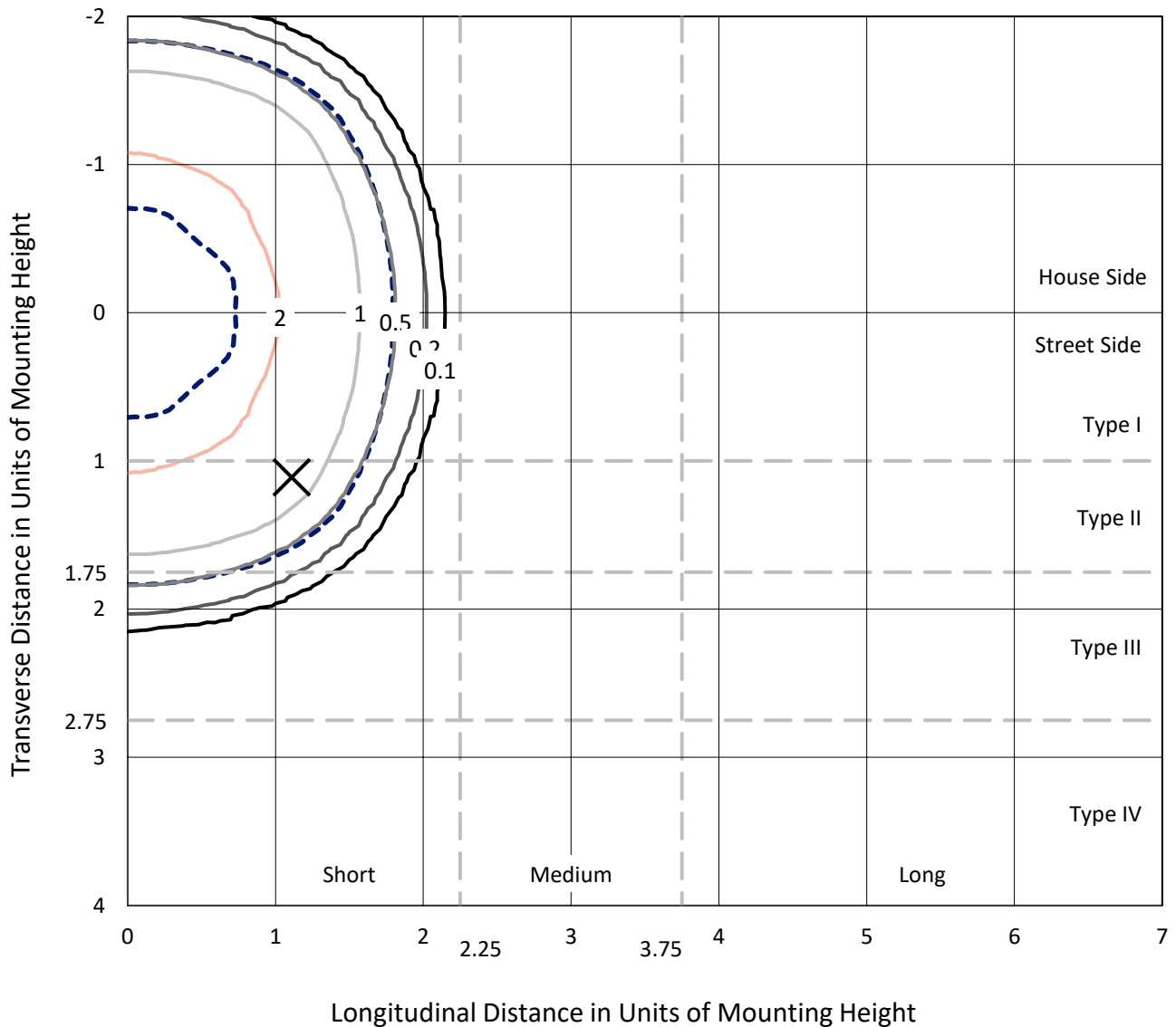
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

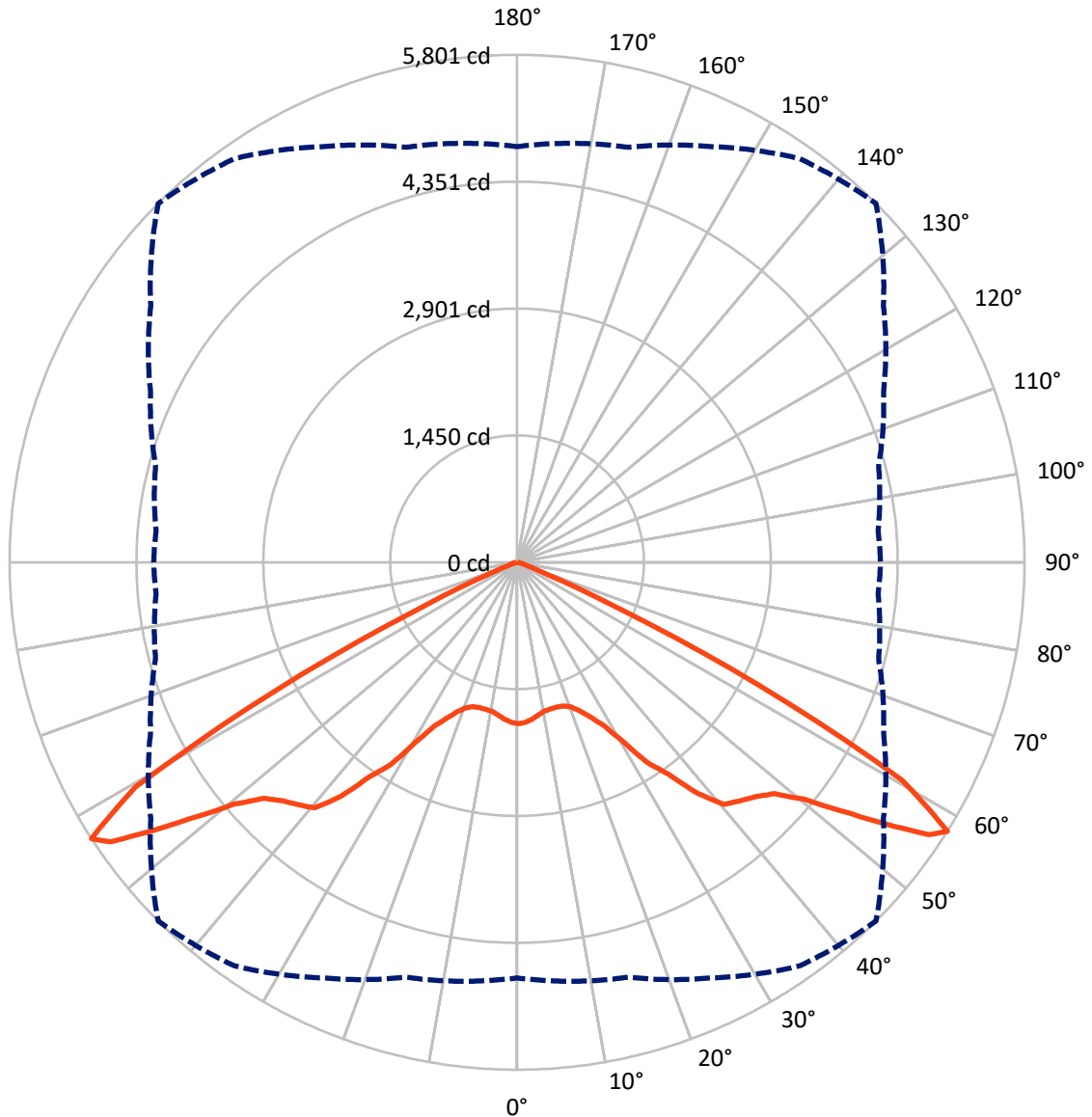
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 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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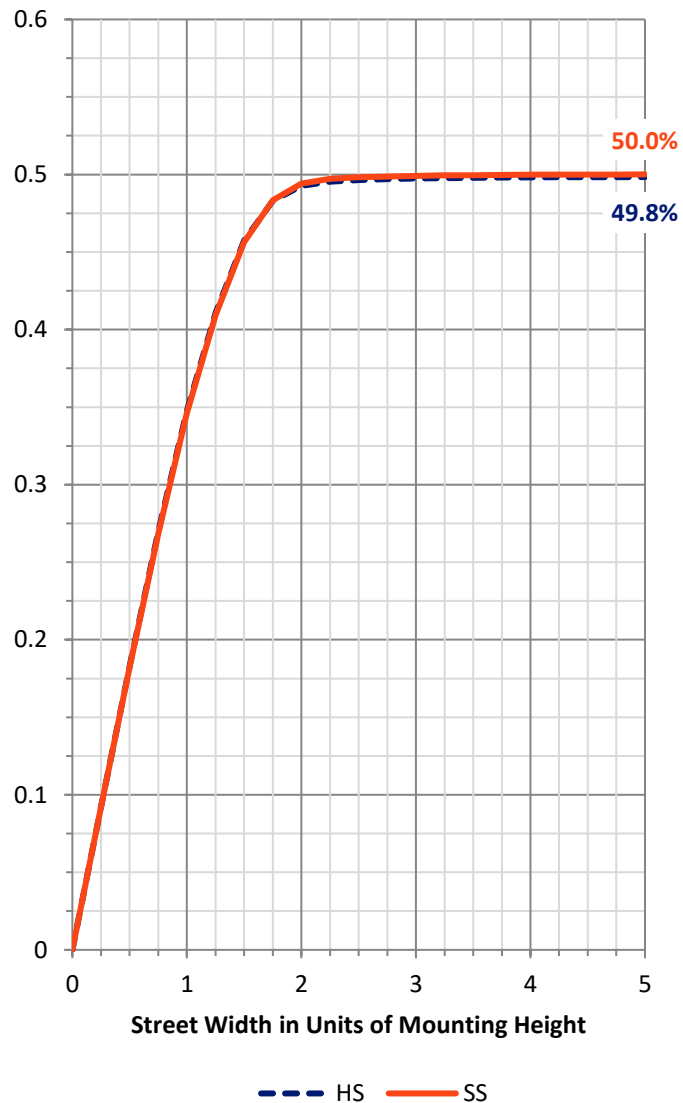
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5948.0	0.0	5948.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5948.0	0.0	5948.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11895.9	0.0	11895.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.6	1.4
10°-20°	490.1	4.1
20°-30°	904.7	7.6
30°-40°	1779.2	15.0
40°-50°	2897.8	24.4
50°-60°	4132.6	34.7
60°-70°	1430.8	12.0
70°-80°	76.8	0.6
80°-90°	14.4	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°	11895.9	100.0
0°-180°	11895.9	100.0

Coefficient of Utilization



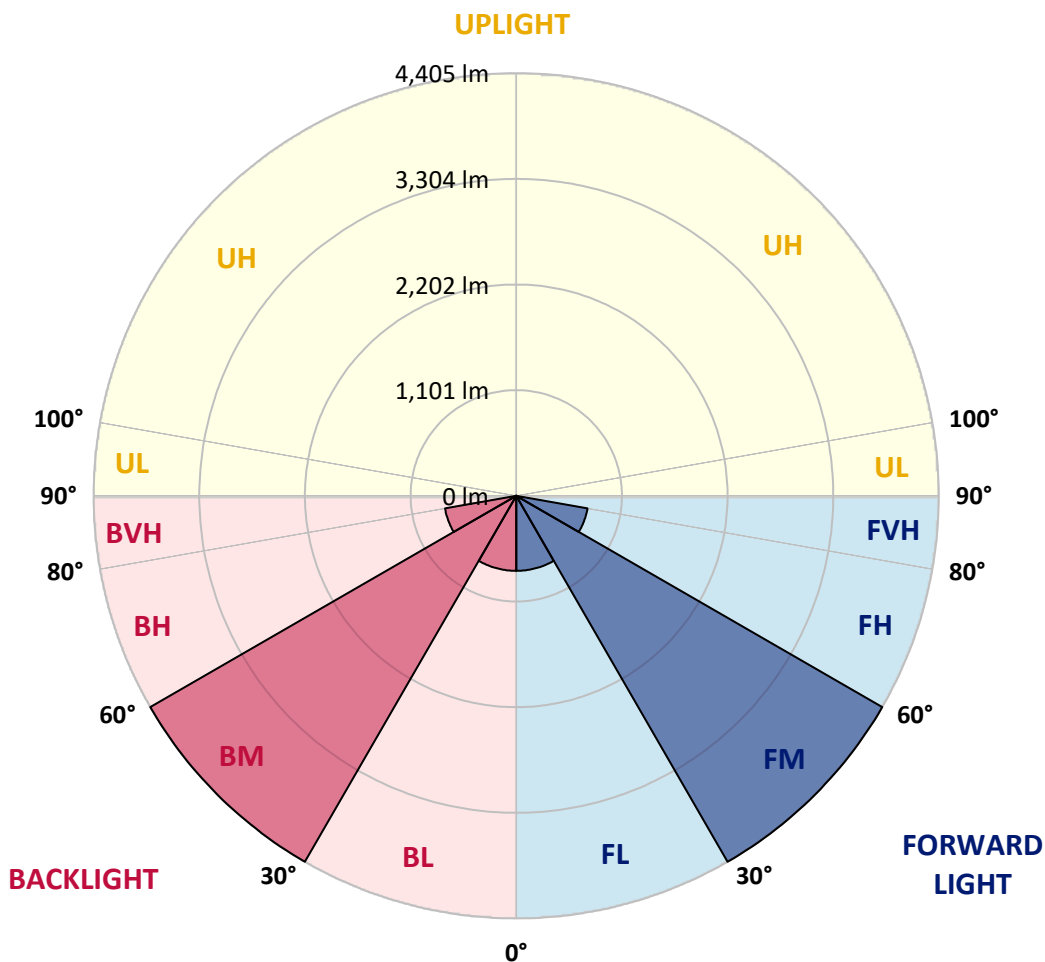
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	782.2	6.6			
FM (30°-60°)	4404.8	37.0			
FH (60°-80°)	753.8	6.3			G1/1800
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	782.2	6.6	B2/1000		
BM (30°-60°)	4404.8	37.0	B3/5000		
BH (60°-80°)	753.8	6.3	B2/1000		G1/1800
BVH (80°-90°)	7.2	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°	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2	1845.2
2.5°	1840.2	1850.1	1837.8	1832.8	1830.3	1830.3	1822.9	1822.9	1820.3	1822.9	1812.9
5°	1810.5	1820.3	1820.3	1817.9	1803.0	1800.6	1793.1	1788.1	1790.7	1780.7	1788.1
7.5°	1780.7	1788.1	1778.2	1775.8	1770.8	1760.9	1758.4	1736.1	1738.5	1738.5	1743.5
10°	1775.8	1773.2	1758.4	1746.0	1731.1	1728.6	1721.2	1716.2	1716.2	1713.7	1721.2
12.5°	1775.8	1763.3	1760.9	1733.6	1708.7	1718.7	1698.8	1686.5	1703.8	1708.7	1718.7
15°	1773.2	1785.7	1743.5	1731.1	1713.7	1716.2	1698.8	1686.5	1696.4	1701.3	1708.7
17.5°	1788.1	1780.7	1768.3	1743.5	1736.1	1726.2	1703.8	1693.9	1693.9	1706.3	1708.7
20°	1827.8	1808.0	1783.2	1770.8	1778.2	1765.8	1738.5	1701.3	1711.3	1721.2	1728.6
22.5°	1865.0	1850.1	1832.8	1825.3	1867.5	1847.7	1800.6	1758.4	1743.5	1760.9	1773.2
25°	1936.9	1936.9	1904.7	1914.6	1961.7	1964.2	1909.7	1835.2	1825.3	1832.8	1837.8
27.5°	2083.2	2090.7	2063.4	2073.3	2093.2	2110.6	2063.4	2001.4	1979.1	1976.6	1984.1
30°	2242.0	2256.9	2254.4	2296.6	2353.6	2363.5	2294.1	2192.4	2125.5	2113.0	2122.9
32.5°	2450.3	2457.7	2452.8	2502.4	2656.2	2728.1	2547.1	2403.2	2313.9	2336.2	2313.9
35°	2842.2	2834.8	2780.2	2790.1	2916.6	2968.6	2795.1	2703.3	2661.2	2705.7	2695.8
37.5°	3179.5	3152.2	3107.6	3172.0	3303.4	3350.6	3169.6	3008.3	2931.5	3005.9	3038.1
40°	3464.7	3395.2	3333.2	3397.7	3573.8	3638.3	3372.9	3241.5	3211.7	3266.3	3335.7
42.5°	3705.3	3660.6	3578.8	3583.8	3700.3	3730.1	3516.7	3439.9	3410.1	3497.0	3531.6
45°	3876.3	3834.2	3757.3	3752.4	3841.7	3821.8	3630.8	3578.8	3596.1	3653.1	3670.5
47.5°	3963.2	3985.5	3940.8	3953.3	4000.4	3953.3	3802.0	3802.0	3762.3	3797.0	3779.6
50°	4213.7	4144.2	4201.3	4201.3	4250.8	4255.8	4104.6	4050.0	3943.4	3883.8	3883.8
52.5°	4506.3	4511.3	4533.6	4615.4	4699.8	4771.7	4555.9	4322.8	4144.2	4067.3	4057.4
55°	4746.9	4796.5	4885.8	5039.5	5282.6	5381.8	5009.8	4593.1	4374.9	4255.8	4231.1
56°	4878.3	4831.2	4984.9	5195.8	5513.3	5642.2	5084.2	4647.7	4407.1	4273.2	4270.7
57.5°	4751.8	4804.0	4910.6	5242.9	5632.3	5801.0	5111.4	4622.9	4278.2	4141.8	4154.1
60°	3752.4	3802.0	3945.8	4317.9	4927.9	5059.4	4325.3	3811.9	3504.4	3308.4	3310.9
62.5°	2122.9	2160.2	2271.8	2616.5	2996.0	3122.5	2695.8	2353.6	2140.3	2031.2	1996.4
65°	781.2	766.3	783.7	959.8	1193.0	1299.6	1121.0	947.4	835.8	796.1	781.2
67.5°	292.7	270.3	253.0	270.3	339.8	359.6	329.8	275.3	257.9	265.3	270.3
70°	181.1	171.1	136.4	128.9	126.5	124.0	131.4	138.8	158.7	186.0	191.0
72.5°	126.5	119.1	96.7	91.8	86.8	84.4	96.7	106.6	124.0	143.8	146.3
75°	49.6	52.1	49.6	54.6	57.0	59.5	69.5	76.9	84.4	84.4	81.8
77.5°	9.9	9.9	14.9	19.8	24.8	32.2	47.1	54.6	57.0	54.6	47.1
80°	0.0	0.0	5.0	9.9	19.8	27.2	42.1	47.1	52.1	47.1	37.2
82.5°	0.0	0.0	5.0	12.4	19.8	24.8	39.7	49.6	57.0	52.1	39.7
85°	0.0	0.0	5.0	9.9	14.9	17.3	17.3	12.4	12.4	7.4	5.0
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)