

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: STREETWORKS

Report Number: P530721

Luminaire Tested: **GLAN-SA6A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530721
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: STREETWORKS
Catalog Number: GLAN-SA6A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 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: 11830 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

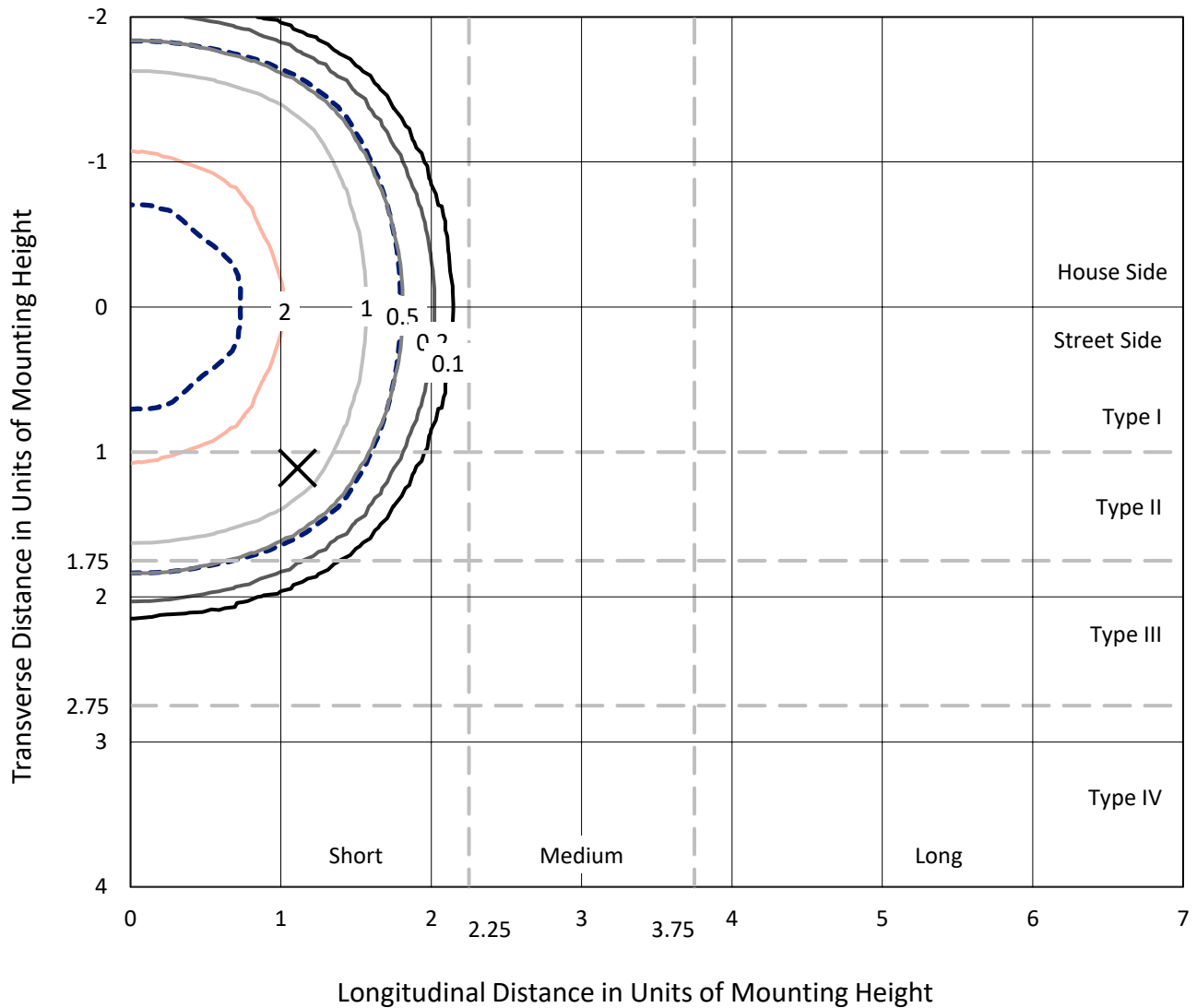
Input Watts (W): 182
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

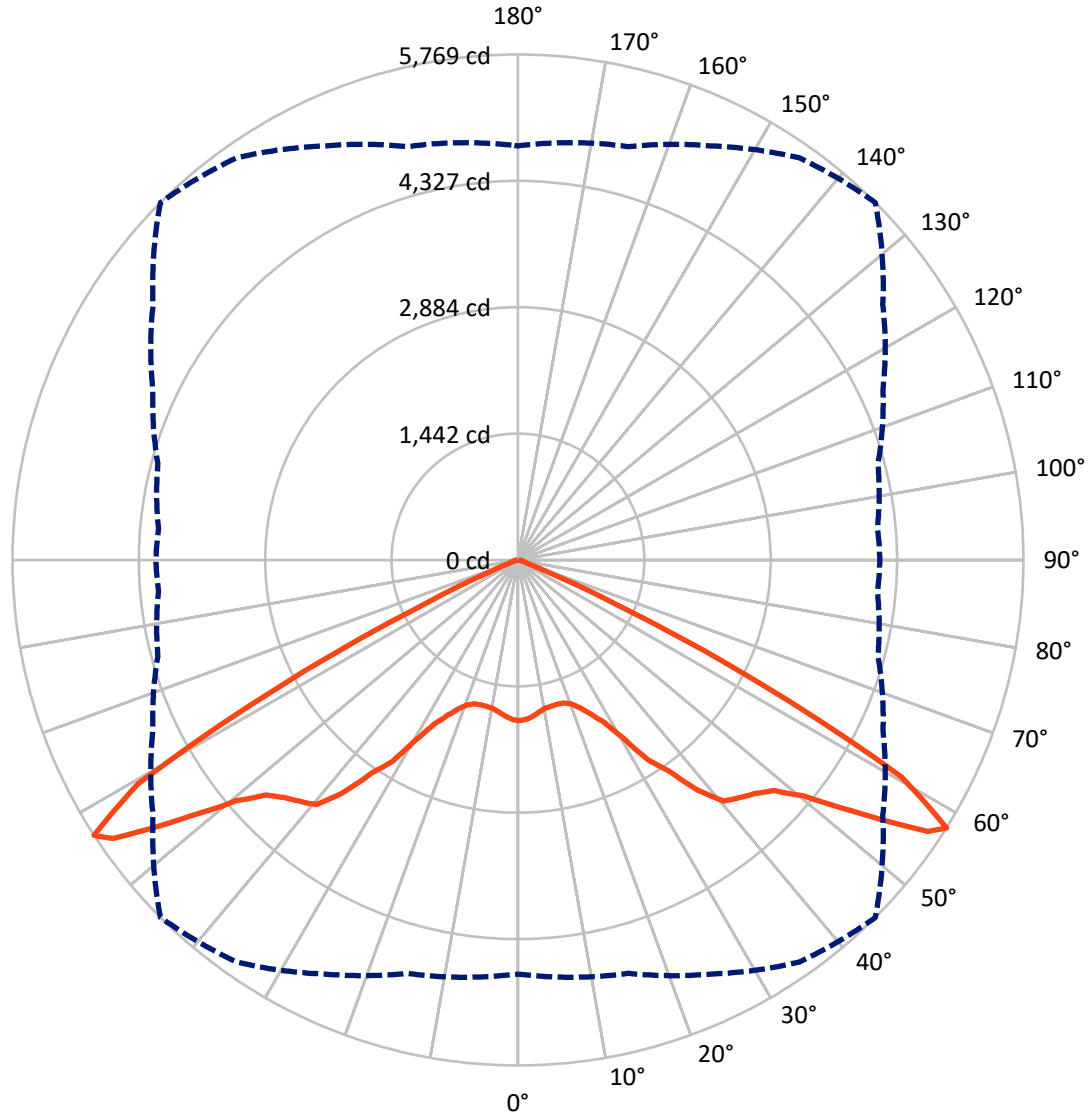
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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	5915.0	0.0	5915.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5915.0	0.0	5915.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11830.0	0.0	11830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.6	1.4
10°-20°	487.4	4.1
20°-30°	899.7	7.6
30°-40°	1769.3	15.0
40°-50°	2881.7	24.4
50°-60°	4109.7	34.7
60°-70°	1422.9	12.0
70°-80°	76.3	0.6
80°-90°	14.3	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°	11830.0	100.0
0°-180°	11830.0	100.0

Coefficient of Utilization

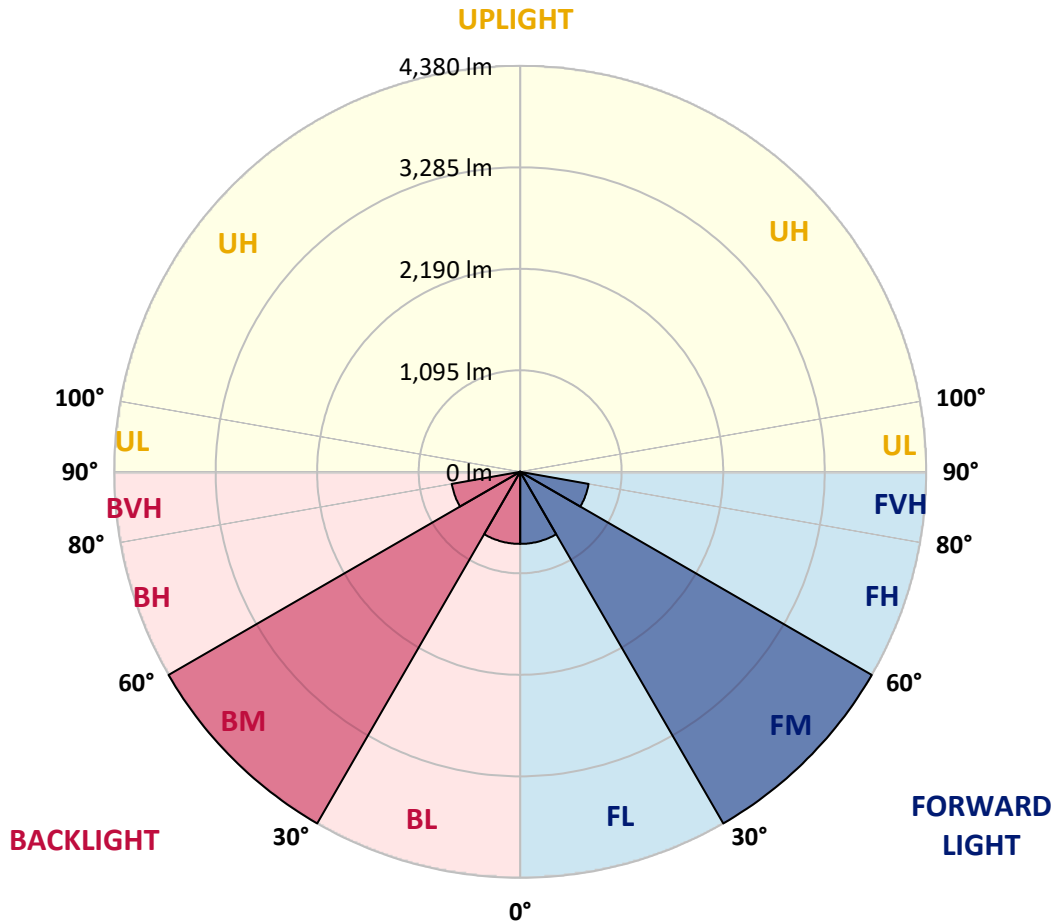


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	777.8	6.6			
FM (30°-60°)	4380.4	37.0			
FH (60°-80°)	749.6	6.3			G1/1800
FVH (80°-90°)	7.2	0.1			G0/10
BL (0°-30°)	777.8	6.6	B2/1000		
BM (30°-60°)	4380.4	37.0	B3/5000		
BH (60°-80°)	749.6	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°	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0	1835.0
2.5°	1830.0	1839.9	1827.6	1822.6	1820.2	1820.2	1812.8	1812.8	1810.3	1812.8	1802.9
5°	1800.4	1810.3	1810.3	1807.8	1793.0	1790.6	1783.2	1778.2	1780.7	1770.8	1778.2
7.5°	1770.8	1778.2	1768.4	1765.9	1761.0	1751.1	1748.6	1726.4	1728.9	1728.9	1733.8
10°	1765.9	1763.4	1748.6	1736.3	1721.5	1719.0	1711.6	1706.7	1706.7	1704.2	1711.6
12.5°	1765.9	1753.6	1751.1	1724.0	1699.3	1709.2	1689.4	1677.1	1694.4	1699.3	1709.2
15°	1763.4	1775.8	1733.8	1721.5	1704.2	1706.7	1689.4	1677.1	1687.0	1691.9	1699.3
17.5°	1778.2	1770.8	1758.5	1733.8	1726.4	1716.6	1694.4	1684.5	1684.5	1696.8	1699.3
20°	1817.7	1798.0	1773.3	1761.0	1768.4	1756.0	1728.9	1691.9	1701.8	1711.6	1719.0
22.5°	1854.7	1839.9	1822.6	1815.2	1857.2	1837.4	1790.6	1748.6	1733.8	1751.1	1763.4
25°	1926.2	1926.2	1894.1	1904.0	1950.9	1953.3	1899.1	1825.1	1815.2	1822.6	1827.6
27.5°	2071.7	2079.1	2052.0	2061.9	2081.6	2098.9	2052.0	1990.3	1968.1	1965.7	1973.1
30°	2229.6	2244.4	2241.9	2283.8	2340.6	2350.4	2281.4	2180.2	2113.7	2101.3	2111.2
32.5°	2436.7	2444.1	2439.2	2488.5	2641.5	2713.0	2532.9	2389.9	2301.1	2323.3	2301.1
35°	2826.4	2819.0	2764.8	2774.6	2900.4	2952.2	2779.6	2688.3	2646.4	2690.8	2680.9
37.5°	3161.8	3134.7	3090.3	3154.4	3285.2	3332.0	3152.0	2991.7	2915.2	2989.2	3021.3
40°	3445.5	3376.4	3314.8	3378.9	3554.0	3618.1	3354.2	3223.5	3193.9	3248.2	3317.2
42.5°	3684.7	3640.3	3558.9	3563.9	3679.8	3709.4	3497.3	3420.8	3391.2	3477.5	3512.1
45°	3854.9	3813.0	3736.5	3731.6	3820.4	3800.6	3610.7	3558.9	3576.2	3632.9	3650.2
47.5°	3941.2	3963.4	3919.0	3931.3	3978.2	3931.3	3780.9	3780.9	3741.4	3776.0	3758.7
50°	4190.3	4121.3	4178.0	4178.0	4227.3	4232.2	4081.8	4027.5	3921.5	3862.3	3862.3
52.5°	4481.3	4486.3	4508.5	4589.9	4673.7	4745.2	4530.7	4298.8	4121.3	4044.8	4034.9
55°	4720.6	4769.9	4858.7	5011.6	5253.3	5352.0	4982.0	4567.7	4350.6	4232.2	4207.6
56°	4851.3	4804.4	4957.3	5167.0	5482.7	5610.9	5056.0	4621.9	4382.7	4249.5	4247.0
57.5°	4725.5	4777.3	4883.4	5213.8	5601.1	5768.8	5083.1	4597.3	4254.4	4118.8	4131.1
60°	3731.6	3780.9	3923.9	4293.9	4900.6	5031.3	4301.3	3790.8	3484.9	3290.1	3292.6
62.5°	2111.2	2148.2	2259.2	2602.0	2979.3	3105.1	2680.9	2340.6	2128.5	2019.9	1985.4
65°	776.9	762.1	779.4	954.5	1186.3	1292.4	1114.8	942.1	831.2	791.7	776.9
67.5°	291.0	268.8	251.6	268.8	337.9	357.6	328.0	273.8	256.5	263.9	268.8
70°	180.0	170.2	135.6	128.2	125.8	123.3	130.7	138.1	157.8	185.0	189.9
72.5°	125.8	118.4	96.2	91.3	86.3	83.9	96.2	106.1	123.3	143.0	145.5
75°	49.3	51.8	49.3	54.3	56.7	59.2	69.1	76.5	83.9	83.9	81.4
77.5°	9.9	9.9	14.8	19.7	24.7	32.1	46.9	54.3	56.7	54.3	46.9
80°	0.0	0.0	4.9	9.9	19.7	27.1	41.9	46.9	51.8	46.9	37.0
82.5°	0.0	0.0	4.9	12.3	19.7	24.7	39.5	49.3	56.7	51.8	39.5
85°	0.0	0.0	4.9	9.9	14.8	17.3	17.3	12.3	12.3	7.4	4.9
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)