

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: P529029

Luminaire Tested: **GLAN-SA4A-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9876 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

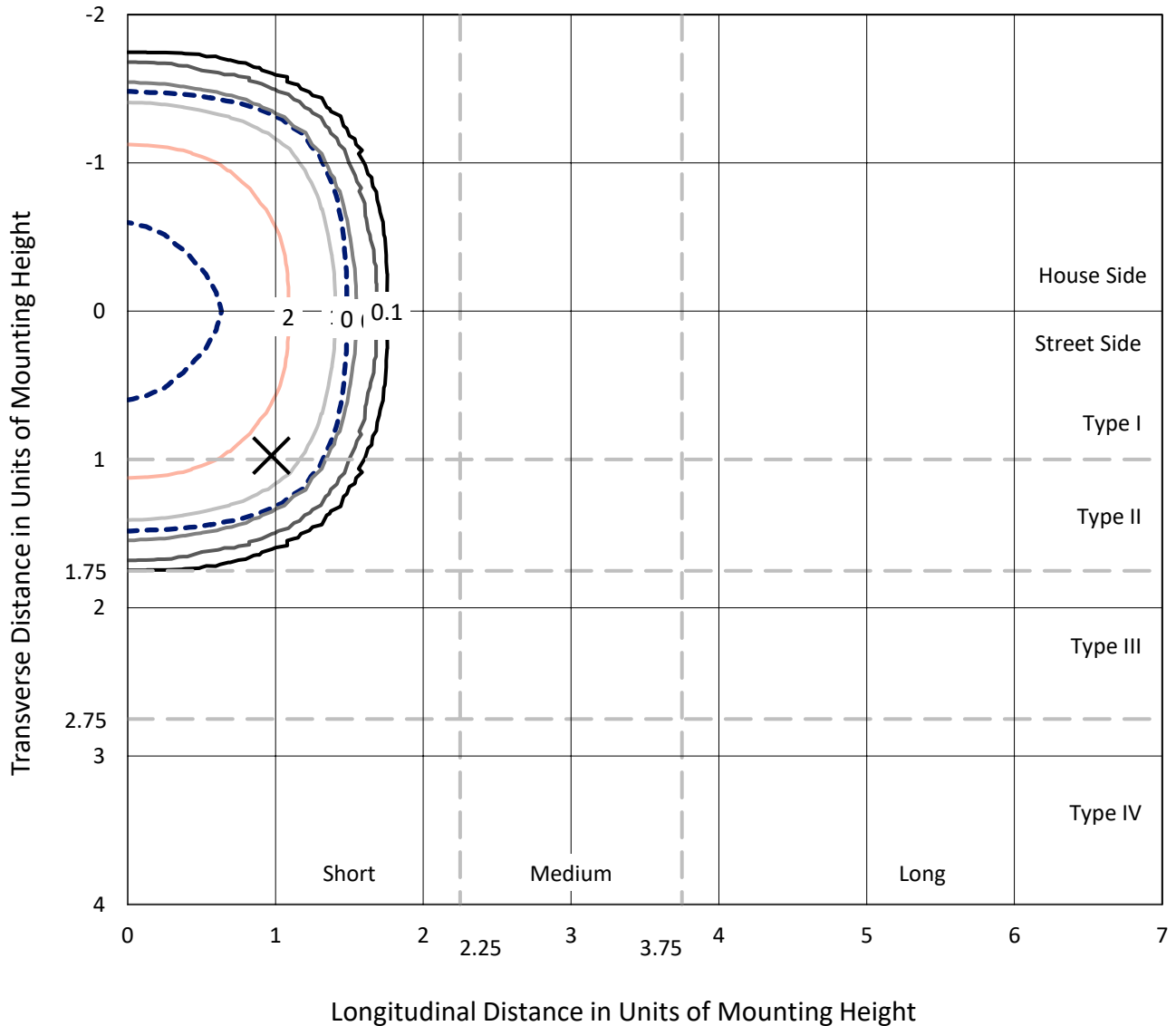
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

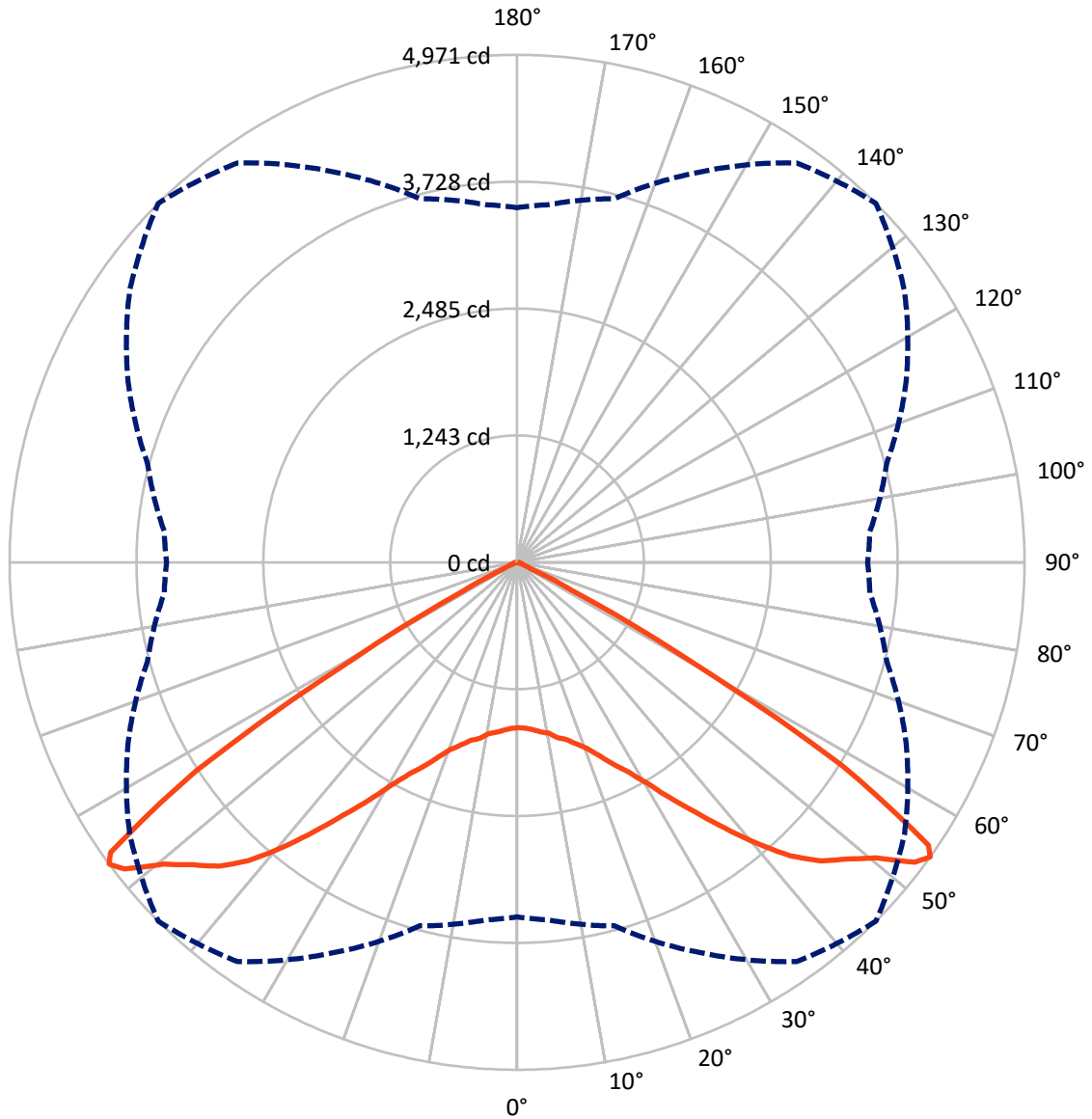
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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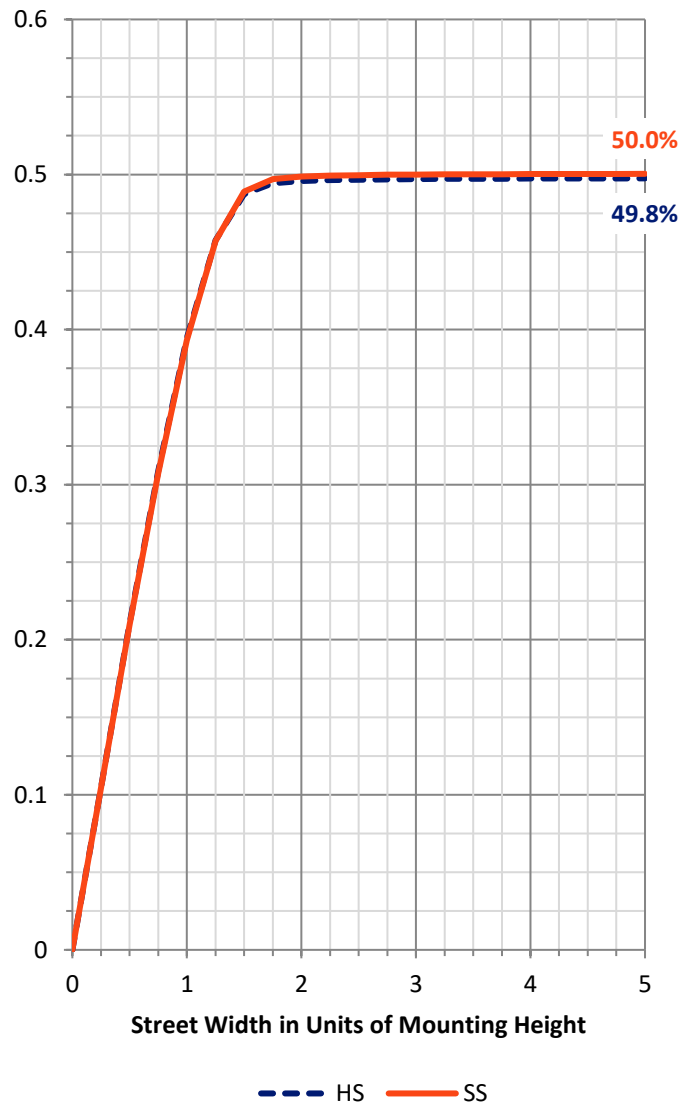
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4938.0	0.0	4938.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4938.0	0.0	4938.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9876.0	0.0	9876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	1.6
10°-20°	513.3	5.2
20°-30°	1006.0	10.2
30°-40°	1809.0	18.3
40°-50°	3096.6	31.4
50°-60°	2996.3	30.3
60°-70°	256.5	2.6
70°-80°	30.4	0.3
80°-90°	9.5	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°	9876.0	100.0
0°-180°	9876.0	100.0

Coefficient of Utilization

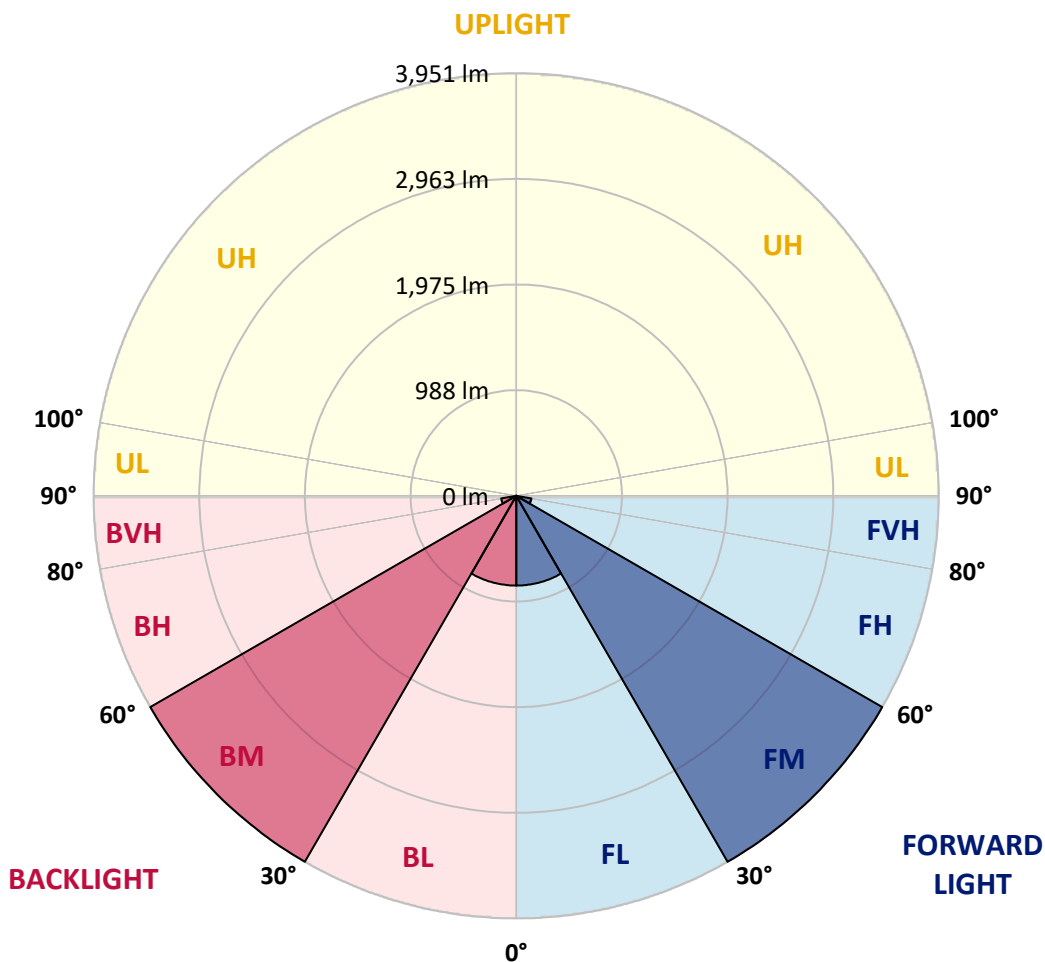


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	838.9	8.5			
FM (30°-60°)	3950.9	40.0			
FH (60°-80°)	143.4	1.5			G0/660
FVH (80°-90°)	4.8	0.0			G0/10
BL (0°-30°)	838.9	8.5	B2/1000		
BM (30°-60°)	3950.9	40.0	B3/5000		
BH (60°-80°)	143.4	1.5	B1/500		G0/660
BVH (80°-90°)	4.8	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4	1619.4
2.5°	1627.2	1636.6	1630.3	1635.0	1635.0	1627.2	1631.9	1613.1	1625.6	1616.2	1617.8
5°	1652.2	1650.6	1650.6	1652.2	1646.0	1649.1	1642.8	1636.6	1631.9	1625.6	1644.4
7.5°	1683.5	1683.5	1672.6	1675.7	1672.6	1677.2	1664.7	1652.2	1647.5	1642.8	1639.7
10°	1713.2	1710.1	1705.4	1719.5	1708.5	1702.3	1696.0	1688.2	1671.0	1664.7	1658.5
12.5°	1757.0	1755.5	1749.2	1763.3	1757.0	1763.3	1739.8	1719.5	1716.4	1696.0	1707.0
15°	1808.7	1822.8	1811.8	1811.8	1808.7	1800.8	1791.5	1782.1	1753.9	1746.1	1747.7
17.5°	1875.9	1871.3	1872.8	1872.8	1888.5	1868.1	1849.4	1825.9	1811.8	1807.1	1791.5
20°	1940.1	1946.4	1944.8	1955.7	1965.1	1943.2	1922.9	1919.8	1880.6	1886.9	1865.0
22.5°	2052.7	2048.1	2055.9	2063.7	2057.4	2054.3	2035.5	2012.1	1977.6	1962.0	1958.9
25°	2171.7	2163.8	2149.8	2168.5	2177.9	2192.0	2156.0	2143.5	2090.3	2066.8	2068.4
27.5°	2273.4	2284.3	2300.0	2307.8	2331.2	2326.6	2301.5	2260.8	2220.2	2193.6	2176.4
30°	2412.6	2418.9	2445.5	2456.4	2497.1	2508.0	2468.9	2422.0	2350.0	2315.6	2295.3
32.5°	2540.9	2584.7	2583.1	2637.9	2703.6	2749.0	2678.6	2606.6	2534.6	2494.0	2458.0
35°	2749.0	2741.2	2786.5	2844.4	2950.8	3002.5	2925.8	2842.9	2733.3	2667.6	2639.5
37.5°	2943.0	2946.1	3007.2	3099.5	3221.5	3301.3	3234.0	3097.9	2985.2	2900.8	2861.6
40°	3224.6	3230.9	3293.5	3398.3	3536.0	3622.0	3543.8	3406.1	3255.9	3190.2	3190.2
42.5°	3554.8	3581.4	3622.0	3712.8	3836.4	3931.8	3861.4	3753.5	3601.7	3517.2	3529.7
45°	3894.3	3906.8	3933.4	4067.9	4125.8	4172.8	4107.1	4057.0	3955.3	3852.0	3834.8
47.5°	4211.9	4216.6	4294.8	4337.1	4382.4	4343.3	4385.6	4319.8	4205.6	4105.5	4085.2
50°	4352.7	4344.9	4456.0	4584.3	4618.7	4549.8	4513.9	4470.0	4296.4	4175.9	4122.7
52.5°	3942.8	3988.2	4194.7	4551.4	4820.5	4878.4	4668.8	4466.9	4143.0	3908.4	3872.4
54°	3473.4	3515.6	3686.2	4215.0	4775.1	4970.7	4632.8	4204.1	3747.2	3468.7	3432.7
55°	3008.7	2961.8	3271.6	3811.4	4562.4	4889.4	4490.4	3864.6	3342.0	3086.9	3036.9
57.5°	1628.7	1636.6	1897.9	2407.9	3205.9	3748.8	3310.7	2614.4	1974.5	1688.2	1663.2
60°	516.3	528.8	643.0	973.2	1531.7	1829.0	1567.7	1049.8	726.0	582.0	558.6
62.5°	161.2	167.4	183.1	272.2	419.3	599.2	469.4	281.6	209.7	192.4	195.6
65°	98.6	98.6	100.1	106.4	125.2	145.5	140.8	123.6	118.9	115.8	114.2
67.5°	64.1	62.6	65.7	70.4	73.5	75.1	79.8	84.5	82.9	79.8	79.8
70°	39.1	37.6	40.7	46.9	48.5	51.6	56.3	62.6	61.0	57.9	59.5
72.5°	21.9	21.9	23.5	28.2	32.9	36.0	40.7	45.4	46.9	45.4	45.4
75°	7.8	9.4	12.5	17.2	20.3	25.0	29.7	34.4	39.1	36.0	34.4
77.5°	3.1	3.1	6.3	11.0	15.6	20.3	28.2	32.9	36.0	32.9	29.7
80°	1.6	1.6	4.7	9.4	14.1	18.8	23.5	28.2	29.7	26.6	23.5
82.5°	1.6	1.6	4.7	9.4	14.1	17.2	25.0	28.2	31.3	28.2	23.5
85°	0.0	1.6	4.7	9.4	12.5	14.1	14.1	9.4	7.8	4.7	4.7
87.5°	0.0	0.0	1.6	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)