

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: P317096

Luminaire Tested: **GAN-SA2D-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2D-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14778 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 129
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

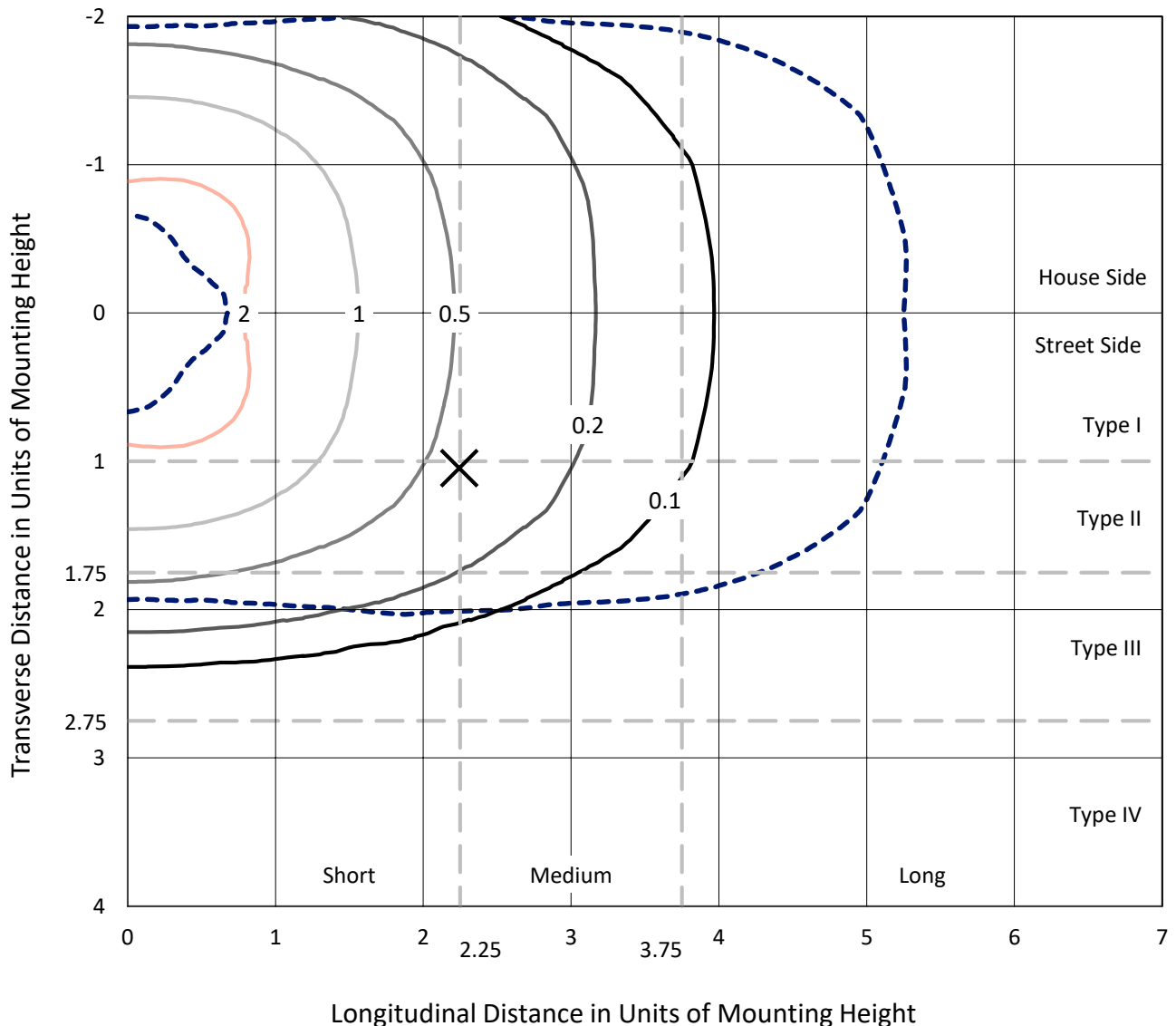




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Iso-Footcandle Lines of Horizontal Illumination

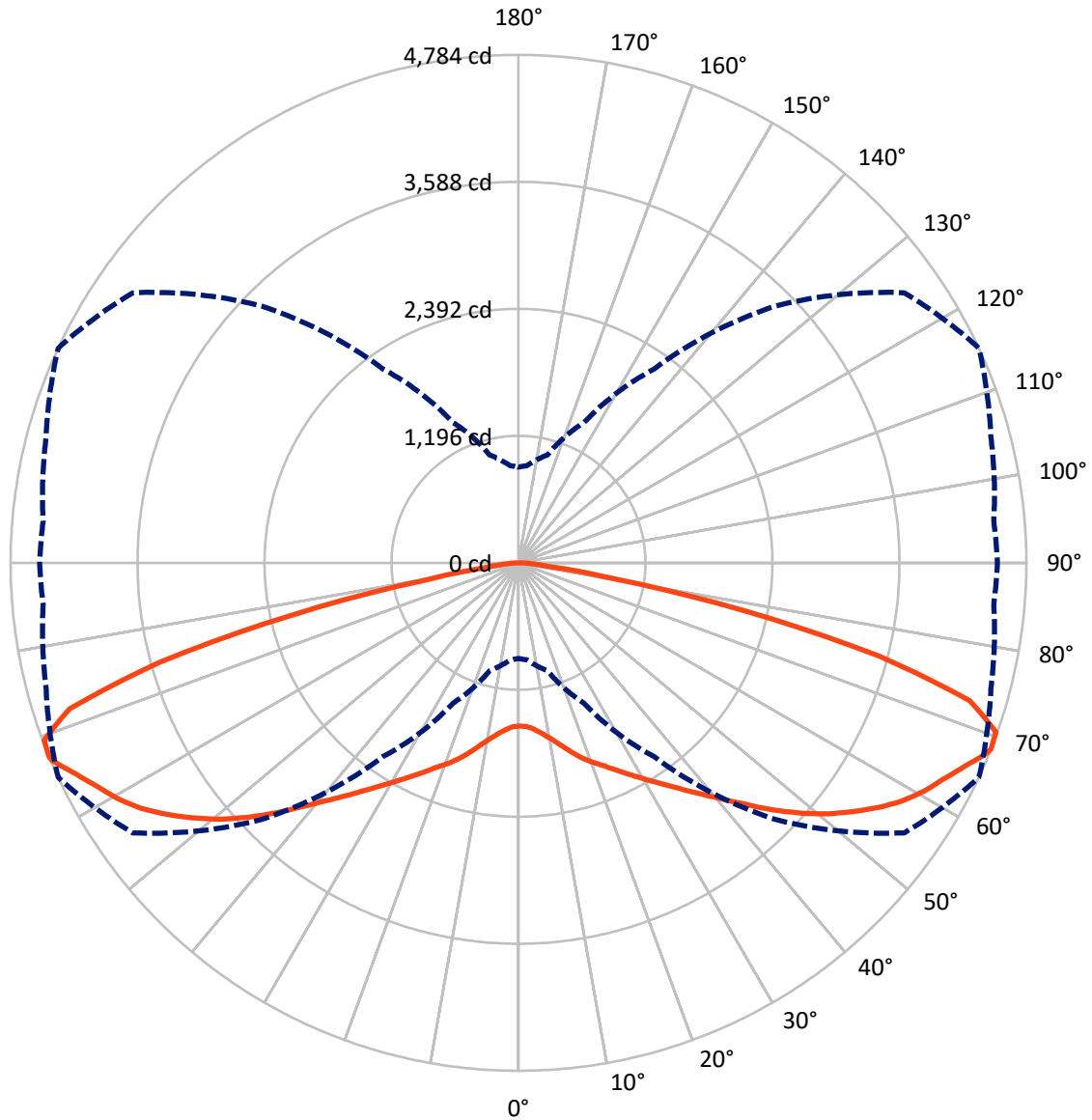
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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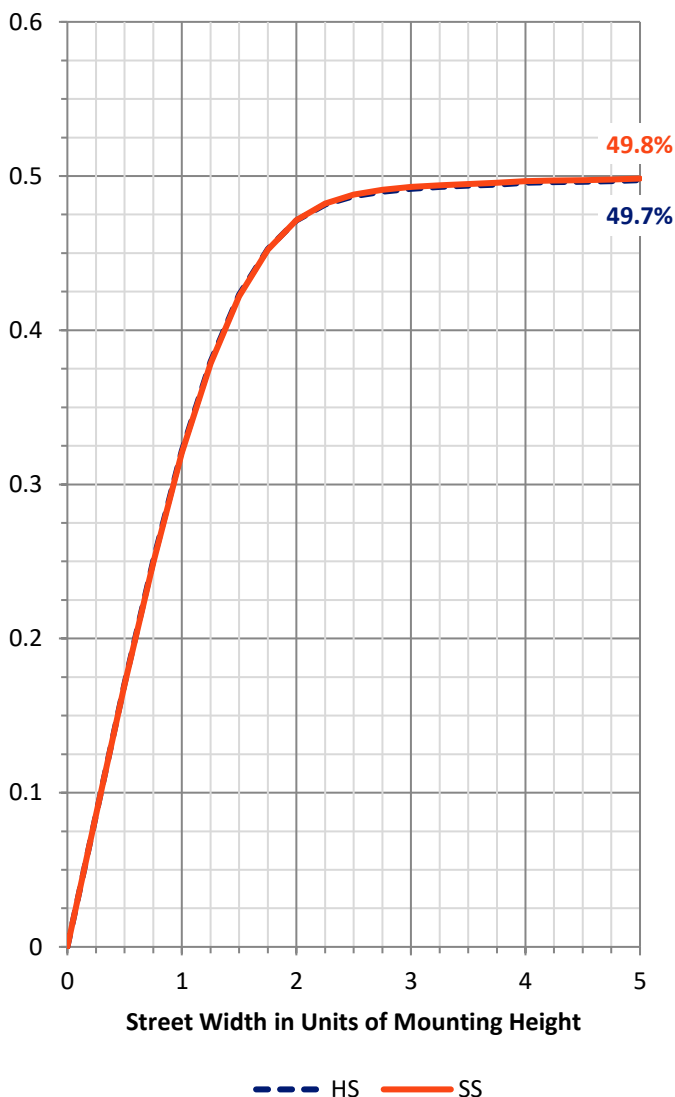
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7389.0	0.0	7389.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7389.0	0.0	7389.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14778.0	0.0	14778.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	1.0
10°-20°	503.7	3.4
20°-30°	982.2	6.6
30°-40°	1650.0	11.2
40°-50°	2599.7	17.6
50°-60°	3476.7	23.5
60°-70°	3379.8	22.9
70°-80°	1847.6	12.5
80°-90°	187.9	1.3
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°	14778.0	100.0
0°-180°	14778.0	100.0

Coefficient of Utilization

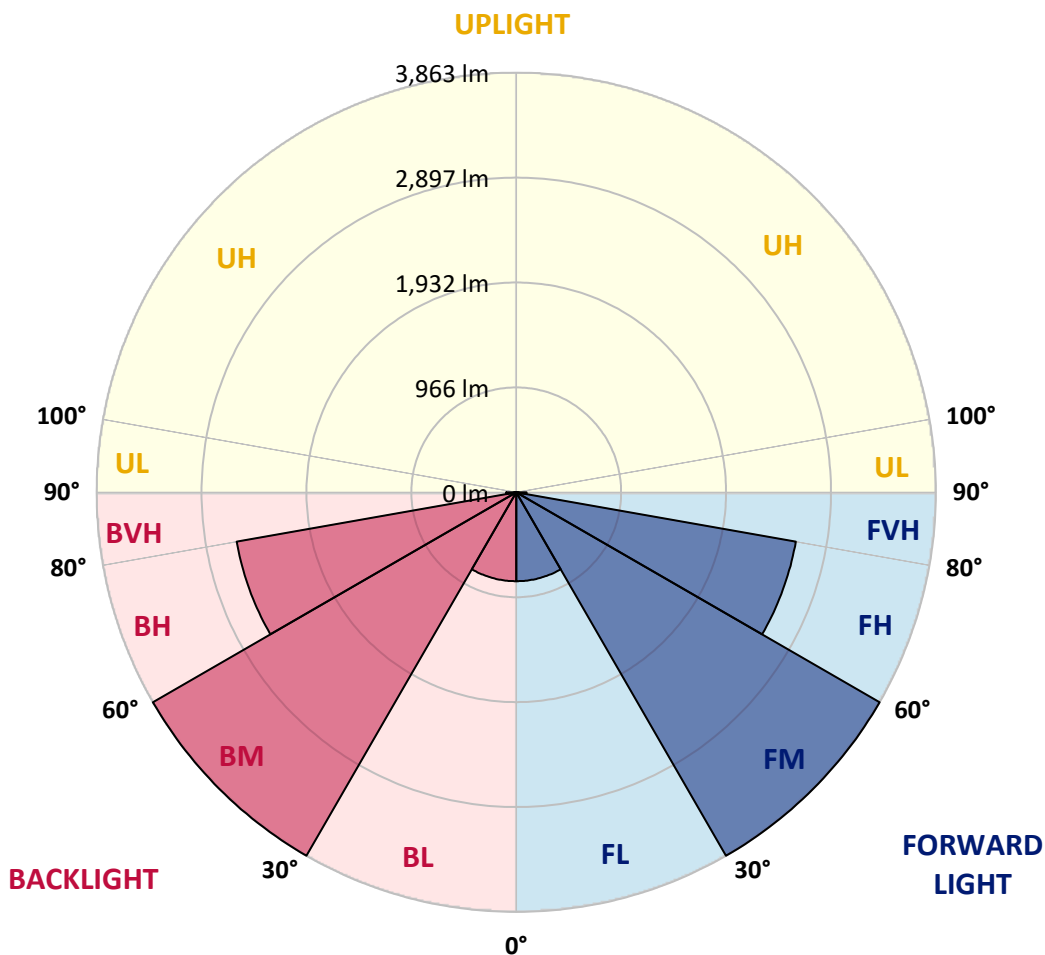


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	818.2	5.5			
FM (30°-60°)	3863.2	26.1			
FH (60°-80°)	2613.7	17.7			G2/5000
FVH (80°-90°)	93.9	0.6			G1/100
BL (0°-30°)	818.2	5.5	B2/1000		
BM (30°-60°)	3863.2	26.1	B3/5000		
BH (60°-80°)	2613.7	17.7	B4/5000		G4/5000
BVH (80°-90°)	93.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6	1536.6
2.5°	1525.7	1526.2	1528.6	1531.6	1534.1	1540.5	1542.0	1544.5	1545.5	1548.0	1548.0
5°	1512.3	1513.3	1519.2	1527.1	1536.1	1551.9	1563.3	1576.2	1582.6	1589.6	1589.1
7.5°	1510.8	1513.3	1521.7	1534.6	1549.4	1575.7	1599.5	1625.3	1642.6	1658.5	1657.5
10°	1526.2	1530.1	1542.0	1561.3	1583.6	1616.3	1651.5	1686.2	1716.4	1740.7	1741.7
12.5°	1549.4	1554.4	1573.2	1602.5	1636.2	1678.3	1719.9	1759.0	1800.7	1836.8	1839.8
15°	1580.2	1586.6	1614.9	1658.5	1710.0	1760.0	1804.6	1844.8	1892.8	1942.9	1947.8
17.5°	1625.8	1634.7	1671.8	1730.8	1798.7	1853.7	1900.3	1930.5	1970.6	2022.2	2031.6
20°	1695.1	1706.5	1753.6	1824.0	1906.7	1964.2	1999.9	2006.3	2026.1	2072.2	2083.1
22.5°	1785.3	1795.2	1847.7	1931.5	2024.1	2086.6	2105.4	2079.6	2077.7	2114.8	2125.2
25°	1885.9	1894.8	1955.8	2049.9	2149.5	2218.4	2217.9	2167.8	2133.2	2161.9	2172.8
27.5°	1998.9	2012.7	2071.2	2170.3	2276.9	2344.7	2340.8	2263.5	2197.6	2205.0	2214.4
30°	2128.7	2144.1	2201.0	2301.6	2408.2	2474.6	2469.6	2367.5	2268.4	2248.6	2255.5
32.5°	2289.7	2308.1	2362.1	2461.2	2555.3	2615.3	2600.9	2480.5	2353.7	2310.5	2317.0
35°	2483.5	2494.4	2551.4	2649.0	2725.3	2766.4	2736.2	2611.3	2461.7	2409.6	2409.6
37.5°	2679.7	2688.1	2752.0	2846.7	2920.5	2942.3	2883.3	2754.5	2602.9	2529.1	2530.5
40°	2868.0	2890.8	2962.6	3059.7	3132.6	3138.5	3060.2	2918.0	2760.0	2683.7	2692.6
42.5°	3064.7	3087.0	3172.7	3282.7	3347.1	3357.1	3265.4	3101.4	2937.4	2875.4	2885.3
45°	3240.1	3258.0	3357.1	3484.9	3565.2	3590.9	3482.4	3311.5	3129.1	3068.7	3071.1
47.5°	3362.5	3385.8	3494.8	3645.4	3762.4	3802.0	3695.5	3516.1	3317.9	3244.6	3251.0
50°	3473.5	3485.9	3596.4	3760.9	3909.5	3991.3	3900.1	3718.3	3508.7	3430.9	3437.8
52.5°	3535.4	3551.3	3658.3	3829.8	4005.7	4137.5	4082.0	3900.1	3693.0	3617.2	3625.6
55°	3492.3	3504.2	3632.6	3845.1	4065.1	4227.7	4236.1	4078.0	3873.9	3807.5	3831.3
57.5°	3296.1	3311.0	3467.6	3746.0	4072.6	4288.6	4352.0	4243.0	4042.8	3988.8	4002.7
60°	2989.4	2998.8	3165.8	3478.9	3927.9	4313.9	4425.9	4377.8	4208.3	4154.3	4173.2
62.5°	2442.8	2456.7	2656.4	3076.1	3622.1	4239.1	4497.2	4489.3	4362.4	4312.9	4329.7
65°	1669.9	1694.1	1915.1	2445.8	3150.9	4010.1	4562.1	4619.1	4498.7	4436.3	4458.6
67.5°	1008.4	1026.2	1186.2	1614.9	2411.1	3548.3	4495.2	4766.8	4594.8	4494.2	4512.6
68°	901.3	917.7	1051.5	1457.3	2230.3	3418.0	4434.3	4783.6	4605.2	4493.2	4509.6
70°	544.6	555.5	645.1	900.8	1487.0	2711.4	4018.6	4769.7	4671.6	4507.1	4516.5
72.5°	354.8	358.3	373.1	462.3	759.6	1516.2	3016.1	4444.7	4771.2	4587.9	4586.4
75°	294.8	292.8	294.3	304.7	374.6	665.0	1762.5	3511.2	4548.3	4460.5	4429.3
77.5°	249.2	247.8	247.3	247.8	250.7	321.1	765.1	2187.2	3480.4	3945.7	3973.5
80°	201.7	199.7	206.1	203.2	194.2	199.7	320.6	909.7	1640.6	1765.0	1654.0
82.5°	146.7	139.2	167.0	159.1	151.6	140.7	176.9	293.8	391.4	268.6	188.8
85°	113.0	105.0	126.8	121.9	104.1	71.8	105.0	143.7	158.6	90.7	71.4
87.5°	46.1	48.6	91.7	72.3	60.9	34.7	43.1	57.5	77.3	38.6	29.7
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)