

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: P317077

Luminaire Tested: **GAN-SA3B-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317077
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-SA3B-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16242 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

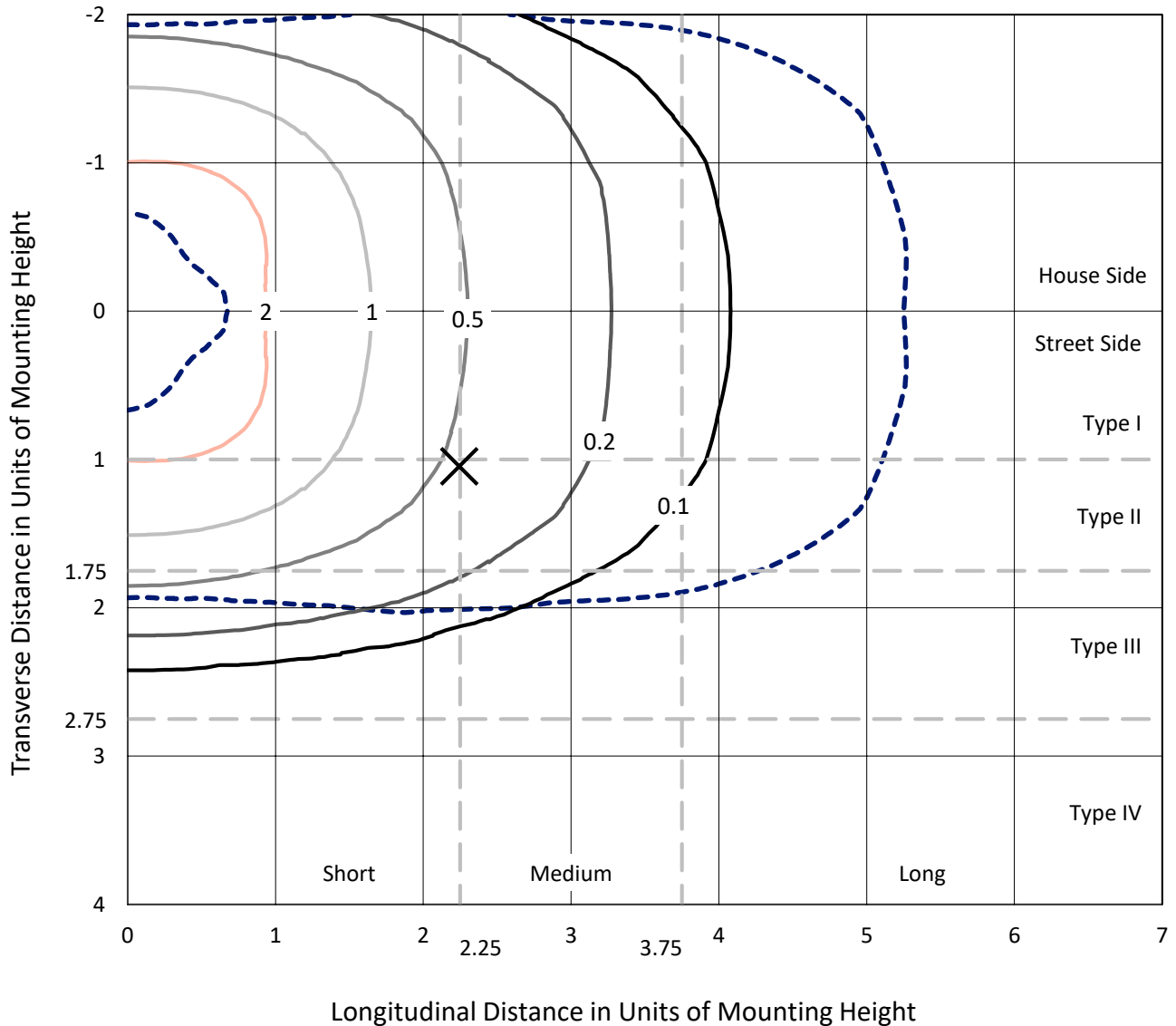
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

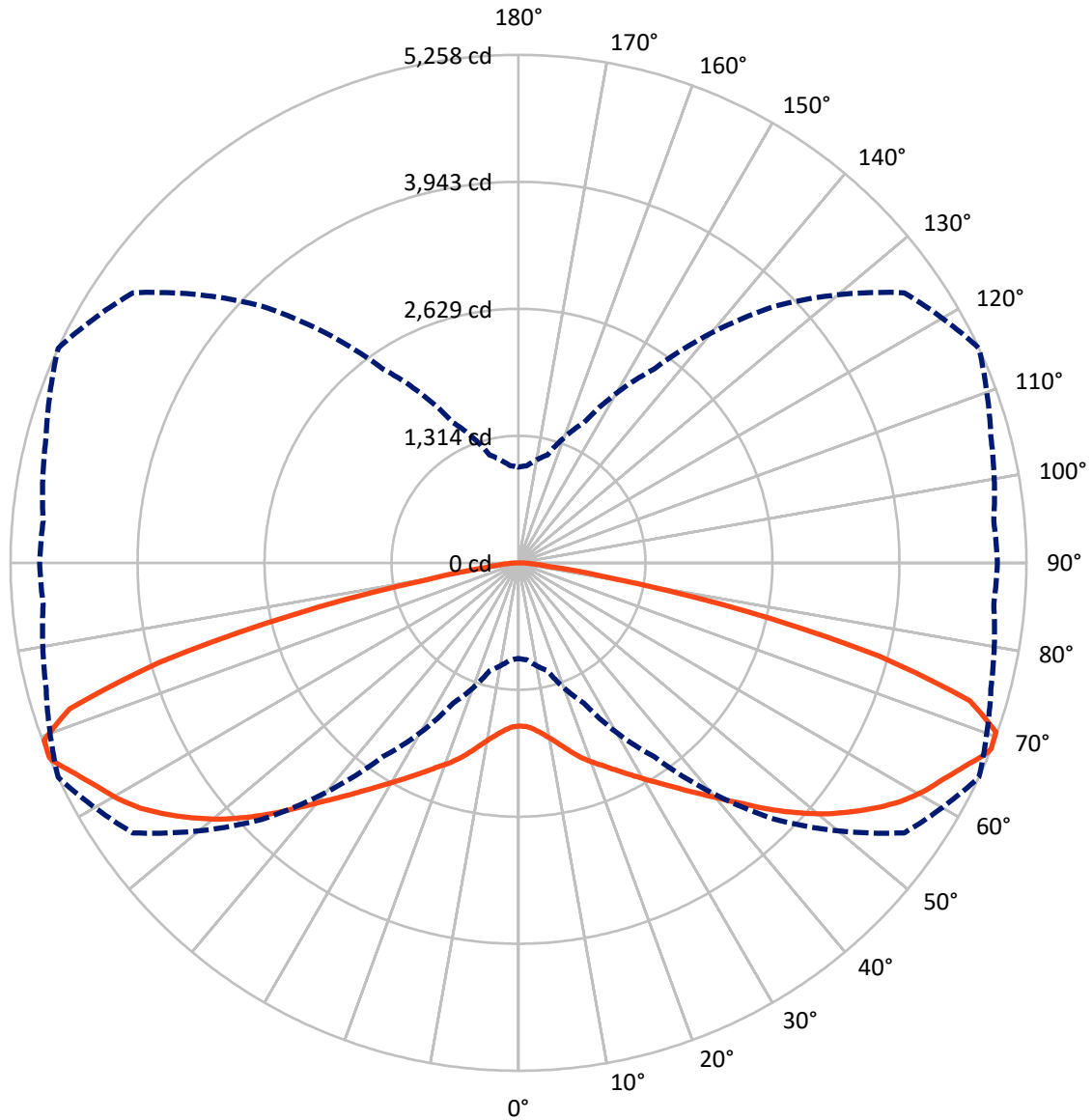
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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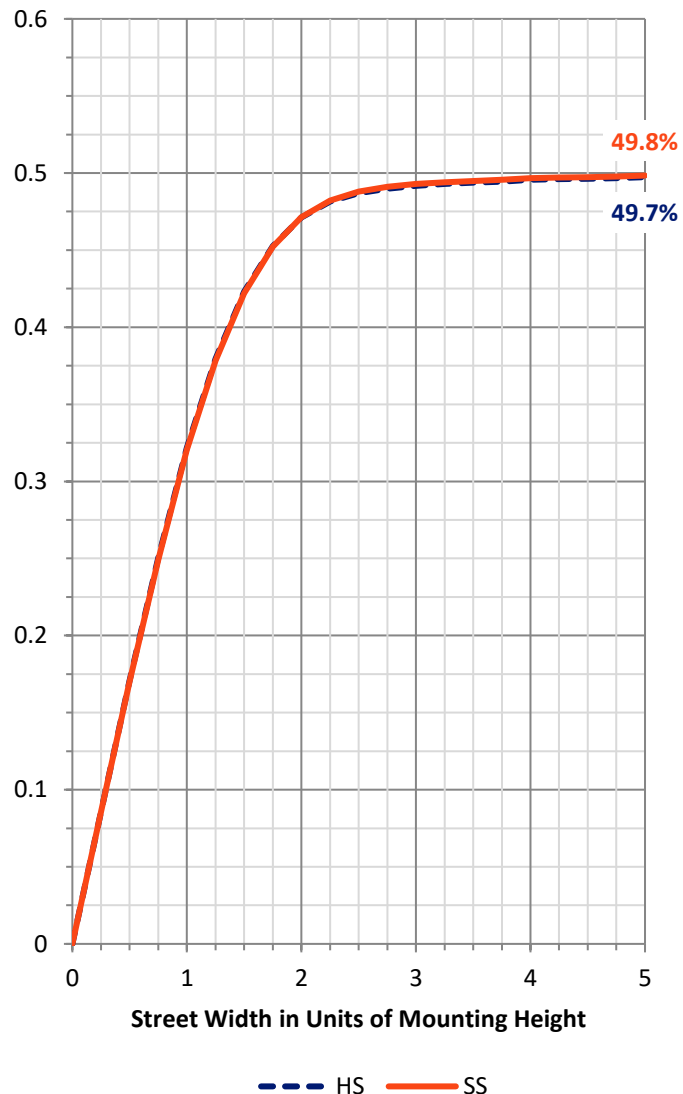
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8121.0	0.0	8121.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8121.0	0.0	8121.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16242.0	0.0	16242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.3	1.0
10°-20°	553.6	3.4
20°-30°	1079.5	6.6
30°-40°	1813.4	11.2
40°-50°	2857.3	17.6
50°-60°	3821.1	23.5
60°-70°	3714.6	22.9
70°-80°	2030.6	12.5
80°-90°	206.5	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°	16242.0	100.0
0°-180°	16242.0	100.0

Coefficient of Utilization

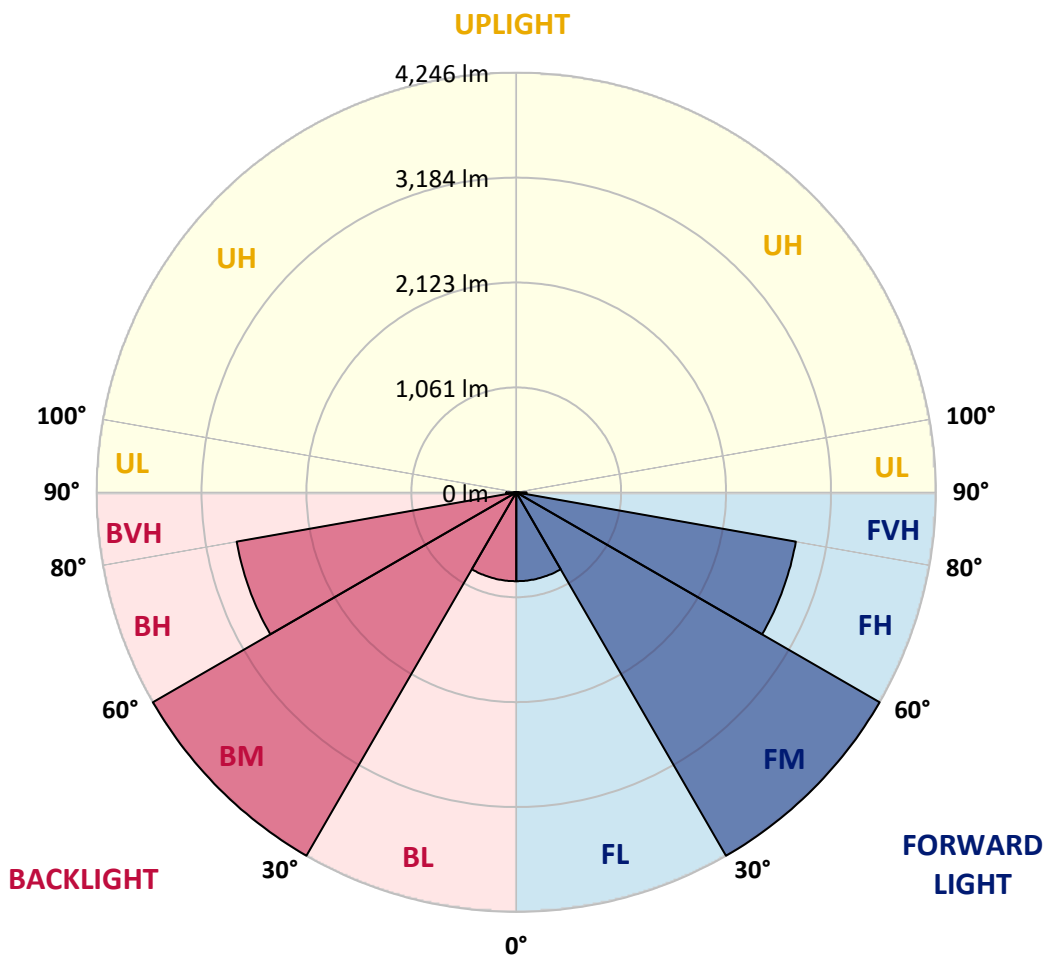


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	899.2	5.5			
FM (30°-60°)	4245.9	26.1			
FH (60°-80°)	2872.6	17.7			G2/5000
FVH (80°-90°)	103.3	0.6			G2/225
BL (0°-30°)	899.2	5.5	B2/1000		
BM (30°-60°)	4245.9	26.1	B3/5000		
BH (60°-80°)	2872.6	17.7	B4/5000		G4/5000
BVH (80°-90°)	103.3	0.6			G2/225
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°	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8	1688.8
2.5°	1676.8	1677.3	1680.1	1683.3	1686.1	1693.1	1694.8	1697.5	1698.6	1701.3	1701.3
5°	1662.1	1663.2	1669.7	1678.4	1688.2	1705.7	1718.2	1732.4	1739.4	1747.1	1746.5
7.5°	1660.5	1663.2	1672.4	1686.6	1702.9	1731.8	1757.9	1786.3	1805.3	1822.8	1821.7
10°	1677.3	1681.7	1694.8	1716.0	1740.5	1776.5	1815.1	1853.3	1886.5	1913.2	1914.2
12.5°	1702.9	1708.4	1729.1	1761.2	1798.2	1844.5	1890.3	1933.3	1979.1	2018.8	2022.1
15°	1736.7	1743.8	1774.8	1822.8	1879.4	1934.4	1983.4	2027.5	2080.3	2135.4	2140.8
17.5°	1786.8	1796.6	1837.5	1902.3	1976.9	2037.3	2088.5	2121.7	2165.9	2222.5	2232.8
20°	1863.1	1875.6	1927.3	2004.7	2095.6	2158.8	2198.0	2205.1	2226.8	2277.5	2289.5
22.5°	1962.2	1973.1	2030.8	2122.8	2224.7	2293.3	2314.0	2285.7	2283.5	2324.3	2335.8
25°	2072.7	2082.5	2149.5	2253.0	2362.4	2438.1	2437.6	2382.6	2344.5	2376.1	2388.0
27.5°	2196.9	2212.1	2276.4	2385.3	2502.4	2577.0	2572.7	2487.7	2415.3	2423.4	2433.8
30°	2339.6	2356.5	2419.1	2529.6	2646.7	2719.7	2714.3	2602.1	2493.2	2471.4	2479.0
32.5°	2516.6	2536.7	2596.1	2705.0	2808.5	2874.4	2858.6	2726.2	2586.8	2539.4	2546.5
35°	2729.5	2741.5	2804.1	2911.4	2995.3	3040.5	3007.2	2870.0	2705.5	2648.4	2648.4
37.5°	2945.2	2954.4	3024.7	3128.7	3209.8	3233.8	3169.0	3027.4	2860.8	2779.6	2781.2
40°	3152.1	3177.2	3256.1	3362.9	3442.9	3449.5	3363.4	3207.1	3033.4	2949.5	2959.3
42.5°	3368.3	3392.8	3487.0	3607.9	3678.7	3689.6	3588.9	3408.6	3228.4	3160.3	3171.2
45°	3561.1	3580.7	3689.6	3830.1	3918.4	3946.7	3827.4	3639.5	3439.1	3372.7	3375.4
47.5°	3695.6	3721.2	3841.0	4006.6	4135.1	4178.7	4061.6	3864.4	3646.6	3566.0	3573.1
50°	3817.6	3831.2	3952.7	4133.5	4296.8	4386.7	4286.5	4086.6	3856.3	3770.8	3778.4
52.5°	3885.7	3903.1	4020.7	4209.2	4402.5	4547.4	4486.4	4286.5	4058.9	3975.5	3984.8
55°	3838.3	3851.4	3992.4	4226.0	4467.8	4646.5	4655.7	4482.0	4257.6	4184.7	4210.8
57.5°	3622.6	3639.0	3811.1	4117.1	4476.0	4713.5	4783.2	4663.4	4443.3	4384.0	4399.2
60°	3285.5	3295.9	3479.4	3823.6	4317.0	4741.2	4864.3	4811.5	4625.2	4565.9	4586.6
62.5°	2684.8	2700.1	2919.6	3380.8	3981.0	4659.0	4942.7	4934.0	4794.6	4740.1	4758.7
65°	1835.3	1862.0	2104.9	2688.1	3463.1	4407.4	5014.1	5076.7	4944.4	4875.7	4900.3
67.5°	1108.2	1127.9	1303.8	1774.8	2650.0	3899.8	4940.6	5239.0	5050.0	4939.5	4959.6
68°	990.6	1008.6	1155.6	1601.7	2451.2	3756.6	4873.6	5257.5	5061.5	4938.4	4956.3
70°	598.5	610.5	709.1	990.1	1634.3	2980.0	4416.7	5242.3	5134.4	4953.6	4964.0
72.5°	389.9	393.7	410.1	508.1	834.9	1666.5	3314.9	4885.0	5243.9	5042.4	5040.8
75°	324.0	321.9	323.5	334.9	411.7	730.8	1937.1	3859.0	4998.8	4902.4	4868.1
77.5°	273.9	272.3	271.8	272.3	275.6	352.9	840.9	2403.8	3825.2	4336.6	4367.1
80°	221.6	219.5	226.6	223.3	213.5	219.5	352.4	999.9	1803.2	1939.8	1817.9
82.5°	161.2	153.0	183.5	174.8	166.6	154.7	194.4	322.9	430.2	295.2	207.5
85°	124.2	115.5	139.4	134.0	114.4	79.0	115.5	157.9	174.3	99.7	78.4
87.5°	50.6	53.4	100.7	79.5	67.0	38.1	47.4	63.2	85.0	42.5	32.7
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)