

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: P316757

Luminaire Tested: **GAN-SA3B-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16388 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

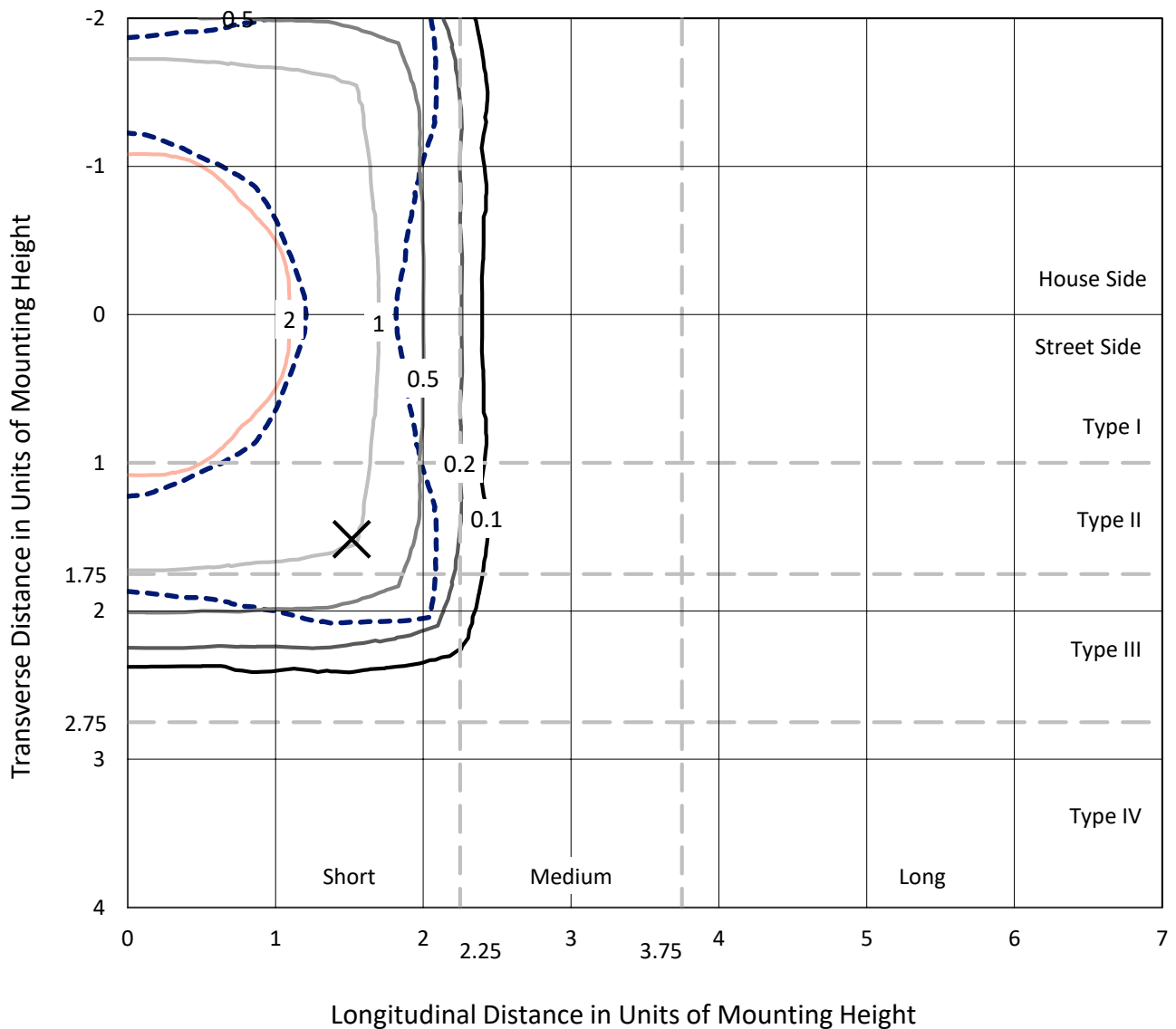
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

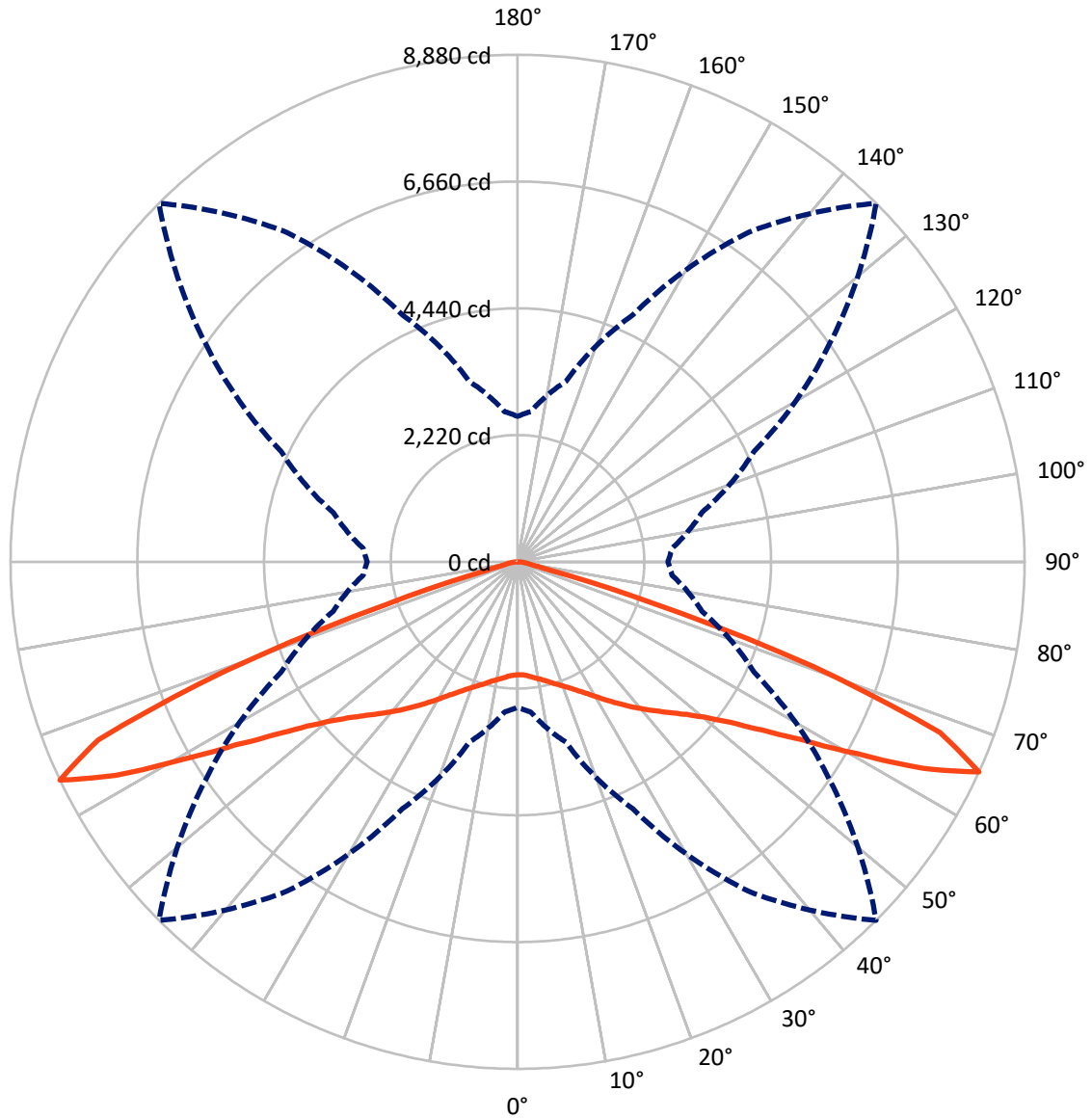
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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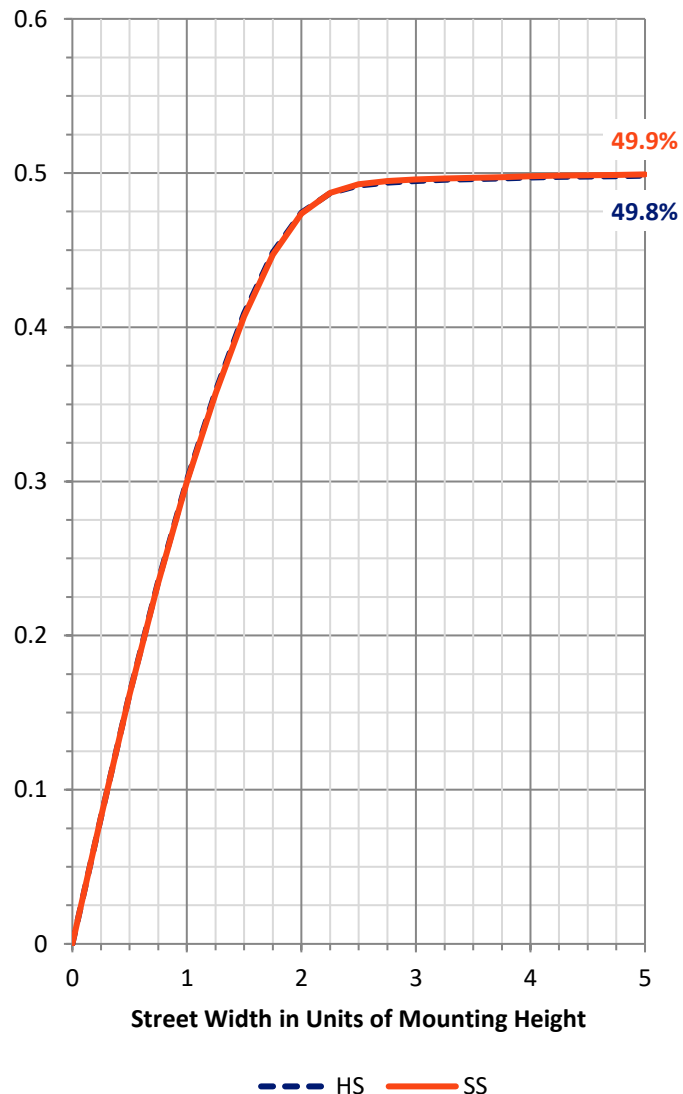
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8194.0	0.0	8194.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8194.0	0.0	8194.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	16388.0	0.0	16388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	1.2
10°-20°	624.1	3.8
20°-30°	1171.0	7.1
30°-40°	1936.5	11.8
40°-50°	2999.5	18.3
50°-60°	4600.3	28.1
60°-70°	4292.6	26.2
70°-80°	499.6	3.0
80°-90°	70.2	0.4
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°	16388.0	100.0
0°-180°	16388.0	100.0

Coefficient of Utilization



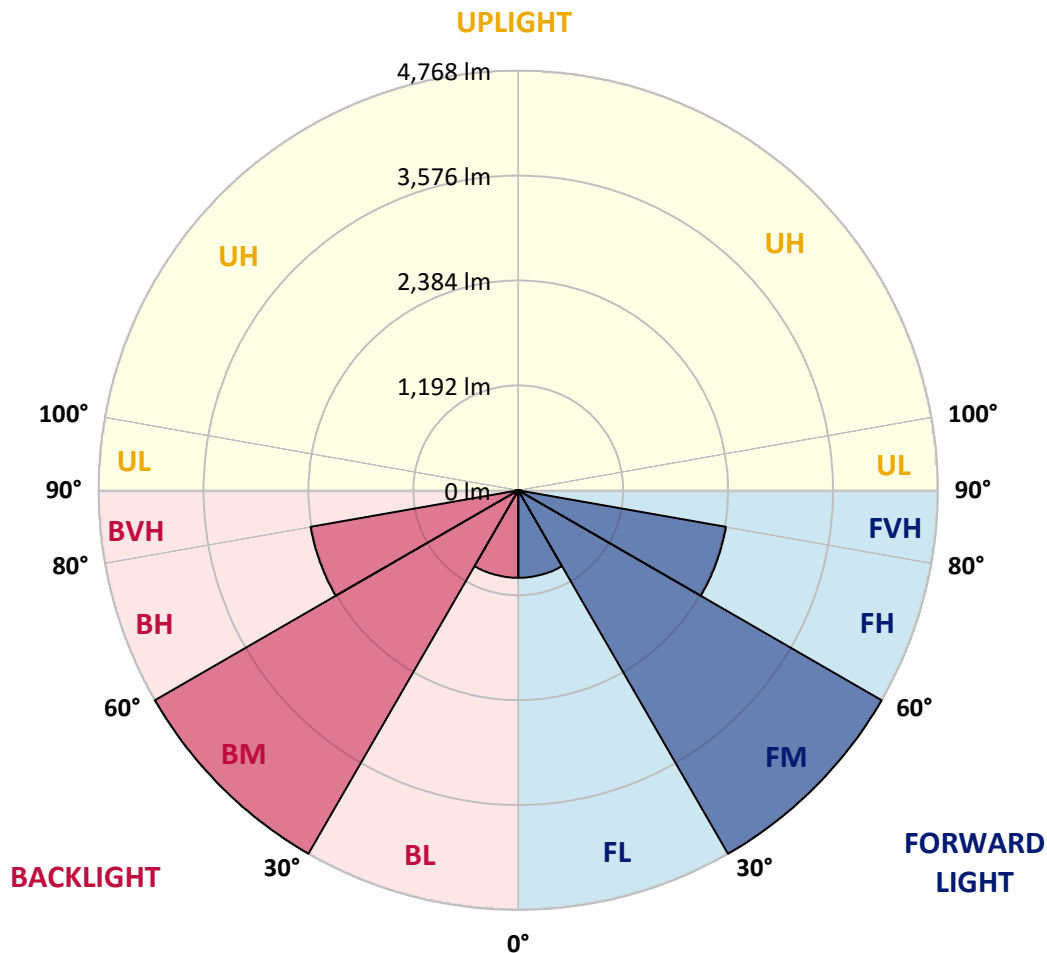
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	994.6	6.1			
FM (30°-60°)	4768.2	29.1			
FH (60°-80°)	2396.1	14.6			G2/5000
FVH (80°-90°)	35.1	0.2			G1/100
BL (0°-30°)	994.6	6.1	B2/1000		
BM (30°-60°)	4768.2	29.1	B3/5000		
BH (60°-80°)	2396.1	14.6	B3/2500		G2/5000
BVH (80°-90°)	35.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1	1979.1
2.5°	1985.6	1984.5	1985.6	1986.1	1982.9	1984.5	1984.0	1986.7	1987.8	1986.7	1986.7
5°	2008.4	2006.8	2009.0	2011.7	2007.3	2008.4	2006.8	2010.1	2011.2	2009.0	2010.6
7.5°	2040.0	2040.5	2042.7	2047.6	2044.9	2047.1	2043.8	2044.3	2043.8	2040.5	2041.1
10°	2074.3	2074.8	2078.6	2085.1	2086.2	2086.2	2084.0	2082.4	2080.2	2078.1	2078.6
12.5°	2115.6	2118.3	2121.0	2129.2	2129.2	2133.6	2132.5	2128.1	2124.3	2121.0	2121.0
15°	2171.6	2171.1	2174.4	2182.5	2186.3	2193.4	2193.4	2187.4	2182.5	2179.2	2178.2
17.5°	2230.4	2232.0	2234.2	2244.0	2250.0	2258.1	2259.2	2254.3	2251.1	2246.7	2244.0
20°	2298.9	2301.6	2310.4	2314.2	2319.6	2327.2	2329.9	2328.8	2325.6	2323.4	2324.0
22.5°	2378.9	2386.0	2391.4	2396.8	2403.4	2408.8	2411.5	2415.3	2412.1	2410.4	2409.4
25°	2475.7	2480.6	2491.5	2501.3	2505.6	2507.3	2510.5	2516.0	2515.4	2511.6	2511.6
27.5°	2585.6	2594.9	2608.5	2622.6	2622.6	2617.2	2628.0	2637.3	2634.0	2629.1	2622.6
30°	2718.9	2727.6	2743.4	2763.0	2753.2	2749.4	2764.0	2780.9	2776.0	2767.9	2766.8
32.5°	2862.5	2870.7	2891.3	2912.6	2900.0	2894.6	2910.4	2934.9	2926.2	2909.8	2900.0
35°	3018.1	3026.3	3055.6	3081.2	3060.0	3050.7	3063.8	3090.4	3075.2	3044.7	3037.1
37.5°	3187.3	3191.6	3229.7	3255.8	3241.1	3216.7	3233.0	3252.6	3239.5	3202.5	3187.8
40°	3363.0	3378.8	3422.8	3453.3	3427.7	3389.1	3416.3	3443.5	3423.9	3376.6	3351.6
42.5°	3568.1	3580.0	3638.8	3666.0	3624.6	3570.2	3607.2	3644.2	3624.6	3579.0	3557.2
45°	3781.3	3799.8	3870.0	3897.2	3837.3	3768.3	3813.4	3878.1	3876.5	3810.7	3787.8
47.5°	4013.6	4032.1	4115.9	4151.8	4087.0	3994.6	4058.2	4149.6	4143.1	4070.7	4052.2
50°	4281.8	4301.4	4405.8	4451.0	4390.6	4282.9	4378.6	4459.1	4447.2	4358.0	4359.6
52.5°	4618.5	4617.4	4747.5	4825.8	4763.8	4668.6	4756.7	4835.0	4785.5	4662.0	4658.2
55°	4913.4	4931.3	5092.3	5240.9	5237.1	5200.6	5236.0	5239.2	5097.8	4933.5	4913.4
57.5°	5107.0	5141.3	5368.2	5636.9	5838.2	5886.6	5818.0	5610.2	5278.9	5016.2	4984.1
60°	4987.9	5040.1	5396.4	5944.2	6537.2	6821.7	6434.9	5790.3	5138.0	4771.9	4728.4
62.5°	4183.9	4272.0	4793.7	5795.7	7138.9	7970.6	6882.1	5501.4	4577.7	4073.4	3998.9
65°	2548.1	2641.1	3270.0	4770.3	7041.5	8880.2	6678.1	4566.3	3341.2	2714.0	2633.5
67.5°	849.2	876.4	1246.8	2636.8	5534.1	7978.8	5543.3	2733.6	1454.1	964.0	935.7
70°	332.4	335.1	395.5	764.3	2613.4	5480.2	2883.7	777.9	413.4	326.9	334.0
72.5°	244.3	245.3	262.2	319.3	681.1	2414.3	705.6	321.0	255.1	229.0	229.0
75°	196.4	196.4	208.4	232.8	305.2	553.8	309.5	230.1	199.6	182.8	180.6
77.5°	155.0	158.3	167.6	183.3	206.7	266.6	214.3	182.2	161.0	145.2	142.0
80°	115.3	118.6	133.8	141.4	148.5	185.0	158.3	142.5	127.3	108.8	105.5
82.5°	75.6	78.9	97.9	102.3	100.6	120.8	106.6	105.0	93.6	70.2	66.9
85°	49.5	50.6	65.3	68.0	62.6	54.9	68.0	71.8	65.3	45.7	44.1
87.5°	23.4	23.4	33.2	31.0	28.3	22.8	31.0	36.4	37.0	22.3	21.8
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)