

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: P316806

Luminaire Tested: **GAN-SA2C-740-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316806
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-SA2C-740-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14928 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

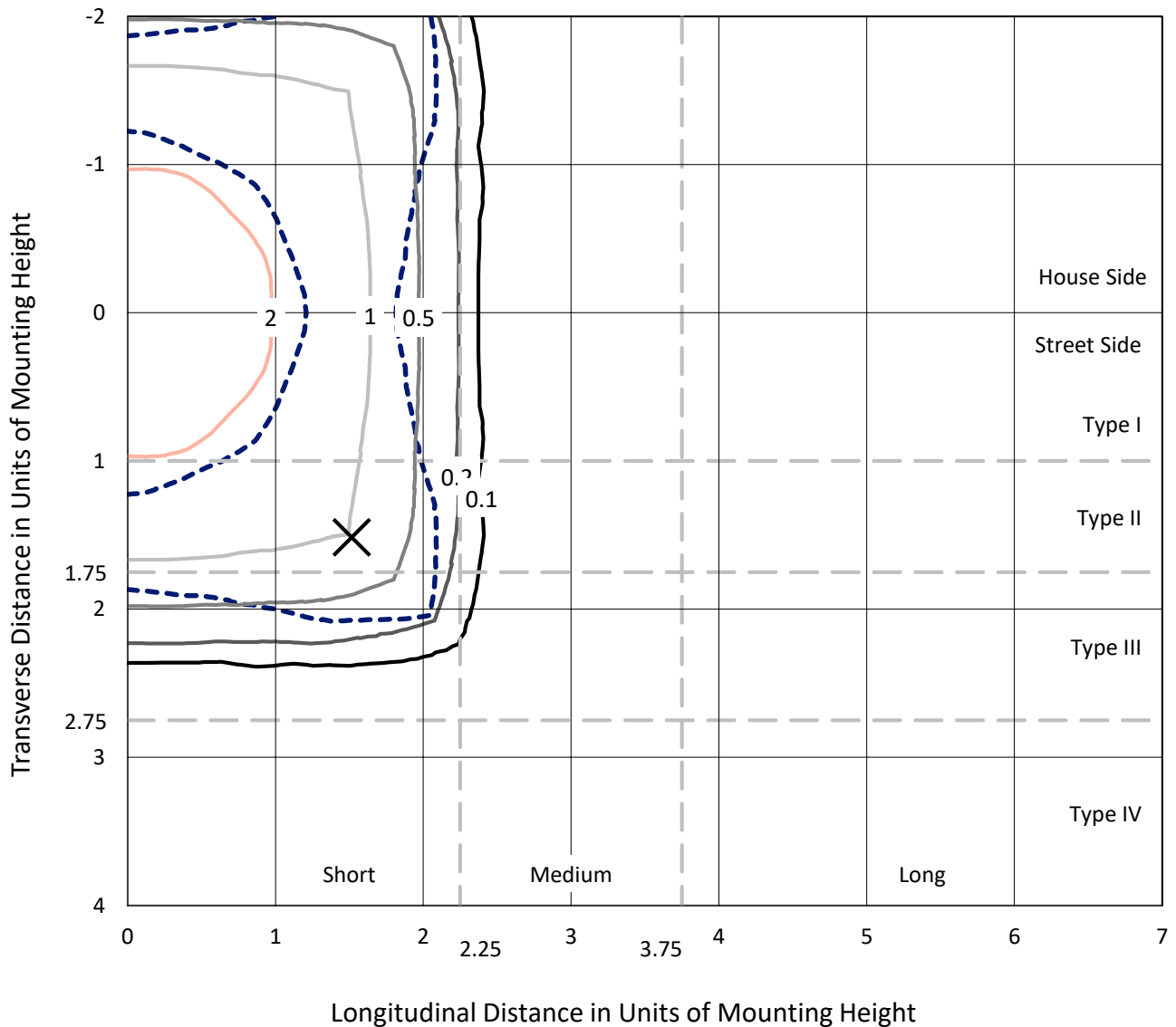
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

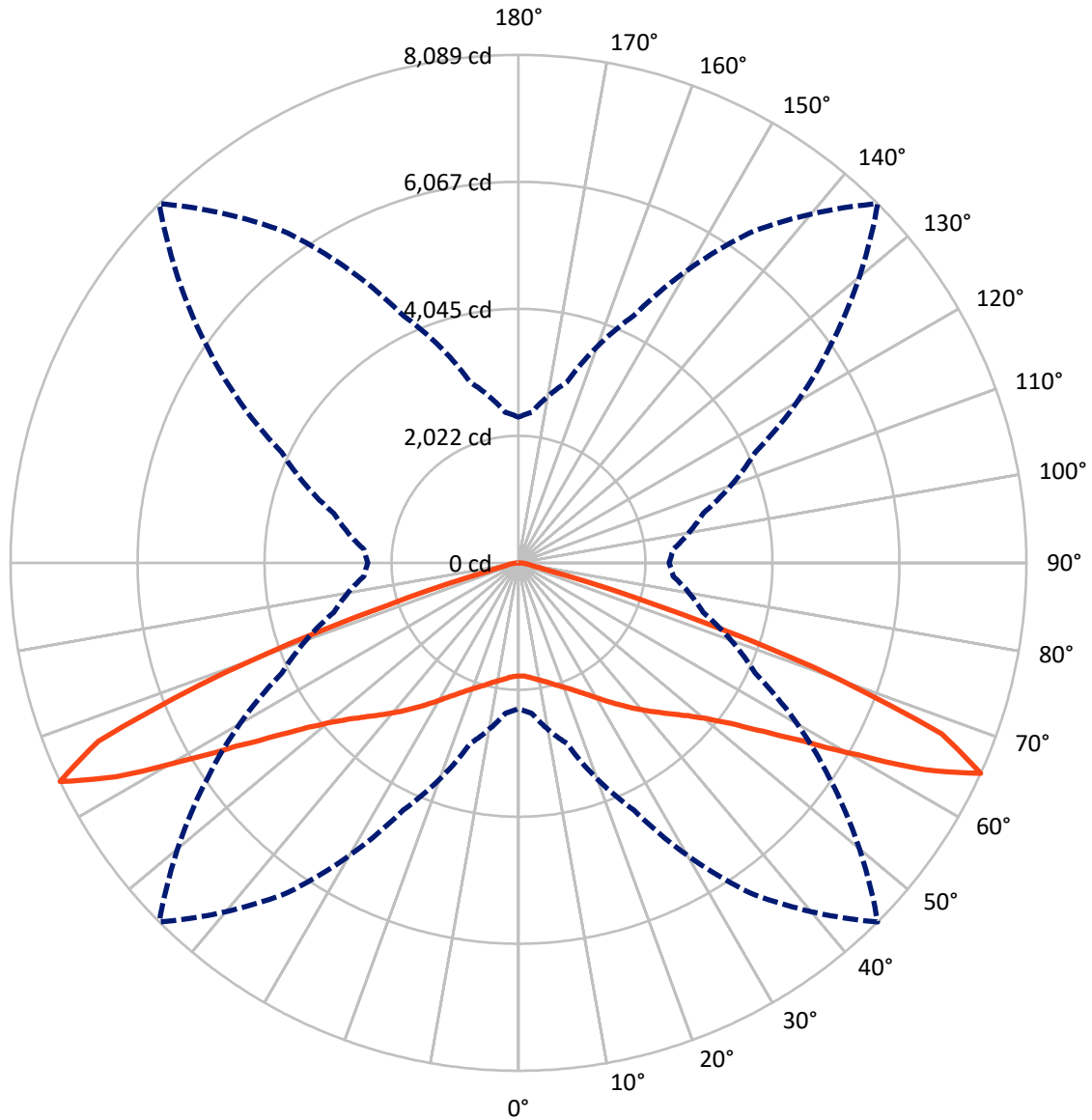
✕ Max cd
 - - - 1/2 Max cd



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 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7464.0	0.0	7464.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7464.0	0.0	7464.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14928.0	0.0	14928.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	1.2
10°-20°	568.5	3.8
20°-30°	1066.7	7.1
30°-40°	1764.0	11.8
40°-50°	2732.2	18.3
50°-60°	4190.5	28.1
60°-70°	3910.2	26.2
70°-80°	455.1	3.0
80°-90°	63.9	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°	14928.0	100.0
0°-180°	14928.0	100.0

Coefficient of Utilization



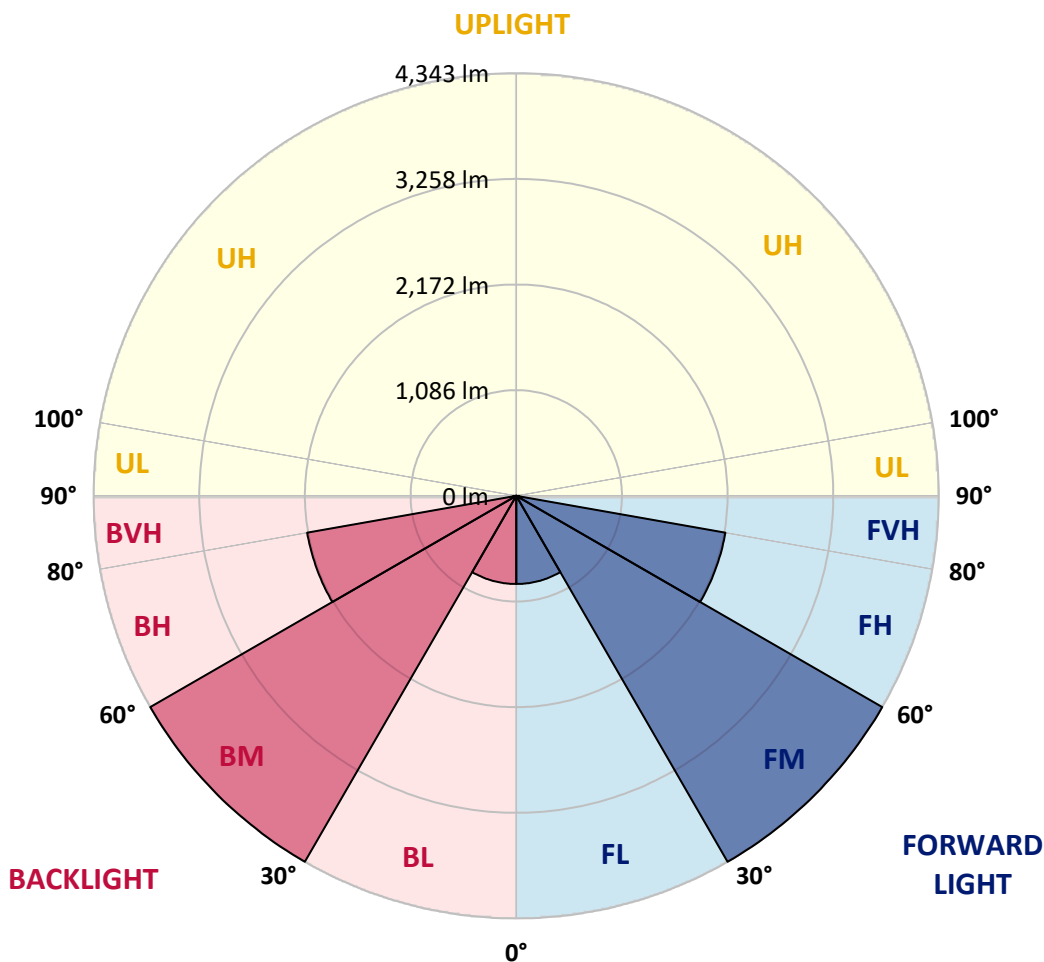
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	906.0	6.1			
FM (30°-60°)	4343.4	29.1			
FH (60°-80°)	2182.6	14.6			G2/5000
FVH (80°-90°)	32.0	0.2			G1/100
BL (0°-30°)	906.0	6.1	B2/1000		
BM (30°-60°)	4343.4	29.1	B3/5000		
BH (60°-80°)	2182.6	14.6	B3/2500		G2/5000
BVH (80°-90°)	32.0	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°	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7	1802.7
2.5°	1808.7	1807.7	1808.7	1809.2	1806.2	1807.7	1807.2	1809.7	1810.7	1809.7	1809.7
5°	1829.5	1828.0	1830.0	1832.5	1828.5	1829.5	1828.0	1831.0	1832.0	1830.0	1831.5
7.5°	1858.2	1858.7	1860.7	1865.2	1862.7	1864.7	1861.7	1862.2	1861.7	1858.7	1859.2
10°	1889.5	1890.0	1893.4	1899.4	1900.4	1900.4	1898.4	1896.9	1894.9	1892.9	1893.4
12.5°	1927.1	1929.6	1932.1	1939.5	1939.5	1943.5	1942.5	1938.5	1935.1	1932.1	1932.1
15°	1978.2	1977.7	1980.6	1988.1	1991.5	1998.0	1998.0	1992.5	1988.1	1985.1	1984.1
17.5°	2031.7	2033.2	2035.1	2044.1	2049.5	2057.0	2057.9	2053.5	2050.5	2046.5	2044.1
20°	2094.1	2096.6	2104.5	2108.0	2112.9	2119.9	2122.4	2121.4	2118.4	2116.4	2116.9
22.5°	2167.0	2173.4	2178.4	2183.3	2189.3	2194.2	2196.7	2200.2	2197.2	2195.7	2194.7
25°	2255.2	2259.6	2269.5	2278.5	2282.4	2283.9	2286.9	2291.8	2291.3	2287.9	2287.9
27.5°	2355.3	2363.7	2376.1	2389.0	2389.0	2384.0	2393.9	2402.3	2399.4	2394.9	2389.0
30°	2476.7	2484.6	2499.0	2516.8	2507.9	2504.4	2517.8	2533.2	2528.7	2521.3	2520.3
32.5°	2607.5	2614.9	2633.8	2653.1	2641.7	2636.7	2651.1	2673.4	2665.5	2650.6	2641.7
35°	2749.2	2756.6	2783.4	2806.7	2787.4	2778.9	2790.8	2815.1	2801.2	2773.5	2766.6
37.5°	2903.3	2907.3	2942.0	2965.8	2952.4	2930.1	2944.9	2962.8	2950.9	2917.2	2903.8
40°	3063.4	3077.7	3117.9	3145.6	3122.3	3087.2	3111.9	3136.7	3118.9	3075.8	3053.0
42.5°	3250.2	3261.1	3314.6	3339.4	3301.7	3252.2	3285.9	3319.6	3301.7	3260.1	3240.3
45°	3444.4	3461.3	3525.2	3550.0	3495.5	3432.5	3473.7	3532.6	3531.2	3471.2	3450.4
47.5°	3656.0	3672.9	3749.2	3781.9	3722.9	3638.7	3696.7	3779.9	3774.0	3708.1	3691.2
50°	3900.3	3918.2	4013.3	4054.4	3999.4	3901.3	3988.5	4061.9	4051.0	3969.7	3971.2
52.5°	4207.1	4206.1	4324.5	4395.9	4339.4	4252.7	4332.9	4404.3	4359.2	4246.7	4243.2
55°	4475.6	4492.0	4638.7	4774.0	4770.5	4737.3	4769.5	4772.5	4643.6	4494.0	4475.6
57.5°	4652.1	4683.3	4889.9	5134.7	5318.0	5362.2	5299.7	5110.4	4808.6	4569.3	4540.1
60°	4543.5	4591.1	4915.7	5414.7	5954.8	6214.0	5861.6	5274.4	4680.3	4346.8	4307.2
62.5°	3811.1	3891.4	4366.6	5279.4	6502.9	7260.5	6269.0	5011.3	4169.9	3710.5	3642.7
65°	2321.1	2405.8	2978.6	4345.3	6414.2	8089.1	6083.1	4159.5	3043.6	2472.2	2398.9
67.5°	773.5	798.3	1135.8	2401.8	5041.0	7268.0	5049.5	2490.0	1324.6	878.1	852.3
70°	302.8	305.2	360.3	696.2	2380.5	4992.0	2626.8	708.6	376.6	297.8	304.3
72.5°	222.5	223.5	238.8	290.9	620.4	2199.2	642.7	292.4	232.4	208.6	208.6
75°	178.9	178.9	189.8	212.1	278.0	504.5	282.0	209.6	181.9	166.5	164.5
77.5°	141.2	144.2	152.6	167.0	188.3	242.8	195.2	166.0	146.7	132.3	129.3
80°	105.1	108.0	121.9	128.8	135.3	168.5	144.2	129.8	116.0	99.1	96.1
82.5°	68.9	71.9	89.2	93.2	91.7	110.0	97.1	95.6	85.2	63.9	61.0
85°	45.1	46.1	59.5	61.9	57.0	50.0	61.9	65.4	59.5	41.6	40.1
87.5°	21.3	21.3	30.2	28.2	25.8	20.8	28.2	33.2	33.7	20.3	19.8
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)