

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: P316647

Luminaire Tested: **GAN-SA3C-830-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18026 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

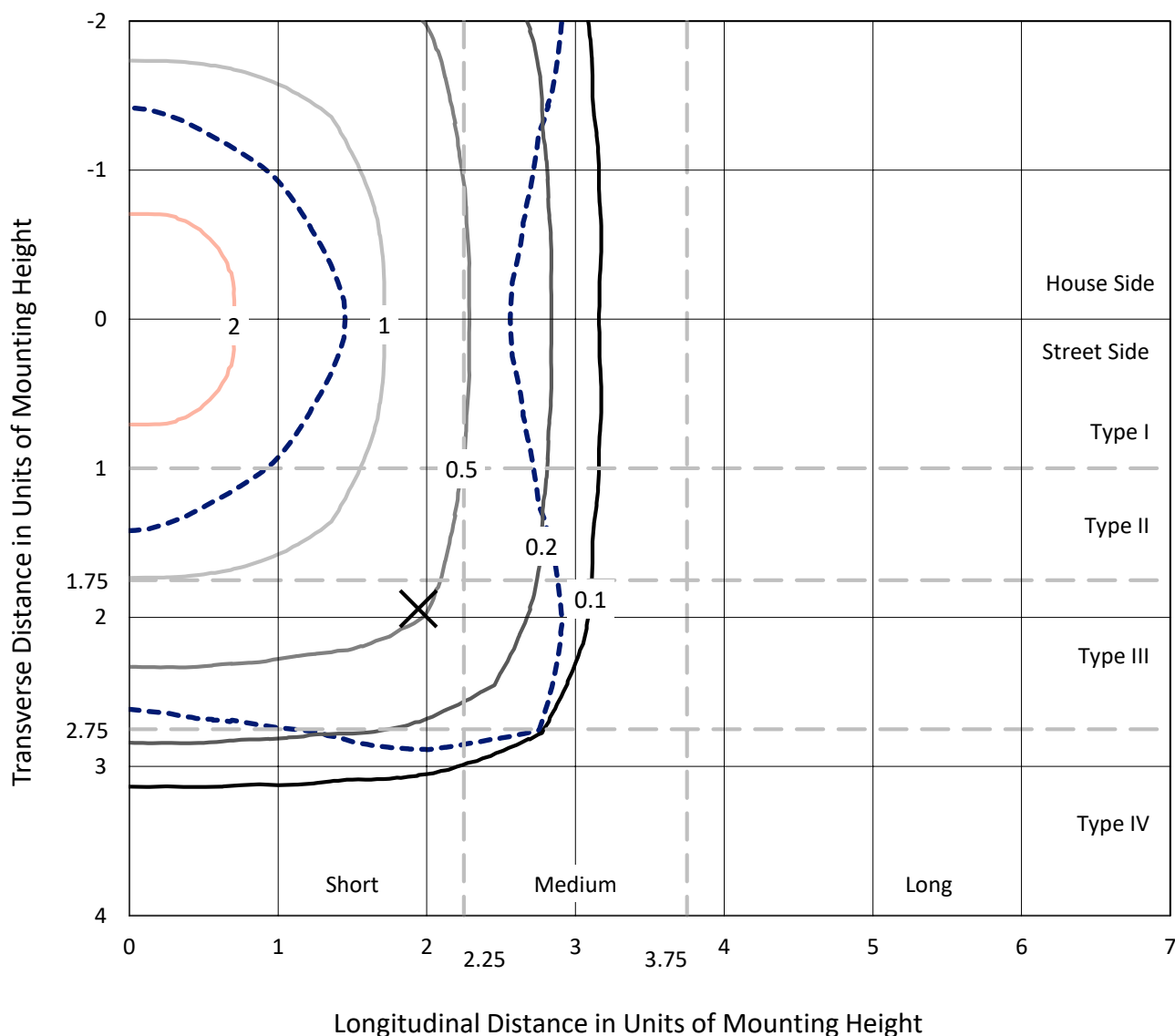
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

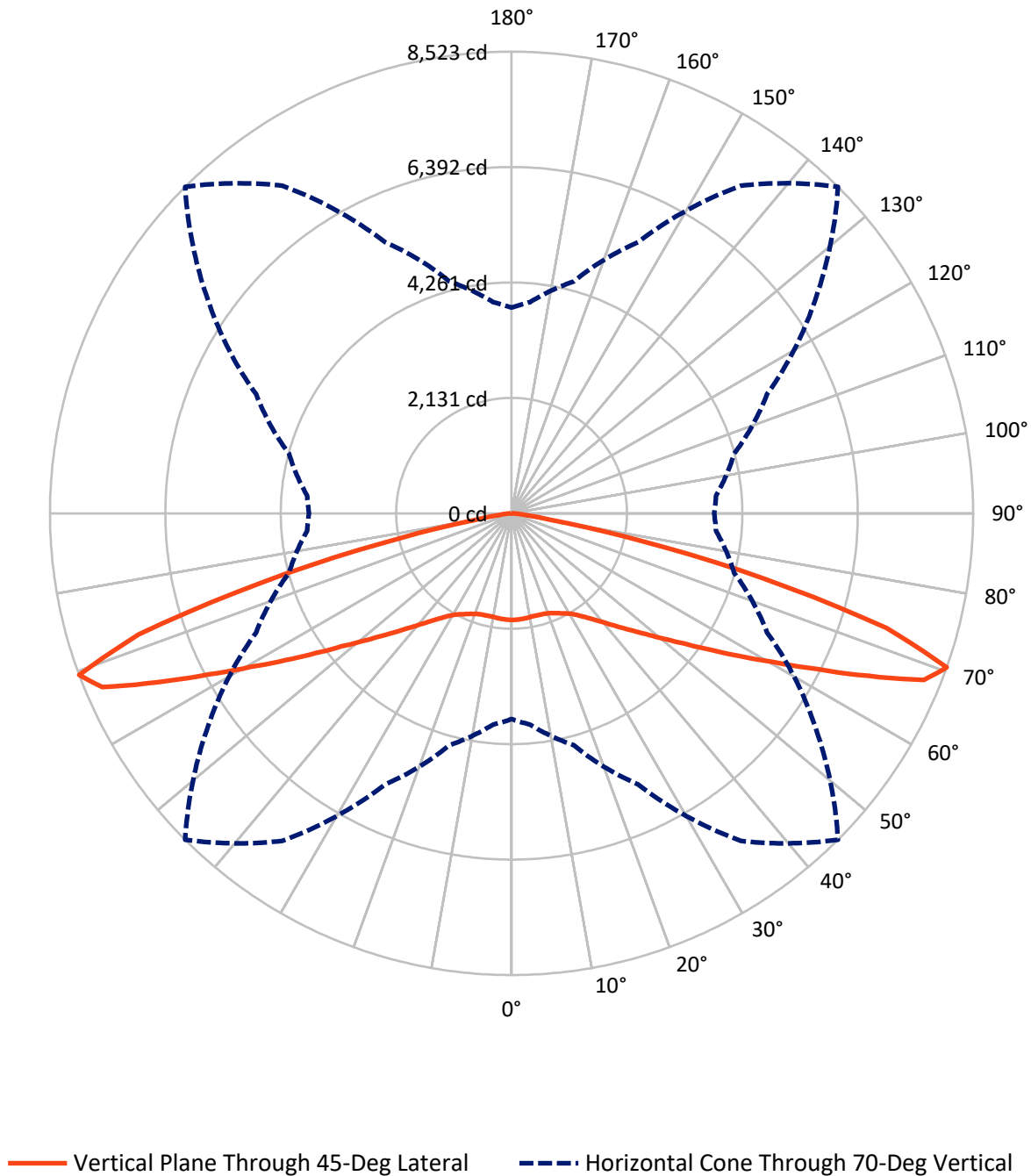
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9013.0	0.0	9013.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9013.0	0.0	9013.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18026.0	0.0	18026.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.5	1.0
10°-20°	547.4	3.0
20°-30°	931.8	5.2
30°-40°	1477.9	8.2
40°-50°	2405.0	13.3
50°-60°	3965.4	22.0
60°-70°	5821.3	32.3
70°-80°	2574.2	14.3
80°-90°	116.6	0.6
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°	18026.0	100.0
0°-180°	18026.0	100.0

Coefficient of Utilization



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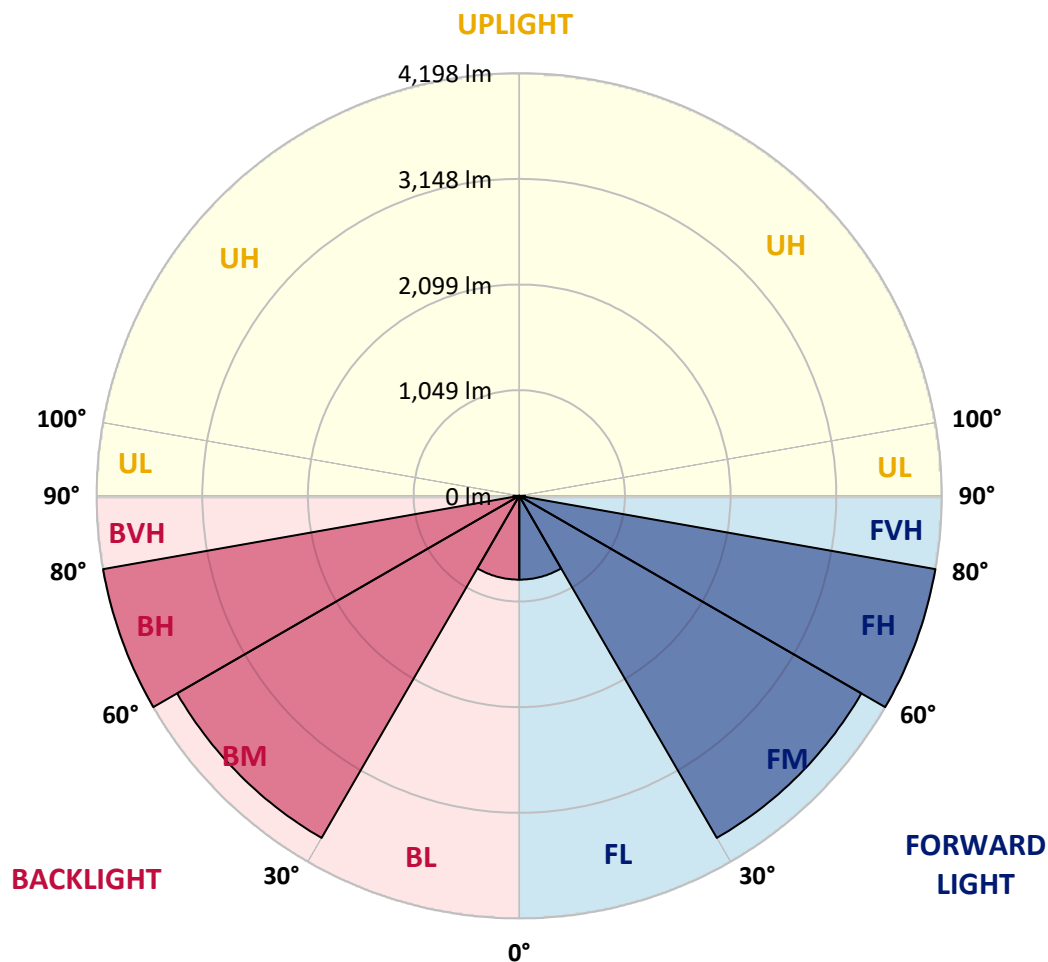
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	832.8	4.6			
FM	(30°-60°)	3924.1	21.8			
FH	(60°-80°)	4197.7	23.3			G2/5000
FVH	(80°-90°)	58.3	0.3			G1/100
BL	(0°-30°)	832.8	4.6	B2/1000		
BM	(30°-60°)	3924.1	21.8	B3/5000		
BH	(60°-80°)	4197.7	23.3	B4/5000		G2/5000
BVH	(80°-90°)	58.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7	1968.7
2.5°	1965.7	1963.9	1968.1	1967.5	1963.9	1964.5	1964.5	1966.3	1966.3	1965.1	1965.1
5°	1958.6	1957.4	1962.2	1962.2	1958.6	1959.8	1961.0	1962.8	1962.2	1961.0	1960.4
7.5°	1949.6	1949.0	1953.8	1953.8	1951.4	1952.6	1951.4	1952.0	1950.8	1949.6	1947.8
10°	1934.7	1935.9	1940.1	1941.3	1941.3	1941.9	1940.7	1937.7	1935.9	1934.1	1932.3
12.5°	1921.0	1920.4	1926.4	1929.3	1934.1	1939.5	1935.9	1927.6	1924.0	1920.4	1919.2
15°	1912.0	1912.6	1918.6	1924.0	1932.3	1943.7	1939.5	1926.4	1919.2	1915.0	1913.8
17.5°	1910.3	1911.4	1919.2	1928.7	1937.7	1950.2	1947.8	1934.7	1922.8	1915.0	1913.2
20°	1914.4	1915.0	1927.0	1940.7	1956.2	1968.1	1962.8	1948.4	1932.3	1920.4	1917.4
22.5°	1922.2	1924.6	1939.5	1961.0	1984.8	2000.9	1994.4	1969.9	1944.9	1929.9	1925.8
25°	1946.6	1947.2	1967.5	1996.8	2025.4	2043.9	2036.1	2001.5	1969.3	1952.6	1947.2
27.5°	1997.4	1999.1	2019.4	2053.4	2077.9	2089.8	2085.1	2057.0	2029.6	2011.7	2013.5
30°	2070.7	2073.1	2095.8	2133.4	2148.3	2151.3	2150.1	2137.0	2111.9	2088.0	2089.8
32.5°	2160.2	2161.4	2191.8	2225.8	2237.8	2240.2	2237.8	2225.8	2196.0	2163.8	2165.6
35°	2275.4	2278.9	2308.2	2341.0	2350.5	2355.3	2351.1	2335.6	2304.6	2273.0	2271.8
37.5°	2417.3	2417.9	2448.4	2482.4	2494.3	2495.5	2490.7	2480.6	2441.8	2413.2	2411.4
40°	2582.0	2584.4	2620.2	2656.6	2661.4	2656.0	2662.5	2656.6	2616.6	2583.8	2589.2
42.5°	2782.5	2787.8	2830.8	2866.6	2852.9	2849.9	2854.0	2855.8	2823.6	2783.7	2780.1
45°	3015.7	3020.5	3074.2	3102.8	3093.9	3074.2	3082.5	3096.9	3052.1	3002.6	3007.4
47.5°	3281.8	3293.7	3351.0	3377.8	3355.8	3328.9	3345.0	3366.5	3314.0	3252.6	3249.6
50°	3577.7	3592.6	3669.0	3706.6	3684.5	3635.0	3661.8	3676.1	3600.4	3521.0	3514.5
52.5°	3893.3	3908.2	4004.3	4081.8	4067.5	3990.5	4028.1	4013.2	3926.1	3819.3	3811.0
55°	4250.6	4256.6	4360.4	4485.7	4500.0	4443.3	4441.0	4416.5	4287.6	4164.1	4158.2
57.5°	4618.1	4622.3	4756.5	4904.5	4971.9	4971.9	4905.1	4853.2	4682.0	4538.8	4523.9
60°	5014.9	5029.8	5178.3	5379.4	5536.9	5583.4	5465.3	5323.9	5137.8	4963.0	4945.7
62.5°	5368.0	5385.3	5612.6	5912.1	6165.1	6334.5	6045.8	5815.5	5476.6	5196.2	5163.4
65°	5412.8	5459.3	5790.4	6332.7	6898.9	7237.1	6683.5	6116.2	5498.7	5109.1	5075.7
67.5°	4943.3	5022.0	5469.5	6313.6	7483.5	8209.6	7091.0	5944.3	5102.6	4671.8	4634.8
70°	3798.4	3913.0	4429.0	5522.6	7382.7	8522.8	6835.6	5204.0	4254.2	3790.7	3738.8
72.5°	2083.9	2131.0	2595.1	3781.7	5918.7	7242.5	5701.5	3848.0	2821.2	2295.6	2208.5
75°	661.0	677.7	914.0	1547.5	3348.0	4797.1	3621.8	1888.8	1039.8	766.6	757.7
77.5°	293.5	295.3	330.5	451.6	1153.2	2430.5	1385.3	514.3	354.4	309.6	319.8
80°	185.5	185.5	204.6	223.7	313.8	705.8	374.7	244.6	208.8	193.9	198.1
82.5°	88.9	98.4	133.0	143.2	172.4	237.4	192.1	159.9	139.6	103.8	96.6
85°	58.5	48.9	84.1	94.9	100.2	113.9	111.6	105.6	91.3	51.9	57.9
87.5°	26.2	25.1	43.6	40.0	37.6	28.6	43.0	53.1	51.3	25.7	25.7
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)