

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: P316447

Luminaire Tested: **GAN-SA3C-730-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316447
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-730-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 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: 20658 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

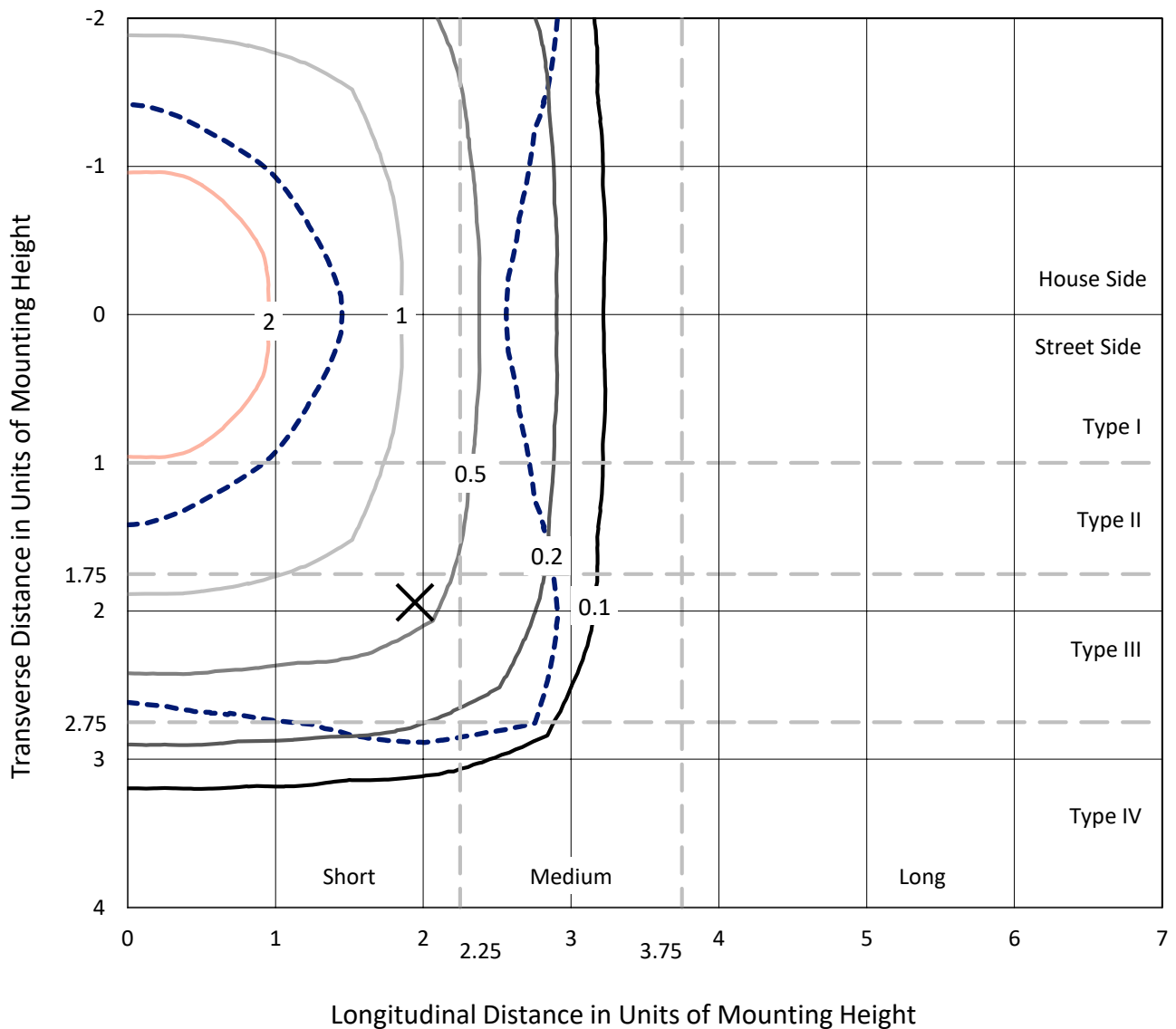
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

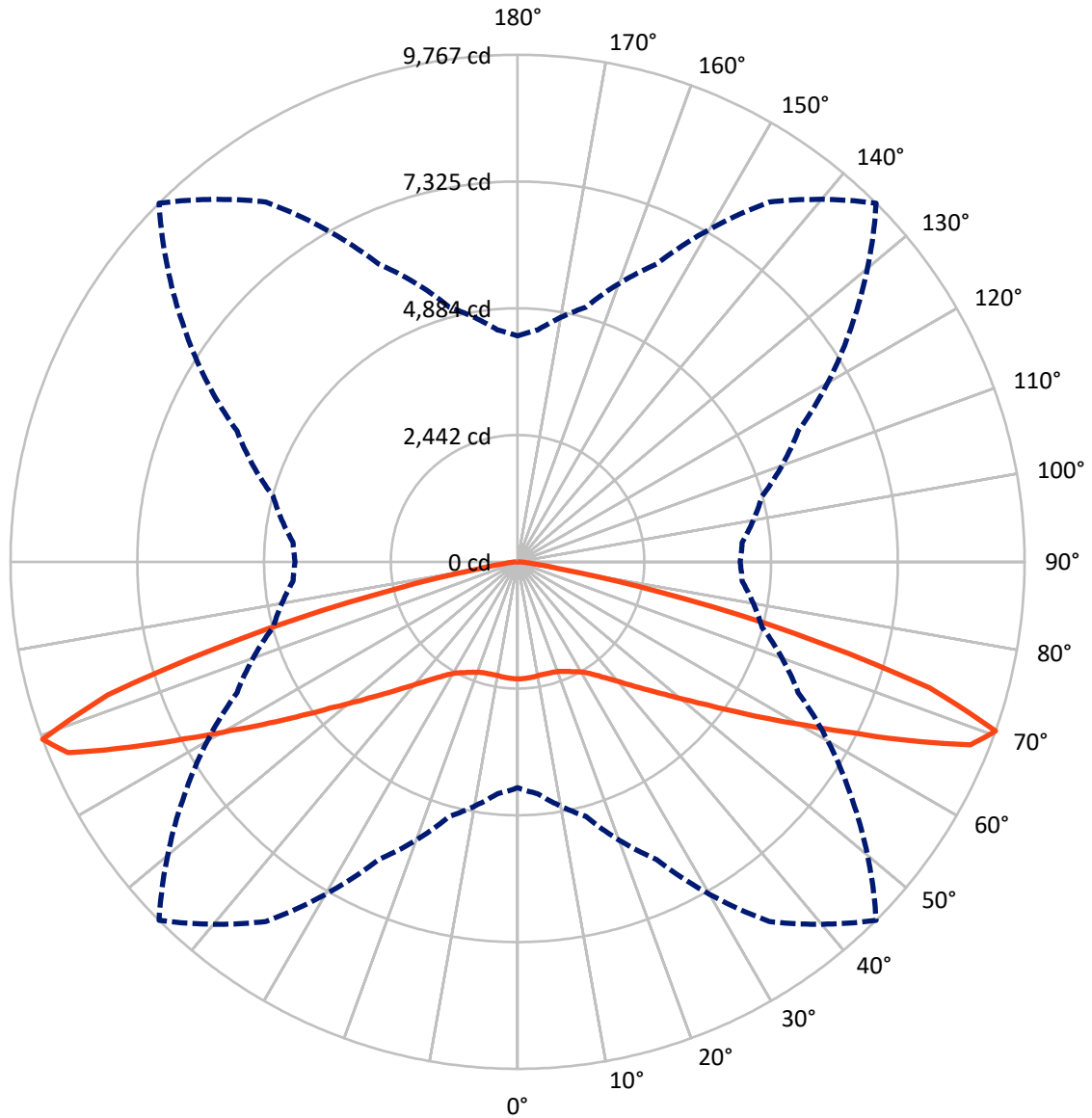
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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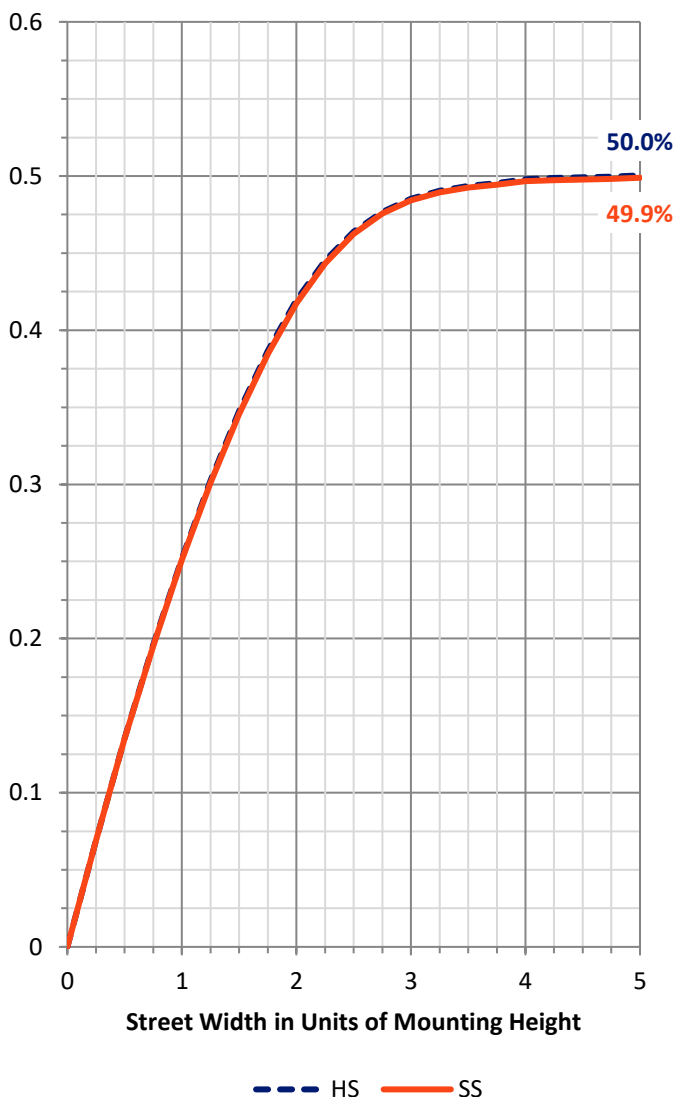
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10329.0	0.0	10329.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10329.0	0.0	10329.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20658.0	0.0	20658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	1.0
10°-20°	627.3	3.0
20°-30°	1067.9	5.2
30°-40°	1693.7	8.2
40°-50°	2756.1	13.3
50°-60°	4544.4	22.0
60°-70°	6671.3	32.3
70°-80°	2950.0	14.3
80°-90°	133.6	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°	20658.0	100.0
0°-180°	20658.0	100.0

Coefficient of Utilization

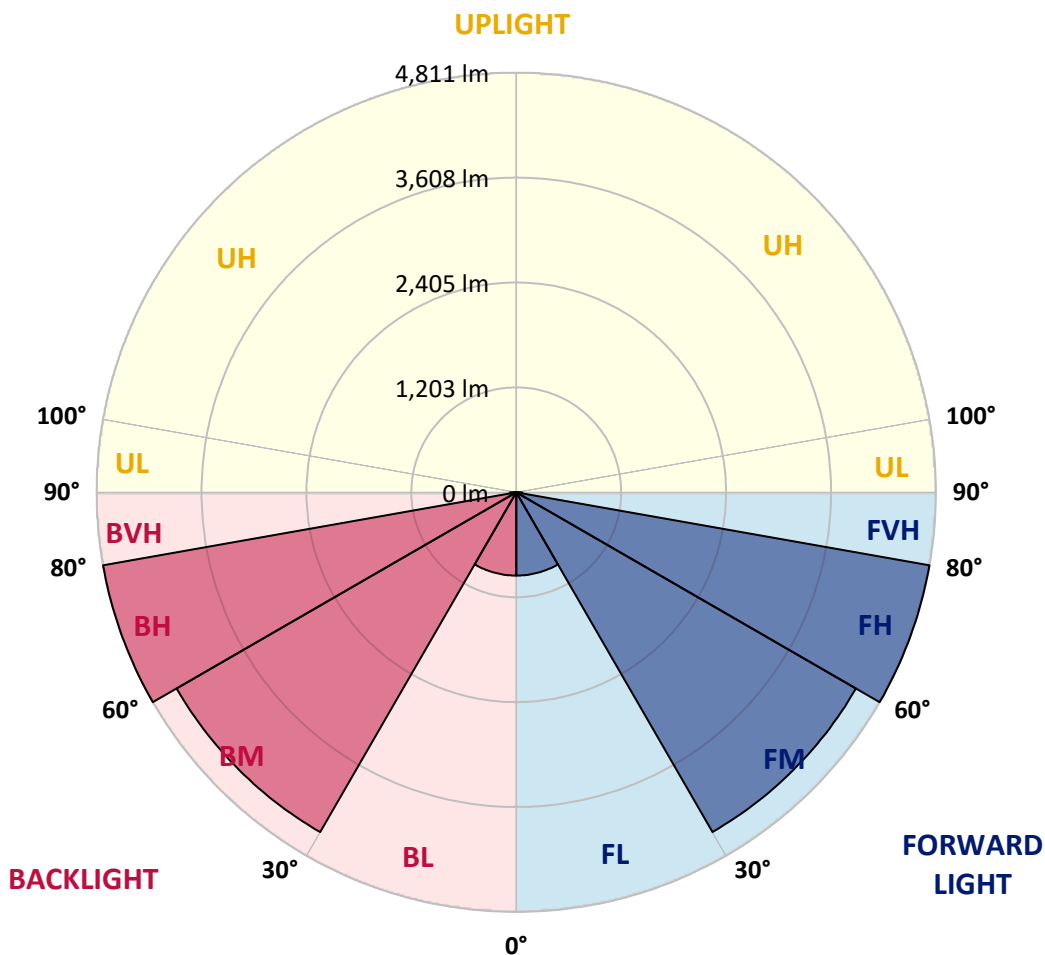


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	954.5	4.6			
FM (30°-60°)	4497.1	21.8			
FH (60°-80°)	4810.7	23.3			G2/5000
FVH (80°-90°)	66.8	0.3			G1/100
BL (0°-30°)	954.5	4.6	B2/1000		
BM (30°-60°)	4497.1	21.8	B3/5000		
BH (60°-80°)	4810.7	23.3	B4/5000		G2/5000
BVH (80°-90°)	66.8	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°	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2	2256.2
2.5°	2252.8	2250.7	2255.5	2254.8	2250.7	2251.4	2251.4	2253.4	2253.4	2252.1	2252.1
5°	2244.6	2243.2	2248.7	2248.7	2244.6	2245.9	2247.3	2249.3	2248.7	2247.3	2246.6
7.5°	2234.3	2233.6	2239.1	2239.1	2236.3	2237.7	2236.3	2237.0	2235.7	2234.3	2232.2
10°	2217.2	2218.6	2223.4	2224.7	2224.7	2225.4	2224.0	2220.6	2218.6	2216.5	2214.5
12.5°	2201.5	2200.8	2207.6	2211.1	2216.5	2222.7	2218.6	2209.0	2204.9	2200.8	2199.4
15°	2191.2	2191.9	2198.7	2204.9	2214.5	2227.5	2222.7	2207.6	2199.4	2194.6	2193.3
17.5°	2189.2	2190.5	2199.4	2210.4	2220.6	2235.0	2232.2	2217.2	2203.5	2194.6	2192.6
20°	2194.0	2194.6	2208.3	2224.0	2241.8	2255.5	2249.3	2232.9	2214.5	2200.8	2197.4
22.5°	2202.8	2205.6	2222.7	2247.3	2274.6	2293.1	2285.6	2257.5	2228.8	2211.7	2206.9
25°	2230.9	2231.6	2254.8	2288.3	2321.1	2342.3	2333.4	2293.8	2256.9	2237.7	2231.6
27.5°	2289.0	2291.0	2314.3	2353.3	2381.3	2395.0	2389.5	2357.4	2325.9	2305.4	2307.5
30°	2373.1	2375.8	2401.8	2444.9	2462.0	2465.4	2464.0	2449.0	2420.3	2392.9	2395.0
32.5°	2475.6	2477.0	2511.9	2550.8	2564.5	2567.3	2564.5	2550.8	2516.7	2479.7	2481.8
35°	2607.6	2611.7	2645.2	2682.8	2693.7	2699.2	2694.4	2676.6	2641.1	2604.9	2603.5
37.5°	2770.3	2771.0	2805.9	2844.8	2858.5	2859.9	2854.4	2842.8	2798.3	2765.5	2763.5
40°	2959.0	2961.7	3002.8	3044.5	3049.9	3043.8	3051.3	3044.5	2998.7	2961.1	2967.2
42.5°	3188.7	3194.9	3244.1	3285.1	3269.4	3266.0	3270.8	3272.8	3235.9	3190.1	3186.0
45°	3456.1	3461.5	3523.1	3555.9	3545.6	3523.1	3532.6	3549.0	3497.8	3441.0	3446.5
47.5°	3761.0	3774.6	3840.3	3871.0	3845.8	3815.0	3833.4	3858.1	3797.9	3727.5	3724.1
50°	4100.1	4117.2	4204.7	4247.8	4222.5	4165.7	4196.5	4212.9	4126.1	4035.1	4027.6
52.5°	4461.8	4478.8	4588.9	4677.8	4661.4	4573.2	4616.3	4599.2	4499.4	4377.0	4367.4
55°	4871.3	4878.1	4997.1	5140.7	5157.1	5092.1	5089.4	5061.4	4913.7	4772.2	4765.3
57.5°	5292.4	5297.2	5451.1	5620.6	5697.9	5697.9	5621.3	5561.8	5365.6	5201.5	5184.4
60°	5747.1	5764.2	5934.4	6164.8	6345.3	6398.6	6263.3	6101.2	5887.9	5687.6	5667.8
62.5°	6151.8	6171.7	6432.2	6775.4	7065.2	7259.4	6928.5	6664.6	6276.3	5954.9	5917.3
65°	6203.1	6256.4	6635.9	7257.4	7906.2	8293.8	7659.4	7009.2	6301.6	5855.1	5816.8
67.5°	5665.1	5755.3	6268.1	7235.5	8576.2	9408.3	8126.3	6812.3	5847.6	5354.0	5311.6
70°	4353.1	4484.3	5075.7	6328.9	8460.7	9767.2	7833.7	5963.8	4875.4	4344.2	4284.7
72.5°	2388.1	2442.1	2974.0	4333.9	6782.9	8300.0	6534.0	4409.8	3233.2	2630.8	2531.0
75°	757.5	776.7	1047.4	1773.5	3836.9	5497.5	4150.7	2164.6	1191.7	878.5	868.3
77.5°	336.4	338.4	378.8	517.6	1321.6	2785.4	1587.5	589.3	406.1	354.8	366.5
80°	212.6	212.6	234.5	256.4	359.6	808.8	429.4	280.3	239.3	222.2	227.0
82.5°	101.9	112.8	152.5	164.1	197.6	272.1	220.1	183.2	160.0	119.0	110.8
85°	67.0	56.1	96.4	108.7	114.9	130.6	127.8	121.0	104.6	59.5	66.3
87.5°	30.1	28.7	49.9	45.8	43.1	32.8	49.2	60.8	58.8	29.4	29.4
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)