

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: P316119

Luminaire Tested: **GAN-SA5B-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316119
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5B-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27397 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

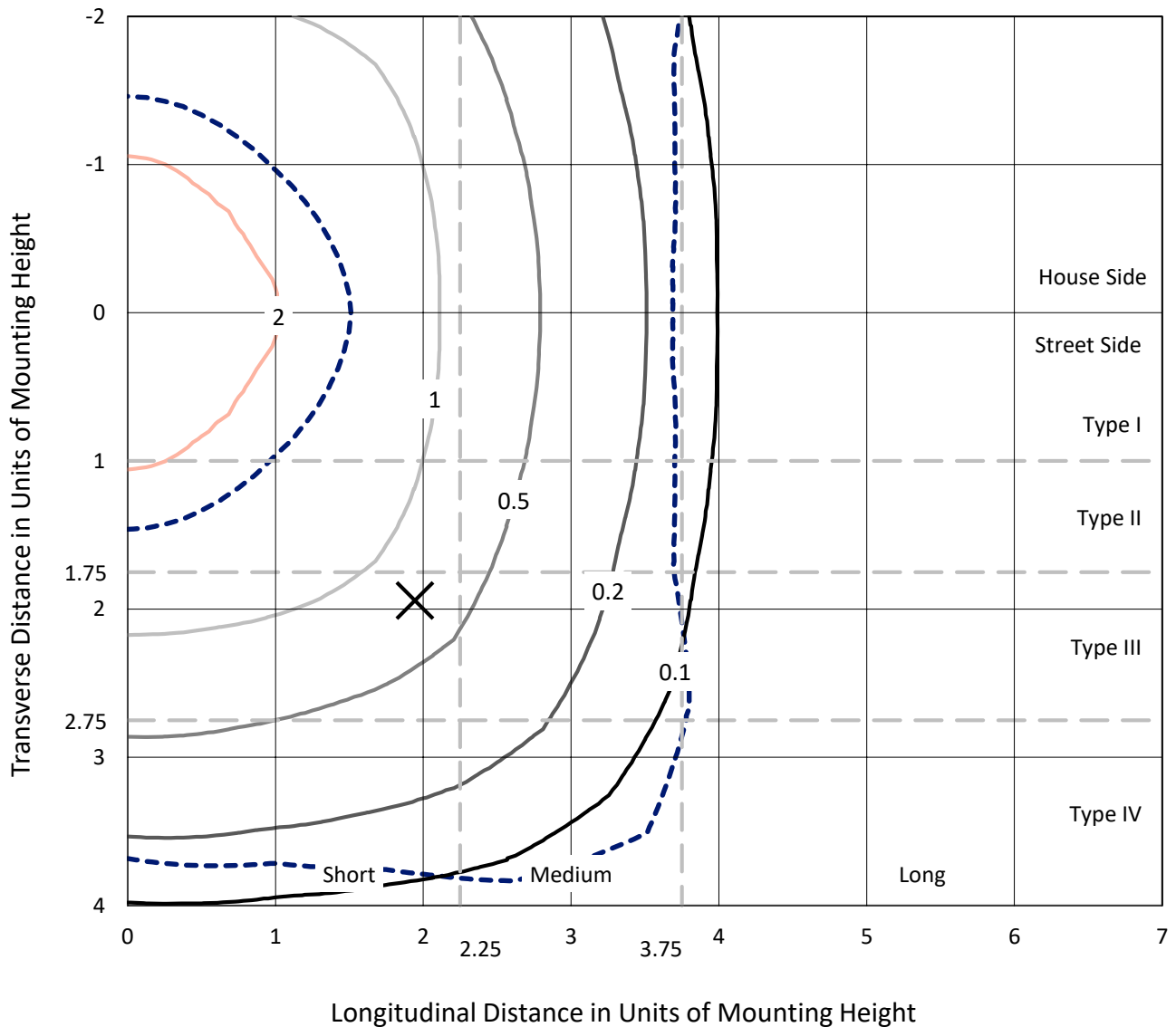
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

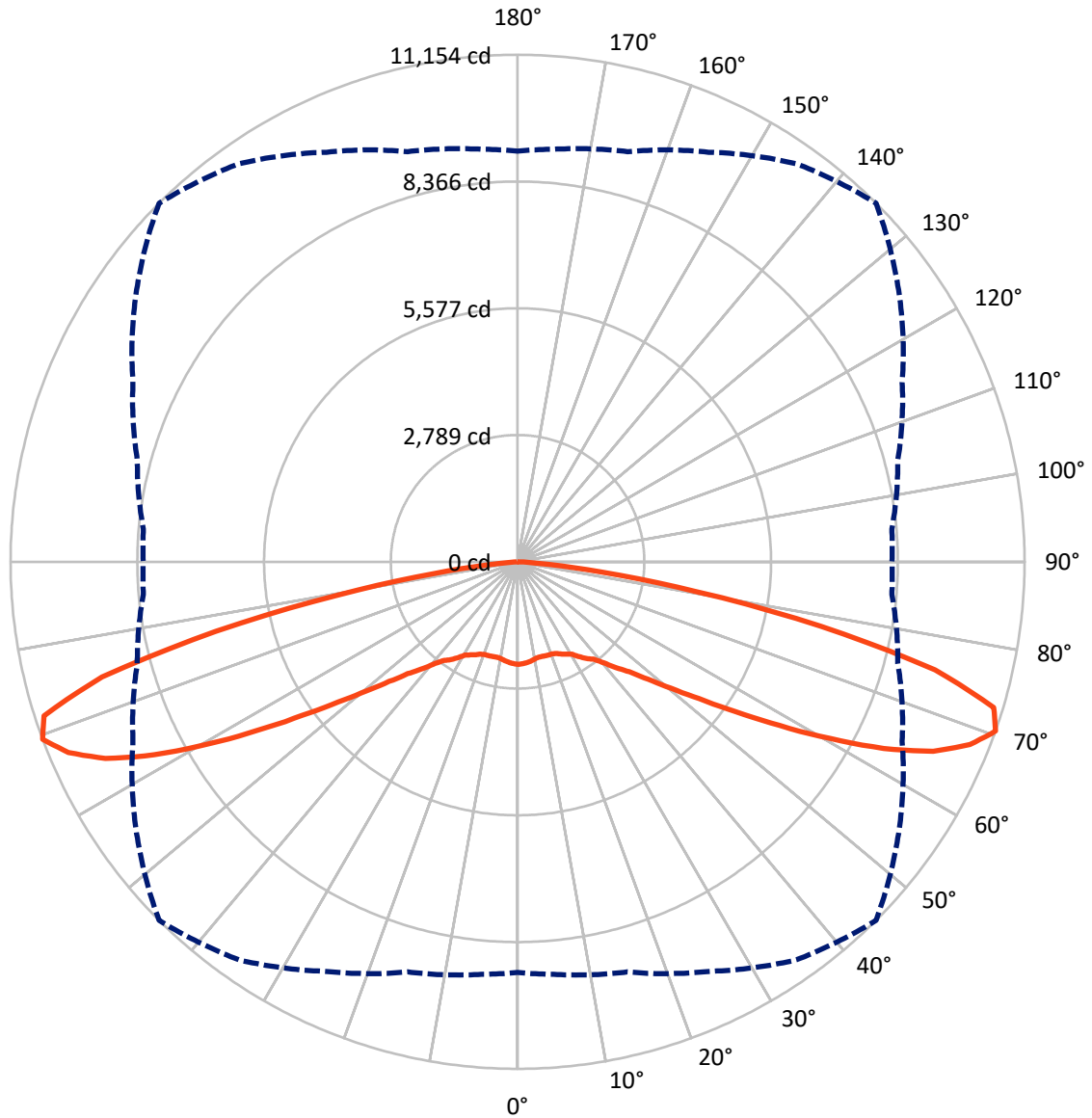
✕ Max cd
 - - - 1/2 Max cd



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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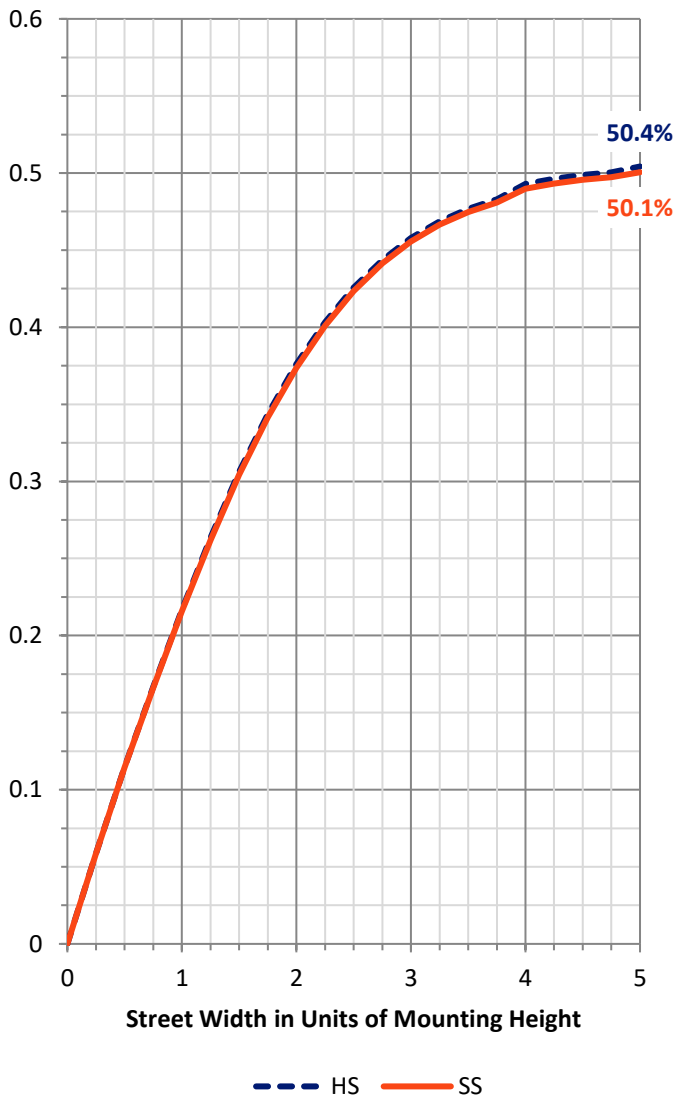
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13698.5	0.0	13698.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13698.5	0.0	13698.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27397.0	0.0	27397.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.5	0.8
10°-20°	614.7	2.2
20°-30°	1048.1	3.8
30°-40°	1637.6	6.0
40°-50°	2775.4	10.1
50°-60°	5061.2	18.5
60°-70°	8713.3	31.8
70°-80°	6829.8	24.9
80°-90°	506.4	1.8
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°	27397.0	100.0
0°-180°	27397.0	100.0

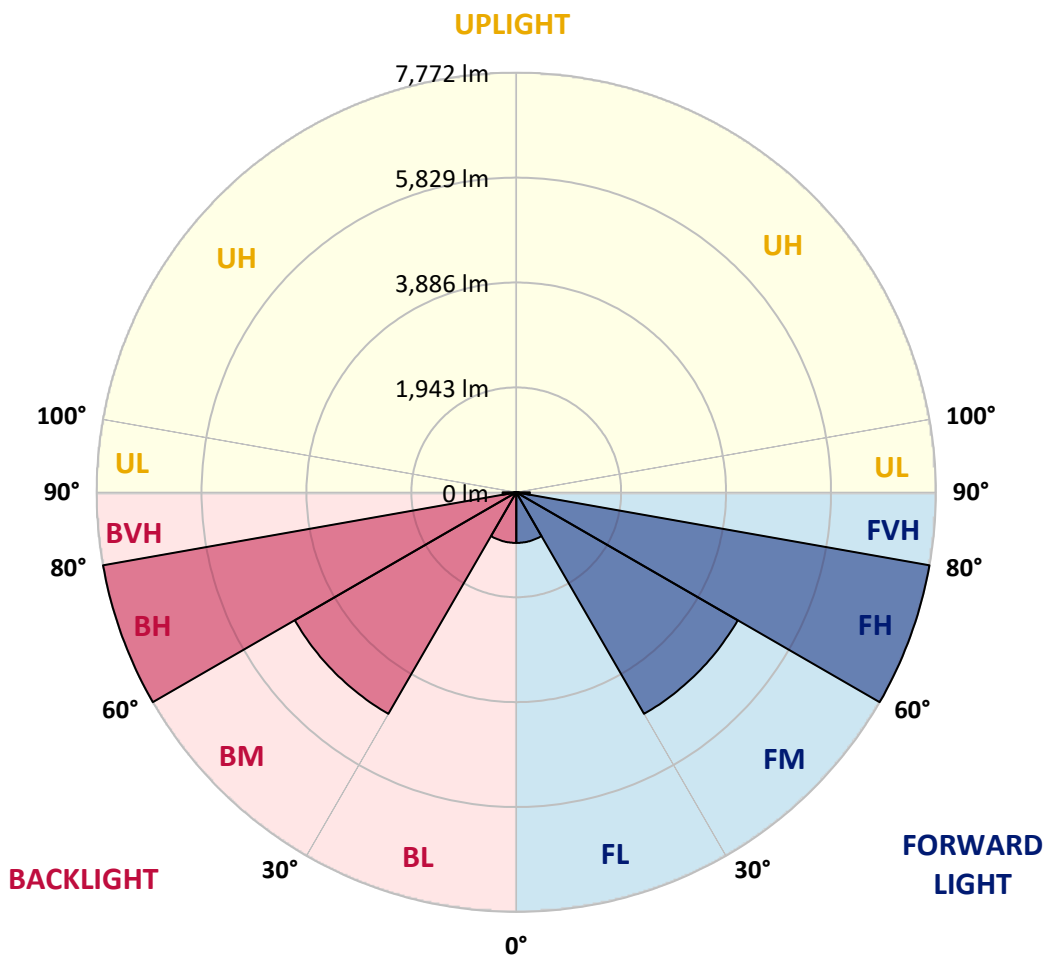


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.6	3.4			
FM (30°-60°)	4737.2	17.3			
FH (60°-80°)	7771.5	28.4			G4/12000
FVH (80°-90°)	253.2	0.9			G3/500
BL (0°-30°)	936.6	3.4	B2/1000		
BM (30°-60°)	4737.2	17.3	B3/5000		
BH (60°-80°)	7771.5	28.4	B5		G4/12000
BVH (80°-90°)	253.2	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8	2254.8
2.5°	2244.8	2247.5	2244.8	2246.6	2242.1	2243.9	2243.9	2243.9	2243.0	2243.9	2242.1
5°	2224.9	2226.7	2223.1	2224.9	2222.2	2224.9	2225.8	2224.9	2223.1	2224.0	2220.3
7.5°	2195.0	2196.8	2194.1	2196.8	2193.2	2197.7	2196.8	2194.1	2191.3	2191.3	2187.7
10°	2178.7	2179.6	2172.3	2169.6	2161.4	2163.2	2166.0	2168.7	2171.4	2176.8	2175.9
12.5°	2179.6	2179.6	2168.7	2156.9	2145.1	2147.8	2152.4	2162.3	2173.2	2183.2	2184.1
15°	2188.6	2187.7	2171.4	2152.4	2144.2	2152.4	2155.1	2161.4	2178.7	2195.9	2196.8
17.5°	2195.0	2195.0	2169.6	2147.8	2146.9	2159.6	2158.7	2161.4	2180.5	2205.8	2206.7
20°	2206.7	2206.7	2174.1	2150.6	2150.6	2164.2	2165.1	2169.6	2188.6	2216.7	2221.2
22.5°	2233.0	2233.9	2199.5	2180.5	2182.3	2190.4	2193.2	2200.4	2217.6	2248.4	2253.9
25°	2270.2	2272.0	2236.7	2225.8	2232.1	2247.5	2245.7	2251.2	2270.2	2300.1	2305.5
27.5°	2321.8	2317.3	2284.7	2280.2	2286.5	2297.4	2296.5	2297.4	2312.8	2340.0	2346.3
30°	2388.9	2387.1	2363.5	2366.2	2363.5	2359.9	2360.8	2368.1	2376.2	2398.0	2404.3
32.5°	2454.2	2456.0	2441.5	2455.1	2475.0	2488.6	2467.7	2447.8	2438.7	2450.5	2456.0
35°	2572.0	2576.5	2553.8	2544.8	2572.0	2611.8	2552.9	2520.3	2538.4	2553.8	2558.4
37.5°	2772.3	2775.0	2736.9	2700.7	2680.7	2718.8	2659.9	2662.6	2726.0	2755.0	2754.1
40°	3000.6	3001.5	2976.2	2944.4	2910.0	2919.1	2895.5	2902.8	2944.4	2970.7	2978.0
42.5°	3272.5	3269.8	3229.9	3184.6	3174.6	3183.7	3143.8	3138.4	3186.4	3233.5	3234.4
45°	3625.0	3618.7	3567.0	3517.2	3469.2	3449.2	3439.3	3465.5	3531.7	3575.2	3576.1
47.5°	4004.8	3987.5	3960.4	3920.5	3878.8	3858.9	3842.5	3855.2	3903.3	3920.5	3922.3
50°	4395.4	4399.0	4404.4	4389.0	4373.6	4367.3	4324.7	4300.2	4314.7	4283.0	4278.5
52.5°	4858.5	4865.7	4918.3	4962.7	4989.0	5002.6	4921.9	4837.6	4790.5	4728.9	4710.7
55°	5404.9	5416.7	5493.8	5617.0	5743.9	5810.9	5665.0	5507.3	5361.4	5246.3	5209.2
57.5°	6013.9	6034.8	6140.8	6377.4	6637.5	6796.0	6549.5	6263.2	5981.3	5815.5	5786.5
60°	6728.1	6748.0	6894.8	7233.8	7655.2	7893.5	7520.2	7051.6	6700.9	6542.3	6488.8
62.5°	7578.2	7580.0	7760.3	8156.3	8712.8	9044.5	8538.8	7912.6	7551.0	7359.7	7308.1
65°	8492.6	8497.1	8683.8	9111.5	9687.0	10047.7	9476.8	8824.3	8382.0	8100.2	8060.3
67.5°	9138.7	9157.8	9354.4	9869.2	10407.5	10732.8	10142.0	9404.3	8893.1	8556.9	8523.4
70°	9035.4	9109.7	9340.8	9941.7	10690.3	11154.3	10249.8	9335.4	8661.1	8264.2	8236.1
72.5°	7879.9	8022.2	8330.3	9118.8	10316.0	10954.9	9661.6	8361.2	7598.1	7260.1	7209.3
75°	5366.0	5597.1	6062.0	7199.3	8813.4	9484.9	8133.7	6666.5	5948.7	5481.1	5446.6
77.5°	2392.5	2445.1	3034.2	4343.7	6081.9	6811.5	5909.7	4360.9	3273.4	2610.9	2471.4
80°	667.0	675.2	900.8	1617.7	3044.1	4002.0	3268.0	1699.2	955.2	673.4	634.4
82.5°	212.1	230.2	280.9	419.6	1023.2	1826.1	1050.4	453.1	322.6	257.4	232.0
85°	103.3	102.4	142.3	170.4	261.0	404.2	278.2	210.3	184.0	122.3	110.6
87.5°	43.5	44.4	66.2	59.8	76.1	65.3	89.7	94.3	98.8	54.4	47.1
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)