

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: P316128

Luminaire Tested: **GAN-SA4C-730-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316128
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-SA4C-730-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27369 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

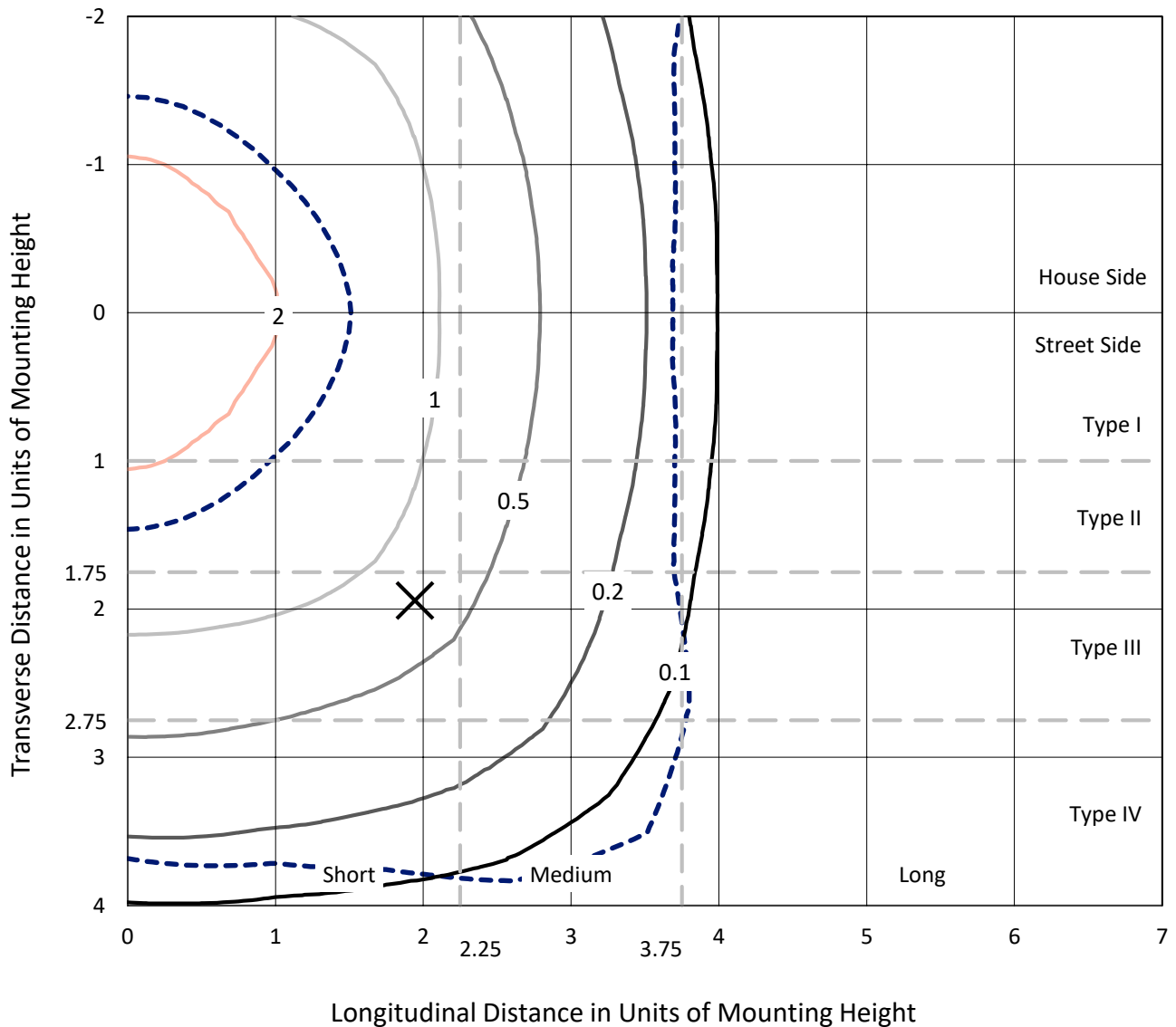
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

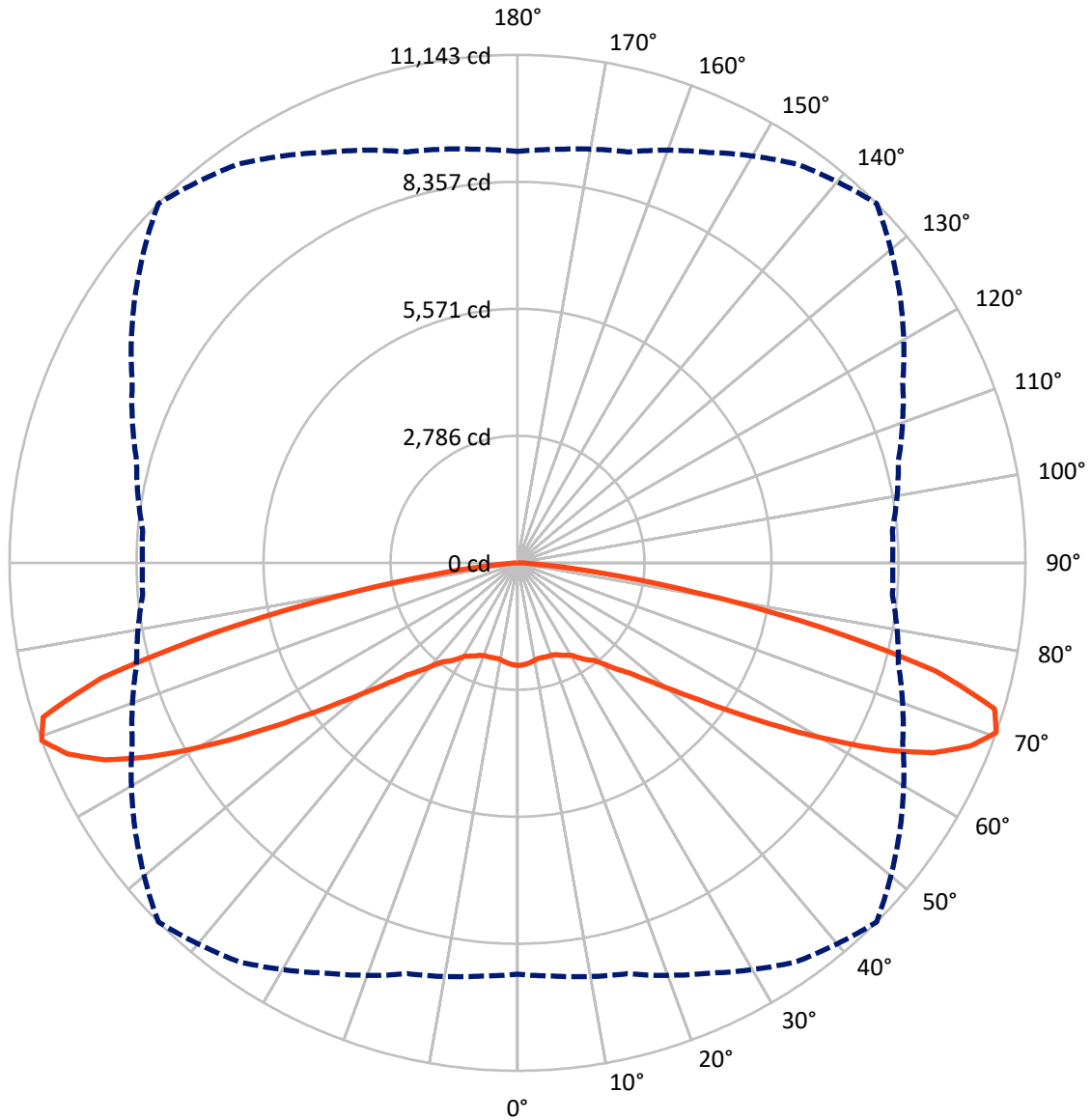
✕ Max cd
 - - - 1/2 Max cd



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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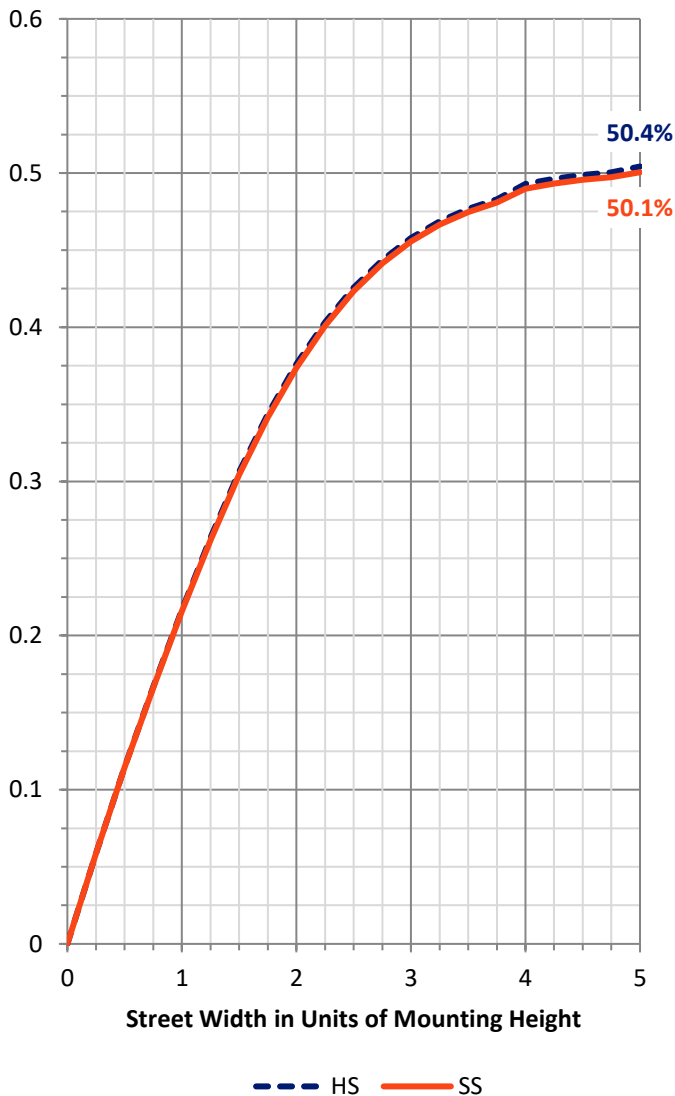
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13684.5	0.0	13684.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13684.5	0.0	13684.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27369.0	0.0	27369.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.2	0.8
10°-20°	614.1	2.2
20°-30°	1047.0	3.8
30°-40°	1636.0	6.0
40°-50°	2772.6	10.1
50°-60°	5056.1	18.5
60°-70°	8704.3	31.8
70°-80°	6822.8	24.9
80°-90°	505.9	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°	27369.0	100.0
0°-180°	27369.0	100.0



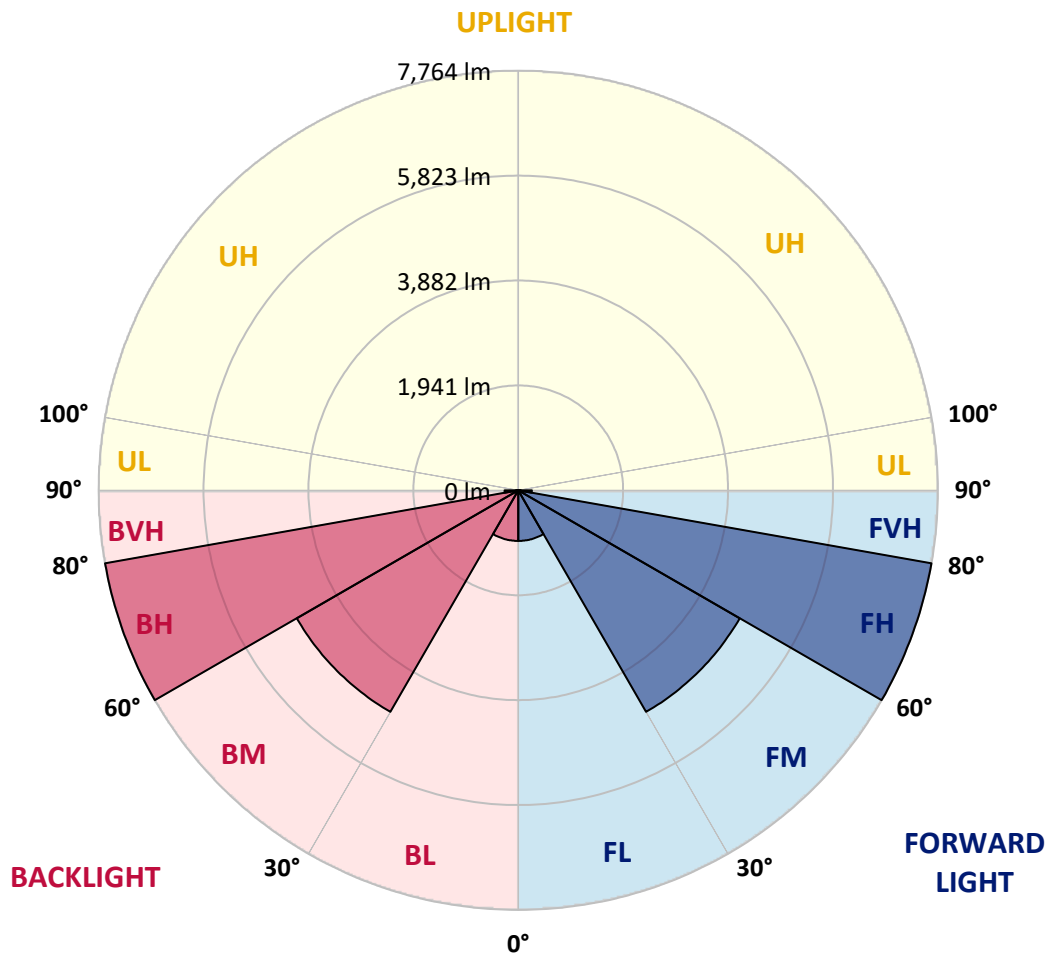
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	935.7	3.4			
FM (30°-60°)	4732.3	17.3			
FH (60°-80°)	7763.6	28.4			G4/12000
FVH (80°-90°)	253.0	0.9			G3/500
BL (0°-30°)	935.7	3.4	B2/1000		
BM (30°-60°)	4732.3	17.3	B3/5000		
BH (60°-80°)	7763.6	28.4	B5		G4/12000
BVH (80°-90°)	253.0	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°	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5	2252.5
2.5°	2242.5	2245.2	2242.5	2244.3	2239.8	2241.6	2241.6	2241.6	2240.7	2241.6	2239.8
5°	2222.6	2224.4	2220.8	2222.6	2219.9	2222.6	2223.5	2222.6	2220.8	2221.7	2218.1
7.5°	2192.7	2194.5	2191.8	2194.5	2190.9	2195.4	2194.5	2191.8	2189.1	2189.1	2185.5
10°	2176.4	2177.3	2170.1	2167.4	2159.2	2161.0	2163.7	2166.5	2169.2	2174.6	2173.7
12.5°	2177.3	2177.3	2166.5	2154.7	2142.9	2145.6	2150.2	2160.1	2171.0	2181.0	2181.9
15°	2186.4	2185.5	2169.2	2150.2	2142.0	2150.2	2152.9	2159.2	2176.4	2193.6	2194.5
17.5°	2192.7	2192.7	2167.4	2145.6	2144.7	2157.4	2156.5	2159.2	2178.2	2203.6	2204.5
20°	2204.5	2204.5	2171.9	2148.4	2148.4	2161.9	2162.8	2167.4	2186.4	2214.4	2219.0
22.5°	2230.7	2231.6	2197.2	2178.2	2180.0	2188.2	2190.9	2198.2	2215.4	2246.1	2251.6
25°	2267.9	2269.7	2234.4	2223.5	2229.8	2245.2	2243.4	2248.9	2267.9	2297.7	2303.2
27.5°	2319.5	2314.9	2282.3	2277.8	2284.2	2295.0	2294.1	2295.0	2310.4	2337.6	2343.9
30°	2386.5	2384.7	2361.1	2363.8	2361.1	2357.5	2358.4	2365.6	2373.8	2395.5	2401.9
32.5°	2451.6	2453.5	2439.0	2452.6	2472.5	2486.0	2465.2	2445.3	2436.3	2448.0	2453.5
35°	2569.3	2573.9	2551.2	2542.2	2569.3	2609.2	2550.3	2517.7	2535.8	2551.2	2555.8
37.5°	2769.4	2772.1	2734.1	2697.9	2678.0	2716.0	2657.2	2659.9	2723.2	2752.2	2751.3
40°	2997.6	2998.5	2973.1	2941.4	2907.0	2916.1	2892.5	2899.8	2941.4	2967.7	2974.9
42.5°	3269.2	3266.4	3226.6	3181.3	3171.4	3180.4	3140.6	3135.2	3183.2	3230.2	3231.1
45°	3621.3	3615.0	3563.4	3513.6	3465.6	3445.7	3435.7	3462.0	3528.1	3571.5	3572.5
47.5°	4000.7	3983.5	3956.3	3916.5	3874.8	3854.9	3838.6	3851.3	3899.3	3916.5	3918.3
50°	4390.9	4394.5	4399.9	4384.5	4369.1	4362.8	4320.3	4295.8	4310.3	4278.6	4274.1
52.5°	4853.5	4860.7	4913.3	4957.6	4983.9	4997.4	4916.9	4832.7	4785.6	4724.0	4705.9
55°	5399.4	5411.2	5488.1	5611.3	5738.0	5805.0	5659.2	5501.7	5356.0	5241.0	5203.9
57.5°	6007.8	6028.6	6134.5	6370.8	6630.7	6789.1	6542.9	6256.8	5975.2	5809.5	5780.6
60°	6721.2	6741.1	6887.8	7226.4	7647.4	7885.5	7512.5	7044.4	6694.0	6535.6	6482.2
62.5°	7570.4	7572.2	7752.4	8148.0	8703.9	9035.2	8530.1	7904.5	7543.2	7352.2	7300.6
65°	8483.9	8488.4	8674.9	9102.2	9677.1	10037.4	9467.1	8815.2	8373.4	8091.9	8052.0
67.5°	9129.4	9148.4	9344.9	9859.1	10396.9	10721.9	10131.6	9394.7	8884.0	8548.2	8514.7
70°	9026.2	9100.4	9331.3	9931.5	10679.3	11142.9	10239.3	9325.9	8652.3	8255.7	8227.7
72.5°	7871.9	8014.0	8321.8	9109.5	10305.4	10943.7	9651.8	8352.6	7590.3	7252.6	7201.9
75°	5360.5	5591.3	6055.8	7192.0	8804.4	9475.2	8125.4	6659.6	5942.6	5475.5	5441.1
77.5°	2390.1	2442.6	3031.1	4339.3	6075.7	6804.5	5903.7	4356.5	3270.1	2608.3	2468.8
80°	666.3	674.5	899.9	1616.0	3041.0	3998.0	3264.6	1697.5	954.2	672.7	633.7
82.5°	211.8	230.0	280.7	419.2	1022.1	1824.2	1049.3	452.7	322.3	257.1	231.8
85°	103.2	102.3	142.1	170.2	260.7	403.8	277.9	210.0	183.8	122.2	110.5
87.5°	43.5	44.4	66.1	59.8	76.0	65.2	89.6	94.2	98.7	54.3	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)