

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: P317069

Luminaire Tested: **GAN-SA5A-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA5A-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21682 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

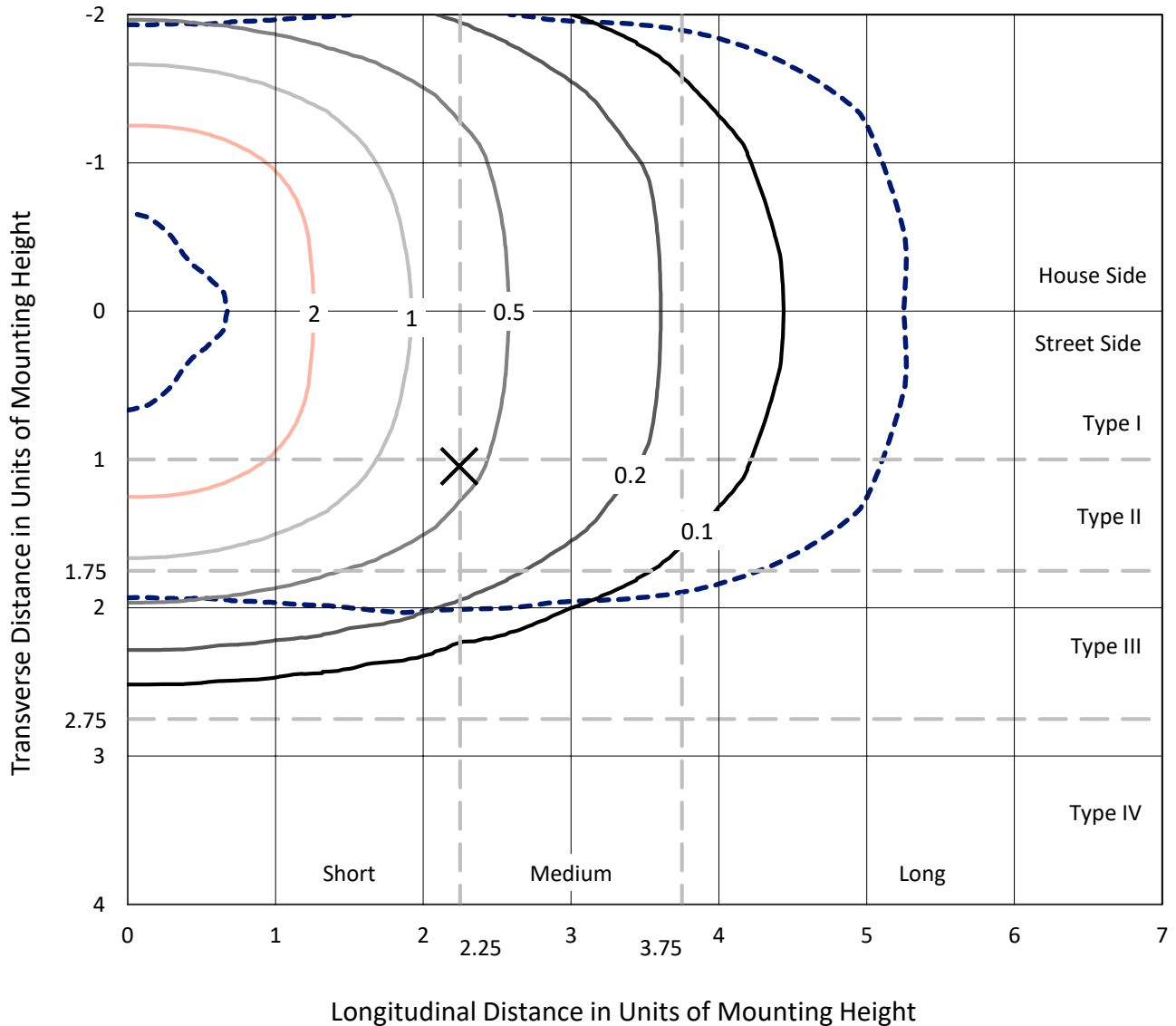
Input Watts (W): 162
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

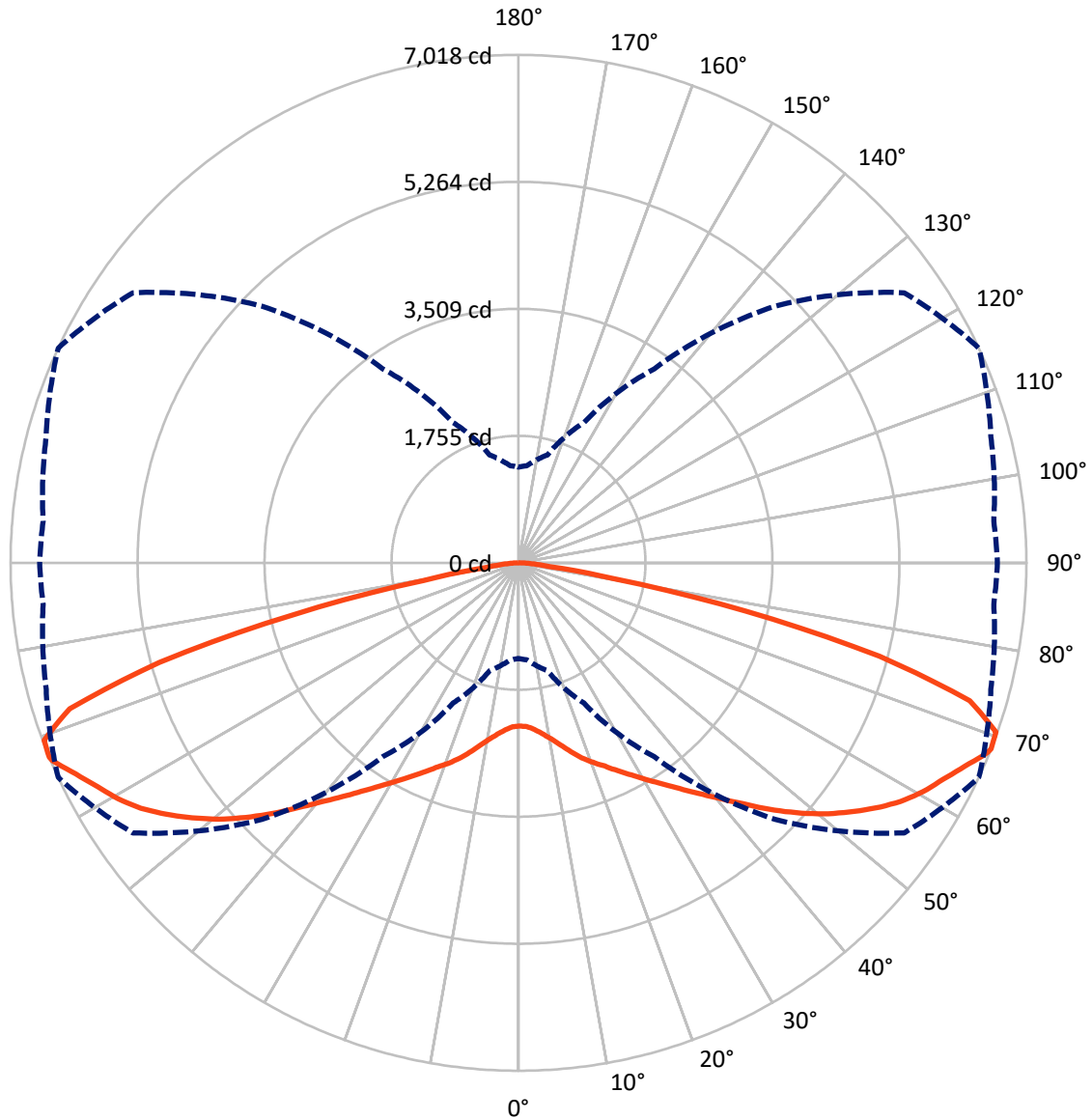
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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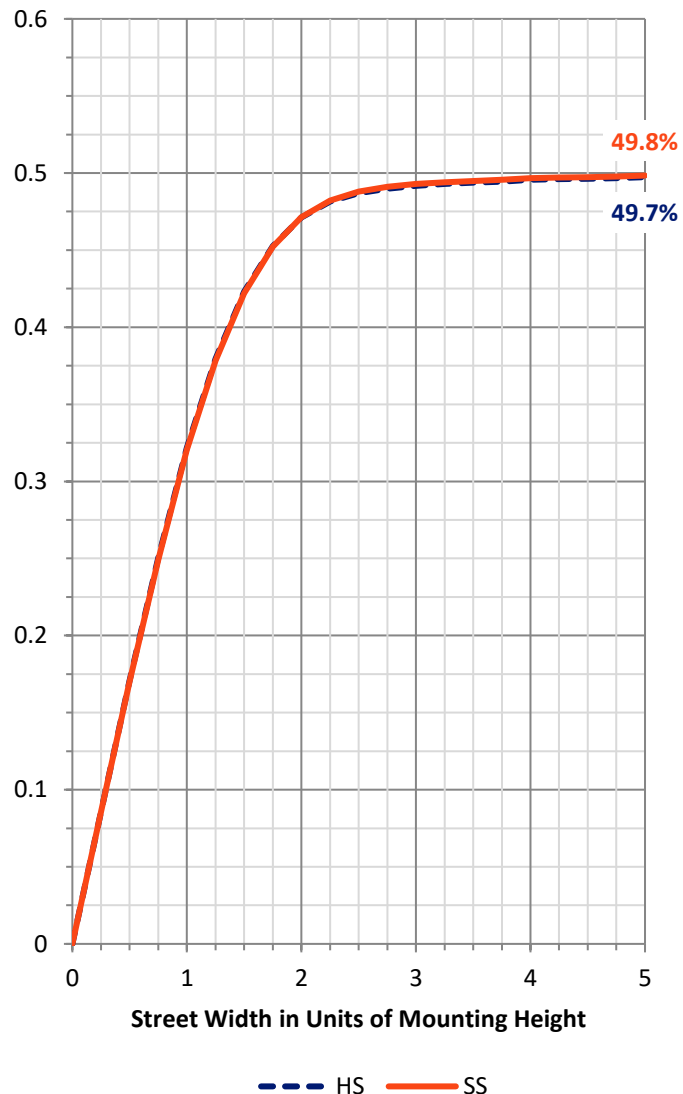
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10841.0	0.0	10841.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10841.0	0.0	10841.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21682.0	0.0	21682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	1.0
10°-20°	739.1	3.4
20°-30°	1441.0	6.6
30°-40°	2420.8	11.2
40°-50°	3814.3	17.6
50°-60°	5101.0	23.5
60°-70°	4958.8	22.9
70°-80°	2710.7	12.5
80°-90°	275.7	1.3
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°	21682.0	100.0
0°-180°	21682.0	100.0

Coefficient of Utilization

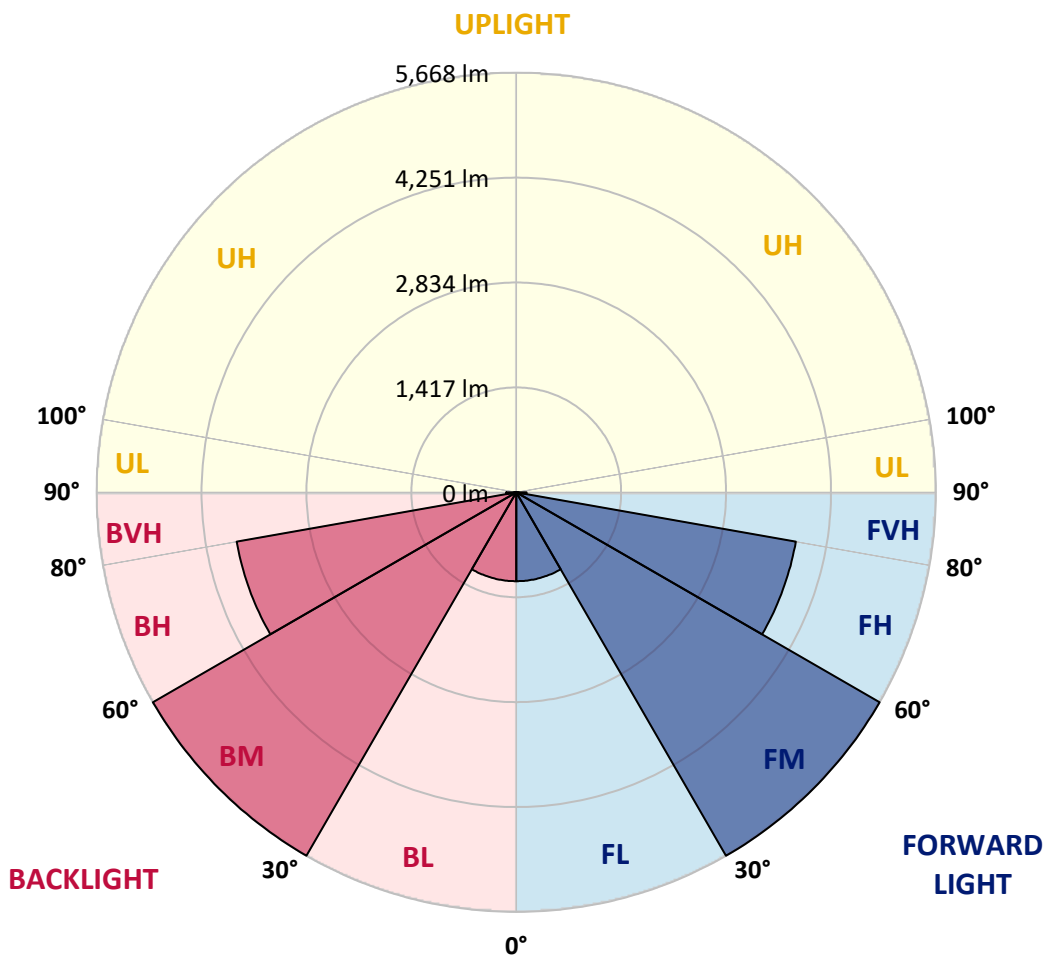


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1200.4	5.5			
FM (30°-60°)	5668.0	26.1			
FH (60°-80°)	3834.7	17.7			G2/5000
FVH (80°-90°)	137.8	0.6			G2/225
BL (0°-30°)	1200.4	5.5	B3/2500		
BM (30°-60°)	5668.0	26.1	B4/8500		
BH (60°-80°)	3834.7	17.7	B4/5000		G4/5000
BVH (80°-90°)	137.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4	2254.4
2.5°	2238.4	2239.2	2242.8	2247.1	2250.8	2260.2	2262.4	2266.0	2267.5	2271.1	2271.1
5°	2218.8	2220.2	2229.0	2240.6	2253.7	2277.0	2293.7	2312.6	2322.0	2332.2	2331.5
7.5°	2216.6	2220.2	2232.6	2251.5	2273.3	2311.9	2346.7	2384.6	2410.0	2433.3	2431.8
10°	2239.2	2245.0	2262.4	2290.8	2323.5	2371.5	2423.1	2474.0	2518.3	2553.9	2555.4
12.5°	2273.3	2280.6	2308.2	2351.1	2400.5	2462.3	2523.4	2580.8	2641.9	2695.0	2699.3
15°	2318.4	2327.8	2369.3	2433.3	2508.9	2582.3	2647.7	2706.6	2777.1	2850.6	2857.8
17.5°	2385.3	2398.4	2452.9	2539.4	2639.0	2719.7	2788.0	2832.4	2891.3	2966.9	2980.7
20°	2487.1	2503.8	2572.8	2676.1	2797.5	2881.8	2934.2	2943.6	2972.7	3040.3	3056.3
22.5°	2619.4	2633.9	2711.0	2833.8	2969.8	3061.4	3089.0	3051.2	3048.3	3102.8	3118.1
25°	2767.0	2780.0	2869.5	3007.6	3153.7	3254.8	3254.0	3180.6	3129.7	3171.9	3187.9
27.5°	2932.7	2953.1	3038.8	3184.2	3340.6	3440.1	3434.3	3320.9	3224.2	3235.1	3248.9
30°	3123.2	3145.7	3229.3	3376.9	3533.2	3630.6	3623.4	3473.6	3328.2	3299.1	3309.3
32.5°	3359.5	3386.4	3465.6	3611.0	3749.1	3837.1	3816.0	3639.3	3453.2	3390.0	3399.4
35°	3643.7	3659.7	3743.3	3886.5	3998.5	4058.8	4014.5	3831.3	3611.7	3535.4	3535.4
37.5°	3931.6	3944.0	4037.7	4176.6	4284.9	4316.9	4230.4	4041.4	3818.9	3710.6	3712.8
40°	4207.9	4241.3	4346.7	4489.2	4596.1	4604.8	4489.9	4281.3	4049.4	3937.4	3950.5
42.5°	4496.5	4529.2	4655.0	4816.4	4910.9	4925.4	4790.9	4550.3	4309.6	4218.8	4233.3
45°	4753.8	4780.0	4925.4	5113.0	5230.7	5268.5	5109.3	4858.5	4591.0	4502.3	4505.9
47.5°	4933.4	4967.6	5127.5	5348.5	5520.1	5578.2	5421.9	5158.8	4868.0	4760.4	4769.8
50°	5096.2	5114.4	5276.5	5517.9	5736.0	5856.0	5722.2	5455.4	5147.9	5033.7	5043.9
52.5°	5187.1	5210.4	5367.4	5619.0	5877.0	6070.4	5989.0	5722.2	5418.3	5307.1	5319.4
55°	5123.9	5141.3	5329.6	5641.5	5964.3	6202.7	6215.1	5983.2	5683.7	5586.2	5621.1
57.5°	4836.0	4857.8	5087.5	5496.1	5975.2	6292.2	6385.2	6225.3	5931.6	5852.3	5872.7
60°	4386.0	4399.8	4644.8	5104.2	5762.9	6329.2	6493.5	6423.0	6174.4	6095.1	6122.8
62.5°	3584.1	3604.5	3897.4	4513.2	5314.3	6219.5	6598.2	6586.6	6400.5	6327.8	6352.5
65°	2450.0	2485.6	2809.8	3588.5	4623.0	5883.6	6693.5	6777.1	6600.4	6508.8	6541.5
67.5°	1479.4	1505.6	1740.4	2369.3	3537.6	5206.0	6595.3	6993.7	6741.4	6593.9	6620.8
68°	1322.4	1346.4	1542.7	2138.1	3272.2	5014.8	6505.9	7018.4	6756.7	6592.4	6616.4
70°	799.0	815.0	946.6	1321.7	2181.7	3978.1	5895.9	6998.1	6854.1	6612.8	6626.6
72.5°	520.5	525.6	547.4	678.3	1114.5	2224.6	4425.2	6521.2	7000.3	6731.3	6729.1
75°	432.6	429.7	431.8	447.1	549.6	975.6	2585.9	5151.5	6673.1	6544.4	6498.6
77.5°	365.7	363.5	362.8	363.5	367.9	471.1	1122.5	3209.0	5106.4	5789.1	5829.8
80°	295.9	293.0	302.4	298.1	285.0	293.0	470.4	1334.8	2407.1	2589.6	2426.7
82.5°	215.2	204.3	245.0	233.4	222.5	206.5	259.5	431.1	574.3	394.0	277.0
85°	165.8	154.1	186.1	178.8	152.7	105.4	154.1	210.8	232.6	133.0	104.7
87.5°	67.6	71.2	134.5	106.1	89.4	50.9	63.2	84.3	113.4	56.7	43.6
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)