

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: P317087

Luminaire Tested: **GAN-SA3C-730-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317087
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-SA3C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20102 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

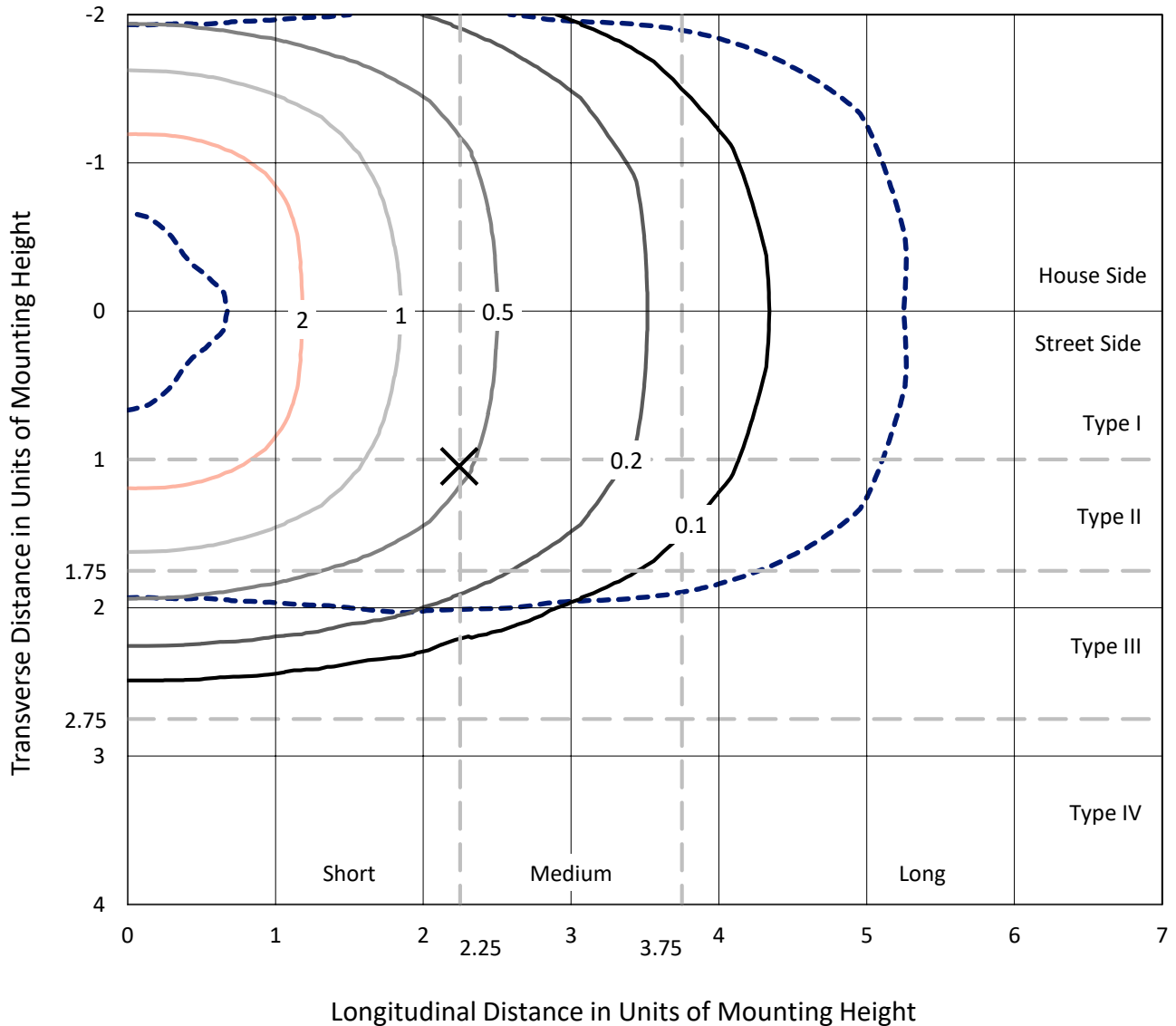
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

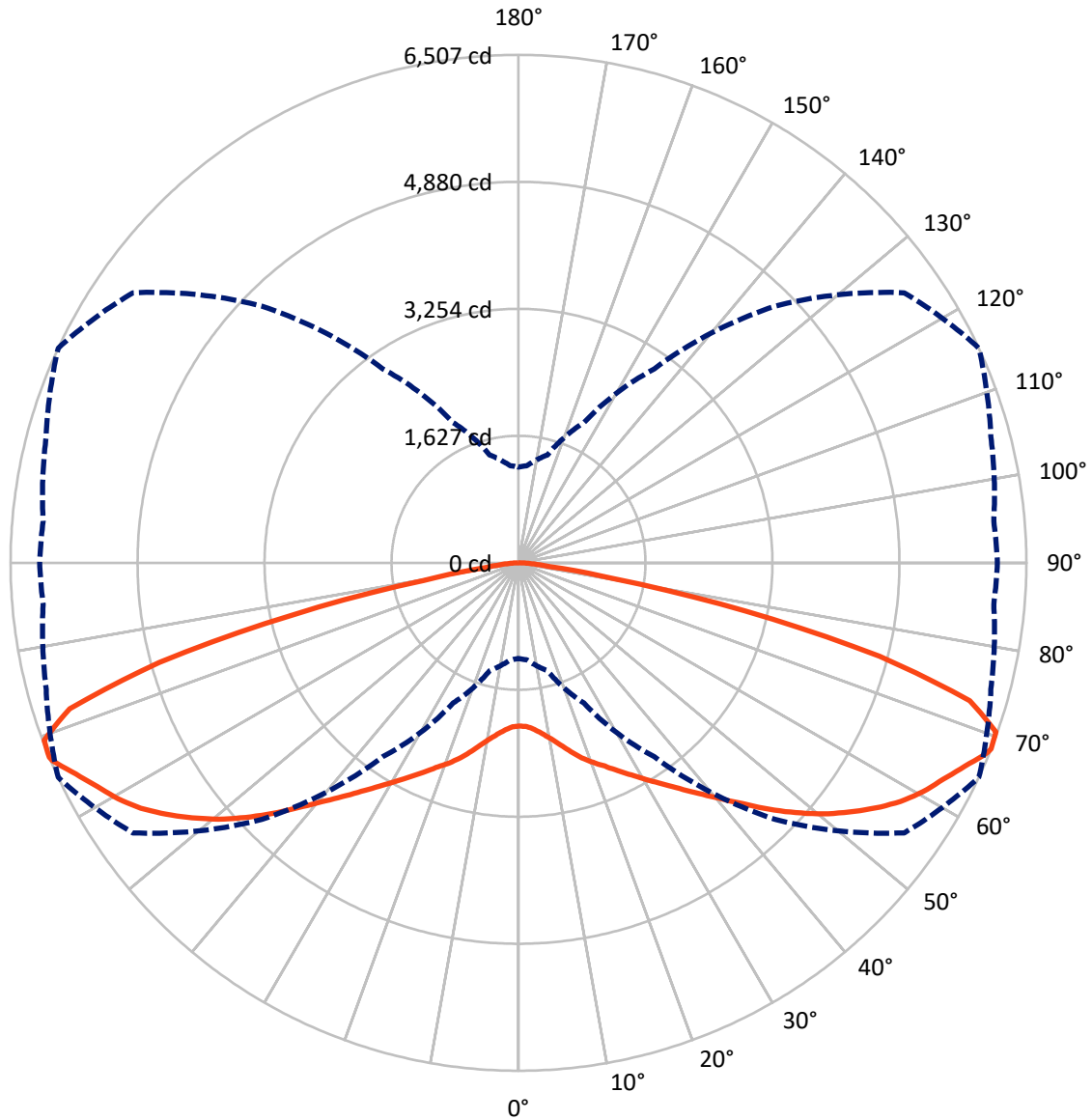
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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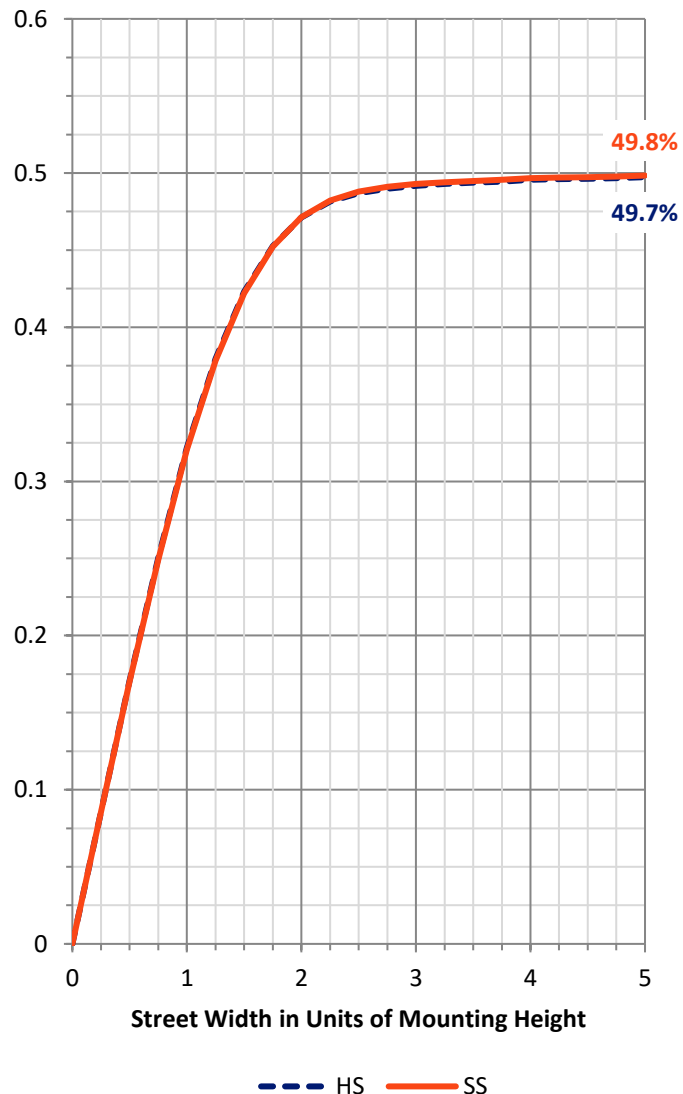
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10051.0	0.0	10051.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10051.0	0.0	10051.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20102.0	0.0	20102.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	1.0
10°-20°	685.2	3.4
20°-30°	1336.0	6.6
30°-40°	2244.4	11.2
40°-50°	3536.3	17.6
50°-60°	4729.3	23.5
60°-70°	4597.4	22.9
70°-80°	2513.2	12.5
80°-90°	255.6	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°	20102.0	100.0
0°-180°	20102.0	100.0

Coefficient of Utilization



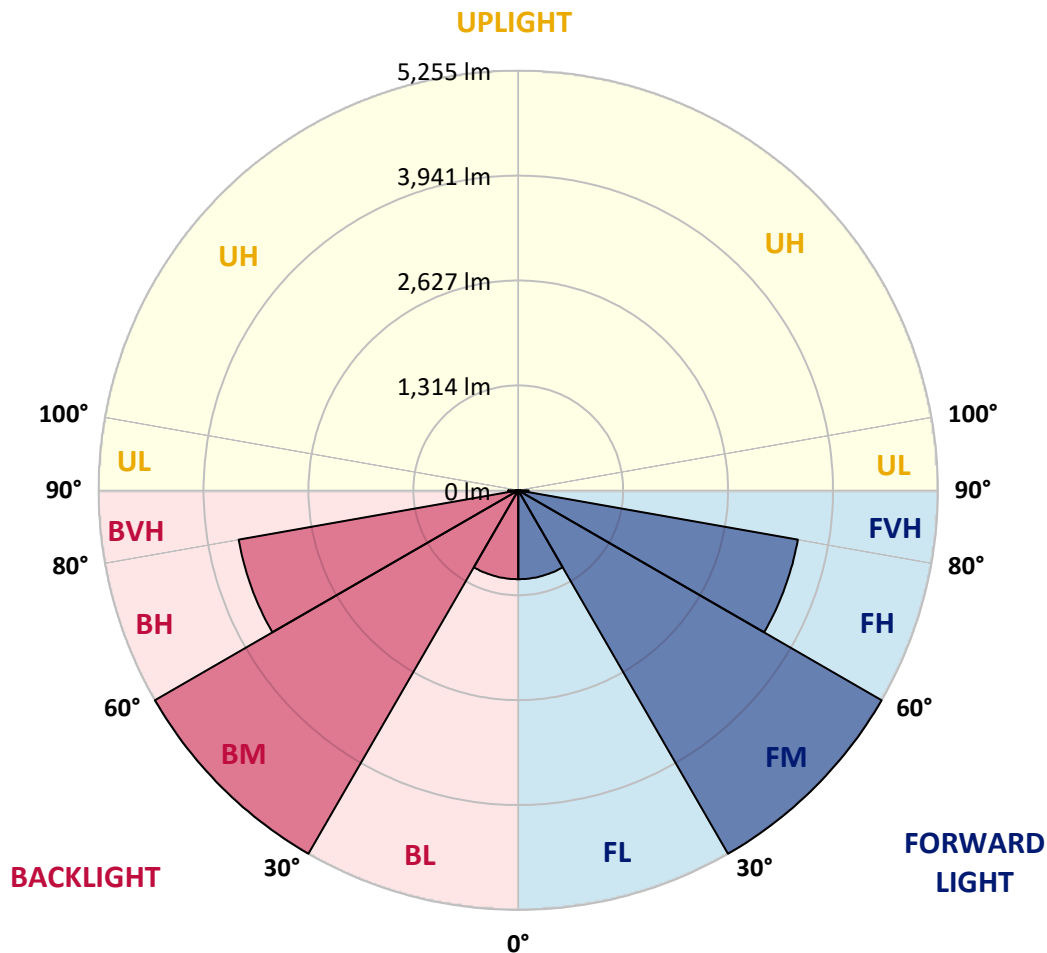
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1112.9	5.5			
FM (30°-60°)	5255.0	26.1			
FH (60°-80°)	3555.3	17.7			G2/5000
FVH (80°-90°)	127.8	0.6			G2/225
BL (0°-30°)	1112.9	5.5	B3/2500		
BM (30°-60°)	5255.0	26.1	B4/8500		
BH (60°-80°)	3555.3	17.7	B4/5000		G4/5000
BVH (80°-90°)	127.8	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°	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1	2090.1
2.5°	2075.3	2076.0	2079.4	2083.4	2086.8	2095.5	2097.5	2100.9	2102.3	2105.6	2105.6
5°	2057.1	2058.5	2066.5	2077.3	2089.5	2111.0	2126.5	2144.1	2152.8	2162.3	2161.6
7.5°	2055.1	2058.5	2069.9	2087.4	2107.7	2143.4	2175.7	2210.8	2234.4	2255.9	2254.6
10°	2076.0	2081.4	2097.5	2123.8	2154.2	2198.7	2246.5	2293.7	2334.8	2367.8	2369.2
12.5°	2107.7	2114.4	2140.0	2179.8	2225.6	2282.9	2339.5	2392.8	2449.4	2498.6	2502.6
15°	2149.4	2158.2	2196.6	2255.9	2326.0	2394.1	2454.8	2509.4	2574.8	2642.8	2649.6
17.5°	2211.5	2223.6	2274.1	2354.4	2446.7	2521.5	2584.9	2626.0	2680.6	2750.7	2763.5
20°	2305.8	2321.3	2385.4	2481.1	2593.6	2671.8	2720.3	2729.1	2756.1	2818.8	2833.6
22.5°	2428.5	2442.0	2513.4	2627.3	2753.4	2838.3	2863.9	2828.9	2826.2	2876.7	2890.9
25°	2565.3	2577.5	2660.4	2788.4	2923.9	3017.6	3016.9	2948.8	2901.7	2940.7	2955.6
27.5°	2719.0	2737.9	2817.4	2952.2	3097.1	3189.5	3184.1	3078.9	2989.3	2999.4	3012.2
30°	2895.6	2916.5	2994.0	3130.8	3275.7	3366.1	3359.3	3220.5	3085.7	3058.7	3068.1
32.5°	3114.6	3139.6	3213.1	3347.9	3475.9	3557.5	3537.9	3374.1	3201.6	3143.0	3151.7
35°	3378.2	3393.0	3470.5	3603.3	3707.1	3763.1	3721.9	3552.1	3348.5	3277.8	3277.8
37.5°	3645.1	3656.6	3743.5	3872.2	3972.7	4002.3	3922.1	3746.9	3540.6	3440.2	3442.2
40°	3901.2	3932.2	4030.0	4162.1	4261.2	4269.2	4162.7	3969.3	3754.3	3650.5	3662.6
42.5°	4168.8	4199.1	4315.7	4465.4	4553.0	4566.5	4441.8	4218.7	3995.6	3911.3	3924.8
45°	4407.4	4431.7	4566.5	4740.4	4849.6	4884.6	4737.0	4504.5	4256.4	4174.2	4177.6
47.5°	4573.9	4605.6	4753.9	4958.8	5117.8	5171.8	5026.8	4782.8	4513.2	4413.5	4422.2
50°	4724.9	4741.7	4892.0	5115.8	5318.0	5429.2	5305.2	5057.8	4772.7	4666.9	4676.3
52.5°	4809.1	4830.7	4976.3	5209.5	5448.8	5628.1	5552.6	5305.2	5023.5	4920.3	4931.8
55°	4750.5	4766.7	4941.2	5230.4	5529.7	5750.7	5762.2	5547.2	5269.5	5179.2	5211.5
57.5°	4483.6	4503.8	4716.8	5095.6	5539.8	5833.6	5919.9	5771.6	5499.3	5425.9	5444.7
60°	4066.4	4079.2	4306.3	4732.3	5343.0	5868.0	6020.3	5955.0	5724.4	5651.0	5676.6
62.5°	3322.9	3341.8	3613.4	4184.3	4927.1	5766.2	6117.4	6106.6	5934.1	5866.7	5889.6
65°	2271.4	2304.5	2605.1	3327.0	4286.1	5454.8	6205.7	6283.2	6119.4	6034.5	6064.8
67.5°	1371.6	1395.9	1613.6	2196.6	3279.8	4826.7	6114.7	6484.1	6250.2	6113.4	6138.3
68°	1226.0	1248.3	1430.3	1982.3	3033.8	4649.4	6031.8	6507.0	6264.3	6112.0	6134.3
70°	740.7	755.6	877.6	1225.4	2022.7	3688.2	5466.3	6488.1	6354.7	6130.9	6143.7
72.5°	482.6	487.3	507.5	628.9	1033.3	2062.5	4102.8	6046.0	6490.1	6240.7	6238.7
75°	401.0	398.3	400.4	414.5	509.6	904.5	2397.5	4776.1	6186.8	6067.5	6025.1
77.5°	339.0	337.0	336.3	337.0	341.1	436.8	1040.7	2975.1	4734.3	5367.2	5405.0
80°	274.3	271.6	280.4	276.3	264.2	271.6	436.1	1237.5	2231.7	2400.9	2249.9
82.5°	199.5	189.4	227.1	216.4	206.3	191.4	240.6	399.7	532.5	365.3	256.8
85°	153.7	142.9	172.5	165.8	141.5	97.7	142.9	195.5	215.7	123.3	97.1
87.5°	62.7	66.1	124.7	98.4	82.9	47.2	58.6	78.2	105.1	52.6	40.4
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)