

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: P316837

Luminaire Tested: **GAN-SA3B-750-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-750-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17996 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

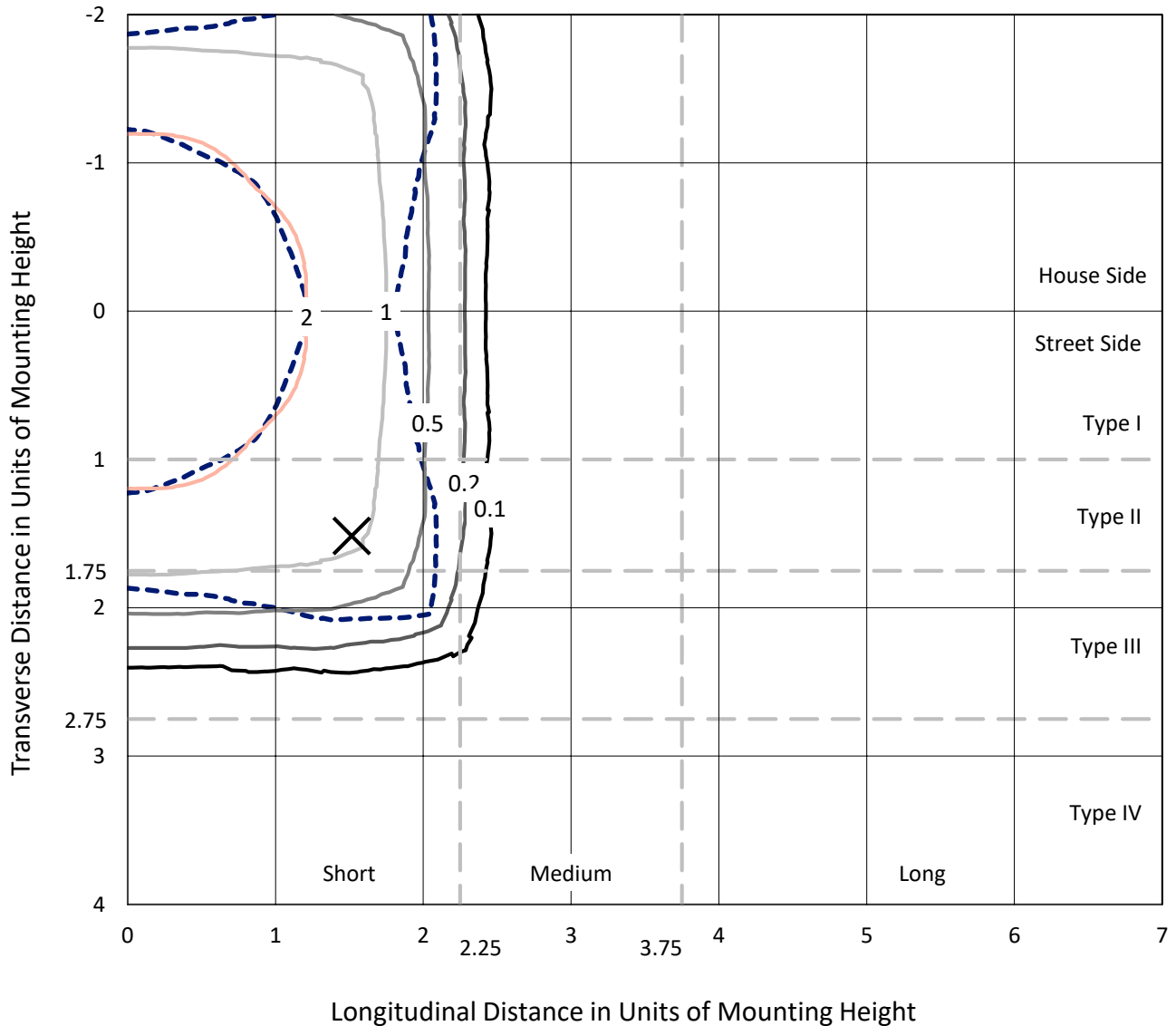
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

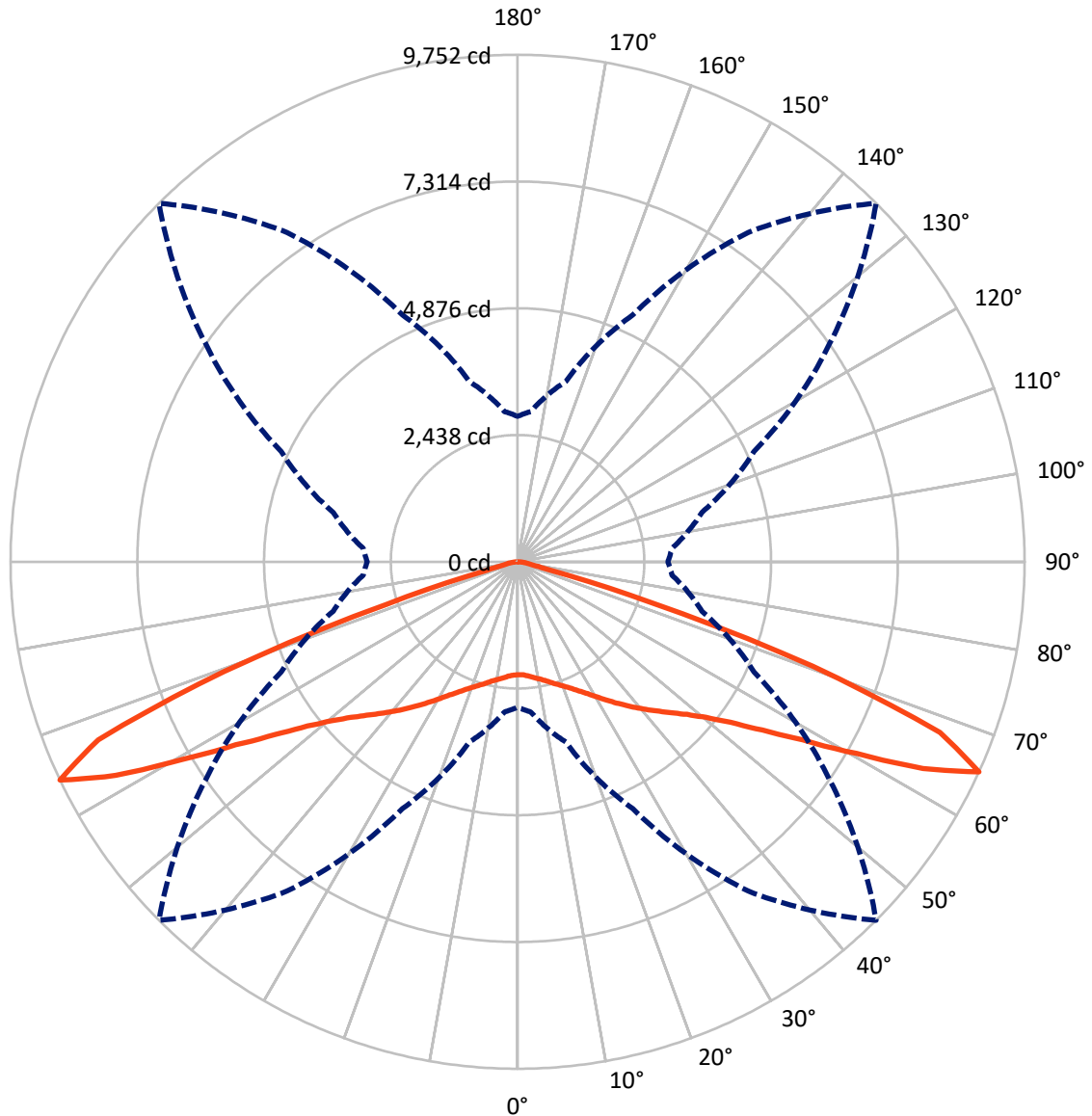
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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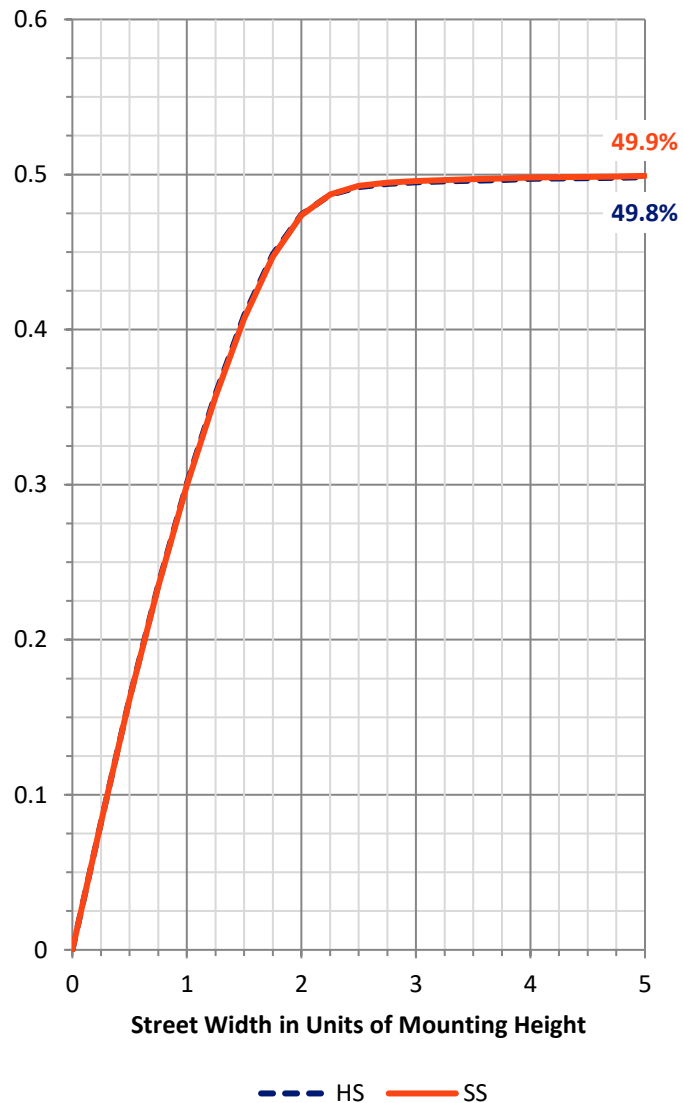
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8998.0	0.0	8998.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8998.0	0.0	8998.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17996.0	0.0	17996.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	1.2
10°-20°	685.4	3.8
20°-30°	1285.9	7.1
30°-40°	2126.6	11.8
40°-50°	3293.8	18.3
50°-60°	5051.7	28.1
60°-70°	4713.8	26.2
70°-80°	548.6	3.0
80°-90°	77.1	0.4
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°	17996.0	100.0
0°-180°	17996.0	100.0

Coefficient of Utilization



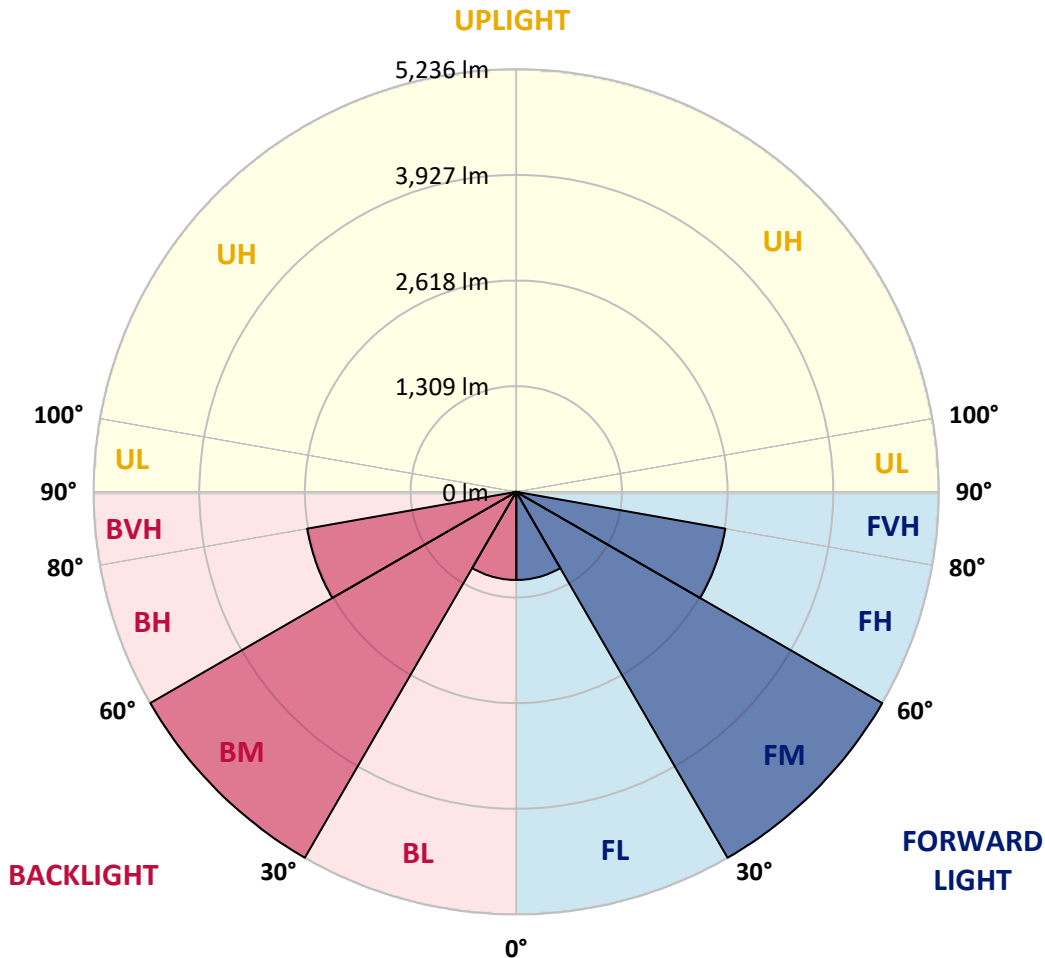
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1092.2	6.1			
FM (30°-60°)	5236.0	29.1			
FH (60°-80°)	2631.2	14.6			G2/5000
FVH (80°-90°)	38.5	0.2			G1/100
BL (0°-30°)	1092.2	6.1	B3/2500		
BM (30°-60°)	5236.0	29.1	B4/8500		
BH (60°-80°)	2631.2	14.6	B4/5000		G2/5000
BVH (80°-90°)	38.5	0.2			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°	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2	2173.2
2.5°	2180.4	2179.2	2180.4	2181.0	2177.4	2179.2	2178.6	2181.6	2182.8	2181.6	2181.6
5°	2205.5	2203.7	2206.1	2209.1	2204.3	2205.5	2203.7	2207.3	2208.5	2206.1	2207.9
7.5°	2240.2	2240.7	2243.1	2248.5	2245.5	2247.9	2244.3	2244.9	2244.3	2240.7	2241.3
10°	2277.8	2278.4	2282.6	2289.7	2290.9	2290.9	2288.5	2286.7	2284.4	2282.0	2282.6
12.5°	2323.2	2326.2	2329.2	2338.1	2338.1	2342.9	2341.7	2336.9	2332.7	2329.2	2329.2
15°	2384.7	2384.1	2387.7	2396.7	2400.8	2408.6	2408.6	2402.0	2396.7	2393.1	2391.9
17.5°	2449.2	2451.0	2453.4	2464.2	2470.7	2479.7	2480.9	2475.5	2471.9	2467.2	2464.2
20°	2524.5	2527.5	2537.0	2541.2	2547.2	2555.6	2558.6	2557.4	2553.8	2551.4	2552.0
22.5°	2612.3	2620.1	2626.1	2632.0	2639.2	2645.2	2648.2	2652.3	2648.8	2647.0	2645.8
25°	2718.6	2724.0	2736.0	2746.7	2751.5	2753.3	2756.9	2762.9	2762.3	2758.1	2758.1
27.5°	2839.3	2849.5	2864.4	2879.9	2879.9	2874.0	2885.9	2896.1	2892.5	2887.1	2879.9
30°	2985.7	2995.2	3012.6	3034.1	3023.3	3019.1	3035.3	3053.8	3048.4	3039.4	3038.2
32.5°	3143.4	3152.3	3175.0	3198.3	3184.6	3178.6	3195.9	3222.8	3213.3	3195.4	3184.6
35°	3314.2	3323.2	3355.4	3383.5	3360.2	3350.1	3364.4	3393.7	3377.0	3343.5	3335.1
37.5°	3500.0	3504.8	3546.6	3575.3	3559.2	3532.3	3550.2	3571.7	3557.4	3516.7	3500.6
40°	3693.0	3710.3	3758.7	3792.1	3764.1	3721.6	3751.5	3781.4	3759.9	3707.9	3680.4
42.5°	3918.2	3931.3	3995.8	4025.7	3980.3	3920.6	3961.2	4001.8	3980.3	3930.1	3906.2
45°	4152.3	4172.7	4249.7	4279.6	4213.9	4138.0	4187.6	4258.7	4256.9	4184.6	4159.5
47.5°	4407.4	4427.7	4519.7	4559.2	4488.1	4386.5	4456.4	4556.8	4549.6	4470.1	4449.8
50°	4701.9	4723.4	4838.1	4887.7	4821.4	4703.1	4808.3	4896.7	4883.5	4785.6	4787.4
52.5°	5071.7	5070.5	5213.3	5299.3	5231.2	5126.7	5223.4	5309.5	5255.1	5119.5	5115.3
55°	5395.5	5415.2	5592.0	5755.1	5750.9	5710.9	5749.7	5753.3	5598.0	5417.6	5395.5
57.5°	5608.1	5645.8	5894.9	6190.0	6411.0	6464.2	6388.9	6160.7	5796.9	5508.4	5473.1
60°	5477.3	5534.7	5925.9	6527.5	7178.6	7491.1	7066.3	6358.4	5642.2	5240.2	5192.4
62.5°	4594.4	4691.2	5264.1	6364.4	7839.3	8752.7	7557.4	6041.2	5026.9	4473.1	4391.3
65°	2798.1	2900.2	3590.8	5238.4	7732.4	9751.5	7333.4	5014.4	3669.1	2980.3	2891.9
67.5°	932.5	962.4	1369.2	2895.5	6077.1	8761.7	6087.2	3001.8	1596.8	1058.5	1027.5
70°	365.0	368.0	434.3	839.3	2869.8	6017.9	3166.7	854.2	454.0	359.0	366.8
72.5°	268.2	269.4	287.9	350.7	747.9	2651.1	774.8	352.5	280.2	251.5	251.5
75°	215.7	215.7	228.8	255.7	335.1	608.1	339.9	252.7	219.2	200.7	198.3
77.5°	170.3	173.8	184.0	201.3	227.0	292.7	235.4	200.1	176.8	159.5	155.9
80°	126.6	130.2	147.0	155.3	163.1	203.1	173.8	156.5	139.8	119.5	115.9
82.5°	83.0	86.6	107.5	112.3	110.5	132.6	117.1	115.3	102.7	77.1	73.5
85°	54.4	55.6	71.7	74.7	68.7	60.3	74.7	78.9	71.7	50.2	48.4
87.5°	25.7	25.7	36.4	34.1	31.1	25.1	34.1	40.0	40.6	24.5	23.9
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)