

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: P317157

Luminaire Tested: **GAN-SA3B-750-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317157
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-SA3B-750-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17834 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

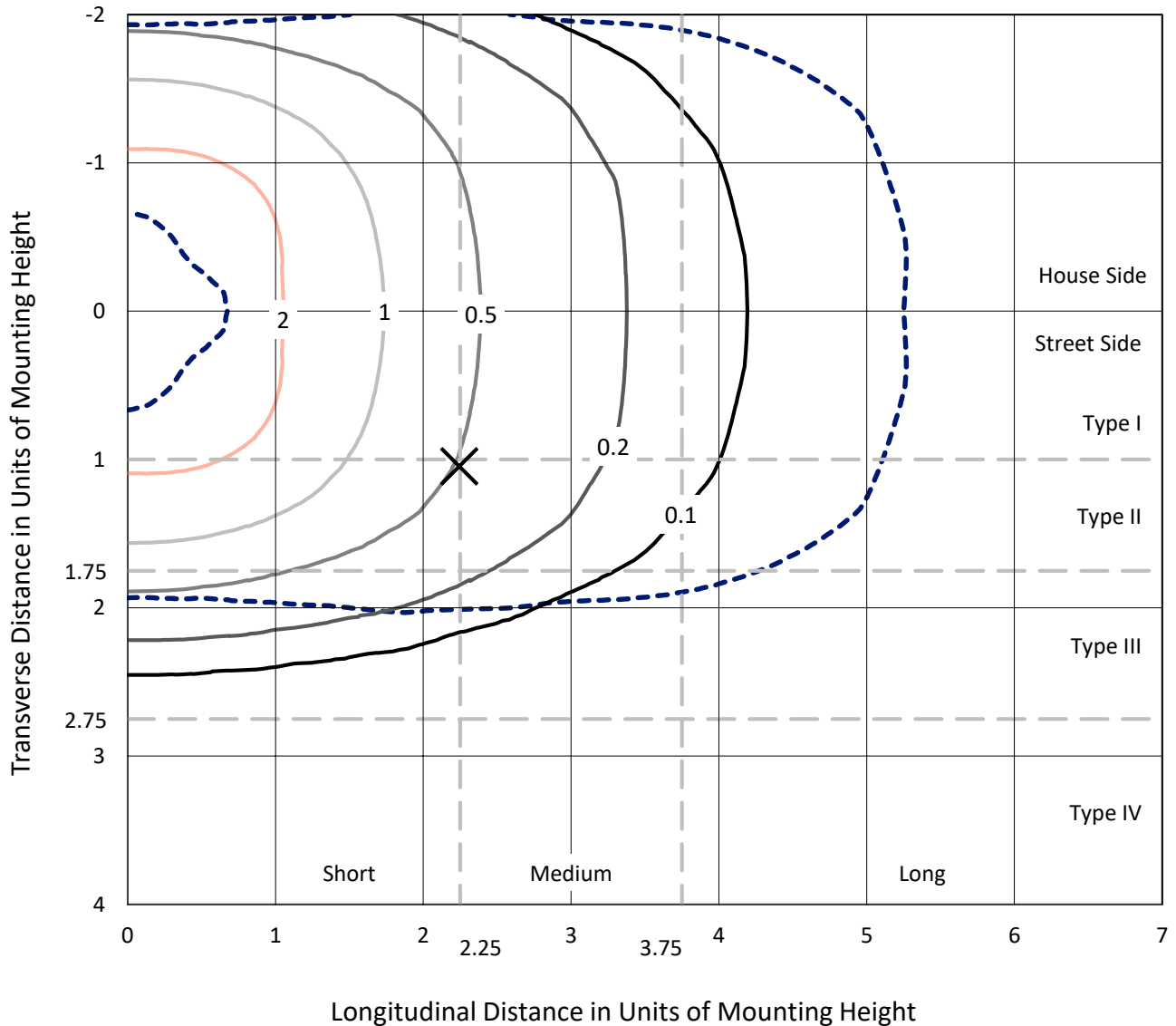
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

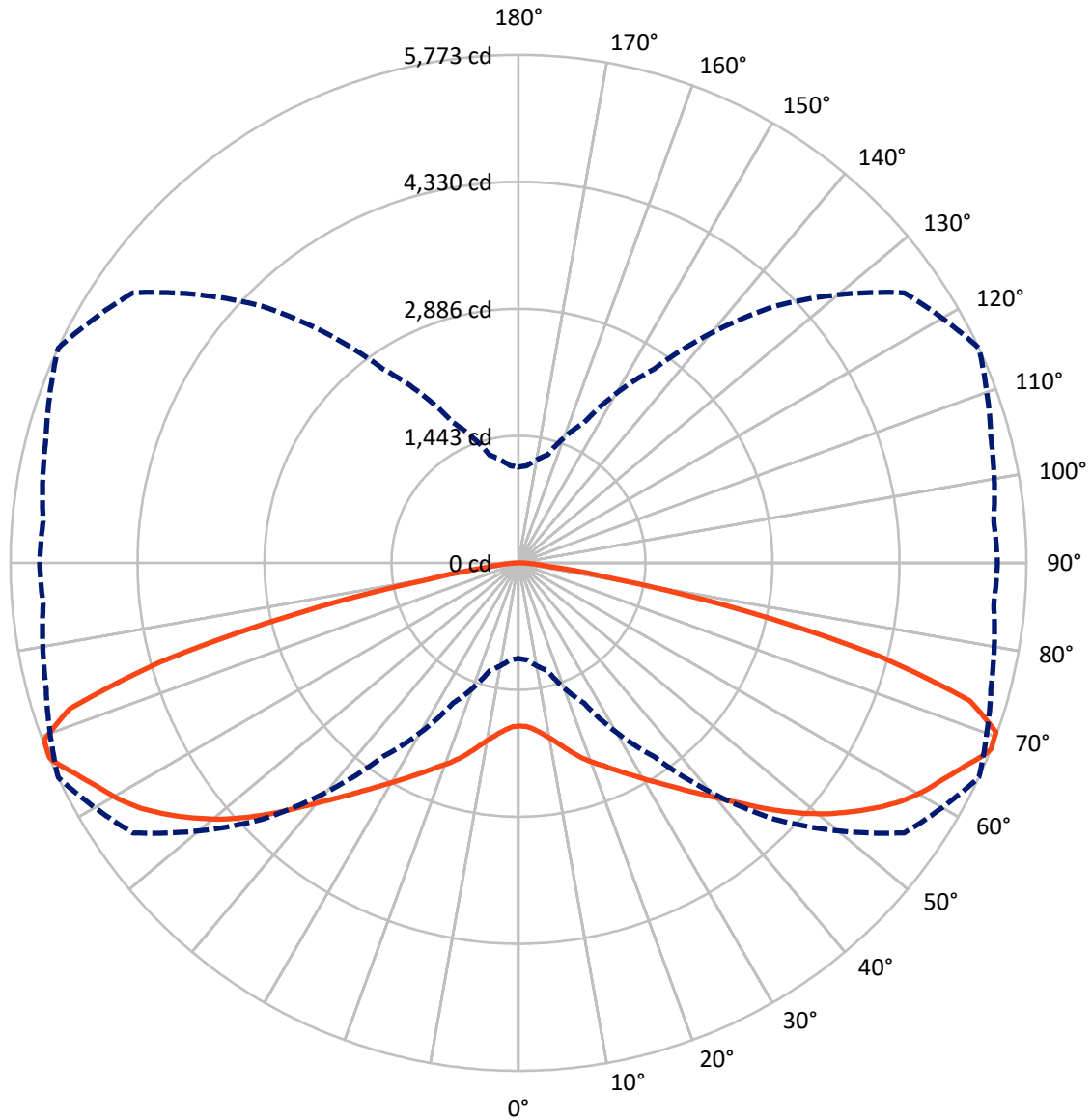
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	8917.0	0.0	8917.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8917.0	0.0	8917.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17834.0	0.0	17834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	1.0
10°-20°	607.9	3.4
20°-30°	1185.3	6.6
30°-40°	1991.2	11.2
40°-50°	3137.4	17.6
50°-60°	4195.7	23.5
60°-70°	4078.7	22.9
70°-80°	2229.6	12.5
80°-90°	226.8	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°	17834.0	100.0
0°-180°	17834.0	100.0

Coefficient of Utilization

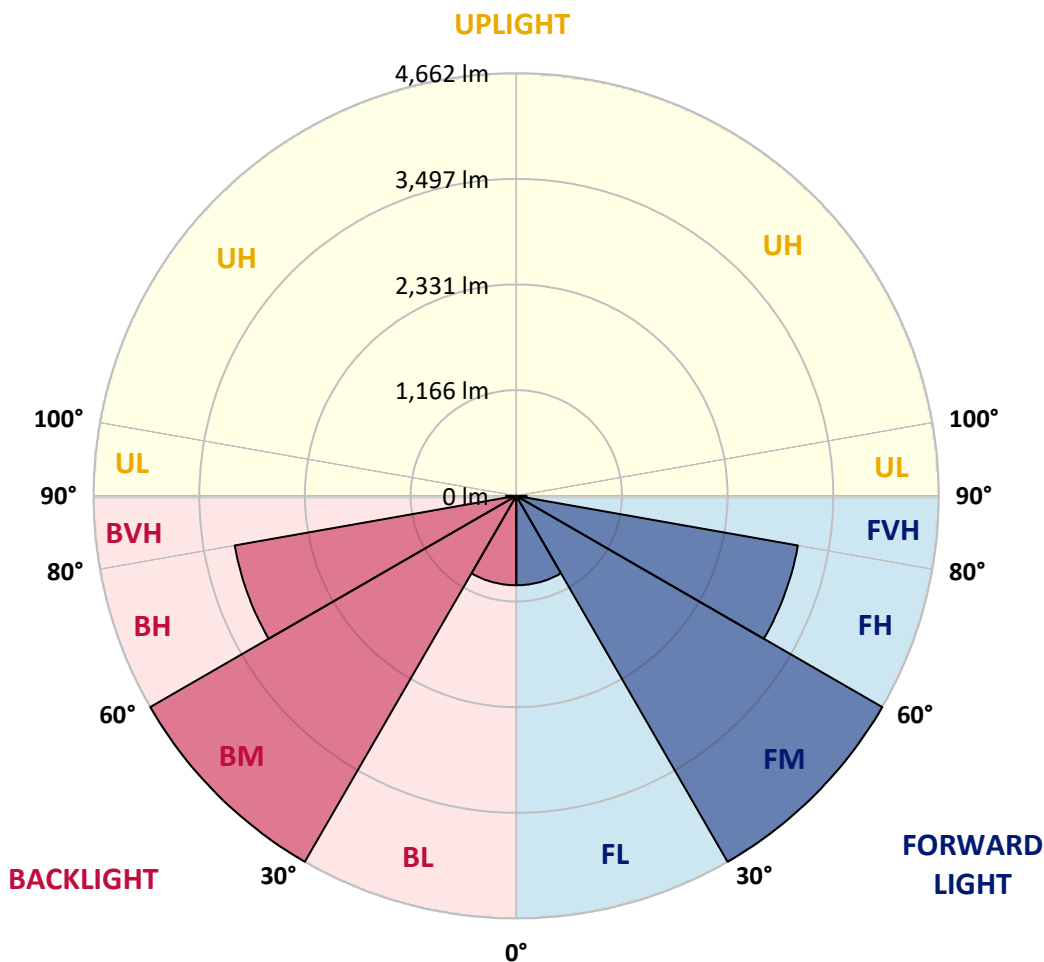


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	987.4	5.5			
FM	(30°-60°)	4662.1	26.1			
FH	(60°-80°)	3154.2	17.7			G2/5000
FVH	(80°-90°)	113.4	0.6			G2/225
BL	(0°-30°)	987.4	5.5	B2/1000		
BM	(30°-60°)	4662.1	26.1	B3/5000		
BH	(60°-80°)	3154.2	17.7	B4/5000		G4/5000
BVH	(80°-90°)	113.4	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°	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3	1854.3
2.5°	1841.2	1841.8	1844.7	1848.3	1851.3	1859.1	1860.9	1863.9	1865.1	1868.1	1868.1
5°	1825.0	1826.2	1833.4	1843.0	1853.7	1872.9	1886.6	1902.2	1909.9	1918.3	1917.7
7.5°	1823.2	1826.2	1836.4	1851.9	1869.9	1901.6	1930.3	1961.4	1982.3	2001.4	2000.2
10°	1841.8	1846.5	1860.9	1884.2	1911.1	1950.6	1993.0	2034.9	2071.4	2100.7	2101.9
12.5°	1869.9	1875.8	1898.6	1933.8	1974.5	2025.3	2075.6	2122.8	2173.0	2216.7	2220.3
15°	1906.9	1914.7	1948.8	2001.4	2063.6	2124.0	2177.8	2226.3	2284.3	2344.7	2350.6
17.5°	1962.0	1972.7	2017.6	2088.7	2170.6	2237.0	2293.2	2329.7	2378.1	2440.3	2451.7
20°	2045.7	2059.4	2116.2	2201.1	2301.0	2370.4	2413.4	2421.2	2445.1	2500.7	2513.9
22.5°	2154.5	2166.5	2229.8	2330.9	2442.7	2518.1	2540.8	2509.7	2507.3	2552.2	2564.7
25°	2275.9	2286.7	2360.2	2473.8	2594.0	2677.1	2676.5	2616.1	2574.3	2609.0	2622.1
27.5°	2412.2	2429.0	2499.5	2619.1	2747.7	2829.6	2824.8	2731.5	2652.0	2661.0	2672.3
30°	2568.9	2587.4	2656.2	2777.6	2906.2	2986.3	2980.3	2857.1	2737.5	2713.6	2722.0
32.5°	2763.2	2785.4	2850.5	2970.1	3083.8	3156.1	3138.8	2993.5	2840.4	2788.4	2796.1
35°	2997.0	3010.2	3079.0	3196.8	3288.9	3338.5	3302.0	3151.3	2970.7	2907.9	2907.9
37.5°	3233.8	3244.0	3321.1	3435.4	3524.5	3550.8	3479.6	3324.1	3141.2	3052.1	3053.9
40°	3461.1	3488.6	3575.3	3692.5	3780.4	3787.6	3693.1	3521.5	3330.7	3238.6	3249.4
42.5°	3698.5	3725.4	3828.8	3961.6	4039.3	4051.3	3940.6	3742.7	3544.8	3470.0	3482.0
45°	3910.1	3931.7	4051.3	4205.5	4302.4	4333.5	4202.6	3996.3	3776.2	3703.3	3706.2
47.5°	4057.8	4086.0	4217.5	4399.3	4540.4	4588.3	4459.7	4243.2	4004.0	3915.5	3923.3
50°	4191.8	4206.7	4340.1	4538.6	4718.0	4816.7	4706.7	4487.2	4234.3	4140.4	4148.7
52.5°	4266.5	4285.7	4414.8	4621.7	4834.0	4993.1	4926.1	4706.7	4456.7	4365.2	4375.4
55°	4214.5	4228.9	4383.7	4640.3	4905.8	5101.9	5112.1	4921.3	4675.0	4594.8	4623.5
57.5°	3977.7	3995.7	4184.6	4520.7	4914.7	5175.5	5252.0	5120.4	4878.9	4813.7	4830.4
60°	3607.6	3618.9	3820.5	4198.4	4740.1	5206.0	5341.1	5283.1	5078.6	5013.4	5036.1
62.5°	2948.0	2964.8	3205.7	3712.2	4371.2	5115.7	5427.2	5417.6	5264.6	5204.8	5225.1
65°	2015.2	2044.5	2311.2	2951.6	3802.5	4839.4	5505.5	5574.3	5429.0	5353.7	5380.6
67.5°	1216.9	1238.4	1431.5	1948.8	2909.7	4282.1	5424.8	5752.5	5545.0	5423.6	5445.7
68°	1087.7	1107.4	1268.9	1758.6	2691.5	4124.8	5351.3	5772.8	5557.6	5422.4	5442.2
70°	657.2	670.3	778.6	1087.1	1794.5	3272.1	4849.6	5756.1	5637.7	5439.2	5450.5
72.5°	428.1	432.3	450.3	557.9	916.7	1829.8	3639.9	5363.8	5757.9	5536.6	5534.8
75°	355.8	353.4	355.2	367.8	452.1	802.5	2127.0	4237.2	5488.8	5383.0	5345.3
77.5°	300.8	299.0	298.4	299.0	302.6	387.5	923.3	2639.5	4200.2	4761.7	4795.2
80°	243.4	241.0	248.8	245.2	234.4	241.0	386.9	1097.9	1979.9	2130.0	1996.0
82.5°	177.0	168.0	201.5	191.9	183.0	169.8	213.5	354.6	472.4	324.1	227.8
85°	136.3	126.8	153.1	147.1	125.6	86.7	126.8	173.4	191.4	109.4	86.1
87.5°	55.6	58.6	110.6	87.3	73.6	41.9	52.0	69.4	93.3	46.6	35.9
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)